



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

Het Blad de Industriële Eigendom verschijnt op de derde werkdag van een week. Indien Octrooicentrum Nederland op deze dag is gesloten, wordt de verschijningsdag van het blad verschoven naar de eerstvolgende werkdag, waarop Octrooicentrum Nederland is geopend. Het blad verschijnt alleen in elektronische vorm. Elk nummer van het blad bestaat uit 14 rubrieken.

Bijblad

Verschijnt vier keer per jaar (januari, april, juli, oktober) in elektronische vorm via www.rvo.nl/octrooien. Het Bijblad bevat officiële mededelingen en andere wetenswaardigheden waarmee Octrooicentrum Nederland en zijn klanten te maken hebben.

Abonnementsprijzen per (kalender)jaar:

Hoofdblad en Bijblad: verschijnt gratis in elektronische vorm op de website van Octrooicentrum Nederland.

Bezoekadres: **Octrooicentrum Nederland**

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadres

Postbus 10366

2501 HJ Den Haag

Telefoon: 088-0426656

Bankrekeningnummer:

Voor taksen en depotrekeningen:

ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

Introduction

Patent Bulletin

The Patent Bulletin appears on the 3rd working day of each week. If the Netherlands Patent Office is closed to the public on the above mentioned day, the date of issue of the Bulletin is the first working day thereafter, on which the Office is open. Each issue of the Bulletin consists of 14 headings.

Official Journal

Appears four times a year (January, April, July, October) in electronic form on the www.rvo.nl/octrooien. The Official Journal contains announcements and other things worth knowing for the benefit of the Netherlands Patent Office and its customers.

Subscription rates per calendar year:

Patent Bulletin and Official Journal: free of charge in electronic form on the website of the Netherlands Patent Office.

Visiting address: **Netherlands Patent Office**

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadress

Post Office Box: 10366

2501 HJ Den Haag

Telephone: +31(0)88 0426656

Account:

Fees, deposit accounts:

ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

Inhoudsopgave	Blz. Content	Page
Rubriek NP1 Bevat gegevens betreffende octrooiaanvragen die zijn ingeschreven op grond van de Octrooiwet 1995.	7 Heading NP1 Contains data concerning Netherlands patent applications which have been entered in the patent register under the Patents Act 1995.	7
Rubriek NP2 Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	11 Heading NP2 Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	11
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	15 Heading NP3 Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	15
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	16 Heading EP1 Contains data concerning translations of the conclusions of European patent applications.	16
Rubriek EP2 Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	17 Heading EP2 Contains data concerning European patents granted for The Netherlands.	17
Rubriek EP3 Bevat gegevens betreffende voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend conform artikel 52 lid 1 of 6 van de Octrooiwet 1995.	248 Heading EP3 Contains data concerning European patents granted for The Netherlands in which a translation was filed confirm Article 52 par. 1 or 6 of the Patents Act 1995.	248
Rubriek EP4 Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	287 Heading EP4 Contains data concerning European patents granted in amended form for the Netherlands.	287
Rubriek EP5 Bevat gegevens betreffende voor Nederland verleende gewijzigde	288 Heading EP5 Contains data concerning European patents granted in amended form for	288

Europese octrooien waarvoor een gewijzigde vertaling is ingediend.	The Netherlands in which an amended translation was filed.	
Rubriek SPC Bevat gegevens betreffende ingeschreven en verleende certificaten	289Heading SPC Contains data concerning applications for- or granted Supplementary Protection Certificates.	289
Rubriek VB1 Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.	290Heading VB1 Contains data concerning requests and notices of opposition under the General administrative law.	290
Rubriek VB2 Bevat gegevens betreffende rechten waarin een beslissing is genomen of waarvoor een nieuwheidsrapport is uitgegaan op een verzoek- of bezwaarschrift conform de Octrooiwet 1995.	292Heading VB2 Contains data concerning requests and notices of opposition under the General administrative law in respect of which a decision has been taken or in respect for which a report has been made.	292
Rubriek MED Bevat gegevens betreffende overige mededelingen.	293Heading MED Contains data concerning other communications.	293
Rubriek VRV Bevat gegevens betreffende verval of nietigverklaring.	294Heading VRV Contains data concerning lapse or annulment.	294
Rubriek VRB Bevat gegevens betreffende verbeteringen op eerdere publicaties.	357Heading VRB Contains data concerning corrections on earlier publications.	357
Rubriek CO Bevat gegevens betreffende wijzigingen in het octrooiregister.	358Heading CO Contains data concerning changes in the Netherland patent register.	358
Rubriek TVH Bevat gegevens betreffende topografieën van halfgeleiderproducten.	372Heading TVH Contains data concerning depots of original topographies of semi-conductor products.	372

Overzicht van Inid codes

INID CODES

Inid codes worden gebruikt op de voorpagina van octrooigeschriften en in octroobulletins. Ze dienen om de verschillende bibliografische gegevens te kunnen begrijpen zonder kennis te hebben van de taal. INID is een acronym van Internationally agreed Numbers for Identification of Data. De definities van INID codes wordt gegeven in de WIPO standaard ST. 9.

- (11) Octrooinummer
- (13) Soort document volgens WIPO standaard 16
- (15) Correctie informatie
- (21) Octrooiaanvraagnummer
- (22) Datum van indiening
- (23) Datum tentoonstelling
- (25) Taal van indiening
- (26) Taal waarin de aanvraag is gepubliceerd
- (30) Voorrangsgegevens
- (31) Nummer voorrang
- (32) Datum voorrang
- (33) Land van herkomst voorrang
- (34) Oorspronkelijk land van indiening
- (40) Datum van inschrijving
- (41) Datum van inschrijving van een octrooiaanvraag
- (42) Datum van inschrijving van een onderzochte aanvraag (openbaarmaking)
- (43) Datum waarop de aanvraag ter inzage is gelegd

INID CODES

"INID" Codes are used on the front pages of patent documents and in official gazettes to identify various bibliographic data items without knowledge of the language used and the industrial property laws applied. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". The INID Codes are usually given in parenthesis adjacent to the appropriate bibliographic data item. The definitions of the INID Codes are given in WIPO Standard ST. 9 (as of November 1998) and are listed below:

- (11) Patent number
- (13) Kind of document code according to WIPO standard ST.16
- (15) Patent correction information
- (21) Application number
- (22) Date(s) of filing application(s)
- (23) Date of exhibition
- (25) Language in which the published application was originally filed
- (26) Language in which the application is published
- (30) Priority Data
- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filling of priority application(s)
- (33) WIPO Standard ST.3 Code indentifying the national patent office allotting the priority application number or the organization allotting the regional priority application number: for international applications filed under the PCT, the code "WO" is used.
- (34) For priority fillings under the regional or international arrangements, the WIPO Standard ST.3 Code indentifying at least one country party to the Paris Union for which the regional or international application was made.
- (40) Date(s) of making available to the public
- (41) Date of making available to the public by viewing, or copying on request an unexamined patent document, on which no grant has taken place on or before the said date.
- (42) Date of making available to the public by viewing, or copying on request an examined patent document, on which no grant has taken place on or before the said date.
- (43) Date of publication by printing or similar process of anexamined document on which no grant has taken place on or before said date

(44) Datum van openbaarmaking	(44) Date of publication by printing or similar process of an examined document on which no grant has taken place on or before said date
(45) Datum van kracht worden van een Europees octrooi in Nederland	(45) Date of publication by printing or similar process of a document on which no grant has taken place on or before said date
(46) Inschrijvingsdatum conclusies	(46) Date of publication by printing or similar process of the claim(s) only of a document
(47) Verleningsdatum octrooi	(47) Date from which the patent takes effect
(48) Datum waarop een verbetering van een octrooi is uitgegeven	(48) Date of issuance of a corrected patent document
(51) Internationale Octrooi classificatie	(51) International Patent Classification
(54) Korte aanduiding	(54) Title of the invention
(62) Nummer moeder aanvraag	(62) Number and, if possible, filing date of the earlier application from which the present document has been divided out
(68) Nummer basis octrooi	(68) Number of the basic patent
(71) Naam aanvrager(s)	(71) Name(s) of the applicant(s)
(72) Naam uitvinder(s)	(72) Name(s) of the inventor(s) if known to be such
(73) Naam octrooihouder(s)	(73) Name(s) of grantee(s)
(74) Naam gemachtigde	(74) Name(s) of the attorney(s) or agent(s)
(75) Naam van uitvinders die tevens aanvrager zijn	(75) Name(s) of inventor(s) who is (are) also application(s)
(81) Aangewezen landen volgens de PCT	(81) Designated States(s) according to the PCT
(83) Informatie over micro organismen	(83) Information concerning the deposit of microorganisms
(84) Aangewezen landen bij regionale octrooiën	(84) Designated Contracting States under regional patent conventions
(86) Nummer van omgezette aanvraag	(86) Application number of a PCT-application or number of European patent which is converted into a national application
(87) Datum en nummer van een PCT aanvraag	(87) Publication date and number of a PCT application
(92) Certificaten: nummer en datum van de eerste nationale vergunning voor een geneesmiddel	(92) For an SPC, number and date of the first national authorization to place the product on the market as a medicinal product
(93) Datum en nummer van de eerste EU vergunning voor een geneesmiddel	(93) For an SPC, number and date and where applicable, country of origin, of the first authorization to place the product on the market as a medicinal product within a regional economic community
(94) Expiratiedatum voor een topografie	(94) Calculated date of expiry of the topography
(95) Certificaten: naam van het product	(95) Name of the product protected by the basic patent and in respect of which the SPC has been applied for or granted

Rubrieken/Headings

NP1

Nederlandse octrooiaanvragen die zijn ingeschreven op grond van de Octrooiwet 1995. Contains data concerning Netherlands patent applications which have been entered in the patent register under the Patents Act 1995.

(51) A01G 5/00 B07C 5/00 B65G 25/02 B65G 49/05	(71) Meyn Food Processing Technology B.V. (74) mr. ir. J. van Breda c.s. (72) Eric Adriaan van Hillo (41) 02.10.2020	(54) METHOD FOR DEODORIZATION OF SARGASSUM FUSIFORME (71) Wenzhou University (74) M. Schmid (72) Hailong Yang Huabin Zhou Xiangting Wu Changwu Liu
(21) 2022824 (22) 27.03.2019 (54) Systeem voor transport van snijbloemen (71) 4More Technology BV (74) ir. A. Ferguson (72) Wouter Vreugdenhil Cornelis Bukman (41) 02.10.2020	(51) A23G 1/00 A23G 1/22 B65D 85/60 (21) 1043206 (22) 25.03.2019 (54) Chocoladeproduct, vervaardigd met behulp van een eenmalig te gebruiken gietvorm die deel uitmaakt van het chocoladeproduct (71) InvesToros B.V. (72) Etienne Herman Walter Blondeel (41) 02.10.2020	(51) A47C 27/14 (21) 2022819 (22) 27.03.2019 (54) Adaptable mattress (71) Maxtras B.V. (74) mr. ir. J. van Breda c.s. (72) Willem Leonard Frits Treffers
(51) A01G 5/00 B65G 17/34 B65G 25/02 (21) 2022825 (22) 27.03.2019 (54) Transporthouder voor een snijbloem (71) 4More Technology BV (74) ir. A. Ferguson (72) Wouter Vreugdenhil Cornelis Bukman (41) 02.10.2020	(51) A23J 3/34 (21) 2026344 (22) 26.08.2020 (54) METHOD FOR EXTRACTING TYPE-I COLLAGEN THROUGH HYDROCHLORIC ACID-PEPSIN COMBINATION (71) Institute of Food Science and Technology Chinese Academy of Agricultural Sciences Shandong Haiyu Biotechnology Co., Ltd. (74) dr. J. van Straaten (72) Chunhui Zhang Xia Li Feng Huang Yujie Guo Zhiqiang Zhang	(51) A47J 19/02 (21) 2022810 (22) 26.03.2019 (54) Device for extracting juice and pulp from fruit (71) Bravilor Bonamat BV (74) mr. ir. J. van Breda c.s. (72) Mathias Anthonius Franciscus Rutten Antonius Johannes Spijker (41) 02.10.2020
(51) A01J 5/00 A01J 7/00 A01J 25/00 (21) 2022833 (22) 28.03.2019 (54) Werkwijze voor het melken van melkdieren en het produceren van kaas uit de gemolken melk alsmede melkmachine voor het melken van melkdieren met daaraan gekoppeld een productielijn voor het produceren van kaas (71) Lely Patent N.V. (74) ir. M.J.F.M. Corten (72) Paulus Jacobus Maria van Adrichem Karel van den Berg Arie Huyzer (41) 02.10.2020	(51) A23L 3/44 A23L 7/104 (21) 2025164 (22) 18.03.2020 (54) HOMOGENIZATION METHOD FOR PRODUCING FERMENTED GLUTINOUS RICE-FLAVORED FREEZE-DRIED INSTANT FOOD (71) Northwest Agriculture and Forestry University (74) dr. T. Wittop Koning PhD (72) Min Wang Junwei Cao Zudong Wang Yuhui Dong Jiao Wang Fuying Wang (31) 201910231585.0 (32) 26.03.2019 (33) China	(51) A61F 7/00 (21) 2022837 (22) 28.03.2019 (54) SYSTEEM EN INRICHTING VOOR HET KOELEN EN/OF VERWARMEN VAN ALTHANS EEN DEEL VAN EEN LICHAAM, ALSMEDE EEN WERKWIJZE VOOR HET AANSTUREN VAN EEN DERGELIJK SYSTEEM (71) Kelvin TMS B.V. (74) drs. P.F.H.M. van Someren c.s. (72) Arie van Wijngaarden (41) 02.10.2020
(51) A22C 21/00 (21) 2022799 (22) 25.03.2019 (54) Apparatus and method for harvesting meat from poultry thighs (71) Meyn Food Processing Technology B.V. (74) mr. ir. J. van Breda c.s. (72) Eric Adriaan van Hillo Bas Nagel (41) 02.10.2020	(51) A23L 5/20 A23L 17/60 (21) 2026395 (22) 02.09.2020	(51) A61K 35/32 A61K 38/02 A61P 19/10 C07K 7/08 (21) 2026294 (22) 19.08.2020 (54) OSSOTIDE, AND METHOD FOR CONFIRMING OSTEOGENESIS PHYSIOLOGICAL ACTIVITY AND USE THEREOF (71) Institute of Food Science and Technology Chinese Academy of Agricultural Sciences (74) dr. J. van Straaten (72) Chunhui Zhang Mengliang Ye Wei Jia Xiaojie Qin Qingshan Shen

Hongru Zhang	(21) 2022815	Chunyu Shang
(31) 201910784028.1	(22) 26.03.2019	Maomao Hou
(32) 23.08.2019	(54) A method for operating a hydrogen fuel cell system in a vehicle as well as a hydrogen fuel cell system for operation in said vehicle.	(31) 201910251293.3
(33) China		(32) 29.03.2019
(51) A61K 51/04		(33) China
(21) 2022828	(71) HyMove Holding B.V.	(51) C22B 3/10
(22) 28.03.2019	(74) ir. A. Blokland c.s.	H01F 1/44
(54) Targeting compounds for cancers selected from pancreas, pharynx and larynx, lung, breast, and intestines	(72) Jochem Evert Huijgen	(21) 2022821
(71) HQ Medical Netherlands B.V.	(41) 02.10.2020	(22) 27.03.2019
(74) dr. L.J.P. Vogels	(51) B60P 3/07	(54) STOCK SOLUTION
(72) Markwin Hendrik Maring	B60R 9/10	(71) Urban Mining Corp B.V.
Carel Jan Vogels	(21) 1043207	Delft University of Technology
(41) 06.10.2020	(22) 27.03.2019	(74) ir. H.A. Witmans c.s.
(51) A61L 31/10	(54) Recreational Vehicle Loading Ramp	(72) Peter Carlo Rem
A61L 31/12	(71) MR Radu Iliuta	Simon Petrus Maria Berkhout
A61L 31/18	(72) MR Radu Iliuta	Piotr Jakub Glazer
(21) 2022839	(41) 02.10.2020	Ronald Alphons Penners
(22) 29.03.2019	(51) B62B 1/06	(41) 02.10.2020
(54) An echogenic coating for ultrasound imaging of medical devices in deep tissue layers.	E01C 19/52	(51) E02D 7/08
(71) Encapson B.V.	B62B 1/26	(21) 2023210
(74) ir. J.C. Volmer c.s.	(21) 2022842	(22) 27.05.2019
(72) Lee Ayres	(22) 29.03.2019	(54) PILE DRIVING METHOD AND SYSTEM FOR DRIVING A PILE.
Yiyuan Lin	(54) Device for lifting and transporting objects	(71) Itrec B.V.
Hendricus Philip Breek	(71) Frederik Albert Scheringa	(74) ir. J.C. Volmer c.s.
(41) 06.10.2020	(74) ir. A.R. Aalbers	(72) Eric Romeijn
(51) A61L 31/10	(72) Frederik Albert Scheringa	(41) 06.10.2020
A61L 31/12	(41) 06.10.2020	(31) 2022829
A61L 31/18	(51) B65D 5/52	(32) 28.03.2019
(21) 2022838	(21) 2022802	(33) Netherlands
(22) 29.03.2019	(22) 25.03.2019	(51) E03C 1/04
(54) Use of echogenic coating for ultrasound imaging of medical devices in deep tissue layers.	(54) Display for presenting products and use thereof	(21) 2023795
(71) Encapson B.V.	(71) POZO NEGRO BEHEER B.V.	(22) 09.09.2019
(74) ir. J.C. Volmer c.s.	(74) ir. H.Th. van den Heuvel c.s.	(54) Ceramic Cartridge Faucet with Leakproof Structure
(72) Lee Ayres	(72) Johannes Leonardus Martinus Hol	(71) Shanghai Green Sun Architecture Hardware Co., Ltd.
Yiyuan Lin	(41) 02.10.2020	(74) J. Hoekstra
Hendricus Philip Breek	(51) B65D 6/24	(72) Qihua Huang
(41) 06.10.2020	B65D 85/34	(31) 201821899594.4
(51) B08B 15/02	B65D 85/50	(32) 19.11.2018
B01D 29/50	(21) 2022803	(33) China
B08B 15/00	(22) 25.03.2019	(51) E04B 1/34
B09B 3/00	(54) Box for transportation of perishable products, such as flowers, fruit and vegetables	E04B 1/343
(21) 1043205	(71) Circular Plastics B.V.	E04B 1/344
(22) 25.03.2019	(74) mr. ir. J. van Breda c.s.	(21) 2022834
(54) Afzuiger voor een saneringssysteem	(72) Johan Thans	(22) 28.03.2019
(71) Demto B.V.	(41) 02.10.2020	(54) MOBIEL BOUWWERK EN WERKWIJZE VOOR HET PLAATSEN DAARVAN
(74) drs. O. Griebing	(51) C04B 26/06	(71) Frisian Air B.V.
(72) Nanning Cornelus Schermers	E04B 1/82	(74) drs. P.F.H.M. van Someren c.s.
(41) 02.10.2020	E04F 13/02	(72) Lieuwe Koonstra
(51) B22F 3/105	(21) 1043192	(41) 06.10.2020
B29C 64/393	(22) 26.03.2019	(51) E04G 21/32
(21) 2022840	(54) Akoestische spuitpleistermassa	(21) 2022835
(22) 29.03.2019	(71) StrikoLith BV	(22) 28.03.2019
(54) Method and apparatus for producing an object by means of additive manufacturing	(72) Adriaan Cornelis van Strien	(54) Werkwijze voor het plaatsen van constructieve vloerelementen en een valbeveiligingsinrichting voor constructieve vloerelementen
(71) Additive Industries B.V.	(41) 02.10.2020	(71) Dirk Benjamin Kriek
(74) ir. A. Blokland c.s.	(51) C05G 1/00	(74) drs. P.F.H.M. van Someren c.s.
(72) Rob Peter Albert van Haendel	(21) 2023363	(72) Dirk Benjamin Kriek
Erwin Wijn	(22) 24.06.2019	(41) 02.10.2020
(41) 06.10.2020	(54) COMPOUND FERTILIZER AND APPLICATION METHOD THEREOF	(51) E04H 6/14
(51) B60L 58/40	(71) Fujian Agriculture and Forestry University	E04H 6/16
	(74) mr. ir. J. van Breda c.s.	E04H 6/42
	(72) Fenglin Zhong	
	Zhiyuan Lin	

(21) 2024550	(21) 2022806	(41) 06.10.2020
(22) 20.12.2019	(22) 25.03.2019	(51) G03F 7/20
(54) INTELLIGENT CONTROL SYSTEM FOR UNATTENDED VERTICAL CIRCULATING MECHANICAL THREE-DIMENSIONAL GARAGE	(54) A luminescent optical device and a film for use with such a luminescent optical device.	(21) 2024986
(71) Anhui University of Science and Technology	(71) Technische Universiteit Eindhoven	(22) 25.02.2020
(74) drs. P.A. van Essen c.s.	(74) ir. A. Blokland c.s.	(54) Method of measuring an alignment mark or an alignment mark assembly, Alignment system, and Lithographic tool
(72) Kuosheng Jiang	(72) Jeroen ter Schiphorst	(71) ASML Netherlands B.V.
Yuanyuan Zhou	Teunis Jort Louwijs Wagenaar	(74) ir. A.J.M. van Hoef
Yi Liu	Michael George Debije	(72) Franciscus Godefridus Casper Bijnen
Song Hu	(41) 02.10.2020	Ralph Brinkhof
Yang Li	(51) F23D 14/02	(31) 19165581.0
(41) 30.09.2020	F23N 1/02	(32) 27.03.2019
(31) 201910474914.4	(21) 2022826	(33) European Patent Office (EPO)
(32) 03.06.2019	(22) 28.03.2019	(51) G03F 7/20
(33) China	(54) Method for operating a premix gas burner, a premix gas burner and a boiler	(21) 2025089
(51) E06C 7/42	(71) BDR Thermea Group B.V.	(22) 10.03.2020
(21) 2022816	(74) ir. H.A. Witmans c.s.	(54) A lithographic apparatus and related methods
(22) 26.03.2019	(72) Marco Dal Gazzo	(71) ASML Netherlands B.V.
(54) BRACE-FOOT COMBINATION FOR STEP LADDERS	Sebastiano Temperato	(74) ir. A.J.M. van Hoef
(71) Altrex B.V.	(41) 02.10.2020	(72) Alisia Mariska Willems - Peters
(74) dr. A. Krebs	(51) F28F 3/08	Sander Baltussen
(72) Bernardus Gerhardus Maria Overgoor	B21D 53/02	Zhuangxiong Huang
(41) 02.10.2020	(21) 2022811	Reinier Theodorus Martinus Jilisen
(51) F16F 15/04	(22) 26.03.2019	Sietse Wijtviel
(21) 1043209	(54) Methode en apparaat voor het assembleren van een ledenwarmtewisselaar	(31) 19166555.3
(22) 28.03.2019	(71) BEKAERT COMBUSTION TECHNOLOGY B.V.	(32) 01.04.2019
(54) Cryogenic modular 3 DoF vibration isolator	(74) ir. J.C. Volmer c.s.	(33) European Patent Office (EPO)
(71) JPE	(72) Ernst Mandema	(51) G03F 7/20
Ir Hubertus Leonardus Mathias Marie Janssen	(41) 02.10.2020	(21) 2025231
(72) Ir Hubertus Leonardus Mathias Marie Janssen	(51) G01K 11/32	(22) 30.03.2020
Ir Bartholomeus Catharina Thomas Bree van	G01K 15/00	(54) CONTROLLING CONVERSION EFFICIENCY IN AN EXTREME ULTRAVIOLET LIGHT SOURCE
Robin Willem Hans Trines	(21) 2024922	(71) ASML Netherlands B.V.
(41) 02.10.2020	(22) 17.02.2020	(74) ir. A.J.M. van Hoef
(51) F16K 11/072	(54) TEMPERATURE SELF-CORRECTION METHOD BY USING FITTING ATTENUATION DIFFERENCE IN DISTRIBUTED OPTICAL FIBER RAMAN TEMPERATURE MEASURING SYSTEM	(72) Haining Wang
(21) 2022798	(71) Anhui University of Science and Technology	Theodorus Wilhelmus Driessen
(22) 25.03.2019	(74) drs. P.A. van Essen c.s.	Robert Jay Rafac
(54) Diverter valve	(72) Tianbing Ma	Alexander Anthony Schafgans
(71) DMN-WESTINGHOUSE	Baowei Zi	Dietmar Uwe Herbert Trees
(74) mr. ir. J. van Breda c.s.	Yongcun Gup	Daniel John William Brown
(72) John Seneberg	Liuyi Ling	(31) 62/827,521
(41) 02.10.2020	Yourui Huang	(32) 01.04.2019
(51) F21S 4/28	Xiaofen Jia	(33) United States of America
F21V 23/00	(41) 30.09.2020	(51) G03F 7/20
F21V 3/06	(31) 201910611921.4	H05G 2/00
F21V 21/005	(32) 08.07.2019	(21) 2025184
F21Y 115/10	(33) China	(22) 20.03.2020
H01R 25/14	(51) G02B 6/44	(54) EXTREME ULTRAVIOLET CHAMBER APPARATUS, EXTREME ULTRAVIOLET LIGHT GENERATION SYSTEM, AND METHOD FOR MANUFACTURING ELECTRONIC DEVICE
(21) 2022827	H02G 3/06	(71) Gigaphoton Inc.
(22) 28.03.2019	F16L 33/24	(74) ir. H.Th. van den Heuvel c.s.
(54) Verlichtingsrail	F16L 47/16	(72) Atsushi Ueda
(71) VEKO LIGHTSYSTEMS INTERNATIONAL B.V.	(21) 2022841	Gota Niimi
(74) ir. H.Th. van den Heuvel c.s.	(22) 29.03.2019	Georg Saumagne
(72) Marius Rijkssen	(54) PROTECTIVE PLASTIC PIPE END FITTING SYSTEM AND METHOD	(31) 2019-070021
Nicolaas Robert Johannes van Banning	(71) Filoform B.V.	(32) 01.04.2019
(41) 02.10.2020	(74) ir. J.C. Volmer c.s.	(33) Japan
(51) F21V 9/30	(72) Willem Ipenburg	(51) G05B 19/02
F21V 9/45		(21) 2022800
H01L 31/055		(22) 25.03.2019

- (54) Systeem en werkwijze voor het intralogistiek transporteren van producten.
 (71) Vanderlande Industries B.V.
 (74) ir. A. Blokland c.s.
 (72) Jozef Antonius Wilhelmus Maria van Eekelen
 (41) 02.10.2020
-
- (51) G06K 9/00
 G06K 9/46
 G06T 7/277
 (21) 2023430
 (22) 03.07.2019
 (54) Target Tracking Method Based on Improved Particle Swarm Optimization Algorithm
 (71) CHENGDU QITAI ZHILIAN INFORMATION TECHNOLOGY CO., LTD.
 (74) drs. C.M.A. Quintelier
 (72) Hui Sun
 Jiabin Li
 Rui Deng
 Meng Li
 Longlong Xia
 Shigui Zou
 Xiaolong Liao
 Xuyu Wang
 (41) 06.10.2020
 (31) 2019104841314
 (32) 05.06.2019
 (33) China
-
- (51) G06K 9/00
 G06K 9/62
 (21) 2022812
 (22) 26.03.2019
 (54) A computer controlled method of operating a training tool and a training tool for classifying annotated events in content of data stream.
 (71) Teletrax B.V.
 (74) ir. A. Blokland c.s.
 (72) Gerrit Cornelis Langelaar
 John Pierre Jacobus Verhagen
 (41) 02.10.2020
-
- (51) G06Q 10/08
 G06Q 30/08
 G06Q 50/30
 G07B 15/00
 (21) 2025230
 (22) 29.03.2020
 (54) A method for transporting a plurality of system users and goods
 (71) ERTICO SCRL
 Nimera BV
 EdelWISE BV
 (74) M.A.T. Beck MSc LL.B
 (72) Frank Daems
 Erwin Vermassen
 (41) 06.10.2020
 (31) 19166423.4
 (32) 29.03.2019
 (33) European Patent Office (EPO)
-
- (51) G08C 17/00
 H01H 9/02
 (21) 2026312
 (22) 20.08.2020
 (54) Remote control device
- (62) 1041720
 (71) Hunter Douglas Inc
 (74) ir. J.C. Volmer c.s.
 (72) Ronald R. Kass
 Douglas J. Barr
 Joseph E. Kovach
 Kevin M. Dann
 David J. Parrett
 Clark Brace
 Fred Bould
 (31) 62/115,947
 (32) 13.02.2015
 (33) United States of America
-
- (51) H01Q 5/357
 H01Q 1/24
 H01Q 7/00
 H01Q 13/16
 H01Q 19/10
 (21) 2022823
 (22) 27.03.2019
 (54) Dual-band directional antenna, wireless device, and wireless communication system
 (71) THE ANTENNA COMPANY INTERNATIONAL N.V.
 (74) ir. H.Th. van den Heuvel c.s.
 (72) Diego Caratelli
 Bedilu Befekadu Adela
 Daniel Alexandru Cringus
 (41) 02.10.2020
-
- (51) H01R 9/03
 (21) 2022791
 (22) 22.03.2019
 (54) SHORT-CIRCUITING DEVICE
 (71) Batenburg Energietechniek B.V.
 (74) mr. drs. A.J.W. Hooiveld c.s.
 (72) Joannes Cornelis Jozef van der Poel
 Alfred Valk
 (41) 02.10.2020
-
- (51) H01R 13/03
 H01R 13/53
 (21) 2022814
 (22) 26.03.2019
 (54) High voltage coupling contact
 (71) HAPAM B.V.
 (74) mr. ir. J. van Breda c.s.
 (72) Robert Herman Koopman
 Paulus Cornelis van der Wal
 (41) 02.10.2020
-
- (51) H02S 20/26
 H02S 40/22
 (21) 2022801
 (22) 25.03.2019
 (54) Inrichting voor het winnen van energie uit omgevingslicht en foto-voltaïsche omzettinginrichting
 (71) Lusoco B.V.
 (74) drs. A.A. Jilderda
 (72) Jeroen ter Schiphorst
 Teunis Jort Lowijs Wagenaar
 (41) 02.10.2020
-
- (51) H05K 7/20
 (21) 2022808
 (22) 25.03.2019
 (54) Equipment cabinet with rack and close-coupled cooling system
 (71) Prodrive Technologies B.V.
- (74) J. Van Malderen
 (72) Tom Adrianus Henricus van der Kant
 Eric Henricus Marinus Martinus van Uden
 (41) 02.10.2020

NP2

Ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.**Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.**

(51) A01G 5/00 B07C 5/00 B65G 25/02 B65G 49/05	(51) A22C 21/00 (11) 2022799 (47) 02.10.2020 (22) 25.03.2019	(73) HQ Medical Netherlands B.V. (72) Markwin Hendrik Maring Carel Jan Vogels (74) dr. L.J.P. Vogels
(11) 2022824 (47) 02.10.2020 (22) 27.03.2019	(54) Apparatus and method for harvesting meat from poultry thighs (73) Meyn Food Processing Technology B.V. (72) Eric Adriaan van Hillo Bas Nagel	(51) A61L 31/10 A61L 31/12 A61L 31/18 (11) 2022838 (47) 06.10.2020 (22) 29.03.2019
(54) Systeem voor transport van snijbloemen (73) 4More Technology BV (72) Wouter Vreugdenhil Cornelis Bukman (74) ir. A. Ferguson	(74) mr. ir. J. van Breda c.s.	(54) Use of echogenic coating for ultrasound imaging of medical devices in deep tissue layers. (73) Encapson B.V. (72) Lee Ayres Yiyuan Lin Hendricus Philip Breek (74) ir. J.C. Volmer c.s.
(51) A01G 5/00 B65G 17/34 B65G 25/02	(51) A23G 1/00 A23G 1/22 B65D 85/60 (11) 1043206 (47) 02.10.2020 (22) 25.03.2019	(54) Use of echogenic coating for ultrasound imaging of medical devices in deep tissue layers. (73) Encapson B.V. (72) Lee Ayres Yiyuan Lin Hendricus Philip Breek (74) ir. J.C. Volmer c.s.
(11) 2022825 (47) 02.10.2020 (22) 27.03.2019	(54) Chocoladeproduct, vervaardigd met behulp van een eenmalig te gebruiken gietvorm die deel uitmaakt van het chocoladeproduct (73) InvesToros B.V. (72) Etienne Herman Walter Blondeel	(51) A61L 31/10 A61L 31/12 A61L 31/18 (11) 2022839 (47) 06.10.2020 (22) 29.03.2019
(54) Transporthouder voor een snijbloem (73) 4More Technology BV (72) Wouter Vreugdenhil Cornelis Bukman (74) ir. A. Ferguson	(51) A47C 27/14 (11) 2022819 (47) 02.10.2020 (22) 27.03.2019	(54) An echogenic coating for ultrasound imaging of medical devices in deep tissue layers. (73) Encapson B.V. (72) Lee Ayres Yiyuan Lin Hendricus Philip Breek (74) ir. J.C. Volmer c.s.
(51) A01G 9/12 A01G 17/08	(54) Adaptable mattress (73) Maxtras B.V. (72) Willem Leonard Frits Treffers (74) mr. ir. J. van Breda c.s.	(51) A61L 31/10 A61L 31/12 A61L 31/18 (11) 2022839 (47) 06.10.2020 (22) 29.03.2019
(11) 2022831 (47) 30.09.2020 (22) 28.03.2019	(51) A47J 19/02 (11) 2022810 (47) 02.10.2020 (22) 26.03.2019	(54) An echogenic coating for ultrasound imaging of medical devices in deep tissue layers. (73) Encapson B.V. (72) Lee Ayres Yiyuan Lin Hendricus Philip Breek (74) ir. J.C. Volmer c.s.
(54) Klemelement en werkwijze (73) Fleur-cd B.V. (72) René van der Meij (74) ir. H.A. Witmans c.s.	(54) Device for extracting juice and pulp from fruit (73) Bravilor Bonamat BV (72) Mathias Anthonius Franciscus Rutten Antonius Johannes Spijker (74) mr. ir. J. van Breda c.s.	(51) B08B 15/02 B01D 29/50 B08B 15/00 B09B 3/00 (11) 1043205 (47) 02.10.2020 (22) 25.03.2019
(51) A01J 5/00 A01J 7/00 A01J 25/00	(51) A61F 7/00 (11) 2022837 (47) 02.10.2020 (22) 28.03.2019	(54) Afzuiger voor een saneringssysteem (73) Demto B.V. (72) Nanning Cornelus Schermers (74) drs. O. Griebing
(11) 2022833 (47) 02.10.2020 (22) 28.03.2019	(54) SYSTEEM EN INRICHTING VOOR HET KOELEN EN/OF VERWARMEN VAN ALTHANS EEN DEEL VAN EEN LICHAAM, ALSMEDE EEN WERKWIJZE VOOR HET AANSTUREN VAN EEN DERGELIJK SYSTEEM (73) Kelvin TMS B.V. (72) Arie van Wijngaarden (74) drs. P.F.H.M. van Someren c.s.	(51) B22F 3/105 B29C 64/393 (11) 2022840 (47) 06.10.2020 (22) 29.03.2019
(54) Werkwijze voor het melken van melkdieren en het produceren van kaas uit de gemolken melk alsmede melkmachine voor het melken van melkdieren met daaraan gekoppeld een productielijn voor het produceren van kaas (73) Lely Patent N.V. (72) Paulus Jacobus Maria van Adrichem Karel van den Berg Arie Huyzer (74) ir. M.J.F.M. Corten	(51) A61K 51/04 (11) 2022828 (47) 06.10.2020 (22) 28.03.2019	(54) Method and apparatus for producing an object by means of additive manufacturing (73) Additive Industries B.V. (72) Rob Peter Albert van Haendel Erwin Wijn (74) ir. A. Blokland c.s.
(51) A22C 21/00 (11) 2022804 (47) 02.10.2020 (22) 25.03.2019	(54) Targeting compounds for cancers selected from pancreas, pharynx and larynx, lung, breast, and intestines	(51) B60L 58/40 (11) 2022815 (47) 02.10.2020 (22) 26.03.2019

(54) A method for operating a hydrogen fuel cell system in a vehicle as well as a hydrogen fuel cell system for operation in said vehicle.	(11) 2024521 (47) 30.09.2020 (22) 19.12.2019 (54) METHOD FOR UPGRADING WASTE OIL	(54) Werkwijze voor het plaatsen van constructieve vloerelementen en een valbeveiligingsinrichting voor constructieve vloerelementen
(73) HyMove Holding B.V. (72) Jochem Evert Huijgen (74) ir. A. Blokland c.s.	(73) Neste Oyj (72) Blanka Toukoniitty Annika Malm Ville Paasikallio	(73) Dirk Benjamin Kriek (72) Dirk Benjamin Kriek (74) drs. P.F.H.M. van Someren c.s.
(51) B60P 3/07 B60R 9/10 (11) 1043207 (47) 02.10.2020 (22) 27.03.2019 (54) Recreational Vehicle Loading Ramp	(74) ir. M.F.J.M. Ketelaars c.s. (31) 20186124 (32) 21.12.2018 (33) Finland	(51) E04H 6/14 E04H 6/16 E04H 6/42 (11) 2024550 (47) 30.09.2020 (22) 20.12.2019
(73) MR Radu Iliuta (72) MR Radu Iliuta	(51) C22B 3/10 H01F 1/44	(54) INTELLIGENT CONTROL SYSTEM FOR UNATTENDED VERTICAL CIRCULATING MECHANICAL THREE-DIMENSIONAL GARAGE
(51) B62B 1/06 E01C 19/52 B62B 1/26 (11) 2022842 (47) 06.10.2020 (22) 29.03.2019 (54) Device for lifting and transporting objects	(11) 2022821 (47) 02.10.2020 (22) 27.03.2019 (54) STOCK SOLUTION	(73) Anhui University of Science and Technology
(73) Frederik Albert Scheringa (72) Frederik Albert Scheringa (74) ir. A.R. Aalbers	(73) Urban Mining Corp B.V. Delft University of Technology (72) Peter Carlo Rem Simon Petrus Maria Berkhout Piotr Jakub Glazer Ronald Alphons Penners	(72) Kuosheng Jiang Yuanyuan Zhou Yi Liu Song Hu Yang Li
(51) B65D 5/52 (11) 2022802 (47) 02.10.2020 (22) 25.03.2019 (54) Display for presenting products and use thereof	(74) ir. H.A. Witmans c.s. (51) E02D 7/08 (11) 2023210 (47) 06.10.2020 (22) 27.05.2019 (54) PILE DRIVING METHOD AND SYSTEM FOR DRIVING A PILE.	(74) drs. P.A. van Essen c.s. (31) 201910474914.4 (32) 03.06.2019 (33) China
(73) POZO NEGRO BEHEER B.V. (72) Johannes Leonardus Martinus Hol (74) ir. H.Th. van den Heuvel c.s.	(73) Itrec B.V. (72) Eric Romeijn (74) ir. J.C. Volmer c.s.	(51) E06C 7/42 (11) 2022816 (47) 02.10.2020 (22) 26.03.2019 (54) BRACE-FOOT COMBINATION FOR STEP LADDERS
(51) B65D 6/24 B65D 85/34 B65D 85/50 (11) 2022803 (47) 02.10.2020 (22) 25.03.2019 (54) Box for transportation of perishable products, such as flowers, fruit and vegetables	(31) 2022829 (32) 28.03.2019 (33) Netherlands	(73) Altrex B.V. (72) Bernardus Gerhardus Maria Overgoor (74) dr. A. Krebs
(73) Circular Plastics B.V. (72) Johan Thans (74) mr. ir. J. van Breda c.s.	(51) E04B 1/34 E04B 1/343 E04B 1/344 (11) 2022834 (47) 06.10.2020 (22) 28.03.2019 (54) MOBIEL BOUWWERK EN WERKWIJZE VOOR HET PLAATSEN DAARVAN	(51) F16F 15/04 (11) 1043209 (47) 02.10.2020 (22) 28.03.2019 (54) Cryogenic modular 3 DoF vibration isolator
(51) C04B 26/06 E04B 1/82 E04F 13/02 (11) 1043192 (47) 02.10.2020 (22) 26.03.2019 (54) Akoestische spuitpleistermassa	(73) Frisian Air B.V. (72) Lieuwe Koonstra (74) drs. P.F.H.M. van Someren c.s.	(73) JPE Ir Hubertus Leonardus Mathias Marie Janssen (72) Ir Hubertus Leonardus Mathias Marie Janssen Ir Bartholomeus Catharina Thomas Bree van Robin Willem Hans Trines
(73) StrikoLith BV (72) Adriaan Cornelis van Strien	(51) E04F 11/04 E04F 11/18 (11) 2022809 (47) 02.10.2020 (22) 25.03.2019 (54) A stair assembly, an object and a stair assembly operating method	(51) F16K 11/072 (11) 2022798 (47) 02.10.2020 (22) 25.03.2019 (54) Diverter valve
(51) C09K 17/22 C09K 17/32 (11) 2022820 (47) 30.09.2020 (22) 27.03.2019 (54) Soil conditioning composition and soil conditioning method	(73) Aiber Exploitatie Management B.V. (72) Gerrit Burger (74) ir. M. van der Velden (31) NL2020661 (32) 23.03.2018 (33) Netherlands	(73) DMN-WESTINGHOUSE (72) John Seneberg (74) mr. ir. J. van Breda c.s.
(73) W.A.D. Global B.V. (72) Gernot Klaus Brueck Julianus Petronella Gerardus Coenen (74) dr. T. Wittop Koning PhD	(51) E04G 21/32 (11) 2022835 (47) 02.10.2020 (22) 28.03.2019	(51) F21S 4/28 F21V 23/00 F21V 3/06 F21V 21/005 F21Y 115/10 H01R 25/14 (11) 2022827 (47) 02.10.2020
(51) C10M 175/00		

(22) 28.03.2019	H02G 3/06	(73) ERTICO SCRL
(54) Verlichtingsrail	F16L 33/24	Nimera BV
(73) VEKO LIGHTSYSTEMS	F16L 47/16	EdelWISE BV
INTERNATIONAL B.V.	(11) 2022841	(72) Frank Daems
(72) Marius Rijkse	(47) 06.10.2020	Erwin Vermassen
Nicolaas Robert Johannes van Banning	(22) 29.03.2019	(74) M.A.T. Beck MSc LL.B
(74) ir. H.Th. van den Heuvel c.s.	(54) PROTECTIVE PLASTIC PIPE END FITTING SYSTEM AND METHOD	(31) 19166423.4
(51) F21V 9/30	(73) Filoform B.V.	(32) 29.03.2019
F21V 9/45	(72) Willem Ipenburg	(33) European Patent Office (EPO)
H01L 31/055	(74) ir. J.C. Volmer c.s.	(51) H01L 31/0216
(11) 2022806	(51) G05B 19/02	H01L 31/048
(47) 02.10.2020	(11) 2022800	(11) 2024581
(22) 25.03.2019	(47) 02.10.2020	(47) 30.09.2020
(54) A luminescent optical device and a film for use with such a luminescent optical device.	(22) 25.03.2019	(22) 26.12.2019
(73) Technische Universiteit Eindhoven	(54) Systeem en werkwijze voor het intralogistiek transporteren van producten.	(54) Photovoltaic glass reflection film with ultra-high visible light reflectance and preparation method thereof
(72) Jeroen ter Schiphorst	(73) Vanderlande Industries B.V.	(73) JIANGSU BAIFU TECHNOLOGY CO., LTD
Teunis Jort Lowijs Wagenaar	(72) Jozef Antonius Wilhelmus Maria van Eekelen	(72) Meilan Wang
Michael George Debije	(74) ir. A. Blokland c.s.	Dongqin Qian
(74) ir. A. Blokland c.s.	(51) G06K 9/00	Yong Wang
(51) F23D 14/02	G06K 9/46	Junyi Wei
F23N 1/02	G06T 7/277	(74) drs. C.M.A. Quintelier
(11) 2022826	(11) 2023430	(31) 201811600331.3
(47) 02.10.2020	(47) 06.10.2020	(32) 26.12.2018
(22) 28.03.2019	(22) 03.07.2019	(33) China
(54) Method for operating a premix gas burner, a premix gas burner and a boiler	(54) Target Tracking Method Based on Improved Particle Swarm Optimization Algorithm	(51) H01Q 5/357
(73) BDR Thermea Group B.V.	(73) CHENGDU QITAI ZHILIAN INFORMATION TECHNOLOGY CO., LTD.	H01Q 1/24
(72) Marco Dal Gazzo	(72) Hui Sun	H01Q 7/00
Sebastiano Temperato	Jiabin Li	H01Q 13/16
(74) ir. H.A. Witmans c.s.	Rui Deng	H01Q 19/10
(51) F28F 3/08	Meng Li	(11) 2022823
B21D 53/02	Longlong Xia	(47) 02.10.2020
(11) 2022811	Shigui Zou	(22) 27.03.2019
(47) 02.10.2020	Xiaolong Liao	(54) Dual-band directional antenna, wireless device, and wireless communication system
(22) 26.03.2019	Xuyu Wang	(73) THE ANTENNA COMPANY INTERNATIONAL N.V.
(54) Methode en apparaat voor het assembleren van een ledenwarmtewisselaar	(74) drs. C.M.A. Quintelier	(72) Diego Caratelli
(73) BEKAERT COMBUSTION TECHNOLOGY B.V.	(31) 2019104841314	Bedilu Befekadu Adela
(72) Ernst Mandema	(32) 05.06.2019	Daniel Alexandru Cringus
(74) ir. J.C. Volmer c.s.	(33) China	(74) ir. H.Th. van den Heuvel c.s.
(51) G01K 11/32	(51) G06K 9/00	(51) H01R 9/03
G01K 15/00	G06K 9/62	(11) 2022791
(11) 2024922	(11) 2022812	(47) 02.10.2020
(47) 30.09.2020	(47) 02.10.2020	(22) 22.03.2019
(22) 17.02.2020	(22) 26.03.2019	(54) SHORT-CIRCUITING DEVICE
(54) TEMPERATURE SELF-CORRECTION METHOD BY USING FITTING ATTENUATION DIFFERENCE IN DISTRIBUTED OPTICAL FIBER RAMAN TEMPERATURE MEASURING SYSTEM	(54) A computer controlled method of operating a training tool and a training tool for classifying annotated events in content of data stream.	(73) Batenburg Energietechniek B.V.
(73) Anhui University of Science and Technology	(73) Teletrax B.V.	(72) Joannes Cornelis Jozef van der Poel
(72) Tianbing Ma	(72) Gerrit Cornelis Langelaar	Alfred Valk
Baowei Zi	John Pierre Jacobus Verhagen	(74) mr. drs. A.J.W. Hooiveld c.s.
Yongcun Gup	(74) ir. A. Blokland c.s.	(51) H01R 13/03
Liuyi Ling	(51) G06Q 10/08	H01R 13/53
Yourui Huang	G06Q 30/08	(11) 2022814
Xiaofen Jia	G06Q 50/30	(47) 02.10.2020
(74) drs. P.A. van Essen c.s.	G07B 15/00	(22) 26.03.2019
(31) 201910611921.4	(11) 2025230	(54) High voltage coupling contact
(32) 08.07.2019	(47) 06.10.2020	(73) HAPAM B.V.
(33) China	(22) 29.03.2020	(72) Robert Herman Koopman
(51) G02B 6/44	(54) A method for transporting a plurality of system users and goods	Paulus Cornelis van der Wal
		(74) mr. ir. J. van Breda c.s.
		(51) H02S 20/26
		H02S 40/22
		(11) 2022801
		(47) 02.10.2020

- (22) 25.03.2019
(54) Inrichting voor het winnen van energie uit omgevingslicht en foto-voltaische omzettinginrichting
(73) Lusoco B.V.
(72) Jeroen ter Schiphorst
Teunis Jort Lowijs Wagenaar
(74) drs. A.A. Jilderda
-
- (51) H05K 7/20
(11) 2022808
(47) 02.10.2020
(22) 25.03.2019
(54) Equipment cabinet with rack and close-coupled cooling system
(73) Prodrive Technologies B.V.
(72) Tom Adrianus Henricus van der Kant
Eric Henricus Marinus Martinus van Uden
(74) J. Van Malderen
-

NP3

**Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995..
Contains data concerning Netherlands patents which have been entered in the patent
register (after limitation procedure) under the Patents Act 1995.**

EP1

Vertaalde conclusies van Europese octrooiaanvragen.

Contains data concerning translations of the claims of European patent applications.

EP2

Voor Nederland verleende Europese octrooien.

Contains data concerning European patents granted for The Netherlands.

(51) A01B 13/08	A01C 21/00	(73) Kubota Corporation
A01B 15/18	A01M 7/00	(72) SENDA, Ryotaro
(11) EP3127411	A01M 21/04	UEMOTO, Kensuke
(21) EP16182634.2	(11) EP3264892	MIHARA, Akihito
(47) 07.10.2020	(21) EP16762241.4	KANAI, Toshiki
(22) 03.08.2016	(47) 07.10.2020	AKAI, Yuto
(54) CRACKING TOOL AND DEVICE WITH COULTER	(87) US2016020990	(31) 2016235231
(73) Carbure Technologies	15.09.2016	2017039297
(72) DUMOULIN, Tom	(22) 04.03.2016	2017080010
(31) 1557505	(54) MODULAR PRECISION AGRICULTURE	(32) 02.12.2016
(32) 03.08.2015	SYSTEM	02.03.2017
(33) France	(73) Blue River Technology Inc.	13.04.2017
(51) A01B 49/06	(72) REDDEN, Lee Kamp	(33) Japan
A01B 51/02	OSTROWSKI, James Patrick	Japan
A01B 63/00	ANDERSON, Kent	Japan
A01B 63/04	PELL, Edward William Jeffcott	(51) A01D 34/64
A01B 63/111	(31) 201562129400 P	B60R 16/04
A01B 63/12	(32) 06.03.2015	B60K 1/04
A01B 69/00	(33) United States of America	(11) EP3289851
A01B 69/04	(51) A01B 79/00	(21) EP17173974.1
A01B 79/00	G01B 5/00	(47) 07.10.2020
A01C 5/06	G01B 21/04	(22) 01.06.2017
A01C 7/20	G06K 9/00	(54) WORK VEHICLE
A01M 7/00	(11) EP3563115	(73) Kubota Corporation
(11) EP3406138	(21) EP17826525.2	(72) AKAI, Yuto
(21) EP18173833.7	(47) 07.10.2020	YAMASHITA, Nobuyuki
(47) 07.10.2020	(87) EP2017084608	SHIBATA, Takashi
(22) 23.05.2018	05.07.2018	MATSUMOTO, Koichiro
(54) AUTONOMOUS OR REMOTE CONTROLLED VEHICLE PLATFORM FOR SPRAYING	(22) 27.12.2017	IZUMI, Masahiro
(73) Deere & Company	(54) DEVICE AND METHOD FOR DETERMINING A HEIGHT OF AN AGRICULTURAL PRODUCT	(31) 2016171965
(72) Connell, Richard J.	(73) YARA International ASA	(32) 02.09.2016
Rich, Shayne C.	(72) REUSCH, Stefan	(33) Japan
McDonald, Brandon	(31) 16206921	(51) A01D 34/74
Lingenfelter, Newton L.	(32) 27.12.2016	(11) EP3282826
Miller, Michael M.	(33) European Patent Office (EPO)	(21) EP15716789.1
Thompson, Austin N.	(51) A01C 5/06	(47) 07.10.2020
(31) 201762511549 P	A01C 7/04	(87) EP2015058163
201715708703	A01C 7/20	20.10.2016
(32) 26.05.2017	(11) EP3308617	(22) 15.04.2015
19.09.2017	(21) EP17204082.6	(54) LAWN MOWER CUTTING HEIGHT ADJUSTMENT ASSEMBLY
(33) United States of America	(47) 07.10.2020	(73) Husqvarna AB
United States of America	(22) 22.03.2011	(72) STRAZZERI, Sandro
(51) A01B 63/22	(54) ROW UNIT FOR A PLANTER AND A PLANTER	MACK, Tobias
(11) EP3398419	(73) Väderstad Holding AB	(51) A01D 34/74
(21) EP18167591.9	(72) Stark, Magnus	(11) EP3407700
(47) 07.10.2020	(31) 1050271	(21) EP17701318.2
(22) 16.04.2018	(32) 23.03.2010	(47) 07.10.2020
(54) REMOTE HYDRAULIC ACTUATION AND POSITIONING OF A PLURALITY OF IMPLEMENT STABILIZER WHEELS	(33) Sweden	(87) EP2017051401
(73) CNH Industrial Belgium NV	(51) A01D 34/00	03.08.2017
(72) Blunier, Timothy R.	A01D 34/66	(22) 24.01.2017
Shah, Kena	A01D 34/71	(54) LOCKING ASSEMBLY FOR A LAWN MOWER CUTTING HEIGHT ADJUSTMENT ASSEMBLY
Stovall, Christopher	(11) EP3329759	(73) Husqvarna AB
(31) 201715581331	(21) EP17204490.1	(72) BAYKARA, Yunus
(32) 28.04.2017	(47) 07.10.2020	(31) 201662286546 P
(33) United States of America	(22) 29.11.2017	(32) 25.01.2016
(51) A01B 79/00	(54) GRASS MOWER DEVICE AND RIDING TYPE GRASS MOWER HAVING THE GRASS MOWER DEVICE	(33) United States of America
		(51) A01D 34/835
		(11) EP3501254

(21) EP18213105.2	(21) EP18196713.4	(51) A01G 9/14
(47) 07.10.2020	(47) 07.10.2020	A47F 5/00
(22) 17.12.2018	(22) 25.09.2018	A61M 1/14
(54) HARVESTING ATTACHMENT WITH A MULCHING DEVICE FOR PROCESSING PLANT STUMPS ON A FIELD	(54) GRASS-MOWER (73) Iseki & Co., Ltd. (72) KURITA, Kazuyuki (31) 2017188026 (32) 28.09.2017 (33) Japan	A61M 1/16 B29L 31/00 B32B 17/10 B32B 27/36 B65D 1/02 B65D 23/10 B65D 43/00 C08G 63/183 C08G 63/199 C08K 3/32 C08L 67/02 C08L 101/00 C09D 167/02 E04D 13/03 C08J 7/04
(73) Deere & Company	(51) A01F 12/44	(11) EP3031481
(72) Awater, Klaus Effsing, Jürgen Messing, Marco Schlamann, Michael Weitenberg, Clemens	B07B 4/02 B07B 11/04 (11) EP3412139	(21) EP16000036.0 (47) 07.10.2020 (22) 30.03.2006
(31) 102017223173	(21) EP18176555.3	(54) FILM(S) AND/OR SHEET(S) COMPRISING POLYESTER COMPOSITIONS WHICH COMPRISE CYCLOBUTANEDIOL AND HAVE A CERTAIN COMBINATION OF INHERENT VISCOSITY AND HIGH GLASS TRANSITION TEMPERATURE
(32) 19.12.2017	(47) 07.10.2020	(73) EASTMAN CHEMICAL COMPANY
(33) Germany	(22) 07.06.2018	(72) Crawford, Emmett, Dudley McWilliams, , Douglas, Stephens Porter, David, Scott Connell, Gary, Wayne
(51) A01D 41/12	(54) AGRICULTURAL GRAIN CLEANER	(31) 691567 P 731389 P 731454 P 738869 P 739058 P 750547 P 750682 P 750692 P 750693 P
(11) EP2890235	(73) Deere & Company	(32) 17.06.2005 28.10.2005 28.10.2005 22.11.2005 22.11.2005 15.12.2005 15.12.2005 15.12.2005
(21) EP13753993.8	(72) Puvak, Jared	(33) United States of America United States of America United States of America United States of America United States of America United States of America United States of America United States of America
(47) 07.10.2020	(31) 201715617260	(51) A01G 9/24 A01G 13/02 A01N 43/16 A01G 24/10 A01G 24/42
(87) US2013056409 06.03.2014	(32) 08.06.2017	(11) EP2782990
(22) 23.08.2013	(33) United States of America	(21) EP12851712.5
(54) WINDROW DOOR ASSEMBLY FOR AN AGRICULTURAL COMBINE	(51) A01F 15/07	
(73) CNH Industrial Belgium N.V.	(11) EP3406132	
(72) DILTS, Mark David ISAAC, Nathan E.	(21) EP18170400.8 (47) 07.10.2020 (22) 02.05.2018	
(31) 201213600712	(54) STRIPPER DEVICE, PRESS AND METHOD	
(32) 31.08.2012	(73) Deere & Company	
(33) United States of America	(72) Gresset, Pascal Perrotin, Frederic Duret, Vincent	
(51) A01D 41/127	(31) 102017208761	
(11) EP3178307	(32) 23.05.2017	
(21) EP16184138.2	(33) Germany	
(47) 07.10.2020	(51) A01F 15/07	
(22) 15.08.2016	A01F 15/08	
(54) AGRICULTURAL WORK MACHINE	(11) EP3440924	
(73) CLAAS Selbstfahrende Erntemaschinen GmbH	(21) EP18188209.3 (47) 07.10.2020 (22) 09.08.2018	
(72) Baumgarten, Dr., Joachim Wilken, Andreas Heitmann, Christoph Bormann, Bastian Neu, Sebastian Bussmann, Christoph Schäfer, Klaus Vöcking, Henner Berger, Arthur Terörde, Stefan	(54) HYDRAULIC BRAKE FOR BALE WRAP MATERIAL	
(31) 102015121210	(73) Vermeer Manufacturing Company	
(32) 07.12.2015	(72) Talsma, Steven D. Hartwick, Ty	
(33) Germany	(31) 201762544549 P 201762547598 P	
(51) A01D 41/127	(32) 11.08.2017	
(11) EP3348130	18.08.2017	
(21) EP18150716.1	(33) United States of America United States of America	
(47) 07.10.2020	(51) A01F 15/10	
(22) 09.01.2018	(11) EP3545752	
(54) MODEL-BASED PREDICTIVE SPEED CONTROL OF A HARVESTING MACHINE	(21) EP19163868.3 (47) 07.10.2020 (22) 19.03.2019	
(73) Deere & Company	(54) AN AGRICULTURAL BALER	
(72) Münch, Dr. Philipp Pescke, Tobias	(73) CNH Industrial Belgium NV	
(31) 102017200336	(72) Devroe, Jeroen Kindt, Dieter Liefoghe, Dries Rosseel, Bram	
(32) 11.01.2017	(31) 201805215	
(33) Germany	(32) 29.03.2018	
(51) A01D 43/063	(33) Belgium	
(11) EP3469879		

(47) 07.10.2020	(51) A01G 31/06	Ristaniemi, Sami
(87) US2012065768 30.05.2013	A01K 63/04	(51) A01K 13/00
(22) 19.11.2012	(11) EP3552481	A01L 3/00
(54) METHOD FOR GROWING PLANTS USING SILICATE MICROBEADS AND PHOTOSAFENING BY UTILIZATION OF EXOGENOUS GLYCOPYRANOSIDES	(21) EP19177979.2 (47) 07.10.2020 (2) 22.12.2016	(11) EP2774480 (21) EP14158237.9 (47) 07.10.2020 (22) 07.03.2014
(73) Innovation Hammer LLC	(54) AQUAPONICS SYSTEM, AND FISH AND SHELLFISH REARING AND PLANT CULTIVATION METHOD USING THE AQUAPONICS SYSTEM	(54) Shoe for use on animals (73) Equine Fusion AS (72) Revheim, Svein Revheim, Svein Erik Nordhuus, Jørgen
(72) Nonomura, Arthur M.	(73) Horimasa Co., Ltd.	(72) Revheim, Svein Erik Nordhuus, Jørgen
(31) 201161561992 P 201261677515 P	(72) HORI, Masaharu	(31) 20130355
(32) 21.11.2011	(31) 2016022716	(32) 08.03.2013
(31) 07.10.2020	(32) 09.02.2016	(33) Norway
(33) United States of America United States of America	(33) Japan	
(51) A01G 9/24	(51) A01K 1/00	(51) A01K 15/04
F24F 3/14	F24F 5/00	A61M 11/00
F24F 3/153	F24F 6/04	A61M 15/00
F24F 11/00	F24F 6/14	(11) EP3030294
(11) EP2214471	(11) EP3536147	(21) EP14752987.9
(21) EP08846285.8	(21) EP19000102.4	(47) 07.10.2020
(47) 07.10.2020	(47) 07.10.2020	(87) US2014049817
(87) IL2008001449 14.05.2009	(22) 27.02.2019	12.02.2015
(22) 05.11.2008	(54) DEVICE FOR THE AIR CONDITIONING OF STABLES	(22) 05.08.2014
(54) METHOD AND SYSTEM FOR HEATING AND DEHUMIDIFYING	(73) Barnstorfer Kunststofftechnik GmbH & Co. KG	(54) INSUFFLATION APPARATUS (73) MannKind Corporation (72) ADAMO, Benoit LAURENZI, Brendan F. SMUTNEY, Chad C.
(73) State of Israel, Ministry of Agriculture & Rural Development, Agricultural Research Organization (A.R.O.), Volcani Center	(72) Schumacher, Egon	(31) 201361862484 P (32) 05.08.2013 (33) United States of America
(72) ARBEL, Avraham BARAK, Mordechai SHKLYAR, Alexander	(31) 202018001233 U (32) 08.03.2018 (33) Germany	
(31) 996266 P	(51) A01K 1/01	(51) A01K 29/00
(32) 08.11.2007	A01K 1/015	A01K 45/00
(33) United States of America	B01J 20/10	A61N 5/00
(51) A01G 20/20	C01B 33/24	(11) EP3284340
(11) EP2328399	C01F 11/02	(21) EP17184866.6
(21) EP09775607.6	C04B 2/10	(47) 07.10.2020
(47) 07.10.2020	C04B 20/10	(22) 04.08.2017
(87) AT2009000325 04.03.2010	C04B 28/18	(54) REARING METHOD FOR GROWING CATTLE (73) Showa Denko K.K. Hiroshima University (72) Shinoda, Akiko Watanabe, Takashi Sugino, Toshihisa Mon, Mamiko
(22) 24.08.2009	(11) EP3166397	(31) 2016161133
(54) VEGETATION AND SUPPORT LAYER, AND METHOD FOR THE PRODUCTION THEREOF	(21) EP15736275.7 (47) 07.10.2020 (87) EP2015065832 14.01.2016 (22) 10.07.2015	(32) 19.08.2016 (33) Japan
(73) Eichenauer, Thomas	(54) DELAYED REACTIVITY QUICKLIME, PROCESS FOR MANUFACTURING SAME AND USE THEREOF	(51) A01K 67/027
(72) Eichenauer, Thomas	(73) S.A. Lhoist Recherche et Développement	A61K 39/00
(31) 13172008	(72) BLANDIN, Gaetan	A61K 39/395
(32) 26.08.2008	EMMERICH, Jens	A61P 35/00
(33) Austria	CRINIÈRE, Guillaume	C07K 16/22
(51) A01G 23/083	LUCION, Thierry	C07K 16/28
B27L 1/00	(31) 201400529	C07K 16/30
(11) EP2296852	1456679	(11) EP3230320
(21) EP09770489.4	(32) 10.07.2014	(21) EP15816631.4
(47) 07.10.2020	10.07.2014	(47) 07.10.2020
(87) SE2009050797 30.12.2009	(33) Belgium	(87) US2015064626 16.06.2016 (22) 09.12.2015
(22) 23.06.2009	France	(54) NON-HUMAN ANIMALS HAVING A HUMANIZED CLUSTER OF DIFFERENTIATION 274 GENE (73) Regeneron Pharmaceuticals, Inc. (72) BUROVA, Elena
(54) TREE DELIMBING METHOD AND DEVICE	(51) A01K 13/00	
(73) Log Max AB	(11) EP3494781	
(72) ARVIDSSON, Hans	(21) EP17205909.9	
(31) 0801495	(47) 07.10.2020	
(32) 25.06.2008	(22) 07.12.2017	
(33) Sweden	(54) A DEVICE FOR REMOVING DEAD HAIR FROM A SKIN OF A DOG (73) Karhia Innovations Oy (72) Ristaniemi, Markus	

TANG, Yajun	(72) OLLIER, Steven	C12N 5/00
LAI, Ka-Man Venus	(31) 201662340228 P	C12Q 1/00
MURPHY, Andrew J.	(32) 23.05.2016	G01N 33/50
(31) 201462089549 P	(33) United States of America	G01N 33/543
201562106525 P	(51) A01N 1/00	G01N 33/74
(32) 09.12.2014	A01N 35/02	C12N 5/071
22.01.2015	A01N 43/32	A61K 35/28
(33) United States of America	A01N 59/00	A61K 35/39
United States of America	(11) EP3442332	(11) EP2909311
(51) A01K 73/04	(21) EP17724446.4	(21) EP13846713.9
G01S 5/18	(47) 07.10.2020	(47) 07.10.2020
G01S 5/30	(87) IB2017052106	(87) US2013064583
(11) EP2850450	19.10.2017	24.04.2014
(21) EP13734841.3	(22) 12.04.2017	(22) 11.10.2013
(47) 07.10.2020	(54) COMPOSITION FOR CONSERVATION/ FIXATION OF BIOLOGICAL MATERIAL	(54) IMPROVED RELIABILITY OF ASSAYS USING A MULTI-DIVOT PLATFORM AND MULTI-SOURCE, MULTI-CELL TYPE CLUSTERS
(87) IB2013053958	(73) Fantozzi, Andrea	(73) The University of Kansas
21.11.2013	Arcudi, Giovanni	(72) STEHNO-BITTEL, Lisa
(22) 15.05.2013	(72) Fantozzi, Andrea	RAMACHANDRAN, Karthik
(54) TWIN TRAWL GEOMETRY	Arcudi, Giovanni	RAWAL, Sonia
(73) Scantrawl a.s.	(31) UA20162517	(31) 201261715570 P
(72) SKJOLD-LARSEN, Henning	(32) 12.04.2016	(32) 18.10.2012
(31) 20120571	(33) Italy	(33) United States of America
(32) 16.05.2012	(51) A01N 1/02	(51) A01N 1/02
(33) Norway	A61K 9/00	B01L 3/00
(51) A01M 7/00	A61K 9/08	B01L 9/00
(11) EP2835050	A61K 31/05	C12M 1/00
(21) EP14179864.5	A61K 31/167	(11) EP3369315
(47) 07.10.2020	A61K 31/19	(21) EP18162298.6
(22) 05.08.2014	A61K 31/194	(47) 07.10.2020
(54) Agricultural sprayer with spray boom	A61K 31/519	(22) 14.08.2015
(73) Lemken GmbH & Co. KG	A61K 31/7004	(54) HIGH CAPACITY, CLOSED, CRYOPRESERVATION CELL-BANKING SYSTEM AND USE THEREOF
(72) Böging, Michael	A61K 31/7076	(73) Boehringer Ingelheim Animal Health USA Inc.
van den Boom, Marco	A61K 33/06	(72) COUPIER, Hervé François
Büsch, Johannes	A61K 45/06	(31) 201462037181 P
Dibbern, Axel	A61K 47/26	(32) 14.08.2014
Giesen, Gottfried	A61P 9/06	(33) United States of America
Götzen, Nils	A61P 9/10	(51) A01N 25/04
Surborg, Carsten	(11) EP3021856	A01N 37/40
Winnikens, Franz	(21) EP14827107.5	A01N 37/46
(31) 102013108635	(47) 07.10.2020	A01N 43/58
(32) 09.08.2013	(87) AU2014050132	A01N 43/90
(33) Germany	22.01.2015	A01N 47/34
(51) A01M 7/00	(2) 17.07.2014	A01N 51/00
(11) EP3255986	(54) COMPOSITION FOR INDUCING ORGAN ARREST AND PROTECTION, PRESERVATION AND REDUCTION OF TISSUE INJURY	A01N 53/14
(21) EP15766631.4	(73) Hibernation Therapeutics, a KF LLC	A01N 57/20
(47) 07.10.2020	(72) DOBSON, Geoffrey	A01P 7/04
(87) IB2015056030	(31) 2013902656	A01P 13/00
02.06.2016	2013902657	(11) EP3334276
(22) 07.08.2015	2013902658	(21) EP16750175.8
(54) PORTABLE APPARATUS FOR PEST CONTROL AND PROTECTION OF AREAS FROM THE PRESENCE OF INSECTS	2013902659	(47) 07.10.2020
(73) Freezanz System S.r.l. Unipersonale	2013903644	(87) EP2016069096
(72) IACOPONI, Daniele	(32) 17.07.2013	16.02.2017
(31) PI20140025 U	17.07.2013	(22) 11.08.2016
(32) 27.11.2014	17.07.2013	(54) NONAQUEOUS PESTICIDE SUSPENSION COMPRISING A WATER SOLUBLE SOLVENT, AN INORGANIC THICKENER, AND AN ALKOXYLATE
(33) Italy	17.07.2013	(73) BASF SE
(51) A01M 27/00	17.07.2013	(72) XU, Wen
(11) EP3462858	23.09.2013	KRAPP, Michael
(21) EP17728709.1	(33) Australia	TSUN, Galen
(47) 07.10.2020	Australia	MINVIELLE, Marine
(87) US2017033836	Australia	
30.11.2017	Australia	
(22) 22.05.2017	(51) A01N 1/02	
(54) DEVICE AND METHOD FOR MANAGING BIRD POPULATIONS	A61K 48/00	
(73) Ecolab USA Inc.	A61P 37/06	

(31) 201562204818 P	A01N 37/06	(73) Paratek Pharmaceuticals, Inc.
16178325	A01N 37/36	(72) Cvestovich, Raymond
(32) 13.08.2015	A01N 37/44	Warchol, Tadeusz
07.07.2016	A01P 17/00	(31) 128712 P
(33) United States of America	(11) EP3021672	(32) 23.05.2008
European Patent Office (EPO)	(21) EP14826848.5	(33) United States of America
(51) A01N 25/10	(47) 07.10.2020	(51) A01N 37/52
A01N 43/60	(87) US2014046997	C07C 205/38
A01P 1/00	22.01.2015	C07C 217/90
A22B 5/00	(22) 17.07.2014	C07C 257/18
A23B 4/20	(54) INSECT REPELLENT	(11) EP3307707
A23B 5/00	(73) FMC Corporation	(21) EP16732972.1
A23B 9/26	(72) BLACK, Bruce, C.	(47) 07.10.2020
A23L 3/3544	VARANYAK, Linda	(87) EP2016063508
A61L 2/00	SHETH, Shreya	22.12.2016
A61L 2/16	BLANCUZZI, Jeffrey, P.	(22) 13.06.2016
(11) EP3334281	CALDWELL, Nathan, D.	(54) HALOGEN-SUBSTITUTED
(21) EP16750450.5	(31) 201361847805 P	PHENOXYPHENYLAMIDINES AND THE
(47) 07.10.2020	(32) 18.07.2013	USE THEREOF AS FUNGICIDES
(87) EP2016069219	(33) United States of America	(73) Bayer CropScience Aktiengesellschaft
16.02.2017	(51) A01N 37/04	(72) HILLEBRAND, Stefan
(22) 12.08.2016	A01P 1/00	ES-SAYED, Mazen
(54) ANTIMICROBIAL COMPOSITIONS	A01N 65/00	WACHENDORFF-NEUMANN, Ulrike
CONTAINING ALKYLPIRAZINES AND	A01N 65/28	BRUNET, Stephane
THEIR USES	A01N 65/44	(31) 15172107
(73) Roombiotic GmbH	(11) EP3332643	(32) 15.06.2015
(72) LIEBMINGER, Stefan	(21) EP17205722.6	(33) European Patent Office (EPO)
BERG, Gabriele	(47) 07.10.2020	(51) A01N 43/00
LANGE, Laura	(22) 06.12.2017	C07D 471/04
(31) 201514384	(54) BOTANICAL DISINFECTION	(11) EP3377489
(32) 13.08.2015	COMPOSITION, DISINFECTANT AND	(21) EP16790995.1
(33) United Kingdom	PREPARATION METHOD THEREOF	(47) 07.10.2020
(51) A01N 25/10	(73) Zhang, Shuqing	(87) EP2016076493
A01N 43/90	(72) Zhang, Shuqing	26.05.2017
A01P 1/00	(31) 201611116734	(22) 03.11.2016
(11) EP3308646	(32) 07.12.2016	(54) PESTICIDALLY ACTIVE
(21) EP16194036.6	(33) China	HETEROCYCLIC DERIVATIVES
(47) 07.10.2020	(51) A01N 37/08	WITH SULPHUR CONTAINING
(22) 14.10.2016	A01N 37/10	SUBSTITUENTS
(54) PHOTOACTIVABLE BIOCIDAL AND/	A01N 57/02	(73) Syngenta Participations AG
OR BACTERICIDAL MATERIALS AND	A01P 3/00	(72) JUNG, Pierre, Joseph, Marcel
PROCESS FOR MANUFACTURING	A01N 65/40	EDMUNDS, Andrew
SUCH MATERIALS	(11) EP3639663	MUEHLEBACH, Michel
(73) Commissariat à l'Énergie Atomique et	(21) EP19203514.5	JEANGUENAT, André
aux Énergies Alternatives	(47) 07.10.2020	EMERY, Daniel
(72) BERTHELOT, Thomas	(22) 16.10.2019	HALL, Roger, Graham
SOL, Vincent	(54) COMPOSITION AND METHOD FOR	SIKERVAR, Vikas
(51) A01N 25/28	IMPROVING RESISTANCE TO MILDEW	PABBA, Jagadish
A01N 25/34	AND / OR REDUCING WATER UPTAKE	(31) 3735DE2015
A01P 7/04	AND A MATERIAL COMPRISING SAID	201611028887
C12N 1/14	COMPOSITION	(32) 16.11.2015
A01N 63/30	(73) Technische Universität Dresden	24.08.2016
(11) EP3338555	(72) Delenk, Hubertus	(33) India
(21) EP15901798.7	Unbehaun, Holger	India
(47) 07.10.2020	Wagenführ, André	(51) A01N 43/40
(87) RU2015000516	Stange, Stephanie	E21B 10/32
23.02.2017	(31) 102018125851	E21B 44/00
(22) 17.08.2015	(32) 18.10.2018	E21B 49/00
(54) BIOLOGICALLY ACTIVE PREPARATION	(33) Germany	E21B 47/00
COMPRISING MICROCONTAINERS	(51) A01N 37/18	E21B 47/01
FOR PROTECTING PLANTS AGAINST	A61K 31/16	E21B 47/08
PESTS AND METHOD FOR ITS	C07C 237/26	E21B 47/09
PRODUCTION	(11) EP2807926	E21B 47/12
(73) Obshchestvo S Ogranitchennoy	(21) EP14156670.3	(11) EP2746527
Otvetstvennost'yu "Fungi Pak"	(47) 07.10.2020	(21) EP14160393.6
(72) FOKIN, Oleg Viktorovitch	(22) 26.05.2009	(47) 07.10.2020
SEREGIN, Viktor Vladimirovitch	(54) Salts and polymorphs of a tetracycline	(22) 27.06.2009
(51) A01N 37/02	compound	

(54) Drilling tool and method for widening and simultaneously monitoring the diameter of wells and fluid properties	(21) EP15734050.6 (47) 07.10.2020 (87) US2015038473 07.01.2016	(33) Italy
(73) Smart Reamer Drilling Systems Ltd.	(22) 30.06.2015	(51) A22B 3/08
(72) RASHEED, Wajid	(54) PIPERIDINONE HERBICIDES	(11) EP3484299
(31) 0811815	(73) FMC Corporation	(21) EP16736876.0
(32) 27.06.2008	(72) SATTERFIELD, Andrew Duncan	(47) 07.10.2020
(33) United Kingdom	BEREZNAK, James Francis	(87) EP2016066325 11.01.2018
(51) A01N 43/52	CAMPBELL, Matthew James	(22) 08.07.2016
A61K 31/416	(31) 201462020140 P	(54) FISH SLAUGHTER DEVICE AND TRIGGER DEVICE CONFIGURED FOR SAME
A61K 31/4178	(32) 02.07.2014	(73) Nordischer Maschinenbau Rud. Baader GmbH + Co. KG
A61K 31/4184	(33) United States of America	(72) RUSKO, Torsten
A61K 31/437	(51) A01N 59/16	RUNGE, Dirk
A61K 31/4439	B43L 1/00	PAGELS, Mirko
A61K 31/454	B43L 1/06	(51) A22B 7/00
A61K 31/496	B43L 1/10	A22C 21/00
A61K 31/5377	G06F 3/03	(11) EP3545767
A61K 31/541	G06F 3/041	(21) EP19162720.7
A61K 31/551	G06F 3/033	(47) 07.10.2020
C07D 231/56	(11) EP2699427	(22) 14.03.2019
C07D 401/12	(21) EP12729335.5	(54) SYSTEM FOR PLACEMENT OF A SUPPLY OF POULTRY FRONT HALVES IN AN ORDERED SEQUENCE IN A PROCESSING LINE
C07D 401/14	(47) 07.10.2020	(73) Meyn Food Processing Technology B.V.
C07D 403/04	(87) BE2012000019	(72) VAN DER WAAL, Dirk Hermen
C07D 403/12	26.10.2012	ANDEWEG, Peter Martin
C07D 403/14	(22) 19.04.2012	(31) 2020679
C07D 405/12	(54) METHOD FOR MANUFACTURING AN ANTIMICROBIAL ENAMELLED COMMUNICATION PANEL	(32) 28.03.2018
C07D 409/12	(73) Polyvision, Naamloze Vennootschap	(33) Netherlands
C07D 487/04	(72) GYPEN, Leo Albert Julia	(51) A22C 17/00
C07D 487/08	VAN DE BROEK, Wout Bert Katarinus	A22C 17/02
(11) EP2987487	(31) 201100230	A22C 25/08
(21) EP15177852.9	(32) 21.04.2011	A22C 25/18
(47) 07.10.2020	(33) Belgium	B26D 3/16
(22) 09.08.2010	(51) A21C 11/10	B26D 5/02
(54) INDAZOLE INHIBITORS OF THE WNT SIGNAL PATHWAY AND THERAPEUTIC USES THEREOF	B26D 1/06	B26D 5/06
(73) Samumed, LLC	B26D 1/58	B26D 5/08
(72) HOOD, John	B26D 7/08	B26D 5/30
WALLACE, David Mark	(11) EP3305077	B26D 7/01
KC, Sunil Kumar	(21) EP16807349.2	B26D 7/06
(31) 232603 P	(47) 07.10.2020	B26D 7/30
305459 P	(87) JP2016066229	(11) EP3448642
(32) 10.08.2009	15.12.2016	(21) EP17719604.5
17.02.2010	(22) 01.06.2016	(47) 07.10.2020
(33) United States of America	(54) SHAPING METHOD FOR DOUGH PIECES AND SHAPING APPARATUS FOR SAME	(87) EP2017060014 02.11.2017
United States of America	(73) Rheon Automatic Machinery Co., Ltd.	(22) 27.04.2017
(51) A01N 47/44	(72) TOKUHARA, Yuzo	(54) CUTTING MACHINE, AND METHOD FOR CUTTING ELASTIC STRANDS, IN PARTICULAR MEAT STRANDS
A01P 3/00	TANOI, Masaaki	(73) TVI Entwicklung und Produktion GmbH
(11) EP3261444	HOSOYA, Masaki	(72) MAYR, Martin
(21) EP16701155.0	ONOGUCHI, Kazuyoshi	VÖLKL, Thomas
(47) 07.10.2020	(31) 2015115363	(31) 102016107849
(87) EP2016051206	(32) 08.06.2015	(32) 28.04.2016
28.07.2016	(33) Japan	(33) Germany
(22) 21.01.2016	(51) A21D 13/00	(51) A23B 4/005
(54) FUNGICIDAL COMPOSITION EFFECTIVE AGAINST ALTERNARIA ON CITRUS	A21D 13/16	F24C 7/08
(73) Arysta LifeScience Benelux sprl	A21D 13/31	G01K 11/20
(72) RAMAEKERS, Lara	(11) EP3536154	G01N 21/64
(31) 201505036	(21) EP19157087.8	A23L 5/10
(32) 23.01.2015	(47) 07.10.2020	(11) EP3027033
(33) Belgium	(22) 27.01.2015	(21) EP14747924.0
(51) A01N 57/00	(54) A BAKERY PRODUCT	(47) 07.10.2020
C07D 211/76	(73) Unigel S.A.S. di Claudio Zanaglio & C.	(87) EP2014066677
C07D 211/78	(72) ZANAGLIO, Claudio	
C07D 401/04	(31) MI20140107	
C07D 417/04	(32) 28.01.2014	
(11) EP3164386		

05.02.2015	United States of America	A61K 9/20
(22) 04.08.2014	United States of America	A61K 9/48
(54) APPARATUS AND METHOD FOR CONTROLLING FOOD TEMPERATURE	United States of America	A61K 36/67
(73) Koninklijke Philips N.V.	(51) A23D 9/007	A61P 1/14
(72) SUN, Ming	A61K 36/889	A61P 1/16
YIN, Bin	A61P 25/28	A23L 33/105
KARAKAYA, Koray	A23L 33/105	(11) EP3405207
LI, Qing	A23L 33/115	(21) EP17706271.8
(31) PCT/CN2013/080684	(11) EP3057437	(47) 07.10.2020
13186273	(21) EP14852863.1	(87) FR2017050088
(32) 02.08.2013	(47) 07.10.2020	27.07.2017
27.09.2013	(87) MY2014000252	(22) 16.01.2017
(33) World Intellectual Property Office (WIPO)	16.04.2015	(54) DETOXIFYING COMPOSITION FOR ORAL ADMINISTRATION AND METHOD FOR PREPARING SAME
European Patent Office (EPO)	(22) 10.10.2014	(73) Hay, Ly Eang
(51) A23B 9/30	(54) PROTECTIVE EFFECTS OF OIL PALM COMPOSITION ON ALZHEIMER'S DISEASE	(72) Hay, Ly Eang
C08B 30/02	(73) Malaysian Palm Oil Board	(31) 1650470
C08B 30/04	(72) WEINBERG, Robert P.	(32) 21.01.2016
C08B 31/18	RHA, Chokyun	(33) France
C12C 1/047	SINSKEY, Anthony J.	(51) A23L 3/00
(11) EP2152096	TAN, Yew Ai	A23L 3/36
(21) EP08719350.4	SAMBANTHAMURTHI, Ravigadevi	B05B 1/00
(47) 07.10.2020	(31) PI2013003739	B05B 1/14
(87) IB2008000672	(32) 11.10.2013	F25D 13/06
17.07.2008	(33) Malaysia	(11) EP3513661
(22) 11.01.2008	(51) A23F 5/16	(21) EP17910495.5
(54) METHOD FOR TREATING RAW AND PROCESSED GRAINS	A47J 31/06	(47) 07.10.2020
(73) GIANT TRADING INC	A47J 31/44	(87) CN2017117616
(72) KIRKPATRICK, Robin, Duncan	(11) EP3562357	06.06.2019
SPEAKMAN, Nickolas	(21) EP17825257.3	(22) 21.12.2017
(31) 972717	(47) 07.10.2020	(54) ELONGATED FUNNEL-SHAPED JET NOZZLE STRUCTURE
884664 P	(87) EP2017084582	(73) Shanghai Ocean University
(32) 11.01.2008	05.07.2018	(72) XIE, Jing
12.01.2007	(22) 26.12.2017	LIU, Yuyan
(33) United States of America	(54) COFFEE BREWING	WANG, Jinfeng
United States of America	(73) Koninklijke Philips N.V.	(31) 201711246807
(51) A23D 7/005	(72) ZUIDERVAART, Jasper	(32) 01.12.2017
A23D 7/04	TE VELDE, Mart, Kornelis-Jan	(33) China
A23L 27/30	MARRA, Johannes	(51) A23L 3/3409
A23L 33/17	WIJNOLTZ, Anna, Louise	F25D 17/04
(11) EP3199033	HAEX, Nicole, Petronella, Martien	F25D 25/02
(21) EP16203927.5	WILLARD, Nicolaas, Petrus	F25D 29/00
(47) 07.10.2020	(31) 16207408	(11) EP3399259
(22) 17.11.2006	(32) 29.12.2016	(21) EP16880602.4
(54) NATURAL HIGH-POTENCY SWEETENER COMPOSITIONS WITH IMPROVED TEMPORAL PROFILE AND/OR FLAVOR PROFILE, METHODS FOR THEIR FORMULATION, AND USES	(33) European Patent Office (EPO)	(47) 07.10.2020
(73) The Coca-Cola Company	(51) A23G 4/10	(87) CN2016095267
(72) Prakash, Indra	(11) EP3041364	06.07.2017
Dubois, Grant E.	(21) EP14786999.4	(22) 15.08.2016
Jella, Prashanthi	(47) 07.10.2020	(54) FRESH FOOD DRAWER AND REFRIGERATOR USING THE SAME
King, George A.	(87) FR2014052160	(73) Qingdao Haier Joint Stock Co., Ltd
San Miguel, Rafael I.	05.03.2015	(72) FEI, Bin
Sepcic, Kelly H.	(22) 02.09.2014	LU, Riyong
Weerasinghe, Deepthi K.	(54) USE OF AN ANTI-CAKING AGENT FOR IMPROVING THE HARDNESS OF CHEWING-GUM CONTAINING MALTITOL IN A POWDERY FORM	LIU, Jinlin
White, Newton R.	(73) Roquette Frères	ZHU, Xiaobing
(31) 739302 P	(72) ORTIZ DE ZARATE, Dominique	(31) 201511023130
805209 P	LIS, José	(32) 29.12.2015
805216 P	RIBADEAU-DUMAS, Guillaume	(33) China
556113	(31) 1358381	(51) A24C 5/34
(32) 23.11.2005	(32) 02.09.2013	G01N 1/24
19.06.2006	(33) France	G01N 5/00
19.06.2006	(51) A23L 2/52	(11) EP3399298
02.11.2006	A61K 9/00	(21) EP16881178.4
(33) United States of America	A61K 9/14	(47) 07.10.2020
	A61K 9/16	(87) CN2016112391
		06.07.2017

(22) 27.12.2016	LIN, Guangrong	(22) 24.02.2017
(54) SMOKING MACHINE FOR ELECTRONIC CIGARETTE	(31) 201610518211	(54) SYSTEM AND METHODS FOR GARMENT ACCESSORIZING
(73) Shanghai Tobacco Group Co., Ltd.	(32) 01.07.2016	(73) Gibbons, Michael P.
(72) ZHANG, Yichun	(33) China	(72) Gibbons, Michael P.
SHEN, Yi	(51) A24F 47/00	(31) 201615053706
ZHENG, Saijing	(11) EP3367830	(32) 25.02.2016
YANG, Jing	(21) EP16798651.2	(33) United States of America
CHEN, Chao	(47) 07.10.2020	
GAO, Yihan	(87) EP2016075739	(51) A41H 1/02
ZHENG, Aiqun	04.05.2017	A41H 3/00
(31) 201511027728	(22) 26.10.2016	(11) EP3251536
201521136486 U	(54) ARTICLE FOR USE WITH APPARATUS FOR HEATING SMOKABLE MATERIAL	(21) EP17173654.9
(32) 31.12.2015	(73) British American Tobacco (Investments) Limited	(47) 07.10.2020
31.12.2015	(72) BLANDINO, Thomas, P.	(22) 31.05.2017
(33) China	WILKE, Andrew, P.	(54) METHOD AND SYSTEM FOR THE MANUFACTURE OF A PIECE OF APPAREL
China	FRATER, James, J.	(73) Adidas AG
(51) A24D 3/04	PAPROCKI, Benjamin, J.	(72) COLAIANNI, Matteo
(11) EP3242569	(31) 201514927532	SIEGL, Christian
(21) EP15817287.4	(32) 30.10.2015	HILL, Jan
(47) 07.10.2020	(33) United States of America	WILHELMI, Anna
(87) EP2015080642	(51) A41C 3/00	SUESSMUTH, Jochen, Björn
14.07.2016	A41C 3/10	O'MAHONY, David
(22) 18.12.2015	A41C 3/14	LOTT, Christian
(54) VARIABLE PRESSURE DROP SMOKING ARTICLE	A41F 15/00	(31) 102016209675
(73) JT International SA	(11) EP3284356	(32) 02.06.2016
(72) MATSUURA, Yoshihiro	(21) EP17194438.2	(33) Germany
TRITZ, Franz-Josef	(47) 07.10.2020	(51) A42B 3/04
(31) 15150264	(22) 18.08.2014	A42B 3/30
(32) 07.01.2015	(54) ATHLETIC BRA	(11) EP3508087
(33) European Patent Office (EPO)	(73) HBI Branded Apparel Enterprises, LLC	(21) EP19150858.9
(51) A24F 13/00	(72) BLACK, Karen, L.	(47) 07.10.2020
A45F 5/00	BROWN, Jewel, L.	(22) 08.01.2019
A45F 5/02	(31) 201313971931	(54) HELMET WITH INTEGRATED CIRCUIT LAYER
(11) EP2582256	(32) 21.08.2013	(73) Wilcox Industries Corp.
(21) EP11726936.5	(33) United States of America	(72) TEETZEL, James W.
(47) 07.10.2020	(51) A41D 13/015	BOUSQUET, John P.
(87) GB2011051147	A42B 3/12	LEMIRE, Gary M.
29.12.2011	A63B 71/10	(31) 201862614765 P
(22) 20.06.2011	B60R 21/04	(32) 08.01.2018
(54) A SMOKER'S ACCESSORY	(11) EP3478111	(33) United States of America
(73) Ahmet, Ulu Ozturk	(21) EP17740640.2	(51) A42B 3/06
(72) Ahmet, Ulu Ozturk	(47) 07.10.2020	A42B 3/12
(31) 201010372	(87) EP2017066233	(11) EP3541221
(32) 21.06.2010	04.01.2018	(21) EP18822165.9
(33) United Kingdom	(22) 30.06.2017	(47) 07.10.2020
(51) A24F 23/00	(54) ANISOTROPIC COMPOSITE STRUCTURE AND LINER	(87) SE2018051301
(11) EP3289893	AND USE OF AND METHOD OF PRODUCING SUCH A STRUCTURE	27.06.2019
(21) EP16186544.9	(73) Katholieke Universiteit Leuven	(22) 12.12.2018
(47) 07.10.2020	(72) IVENS, Jan	(54) PROTECTIVE DEVICE
(22) 31.08.2016	MOSLEH, Yasmine	(73) Kleiven, Svein
(54) CONTAINER FOR A TOBACCO RELATED PRODUCT	(31) 201611459	(31) 1751565
(73) Reemtsma Cigarettenfabriken GmbH	201620806	(32) 18.12.2017
(72) Rehders, Thorben	201620807	(33) Sweden
(51) A24F 40/05	(32) 30.06.2016	(51) A42B 3/06
(11) EP3479705	07.12.2016	A42B 3/28
(21) EP17819102.9	07.12.2016	(11) EP3420833
(47) 07.10.2020	(33) United Kingdom	(21) EP18180207.5
(87) CN2017088464	United Kingdom	(47) 07.10.2020
04.01.2018	United Kingdom	(22) 27.06.2018
(22) 15.06.2017	United Kingdom	(54) PROTECTIVE HELMET WITH INTEGRATED ROTATIONAL LIMITER
(54) ELECTRONIC CIGARETTE ATOMIZER USING ULTRASONIC ATOMIZATION UNIT	(51) A41D 27/08	(73) Bell Sports, Inc.
(73) Lin, Guangrong	(11) EP3210484	(72) SHAFFER, Samuel J.
(72) ZHENG, Xianbin	(21) EP17157783.6	BUSSE, Mark A.
	(47) 07.10.2020	RAMIREZ, Rafael T.

BRIGGS, Eamonn	(22) 15.03.2017	(47) 07.10.2020
(31) 201715638257	(54) HOMING MECHANISM FOR	(22) 28.01.2019
(32) 29.06.2017	AUTOMATED FOOTWEAR PLATFORM	(54) INNER SOLE FOR A SPORTS
(33) United States of America	(73) NIKE Innovate C.V.	FOOTWEAR, IN PARTICULAR FOR A
(51) A42B 3/14	(72) SCHNEIDER, Summer L.	SKI BOOT
G02B 27/01	KELSO, Jamie	(73) Tecnica Group S.p.A.
G02C 3/00	CHANG, Narissa	(72) BORDIN, Paolo
(11) EP3396436	(31) 201662308728 P	MOGNO, Alfio
(21) EP18162947.8	(32) 15.03.2016	ZAMPIERI, Claudio
(47) 07.10.2020	(33) United States of America	(31) 201800002477
(22) 20.03.2018	(51) A43B 3/24	(32) 07.02.2018
(54) HEAD-MOUNTED DISPLAY DEVICE	A43B 23/24	(33) Italy
(73) HTC Corporation	A43C 11/06	(51) A43B 7/00
(72) Wen, Hung Chuan	A44B 17/00	A43B 23/00
Liu, Chien-Hsin	(11) EP3565428	D04H 1/56
Wei, Chang-Hua	(21) EP18701509.4	D04H 3/16
(31) 201762475896 P	(47) 07.10.2020	D04H 1/4374
(32) 24.03.2017	(87) FR2018050001	D04H 1/76
(33) United States of America	12.07.2018	D04H 3/07
(51) A43B 1/04	(22) 02.01.2018	B29D 35/00
A43B 9/02	(54) FOOTWEAR ITEM, ASSOCIATED	(11) EP3327191
A43B 13/02	PRODUCTION METHOD AND	(21) EP17203193.2
A43B 13/12	ASSEMBLY COMPRISING SUCH A	(47) 07.10.2020
A43B 23/02	FOOTWEAR ITEM	(22) 23.11.2017
D04B 1/12	(73) Cabaret, Morgane	(54) MANUFACTURING OF NON-WOVEN
D04B 1/16	(72) Cabaret, Morgane	FABRICS INCLUDING A COMPONENT
B29D 35/06	(31) 1750161	(73) adidas AG
(11) EP3537912	(32) 09.01.2017	(72) TARRIER, James
(21) EP17808665.8	(33) France	HOYING, Brian
(47) 07.10.2020	(51) A43B 5/00	DRURY, David John
(87) US2017060934	A43B 13/04	COCKING, Daniel Paul
17.05.2018	A43B 13/14	HENWOOD, Tom
(22) 09.11.2017	C08L 23/22	SEEFRIED, Andreas Johannes
(54) TEXTILES AND ARTICLES, AND	(11) EP3466289	(31) 102016223571
PROCESSES FOR MAKING THE SAME	(21) EP18190830.2	(32) 28.11.2016
(73) Nike Innovate C.V.	(47) 07.10.2020	(33) Germany
(72) ADAMI, Giovanni	(22) 24.08.2018	(51) A43B 23/02
AMIS, Sam	(54) CHEMICAL COMPOSITION FOR THE	A43B 23/04
CAVALIERE, Sergio	MANUFACTURE OF CLIMBING SHOE	A43D 13/00
GREEN, Jessica	SOLES	A43D 25/07
HIPP, Stephen	(73) JV International S.r.l.	B29D 35/12
HURD, John	(72) MERLO, Ambrogio	(11) EP3332662
MOLYNEUX, James	(31) 201700111150	(21) EP17204332.5
RUSHBROOK, Thomas J.	(32) 04.10.2017	(47) 07.10.2020
SMITH, Timothy J.	(33) Italy	(22) 29.11.2017
WINCEK, Christianna	(51) A43B 5/04	(54) METHOD OF MANUFACTURING A
(31) 201662419832 P	A43B 5/16	FULLY FORMED UPPER
201662419841 P	A43B 7/28	(73) Adidas AG
201662419851 P	A43B 23/07	(72) BAUER, Ulrich
201662419824 P	(11) EP3081108	JEANDIN, Eric
(32) 09.11.2016	(21) EP16163111.4	(31) 102016224240
09.11.2016	(47) 07.10.2020	(32) 06.12.2016
09.11.2016	(22) 31.03.2016	(33) Germany
09.11.2016	(54) CUSTOMIZABLE FOOTWEAR AND	(51) A44B 15/00
(33) United States of America	METHOD FOR THE CUSTOMIZATION	(11) EP3427606
United States of America	OF A FOOTWEAR	(21) EP18182620.7
United States of America	(73) Tecnica Group S.p.A.	(47) 07.10.2020
United States of America	(72) MARTINAZZO, Ivan	(22) 10.07.2018
(51) A43B 3/00	QUAGLIOTTO, Silvio	(54) DUAL-ENTRY KEYRING
A43C 7/08	(31) TO20150217	(73) Haos Co., Ltd.
A43C 11/00	(32) 15.04.2015	(72) HUANG, Chi-Chao
A43C 11/14	(33) Italy	(31) 106123124
A43C 11/16	(51) A43B 5/04	(32) 11.07.2017
(11) EP3429411	A43B 17/00	(33) Taiwan, Province of China
(21) EP17767426.4	A43B 17/06	(51) A44B 18/00
(47) 07.10.2020	B29D 35/12	A61F 13/62
(87) US2017022500	(11) EP3524079	B29C 43/22
21.09.2017	(21) EP19153978.2	B29C 43/26

(11) EP3395194	Man, Tal	H04M 1/04
(21) EP16878030.2	(31) 201361842973 P	(11) EP3506609
(47) 07.10.2020	(32) 04.07.2013	(21) EP18214732.2
(87) JP2016072654	(33) United States of America	(47) 07.10.2020
29.06.2017	(51) A45B 19/00	(22) 20.12.2018
(22) 02.08.2016	A45B 19/10	(54) PORTABLE MULTIMEDIA EQUIPMENT
(54) MOLDED SURFACE FASTENER	A45B 25/22	GRIPPING DEVICE
MANUFACTURING METHOD AND	(11) EP3481247	(73) De Roma, Angelo
MOLDING DEVICE	(21) EP17749523.1	Rizzo, Cristian
(73) YKK Corporation	(47) 07.10.2020	(72) De Roma, Angelo
(72) FUKUHARA, Yoshiyuki	(87) IB2017054024	Rizzo, Cristian
TAKADA, Yuji	11.01.2018	(31) 201700148035
(31) PCT/JP2015/086076	(22) 04.07.2017	(32) 21.12.2017
PCT/JP2016/062281	(54) FOLDABLE ARTICULATED ARM	(33) Italy
(32) 24.12.2015	(73) PLV S.r.l.	(51) A46B 9/02
18.04.2016	(72) GIUFFRIDA, Luca	A46B 9/04
(33) World Intellectual Property Office (WIPO)	(31) 201600070523 U	A46B 13/00
World Intellectual Property Office (WIPO)	(32) 06.07.2016	A46B 13/02
(51) A44B 19/02	(33) Italy	A61C 3/06
A44B 19/06	(51) A45C 5/02	A61C 17/14
A44B 19/08	A45D 44/00	A61C 17/22
A44B 19/14	G06Q 30/02	B24B 29/00
A44B 19/24	G06Q 30/06	B24D 13/14
A44B 19/46	G16C 20/30	(11) EP3527106
B21D 53/52	(11) EP3389439	(21) EP19155895.6
B21F 45/18	(21) EP16816261.8	(47) 07.10.2020
(11) EP3045068	(47) 07.10.2020	(22) 07.02.2019
(21) EP13892872.6	(87) EP2016081366	(54) SANDING OR POLISHING BRUSH
(47) 07.10.2020	22.06.2017	(73) EVE Ernst Vetter GmbH
(87) JP2013074282	(22) 16.12.2016	(72) VETTER, Dennis
12.03.2015	(54) METHOD AND DATA PROCESSING	(31) 102018001162
(22) 09.09.2013	DEVICE FOR THE COMPUTER-	(32) 14.02.2018
(54) FASTENER CHAIN, SLIDE FASTENER,	ASSISTED DETERMINATION OF A	(33) Germany
AND FASTENER ELEMENT	HAIR DYEING AGENT FOR DYEING	(51) A46B 15/00
MANUFACTURING METHOD	HAIR IN A DESIRED HAIR COLOR	A61C 17/22
(73) YKK Corporation	AND DEVICE FOR PRODUCING AN	A61C 17/34
(72) ISHII, Hayato	INDIVIDUALLY DETERMINED HAIR	(11) EP3191014
KOZATO, Futoshi	DYEING AGENT	(21) EP15840139.8
SAITO Tsutomu	(73) Henkel AG & Co. KGaA	(47) 07.10.2020
YAMAGATA, Masamichi	(72) KNÜBEL, Georg	(87) IB2015056257
DIRK, Engelhardt	(31) 102015225459	17.03.2016
GUNTHER, Reinke	(32) 16.12.2015	(22) 17.08.2015
(51) A44B 19/36	(33) Germany	(54) ELECTRIC TOOTHBRUSH MODULE
A44B 19/42	(51) A45D 1/18	(73) J.T. Labs Limited
A44B 19/60	A45D 20/50	(72) WONG, Tit Shing
(11) EP3332664	A45D 20/52	TANG, Siu Wai
(21) EP15900417.5	A45D 24/22	CHEUNG, Kwok Yau
(47) 07.10.2020	(11) EP3530139	WONG, Sui Kay
(87) JP2015072264	(21) EP18158391.5	(31) 201414481656
09.02.2017	(47) 07.10.2020	(32) 09.09.2014
(22) 05.08.2015	(22) 23.02.2018	(33) United States of America
(54) FASTENER STRINGER, SLIDE	(54) HAIRDRESSING APPARATUS	(51) A47B 5/00
FASTENER, AND STAKING MACHINE	(73) Kan Holding AS	A47B 5/04
(73) YKK Corporation	(72) NILSEN, Kåre A.	B64D 11/06
(72) DEMURA, Yoshihiro	(51) A45D 29/00	(11) EP3283378
(51) A44C 13/00	(11) EP3089614	(21) EP16720995.6
A44C 25/00	(21) EP13900781.9	(47) 07.10.2020
(11) EP3016538	(47) 07.10.2020	(87) AT2016050098
(21) EP14820613.9	(87) FI2013051215	20.10.2016
(47) 07.10.2020	09.07.2015	(22) 15.04.2016
(87) IL2014050581	(22) 31.12.2013	(54) FOLDING TABLE
08.01.2015	(54) SYSTEM AND METHOD FOR A NAIL	(73) FACC AG
(22) 01.07.2014	MANIPULATION	(72) ENZINGER, Sindhuja-Cheema
(54) JEWELRY WITH INTERCHANGEABLE	(73) Finails OY	KONRAD, Wilfried Johann
DECORATIVE ELEMENTS	(72) PAPSHEV, Andrei	(31) 502992015
(73) Berka, Ronen	PITKÄNEN, Temmo	(32) 15.04.2015
Man, Tal	(51) A45F 5/00	(33) Austria
(72) Berka, Ronen		(51) A47B 31/02

B64D 11/00	A47C 1/0355	CHEN, Jing
B64D 11/04	(11) EP3441055	(31) 201762504815 P
B64D 13/06	(21) EP18186907.4	201715724982
F25D 19/00	(47) 07.10.2020	(32) 11.05.2017
(11) EP3323723	(22) 01.08.2018	04.10.2017
(21) EP17185624.8	(54) A CHAIR-SHAPED SPINAL CORD	(33) United States of America
(47) 07.10.2020	TRACTION DEVICE	United States of America
(22) 09.08.2017	(73) Minato Medical Science Co., Ltd.	(51) A47J 27/04
(54) CHILLER GALLEY CART, GALLEY, AND	(72) SAITO, Fumiaki	A47J 27/086
METHOD FOR COOLING	SAKURAI, Hiroki	(11) EP3043686
(73) The Boeing Company	(31) 2017153603	(21) EP14836083.7
(72) Singleton, Christopher	(32) 08.08.2017	(47) 07.10.2020
Lee, Joshua Yu-Hu	(33) Japan	(87) US2014051116
(31) 201615354099	(51) A47C 7/18	19.02.2015
(32) 17.11.2016	B60N 2/62	(22) 14.08.2014
(33) United States of America	B60N 2/64	(54) VAPOR GENERATOR INCLUDING
(51) A47B 77/02	B60N 2/66	WIRE MESH HEATING ELEMENT
A47B 96/18	B60N 2/70	(73) De Luca Oven Technologies, LLC
B32B 3/02	(11) EP3274214	(72) DE LUCA, Nicholas P.
B32B 5/18	(21) EP16754711.6	(31) 201361865610 P
B32B 7/12	(47) 07.10.2020	(32) 14.08.2013
B32B 9/00	(87) CA2016050199	(33) United States of America
B32B 17/00	01.09.2016	(51) A47J 27/08
B32B 27/40	(22) 26.02.2016	A47J 27/09
(11) EP3332962	(54) VEHICULAR SEAT ELEMENT	(11) EP3536199
(21) EP15900296.3	(73) Propriect L.P.	(21) EP17876662.2
(47) 07.10.2020	(72) STANCIU, Romeo	(47) 07.10.2020
(87) ES2015070615	BECKE, Lawrence Stephen	(87) CN2017108939
09.02.2017	WEIERSTALL, Mark Donald	07.06.2018
(22) 06.08.2015	(31) 201562121687 P	(22) 01.11.2017
(54) COMPOSITE BUILDING ELEMENT	(32) 27.02.2015	(54) SPLIT-TYPE ELECTRIC PRESSURE
(73) Pear Panel, Sociedade Unipessoal, Lda.	(33) United States of America	COOKER
(72) AREIAS, Rui	(51) A47C 17/38	(73) Foshan Shunde Midea Electrical Heating
(31) 201531156	A47C 17/46	Appliances Manufacturing Co., Ltd.
(32) 03.08.2015	A47C 17/52	(72) PENG, Feng
(33) Spain	(11) EP3033973	YANG, Xingguo
(51) A47B 95/00	(21) EP15199693.1	MO, Rongkang
(11) EP3622857	(47) 07.10.2020	(31) 201611110267
(21) EP18193741.8	(22) 12.12.2015	201621316295 U
(47) 07.10.2020	(54) FURNITURE ITEM WITH	(32) 02.12.2016
(22) 11.09.2018	INCORPORATED BED	02.12.2016
(54) DEVICE AND METHOD FOR	(73) Pessotto S.A.S.	(33) China
MOUNTING AN ITEM TO A VERTICAL	(72) Pessotto, Gianfranco	China
SURFACE	(31) TV20140169	(51) A47J 31/36
(73) Svedbergs i Dalstorp AB	(32) 17.12.2014	A47J 31/46
(72) Jakobsson, Daniel	(33) Italy	(11) EP3525634
Rundgren, Caroline	(51) A47C 21/04	(21) EP17780431.7
Lindgren, Marcus	(11) EP3427613	(47) 07.10.2020
Junkell, Fredrik	(21) EP17001202.5	(87) EP2017075726
(51) A47C 1/02	(47) 07.10.2020	19.04.2018
F16F 9/12	(22) 13.07.2017	(22) 10.10.2017
F16F 9/30	(54) DEVICE FOR SUPPLYING	(54) LIQUID DISPENSING MACHINE WITH
(11) EP3225873	RESPIRATORY AIR TO A	SPEED REGULATOR
(21) EP15862300.9	RESPIRATORY AIR AREA	(73) Société des Produits Nestlé S.A.
(47) 07.10.2020	(73) Avea Capital Ltd.	(72) BOURGUND, Hervé
(87) JP2015082699	(72) Mark, Ital	FONTBONNE, Luc
02.06.2016	(51) A47G 9/02	RITHENER, Blaise
(22) 20.11.2015	A47G 9/10	VINCENT, Pierre-Emmanuel
(54) DAMPER AND METHOD FOR	(11) EP3621495	(31) 16193323
MANUFACTURING DAMPER	(21) EP18704375.7	(32) 11.10.2016
(73) Nifco Inc.	(47) 07.10.2020	(33) European Patent Office (EPO)
(72) MURANAKA, Makoto	(87) US2018015247	(51) A47J 31/36
(31) 2014240183	15.11.2018	A47J 31/46
(32) 27.11.2014	(22) 25.01.2018	(11) EP3525636
(33) Japan	(54) EXPANDABLE BED PILLOW	(21) EP17780430.9
(51) A47C 1/032	(73) Standard Fiber, LLC	(47) 07.10.2020
A61H 1/00	(72) HOLBROOK, Russ	(87) EP2017075724
A61H 1/02	CHAN, Chun Leung	19.04.2018

(22) 10.10.2017	(54) KITCHEN APPLIANCE COMPRISING A CONTAINER WITH A COUPLING SYSTEM	LABERGE, Kevin, Leon REISER, John, Matthew GAFFORD, Gilbert, Darrell
(54) LIQUID DISPENSING MACHINE WITH DROP STOP		
(73) Société des Produits Nestlé S.A.	(73) BSH Hausgeräte GmbH	(51) A47K 13/26
(72) BOURGUND, Hervé	(72) Zilnik, Marko	E03D 9/08
FONTBONNE, Luc	Koscak, Ales	(11) EP3284378
RITHENER, Blaise	Orbanic, Henri	(21) EP17186458.0
VINCENT, Pierre-Emmanuel	(51) A47J 43/08	(47) 07.10.2020
(31) 16193320	B01F 7/30	(22) 16.08.2017
(32) 11.10.2016	(11) EP3503782	(54) SANITARY WASHING APPARATUS
(33) European Patent Office (EPO)	(21) EP17748739.4	(73) TOTO LTD.
(51) A47J 31/44	(47) 07.10.2020	(72) ROKUTA, Tomomi
(11) EP3446602	(87) EP2017069629	ASHIHARA, Akihiro
(21) EP17187523.0	01.03.2018	KAWAZU, Yukari
(47) 07.10.2020	(22) 03.08.2017	SUETSUGU, Tomoaki
(22) 23.08.2017	(54) TRANSMISSION UNIT FOR A FOOD PROCESSOR	MOCHITA, Masayuki
(54) RESIDUAL WATER CONTAINER FOR A DEVICE FOR BEVERAGE PREPARATION AND DEVICES FOR BEVERAGE PREPARATION	(73) BSH Hausgeräte GmbH	(31) 2016160201
(73) JURA Elektroapparate AG	(72) KOVACIC, Peter	(32) 17.08.2016
(72) RÜTTI, Pascal	CATER, Matej	(33) Japan
BÜTTIKER, Philipp	STROJANSEK, Aleksander	(51) A47L 5/22
(51) A47J 37/12	(31) 102016216108	A47L 11/34
B01D 29/11	(32) 26.08.2016	A47L 11/40
B01D 29/60	(33) Germany	(11) EP2949254
B01D 29/76	(51) A47J 45/07	(21) EP15172790.6
B01D 29/94	(11) EP3108784	(47) 07.10.2020
B01D 33/76	(21) EP15837204.5	(22) 27.02.2012
B01D 35/16	(47) 07.10.2020	(54) LIFT OFF DEEP CLEANER
(11) EP3639904	(87) CN2015000545	(73) Bissell Homecare, Inc.
(21) EP19020573.2	22.09.2016	(72) Lenkiewicz, Kenneth M.
(47) 07.10.2020	(22) 04.08.2015	(31) 201161447814 P
(22) 14.10.2019	(54) DETACHABLE HANDLE	(32) 01.03.2011
(54) FILTER SYSTEM FOR CLEANING LIQUIDS	(73) ZHEJIANG NOVIA INDUSTRY & TRADE CO., LTD	(33) United States of America
(73) Pfeffer, Ulrich	(72) HU, Huacheng	(51) A47L 5/38
(72) Pfeffer, Ulrich	PAN, Guoxiang	A47L 9/00
(31) 102018125870	(31) 201510112419	A47L 9/24
(32) 18.10.2018	(32) 16.03.2015	(11) EP2534989
(33) Germany	(33) China	(21) EP12172218.5
(51) A47J 43/044	(51) A47K 5/16	(47) 07.10.2020
A47J 43/06	(11) EP3324805	(22) 15.06.2012
A47J 43/07	(21) EP16745969.2	(54) Central vacuum cleaner assembly
A47J 43/08	(47) 07.10.2020	(73) ZentorgA Zentralstaubsauganlagen GmbH
A47J 44/00	(87) US2016043574	(72) Gahleitner, Günther
(11) EP3503778	26.01.2017	Ortner, Ewald
(21) EP17754646.2	(22) 22.07.2016	(31) 8772011
(47) 07.10.2020	(54) DISPOSABLE SOAP DISPENSER	(32) 16.06.2011
(87) EP2017069617	(73) Schalitz, William, J.	(33) Austria
01.03.2018	Verma, Vishaal B.	(51) A47L 11/14
(22) 03.08.2017	(72) Schalitz, William, J.	(11) EP3082544
(54) FOOD PROCESSOR AND METHOD FOR OPERATING A FOOD PROCESSOR	Verma, Vishaal B.	(21) EP13810960.8
(73) BSH Hausgeräte GmbH	(31) 201562195841 P	(47) 07.10.2020
(72) BRECKO, Ales	(32) 23.07.2015	(87) EP2013077378
CATER, Matej	(33) United States of America	25.06.2015
STROJANSEK, Aleksander	(51) A47K 7/00	(22) 19.12.2013
(31) 102016216100	A47K 10/16	(54) ROBOTIC VACUUM CLEANER WITH SIDE BRUSH MOVING IN SPIRAL PATTERN
(32) 26.08.2016	D21H 27/00	(73) Aktiebolaget Electrolux
(33) Germany	(11) EP3302200	(72) HAEGERMARCK, Anders
(51) A47J 43/046	(21) EP15894407.4	(51) A47L 11/30
A47J 43/08	(47) 07.10.2020	A47L 11/40
(11) EP3517001	(87) US2015033175	(11) EP3501363
(21) EP18153659.0	08.12.2016	(21) EP18211339.9
(47) 07.10.2020	(22) 29.05.2015	(47) 07.10.2020
(22) 26.01.2018	(54) HIGHLY DURABLE TOWEL COMPRISING NON-WOOD FIBERS	(22) 10.12.2018
	(73) Kimberly-Clark Worldwide, Inc.	(54) SURFACE CLEANING APPARATUS
	(72) SHANNON, Thomas, Gerard	(73) Bissell Homecare, Inc.
	UNDERHILL, Richard, Louis	

(72) Xia, Jincheng Ge, Jianjun Yin, Zhenjiang Chen, Xin Liang, Yongsheng Tam, Kin-leung Li, Min Li, Feng Chun	(54) Dishwasher with a manually adjustable rinsing programme	A47L 15/23 A47L 15/42
(31) 201715850928	(73) BSH Hausgeräte GmbH	(11) EP3030131
(32) 21.12.2017	(72) Jerg, Helmut	(21) EP14747560.2
(33) United States of America	Reiter, Andreas	(47) 07.10.2020
(51) A47L 11/34	Rosenbauer, Michael Georg	(87) EP2014066079
A47L 13/22	(31) 102010039611	12.02.2015
(11) EP2671493	(32) 20.08.2010	(22) 25.07.2014
(21) EP13170218.5	(33) Germany	(54) A DISHWASHER WITH IMPROVED WASHING EFFECTIVENESS
(47) 07.10.2020	(51) A47L 15/00	(73) Arçelik Anonim Sirketi
(22) 03.06.2013	A47L 15/42	(72) GURSOY, Hasret
(54) Surface cleaning apparatus	(11) EP3311723	ATABEY, Orhan
(73) Bissell Homecare, Inc.	(21) EP17201005.0	UNVERDI, Uygur
(72) Kellis, Jay M.	(47) 07.10.2020	BASARAN, Fatih
Haley, Kevin	(22) 11.03.2015	(31) 201309559
Scholten, Jeffrey A.	(54) DISHWASHER IN THE FORM OF A COMMERCIAL UTENSIL WASHER OR DISHWASHER WHICH IS DESIGNED AS A BATCH DISHWASHER	(32) 06.08.2013
White, Joseph M.	(73) Illinois Tool Works Inc.	(33) Turkey
(31) 201261655289 P	(72) Berner, Dietrich	(51) A47L 15/23
(32) 04.06.2012	Disch, Harald	(11) EP3558084
(33) United States of America	Schrempp, Martin	(21) EP16819065.0
(51) A47L 11/40	(31) 102014204678	(47) 07.10.2020
B05B 1/16	102015203132	(87) EP2016081869
B05B 9/01	102015203133	28.06.2018
B08B 3/02	102015203129	(22) 20.12.2016
B08B 13/00	102015203127	(54) WASHING LIQUID DISTRIBUTION DEVICE FOR A DISHWASHER
(11) EP3212341	(32) 13.03.2014	(73) Electrolux Appliances Aktiebolag
(21) EP14796460.5	20.02.2015	(72) DELIN, Anna
(47) 07.10.2020	20.02.2015	REUNANEN, Kristian
(87) EP2014073390	20.02.2015	(51) A47L 15/42
06.05.2016	(33) Germany	(11) EP3056129
(22) 30.10.2014	Germany	(21) EP16155855.6
(54) HIGH-PRESSURE CLEANING SYSTEM AND A METHOD FOR OPERATING A HIGH-PRESSURE CLEANING SYSTEM	Germany	(47) 07.10.2020
(73) Alfred Kärcher SE & Co. KG	(51) A47L 15/00	(22) 16.02.2016
(72) KLÖPFER, Jürgen	A47L 15/42	(54) DISHWASHER
FISCHER, Markus	(11) EP3311725	(73) Samsung Electronics Co., Ltd.
MUNZ, Swen	(21) EP17201118.1	(72) Buesing, Johannes
SPENGLER, Timo	(47) 07.10.2020	(31) 20150023193
DIRNBERGER, Sven	(22) 11.03.2015	(32) 16.02.2015
(51) A47L 13/00	(54) DISHWASHER IN THE FORM OF A COMMERCIAL UTENSIL WASHER OR DISHWASHER WHICH IS DESIGNED AS A BATCH DISHWASHER	(33) Korea (Republic)
A47L 13/10	(73) Illinois Tool Works Inc.	(51) A47L 15/42
A47L 13/16	(72) Berner, Dietrich	D06F 39/08
A47L 13/44	Disch, Harald	F04D 29/44
(11) EP3104762	Schrempp, Martin	F04D 29/58
(21) EP14882414.7	(31) 102014204678	(11) EP2677178
(47) 07.10.2020	102015203132	(21) EP13171905.6
(87) US2014072119	102015203133	(47) 07.10.2020
20.08.2015	102015203129	(22) 13.06.2013
(22) 23.12.2014	102015203127	(54) PUMP
(54) MULTI-PURPOSE CLEANING TROWEL	(32) 13.03.2014	(73) E.G.O. Elektro-Gerätebau GmbH
(73) Creative Products International, Inc.	20.02.2015	(72) Albert, Tobias
(72) MAURER, David, A.	20.02.2015	Kögel, Uwe
(31) 201414177991	20.02.2015	(31) 102012210554
(32) 11.02.2014	20.02.2015	(32) 22.06.2012
(33) United States of America	(33) Germany	(33) Germany
(51) A47L 15/00	(33) Germany	(51) A47L 15/42
(11) EP2420175	Germany	D06F 39/12
(21) EP11176807.3	Germany	F16M 7/00
(47) 07.10.2020	Germany	F25D 23/00
(22) 08.08.2011	Germany	F16H 57/039
	Germany	(11) EP3215664
	(51) A47L 15/20	(21) EP14792814.7
		(47) 07.10.2020
		(87) EP2014073516
		12.05.2016
		(22) 03.11.2014

(54) HOUSEHOLD APPLIANCE WITH CONTROL HEIGHT ADJUSTMENT MECHANISM	(51) A61B 1/00 A61B 1/24 A61C 1/05 A61C 1/08	(87) IL2015050379 15.10.2015 (22) 08.04.2015
(73) Arçelik Anonim Sirketi	(11) EP2891467	(54) FECAL WASTE EVACUATION CHANNEL
(72) OZYUKSEL, Faik Emre CELİK, Kadir Ridvan KAYMAK, Mehmet Ercan KAHRAMAN, Erhan	(21) EP13832913.1 (47) 07.10.2020 (87) JP2013073261 06.03.2014 (22) 30.08.2013	(73) Motus GI Medical Technologies Ltd. (72) HASSIDOV, Noam KOCHAVI, Eyal ARNON, Tzach LULEKO, Kobi
(51) A61B 1/00 A61B 1/01 A61M 25/01 A61M 25/04 A61M 25/09	(54) HANDPIECE WITH BUILT-IN CAMERA (73) The Yoshida Dental Mfg. Co., Ltd. (72) HASEGAWA Takeshi YAMANAKA Michizo	(31) 201461977173 P (32) 09.04.2014 (33) United States of America
(11) EP3399901 (21) EP18702325.4 (47) 07.10.2020 (87) IB2018050164 19.07.2018	(31) 2012192140 (32) 31.08.2012 (33) Japan	(51) A61B 1/04 A61B 5/00 A61B 5/02 A61B 5/0215 A61B 5/026 A61B 5/06 A61B 8/00 A61B 8/08 A61B 8/12 A61M 25/09 A61F 2/958 A61M 25/10
(22) 11.01.2018	(51) A61B 1/00 A61B 5/06 G01D 5/347 A61B 90/00	(11) EP2928540 (21) EP13861192.6 (47) 07.10.2020 (87) US2013073095 12.06.2014 (22) 04.12.2013
(54) ENDOSCOPIC GUIDE, IN PARTICULAR FOR COLONOSCOPY, AND SYSTEM FOR ENDOSCOPY COMPRISING SUCH A GUIDE	(11) EP2921110 (21) EP15159337.3 (47) 07.10.2020 (22) 17.03.2015	(54) HIGH PRESSURE THERAPEUTIC AND IMAGING CATHETER
(73) Endostart S.r.l. (72) TOZZI, Alessandro BRUNI, Alberto BRUNI, Carlo	(54) AUTOMATIC CAPTURE OF THE PENETRATION DEPTH AND THE ROTATIONAL ORIENTATION OF AN INVASIVE INSTRUMENT	(73) Volcano Corporation (72) STIGALL, Jeremy (31) 201261734825 P (32) 07.12.2012 (33) United States of America
(31) 201700002740 201700002679	(73) Karl Storz SE & Co. KG (72) Gruhler, Ulrich (31) 102014103728 (32) 19.03.2014 (33) Germany	(51) A61B 1/06 A61M 1/28 A61M 5/168 A61M 31/00 A61M 39/28 B65B 1/00 G06T 7/246
(32) 12.01.2017 12.01.2017	(31) 102014103728 (32) 19.03.2014 (33) Germany	(11) EP3277154 (21) EP16773900.2 (47) 07.10.2020 (87) US2016024434 06.10.2016 (22) 28.03.2016
(33) Italy Italy	(51) A61B 1/00 A61B 10/04 A61B 17/34	(54) MATTER TRACKING SYSTEM (73) CareFusion 303, Inc. (72) OSCOLAI, Bill BLOOM, Mark BROWN, David
(51) A61B 1/00 A61B 1/04 A61B 5/00 A61B 5/03 G02B 23/24 H01R 13/52 H05K 5/00	(11) EP3441010 (21) EP16897839.3 (47) 07.10.2020 (87) JP2016061041 12.10.2017 (22) 04.04.2016	(31) 201514677789 (32) 02.04.2015 (33) United States of America
(11) EP3387983 (21) EP18165832.9 (47) 07.10.2020 (22) 05.04.2018	(54) ENDOSCOPIC TREATMENT TOOL (73) Olympus Corporation (72) ETO Hirofumi KIKUCHI Yasuhiko UEMACHI Katsuji TONOMURA Masatoshi HIRAOKA Jin	(51) A61B 1/07 A61B 5/00 G02B 23/24 G02B 27/09
(54) ENDOSCOPE WITH PRESSURE SENSOR	(72) ETO Hirofumi KIKUCHI Yasuhiko UEMACHI Katsuji TONOMURA Masatoshi HIRAOKA Jin	(11) EP3277154 (21) EP16773900.2 (47) 07.10.2020 (87) US2016024434 06.10.2016 (22) 28.03.2016
(73) Karl Storz SE & Co. KG (72) Ulmschneider, Daniel (31) 102017108029 (32) 13.04.2017 (33) Germany	(51) A61B 1/00 A61B 46/10	(54) MATTER TRACKING SYSTEM (73) CareFusion 303, Inc. (72) OSCOLAI, Bill BLOOM, Mark BROWN, David
(51) A61B 1/00 A61B 1/04 A61H 21/00	(11) EP3607907 (21) EP18188207.7 (47) 07.10.2020 (22) 09.08.2018	(31) 201514677789 (32) 02.04.2015 (33) United States of America
(11) EP3331486 (21) EP16779172.2 (47) 07.10.2020 (87) IB2016054636 09.02.2017 (22) 02.08.2016	(54) DRAPE FOR ENDOSCOPIC CAMERA AND CONTAINER (73) Promecon GmbH (72) Calavrezos, Alexander Calavrezos, Lenika Kraus, Philipp	(51) A61B 1/07 A61B 5/00 G02B 23/24 G02B 27/09
(54) APPARATUS FOR TREATING CONSTIPATION AND REMOVING FECALOMAS	(51) A61B 1/015 A61B 1/31 A61M 3/02	(11) EP2560542 (21) EP10798218.3 (47) 07.10.2020 (87) US2010059733 27.10.2011
(73) Sabatini, Tony (72) Sabatini, Tony (31) UB20152953 (32) 06.08.2015 (33) Italy	(11) EP3128893 (21) EP15776016.6 (47) 07.10.2020	

(22) 09.12.2010	(54) Ophthalmologic apparatus, control method, and program	(54) A LIGHT-BASED COLLAGEN MEASUREMENT SYSTEM AND A SKIN TREATMENT SYSTEM
(54) MINIATURE OPTICAL ELEMENTS FOR FIBER-OPTIC BEAM SHAPING AND METHOD OF COLLECTING OPTICAL DATA	(73) CANON KABUSHIKI KAISHA	(73) Koninklijke Philips N.V.
(73) Lightlab Imaging, Inc.	(72) Ogura, Hiraku	(72) VARGHESE, Babu
(72) ADLER, Desmond	(31) 2012247356	PALERO, Jonathan Alambra
MCCARTIN, Stephen	(32) 09.11.2012	JURNA, Martin
PETERSEN, Christopher	(33) Japan	HORTON, Margaret Ruth
SCHMITT, Joseph	(51) A61B 3/113	VERHAGEN, Rieko
(31) 765501	A61F 9/008	(31) 14185025
(32) 22.04.2010	A61F 9/009	(32) 16.09.2014
(33) United States of America	(11) EP2578192	(33) European Patent Office (EPO)
(51) A61B 1/24	(21) EP12194867.3	(51) A61B 5/00
A61B 1/32	(47) 07.10.2020	(11) EP3357415
A61C 1/08	(22) 21.12.2007	(21) EP18154954.4
A61C 5/90	(54) System for precise beam positioning in ocular surgery	(47) 07.10.2020
(11) EP2967758	(73) Technolas Perfect Vision GmbH	(22) 02.02.2018
(21) EP13715619.6	(72) Lösel, Frieder	(54) ELECTRONIC DEVICE CAPABLE OF MEASURING BIOMETRIC INFORMATION
(47) 07.10.2020	Glasmacher, Mathias	(73) Samsung Electronics Co., Ltd.
(87) EP2013054830	von Pape, Ulrich	(72) JEONG, Injo
18.09.2014	(31) 625213	KIM, Younghwan
(22) 11.03.2013	(32) 19.01.2007	BYEON, Hyungsup
(54) MODULAR ASSEMBLY FOR DENTAL APPLICATIONS	(33) United States of America	LEE, Seung-Eun
(73) Planmeca Oy	(51) A61B 5/00	CHUN, Jae-Bong
(72) LEINO, Juha	(11) EP2340762	HA, Jungsu
(51) A61B 3/00	(21) EP09820363.1	CHOI, Bokun
A61B 3/10	(47) 07.10.2020	(31) 20170015700
A61B 3/117	(87) JP2009003675	(32) 03.02.2017
A61B 5/00	22.04.2010	(33) Korea (Republic)
A61B 5/1455	(22) 03.08.2009	(51) A61B 5/00
(11) EP2420179	(54) IMAGE PROCESSING APPARATUS FOR OPHTHALMIC TOMOGRAM, IMAGE PROCESSING METHOD, COMPUTER PROGRAM AND COMPUTER-READABLE STORAGE MEDIUM	A61B 5/04
(21) EP11006656.0	(73) Canon Kabushiki Kaisha	A61N 1/05
(47) 07.10.2020	(72) IMAMURA, Hiroshi	A61N 1/36
(22) 12.08.2011	IWASE, Yoshihiko	A61N 1/375
(54) System and method for detecting amyloid proteins	SATO, Kiyohide	(11) EP3528888
(73) Cognoptix, Inc.	KATAYAMA, Akihiro	(21) EP17732436.5
(72) Hartung, Paul D.	(31) 2008269186	(47) 07.10.2020
(31) 374131 P	(32) 17.10.2008	(87) EP2017065568
425490 P	(33) Japan	26.04.2018
11001148	(51) A61B 5/00	(22) 23.06.2017
(32) 16.08.2010	(11) EP2642910	(54) DEVICES FOR THE ELECTRICAL STIMULATION OF BRAIN TISSUE VIA ELECTRODES WITHIN CRANIAL BONE
21.12.2010	(21) EP11787903.1	(73) Precisis AG
11.02.2011	(47) 07.10.2020	(72) NITZERT, Michael
(33) United States of America	(87) EP2011071043	GOTMAN, Jean
United States of America	31.05.2012	REMMERT, Gregor
European Patent Office (EPO)	(22) 25.11.2011	(31) 201662410222 P
(51) A61B 3/10	(54) DEVICE AND METHOD FOR DETERMINING A DISEASE ACTIVITY	(32) 19.10.2016
(11) EP2759253	(73) DEMCON hemics B.V.	(33) United States of America
(21) EP14152050.2	(72) RENSEN, Wouter Harry Jacinth	(51) A61B 5/00
(47) 07.10.2020	DE BOKX, Pieter Klaas	A61B 5/06
(22) 22.01.2014	(31) 10192684	A61B 10/00
(54) Image processing apparatus	(32) 26.11.2010	A61J 1/00
(73) Nidek Co., Ltd.	(33) European Patent Office (EPO)	A61M 31/00
(72) Higuchi, Yukihiko	(51) A61B 5/00	B01L 3/00
Murase, Yuji	(11) EP3193700	E21B 41/00
(31) 2013010442	(21) EP15762518.7	E21B 49/08
(32) 23.01.2013	(47) 07.10.2020	G01N 1/10
(33) Japan	(87) EP2015069712	G01N 1/16
(51) A61B 3/10	24.03.2016	G01N 33/18
A61B 3/12	(22) 28.08.2015	G01T 7/02
A61B 3/14		G01V 1/02
(11) EP2730214		(11) EP3168595
(21) EP13192024.1		(21) EP16203352.6
(47) 07.10.2020		(47) 07.10.2020
(22) 07.11.2013		

(22) 31.03.2015	(31) 201422899	(73) Pioneer Materials Inc. Chengdu
(54) SYSTEM AND METHOD FOR ACQUIRING SAMPLES IN A BODY OF FLUID	(32) 22.12.2014	(72) Liu, Chien-Chun
(73) Fluidion	(33) United Kingdom	Lin, Liu-Yuh
(72) ANGELESCU, Dan	(51) A61B 5/00	Weng, Liang-Chih
HAUSOT, Andreas	A61B 5/11	Cheng, Tzu-Huan
(31) 201414244283	G04G 21/02	Wu, Chen-Hsin
201414244292	G04R 20/26	Liu, Hao-Che
(32) 03.04.2014	(11) EP3543802	Huang, Chien-Yao
03.04.2014	(21) EP19163827.9	Chiu, Leon A
(33) United States of America	(47) 07.10.2020	Wu, Sau-Mou
United States of America	(22) 19.03.2019	Tai, Ti-Hsien
(51) A61B 5/00	(54) ELECTRONIC DEVICE, DISPLAY-UNIT SETTING METHOD AND RECORDING MEDIUM	Pan, Yu-Hsiang
A61B 5/08	(31) 201711404811	(31) 201711404811
A61B 5/145	(32) 22.12.2017	(32) 22.12.2017
A61B 5/1455	(33) China	(33) China
(11) EP3212085	(73) Casio Computer Co., Ltd.	(51) A61B 5/00
(21) EP15853651.6	(72) KYOU, Kazuho	A61B 18/14
(47) 07.10.2020	(31) 2018050956	A61M 25/00
(87) KR2015011407	(32) 19.03.2018	G01L 1/24
06.05.2016	(33) Japan	(11) EP2711676
(22) 28.10.2015	(51) A61B 5/00	(21) EP13180501.2
(54) GLUCOSE MEASURING APPARATUS AND METHOD	A61B 5/11	(47) 07.10.2020
(73) Samsung Electronics Co., Ltd.	G06T 7/00	(22) 15.08.2013
(72) CHO, Seong-je	G06T 7/246	(54) Fiber-optic force sensor, force measurement device and catheter
KIM, Kwang-bok	G16H 20/30	(73) VascoMed GmbH
JUNG, Sun-tae	(11) EP3574828	(72) Fandrey, Stephan
CHO, Jae-geol	(21) EP18174657.9	Bitzer, Andreas
CHO, Chul-ho	(47) 07.10.2020	(31) 201261703272 P
LEE, Seung-min	(22) 28.05.2018	(32) 20.09.2012
LEE, Jeong-gun	(54) MONITORING THE PERFORMANCE OF PHYSICAL EXERCISES	(33) United States of America
JEONG, In-jo	(73) Kaia Health Software GmbH	(51) A61B 5/00
(31) 20140148447	(72) Mehl, Konstantin	A61C 9/00
(32) 29.10.2014	Strobel, Maximilian	G06T 7/00
(33) Korea (Republic)	(51) A61B 5/00	(11) EP2884941
(51) A61B 5/00	A61B 5/145	(21) EP13762075.3
A61B 5/11	A61B 5/1477	(47) 07.10.2020
A61F 5/01	A61F 13/00	(87) EP2013066995
A61H 23/00	A61F 13/84	20.02.2014
A61N 1/04	(11) EP3454809	(22) 14.08.2013
A61N 1/36	(21) EP17725034.7	(54) METHOD FOR RECORDING INDIVIDUAL THREE-DIMENSIONAL OPTICAL IMAGES OF A DENTAL OBJECT
A63B 21/00	(47) 07.10.2020	(73) Sirona Dental Systems GmbH
A63B 21/22	(87) US2017031886	(72) ADAMSON, Anders
A63B 23/16	16.11.2017	(31) 102012214467
A63B 24/00	(22) 10.05.2017	(32) 14.08.2012
F16F 7/10	(54) FLEXIBLE MEANS FOR DETERMINING THE EXTENT OF DEBRIDEMENT REQUIRED TO REMOVE NON-VIABLE TISSUE	(33) Germany
G01C 19/42	(73) KCI Licensing, Inc.	(51) A61B 5/00
(11) EP3237081	(72) LONG, Justin Alexander	A61N 1/05
(21) EP15828831.6	GARCIA-OSBORNE, Sandra	H01R 13/02
(47) 07.10.2020	ROBINSON, Timothy Mark	H01R 43/00
(87) GB2015054128	LOCKE, Christopher Brian	H05K 13/00
30.06.2016	DEKRUIF, Daniel W.	(11) EP3284509
(22) 22.12.2015	(31) 201662334349 P	(21) EP17182006.1
(54) TREMOR STABILISATION APPARATUS AND METHODS	201662334979 P	(47) 07.10.2020
(73) Gyrogear Limited	(32) 10.05.2016	(22) 19.07.2017
(72) ONG, Joon Faii	11.05.2016	(54) SEGMENTED ELECTRODE AND METHOD
GAN, Benjamin	(33) United States of America	(73) Heraeus Medical Components, LLC
KOH, Benjamin	United States of America	(72) Campos, Andres
SOLER, Xavier Laguarta	(51) A61B 5/00	Locke, Benjamin
CHOONG NGAN LOU, Winston	A61B 5/1455	Calander, Leroy G.
DE PANISSE, Paul	(11) EP3501396	Noffke, Paul
IBRAHIM, Youssef	(21) EP18204099.8	Nygaard, Daniel
MEDEISIS, Justas	(47) 07.10.2020	Eichelt, Eric
LASIMAN, Tiarvando	(22) 02.11.2018	Schuster, Paul
VAKLEV, Nikolay Lyubomirov	(54) LIVING ORGANISM IMAGE MONITORING SYSTEM AND METHOD	

Hjelle, Mark A.	G06F 9/451	(51) A61B 5/053
Ohmann, David	(11) EP3593716	A61B 5/22
Waring, John W.	(21) EP19193530.3	(11) EP3463089
(31) 201662375369 P	(47) 07.10.2020	(21) EP17724491.0
(32) 15.08.2016	(22) 25.05.2016	(47) 07.10.2020
(33) United States of America	(54) FACIAL IDENTIFICATION TECHNIQUES	(87) EP2017000580
(51) A61B 5/00	(73) Aware, Inc.	30.11.2017
A61N 1/372	(72) GIESELMAN, Neal Joseph	(22) 12.05.2017
H04L 29/06	GUILLORY, Jonathan Isaac	(54) DEVICE ASSEMBLY FOR DETECTING
H04L 29/08	(31) 201562168351 P	PHYSICAL PERFORMANCE VALUES
H04W 12/08	201615092328	OF A TEST SUBJECT, AND METHOD
H04W 52/02	(32) 29.05.2015	FOR DETERMINING PHYSICAL
H04W 80/10	06.04.2016	PERFORMANCE VALUES OF A TEST
G16H 40/63	(33) United States of America	SUBJECT
G16H 40/67	United States of America	(73) Fox, Robin
H04W 4/80	(51) A61B 5/0245	(72) Fox, Robin
(11) EP3448508	A61B 5/042	(31) 102016006329
(21) EP17718231.8	A61B 5/053	(32) 24.05.2016
(47) 07.10.2020	A61B 17/00	(33) Germany
(87) US2017025821	A61B 18/00	(51) A61B 5/055
02.11.2017	A61B 18/14	G01R 33/48
(22) 04.04.2017	(11) EP3473200	G01R 33/483
(54) MANAGING TELEMETRY	(21) EP18156706.6	G01R 33/50
COMMUNICATION MODES OF AN	(47) 07.10.2020	G01R 33/561
IMPLANTABLE DEVICE	(22) 14.02.2018	(11) EP3102103
(73) Medtronic Inc.	(54) ABLATION CATHETER WITH	(21) EP14846737.6
(72) SCHILLING, Eric A.	MICROELECTRODE AND METHOD	(47) 07.10.2020
HOUSE, Christopher T.	FOR PRODUCING AN ABLATION	(87) KR2014002764
KIVI, Gary P.	CATHETER	13.08.2015
KLECKNER, Karen J.	(73) VascoMed GmbH	(22) 01.04.2014
KOMP, John W.	(72) Kaufmann, Ralf	(54) MAGNETIC RESONANCE IMAGING
WINE, Nicholas C.	(31) 102017124651	METHOD WITH T2* MAPPING BASED
YODER, Matthew R.	(32) 23.10.2017	ON ECHO PLANAR IMAGING
ZHANG, Bo	(33) Germany	(73) Gachon University of Industry-Academic
(31) 201615141421	(51) A61B 5/0245	Cooperation Foundation
(32) 28.04.2016	A61B 8/02	(72) CHUNG, Jun Young
(33) United States of America	A61B 8/08	PARK, Hyun Wook
(51) A61B 5/00	G16H 50/30	HAN, Ye Ji
G01J 3/02	(11) EP3329857	(31) 20140013080
G01J 3/12	(21) EP17203826.7	(32) 05.02.2014
G01J 3/36	(47) 07.10.2020	(33) Korea (Republic)
G01N 21/25	(22) 27.11.2017	(51) A61B 5/06
G01N 21/31	(54) HEART RATE ASSISTANCE FOR	A61B 6/02
G01N 21/47	PHASE DETERMINATION IN	A61B 34/20
G01N 21/49	ECHOCARDIOGRAPHY	(11) EP3614919
(11) EP3120135	(73) Siemens Medical Solutions USA, Inc.	(21) EP17720114.2
(21) EP15709683.5	(72) ZHAI, Liang	(47) 07.10.2020
(47) 07.10.2020	WILKENING, Wilko	(87) EP2017060098
(87) EP2015055251	(31) 201615366286	01.11.2018
24.09.2015	(32) 01.12.2016	(22) 27.04.2017
(22) 13.03.2015	(33) United States of America	(54) REMOVING GHOST MARKERS FROM
(54) TUNABLE FILTERS FOR SPECTRAL	(51) A61B 5/0484	A MEASURED SET OF MEDICAL
SENSING	(11) EP3406191	MARKERS
(73) Koninklijke Philips N.V.	(21) EP17741352.3	(73) Brainlab AG
(72) WIJBRANS, Klaas Cornelis Jan	(47) 07.10.2020	(72) GOETTE, Hubert
LUCASSEN, Gerhardus Wilhelmus	(87) JP2017001253	HEINRICH, Steffen
HENDRIKS, Bernardus Hendrikus	27.07.2017	(51) A61B 5/08
Wilhelmus	(22) 16.01.2017	B01L 3/00
(31) 14160522	(54) MATERIAL EVALUATION METHOD AND	G01N 24/08
14178156	MATERIAL EVALUATION DEVICE	G01N 24/10
(32) 18.03.2014	(73) National Institute of Information and	G01N 33/22
23.07.2014	Communications Technology	G01N 33/497
(33) European Patent Office (EPO)	(72) NISHIMOTO Shinji	G01R 33/24
European Patent Office (EPO)	NISHIDA Satoshi	G01R 33/30
(51) A61B 5/00	KASHIOKA Hideki	G01R 33/32
G06K 9/00	(31) 2016007314	(11) EP3198264
G06K 9/62	(32) 18.01.2016	(21) EP15753043.7
A61B 5/1171	(33) Japan	(47) 07.10.2020

(87) EP2015069143 31.03.2016	A61M 37/00 B29C 45/00	20150116691
(22) 20.08.2015	B29C 45/26	(32) 17.10.2014
(54) RESPIRATORY GAS ANALYSER FOR THE NMR ANALYSIS OF SUBSTANCES IN A SAMPLE, AND METHOD FOR RESPIRATORY GAS ANALYSIS	B29C 59/02 B29C 67/24 B29L 31/00	(33) Korea (Republic) Korea (Republic)
(73) Robert Bosch GmbH	(11) EP3021930	(51) A61B 6/00
(72) LUTZ, Theresa	(21) EP14744263.6	A61B 6/02
EINSELE, Florian	(47) 07.10.2020	(11) EP3442424
LUCKERT, Katrin	(87) US2014046099	(21) EP17736785.1
ROELVER, Robert	22.01.2015	(47) 07.10.2020
(31) 102014219561	(22) 10.07.2014	(87) US2017026783
(32) 26.09.2014	(54) HOLLOW MICRONEEDLE WITH BEVELED TIP	19.10.2017
(33) Germany	(73) 3M Innovative Properties Company	(22) 10.04.2017
(51) A61B 5/103	(72) BERRY, Dennis G.	(54) MOBILE TOMOSYNTHESIS SYSTEM AND METHOD
A61B 9/00	MARTINSON, Paul A.	(73) Carestream Health, Inc.
A61C 19/04	SIMMERS, Ryan Patrick	(72) HEATH, Michael D.
G01N 3/30	(31) 201361846934 P	SNYDER, William F.
(11) EP3510940	(32) 16.07.2013	BATURIN, Pavlo
(21) EP15189103.3	(33) United States of America	(31) 201662321766 P
(47) 07.10.2020	(51) A61B 5/16	(32) 13.04.2016
(22) 18.06.2011	G06K 9/00	(33) United States of America
(54) SYSTEM AND METHOD FOR DETERMINING STRUCTURAL CHARACTERISTICS OF AN OBJECT	G10L 17/00	(51) A61B 6/00
(73) Perimetrics, LLC	(11) EP2713881	A61B 6/02
(72) EARTHMAN, James	(21) EP12729730.7	A61B 8/08
SHEETS, Cheryl	(47) 07.10.2020	G16H 50/30
(31) 356599 P	(87) IB2012052769	(11) EP3131468
201161442293 P	06.12.2012	(21) EP15779854.7
(32) 19.06.2010	(22) 01.06.2012	(47) 07.10.2020
14.02.2011	(54) METHOD AND SYSTEM FOR ASSISTING PATIENTS	(87) AU2015000219
(33) United States of America	(73) Koninklijke Philips N.V.	22.10.2015
United States of America	(72) JASINSCHI, Radu Serban	(22) 14.04.2015
(51) A61B 5/145	BULUT, Murtaza	(54) METHOD OF IMAGING
A61B 5/1486	BELLODI, Luca	(73) 4DMedical Limited
G01N 27/327	(31) 11168527	(72) FOURAS, Andreas
(11) EP3269304	(32) 01.06.2011	(31) 2014901375
(21) EP17185682.6	(33) European Patent Office (EPO)	(32) 15.04.2014
(47) 07.10.2020	(51) A61B 5/20	(33) Australia
(22) 31.08.2012	A61F 5/44	(51) A61B 6/00
(54) SYSTEM AND METHOD FOR DETECTING USED AND DRIED SENSORS	A61M 1/00	A61B 6/03
(73) Ascensia Diabetes Care Holdings AG	(11) EP2985011	(11) EP3424431
(72) HARRISON, Bern	(21) EP15185023.7	(21) EP18172637.3
(31) 201261676549 P	(47) 07.10.2020	(47) 07.10.2020
(32) 27.07.2012	(22) 15.11.2012	(22) 16.05.2018
(33) United States of America	(54) FLUID COLLECTION AND EXPULSION APPARATUS	(54) AUTOMATIC EXPOSURE CONTROL SETUP
(51) A61B 5/1455	(73) Melio Medical Limited	(73) Carestream Health, Inc.
A61F 7/00	(72) WILLS, Trevor	(72) TOEPFER, Karin
H05B 1/02	(31) 201119676	(31) 201762507290 P
(11) EP3212136	(32) 15.11.2011	201815963135
(21) EP15787193.0	(33) United Kingdom	(32) 17.05.2017
(47) 07.10.2020	(51) A61B 6/00	26.04.2018
(87) EP2015074999	(11) EP3017764	(33) United States of America
06.05.2016	(21) EP15189965.5	United States of America
(22) 28.10.2015	(47) 07.10.2020	(51) A61B 6/00
(54) SYSTEM AND METHOD FOR CONTROLLING A TEMPERATURE	(22) 15.10.2015	A61B 6/03
(73) Koninklijke Philips N.V.	(54) X-RAY IMAGING APPARATUS, METHOD OF CONTROLLING THE SAME, AND X-RAY IMAGING SYSTEM	G01T 1/172
(72) KAHLMAN, Josephus Arnoldus Henricus Maria	(73) Samsung Electronics Co., Ltd.	G01T 1/20
(31) 14190904	(72) PARK, Jong Seo	G01T 1/29
(32) 29.10.2014	KIM, Sung Nam	G01T 1/36
(33) European Patent Office (EPO)	KIM, Ji Hye	G01T 7/00
(51) A61B 5/15	SHIN, Jong Hyun	(11) EP3427667
	LEE, Eun Jae	(21) EP18182480.6
	(31) 20140141076	(47) 07.10.2020
		(22) 09.07.2018
		(54) TIME CALIBRATION IN PET DEVICE
		(73) Neusoft Medical Systems Co., Ltd.
		(72) WANG, Xi

ZHAO, Jian	(54) ADJUSTABLE DEVICES FOR	(72) BECKERS, Lucas, Johannes, Anna,
WU, Guocheng	TREATING ARTHRITIS OF THE KNEE	Maria
XU, Baowei	(73) NuVasive Specialized Orthopedics, Inc.	HENNEKEN, Vincent, Adrianus
LIANG, Guodong	(72) SKINLO, David	(31) 16186332
(31) 201710556109	BUFORD, Thomas B.	(32) 30.08.2016
(32) 10.07.2017	AKYUZ, Ephraim	(33) European Patent Office (EPO)
(33) China	WEISEL, Thomas	(51) A61B 8/00
(51) A61B 6/00	PISARNWONGS, Roger	G01S 7/52
A61F 2/30	BECKETT, Adam G.	G01S 15/89
A61F 2/46	GILBERT, Jeffrey Lee	(11) EP2867697
A61B 34/10	LIU, Frank, Yan	(21) EP13752928.5
G06T 7/00	WEBER, Urs	(47) 07.10.2020
(11) EP3389495	ROSCHAK, Edmund J	(87) IB2013054988
(21) EP16819868.7	WALKER, Blair	03.01.2014
(47) 07.10.2020	POOL, Scott	(22) 18.06.2013
(87) EP2016081483	Dahl, Mark T.	(54) TWO DIMENSIONAL ULTRASOUND
22.06.2017	(31) 201261719887 P	TRANSDUCER ARRAYS OPERABLE
(22) 16.12.2016	201361868535 P	WITH DIFFERENT ULTRASOUND
(54) SYSTEM AND METHOD FOR	(32) 29.10.2012	SYSTEMS
CREATING A DECISION SUPPORT	21.08.2013	(73) Koninklijke Philips N.V.
MATERIAL INDICATING DAMAGE TO	(33) United States of America	(72) SAVORD, Bernard Joseph
AN ANATOMICAL JOINT	United States of America	(31) 201261665571 P
(73) Episurf IP-Management AB	(51) A61B 8/00	(32) 28.06.2012
(72) LILLIESTRÅLE, Richard	A61B 8/08	(33) United States of America
KARLSSON, Anders	(11) EP2918231	(51) A61B 8/06
SPÅNGBERG, Jeanette	(21) EP14196257.1	A61B 8/12
BAKE, Nina	(47) 07.10.2020	A61B 17/22
(31) 15201361	(22) 04.12.2014	A61N 7/00
(32) 18.12.2015	(54) Ultrasound apparatus for displaying	A61N 7/02
(33) European Patent Office (EPO)	diffusion boundary of medicine	(11) EP2999411
(51) A61B 6/00	(73) Samsung Medison Co., Ltd.	(21) EP14801877.3
G02B 5/18	Samsung Electronics Co., Ltd	(47) 07.10.2020
G02B 7/00	(72) Cho, Eun-mi	(87) IL2014050457
G02B 26/08	Kim, Eun-yeong	27.11.2014
G02B 27/52	Oh, Jung taek	(22) 22.05.2014
G21K 1/04	(31) 20140029270	(54) DEVICES FOR RENAL DENERVATION
G21K 1/06	(32) 12.03.2014	AND ASSESSMENT THEREOF
G01N 23/20	(33) Korea (Republic)	(73) Cardiosonic Ltd.
(11) EP3558126	(51) A61B 8/00	(72) SVERDLIK, Ariel
(21) EP18759295.1	A61B 8/08	SHABTAY, Or
(47) 07.10.2020	G01S 7/52	NEEMAN, Ronen
(87) EP2018072697	G01S 15/89	BEIT-YAAKOV, Giora
28.02.2019	(11) EP2702946	HEMI, Lilah
(22) 22.08.2018	(21) EP13179205.3	SCHAUDER, Avital
(54) DEVICE AND METHOD FOR PHASE	(47) 07.10.2020	DUBINSKY, Marina
STEPPING IN PHASE CONTRAST	(22) 05.08.2013	ZADOK, Yehuda
IMAGE ACQUISITION	(54) Object information acquisition apparatus	YALOM, Jonathan
(73) Koninklijke Philips N.V.	and display method	(31) 201361826583 P
(72) ROESSL, Ewald	(73) CANON KABUSHIKI KAISHA	201461924778 P
(31) 17187471	(72) Nagae, Kenichi	201461924848 P
(32) 23.08.2017	(31) 2012187618	201461931838 P
(33) European Patent Office (EPO)	(32) 28.08.2012	201461931890 P
(51) A61B 6/12	(33) Japan	(32) 23.05.2013
A61B 17/00	(51) A61B 8/00	08.01.2014
A61B 17/16	A61B 8/12	08.01.2014
A61B 17/56	B06B 1/02	27.01.2014
A61B 17/68	G10K 11/00	27.01.2014
A61B 17/70	G10K 11/02	(33) United States of America
A61B 17/72	(11) EP3506833	United States of America
A61B 17/80	(21) EP17755180.1	United States of America
A61B 17/88	(47) 07.10.2020	United States of America
A61F 2/38	(87) EP2017071067	United States of America
(11) EP2911616	08.03.2018	(51) A61B 8/08
(21) EP13850787.6	(22) 22.08.2017	A61B 8/12
(47) 07.10.2020	(54) IMAGING DEVICE WITH ULTRASOUND	(11) EP2967493
(87) US2013067142	TRANSDUCER ARRAY	(21) EP14706710.2
08.05.2014	(73) Koninklijke Philips N.V.	(47) 07.10.2020
(22) 28.10.2013		(87) US2014013178

18.09.2014	(32) 30.12.2013	(21) EP14715792.9
(22) 27.01.2014	(33) United States of America	(47) 07.10.2020
(54) HIGH RESOLUTION INTRAVASCULAR ULTRASOUND IMAGING SYSTEMS	(51) A61B 10/02	(87) US2014026602
(73) INFRAREDEX, Inc.	G01R 33/28	25.09.2014
(72) HE, Zhihua	G01R 33/34	(22) 13.03.2014
ERICKSON, David	(11) EP2883070	(54) OPEN IRRIGATED ABLATION CATHETER WITH PROXIMAL COOLING
MCLAUGHLIN, Glen	(21) EP13767116.0	(73) Boston Scientific Scimed, Inc.
(31) 201361794868 P	(47) 07.10.2020	(72) KIM, Isaac J.
201313967905	(87) IB2013056400	MIRIGIAN, Mark D.
(32) 15.03.2013	13.02.2014	CHEUNG, Desmond
15.08.2013	(22) 05.08.2013	VELILLA, Simplicio A.
(33) United States of America	(54) ENDORECTAL PROSTATE COIL WITH OPEN ACCESS FOR SURGICAL INSTRUMENTS	QUINTOS, Robert
United States of America	(73) Koninklijke Philips N.V.	(31) 201361793649 P
(51) A61B 8/08	(72) WIRTZ, Daniel	(32) 15.03.2013
A61N 5/10	MAZURKEWITZ, Peter	(33) United States of America
(11) EP3600545	LEUSSLER, Christoph	(51) A61B 17/00
(21) EP18714706.1	(31) 201261680835 P	A61B 34/20
(47) 07.10.2020	(32) 08.08.2012	A61B 34/30
(87) EP2018055364	(33) United States of America	A61B 90/00
04.10.2018	(51) A61B 17/00	(11) EP2797540
(22) 05.03.2018	A61B 17/08	(21) EP12794425.4
(54) DETERMINING AT LEAST ONE FINAL TWO-DIMENSIONAL IMAGE FOR VISUALIZING AN OBJECT OF INTEREST IN A THREE-DIMENSIONAL ULTRASOUND VOLUME	A61B 17/12	(47) 07.10.2020
(73) Koninklijke Philips N.V.	A61F 2/24	(87) FR2012052532
(72) SETH, Subhendu	A61F 5/00	04.07.2013
VAJINEPALLI, Pallavi	(11) EP2389121	(22) 31.10.2012
AICH, Achyuta	(21) EP10733905.3	(54) ROBOTIC MEDICAL DEVICE FOR MONITORING THE RESPIRATION OF A PATIENT AND CORRECTING THE TRAJECTORY OF A ROBOTIC ARM
(31) 17163862	(47) 07.10.2020	(73) Medtech
(32) 30.03.2017	(87) US2010021810	(72) MAILLET, Pierre
(33) European Patent Office (EPO)	29.07.2010	NAHUM, Bertin
(51) A61B 10/02	(22) 22.01.2010	BADANO, Fernand
A61B 17/16	(54) POST-OPERATIVE ADJUSTMENT TOOL, MINIMALLY INVASIVE ATTACHMENT APPARATUS, AND ADJUSTABLE TRICUSPID RING	DEHOUR, Patrick
A61B 46/10	(73) St. Jude Medical, Cardiology Division, Inc.	(31) 1162555
(11) EP3419530	(72) CARTLEDGE, Richard, G.	1253919
(21) EP17710343.9	(31) 146560 P	(32) 30.12.2011
(47) 07.10.2020	157649 P	27.04.2012
(87) FR2017050391	(32) 22.01.2009	(33) France
31.08.2017	(32) 22.01.2009	France
(22) 22.02.2017	05.03.2009	(51) A61B 17/00
(54) DEVICE FOR THE STERILE COUPLING OF A PERCUTANEOUS SURGICAL INSTRUMENT AND A DRIVING TOOL AND METHOD FOR CARRYING OUT SUCH A COUPLING	(33) United States of America United States of America	A61F 9/007
(73) Fumex, Laurent	(51) A61B 17/00	(11) EP3329859
Masseglia, Thierry	A61B 17/16	(21) EP15899913.6
(72) Fumex, Laurent	A61B 17/84	(47) 07.10.2020
Masseglia, Thierry	B25B 15/04	(87) BR2015000119
(31) 1651435	(11) EP3324860	09.02.2017
(32) 22.02.2016	(21) EP16735873.8	(22) 31.07.2015
(33) France	(47) 07.10.2020	(54) IRIS DILATING RING FOR CATARACT SURGERY WITHOUT INJECTOR
(51) A61B 10/02	(87) EP2016065986	(73) Canabrava, Sergio Félix
G01N 1/06	26.01.2017	(72) Canabrava, Sergio Félix
(11) EP3090244	(22) 06.07.2016	(51) A61B 17/06
(21) EP14876932.6	(54) SPACE-SAVING RATCHET WITH FREEWHEEL	A61F 2/24
(47) 07.10.2020	(73) Aesculap AG	(11) EP3256074
(87) CA2014051255	(72) STEINHAUSER, Jan	(21) EP16749695.9
09.07.2015	PFISTER, Ralf	(47) 07.10.2020
(22) 23.12.2014	(31) 102015111878	(87) US2016017118
(54) TOOL AND METHOD FOR ALIGNING A TISSUE PLANE FOR MICROTOMY	(32) 22.07.2015	18.08.2016
(73) Hemmings, Kurt	(33) Germany	(22) 09.02.2016
(72) Hemmings, Kurt	(51) A61B 17/00	(54) A LOW PROFILE TRANSSEPTAL CATHETER AND IMPLANT SYSTEM FOR MINIMALLY INVASIVE VALVE PROCEDURE
(31) 201361921816 P	A61B 18/00	(73) Edwards Lifesciences Corporation
	A61B 18/14	(72) KEIDAR, Yaron
	A61M 25/00	
	(11) EP2967731	

(31) 201562113839 P 201615018781	(11) EP3278757 (21) EP17184592.8	KAMDAR, Kirti P.
(32) 09.02.2015 08.02.2016	(47) 07.10.2020 (22) 02.08.2017	(31) 201261736522 P 201313841380
(33) United States of America United States of America	(54) PATELLA IMPLANT PLANNING (73) Mako Surgical Corporation	(32) 12.12.2012 15.03.2013
(51) A61B 17/062	(72) FERKO, Michael C. HAMPP, Emily	(33) United States of America United States of America
A61B 17/29 A61B 18/12 A61B 18/14 A61B 34/00 A61B 34/30 A61B 46/10	(31) 201615227433 (32) 03.08.2016 (33) United States of America	(51) A61B 17/16 A61B 90/00
(11) EP3426176 (21) EP17712333.8 (47) 07.10.2020 (87) US2017021066 14.09.2017	(31) EP3250133 (21) EP15817172.8 (47) 07.10.2020 (87) EP2015079822 04.08.2016	(11) EP3407807 (21) EP17706531.5 (47) 07.10.2020 (87) FR2017050085 27.07.2017
(22) 07.03.2017 (54) ROBOTIC BI-POLAR INSTRUMENTS (73) Ethicon LLC (72) FELDER, Kevin D. BRUEHWILER, Michel G. CONSTANTINEAU, Cole YASEVAC, Daniel J. CARTER, Mary CHAGNON, Jeffrey DELSIGNORE, Kevin	(22) 15.12.2015 (54) SHAFT INSTRUMENT FOR SURGICAL PURPOSES (73) Qenus Medical AG (72) KOLLER, Martin KÜLLING, Fabrice	(22) 13.01.2017 (54) FLEXIBLE AND CANNULATED CUTTING DEVICE (73) Clariance (72) LEROY, Jean Yves VIRGAUX, Nicolas BILLON, Adrien SCHULLER, Sébastien VIART, Guy
(31) 201662304716 P (32) 07.03.2016 (33) United States of America	(31) 15152482 (32) 26.01.2015 (33) European Patent Office (EPO)	(31) 1650369 (32) 18.01.2016 (33) France
(51) A61B 17/064 A61B 17/80 A61F 2/08	(51) A61B 17/16 A61B 17/32 F16L 27/08 F16L 37/23 F16L 37/248	(51) A61B 17/17 A61F 2/46
(11) EP3184078 (21) EP16204600.7 (47) 07.10.2020 (22) 16.12.2016 (54) TENDON FIXATION PLATE (73) INOVEDIS GmbH (72) Flöß, Lukas Oblak, Peter Welte, Stefan	(11) EP3442444 (21) EP17719459.4 (47) 07.10.2020 (87) US2017027162 19.10.2017 (22) 12.04.2017 (54) SWIVEL KNUCKLE CONNECTION (73) Medtronic Xomed, Inc. (72) SINGER, Scott Andrew RIEDEL, Ken ANGULO, Juan P.	(11) EP2731512 (21) EP12740926.6 (47) 07.10.2020 (87) EP2012063676 17.01.2013 (22) 12.07.2012 (54) METHOD OF MANUFACTURING A SURGICAL INSTRUMENT FOR THE POSITIONING OF AN ALIGNMENT ELEMENT (73) Materialise N.V. (72) HANANOUCCHI, Takehito VANGENEUGDEN, Dieter
(31) 102015122730 (32) 23.12.2015 (33) Germany	(31) 201615098477 201615098491 (32) 14.04.2016 14.04.2016	(31) 11173606 201113180688 (32) 12.07.2011 12.07.2011 (33) European Patent Office (EPO) United States of America
(51) A61B 17/072 (11) EP3061406 (21) EP16157535.2 (47) 07.10.2020 (22) 26.02.2016 (54) SYSTEM FOR MONITORING WHETHER A SURGICAL INSTRUMENT NEEDS TO BE SERVICED (73) Ethicon LLC (72) BAXTER, III, Chester O. SHELTON, IV, Frederick E. MORGAN, Jerome R. HARRIS, Jason L.	(31) 201615098477 201615098491 (32) 14.04.2016 14.04.2016 (33) United States of America United States of America	(32) 12.07.2011 12.07.2011 (33) European Patent Office (EPO) United States of America
(31) 201514633555 (32) 27.02.2015 (33) United States of America	(51) A61B 17/16 A61B 17/56 A61B 17/58 A61B 17/60 A61B 17/88 (11) EP2931144 (21) EP13862396.2 (47) 07.10.2020 (87) US2013074760 19.06.2014 (22) 12.12.2013 (54) DEVICES AND SYSTEMS FOR AFFIXING AN ACCESS DEVICE TO A VERTEBRAL BODY FOR THE INSERTION OF BONE CEMENT (73) Dfine, Inc. (72) PHAN, Christopher U. KOHM, Andrew POSER, Robert	(51) A61B 17/32 (11) EP2723255 (21) EP12803048.3 (47) 07.10.2020 (87) US2012043892 27.12.2012 (22) 22.06.2012 (54) TISSUE EXTRACTION SYSTEM (73) Minerva Surgical, Inc. (72) SHADDUCK, John, H. GERMAIN, Aaron KLEIN, Kyle WALKER, Michael, D. TRUCKAI, Csaba
(51) A61B 17/15 A61B 17/16 A61B 17/17 A61B 17/56 A61F 2/46 A61B 34/10		(31) 201161501106 P 201161531985 P (32) 24.06.2011 07.09.2011 (33) United States of America United States of America (51) A61B 17/3203

A61F 13/00	(73) Stryker European Holdings I, LLC	SILCOX, M., D., Hal, III
A61B 46/23	(72) CHIN, Kingsley Richard	(31) 201113040035
A61B 90/00	FALLIN, T. Wade	(32) 03.03.2011
A61B 90/40	BUTTERS, Joshua A.	(33) United States of America
(11) EP3132766	JUSTIN, Daniel F.	(51) A61B 17/70
(21) EP15182057.8	(31) 202487	A61B 17/88
(47) 07.10.2020	(32) 12.08.2005	(11) EP2987460
(22) 21.08.2015	(33) United States of America	(21) EP15180519.9
(54) PROTECTIVE COVERING	(51) A61B 17/34	(47) 07.10.2020
(73) MEDAXIS AG	A61F 2/00	(22) 11.08.2015
(72) Moser, Beat	A61F 2/24	(54) SYSTEM FOR SPINAL CORRECTION
Zweifel, Adrian	A61M 25/00	(73) K2M, Inc.
Selek, Oezkan	A61M 25/01	(72) Seme, Steven J.
Widmer, Beat	A61M 25/06	Gisel, Thomas J.
Good, Roman	A61M 29/00	Stenulson, Matthew S.
(51) A61B 17/34	A61F 2/06	Otte, John F.
(11) EP2429426	(11) EP3476424	(31) 201414456454
(21) EP10712654.2	(21) EP18209857.4	(32) 11.08.2014
(47) 07.10.2020	(47) 07.10.2020	(33) United States of America
(87) US2010029675	(22) 08.10.2013	(51) A61B 17/80
28.10.2010	(54) ELASTIC INTRODUCER SHEATH	A61B 17/82
(22) 01.04.2010	(73) Medtronic Inc.	(11) EP3413821
(54) AUTO-CLOSURE APICAL ACCESS	(72) MACAULAY, Patrick	(21) EP17705329.5
POSITIONER DEVICE	PETER, Stephen	(47) 07.10.2020
(73) Medtronic Inc.	(31) 201261719360 P	(87) EP2017052850
(72) ROTHSTEIN, Paul, T.	(32) 26.10.2012	17.08.2017
HILL, Alexander, J.	(33) United States of America	(22) 09.02.2017
HOBDAY, Michael, J.	(51) A61B 17/68	(54) SPLIT STERNUM PROSTHESIS
GREEN, Michael, M.	A61B 17/72	(73) Scandinavian Real Heart AB
IAZZO, Paul, A.	A61F 2/40	(72) NAJAR, Azad
(31) 172256 P	(11) EP3170465	(31) 1650170
750829	(21) EP14897803.4	1651078
(32) 24.04.2009	(47) 07.10.2020	(32) 10.02.2016
31.03.2010	(87) CN2014000681	21.07.2016
(33) United States of America	21.01.2016	(33) Sweden
United States of America	(22) 17.07.2014	Sweden
(51) A61B 17/34	(54) DEVICE FOR FIXING PROXIMAL	(51) A61B 18/00
A61B 17/56	HUMERUS	A61N 1/05
A61M 5/00	(73) Tang, Peifu	A61F 2/90
A61M 5/28	Chen, Hua	A61F 2/91
A61M 5/46	Beijing Guoxietang Technology	(11) EP3364915
A61M 37/00	Development Co., Ltd.	(21) EP16858159.3
(11) EP3344326	(72) CHEN, Hua	(47) 07.10.2020
(21) EP16840472.1	TANG, Peifu	(87) US2016057768
(47) 07.10.2020	DUAN, Hongjie	27.04.2017
(87) CA2016051033	(51) A61B 17/70	(22) 19.10.2016
09.03.2017	A61B 17/80	(54) MEDICAL DEVICE FOR SENSING AND
(22) 31.08.2016	A61F 2/28	OR STIMULATING TISSUE
(54) INTRAOSSEOUS INJECTION DEVICE	A61F 2/30	(73) The University of Melbourne
(73) Pyng Medical Corp.	A61F 2/44	(72) OXLEY, Thomas J.
(72) CHARLEBOIS, Paul	A61F 2/46	OPIE, Nicholas L.
LUBBEN, Michael	A61F 2/76	RIND, Gil S.
BROWNE, Gregory Vincent	(11) EP3173051	RONAYNE, Stephen
RANGER, Nicole	(21) EP17151803.8	JOHN, Sam E.
DENNY, Christopher Grant	(47) 07.10.2020	MAY, Clive N.
(31) 201562212421 P	(22) 01.03.2012	GRAYDEN, David
(32) 31.08.2015	(54) INTERBODY DEVICE AND PLATE	(31) 2015904302
(33) United States of America	FOR SPINAL STABILIZATION AND	2015905045
(51) A61B 17/34	INSTRUMENTS FOR POSITIONING	201662379625 P
A61B 17/70	SAME	(32) 20.10.2015
A61B 17/88	(73) Warsaw Orthopedic, Inc.	04.12.2015
A61B 90/00	(72) ARMSTRONG, William, D	25.08.2016
(11) EP3199115	CARLS, Thomas, A.	(33) Australia
(21) EP17160251.9	COWAN, John, A.	Australia
(47) 07.10.2020	DUNCAN, James P.	United States of America
(22) 04.08.2006	HYNES, Richard, A.	(51) A61B 18/14
(54) SYSTEM FOR SPINAL IMPLANT	MELKENT, Anthony, J.	(11) EP3494916
PLACEMENT	MOBASSER, Jean-Pierre	(21) EP19153785.1

(47) 07.10.2020	(31) 2009269978	(22) 17.08.2017
(22) 05.11.2014	(32) 27.11.2009	(54) MILL BLANK FOR DENTAL CAD/ CAM WITH CUTOUT PORTION FOR POSITIONING
(54) CATHETER WITH MEANS FOR DETECTING LOSS OF CONTACT OF ABLATION ELECTRODE	(33) Japan	(73) SHOFU INC.
(73) Biosense Webster (Israel) Ltd.	(51) A61C 1/08	(72) KADOBAYASHI, Yusei
(72) GOVARI, Assaf	A61C 8/00	SHIGEZAWA, Masako
ALTMANN, Andres Claudio	(11) EP3461452	(31) 2016160255
(31) 201314072885	(21) EP18000332.9	(32) 17.08.2016
(32) 06.11.2013	(47) 07.10.2020	(33) Japan
(33) United States of America	(22) 21.08.2015	(51) A61C 13/00
(51) A61B 18/22	(54) SURGICAL TEMPLATE FOR PALATAL IMPLANTS	A61C 13/01
(11) EP2624778	(73) Maino Dott. Bortolo Giuliano	A61C 13/08
(21) EP11816995.2	Orthomodul Di Paoletto Emanuele	A61C 13/10
(47) 07.10.2020	(72) Maino, Bortolo Giuliano	(11) EP3073955
(87) US2011047273	Orthomodul, di Paoletto Emanuele	(21) EP14799733.2
16.02.2012	(31) VI20140220	(47) 07.10.2020
(22) 10.08.2011	(32) 02.09.2014	(87) EP2014074498
(54) LASER OPTICAL FIBER STORAGE	(33) Italy	04.06.2015
(73) Patient Pocket, Llc	(51) A61C 1/08	(22) 13.11.2014
(72) SEFTEL, Allen, D.	A61C 9/00	(54) ARTIFICIAL TOOTH AND METHOD FOR PRODUCING A PROSTHESIS BASE
FLOURY, Christopher	(11) EP2937058	(73) Vita Zahnfabrik H. Rauter GmbH & Co. KG
LITKE, Ronald, George	(21) EP15164682.5	(72) FÖRTSCH, Jürgen
MORTON, Robert	(47) 07.10.2020	EGLE, Franz
ROBINSON, Andrew	(22) 22.04.2015	KERSCHENSTEINER, Eva
SHORE, Spencer, William	(54) HEAD MOUNTED PLATFORM FOR INTEGRATION OF VIRTUALITY INTO REALITY	CHRISTEN, Urban
(31) 201161466216 P	(73) Ellerbrock, Christof	(31) 13194419
372150 P	(72) Ellerbrock, Christof	(32) 26.11.2013
(32) 22.03.2011	(31) 102014207749	(33) European Patent Office (EPO)
10.08.2010	(32) 24.04.2014	(51) A61D 1/02
(33) United States of America	(33) Germany	A61D 7/00
United States of America	(51) A61C 8/00	A61J 1/20
(51) A61C 1/00	(11) EP3558156	A61K 39/00
A61C 13/15	(21) EP17829635.6	A61K 39/02
A61G 15/14	(47) 07.10.2020	A61K 39/12
(11) EP3496648	(87) EP2017083939	(11) EP2802348
(21) EP17757986.9	28.06.2018	(21) EP13702734.8
(47) 07.10.2020	(22) 20.12.2017	(47) 07.10.2020
(87) US2017046726	(54) DENTAL INSERT FOR THE CONNECTION OF A DENTAL IMPLANT WITH A DENTAL ATTACHMENT	(87) EP2013000090
22.02.2018	(73) Universität Basel	18.07.2013
(22) 14.08.2017	(72) STÜBINGER, Stefan	(22) 14.01.2013
(54) MODULAR DENTAL TOOL AND DOCKING STATION	LINK, Markus	(54) KIT FOR PRODUCING A VACCINE
(73) KaVo Dental Technologies, LLC	(31) 16206721	(73) Boehringer Ingelheim Vetmedica GmbH
KaVo Dental GmbH	(32) 23.12.2016	(72) RAULEDER, Dirk Neven
(72) ST. LOUIS, Robert, Thomas	(33) European Patent Office (EPO)	BEHRENS, Gerald
DUNAWAY, Michael, Carl	(51) A61C 13/00	ELBERS, Knut
EMDE, Frank, Ulrich	(11) EP3174493	(31) 102012000507
KHER, Amod, Ashok	(21) EP15756565.6	201261586353 P
HARPER, Tyler, Ray	(47) 07.10.2020	(32) 13.01.2012
SHIPPEE, Nathan, Lamb	(87) EP2015067647	13.01.2012
SAUTER, Johannes	04.02.2016	(33) Germany
NIEDERREUTER, Patrick	(22) 31.07.2015	United States of America
(31) 201615236854	(54) METHOD FOR THE VIRTUAL SECONDARY MACHINING OF A GINGIVA MODEL	(51) A61D 7/04
(32) 15.08.2016	(73) Sirona Dental Systems GmbH	A61M 15/00
(33) United States of America	(72) JORDAN, Thorsten	(11) EP3035886
(51) A61C 1/07	(31) 102014215103	(21) EP14766656.4
A61C 17/20	(32) 31.07.2014	(47) 07.10.2020
(11) EP2327369	(33) Germany	(87) EP2014002268
(21) EP10015040.8	(51) A61C 13/00	26.02.2015
(47) 07.10.2020	(11) EP3284438	(22) 19.08.2014
(22) 26.11.2010	(21) EP17186600.7	(54) INHALER
(54) Transducer cover, method for forming the cover, and ultrasonic medical instrument with the cover	(47) 07.10.2020	(73) Boehringer Ingelheim Vetmedica GmbH
(73) Nakanishi Inc.		(72) RAHMEL, Marcus
(72) Nakagawa, Masaki		ENDERT, Guido
Tanaka, Shinichi		WERGEN, Horst

(31) 13004114	(33) France	C04B 35/645
(32) 20.08.2013	(51) A61F 2/16	A61K 6/802
(33) European Patent Office (EPO)	(11) EP3003217	A61K 6/818
(51) A61F 2/02	(21) EP14731452.0	A61K 6/822
A61L 27/14	(47) 07.10.2020	A61K 6/824
C12N 5/071	(87) US2014037646	(11) EP2885259
A61F 2/04	11.12.2014	(21) EP13752623.2
(11) EP2884944	(22) 12.05.2014	(47) 07.10.2020
(21) EP13830009.0	(54) MODULAR INTRAOCULAR LENS	(87) EP2013067281
(47) 07.10.2020	DESIGNS AND METHODS	27.02.2014
(87) US2013055003	(73) Alcon Inc.	(22) 20.08.2013
20.02.2014	The Regents of the University of	(54) ZIRCONIUM OXIDE-BASED
(22) 14.08.2013	Colorado, a body corporate	COMPOSITE MATERIAL
(54) REINFORCED PLACENTAL TISSUE	(72) KAHOOK, Malik, Y.	(73) CeramTec GmbH
GRAFTS AND METHODS OF MAKING	MANDAVA, Naresh	(72) GOTTWIK, Lukas
AND USING THE SAME	SUSSMAN, Glenn	KUNTZ, Meinhard
(73) MiMedx Group, Inc.	MCLEAN, Paul	PORPORATI, Alessandro, Alan
(72) KOOB, Thomas J.	ATKINSON, Robert, E.	EHRlich, Juliane
TOFE, Robert	(31) 201361830491 P	MORHARDT, Andreas
CHEN, Elizabeth	201313969115	FRIEDERICH, Kilian
(31) 201261683699 P	(32) 03.06.2013	(31) 102012214749
201361808171 P	16.08.2013	102012215658
(32) 15.08.2012	(33) United States of America	(32) 20.08.2012
03.04.2013	United States of America	04.09.2012
(33) United States of America	(51) A61F 2/24	(33) Germany
United States of America	(11) EP3125826	Germany
(51) A61F 2/07	(21) EP15703350.7	(51) A61F 2/915
A61F 2/89	(47) 07.10.2020	(11) EP3538035
A61F 2/95	(87) US2015011387	(21) EP17805066.2
(11) EP2640312	08.10.2015	(47) 07.10.2020
(21) EP11785531.2	(22) 14.01.2015	(87) US2017061208
(47) 07.10.2020	(54) PARAVALVULAR SEALING VIA	17.05.2018
(87) US2011058938	EXTENDED CUFF MECHANISMS	(22) 13.11.2017
24.05.2012	(73) St. Jude Medical, Cardiology Division,	(54) STENT
(22) 02.11.2011	Inc.	(73) Covidien LP
(54) SYSTEM FOR TREATING VASCULAR	(72) BRAIDO, Peter N.	(72) VOGEL, Jeffrey
DISEASE	ALKHATIB, Yousef F.	(31) 201615351007
(73) W. L. Gore & Associates, Inc.	ANDERL, Steven Frederick	(32) 14.11.2016
(72) SHAW, Edward, E.	DALY, Jacob John	(33) United States of America
(31) 201113287003	FAHIM, Mina S.	(51) A61F 2/966
413855 P	SMITH, Kent J.	(11) EP2950756
(32) 01.11.2011	THOMAS, Ralph Joseph	(21) EP14703497.9
15.11.2010	(31) 201461972831 P	(47) 07.10.2020
(33) United States of America	(32) 31.03.2014	(87) US2014012322
United States of America	(33) United States of America	07.08.2014
(51) A61F 2/14	(51) A61F 2/24	(22) 21.01.2014
A61N 1/05	(11) EP3405139	(54) DELIVERY DEVICE DISTAL SHEATH
G09G 3/20	(21) EP16781137.1	CONNECTOR
G09G 3/34	(47) 07.10.2020	(73) St. Jude Medical, Cardiology Division,
(11) EP3123462	(87) EP2016074613	Inc.
(21) EP15714874.3	27.07.2017	(72) IBELING, John W.
(47) 07.10.2020	(22) 13.10.2016	(31) 201313753077
(87) FR2015050654	(54) ANNULOPLASTY IMPLANT	(32) 29.01.2013
01.10.2015	(73) Medtentia International Ltd Oy	(33) United States of America
(22) 18.03.2015	(72) O' CARROLL, Ger	(51) A61F 5/01
(54) DISPLAY CONTROL METHOD AND	PUGH, Mark	(11) EP3242642
DEVICE FOR IMPLEMENTING SAID	MORAN, Adrian	(21) EP16702997.4
METHOD	XIE, Chen	(47) 07.10.2020
(73) CNRS Centre National de la Recherche	(31) 201662281751 P	(87) US2016012346
Scientifique	(32) 22.01.2016	14.07.2016
Sorbonne Université	(33) United States of America	(22) 06.01.2016
(72) BENOSMAN, Ryad	(51) A61F 2/30	(54) ORTHOPEDIC DEVICE FOR TREATING
CHENEGROS, Guillaume	A61L 27/10	OSTEOARTHRITIS OF THE KNEE
KIME, Sihem	A61L 27/12	(73) Ossur Iceland EHF
IENG, Siohoi	A61L 27/42	(72) ALBERTSSON, Halldor
SAHEL, José-Alain	A61L 27/50	INGIMUNDARSON, Arni Thor
(31) 1452557	C04B 35/488	PALSDOTTIR, Helga Run
(32) 26.03.2014	C04B 35/626	(31) 201562100319 P

(32) 06.01.2015	(21) EP18189288.6	G05B 19/418
(33) United States of America	(47) 07.10.2020	(11) EP3466381
(51) A61F 5/01	(22) 16.08.2018	(21) EP16903046.7
A61F 5/02	(54) USE OF HEARING PROTECTION TO	(47) 07.10.2020
(11) EP2844197	DISCRIMINATE BETWEEN DIFFERENT	(87) JP2016065168
(21) EP13719127.6	NOISES AND IDENTIFY INDIVIDUAL	30.11.2017
(47) 07.10.2020	NOISE SOURCES TO CONTROL AND	(22) 23.05.2016
(87) EP2013059021	REDUCE RISK OF NOISE INDUCED	(54) PRODUCTION METHOD FOR
07.11.2013	HEARING LOSS	ABSORBENT ARTICLE
(22) 30.04.2013	(73) Honeywell International Inc.	(73) Unicharm Corporation
(54) FASTENING DEVICE FOR ORTHOSES	(72) MUGGLETON, Neal	(72) HAGITA, Hiromi
(73) Bauerfeind AG	(31) 201762546089 P	(51) A61F 13/472
(72) ROEBELT, Gerhard	(32) 16.08.2017	A61F 13/475
BAETZ, Ronny	(33) United States of America	A61F 13/49
STIER, Gerald	(51) A61F 13/00	A61F 13/496
(31) 102012009214	A61F 13/02	A61F 13/505
(32) 02.05.2012	A61M 25/02	A61F 13/72
(33) Germany	(11) EP2934402	(11) EP2830562
(51) A61F 7/00	(21) EP13824048.6	(21) EP13716109.7
A61F 7/02	(47) 07.10.2020	(47) 07.10.2020
(11) EP3236899	(87) US2013075252	(87) US2013033972
(21) EP15828549.4	26.06.2014	03.10.2013
(47) 07.10.2020	(22) 16.12.2013	(22) 27.03.2013
(87) US2015000177	(54) MEDICAL DRESSING COMPRISING A	(54) MENSTRUAL PANT
30.06.2016	FLAP	(73) The Procter & Gamble Company
(22) 23.12.2015	(73) 3M Innovative Properties Company	(72) GRAY, Brian, Francis
(54) CONFIGURABLE CONVECTIVE	(72) HANSON, Jennifer, N.	SEITZ, Brett, Darren
DEVICE	PETERSON, Donald, G.	VELARDE, Andres, Ernesto
(73) 3M Innovative Properties Company	DETERMAN, Michael, D.	LAVASH, Bruce, William
(72) MCGREGOR, Andrew J.	FRYXELL, Matthew, H.	(31) 201261618331 P
(31) 201462096133 P	HOMMES, Joseph, M.	(32) 30.03.2012
201562213498 P	PLUMB, Michael, R.	(33) United States of America
(32) 23.12.2014	PRABHU, Anila	(51) A61F 13/49
02.09.2015	TSE, Kiu-Yuen	A61F 13/494
(33) United States of America	(31) 201261740778 P	A61F 13/511
United States of America	201361783582 P	A61F 13/537
(51) A61F 9/007	(32) 21.12.2012	(11) EP2886091
(11) EP2739253	14.03.2013	(21) EP12883414.0
(21) EP12820219.9	(33) United States of America	(47) 07.10.2020
(47) 07.10.2020	United States of America	(87) JP2012070991
(87) AU2012000915	(51) A61F 13/15	27.02.2014
07.02.2013	(11) EP3292850	(22) 20.08.2012
(22) 02.08.2012	(21) EP17198067.5	(54) NOVEL ABSORBENT ARTICLE
(54) GROOVED NEEDLE TIP FOR	(47) 07.10.2020	PROVIDED WITH LEG GATHERS
SURGICAL INSTRUMENT	(22) 13.10.2011	(73) Daio Paper Corporation
(73) Morlet, Nigel	(54) METHOD FOR PRODUCING	(72) SUZUKI, Migaku
(72) Morlet, Nigel	COMPOSITE STRUCTURE	HIRAI, Yoshio
(31) 2011903103	(73) Drylock Technologies NV	(51) A61F 13/49
(32) 03.08.2011	(72) VAN DE MAELE, Marleen	A61F 13/51
(33) Australia	(31) 10447024	A61F 13/514
(51) A61F 9/007	10447023	(11) EP3134047
(11) EP3473217	10447022	(21) EP15783332.8
(21) EP18189352.0	10447021	(47) 07.10.2020
(47) 07.10.2020	10447020	(87) US2015026119
(22) 16.08.2018	11153268	29.10.2015
(54) DEVICE FOR CUTTING AND	(32) 13.10.2010	(22) 16.04.2015
ASPIRATING TISSUE FROM A HUMAN	13.10.2010	(54) STRETCH BREATHABLE PROTECTIVE
OR ANIMAL EYE	13.10.2010	ABSORBENT ARTICLE USING TRI-
(73) Geuder AG	13.10.2010	LAMINATE
(72) Engel, Stefan	13.10.2010	(73) Medline Industries, Inc.
Schlund, Christopher	03.02.2011	(72) NELSON, Christopher
(31) 102017218491	(33) European Patent Office (EPO)	(31) 201414257450
(32) 17.10.2017	European Patent Office (EPO)	(32) 21.04.2014
(33) Germany	European Patent Office (EPO)	(33) United States of America
(51) A61F 11/14	European Patent Office (EPO)	(51) A61F 13/49
H04R 1/10	European Patent Office (EPO)	A61F 13/511
(11) EP3445065	European Patent Office (EPO)	(11) EP3307220
	(51) A61F 13/15	(21) EP15890245.2

(47) 07.10.2020	(73) KMS Kirchensaller Maschinenbau	(33) United States of America
(87) CN2015077760	Schaser UG	United States of America
03.11.2016	(72) Schaser, Mathias	United States of America
(22) 29.04.2015	Hähndel, Gerhard	
(54) BELT WITH TREATED INNER SURFACE	(31) 102016115648	(51) A61H 31/00
(73) The Procter & Gamble Company	(32) 23.08.2016	A61N 1/39
(72) PRODOEHL, Ellyne Elizabeth	(33) Germany	(11) EP2653146
ZINK, Ronald Joseph	(51) A61H 1/02	(21) EP13152753.3
MORIMOTO, Koichi	A61H 3/00	(47) 07.10.2020
SO, Albert Choy	(11) EP3470042	(22) 25.01.2013
CHENG, Chunmin	(21) EP18188300.0	(54) Corrective prompting system for appropriate chest compressions
(51) A61G 1/02	(47) 07.10.2020	(73) Cardiac Science Corporation
A61G 7/08	(22) 09.08.2018	(72) Thiagarajan, Srikanth
B60B 33/02	(54) ACTUATOR AND MOTION ASSISTANCE APPARATUS INCLUDING THE SAME	Taylor, James W.
(11) EP3552592	(73) Samsung Electronics Co., Ltd.	(31) 201261636419 P
(21) EP19167256.7	(72) Lee, Jongwon	(32) 20.04.2012
(47) 07.10.2020	Park, Youngjin	(33) United States of America
(22) 04.04.2019	Lee, Youn Baek	(51) A61H 39/08
(54) MOTORIZED TRANSPORT STRUCTURE FOR HEALTHCARE USE OR SIMILAR	Kim, Jeonghun	(11) EP3316845
(73) Favero Health Projects Spa	Roh, Se-Gon	(21) EP16750899.3
(72) Favero, Giordano	Lee, Minhyung	(47) 07.10.2020
(31) 201800004366	Choi, Byungjune	(87) FR2016051608
(32) 10.04.2018	Choi, Hyun do	05.01.2017
(33) Italy	(31) 20170133966	(22) 28.06.2016
(51) A61G 5/06	(32) 16.10.2017	(54) IMPLANTATION DEVICE COMPRISING A SET OF IMPLANTS
A61G 5/04	(33) Korea (Republic)	(73) Sedatelec
(11) EP3528762	(51) A61H 15/00	(72) DUMONT, François
(21) EP17783894.3	(11) EP3461372	(31) 1556235
(47) 07.10.2020	(21) EP18187043.7	(32) 02.07.2015
(87) EP2017076772	(47) 07.10.2020	(33) France
26.04.2018	(22) 02.08.2018	(51) A61J 1/10
(22) 19.10.2017	(54) PADDING DEVICE	A61J 1/14
(54) VEHICLE WHEEL ASSEMBLY	(73) de Werth Group AG	A61M 5/14
(73) Airbus Defence and Space Limited	(72) Schneider, Johannes	A61M 5/162
(72) GARLAND, Martin	Dewert, Eckhart	(11) EP3357527
LACHAT, Daisy	(31) 102017122499	(21) EP18153124.5
REMION, Jo	102017126092	(47) 07.10.2020
LINES, David	(32) 27.09.2017	(22) 24.01.2018
(31) 16275157	08.11.2017	(54) SPIKE FOR A MEDICAL INFUSION SYSTEM, DRIP CHAMBER AND INFUSION SYSTEM
(32) 21.10.2016	(33) Germany	(73) B. Braun Melsungen AG
(33) European Patent Office (EPO)	Germany	(72) SCHLITT, Christof
(51) A61G 5/12	(51) A61H 31/00	LUTZ, Manfred
A61G 7/053	A61M 16/00	(31) 102017201755
A61G 7/10	A61M 16/06	(32) 03.02.2017
A61G 5/04	A61M 16/08	(33) Germany
(11) EP3558207	A61M 16/10	
(21) EP17828668.8	(11) EP1863554	(51) A61J 1/10
(47) 07.10.2020	(21) EP06721299.3	C08L 53/02
(87) EP2017081590	(47) 07.10.2020	C08L 65/00
28.06.2018	(87) AU2006000417	(11) EP2930211
(22) 05.12.2017	05.10.2006	(21) EP13860509.2
(54) AN APPARATUS FOR TRANSPORTING A PATIENT	(22) 29.03.2006	(47) 07.10.2020
(73) Mallisho, Amjad	(54) VENTLESS MASK CPAP SYSTEM	(87) JP2013082197
(72) Mallisho, Amjad	(73) ResMed Pty Ltd	12.06.2014
(31) 201622042	(72) SELVARAJAN, Karthikeyan	(22) 29.11.2013
(32) 22.12.2016	KWOK, Philip Rodney	(54) RESIN COMPOSITION AND MEDICAL DRUG CONTAINER USING SAME
(33) United Kingdom	KENYON, Barton John	(73) Zeon Corporation
(51) A61G 13/00	GREGORY, Bruce David	(72) SAWAGUCHI Taichi
A61H 1/02	REED, Nicholas Jerome	ADACHI Satoshi
(11) EP3287112	BLUNSDEN, Christopher Kingsley	MIYAZAWA Shinsuke
(21) EP17186809.4	(31) 667052 P	YABUKI, Nozomi
(47) 07.10.2020	706430 P	(31) 2012265867
(22) 18.08.2017	775334 P	2013171819
(54) THERAPY COUCH	(32) 01.04.2005	(32) 05.12.2012
	09.08.2005	22.08.2013
	22.02.2006	

(33) Japan	Busch, Thomas	(54) LIQUID NEUROTOXIN FORMULATION
Japan	(72) ENGHARD, Florian	STABILIZED WITH TRYPTOPHAN OR
(51) A61J 1/20	ENGHARD, Armin	TYROSINE
A61J 3/00	(31) 102016009358	(73) Ipsen Biopharm Limited
(11) EP3415136	(32) 03.08.2016	Nestlé Skin Health SA
(21) EP18182525.8	(33) Germany	(72) JARSTAD, Anders
(47) 07.10.2020	(51) A61K 6/818	FRIIS, Anna
(22) 04.08.2014	(11) EP3496657	STAHL, Ulf
(54) COMPOUNDING SYSTEMS AND	(21) EP17755112.4	GURELL, Ann
METHODS FOR SAFE MEDICAMENT	(47) 07.10.2020	AGREN, Barbro
TRANSPORT	(87) EP2017070172	EDSTROM, Emilia
(73) J&J Solutions, Inc. D.B.A Corvida	15.02.2018	PICKETT, Andrew
Medical	(22) 09.08.2017	(31) PCT/EP2016/062085
Garfield, Jared	(54) BLANK AND METHOD FOR	(32) 27.05.2016
Lyon, Gregory	PRODUCING A TOOTH	(33) World Intellectual Property Office (WIPO)
(72) GARFIELD, Jared	REPLACEMENT PART	(51) A61K 8/20
LYON, Gregory	(73) Sirona Dental Systems GmbH	A61K 8/39
(31) 201361861680 P	(72) BÄURER, Michael	A61K 8/81
201461984144 P	(31) 102016214725	A61Q 19/00
(32) 02.08.2013	(32) 09.08.2016	(11) EP3493787
25.04.2014	(33) Germany	(21) EP17758219.4
(33) United States of America	(51) A61K 8/02	(47) 07.10.2020
United States of America	A61K 8/04	(87) FR2017051950
(51) A61J 1/20	A61K 8/25	08.02.2018
B25J 9/00	A61K 8/87	(22) 18.07.2017
B25J 15/00	A61Q 3/02	(54) THICKENED, CLEAR SALT-RICH
B25J 15/06	(11) EP3302406	COMPOSITION, METHOD FOR
B25J 21/00	(21) EP16741051.3	LIGHTENING SAME, AND USE
B65B 3/00	(47) 07.10.2020	THEREOF IN COSMETICS
B65B 7/28	(87) FR2016051317	(73) Société d'Exploitation de Produits pour
B65B 9/00	08.12.2016	les Industries Chimiques SEPPIC
B65B 31/02	(22) 02.06.2016	(72) VERDU, Benoît
B65B 43/46	(54) STRIPPABLE AQUEOUS COSMETIC	SOURDON, Cindy
B65B 43/54	NAIL VARNISH COMPOSITION	ROSO, Alicia
B65B 65/00	CONTAINING STABILISED	(31) 1657588
B65B 69/00	POLYURETHANE	(32) 05.08.2016
B67C 7/00	(73) Fiabila	(33) France
G07F 17/00	(72) MAGNET, Serge	(51) A61K 8/22
(11) EP3398905	(31) 1555058	A61K 8/34
(21) EP16880883.0	(32) 03.06.2015	A61K 9/00
(47) 07.10.2020	(33) France	A61K 9/08
(87) CN2016108369	(51) A61K 8/19	A61K 33/40
06.07.2017	A61K 8/39	A61M 35/00
(22) 02.12.2016	A61K 8/49	A61P 17/00
(54) PREFILLED SYRINGE FILLING	A61K 8/66	A61P 17/12
MACHINE	A61K 9/00	A61P 31/00
(73) Truking Technology Limited	A61K 31/405	A61P 35/00
(72) BAI, Tianqiao	A61K 31/506	A61Q 19/00
CAI, Dayu	A61K 38/48	A61Q 19/08
LI, Xinhua	A61K 47/02	(11) EP3134061
PENG, Wei	A61K 47/26	(21) EP15783903.6
ZHOU, Huaizhou	A61P 5/00	(47) 07.10.2020
(31) 201511014289	A61P 13/00	(87) US2015026948
(32) 31.12.2015	A61P 19/00	29.10.2015
(33) China	A61P 19/02	(22) 21.04.2015
(51) A61J 9/00	A61P 25/00	(54) PEROXIDE FORMULATIONS AND
A61J 9/04	A61P 27/02	METHODS AND APPLICATORS FOR
(11) EP3493784	A61P 29/00	USING THE SAME
(21) EP17767984.2	A61Q 19/08	(73) Aclaris Therapeutics, Inc.
(47) 07.10.2020	A61K 47/18	(72) SHANLER, Stuart D.
(87) DE2017000238	(11) EP3463432	POWALA, Christopher
08.02.2018	(21) EP17728095.5	PHILLIPS, Christopher
(22) 03.08.2017	(47) 07.10.2020	BEGER, Brian
(54) PRESSURE EQUALISER FOR	(87) EP2017062785	GREENAWAY EVANS, Charles Rodney
BABY BOTTLE AND BABY BOTTLE	30.11.2017	BROWN, Marc Barry
ASSEMBLY	(22) 26.05.2017	BOTTA, Michael A.
(73) Enghard, Florian		NAGLER, Thomas
Enghard, Armin		LIM, Sian Tiong.

(31) 201461982217 P	(21) EP14764420.7	(21) EP10723263.9
201462085466 P	(47) 07.10.2020	(47) 07.10.2020
(32) 21.04.2014	(87) US2014029685	(87) GB2010000595
28.11.2014	18.09.2014	30.09.2010
(33) United States of America	(22) 14.03.2014	(22) 29.03.2010
United States of America	(54) TREATMENT OF AUTOIMMUNE	(54) CARRIER COMPRISING A VITAMIN E
(51) A61K 8/22	DISEASES	DERIVATIVE AND ANNEXIN V
A61K 8/73	(73) Loma Linda University	(73) UCL BUSINESS LTD
A61K 8/81	(72) ESCHER, Alan P.	(72) CORDEIRO, Francesca
A61K 8/89	(31) 201361800354 P	MOSS, Stephen
A61Q 11/00	(32) 15.03.2013	COXON, Katy
(11) EP3328501	(33) United States of America	DUGGAN, James
(21) EP15757103.5	(51) A61K 9/00	(31) 0905348
(47) 07.10.2020	A61K 9/06	(32) 27.03.2009
(87) US2015046003	A61K 31/4745	(33) United Kingdom
23.02.2017	A61P 17/00	(51) A61K 9/00
(22) 20.08.2015	(11) EP2941233	A61K 9/20
(54) METHOD OF TOOTH WHITENING	(21) EP14735313.0	A61K 9/48
(73) Colgate-Palmolive Company	(47) 07.10.2020	A61K 31/519
(72) PILLAI, Shyamala	(87) US2014010339	A61K 31/5395
HASSAN, Mahmoud	10.07.2014	A61K 47/38
(51) A61K 8/34	(22) 06.01.2014	A61P 17/00
A61K 8/35	(54) COMPOSITIONS AND METHODS	C07D 487/04
A61K 8/37	FOR TREATING CUTANEOUS T CELL	A61K 47/10
A61Q 17/04	LYMPHOMA	(11) EP3107544
(11) EP2921160	(73) The Trustees of the University of	(21) EP15709394.9
(21) EP15162859.1	Pennsylvania	(47) 07.10.2020
(47) 07.10.2020	(72) ROOK, Alain H.	(87) US2015016963
(22) 13.03.2003	GELFAND, Joel M.	27.08.2015
(54) STABILIZATION OF SUNSCREENS IN	WYSOCKA, Maria M.	(22) 20.02.2015
COSMETIC COMPOSITIONS	BENOIT, Bernice M.	(54) SALTS AND SOLID FORM OF A BTK
(73) Unilever N.V.	TROXEL, Andrea Beth	INHIBITOR
(72) Love, Arthur Ray	(31) 201361749739 P	(73) Principia Biopharma Inc.
Kerschner, Judith Lynne	(32) 07.01.2013	(72) MASJEDIZADEH, Mohammad Reza
Barratt, Michael James	(33) United States of America	GOURLAY, Steven
Zhou, Yan	(51) A61K 9/00	(31) 201461943262 P
Chandar, Prem	A61K 9/08	201461946480 P
(31) 366908 P	A61K 31/135	201462096468 P
(32) 22.03.2002	A61P 27/04	(32) 21.02.2014
(33) United States of America	(11) EP2694048	28.02.2014
(51) A61K 8/44	(21) EP12721571.3	23.12.2014
A61K 8/81	(47) 07.10.2020	(33) United States of America
A61Q 5/00	(87) GB2012000330	United States of America
A61Q 5/06	11.10.2012	United States of America
A61Q 5/12	(22) 05.04.2012	(51) A61K 9/00
(11) EP3337444	(54) OPHTHALMIC TREATMENTS	A61K 31/27
(21) EP16837737.2	(73) Optosolve Research & Development Ltd	A61K 31/337
(47) 07.10.2020	(72) SHARMA, Anant	A61K 39/395
(87) US2016047300	(31) 201105731	C07K 16/32
23.02.2017	201105732	A61K 47/50
(22) 17.08.2016	(32) 05.04.2011	A61K 47/68
(54) SYNERGISTIC CONDITIONING	05.04.2011	(11) EP3230322
AND/OR STYLING COMPOSITIONS	(33) United Kingdom	(21) EP15866523.2
COMPRISING POLYQUATERNIUM-37	United Kingdom	(47) 07.10.2020
AND POLYAPTAC	(51) A61K 9/00	(87) US2015065308
(73) Hercules LLC	A61K 9/127	16.06.2016
(72) KROON, Gijsbert	A61K 31/355	(22) 11.12.2015
NUUTINEN, Tuttu Maria	A61K 38/17	(54) BI-FUNCTIONAL ALLOSTERIC
NGUYEN, Thi Bich Van	A61K 47/22	PROTEIN-DRUG MOLECULES FOR
(31) 201562205959 P	A61K 47/24	TARGETED THERAPY
(32) 17.08.2015	A61K 47/28	(73) University of Utah Research Foundation
(33) United States of America	A61K 49/00	(72) WON, Youngwook
(51) A61K 8/64	A61K 49/08	BULL, David, A.
A61K 48/00	A61K 49/18	LIM, Kwangsuk
A61P 17/14	A61P 27/00	(31) 201462090760 P
A61Q 7/00	A61P 27/02	(32) 11.12.2014
C12N 15/85	A61K 47/18	(33) United States of America
(11) EP2968606	(11) EP2411052	(51) A61K 9/00

A61K 31/415	(54) WATER-SOLUBLE POLYSACCHARIDE	(73) Siga Technologies Inc.
A61K 47/32	ETHERS AND THE USE THEREOF	(72) TYAVANAGIMATT, Shanthakumar R.
(11) EP2879664	(73) PHARMPUR GmbH	SAMUEL, N K Peter
(21) EP13766392.8	(72) MENZ, Dirk-Henning	PAZ, Joseph
(47) 07.10.2020	RITTER, Helmut	TAN, Ying
(87) HU2013000080	MÜLLER, Bernd	HRUBY, Dennis E.
06.02.2014	(31) 102009037514	(31) 201361856240 P
(22) 31.07.2013	(32) 17.08.2009	(32) 19.07.2013
(54) TRANSDERMAL FORMULATION	(33) Germany	(33) United States of America
CONTAINING COX INHIBITORS	(51) A61K 9/00	(51) A61K 9/127
(73) Egis Gyógyszergyár Zrt.	A61M 37/00	A61K 31/7088
(72) MIKULÁSIK, Endre	A61N 5/10	A61K 31/713
SPAITS, Tamás	A61K 41/00	A61K 38/10
SZAKÁLYNÉ SINKA, Ágota	(11) EP3180085	A61K 38/48
(31) 201213562686	(21) EP15832565.4	A61P 35/00
(32) 31.07.2012	(47) 07.10.2020	A61K 47/54
(33) United States of America	(87) IL2015050824	A61K 47/62
(51) A61K 9/00	18.02.2016	A61K 47/69
A61K 31/4709	(22) 12.08.2015	A61K 38/08
A61P 27/02	(54) MEANS AND METHODS FOR	(11) EP2852381
(11) EP3184110	TARGETED X-RAY THERAPY	(21) EP13794027.6
(21) EP17156230.9	(73) Convergent R.N.R Ltd	(47) 07.10.2020
(47) 07.10.2020	(72) HAREL, Zeev	(87) US2013042458
(22) 08.11.2012	BURSHEIN ZEEV, Zeev	28.11.2013
(54) PHARMACEUTICAL COMPOSITIONS	BAR-DAVID, Aharon	(22) 23.05.2013
COMPRISING 7-(1H-IMIDAZOL-4-	MARKOVICH, Miri	(54) LIPID NANOPARTICLE
YLMETHYL)-5,6,7,8-TETRAHYDRO-	(31) 201462036624 P	COMPOSITIONS AND METHODS OF
QUINOLINE	(32) 13.08.2014	MAKING AND METHODS OF USING
(73) ALLERGAN, INC.	(33) United States of America	THE SAME
(72) DIBAS, Mohammed I.	(51) A61K 9/06	(73) The Ohio State University
HSIA, Edward C.	A61K 9/08	(72) LEE, Robert, J.
DONELLO, John E.	A61K 38/04	(31) 201261650729 P
GIL, Daniel W.	A61K 38/17	201361784892 P
(31) 201161558104 P	A61K 38/20	(32) 23.05.2012
(32) 10.11.2011	A61P 27/02	14.03.2013
(33) United States of America	(11) EP2849749	(33) United States of America
(51) A61K 9/00	(21) EP13791399.2	United States of America
A61K 33/06	(47) 07.10.2020	(51) A61K 9/14
A61K 38/38	(87) US2013040506	(11) EP3020393
A23K 20/147	21.11.2013	(21) EP15185026.0
A23K 20/24	(22) 10.05.2013	(47) 07.10.2020
A23K 50/40	(54) HISTATIN FOR CORNEAL WOUND	(22) 08.12.2010
A61K 47/42	HEALING AND OCULAR SURFACE	(54) FORMULATIONS AND METHODS FOR
(11) EP3195734	DISEASE	CONTROLLING MDI PARTICLE SIZE
(21) EP17305057.6	(73) Visus Therapeutics, Inc.	DELIVERY
(47) 07.10.2020	(72) SAMBURSKY, Robert P.	(73) 3M Innovative Properties Company
(22) 19.01.2017	VANDINE, Robert W.	(72) STEIN, Stephen W.
(54) FOOD SUPPLEMENT FOR USE IN	CONDON, Peter	(31) 287072 P
COMBATING STRESS AND ANXIETY	(31) 201261648845 P	(32) 16.12.2009
IN PETS	201313788761	(33) United States of America
(73) Domes Pharma	201313788803	(51) A61K 9/16
(72) CHAUDER, Anne	(32) 18.05.2012	A61K 9/19
(31) 1650472	07.03.2013	A61K 31/519
(32) 21.01.2016	07.03.2013	A61P 25/18
(33) France	(33) United States of America	A61K 47/34
(51) A61K 9/00	United States of America	(11) EP3566696
A61L 31/04	United States of America	(21) EP19176691.4
C08B 11/20	(51) A61K 9/10	(47) 07.10.2020
C08B 13/00	A61P 31/12	(22) 10.04.2012
C08L 1/32	C07D 209/76	(54) RISPERIDONE SUSTAINED RELEASE
C09K 19/38	(11) EP3021836	MICROSPHERE COMPOSITION
(11) EP2467425	(21) EP14825621.7	(73) Shan Dong Luye Pharmaceutical Co.,
(21) EP10744579.3	(47) 07.10.2020	Ltd.
(47) 07.10.2020	(87) US2014046340	Nanjing Luye Pharmaceutical Co., Ltd.
(87) EP2010061971	22.01.2015	(72) Sun, Kaoxiang
24.02.2011	(22) 11.07.2014	Liang, Rongcai
(22) 17.08.2010	(54) AMORPHOUS TECOVIRIMAT	Wang, Qilin
	PREPARATION	Wang, Wenyan

Liu, Wanhui	(32) 20.08.2012	(32) 13.12.2010
Li, Youxin	20.08.2012	(33) United States of America
(31) 201110102840	21.12.2012	(51) A61K 31/10
(32) 25.04.2011	20.02.2013	A61K 31/56
(33) China	(33) Denmark	A61P 31/02
(51) A61K 9/16	World Intellectual Property Office (WIPO)	C07J 41/00
A61K 31/436	Denmark	(11) EP3285751
A61K 48/00	Denmark	(21) EP16783970.3
A61P 37/00	(51) A61K 9/70	(47) 07.10.2020
(11) EP2991646	A61K 31/122	(87) US2016028921
(21) EP14791496.4	A61K 47/32	27.10.2016
(47) 07.10.2020	A61K 47/38	(22) 22.04.2016
(87) US2014036700	(11) EP3488846	(54) CATIONIC STEROIDAL
06.11.2014	(21) EP18212173.1	ANTIMICROBIAL SALTS
(22) 02.05.2014	(47) 07.10.2020	(73) Brigham Young University
(54) METHODS AND COMPOSITIONS FOR	(22) 17.01.2013	(72) SAVAGE, Paul B.
ENHANCING CD4+ REGULATORY T	(54) TRANSMUCOSAL ADMINISTRATION	CHITRE, Saurabh Shashikant
CELLS	SYSTEM FOR A PHARMACEUTICAL	VARIA, Kunal Arvind
(73) Selecta Biosciences, Inc.	DRUG	REECE, Hayley Ann
(72) KISHIMOTO, Takashi, Kei	(73) LTS Lohmann Therapie-Systeme AG	JACKS, Thomas Elliot
MALDONADO, Roberto, A.	Santhera Pharmaceuticals (Schweiz) AG	MILLER, Ross Allen
(31) 201361819517 P	(72) Krumme, Markus	RANDALL, Jared Lynn
201361881913 P	Jensen, Keith	(31) 201562151019 P
201361881921 P	Dubach-Powell, Judith	201562165013 P
201361881851 P	Hausmann, Rudolf	201562191916 P
201361907177 P	(31) 201213354714	(32) 22.04.2015
201461948313 P	(32) 20.01.2012	21.05.2015
201461948384 P	(33) United States of America	13.07.2015
(32) 03.05.2013	(51) A61K 31/047	(33) United States of America
24.09.2013	A61K 31/075	United States of America
24.09.2013	A61P 5/24	United States of America
24.09.2013	A23L 33/10	(51) A61K 31/165
21.11.2013	(11) EP3375439	A61P 29/00
05.03.2014	(21) EP16864473.0	A61P 31/00
05.03.2014	(47) 07.10.2020	C07C 233/40
(33) United States of America	(87) KR2016011806	C07C 235/34
United States of America	18.05.2017	(11) EP3369725
United States of America	(22) 20.10.2016	(21) EP16859064.4
United States of America	(54) COMPOSITION FOR ALLEVIATING,	(47) 07.10.2020
United States of America	PREVENTING OR TREATING	(87) CN2016103693
United States of America	PREMENSTRUAL SYNDROME,	04.05.2017
United States of America	CONTAINING PINITOL OR D-CHIRO-	(22) 28.10.2016
United States of America	INOSITOL	(54) POLYAMINE DERIVATIVE MEDICINAL
(51) A61K 9/19	(73) DY Natural Co., Ltd.	SALT AND PREPARATION METHOD
C08L 3/00	(72) MYEONG, Hyun Koon	AND USE
C12N 1/04	KIM, Kwang Kyu	(73) Chongqing Antixin Biotechnology Co. Ltd
C12N 1/20	(31) 20150156930	Grand Pharma (China) Co., Ltd.
C12R 1/01	(32) 09.11.2015	(72) ZHENG, Yue
C12R 1/225	(33) Korea (Republic)	DENG, Jun
C12R 1/23	(51) A61K 31/047	LIU, Qingguang
C12R 1/46	A61K 31/4402	(31) 201510729318
(11) EP2885395	A61K 31/4412	(32) 29.10.2015
(21) EP13756011.6	A61P 1/10	(33) China
(47) 07.10.2020	(11) EP2651415	(51) A61K 31/31
(87) EP2013067338	(21) EP11848334.6	A61K 31/7088
27.02.2014	(47) 07.10.2020	G01N 33/52
(22) 20.08.2013	(87) AU2011001609	C12Q 1/68
(54) METHOD FOR FREEZE DRYING	21.06.2012	(11) EP3158089
A BACTERIA-CONTAINING	(22) 13.12.2011	(21) EP15811607.9
CONCENTRATE	(54) GASTRIC AND COLONIC	(47) 07.10.2020
(73) Chr. Hansen A/S	FORMULATIONS AND METHODS FOR	(87) US2015036763
(72) GEORGIEVA, Tania Ivanova	MAKING AND USING THEM	30.12.2015
CLAUSEN, Anders	(73) Rite-Prep Pty Ltd.	(22) 19.06.2015
ABRAHAMSEN, Susanne	(72) Borody Thomas Julius	(54) ON-SLIDE STAINING BY PRIMER
THORSEN, Tina Malling	Ramrakha Sanjay	EXTENSION
(31) 201200513	Saxon John	(73) The Board of Trustees of the Leland
PCT/EP2012/066208	Wettstein Antony	Stanford Junior University
201200821	(31) 422567 P	(72) SAMUSIK, Nikolay
201300101		

NOLAN, Garry P. GOLTSEV, Yury MCILWAIN, David Robert	WETTERAU II, John Rowley WODKA, Dariusz Stanislaw XU, Yangping	(32) 16.12.2008 01.06.2009 (33) United States of America United States of America
(31) 201462015799 P 201414560921	(31) 201662375169 P (32) 15.08.2016 (33) United States of America	(51) A61K 31/41 A61K 31/665 A61K 38/19 A61P 31/00
(32) 23.06.2014 04.12.2014	(51) A61K 31/395 A61K 31/519 A61K 31/573	(11) EP3177315 (21) EP15747491.7 (47) 07.10.2020 (87) EP2015068269 11.02.2016
(33) United States of America United States of America	A61P 29/00 A61P 35/02 (11) EP3269367 (21) EP16761861.0 (47) 07.10.2020 (87) JP2016057795 15.09.2016	(22) 07.08.2015 (54) COMPOSITIONS FOR THE TREATMENT OF PERITONITIS (73) Reponex Pharmaceuticals A/S (72) HESLET, Lars UTTENTHAL, Lars Otto
(51) A61K 31/337 A61K 31/704 A61P 35/00	(73) Riken (72) ISHIKAWA Fumihiko SAITO Yoriko	(31) 201470473 (32) 07.08.2014 (33) Denmark
(11) EP2010191 (21) EP07761129.1 (47) 07.10.2020 (87) US2007067225 01.11.2007	(31) 201562131646 P (32) 11.03.2015 (33) United States of America	(51) A61K 31/415 A61K 31/422 A61K 31/425 A61K 31/427 A61K 31/44 A61K 31/496 A61K 31/497 A61P 9/10 A61P 25/00 C07D 231/14 C07D 417/04
(22) 23.04.2007 (54) ANTICANCER TREATMENT WITH A COMBINATION OF PACLITAXEL AND 13-DEOXYANTHRACYCLINES	(51) A61K 31/4035 A61P 35/00 A61P 35/04 C07D 207/452 C07D 207/456 C07D 209/48	(11) EP3331525 (21) EP16835706.9 (47) 07.10.2020 (87) US2016045846 16.02.2017
(73) Gem Pharmaceuticals, LLC (72) OLSON, Richard D. WALSH, Gerald M.	(11) EP3442943 (21) EP17781669.1 (47) 07.10.2020 (87) CA2017050432 19.10.2017	(22) 05.08.2016 (54) USE OF CRAC CHANNEL INHIBITORS FOR THE TREATMENT OF STROKE AND TRAUMATIC BRAIN INJURY (73) Calcimedica, Inc. Va Medical Center (72) STAUDERMAN, Kenneth DUNN, Michael HEBBAR, Sudarshan YENARI, Midori KACIMI, Rachid
(31) 408000 (32) 21.04.2006 (33) United States of America	(22) 10.04.2017 (54) AMINO BENZOIC ACID DERIVATIVES FOR USE AS ANTI-INFLAMMATORY AGENTS, ANTI-METASTATIC AGENTS AND/OR ANTICANCER AGENTS	(31) 201562202751 P (32) 07.08.2015 (33) United States of America
(51) A61K 31/352 A61P 3/04	(73) 3R Valo, S.E.C. (72) BÉRUBÉ, Gervais REYES-MORENO, Carlos	(51) A61K 31/416 A61K 31/4166 A61K 31/4439 A61K 31/5375 A61K 31/573 A61K 31/575 A61K 31/58 A61K 31/7105 A61K 31/713 A61P 35/00
(11) EP1811983 (21) EP05803521.3 (47) 07.10.2020 (87) GB2005004388 26.05.2006	(31) 201662320654 P (32) 11.04.2016 (33) United States of America	(11) EP3079475 (21) EP14869256.9 (47) 07.10.2020 (87) US2014069854 18.06.2015 (22) 11.12.2014
(22) 15.11.2005 (54) NEW USE FOR CANNABINOID (73) GW Pharma Limited (72) GUY, Geoffrey GW Pharma Limited PERTWEE, Roger GW Pharma Limited	(51) A61K 31/409 A61K 31/573 A61K 39/00 A61K 39/395 C07K 16/22 A61K 41/00	
(31) 0425248 0515704	(11) EP2379109 (21) EP09832787.7 (47) 07.10.2020 (87) CA2009001857 24.06.2010	
(32) 16.11.2004 29.07.2005	(2) 16.12.2009 (54) COMBINATION OF PHOTODYNAMIC THERAPY AND ANTI-VEGF AGENTS IN THE TREATMENT OF UNWANTED CHOROIDAL NEOVASCULATURE	
(33) United Kingdom United Kingdom	(73) Bausch Health Companies Inc. (72) STRONG, H. Andrew HAO, Yong	
(51) A61K 31/381 A61K 31/496 A61K 31/4995 A61P 9/00 A61P 13/12 C07D 333/66 C07D 471/10	(31) 138059 P 182943 P	
(11) EP3497091 (21) EP17754914.4 (47) 07.10.2020 (87) US2017045843 22.02.2018		
(22) 08.08.2017 (54) CONDENSED THIOPHENE DERIVATIVES USEFUL AS NAPI-IIB INHIBITORS		
(73) Eli Lilly and Company (72) COATES, David Andrew FALES, Kevin Robert PETERSON, Jeffrey Alan SCHKERYANTZ, Jeffrey Michael SHEN, Quanrong VALLI, Matthew John		

(54) GLUCOCORTICOID INHIBITORS FOR TREATMENT OF PROSTATE CANCER	A61K 49/00	TICE, Colin, M.
(73) Sloan-kettering Institute For Cancer Research	A61K 51/04	ZHAO, Wei
(72) ARORA, Vivek	A61P 35/00	ZHUANG, Linghang
SAWYERS, Charles L.	(11) EP3388086	(31) 201562201348 P
EVANS, Michael J.	(21) EP18175078.7	201662320890 P
VEACH, Darren R.	(47) 07.10.2020	201662341999 P
(31) 201361914917 P	(22) 15.08.2008	(32) 05.08.2015
(32) 11.12.2013	(54) PSMA BINDING LIGAND-LINKER CONJUGATES AND METHODS FOR USING	11.04.2016
(33) United States of America	(73) Purdue Research Foundation	26.05.2016
(51) A61K 31/4184	(72) LOW, Philip, Stewart	(33) United States of America
A61K 31/437	KULARATNE, Sumith, A.	United States of America
A61P 35/00	(31) 956489 P	United States of America
C07D 403/04	74358	(51) A61K 31/4433
C07D 403/14	(32) 17.08.2007	A61P 9/00
C07D 413/14	20.06.2008	A61P 11/00
C07D 417/14	(33) United States of America	A61P 13/00
C07D 487/04	United States of America	A61P 25/00
C07D 487/08	(51) A61K 31/426	A61P 29/00
C07D 487/10	A61P 25/00	A61P 37/00
C07F 9/50	A61P 35/00	C07D 405/04
(11) EP3080108	C07D 277/46	(11) EP3610875
(21) EP14824251.4	C07D 417/04	(21) EP18784878.3
(47) 07.10.2020	C07D 417/12	(47) 07.10.2020
(87) US2014069469	(11) EP3556756	(87) CN2018082935
18.06.2015	(21) EP18167664.4	18.10.2018
(22) 10.12.2014	(47) 07.10.2020	(2) 13.04.2018
(54) TROPOMYOSIN-RELATED KINASE (TRK) INHIBITORS	(22) 17.04.2018	(54) OPIOID RECEPTOR (MOR) AGONIST SALT, FUMARATE SALT I CRYSTAL FORM THEREOF AND PREPARATION METHOD THEREOF
(73) Genzyme Corporation	(54) SUBSTITUTED PROPANAMIDES AS INHIBITORS OF NUCLEASES	(73) Jiangsu Hengrui Medicine Co., Ltd.
(72) KANE, John L., Jr.	(73) Masarykova univerzita	(72) WANG, Lin
MATTHEWS, Gloria	(72) Paruch, Kamil	WANG, Likun
METZ, Markus	Carbain, Benoit	(31) 201710242119
KOTHE, Michael	Havel, Stepan	(32) 14.04.2017
LIU, Jinyu	Vsiansky, Vit	(33) China
SCHOLTE, Andrew	Nikulenkov, Fedor	(51) A61K 31/45
(31) 201361914128 P	Krejci, Lumir	A61K 31/454
201462040750 P	(51) A61K 31/437	A61K 47/00
(32) 10.12.2013	A61P 3/08	A61P 1/00
22.08.2014	A61P 11/06	A61P 11/00
(33) United States of America	A61P 17/06	A61P 37/08
United States of America	A61P 25/08	C07D 211/88
(51) A61K 31/425	A61P 25/18	(11) EP3466425
A61P 35/00	A61P 25/24	(21) EP18206980.7
C07D 277/28	A61P 27/02	(47) 07.10.2020
C07D 417/04	A61P 35/00	(22) 12.11.2014
C07D 417/12	A61P 37/00	(54) USE OF GLUTARIMIDE DERIVATIVES IN THE TREATMENT OF EOSINOPHILIC DISEASES
C07D 417/14	C07D 235/10	(73) Obschestvo S Ogranichennoi Otvetstvennostiyu "Pharmenterprises"
(11) EP3323815	C07D 235/12	(72) Nebolsin, Vladimir Evgenievich
(21) EP17191765.1	C07D 401/06	Kromova, Tatyana Alexandrovna
(47) 07.10.2020	C07D 401/12	Rydlovskaya, Anastasia Vladimirovna
(22) 27.06.2007	C07D 405/06	Chuchalin, Alexander Grigorievich
(54) HUMAN PROTEIN TYROSINE PHOSPHATASE INHIBITORS AND METHODS OF USE	C07D 405/14	(31) 2013150861
(73) Aerpio Therapeutics LLC	C07D 471/04	(32) 14.11.2013
(72) GRAY, Jeffrey Lyle	(11) EP3331876	(33) Russian Federation
CLARK, Cynthia Monesa	(21) EP16750587.4	(51) A61K 31/4515
AMARASINGHE, Kande K.D.	(47) 07.10.2020	A61K 31/4545
MAIER, Matthew Brian	(87) US2016045318	A61K 45/06
NICHOLS, Ryan	09.02.2017	A61P 35/00
(31) 816730 P	(22) 03.08.2016	(11) EP3247356
(32) 27.06.2006	(54) MODULATORS OF ROR-GAMMA	(21) EP16700922.4
(33) United States of America	(73) Vitae Pharmaceuticals, LLC	(47) 07.10.2020
(51) A61K 31/426	(72) CLAREMON, David, A.	(87) EP2016051000
A61K 31/4745	DILLARD, Lawrence Wayne	28.07.2016
A61K 31/475	FAN, Yi	
	LOTESTA, Stephen, D.	
	SINGH, Suresh, B.	

(22) 19.01.2016	C07D 405/14	(54) NOVEL PYRIMIDINE COMPOUND, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME AS ACTIVE INGREDIENT FOR PREVENTING OR TREATING CANCER AND INFLAMMATORY DISEASES
(54) ANTIHISTAMINE FOR USE IN TREATMENT OF BREAST CANCER	C07D 407/14	(73) Korea Research Institute of Chemical Technology
(73) Belina Pharma AB	C07D 413/14	(72) LEE, Kwangho
(72) OLSSON, Håkan	C07D 487/04	CHOI, Gildon
EINEFORS, Rickard	(11) EP3154958	LEE, Na Ri
(31) 1550036	(21) EP15739040.2	PARK, Sang Jun
(32) 19.01.2015	(47) 07.10.2020	JUNG, Myoung Eun
(33) Sweden	(87) US2015035157	KIM, Seong Jin
	17.12.2015	YANG, Kyung-Min
(51) A61K 31/455	(22) 10.06.2015	LEE, Jihee
A61P 11/00	(54) PHOSPHATIDYLINOSITOL 3-KINASE INHIBITORS	(31) 20160147977
C07D 231/20	(73) Gilead Sciences, Inc.	(32) 08.11.2016
C07D 401/04	(72) CAI, Shaopei	(33) Korea (Republic)
C07D 401/14	DU, Zhimin	(51) A61K 31/506
(11) EP3551622	KAPLAN, Joshua	A61P 3/00
(21) EP17826629.2	LOYER-DREW, Jennifer, A.	C07D 401/14
(47) 07.10.2020	NADUTHAMBI, Devan	(11) EP3500564
(87) US2017065425	PHILLIPS, Barton, W.	(21) EP17761332.0
14.06.2018	PHILLIPS, Gary	(47) 07.10.2020
(22) 08.12.2017	VAN VELDHUIZEN, Joshua	(87) IB2017054862
(54) MODULATOR OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR, PHARMACEUTICAL COMPOSITIONS, METHODS OF TREATMENT, AND PROCESS FOR MAKING THE MODULATOR	WATXINS, William, J.	22.02.2018
(73) Vertex Pharmaceuticals Incorporated	YEUNG, Suet, Chung	(22) 09.08.2017
(72) ABELA, Alexander, Russell	(31) 201462012222 P	(54) DIACYLGLYCEROL ACYLTRANSFERASE 2 INHIBITORS
ALCACIO, Timothy	(32) 13.06.2014	(73) Pfizer Inc.
ANDERSON, Corey	(33) United States of America	(72) BOEHM, Markus
ANGELL, Paul, Timothy	(51) A61K 31/4985	CABRAL, Shawn
BAEK, Minson	A61K 31/506	DOWLING, Matthew S.
CLEMENS, Jeremy, J.	A61P 25/28	FUTATSUGI, Kentaro
CLEVELAND, Thomas	C07D 471/14	HUARD, Kim
FERRIS, Lori, Ann	C07D 471/22	LEE, Esther Cheng Yin
GROOTENHUIS, Peter Diederik, Jan	C07D 487/04	LI, Qifang
GROSS, Raymond, Stanley	C07D 487/14	LONDREGAN, Allyn T.
GULEVICH, Anton	C07D 491/147	POLIVKOVA, Jana
HADIDA RUAH, Sara, Sabina	C07D 498/22	PRICE, David A.
HSIA, Clara, Kuang-Ju	C07D 513/14	(31) 201662377137 P
HUGHES, Robert, M.	(11) EP3310784	(32) 19.08.2016
JOSHI, Pramod, Virupax	(21) EP16739563.1	(33) United States of America
KANG, Ping	(47) 07.10.2020	(51) A61K 31/519
KESHAVARZ-SHOKRI, Ali	(87) IB2016053398	A61P 31/04
KHATUYA, Haripada	22.12.2016	C07D 487/04
KRENITSKY, Paul, John	(22) 09.06.2016	(11) EP3509598
MCCARTNEY, Jason	(54) TRICYCLIC COMPOUNDS AND THEIR USE AS PHOSPHODIESTERASE INHIBITORS.	(21) EP17743050.1
MILLER, Mark, Thomas	(73) Pfizer Inc.	(47) 07.10.2020
PARASELLI, Prasuna	(72) CHAPPIE, Thomas Allen	(87) EP2017068811
PIERRE, Fabrice Jean, Denis	CHANDRASEKARAN, Ramalakshmi	15.03.2018
SHI, Yi	Yegna	(22) 25.07.2017
SHRESTHA, Muna	HELAL, Christopher John	(54) NEW USE OF TRIAZOLO(4,5-D)PYRIMIDINE DERIVATIVES FOR PREVENTION AND TREATMENT OF BACTERIAL INFECTION
SIESEL, David, Andrew	LACHAPPELLE, Erik Alphie	(73) Université de Liège
STAVROPOULOS, Kathy	PATEL, Nandini Chaturbhai	(72) OURY, Cécile
TERMIN, Andreas, P.	SCIABOLA, Simone	LANCELLOTTI, Patrizio
UY, Johnny	VERHOEST, Patrick Robert	(31) 16188201
VAN GOOR, Fredrick, F.	WAGER, Travis T.	(32) 09.09.2016
YOUNG, Tomothy, John	(31) 201562180815 P	(33) European Patent Office (EPO)
ZHOU, Jinglan	(32) 17.06.2015	(51) A61K 31/519
(31) 201662432537 P	(33) United States of America	C07C 309/19
(32) 09.12.2016	(51) A61K 31/505	C07C 309/30
(33) United States of America	A61P 35/00	C07D 487/04
	C07D 239/48	
(51) A61K 31/496	(11) EP3539951	
C07D 239/04	(21) EP17868973.3	
C07D 239/80	(47) 07.10.2020	
C07D 239/90	(87) KR2017012222	
C07D 401/14	17.05.2018	
C07D 403/14	(22) 01.11.2017	

(11) EP3416965	06.10.2016	(47) 07.10.2020
(21) EP17704986.3	(22) 25.03.2016	(22) 20.08.2010
(47) 07.10.2020	(54) METHODS AND MATERIALS FOR	(54) TREATMENT OF 'C TERMINUS
(87) US2017016778	TREATING CANCER	OF HSP70-INTERACTING
24.08.2017	(73) The Research Foundation for The State	PROTEIN' (CHIP) RELATED DISEASES
(22) 07.02.2017	University of New York	BY INHIBITION OF NATURAL
(54) PROCESS FOR PREPARING 7H-	(72) STEFANO, George B.	ANTISENSE TRANSCRIPT TO CHIP
PYRROLO [2,3-D]PYRIMIDINE	KREAM, Richard M.	(73) CuRNA, Inc.
COMPOUNDS	MANTIONE, Kirk J.	(72) COLLARD, Joseph
(73) Zoetis Services LLC	(31) 201562139163 P	KHORKOVA SHERMAN, Olga
(72) STUK, Timothy, Lee	(32) 27.03.2015	COITO, Carlos
BILLEN, Denis	(33) United States of America	(31) 235885 P
WESTRICK, Valerie, Sue	(51) A61K 31/704	(32) 21.08.2009
GUNAWARDANA, Vageesha, Warnajith	A61K 31/7048	(33) United States of America
Liyana	G01N 33/574	(51) A61K 31/7105
(31) 201662295739 P	C12N 5/095	A61K 38/17
201662375040 P	(11) EP3250683	A61K 48/00
(32) 16.02.2016	(21) EP16703464.4	A61P 35/00
15.08.2016	(47) 07.10.2020	C12N 15/113
(33) United States of America	(87) EP2016052095	(11) EP2470217
United States of America	04.08.2016	(21) EP10812443.9
(51) A61K 31/5365	(22) 01.02.2016	(47) 07.10.2020
A61P 9/00	(54) DELTA133P53BETA AND	(87) US2010024740
A61P 11/00	DELTA133P53GAMMA ISOFORMS	03.03.2011
A61P 25/00	ARE BIOMARKERS OF CANCER STEM	(22) 19.02.2010
A61P 27/00	CELLS	(54) TARGETING PAX2 FOR THE
A61P 35/00	(73) Centre National de la Recherche	TREATMENT OF BREAST CANCER
A61P 37/00	Scientifique (CNRS)	(73) Phigenix, Inc.
C07C 15/16	Université de Montpellier	(72) DONALD, Carlton, D.
C07D 249/04	(72) ROUX, Pierre	(31) 708294
C07D 249/18	ARSIC, Nikola	546292
C07D 403/10	GADEA, Gilles	(32) 18.02.2010
C07D 417/10	FORT, Philippe	24.08.2009
(11) EP3307739	THOMAS, Fanny	(33) United States of America
(21) EP16810994.0	GIRE, Véronique	United States of America
(47) 07.10.2020	(31) 15305146	(51) A61K 31/712
(87) CN2016085806	(32) 30.01.2015	C12N 15/10
22.12.2016	(33) European Patent Office (EPO)	C12N 15/113
(22) 15.06.2016	(51) A61K 31/7068	(11) EP3507366
(54) NRF2 REGULATORS	A61P 1/00	(21) EP17771348.4
(73) GlaxoSmithKline Intellectual Property	A61P 35/00	(47) 07.10.2020
Development Limited	C07D 305/14	(87) EP2017071912
Astex Therapeutics Limited	C07D 405/14	08.03.2018
(72) KERNS, Jeffrey K	C07H 1/00	(22) 31.08.2017
CALLAHAN, James Francis	C07H 19/06	(54) CHEMICALLY MODIFIED SINGLE-
YAN, Hongxing	(11) EP3470403	STRANDED RNA-EDITING
HEIGHTMAN, Thomas Daniel	(21) EP16905300.6	OLIGONUCLEOTIDES
GRIFFITHS-JONES, Charlotte Mary	(47) 07.10.2020	(73) ProQR Therapeutics II B.V.
WOOLFORD, Alison Jo-Anne	(87) CN2016105692	(72) TURUNEN, Janne Juha
LI, Tindy	21.12.2017	AALTO, Antti
LAKDAWALA SHAH, Ami	(22) 14.11.2016	KLEIN, Bart
DAVIS, Roderick S.	(54) TAXOID COMPOUND AND	VAN SINT FIET, Lenka
NORTON, David	PREPARATION METHOD AND USE	BOUDET, Julien Auguste Germain
GOODWIN, Nicole Cathleen	THEREOF	(31) 201614858
JIN, Yun	(73) Inner Mongolia Puyin Pharmaceutical	201616374
HAMILTON, Paris L.	Co., Ltd.	201621467
BOEHM, Jeffrey Charles	(72) YANG, Daria	201703034
(31) 201562175510 P	WANG, Huijuan	201707508
(32) 15.06.2015	(31) 201610426133	(32) 01.09.2016
(33) United States of America	(32) 15.06.2016	27.09.2016
(51) A61K 31/70	(33) China	16.12.2016
A61K 31/715	(51) A61K 31/7088	24.02.2017
A61P 35/00	A61K 48/00	10.05.2017
C08B 37/00	A61P 25/00	(33) United Kingdom
(11) EP3273970	A61P 37/00	United Kingdom
(21) EP16773853.3	C12N 15/113	United Kingdom
(47) 07.10.2020	(11) EP2982755	United Kingdom
(87) US2016024283	(21) EP15185710.9	United Kingdom

- (51) A61K 31/7125
A61P 17/00
(11) EP3307277
(21) EP16734570.1
(47) 07.10.2020
(87) EP2016063596
22.12.2016
(22) 14.06.2016
(54) SINGLE-STRANDED
OLIGONUCLEOTIDES FOR USE IN
THE MEDICAL TREATMENT OF SKIN
DISORDERS
(73) Tirmed Pharma AB
(72) SPETZ HOLMGREN Anna-Lena
JÄRVER Peter
SKÖLD Annette
(31) 1550814
(32) 15.06.2015
(33) Sweden
-
- (51) A61K 31/713
A61K 39/39
A61P 37/04
C12N 15/09
C12N 15/117
(11) EP3269811
(21) EP17188715.1
(47) 07.10.2020
(22) 27.07.2011
(54) NUCLEIC ACID HAVING ADJUVANT
ACTIVITY AND USE THEREOF
(73) Advanced Innovation Development Co.
Ltd.
(72) SEYA, Tsukasa
MATSUMOTO, Misako
(31) 2010169407
(32) 28.07.2010
(33) Japan
-
- (51) A61K 31/727
A61K 38/18
A61K 45/06
A61P 17/02
C08B 37/00
(11) EP3242669
(21) EP16735241.8
(47) 07.10.2020
(87) SG2016050008
14.07.2016
(22) 08.01.2016
(54) PDGF-B /PDGF-BB BINDING VARIANTS
OF HEPARAN SULPHATES
(73) Agency for Science, Technology and
Research
(72) COOL, Simon
NURCOMBE, Victor
(31) 10201500182X
(32) 09.01.2015
(33) Singapore
-
- (51) A61K 31/736
A61K 36/15
A61P 13/08
A61P 35/00
(11) EP2916850
(21) EP13814186.6
(47) 07.10.2020
(87) FI2013051057
15.05.2014
(22) 08.11.2013
- (54) LIGNEOUS PLANT-DERIVED
HETEROPOLYSACCHARIDES FOR
USE IN TREATMENT OF UROLOGIC
SYMPTOMS AND DISEASES
(73) Montisera Ltd
(72) KONKOL, Yvonne
BERNOULLI, Jenni
HOLMBOM, Bjarne
VUORIKOSKI, Heikki
PRANOVICH, Andrey
HALLEEN, Jussi
(31) 20126175
(32) 09.11.2012
(33) Finland
-
- (51) A61K 36/00
(11) EP3501528
(21) EP19151482.7
(47) 07.10.2020
(22) 28.08.2012
(54) GLUCOSYL STEVIA COMPOSITION
(73) PureCircle USA Inc.
(72) MARKOSYAN, Avetik
(31) 201161548818 P
201161580274 P
201213567707
(32) 19.10.2011
26.12.2011
06.08.2012
(33) United States of America
United States of America
United States of America
-
- (51) A61K 38/00
A61K 38/12
A61K 45/06
A61P 1/12
C07K 5/12
C07K 7/06
C07K 7/64
C07K 14/665
G01N 33/68
G01N 33/94
(11) EP3246333
(21) EP17167969.9
(47) 07.10.2020
(22) 08.07.2011
(54) MU OPIOID RECEPTOR AGONIST
ANALOGS OF THE ENDOMORPHINS
(73) The Administrators of The Tulane
Educational Fund
United States Department Of Veterans
Affairs
(72) ZADINA, James E.
HACKLER, Laszlo
(31) 363039 P
(32) 09.07.2010
(33) United States of America
-
- (51) A61K 38/00
A61K 38/20
A61P 35/00
C07K 14/55
(11) EP3211001
(21) EP16205861.4
(47) 07.10.2020
(22) 22.12.2011
(54) SUPERAGONISTS AND ANTAGONISTS
OF INTERLEUKIN-2
(73) The Board of Trustees of the Leland
Stanford Junior University
- (72) Garcia, Kenan Christopher
Levin, Aron
Ring, Aaron
(31) 201061426307 P
(32) 22.12.2010
(33) United States of America
-
- (51) A61K 38/00
A61K 38/51
A61P 31/04
C12N 1/06
C12N 9/36
C12N 9/48
C12N 9/80
C12N 9/88
C12N 15/62
C12N 15/70
C12Q 1/14
C12Q 1/527
C12Q 1/66
C12Q 1/68
C12Q 1/6806
C12Q 1/689
(11) EP3299459
(21) EP16795761.2
(47) 07.10.2020
(87) CN2016079044
24.11.2016
(22) 12.04.2016
(54) STAPHYLOCOCCUS LYASE AND USE
THEREOF
(73) Phagelux Inc.
(72) WEI, Hongping
YANG, Hang
YU, Junping
(31) 201510252947
(32) 18.05.2015
(33) China
-
- (51) A61K 38/00
A61K 39/00
C07C 59/125
C07F 9/09
C12N 9/20
(11) EP3328408
(21) EP16832393.9
(47) 07.10.2020
(87) IB2016054582
09.02.2017
(22) 29.07.2016
(54) MOTILE SPERM DOMAIN CONTAINING
PROTEIN 2 AND INFLAMMATION
(73) Vascular Biogenics Ltd.
(72) MENDEL, Itzhak
PROPHETA-MEIRAN, Oshrat
SALEM, Yaniv
SHOHAM, Anat
BREITBART, Eyal
(31) 201562199609 P
(32) 31.07.2015
(33) United States of America
-
- (51) A61K 38/00
A61P 7/06
C07K 14/71
(11) EP3117829
(21) EP16186033.3
(47) 07.10.2020
(22) 13.08.2010
(54) COMBINED USE OF GDF TRAPS
AND ERYTHROPOIETIN RECEPTOR

ACTIVATORS TO INCREASE RED BLOOD CELL LEVELS	(33) United States of America United States of America	B01D 15/36 B01D 15/38 C07K 14/505
(73) Acceleron Pharma Inc.	(51) A61K 38/17	(11) EP3613486
(72) SEEHRA, Jasbir	A61K 39/00	(21) EP18190725.4
PEARSALL, Robert, Scott	C07K 14/725	(47) 07.10.2020
KUMAR, Ravindra	(11) EP3177314	(22) 24.08.2018
(31) PCT/US2009/004659	(21) EP15753531.1	(54) METHOD AND INSTALLATION FOR THE PURIFICATION OF EPO AND/OR AN EPO DERIVATIVE
583177	(47) 07.10.2020	(73) UGA Biopharma GmbH
305901 P	(87) US2015042986	(72) Heßler, Jenny
(32) 13.08.2009	11.02.2016	Hannemann, Wiebke
13.08.2009	(22) 30.07.2015	
18.02.2010	(54) T CELL IMMUNOTHERAPY SPECIFIC FOR WT-1	
(33) World Intellectual Property Office (WIPO)	(73) Fred Hutchinson Cancer Research Center	(51) A61K 38/26 C07K 14/605
United States of America	(72) SCHMITT, Thomas, M. GREENBERG, Philip, D.	(11) EP3423481
United States of America	NGUYEN, Hieu	(21) EP17708491.0
(51) A61K 38/00	(31) 201462033045 P	(47) 07.10.2020
C07K 14/605	201562164783 P	(87) EP2017054895
A61K 47/54	(32) 04.08.2014	08.09.2017
A61K 47/58	21.05.2015	(22) 02.03.2017
A61K 47/60	(33) United States of America United States of America	(54) GLP-1 DERIVATIVES AND USES THEREOF
(11) EP3033112	(51) A61K 38/17	(73) Novo Nordisk A/S
(21) EP14752614.9	C07K 14/435	(72) KOFOED, Jacob
(47) 07.10.2020	C12N 15/63	KODRA, János, Tibor
(87) EP2014067413	(11) EP3334753	LINDEROTH, Lars
19.02.2015	(21) EP16750437.2	GARIBAY, Patrick, William
(22) 14.08.2014	(47) 07.10.2020	(31) 16158388
(54) GLP-1 DERIVATIVES, AND USES THEREOF	(87) EP2016068904	(32) 03.03.2016
(73) Novo Nordisk A/S	23.02.2017	(33) European Patent Office (EPO)
(72) SAUERBERG, Per	(22) 08.08.2016	(51) A61K 38/54 C12N 9/94
KOFOED, Jacob	(54) INSULIN-LIKE GROWTH FACTOR 2 (IGF2) BINDING AGENTS	(11) EP3003360
(31) 13180558	(73) Oxford University Innovation Limited	(21) EP14859866.7
201361866169 P	(72) CRUMP, Matthew Philip	(47) 07.10.2020
(32) 15.08.2013	HASSAN, Andrew Bassim	(87) US2014063984
15.08.2013	(31) 201514531	14.05.2015
(33) European Patent Office (EPO)	201605820	(22) 05.11.2014
United States of America	(32) 14.08.2015	(54) HIGH POTENCY PANCREATIN PHARMACEUTICAL COMPOSITIONS
(51) A61K 38/04	05.04.2016	(73) Allergan Pharmaceuticals International Limited
A61P 37/02	(33) United Kingdom United Kingdom	(72) PERRETT, Stephen
C07K 14/075	(51) A61K 38/17	BECKER, Robert
(11) EP2989121	C07K 14/705	BOLTRI, Luigi
(21) EP14787690.8	C07K 16/22	GHIDORSI, Luigi
(47) 07.10.2020	C12N 5/10	ARZUFFI, Paola
(87) US2014035757	(11) EP3269381	PIRONTI, Vincenza
30.10.2014	(21) EP17175570.5	(31) 201361900092 P
(22) 28.04.2014	(47) 07.10.2020	(32) 05.11.2013
(54) METHODS OF PREPARATION AND COMPOSITION OF PEPTIDE CONSTRUCTS USEFUL FOR TREATMENT OF RHEUMATOID ARTHRITIS	(22) 22.11.2006	(33) United States of America
(73) Cel-Sci Corporation	(54) ACTIVIN-ACTRIIA ANTAGONISTS IN USE FOR PROMOTING BONE GROWTH	(51) A61K 39/00 A61K 39/104 C07K 14/21 C12N 1/00 A61K 35/74
Zimmerman, Daniel, H.	(73) Acceleron Pharma, Inc.	(11) EP3140391
Carambula, Roy	(72) KNOPF, John	(21) EP15728758.2
Steiner, Harold	JASBIR, Seehra	(47) 07.10.2020
Talor, Eyal	(31) 739462 P	(87) EP2015059870
Glant, Tibor	783322 P	12.11.2015
Mikecz, Katalin	844855 P	(22) 05.05.2015
(72) ZIMMERMAN, Daniel, H.	(32) 23.11.2005	(54) VACCINE AGAINST ACINETOBACTER BAUMANNII BASED ON CELLULAR COMPONENTS DEFICIENT IN LIPOPOLYSACCHARIDE
CARAMBULA, Roy	17.03.2006	(73) Vaxdyn SL
STEINER, Harold	15.09.2006	
TALOR, Eyal	(33) United States of America United States of America United States of America	
GLANT, Tibor	(51) A61K 38/18	
MIKECZ, Katalin		
(31) 201361854554 P		
201461966018 P		
(32) 26.04.2013		
14.02.2014		

Fundación Pública Andaluza Para la Gestión de la Investigación en Salud en Sevilla	(54) IMMUNOMODULATORY COMPOSITIONS AND METHODS OF USE THEREOF	A61P 11/00 A61P 13/12 A61P 15/00
Servicio Andaluz de Salud	(73) Agrawal, Babita Kumar, Rakesh	A61P 35/00 A61P 43/00
(72) MCCONNELL, Michael James GARCÍA QUINTANILLA, Meritxell	(72) Agrawal, Babita Kumar, Rakesh	C07K 16/28 A61K 47/68
PULIDO TOLEDANO, Marina	(31) 201461924607 P	(11) EP3221355
PÉREZ ROMERO, María Pilar	(32) 07.01.2014	(21) EP15797954.3
PACHÓN DÍAZ, Jerónimo	(33) United States of America	(47) 07.10.2020
INFANTE VIÑOLO, Juan José	(51) A61K 39/00	(87) EP2015076682
(31) 14382164	A61K 39/395	26.05.2016
(32) 05.05.2014	A61P 35/00	(22) 16.11.2015
(33) European Patent Office (EPO)	C07K 16/18	(54) COMBINATION THERAPY OF T CELL ACTIVATING BISPECIFIC ANTIGEN BINDING MOLECULES CD3 AND FOLATE RECEPTOR 1 (FOLR1) AND PD-1 AXIS BINDING ANTAGONISTS
(51) A61K 39/00	C07K 16/22	(73) F.Hoffmann-La Roche AG
A61K 39/12	C07K 16/26	(72) KLEIN, Christian
A61K 39/245	C07K 16/30	KARANIKAS, Vaios
C12N 7/00	(11) EP3074037	UMANA, Pablo
(11) EP2797627	(21) EP14865112.8	ZIPPELIUS, Alfred
(21) EP12806062.1	(47) 07.10.2020	THOMMEN, Daniela
(47) 07.10.2020	(87) US2014067757	SCHREINER, Jens
(87) EP2012076496	04.06.2015	(31) 14194136
04.07.2013	(22) 26.11.2014	15152141
(22) 20.12.2012	(54) METHODS FOR MODULATING ANGIOGENESIS OF CANCERS REFRACTORY TO ANTI-VEGF TREATMENT	15167173
(54) A RECOMBINANT KOI HERPESVIRUS (KHV) AND VACCINE FOR THE PREVENTION OF A DISEASE CAUSED BY KHV	(73) Inis Biotech LLC	(32) 20.11.2014
(73) Gesval s.a.	Consejo Nacional De Investigaciones Cientificas Y Tecnicas	22.01.2015
(72) VANDERPLASSCHEN, Alain Francis Claude	Fundacion Sales	11.05.2015
(31) 11196171	(72) RABINOVICH, Gabriel Adrian	(33) European Patent Office (EPO)
(32) 30.12.2011	RUSSO, Diego Omar Croci	European Patent Office (EPO)
(33) European Patent Office (EPO)	CERLIANI, Juan Pablo	European Patent Office (EPO)
(51) A61K 39/00	SALATINO, Mariana	(51) A61K 39/00
A61K 39/12	(31) 201361909942 P	A61P 11/00
A61K 49/00	(32) 27.11.2013	A61P 35/00
C12N 7/00	(33) United States of America	A61P 43/00
C12N 15/74	(51) A61K 39/00	C07K 16/28
A01N 63/00	A61K 39/40	G01N 33/574
(11) EP3113801	C07K 14/705	C12Q 1/6886
(21) EP15758673.6	C07K 14/725	(11) EP3294770
(47) 07.10.2020	C12N 5/10	(21) EP16724821.0
(87) US2015018272	C12N 15/12	(47) 07.10.2020
11.09.2015	C12N 5/0783	(87) US2016032112
(22) 02.03.2015	C12N 5/0784	17.11.2016
(54) RECOMBINANT HERPES SIMPLEX VIRUS 2 (HSV-2) VACCINE VECTORS	(11) EP3369812	(22) 12.05.2016
(73) Albert Einstein College of Medicine	(21) EP18161391.0	(54) THERAPEUTIC AND DIAGNOSTIC METHODS FOR CANCER
(72) JACOBS, William	(47) 07.10.2020	(73) F. Hoffmann-La Roche AG
GONZALEZ MUNOZ, Pablo, A.	(22) 04.08.2006	(72) KOWANETZ, Marcin
HEROLD, Betsy	(54) GENERATION OF ANTIGEN SPECIFIC T CELLS	(31) 201562160561 P
PETRO, Christopher	(73) Helmholtz Zentrum München - Deutsches Forschungszentrum für Gesundheit und Umwelt (GmbH)	201562168700 P
(31) 201461946965 P	Max-Delbrück-Centrum für Molekulare Medizin (MDC)	(32) 12.05.2015
201462080663 P	(72) Schendel, Dolores	29.05.2015
(32) 03.03.2014	Wilde, Susanne	(33) United States of America
17.11.2014	Blankenstein, Thomas	United States of America
(33) United States of America	(31) 05017128	(51) A61K 39/00
United States of America	06007539	C07K 16/00
(51) A61K 39/00	(32) 05.08.2005	C07K 16/28
A61K 39/39	10.04.2006	C07K 16/32
A61P 37/04	(33) European Patent Office (EPO)	(11) EP3186277
(11) EP3092001	European Patent Office (EPO)	(21) EP15835755.8
(21) EP15735215.4	(51) A61K 39/00	(47) 07.10.2020
(47) 07.10.2020	A61P 1/04	(87) US2015047013
(87) IB2015050108		03.03.2016
16.07.2015		(22) 26.08.2015
(22) 07.01.2015		

<p>(54) ANTIBODIES, COMPOSITIONS, AND USES (73) Memorial Sloan Kettering Cancer Center (72) CHEUNG, Nai-Kong, V. AHMED, Mahiuddin ZHAO, Qi (31) 201462042457 P (32) 27.08.2014 (33) United States of America (51) A61K 39/145 C12N 7/00 C12N 15/09 C12P 21/00 C12P 21/06 (11) EP2635693 (21) EP11838917.0 (47) 07.10.2020 (87) US2011059449 10.05.2012 (22) 04.11.2011 (54) METHODS FOR PRODUCING VIRUS PARTICLES WITH SIMPLIFIED GLYCOSYLATION OF SURFACE PROTEINS (73) Academia Sinica (72) WONG, Chi-Huey MA, Che TSENG, Yung-Chieh (31) 410257 P (32) 04.11.2010 (33) United States of America (51) A61K 39/21 C07K 14/005 C07K 14/155 C12N 15/49 (11) EP3178842 (21) EP16184203.4 (47) 07.10.2020 (22) 14.08.2009 (54) POLYVALENT VACCINE (73) Los Alamos National Security, LLC Beth Israel Deaconess Medical Center Duke University The University of Alabama at Birmingham Research Foundation (72) KORBER, Bette T. FISCHER, William LETVIN, Norman LIAO, Hua-xin HAYNES, Barton F. HAHN, Beatrice H. (31) 192015 (32) 14.08.2008 (33) United States of America (51) A61K 39/285 C12N 7/00 C12N 15/39 A61K 35/768 (11) EP3036329 (21) EP14837931.6 (47) 07.10.2020 (87) US2014052308 26.02.2015 (22) 22.08.2014 (54) IMMUNO-ONCOLYTIC THERAPIES (73) University of Pittsburgh - Of the Commonwealth System of Higher Education</p>	<p>(72) THORNE, Stephen Howard (31) 201361868978 P (32) 22.08.2013 (33) United States of America (51) A61K 39/395 A61P 35/00 A61P 37/00 C07K 16/28 (11) EP3190127 (21) EP17159253.8 (47) 07.10.2020 (22) 12.12.2011 (54) USE OF AN ANTIBODY DIRECTED AGAINST BDCA-2 FOR THE TREATMENT OF AUTOIMMUNE OR INFLAMMATORY DISORDERS (73) Laboratoire Français du Fractionnement et des Biotechnologies (72) FOURNIER, Nathalie DE ROMEUF, Christophe (31) 1060428 (32) 13.12.2010 (33) France (51) A61K 39/395 C07K 16/30 G01N 33/574 C12Q 1/6886 (11) EP3008210 (21) EP14810393.0 (47) 07.10.2020 (87) AU2014000612 18.12.2014 (22) 13.06.2014 (54) METHODS FOR DETECTING PROSTATE CANCER (73) University Of South Australia (72) BROOKS, Doug PARKINSON-LAWRENCE, Emma JOHNSON, Ian BUTLER, Lisa WEIGERT, Roberto (31) 2013902141 (32) 13.06.2013 (33) Australia (51) A61K 39/42 C07K 16/00 C07K 16/10 (11) EP3253787 (21) EP16702748.1 (47) 07.10.2020 (87) EP2016052363 11.08.2016 (22) 04.02.2016 (54) HUMAN NEUTRALIZING ANTIBODIES BINDING TO INFLUENZA NEURAMINIDASE (73) Janssen Vaccines & Prevention B.V. (72) BUJNY, Miriam, Verena VAN DER VLUGT, Remko (31) 15153891 (32) 05.02.2015 (33) European Patent Office (EPO) (51) A61K 39/44 A61K 49/00 A61K 49/04 A61K 49/08 A61K 49/16 A61K 49/18</p>	<p>A61K 49/22 C07K 16/28 C07K 16/44 A61K 47/69 (11) EP2346532 (21) EP09783808.0 (47) 07.10.2020 (87) EP2009063020 15.04.2010 (22) 07.10.2009 (54) TARGETING CONSTRUCT COMPRISING ANTI-POLYMER ANTIBODY AND MICROVESICLES BINDING TO THE SAME (73) Bracco Suisse SA (72) ALLEMANN, Eric BETTINGER, Thierry BUSSAT, Philippe HAUWEL, Mathieu YAN, Feng (31) 08166011 (32) 07.10.2008 (33) European Patent Office (EPO) (51) A61K 48/00 C12N 9/22 C12N 15/52 C12N 15/85 C12N 15/113 C12Q 1/68 (11) EP3230460 (21) EP15868327.6 (47) 07.10.2020 (87) US2015065421 16.06.2016 (22) 14.12.2015 (54) METHODS AND COMPOSITIONS FOR SELECTIVELY ELIMINATING CELLS OF INTEREST (73) Zhu, James (72) ZHANG, Yi ZHU, James (31) 201462091431 P (32) 12.12.2014 (33) United States of America (51) A61K 48/00 C12N 15/861 (11) EP3191139 (21) EP15825383.1 (47) 07.10.2020 (87) US2015040866 28.01.2016 (22) 17.07.2015 (54) RPGR GENE THERAPY FOR RETINITIS PIGMENTOSA (73) Massachusetts Eye & Ear Infirmary UCL Business Ltd The Government of the United States of America as represented by the Secretary, Department of Health and Human Services (72) SANDBERG, Michael A. PAWLYK, Basil LI, Tiansen SHU, Xinhua WRIGHT, Alan Finlay ALI, Robin (31) 201462028638 P (32) 24.07.2014</p>
--	---	--

(33) United States of America	(47) 07.10.2020	(73) Ecolab USA Inc.
(51) A61K 51/02	(87) US2015047396	(72) FREUDENBERG, Jared R.
A61K 51/04	03.03.2016	ANDERSON, Troy A.
C07B 59/00	(22) 28.08.2015	CARBONE, Henry Louis, II
C07C 17/38	(54) PROBES FOR IMAGING HUNTINGTON	CARROLL, Ryan
C07C 17/383	PROTEIN	URBAN, Ryan Jacob
C07C 17/389	(73) CHDI Foundation, Inc.	(31) 201261734532 P
C07C 19/08	(72) DOMINGUEZ, Celia	(32) 07.12.2012
C07C 21/18	WITYAK, John	(33) United States of America
(11) EP3216780	BARD, Jonathan	(51) A61L 9/03
(21) EP15856189.4	BROWN, Christopher, John	A61M 11/00
(47) 07.10.2020	KRÜLLE, Thomas, Martin	A61M 11/04
(87) KR2015011955	CLARK-FREW, Daniel	A61M 15/00
12.05.2016	HAYES, Sarah	A61M 15/06
(22) 06.11.2015	(31) 201462043644 P	A24F 47/00
(54) METHOD FOR PREPARING ORGANIC	(32) 29.08.2014	(11) EP3322311
FLUORIDE-ALIPHATIC COMPOUND	(33) United States of America	(21) EP16825208.8
AND METHOD FOR PURIFYING	(51) A61K 51/04	(47) 07.10.2020
ORGANIC FLUORIDE-ALIPHATIC	C07H 1/00	(87) US2016042351
COMPOUND	C07H 21/02	19.01.2017
(73) The Asan Foundation	(11) EP3184123	(22) 14.07.2016
(72) LEE, Sang-ju	(21) EP16178202.4	(54) EXOTHERMAL VAPORIZER
OH, Seung-jun	(47) 07.10.2020	(73) Dynavap, LLC
MOON, Dae-hyuk	(22) 06.07.2016	(72) BREIWA, George, R. III
RYU, Jin-sook	(54) HIGH-YIELD METHOD FOR RAPIDLY	(31) 201562192432 P
KIM, Jae-seung	CONJUGATING RIBONUCLEIC ACID	201562269834 P
LEE, Jong-jin	(RNA) TO DIETHYLENETRIAMINE	(32) 14.07.2015
(31) 20140154592	PENTAACETIC ACID (DTPA)	18.12.2015
20140154593	(73) Institute of Nuclear Energy Research	(33) United States of America
20150126731	Atomic Energy Council Executive Yuan,	United States of America
(32) 07.11.2014	R.O.C	(51) A61L 15/26
07.11.2014	(72) WANG, Mei-Hui	A61L 15/42
08.09.2015	HU, Chia-Yu	(11) EP2890412
(33) Korea (Republic)	YANG, Chun-Hung	(21) EP13759876.9
Korea (Republic)	(31) 104143832	(47) 07.10.2020
Korea (Republic)	(32) 25.12.2015	(87) NL2013050627
(51) A61K 51/04	(33) Taiwan, Province of China	06.03.2014
A61K 101/02	(51) A61L 2/02	(22) 30.08.2013
C07B 59/00	A61L 2/04	(54) HEMOSTATIC FOAM
C07C 259/06	H02K 15/12	(73) Stryker European Holdings I, LLC
(11) EP3470090	(11) EP3341030	(72) CHANDRASHEKHAR-BHAT, Bhushan
(21) EP17198831.4	(21) EP16770811.4	DE GRAAF, Robbert Arnold
(47) 07.10.2020	(47) 07.10.2020	(31) 2009400
(22) 27.10.2017	(87) US2016048903	(32) 31.08.2012
(54) HYDROXAMIC ACID TYPE CONTRAST	09.03.2017	(33) Netherlands
AGENT CONTAINING RADIOISOTOPE	(22) 26.08.2016	(51) A61L 15/32
FLUORIDE	(54) SELF-SANITIZING ELECTRICAL	C12N 5/00
(73) Institute of Nuclear Energy Research	MACHINE	A61K 35/50
Atomic Energy Council, Executive Yuan,	(73) KOLLMORGEN CORPORATION	A61K 35/51
R.O.C.	(72) Davison, James	(11) EP3258945
(72) WANG, MEI-HUI	Brown, Jerry	(21) EP16752035.2
HU, CHIA-YU	Garrison, Kevin	(47) 07.10.2020
WENG, MAO-CHI	(31) 201562210994 P	(87) IL2016050185
CHEN, JYUN-HONG	(32) 28.08.2015	25.08.2016
YANG, CHUN-HUNG	(33) United States of America	(22) 16.02.2016
YU, HUNG-MAN	(51) A61L 2/18	(54) MODIFIED BLOOD CLOTS
(31) 106134788	A61L 2/20	(73) Nayacure Therapeutics Ltd.
(32) 11.10.2017	A61L 2/24	(72) COHEN, Shahar
(33) Taiwan, Province of China	B01F 5/04	(31) 201562116851 P
(51) A61K 51/04	(11) EP2928508	201562134641 P
C07D 401/04	(21) EP13861289.0	(32) 16.02.2015
C07D 401/14	(47) 07.10.2020	18.03.2015
C07D 403/04	(87) US2013073535	(33) United States of America
C07D 487/04	12.06.2014	United States of America
C07D 513/04	(22) 06.12.2013	(51) A61L 15/56
C07D 513/14	(54) SYSTEM FOR HANDLING	G01N 21/81
(11) EP3186241	DISPLACEMENT OF LIQUID	G01N 31/22
(21) EP15836970.2	PRODUCTS	(11) EP2756295

(21) EP12831931.6	(54) WOUND CARE DEVICE FOR	(54) BLOOD PUMP HOUSING DEVICE
(47) 07.10.2020	TREATING WOUNDS BY MEANS OF	(73) Scandinavian Real Heart AB
(87) IB2012053943	SUBATMOSPHERIC PRESSURE	(72) NAJAR, Azad
21.03.2013	(73) BSN medical GmbH	(31) 1650171
(22) 01.08.2012	(72) RIESINGER, Birgit	1651606
(54) WETNESS INDICATOR HAVING	(31) 102011055782	(32) 10.02.2016
VARIED HUES	(32) 28.11.2011	06.12.2016
(73) Kimberly-Clark Worldwide, Inc.	(33) Germany	(33) Sweden
(72) SONG, Xuedong	(51) A61M 1/00	Sweden
GOEDERS, Karen, Meloy	A61M 1/06	(51) A61M 1/14
WEI, Ning	F04B 39/00	A61M 1/34
(31) 201113230102	(11) EP3612244	A61M 1/36
(32) 12.09.2011	(21) EP18748902.6	G16H 40/63
(33) United States of America	(47) 07.10.2020	(11) EP3125969
(51) A61L 27/22	(87) EP2018070612	(21) EP15715599.5
A61L 27/38	28.02.2019	(47) 07.10.2020
A61L 27/56	(22) 30.07.2018	(87) US2015022634
C07K 14/47	(54) BREAST MILK PUMP	08.10.2015
C12M 1/00	(73) KaWeCo GmbH	(22) 26.03.2015
B33Y 10/00	(72) KIRCHNER, Hansjörg	(54) EXTRACORPOREAL BLOOD
B33Y 80/00	(31) 102017007910	TREATMENT ALARM DOCKING
B29C 64/112	(32) 22.08.2017	(73) Gambro Lundia AB
(11) EP3470206	(33) Germany	(72) SCHAEFER, Jonas
(21) EP17810344.6	(51) A61M 1/02	O'MAHONY, John
(47) 07.10.2020	G01N 21/31	LENDWAY, Thomas
(87) JP2017021124	G01N 21/53	(31) 201461972720 P
14.12.2017	G01N 21/59	(32) 31.03.2014
(22) 07.06.2017	G01N 21/84	(33) United States of America
(54) METHOD FOR PRODUCING GELATIN	G01N 21/85	(51) A61M 1/16
FORMED BODY AND GELATIN	G01N 33/49	(11) EP3234824
FORMED BODY	(11) EP3278106	(21) EP15794124.6
(73) FUJIFILM Corporation	(21) EP16729757.1	(47) 07.10.2020
(72) KATSUMURA, Manabu	(47) 07.10.2020	(87) EP2015075926
HIRATSUKA, Takahiro	(87) DE2016100145	23.06.2016
FUSHIMI, Hideo	06.10.2016	(22) 06.11.2015
ISHII, Yoshio	(22) 24.03.2016	(54) METHOD OF DISPLAYING A
OKAMURA, Ai	(54) METHOD AND DEVICE FOR	PREDICTED STATE, MEDICAL
OTA, Hiroshi	SEPARATING AND ANALYZING BLOOD	APPARATUS AND COMPUTER
ARAKAWA, Jun	CONSTITUENTS	PROGRAM
(31) 2016114252	(73) LMB Technologie GmbH	(73) Gambro Lundia AB
2017030322	(72) NETZ, Uwe	(72) HERSENIUS, Patrik
(32) 08.06.2016	CAPPIUS, Hans-Joachim	(31) 1451585
21.02.2017	(31) 102015004409	(32) 18.12.2014
(33) Japan	(32) 02.04.2015	(33) Sweden
Japan	(33) Germany	(51) A61M 1/16
(51) A61L 29/06	(51) A61M 1/06	A61M 1/18
A61L 29/08	(11) EP3258984	B01D 63/02
A61L 29/14	(21) EP16704573.1	(11) EP2832387
(11) EP3002015	(47) 07.10.2020	(21) EP13770190.0
(21) EP15183157.5	(87) EP2016052728	(47) 07.10.2020
(47) 07.10.2020	25.08.2016	(87) JP2013057291
(22) 31.08.2015	(22) 09.02.2016	03.10.2013
(54) SURFACE TREATMENT AGENT AND	(54) BREAST SHIELD	(22) 14.03.2013
MEDICAL DEVICE	(73) Medela Holding AG	(54) PRODUCTION METHOD FOR
(73) SUMITOMO RUBBER INDUSTRIES	(72) RIGERT, Mario	MEDICAL INSTRUMENT, MEDICAL
LIMITED	KÄPPELI, Daniela	INSTRUMENT
(72) Minagawa, Yasuhisa	SCHLIENGER, André	(73) Terumo Kabushiki Kaisha
(31) 2014204048	(31) 15155890	(72) TAKEUCHI, Kazuhiko
(32) 02.10.2014	(32) 20.02.2015	SASAKI, Eisuke
(33) Japan	(33) European Patent Office (EPO)	(31) 2012070139
(51) A61M 1/00	(51) A61M 1/10	(32) 26.03.2012
(11) EP2785390	A61M 1/12	(33) Japan
(21) EP12798158.7	(11) EP3413949	(51) A61M 1/16
(47) 07.10.2020	(21) EP17705072.1	A61M 1/28
(87) EP2012004916	(47) 07.10.2020	(11) EP3341043
06.06.2013	(87) EP2017052837	(21) EP16839697.6
(22) 28.11.2012	17.08.2017	(47) 07.10.2020
	(22) 09.02.2017	(87) SE2016000043

02.03.2017	(21) EP14766315.7	(73) Carefusion 303 Inc.
(22) 26.08.2016	(47) 07.10.2020	(72) Franks, Brett H.
(54) APPARATUS FOR PERFORMING PERITONEAL ULTRAFILTRATION	(87) US2014053573	(31) 47271009
(73) Triomed AB	05.03.2015	(32) 27.05.2009
(72) BENGTSSON, Hans	(22) 29.08.2014	(33) United States of America
(31) 1530127	(54) DEVICE FOR TRANS ANAL IRRIGATION	(51) A61M 5/148
(32) 27.08.2015	(73) Hollister Incorporated	A61M 5/152
(33) Sweden	(72) FOLEY, Adam J.	A62C 13/00
(51) A61M 1/16	COLLUM, Stephen	B65D 83/00
A61M 1/34	HANNON, David	(11) EP2681128
A61M 1/36	(31) 201361872155 P	(21) EP12714383.2
(11) EP3377140	201462022051 P	(47) 07.10.2020
(21) EP16798411.1	(32) 30.08.2013	(87) IL2012050063
(47) 07.10.2020	08.07.2014	07.09.2012
(87) EP2016001946	(33) United States of America	(22) 01.03.2012
26.05.2017	United States of America	(54) PROPELLANT-FREE PRESSURIZED MATERIAL DISPENSER AND METHOD
(22) 17.11.2016	(51) A61M 3/02	(73) Greensense Ltd.
(54) DIALYSIS DEVICE COMPRISING HEATING AND COOLING MECHANISM	(11) EP3184132	(72) HAR-SHAI, Gadi
(73) Fresenius Medical Care Deutschland GmbH	(21) EP17000079.8	(31) 201161448271 P
(72) SPICKERMANN, Reiner	(47) 07.10.2020	(32) 02.03.2011
(31) 102015014859	(22) 30.08.2013	(33) United States of America
(32) 17.11.2015	(54) FILM WELDED CONTAINER FOR HOUSING A DEVICE FOR INTRODUCING AN IRRIGATION MEDIUM AND/OR FOR TRIGGERING A DEFECATION REFLEX IN THE COURSE OF A ONE-OFF DISPOSABLE USE	(51) A61M 5/19
(33) Germany	(73) Advanced Medical Balloons GmbH	A61M 5/31
(51) A61M 1/16	(72) Göbel, Fred	(11) EP2877231
A61M 1/36	(31) 102012017144	(21) EP13744925.2
F04B 43/12	(32) 30.08.2012	(47) 07.10.2020
(11) EP3492121	(33) Germany	(87) US2013051805
(21) EP16910252.2	(51) A61M 3/02	30.01.2014
(47) 07.10.2020	(11) EP3554580	(22) 24.07.2013
(87) CN2016095632	(21) EP17832610.4	(54) MULTI-BARREL SYRINGE INJECTION SYSTEM
01.02.2018	(47) 07.10.2020	(73) Muffin Incorporated
(22) 17.08.2016	(87) US2017065266	(72) HOFFMAN, Grant, T.
(54) HEAT EXCHANGE SYSTEM FOR CARDIAC SURGERY REQUIRING CARDIOPLEGIC ARREST	21.06.2018	EELLS, Robert
(73) Hu, Weiwen	(22) 08.12.2017	NEOH, Wen, Hong
Blumendeller, Ulrich	(54) TRANSANAL IRRIGATION DEVICE AND SYSTEM	MELSHEIMER, Jeffrey, S.
(72) Hu, Weiwen	(73) Hollister Incorporated	(31) 201261675936 P
Blumendeller, Ulrich	(72) HENRY, Jerome, A.	(32) 26.07.2012
(31) 201610627405	ARNOLD, William, K.	(33) United States of America
(32) 29.07.2016	COLLUM, Stephen	(51) A61M 5/30
(33) China	GAMBLIN, Denise	(11) EP3174579
(51) A61M 1/28	SETH, Ruchi	(21) EP15757146.4
(11) EP3536361	FOLEY, Adam	(47) 07.10.2020
(21) EP19166992.8	(31) 201662434143 P	(87) EP2015067838
(47) 07.10.2020	(32) 14.12.2016	11.02.2016
(22) 23.03.2012	(33) United States of America	(22) 03.08.2015
(54) PERITONEAL DIALYSIS SYSTEMS, DEVICES, AND METHODS	(51) A61M 5/14	(54) NEEDLELESS INJECTION DEVICE WITH A MEMBRANE
(73) NxStage Medical Inc.	A61M 5/142	(73) Lell, Peter
(72) BURBANK, Jeffrey, H.	A61M 5/145	(72) LELL, Peter
BRUGGER, James, M.	A61M 5/168	(31) 14179613
TREU, Dennis, M.	A61M 5/36	(32) 02.08.2014
WYETH, Mark, T.	A61M 39/22	(33) European Patent Office (EPO)
(31) 201161466921 P	F04B 27/067	(51) A61M 5/315
201161490183 P	F16K 5/04	(11) EP2529773
201161509240 P	F16K 11/085	(21) EP12165094.9
(32) 23.03.2011	F04B 1/06	(47) 07.10.2020
26.05.2011	(11) EP3456368	(22) 28.05.2010
19.07.2011	(21) EP18186856.3	(54) Resetting mechanism for a drug delivery device
(33) United States of America	(47) 07.10.2020	(73) Sanofi-Aventis Deutschland GmbH
United States of America	(22) 26.05.2010	(72) Plumptre, David Aubrey
United States of America	(54) METHOD OF DELIVERING FLUID	Jones, Christopher John
(51) A61M 3/02		(31) 182820 P
(11) EP3038670		09009057
		(32) 01.06.2009
		10.07.2009

(33) United States of America European Patent Office (EPO)	(73) Adherium (NZ) Limited (72) SUTHERLAND, Garth Campbell	(31) 53485304 (32) 20.08.2004 (33) New Zealand
(51) A61M 5/50 A61M 39/10 G01L 7/00 G09F 3/00	(31) 61492813 (32) 30.08.2013 (33) New Zealand	(51) A61M 16/00 F04D 17/12 F04D 29/28 F04D 29/40
(11) EP2021767 (21) EP07762020.1 (47) 07.10.2020 (87) US2007068492 22.11.2007 (22) 08.05.2007 (54) VASCULAR ACCESS DEVICE CLEANING STATUS INDICATION	(51) A61M 15/00 (11) EP3242702 (21) EP16735234.3 (47) 07.10.2020 (87) NZ2016050001 14.07.2016 (22) 06.01.2016 (54) MONITOR FOR A MEDICAMENT INHALER	(11) EP3300756 (21) EP17196708.6 (47) 07.10.2020 (22) 10.06.2004 (54) MULTIPLE STAGE BLOWER AND ENCLOSURE THEREFOR
(73) Becton, Dickinson and Company (72) STOUT, Marty, L. CRAWFORD, Mark, A. HARDING, Weston, F. MCKINNON, Austin, Jason	(73) Adherium (NZ) Limited (72) SUTHERLAND, Garth Campbell GORMACK, Michael James BAINBRIDGE, Darren James CATT, Benjamin Lance SCHOLTEN, Edward SHANNON, Craig David	(73) ResMed Pty Ltd (72) VIRR, Alexander LEA, Stephen Anthony (31) 477063 P 477358 P (32) 10.06.2003 11.06.2003 (33) United States of America United States of America
(31) 798517 P 745359 (32) 08.05.2006 07.05.2007 (33) United States of America United States of America	(31) 70373915 70434815 71104515 (32) 09.01.2015 02.02.2015 13.08.2015 (33) New Zealand New Zealand New Zealand	(51) A61M 16/06 (11) EP3417898 (21) EP18000527.4 (47) 07.10.2020 (22) 15.06.2018 (54) RESPIRATORY MASK WITH A COUPLING ELEMENT FOR A HEAD HARNES
(51) A61M 11/00 A61M 11/06 A61M 15/00 A61M 16/00 A61M 16/04 A61M 16/06 A61M 16/08 A61M 16/10 A61M 16/14 A61M 16/20 (11) EP3366342 (21) EP18158684.3 (47) 07.10.2020 (22) 26.02.2018 (54) NEBULIZER ASSEMBLY AND METHOD OF MANUFACTURING	(51) A61M 15/06 A24F 47/00 (11) EP3119220 (21) EP15713222.6 (47) 07.10.2020 (87) GB2015050799 24.09.2015 (22) 19.03.2015 (54) AN INHALER (73) Kind Consumer Limited (72) HEARN, Alex MCDERMONT, Iain NYEIN, Khine Zaw COTTENDEN, David John	(73) Löwenstein Medical Technology S.A. (72) Frerichs, Arnold Bechtel, Martin Eifler, Martin Gardein, Joachim (31) 102017005691 102017005704 (32) 19.06.2017 19.06.2017 (33) Germany Germany
(73) Hill-Rom Services PTE. LTD. (72) SING, Jack Barney SANGADI, Nookarajesh Varma FRONDORF, Michael M MAHALINGAM, Pratheep Kumar VENKATARAYA, Suresha WANG, Yue Yun YE, Chau Chong FERNANDES, Joel Preetham JIANG, Cong TAN, Wei T KUNG, Eugene Hong Kheng KOH, Siew Ying TEO, Tak Wei David NOAEILL, Leah	(31) 201404940 (32) 19.03.2014 (33) United Kingdom (51) A61M 16/00 A61M 16/06 A61M 16/08 A61M 16/10 A61M 16/16 (11) EP1778330 (21) EP05776618.0 (47) 07.10.2020 (87) NZ2005000219 23.02.2006 (22) 19.08.2005 (54) APPARATUS FOR MEASURING PROPERTIES OF GASES SUPPLIED TO A PATIENT	(51) A61M 16/06 A61M 16/08 (11) EP3300759 (21) EP16813481.5 (47) 07.10.2020 (87) CN2016070622 29.12.2016 (22) 12.01.2016 (54) FACE MASK ASSEMBLY (73) BMC Medical Co., Ltd. (72) LIU, Yuanxiang ZHUANG, Zhi (31) 201510350159 (32) 23.06.2015 (33) China
(31) 201762463806 P (32) 27.02.2017 (33) United States of America	(51) A61M 15/00 (11) EP3038685 (21) EP14784557.2 (47) 07.10.2020 (87) NZ2014000184 05.03.2015 (22) 29.08.2014 (54) A COMPLIANCE MONITOR FOR A MEDICAMENT INHALER	(51) A61M 25/00 (11) EP3302669 (21) EP16727120.4 (47) 07.10.2020 (87) US2016034281 08.12.2016 (22) 26.05.2016 (54) CATHETER WITH TAPERING OUTER DIAMETER (73) Covidien LP (72) JACKSON, Brad NGUYEN, John

<p>HUYNH, Anthony WILLIAMS, Rick (31) 201514725108 201514725283 201514725174 201514725221 (32) 29.05.2015 29.05.2015 29.05.2015 29.05.2015 (33) United States of America United States of America United States of America United States of America</p> <hr/> <p>(51) A61M 25/00 A61M 25/01 A61M 25/06 (11) EP3151897 (21) EP15729053.7 (47) 07.10.2020 (87) US2015034459 17.12.2015 (22) 05.06.2015 (54) DELIVER ASSIST DEVICE FOR GUIDE CATHETER (73) Boston Scientific Scimed Inc. (72) WASDYKE, Joel M. MICKLEY, Timothy J. (31) 201462009727 P (32) 09.06.2014 (33) United States of America</p> <hr/> <p>(51) A61M 25/00 A61M 25/01 A61M 25/06 A61M 25/09 A61M 39/10 (11) EP3546011 (21) EP19175190.8 (47) 07.10.2020 (22) 27.11.2013 (54) CATHETER (73) Terumo Kabushiki Kaisha (72) KAWAGUCHI, Michihiro (31) 2012262764 (32) 30.11.2012 (33) Japan</p> <hr/> <p>(51) A61M 25/00 A61M 25/01 A61M 25/06 B65B 5/04 B65B 7/02 B65B 55/22 B65D 81/22 B65D 85/08 (11) EP3210909 (21) EP17150789.0 (47) 07.10.2020 (22) 06.08.2004 (54) A HYDROPHILIC CATHETER IN A PACKAGE (73) Hollister Incorporated (72) Murray, Michael Gilman, Thomas H. Sweeney, Sean Creaven, Martin (31) 493493 P (32) 08.08.2003 (33) United States of America</p> <hr/>	<p>(51) A61M 25/00 A61M 25/02 A61M 27/00 (11) EP2925402 (21) EP13858586.4 (47) 07.10.2020 (87) US2013072304 05.06.2014 (22) 27.11.2013 (54) TISSUE BONDING IMPLANTATION DEVICE (73) Griffith, Donald P. (72) Griffith, Donald P. (31) 201261731532 P (32) 30.11.2012 (33) United States of America</p> <hr/> <p>(51) A61M 25/00 B29C 59/02 B29C 59/04 (11) EP2535077 (21) EP12172148.4 (47) 07.10.2020 (22) 15.06.2012 (54) Method of manufacturing a catheter for antimicrobial control and device for manufacturing thereof. (73) University of Florida Research Foundation, Inc. (72) Chung, Kenneth K. Brennan, Anthony B. McCullough Spiecker, Mark Stoneberg, Ryan Thielmann, Walter Scott Reddy, Shravanthi (31) 201113161137 (32) 15.06.2011 (33) United States of America</p> <hr/> <p>(51) A61M 25/01 A61M 25/098 A61M 25/14 A61M 25/10 A61B 90/30 (11) EP2887993 (21) EP13831251.7 (47) 07.10.2020 (87) US2013056193 27.02.2014 (22) 22.08.2013 (54) DEVICE UTILIZING A RADIOPAQUE ELEMENT FOR ANATOMICAL LESION LENGTH ESTIMATION (73) Volcano Corporation (72) STIGALL, Jeremy LEBLANC, Chris SASAMINE, Kazuo (31) 201261692603 P (32) 23.08.2012 (33) United States of America</p> <hr/> <p>(51) A61M 27/00 (11) EP2858710 (21) EP13735093.0 (47) 07.10.2020 (87) US2013044972 12.12.2013 (22) 10.06.2013 (54) URETERAL STENT FOR PLACEMENT IN A KIDNEY AND BLADDER (73) University Hospitals Health System Inc.</p>	<p>(72) PONSKY, Lee E. SECRET, Dean (31) 201261657228 P (32) 08.06.2012 (33) United States of America</p> <hr/> <p>(51) A61M 37/00 B29C 33/42 B29C 39/02 B29C 41/04 B29C 43/02 B29C 43/14 B29C 43/20 B29L 31/00 (11) EP3006078 (21) EP14807088.1 (47) 07.10.2020 (87) JP2014064718 11.12.2014 (22) 03.06.2014 (54) NEEDLE BODY MANUFACTURING METHOD (73) Toppan Printing Co., Ltd. (72) KATO, Hiroyuki TAGAMI, Hanae UENO, Hisami GUNJIMA, Seiji MATSUZAWA, Hiroshi ARAKI, Momoko TAKAHATA, Shigeki (31) 2013116895 2014002305 2014005547 2014038223 2014095102 2014095103 (32) 03.06.2013 09.01.2014 16.01.2014 28.02.2014 02.05.2014 02.05.2014 (33) Japan Japan Japan Japan Japan Japan</p> <hr/> <p>(51) A61M 39/10 A61M 39/16 A61M 39/18 A61M 39/20 (11) EP2964313 (21) EP14716925.4 (47) 07.10.2020 (87) IB2014059429 12.09.2014 (22) 04.03.2014 (54) CAP CONNECTOR ASSEMBLY (73) Debiotech S.A. (72) NEFTTEL, Frédéric (31) 13157635 (32) 04.03.2013 (33) European Patent Office (EPO)</p> <hr/> <p>(51) A61N 1/05 A61B 90/00 (11) EP3488897 (21) EP19152404.0 (47) 07.10.2020</p>
--	--	---

(22) 04.03.2015	(22) 15.12.2010	RIVOLTA, Giovanni
(54) MEDICAL DEVICE HAVING ECHOGENIC FEATURES	(54) SINTERED ELECTRODES TO STORE ENERGY IN AN IMPLANTABLE MEDICAL DEVICE	VELLA, Fulvia
(73) Gyrus ACMI, Inc. d/b/a Olympus Surgical Technologies America	(73) Cardiac Pacemakers, Inc.	(31) 201113083047
(72) SHUMAN, Brandon J.	(72) SHERWOOD, Gregory, J.	MI20110713
GONZALEZ, Hugo Xavier	ROOT, Michael J.	(32) 08.04.2011
(31) 201461972070 P	KUHN, Peter Jay	29.04.2011
(32) 28.03.2014	BYRON, Mary M.	(33) United States of America
(33) United States of America	STEMEN, Eric	Italy
(51) A61N 1/05	(31) 288062 P	(51) A61P 7/00
A61N 1/36	(32) 18.12.2009	C12M 1/02
A61N 1/375	(33) United States of America	C12M 3/00
(11) EP3111988	(51) A61N 5/10	C12M 3/08
(21) EP16160482.2	(11) EP2842603	C12N 5/10
(47) 07.10.2020	(21) EP14179717.5	C12N 15/09
(22) 24.11.2006	(47) 07.10.2020	C12N 15/85
(54) A COMPRESSIBLE DEVICE	(22) 04.08.2014	C12N 5/078
(73) Femeda Limited	(54) Particle beam irradiation system and operating method	A61K 35/19
(72) BOYD, Graham Peter	(73) Hitachi, Ltd.	A61K 35/545
FRENCH, Edward Michael	(72) Ogasawara, Kosuke	(11) EP3372674
GREGSON, Ian	Nomura, Takuya	(21) EP16862024.3
HERBERT, Julia Heather	Nishiuchi, Hideaki	(47) 07.10.2020
(31) 0523917	(31) 2013180178	(87) JP2016082206
(32) 24.11.2005	(32) 30.08.2013	11.05.2017
(33) United Kingdom	(33) Japan	(22) 31.10.2016
(51) A61N 1/05	(51) A61P 1/00	(54) METHOD FOR PREPARING PLATELETS USING RECIPROCATING STIRRING DEVICE
A61N 1/36	A23L 21/10	(73) Megakaryon Corporation
A61N 1/375	A23L 29/20	Satake Chemical Equipment Mfg Ltd.
(11) EP3463566	(11) EP3045053	(72) SHIGEMORI, Tomohiro
(21) EP17726626.9	(21) EP14844063.9	OKAMOTO, Haruki
(47) 07.10.2020	(47) 07.10.2020	KATO, Yoshikazu
(87) EP2017063024	(87) JP2014065655	(31) 2015215936
07.12.2017	19.03.2015	(32) 02.11.2015
(22) 30.05.2017	(22) 12.06.2014	(33) Japan
(54) SHAPE-ADAPTIVE MEDICAL IMPLANT	(54) FOOD COMPOSITION FOR PATIENTS HAVING MASTICATION AND SWALLOWING DIFFICULTIES	(51) A61P 17/02
(73) Medizinische Hochschule Hannover	(73) OTSUKA PHARMACEUTICAL FACTORY, INC.	C07K 14/78
(72) STIEGHORST, Jan	(72) ABE, Kazumi	C12M 3/00
DOLL, Theodor	ISHIBASHI, Naoto	(11) EP3455250
(31) 102016110137	(31) 2013190536	(21) EP17725911.6
(32) 01.06.2016	(32) 13.09.2013	(47) 07.10.2020
(33) Germany	(33) Japan	(87) EP2017061517
(51) A61N 1/05	(51) A61P 5/14	16.11.2017
A61N 1/36	A61P 43/00	(22) 12.05.2017
H04R 25/00	C07C 303/24	(54) POLYPEPTIDE DERIVED FROM TROPOELASTIN AND BIOCOMPATIBLE MATERIAL COMPRISING SAME
(11) EP3166683	C07C 303/44	(73) Centre National de la Recherche Scientifique
(21) EP14737213.0	G01N 33/78	Université Claude Bernard Lyon 1
(47) 07.10.2020	(11) EP3260443	(72) DEBRET, Romain
(87) EP2014064436	(21) EP17182061.6	FAYE, Clément
14.01.2016	(47) 07.10.2020	SOHIER, Jérôme
(22) 07.07.2014	(22) 05.04.2012	SOMMER, Pascal
(54) SYSTEM FOR COMBINED NEURAL AND ACOUSTIC HEARING STIMULATION	(54) A PHARMACEUTICAL COMPOSITION COMPRISING A SULFATED DERIVATIVE OF 3,5-DIODO-O-[3-IODOPHENYL]-L-TYROSINE	(31) 1654306
(73) Advanced Bionics AG	(73) Bracco Imaging SPA	(32) 13.05.2016
(72) HAMACHER, Volkmar	(72) ANELLI, Pier Lucio	(33) France
CHALUPPER, Josef	ARGESE, Maria	(51) A61P 35/00
(51) A61N 1/375	BOI, Valeria	A61K 47/50
A61N 1/378	CAVALIERI, Livio	(11) EP3139963
H01G 9/008	GALIMBERTI, Laura	(21) EP15709742.9
H01G 9/052	GAZZETTO, Sonia	(47) 07.10.2020
H01G 9/06	LATTUADA, Luciano	(87) IB2015050914
H01G 9/08	MAISANO, Federico	13.08.2015
(11) EP2513930		(22) 06.02.2015
(21) EP10796246.6		
(47) 07.10.2020		
(87) US2010060432		
23.06.2011		

(54) CONJUGATES AND PRODRUGS FOR TREATING OF CANCER AND INFLAMMATORY DISEASES	A62B 35/00 A62B 35/04 (11) EP3337573	(31) 201462083526 P (32) 24.11.2014 (33) United States of America
(73) Centre National de la Recherche Scientifique Université De Poitiers	(21) EP15754399.2 (47) 07.10.2020 (87) US2015045592	(51) A63B 21/008 A63B 23/18 A63B 24/00
(72) PAPOT, Sébastien OPALINSKI, Isabelle RENOUX, Brigitte LEGIGAN, Thibaut	23.02.2017 (22) 18.08.2015 (54) SHUTTLE FOR A CLIMBING PROTECTION SYSTEM	(11) EP3332841 (21) EP17205763.0 (47) 07.10.2020 (22) 06.12.2017
(31) 1450956 (32) 07.02.2014 (33) France	(73) Honeywell International Inc. (72) EMICH, Frank	(54) A SPORTS MASK SYSTEM (73) McKeown, Patrick McKeown, Teresa
(51) A61P 35/00 G01N 21/64 G01N 33/574 G06T 7/00 G16H 30/20 G16H 40/63 G16H 50/30	(51) A62B 18/08 (11) EP3253458 (21) EP16713641.5 (47) 07.10.2020 (87) US2016016756	(31) 201615371461 (32) 07.12.2016 (33) United States of America
(11) EP3365682 (21) EP16858374.8 (47) 07.10.2020 (87) US2016058278	27.04.2017 (22) 21.10.2016 (54) SYSTEM FOR DERIVING CELL-TO-CELL SPATIAL PROXIMITIES	(51) A63B 37/14 A63B 41/00 A63B 41/08 A63B 43/00
(73) Novartis AG (72) BORDEAUX, Jennifer LITTLE, Brian	(22) 05.02.2016 (54) INFLATABLE HARNESS ASSEMBLY FOR AIRCRAFT OXYGEN CREW MASK	(11) EP3088054 (21) EP14874223.2 (47) 07.10.2020 (87) JP2014084718
(31) 201562245933 P 201562259326 P (32) 23.10.2015 24.11.2015 (33) United States of America United States of America	(31) 201562113197 P 201615014175 (32) 06.02.2015 03.02.2016 (33) United States of America United States of America	(22) 02.07.2015 (22) 26.12.2014 (54) BALL (73) Molten Corporation (72) WAKIBAYASHI, Kazuyuki SATO, Yosuke FUJIWARA, Naoyuki NAGAO, Yukinori
(51) A61P 35/02 C07K 16/28 (11) EP3284755 (21) EP17189927.1 (47) 07.10.2020 (22) 30.12.2011 (54) CONJUGATED ANTI-CD38 ANTIBODIES	(51) A62C 2/06 E03F 5/04 F16L 5/04 (11) EP2402520 (21) EP11172270.8 (47) 07.10.2020 (22) 30.06.2011 (54) Fire protection for floor drain	(31) 2013271689 2014076561 (32) 27.12.2013 02.04.2014 (33) Japan Japan
(73) Takeda Pharmaceutical Company Limited (72) ELIAS, Kathleen Ann LANDES, Gregory SINGH, Shweta KORVER, Wouter DRAKE, Andrew Walling HAAK-FRENDSCHO, Mary SNELL, Gyorgy Pal BHASKAR, Vinay	(73) TECE GmbH (72) Krabbe, Martin Thomas, Christian Seidel, Wolfgang (31) 102010030836 (32) 01.07.2010 (33) Germany	(51) A63B 41/08 B29C 37/00 D04B 21/16 (11) EP3095490 (21) EP16169352.8 (47) 07.10.2020 (22) 28.05.2009 (54) SPORT BALL BLADDER
(31) 201061428699 P 201161470382 P 201161470406 P 201161485104 P (32) 30.12.2010 31.03.2011 31.03.2011 11.05.2011 (33) United States of America United States of America United States of America United States of America	(51) A62C 3/16 F16L 5/04 H02G 3/22 (11) EP3569907 (21) EP18172302.4 (47) 07.10.2020 (22) 15.05.2018 (54) PENETRATION DEVICE	(73) NIKE Innovate C.V. (72) RAPAPORT, Zvi WHITE, Vincent F. (31) 147943 (32) 27.06.2008 (33) United States of America
(51) A62B 1/14	(73) Oy FCR Finland Ltd (72) NOUSIAINEN, Ari (51) A63B 21/00 A63B 23/035 (11) EP3223921 (21) EP15863002.0 (47) 07.10.2020 (87) IB2015059056 02.06.2016 (22) 24.11.2015 (54) AQUA EXERCISE EQUIPMENT	(51) A63B 47/00 A63B 71/00 A63B 102/02 (11) EP3025768 (21) EP14837497.8 (47) 07.10.2020 (87) JP2014063314 26.02.2015 (22) 20.05.2014 (54) HOLLOW BALL STORAGE METHOD (73) Sumitomo Rubber Industries, Ltd. (72) TAKIHARA, Hironori (31) 2013170012 (32) 20.08.2013 (33) Japan
	(73) Aqua Group Limited (72) PALLESEN, John Douglas ELLIOTT, Troy Jonathon PALLESEN, Richard Alexander	

(51) A63C 9/00 A63C 9/08 A63C 9/20	(73) Disney Enterprises, Inc.	(54) GAME STATE SAVE, TRANSFER AND RESUME FOR CLOUD GAMING
(11) EP3554656	(72) Heatherly, Christopher W.	(73) Sony Interactive Entertainment America LLC
(21) EP17822123.0	Ong, Kenlip	(72) COLENBRANDER, Roelof, Roderick
(47) 07.10.2020	Mkrtchyan, Armen	(31) 201462099027 P
(87) AT2017060335	Backer, Jonathan	201514603308
28.06.2018	White, Brian	(32) 31.12.2014
(22) 19.12.2017	(31) 399249 P	22.01.2015
(54) CROSS-COUNTRY OR TOURING BINDING	806986	(33) United States of America
(73) Fischer Sports GmbH	(32) 08.07.2010	United States of America
(72) FELLIN, Nicolas	24.08.2010	<hr/>
KOGLER, Hannes	(33) United States of America	(51) A63F 13/497
(31) 511542016	United States of America	(11) EP3530330
(32) 19.12.2016	(51) A63F 9/24	(21) EP19155365.0
(33) Austria	A63H 30/04	(47) 07.10.2020
<hr/>	B64C 39/02	(22) 04.02.2019
(51) A63D 5/02	G05D 1/00	(54) VIDEO RECORDING AND PLAYBACK SYSTEMS AND METHODS
A63D 5/08	G05D 1/10	(73) Sony Interactive Entertainment Europe Limited
(11) EP3568219	G05G 5/05	Sony Interactive Entertainment Inc.
(21) EP18742756.2	G05G 9/047	(72) RYAN, Nicholas Anthony Edward
(47) 07.10.2020	G08C 17/02	SPENCER, Hugh Alexander Dinsdale
(87) EP2018069050	H05K 1/18	SWANN, Andrew
09.05.2019	H05K 5/00	(31) 201802946
(22) 12.07.2018	H05K 5/02	(32) 23.02.2018
(54) DEVICE AND METHOD FOR SETTING UP AT LEAST ONE BOWLING PIN	(11) EP3476451	(33) United Kingdom
(73) Pin Marketing S.L.	(21) EP18788988.6	<hr/>
(72) HOHNECKER, Sven	(47) 07.10.2020	(51) A63F 13/497
(31) 17199791	(87) CN2018083756	A63F 13/52
(32) 02.11.2017	28.02.2019	A63F 13/5372
(33) European Patent Office (EPO)	(22) 19.04.2018	(11) EP3530329
<hr/>	(54) JOYSTICK DEVICE AND REMOTE CONTROLLER HAVING THE JOYSTICK DEVICE	(21) EP18215684.4
(51) A63F 1/00	(73) Autel Robotics Co., Ltd.	(47) 07.10.2020
A63F 1/14	(72) LIANG, Zhiying	(22) 21.12.2018
A63F 1/18	ZHANG, Huihua	(54) VIDEO RECORDING AND PLAYBACK SYSTEMS AND METHODS
A63F 3/00	(31) 201710742687	(73) Sony Interactive Entertainment Inc.
A63F 9/24	(32) 25.08.2017	Sony Interactive Entertainment Europe Limited
G07F 17/32	(33) China	(72) SPENCER, Hugh Alexander Dinsdale
G06Q 50/34	(51) A63F 13/35	SWANN, Andrew
(11) EP3332846	A63F 13/45	BRISLIN, Simon Andrew St John
(21) EP16833045.4	A63F 13/795	RYAN, Nicholas Anthony Edward
(47) 07.10.2020	A63F 13/847	(31) 201802946
(87) JP2016072671	(11) EP2952235	201810195
09.02.2017	(21) EP14746110.7	(32) 23.02.2018
(22) 02.08.2016	(47) 07.10.2020	21.06.2018
(54) FRAUD DETECTION SYSTEM AT GAME PARLOR	(87) JP2014000482	(33) United Kingdom
(73) Angel Playing Cards Co., Ltd.	07.08.2014	United Kingdom
(72) SHIGETA, Yasushi	(22) 30.01.2014	<hr/>
(31) 2015163213	(54) GAME DEVICE, GAME CONTROL METHOD, GAME CONTROL PROGRAM, MATCHING SERVER, MATCHING CONTROL METHOD, AND MATCHING CONTROL PROGRAM	(51) A63G 25/00
2015206735	(73) Sony Interactive Entertainment Inc.	A63G 33/00
(32) 03.08.2015	(72) ISHIDA, Takayuki	A63H 15/00
01.10.2015	SANKOU, Takeru	A63H 15/02
(33) Japan	(31) 2013017745	A63H 18/02
Japan	(32) 31.01.2013	A63K 1/00
<hr/>	(33) Japan	E01C 1/00
(51) A63F 3/00	(51) A63F 13/355	A63F 13/45
G06F 3/041	A63F 13/493	(11) EP3527720
G06F 3/044	(11) EP3240616	(21) EP17860509.3
G06F 3/0488	(21) EP15816286.7	(47) 07.10.2020
A63F 13/214	(47) 07.10.2020	(87) KR2017010463
A63F 13/2145	(87) US2015062671	19.04.2018
A63F 13/40	07.07.2016	(22) 22.09.2017
(11) EP2405330	(22) 25.11.2015	(54) RACE CAR TRACK FOR ALLOWING NON-POWERED TRAVELING BY USING GRAVITY
(21) EP11173200.4		(73) Monolith Inc.
(47) 07.10.2020		(72) KIM, Na Young
(22) 08.07.2011		
(54) Interactive game pieces using touch screen devices for toy play		

KIM, Jong Seok	(72) RODRIGUES, José	(33) Singapore
JUNG, Jae Woong	VERTENOEUIL, Philippe	Singapore
(31) 20160131193	CHAUVEAU, Thomas	(51) B01D 39/14
(32) 11.10.2016	WAISSI, Bellal	(11) EP3337588
(33) Korea (Republic)	(31) 1655233	(21) EP16837728.1
(51) B01D 19/00	(32) 08.06.2016	(47) 07.10.2020
B01L 3/00	(33) France	(87) US2016047283
B65D 51/16	(51) B01D 29/21	23.02.2017
F16B 1/00	B01D 29/35	(22) 17.08.2016
G01N 7/10	B01D 29/60	(54) METHODS OF MAKING FILTER MEDIA
G01N 33/28	B01D 35/143	PACKS
H01F 27/08	B01D 35/15	(73) Clarcor INC.
H05K 5/02	B01D 46/00	(72) TATE, Jason L.
(11) EP3226994	B01D 46/24	CALCATERRA, Farrell F.
(21) EP15820217.6	B01D 46/42	GREEN, Thomas B.
(47) 07.10.2020	B01D 46/52	WICK, Charles R.
(87) FR2015053293	(11) EP3315183	PASTRANA, Ryan M.
09.06.2016	(21) EP17196633.6	MICHLITSCH, John
(22) 02.12.2015	(47) 07.10.2020	(31) 201562206100 P
(54) MEMBRANE SCREW, AND METHOD	(22) 16.10.2017	201562243740 P
FOR USING SAME	(54) FILTER INCLUDING RFID TAG	(32) 17.08.2015
(73) Electricité de France	(73) Pall Corporation	20.10.2015
(72) ZOUITI, Mohamed	(72) PALUSZEWSKI, Paul	(33) United States of America
GUUINIC, Philippe	VANZANDT, Brent	United States of America
(31) 1461824	WARMUTH, Eric	(51) B01D 39/18
(32) 03.12.2014	(31) 201615337364	B01D 39/20
(33) France	(32) 28.10.2016	B29C 53/84
(51) B01D 21/00	(33) United States of America	B32B 17/06
B01D 21/24	(51) B01D 29/52	(11) EP3326783
B01D 21/26	B01D 29/96	(21) EP17196791.2
C02F 1/38	(11) EP3212302	(47) 07.10.2020
E03F 5/14	(21) EP15807947.5	(22) 16.12.2011
(11) EP3180100	(47) 07.10.2020	(54) FILTER MEDIA WITH FIBRILLATED
(21) EP15832386.5	(87) FR2015052885	FIBERS
(47) 07.10.2020	06.05.2016	(73) Hollingsworth & Vose Company
(87) US2015044658	(22) 27.10.2015	(72) Battenfeld, Juergen
18.02.2016	(54) DEVICE FOR FILTERING ROLLING OIL	Widrig, William E.
(22) 11.08.2015	(73) FIVES DMS	Nofz, Eszter
(54) RING GRIT REMOVER	(72) SEQUEIRA, David	(31) 201013971432
(73) Smith & Loveless Inc.	BASSEZ, Cédric	(32) 17.12.2010
(72) NOONAN, Francis M.	ERNST DE LA GRAETE, Conrad	(33) United States of America
WHITE, Dale	(31) 1460339	(51) B01D 46/00
MRKVICKA, Rodney S.	(32) 28.10.2014	B01D 46/48
(31) 201462035594 P	(33) France	(11) EP2525891
(32) 11.08.2014	(51) B01D 39/00	(21) EP11702337.4
(33) United States of America	G01N 33/50	(47) 07.10.2020
(51) B01D 29/21	G01N 33/574	(87) US2011021892
(11) EP3124091	C12N 5/071	25.08.2011
(21) EP16174697.9	C12Q 1/6886	(22) 20.01.2011
(47) 07.10.2020	(11) EP3248004	(54) PULSE JET AIR CLEANER SYSTEMS;
(22) 16.06.2016	(21) EP16740483.9	EVACUATION VALVE ARRANGEMENTS;
(54) BELLOWS, FILTER ELEMENT AND	(47) 07.10.2020	AIR CLEANER COMPONENTS; AND,
METHOD	(87) SG2016050027	METHODS
(73) MANN + HUMMEL GMBH	28.07.2016	(73) Donaldson Company, Inc.
(72) Gehwolf, Klaus	(22) 21.01.2016	(72) WAHLQUIST, Fred, H.
(31) 102015009625	(54) RARE CELLS AND USES THEREOF	OLSON, Thomas, R.
(32) 29.07.2015	(73) Agency for Science, Technology and	DEGUELLE, Jason, R.
(33) Germany	Research	(31) 297522 P
(51) B01D 29/21	(72) YING, Jackie Y.	324493 P
(11) EP3468688	TAN, Min-Han	(32) 22.01.2010
(21) EP17731624.7	LEE, Yoke San Daniel	15.04.2010
(47) 07.10.2020	CIMA, Igor	(33) United States of America
(87) FR2017051361	PARK, Yeon Joon	United States of America
14.12.2017	PHYO, Wai Min	(51) B01D 53/02
(22) 31.05.2017	(31) 10201500471Q	B01D 53/04
(54) FUEL FILTER HAVING HIGH	10201500472R	B01J 20/10
RESISTANCE TO ICING	(32) 21.01.2015	C07C 7/12
(73) Safran Aircraft Engines	21.01.2015	C10L 3/10

(11) EP3310744	B01J 20/34	WESELUCHA, Aleksandra
(21) EP16812504.5	(11) EP3297747	CAMRA, Józef
(47) 07.10.2020	(21) EP16795987.3	JANIGA, Stanislaw
(87) US2016038038	(47) 07.10.2020	DUKLA, Iga
22.12.2016	(87) IB2016052880	KOZICKI, Mateusz
(22) 17.06.2016	24.11.2016	KORNELAK, Pawel
(54) METHOD OF SEPARATING	(22) 18.05.2016	LASOCHA, Wieslaw
C6+HYDROCARBONS FROM	(54) A PROCESS FOR CAPTURING	RAFALSKA-LASOCHA, Alicja
NATURAL GAS BY ADSORPTION AND	CARBON-DIOXIDE FROM A GAS	(31) 39590511
TSA-SYSTEM	STREAM	(32) 08.08.2011
(73) BASF Corporation	(73) Reliance Industries Limited	(33) Poland
(72) DOLAN, William B.	(72) SENGUPTA, Surajit	(51) B01D 53/94
WYATT, Roger	AMTE, Vinay	B01J 23/63
SIEGEL, Angela	DAS, Asit Kumar	B01J 35/00
NEUMANN, Klaus	AKURI, Satyanarayana Reddy	B01J 35/04
ECKARDT, Tobias	YADAV, Manoj	F01N 3/10
(31) 201562180805 P	MANDAL, Sukumar	F01N 3/28
(32) 17.06.2015	GOHEL, Amit	(11) EP3248680
(33) United States of America	NERIVETLA, Sampath	(21) EP16740000.1
(51) B01D 53/04	NATH, Kalyan Chandra	(47) 07.10.2020
B01D 53/047	(31) 1963MU2015	(87) JP2016050513
B01D 53/053	(32) 19.05.2015	28.07.2016
F01K 23/10	(33) India	(22) 08.01.2016
F02C 3/34	(51) B01D 53/22	(54) EXHAUST SYSTEM
F02C 6/18	B01D 71/64	(73) Cataler Corporation
F02C 7/08	C08G 73/10	(72) ONOE, Ryota
(11) EP2890885	C08L 79/08	ITO, Tsuyoshi
(21) EP13832855.4	(11) EP3576863	TAKESUE, Yuki
(47) 07.10.2020	(21) EP18705986.0	IKEBE, Masatoshi
(87) US2013057290	(47) 07.10.2020	KASUYA, Chihiro
06.03.2014	(87) IB2018050737	MORISHITA, Yuta
(22) 29.08.2013	09.08.2018	(31) 2015010702
(54) CYCLE TURBINE ENGINE POWER	(22) 06.02.2018	(32) 22.01.2015
SYSTEM	(54) POLYIMIDE BLENDS, METHODS OF	(33) Japan
(73) Enhanced Energy Group LLC	MAKING EACH AND METHODS OF	(51) B01D 53/94
(72) DUNN, Paul, M.	USE	B01J 23/63
(31) 201261694858 P	(73) King Abdullah University Of Science And	B01J 35/04
201261723130 P	Technology	F01N 3/10
(32) 30.08.2012	(72) PINNAU, Ingo	F01N 3/28
06.11.2012	ALASLAI, Nasser	(11) EP3034166
(33) United States of America	MA, Xiaohua	(21) EP14870329.1
United States of America	WANG, Yingge	(47) 07.10.2020
(51) B01D 53/04	(31) 201762454950 P	(87) JP2014082539
C11B 9/02	(32) 06.02.2017	18.06.2015
A23L 27/10	(33) United States of America	(22) 09.12.2014
A23L 27/12	(51) B01D 53/86	(54) EXHAUST GAS PURIFICATION
(11) EP2938422	B01D 53/94	CATALYST
(21) EP13814161.9	B01J 23/00	(73) Cataler Corporation
(47) 07.10.2020	B01J 23/755	(72) HOSHINO, Sho
(87) EP2013077899	B01J 23/86	HIRAI, Akimasa
03.07.2014	B01J 23/889	TAKI, Kenichi
(22) 23.12.2013	B01J 37/02	MATSUEDA, Satoshi
(54) METHOD FOR EXTRACTING	B01J 37/14	(31) 2013258650
AROMATICIS	C23C 8/14	(32) 13.12.2013
(73) Clariant International Ltd	C23C 8/80	(33) Japan
(72) ZAVREL, Michael	(11) EP2741841	(51) B01D 61/00
DENNEWALD, Dannielle	(21) EP12766727.7	B01D 61/02
HOFMANN, Sandra	(47) 07.10.2020	B01D 61/06
(31) 12199726	(87) PL2012000065	B01D 61/24
(32) 28.12.2012	14.02.2013	B01D 61/42
(33) European Patent Office (EPO)	(22) 08.08.2012	B01D 61/58
(51) B01D 53/12	(54) CATALYST FOR DIRECT	(11) EP3496843
B01D 53/62	DECOMPOSITION OF NITRIC OXIDE	(21) EP17704272.8
B01D 53/96	AND METHOD OF MANUFACTURING	(47) 07.10.2020
B01J 20/04	THE CATALYST	(87) EP2017053078
B01J 20/08	(73) Uniwersytet Jagiellonski	15.02.2018
B01J 20/28	(72) NAJBAR, Mieczyslaw	(22) 10.02.2017
B01J 20/32	DUTKIEWICZ, Jaroslaw	

(54) FLUID PURIFICATION USING FORWARD OSMOSIS, ION EXCHANGE, AND RE-CONCENTRATION	(72) Choi, Young-Woo Lee, Mi-Soon Yang, Tae-Hyun Yoon, Young-Gi Park, Seok-Hee Yang, Hyun-Kyung Kim, Han-Gi Kim, Tae-Hwan Park, Jong-Soo	(32) 28.11.2011 (33) United States of America
(73) fluvicon GmbH	(31) 20130113111	(51) B01D 63/08
(72) GRIESSLER, Thomas	(32) 24.09.2013	(11) EP3431169
(31) PCT/EP2016/069305	(33) Korea (Republic)	(21) EP18183483.9
(32) 12.08.2016	(51) B01D 63/00	(47) 07.10.2020
(33) World Intellectual Property Office (WIPO)	B01D 63/08	(22) 13.07.2018
(51) B01D 61/02	B01D 63/10	(54) FLUID TREATMENT ASSEMBLY AND METHOD OF USE
B01D 61/14	B01D 63/14	(73) Pall Corporation
B01D 71/56	B01D 69/10	(72) Messier, Sylvia Leach, Thomas W.
C12N 15/09	B01D 69/12	(31) 201715654204
C12P 7/56	(11) EP2818230	(32) 19.07.2017
(11) EP2175029	(21) EP13751165.5	(33) United States of America
(21) EP08777309.9	(47) 07.10.2020	(51) B01D 65/02
(47) 07.10.2020	(87) JP2013053936	B01D 65/08
(87) JP2008061105	29.08.2013	B01D 67/00
08.01.2009	(22) 19.02.2013	B01D 71/02
(22) 18.06.2008	(54) SEPARATION MEMBRANE ELEMENT AND SEPARATION MEMBRANE MODULE	(11) EP2520356
(54) LACTIC ACID PRODUCTION METHOD	(73) Toray Industries, Inc.	(21) EP11003652.2
(73) Toray Industries, Inc.	(72) IWAI, Kenta	(47) 07.10.2020
(72) ITO, Masateru	FURUNO, Shuji	(22) 04.05.2011
MINEGISHI, Shin-ichi	ODAKA, Yoshifumi	(54) METHOD FOR CARRYING OUT A FILTRATION PROCESS OF A FLUID
SHIMIZU, Eri	KOMORI, Kenji	(73) Grundfos Management a/s
SAWAI, Kenji	WATANABE, Yasuharu	(72) Holm, Allan Hjarbaek Dooleweerd, Karin
ITO, Yohito	KITANAKA, Atsushi	(51) B01D 65/02
SAWAI, Hideki	KANTANI, Seiko	B01D 65/08
YAMADA, Katsushige	ANDO, Hideaki	B01D 67/00
(31) 2007172082	(31) 2012039089	B01D 71/02
2007198567	2012154336	(11) EP2520355
(32) 29.06.2007	2012167618	(21) EP11003650.6
31.07.2007	(32) 24.02.2012	(47) 07.10.2020
(33) Japan	10.07.2012	(22) 04.05.2011
Japan	27.07.2012	(54) FILTRATION MEMBRANE
(51) B01D 61/14	(33) Japan	(73) Grundfos Management a/s
B01D 61/18	Japan	(72) Holm, Hjarbaek Allan
B01D 63/08	(51) B01D 63/06	(51) B01D 67/00
B01L 3/00	B01D 71/80	B01D 71/40
G01N 33/49	(11) EP2785440	C08J 5/22
(11) EP3395431	(21) EP12799678.3	C08J 7/18
(21) EP17186153.7	(47) 07.10.2020	(11) EP3322749
(47) 07.10.2020	(87) US2012066746	(21) EP16736597.2
(22) 14.08.2017	06.06.2013	(47) 07.10.2020
(54) BLOOD PLASMA AND BLOOD CELL SEPARATION DEVICE AND METHOD	(22) 28.11.2012	(87) GB2016051997
(73) Skyla Corporation Hsinchu Science Park Branch	(54) PARTITION FLUID SEPARATION	19.01.2017
(72) Ho, Ping-Hsing	(73) Corning Incorporated	(22) 01.07.2016
Wei, Chia-Chun	Drury, Kenneth Joseph	(54) ION EXCHANGE MEMBRANES
Chen, Hung-Wei	Dunning, Darryl L.	(73) Fujifilm Manufacturing Europe BV
(31) 201710270473	Johnson, Paul Oakley	(72) HESSING, Jacko
(32) 24.04.2017	Lucchesi, Robert	IKEDA, Morigito
(33) China	Partridge, Randall D	(31) 201512293
(51) B01D 61/42	Sternquist, Brandon T	201515968
C02F 1/469	(72) DRURY, Kenneth Joseph	(32) 14.07.2015
C08J 5/22	DUNNING, Darryl L.	09.09.2015
F03G 7/00	JOHNSON, Paul Oakley	(33) United Kingdom
H01M 14/00	LUCCHESI, Robert	United Kingdom
(11) EP2857441	PARTRIDGE, Randall D	(51) B01F 1/00
(21) EP13194797.0	STERNQUIST, Brandon T	B01F 5/02
(47) 07.10.2020	(31) 201161563860 P	B01F 15/00
(22) 28.11.2013		(11) EP3085436
(54) Ion exchange membrane used in reverse electrodialysis device and reverse electrodialysis device including this membrane		(21) EP16170997.7
(73) Toray Advanced Materials Korea Inc.		(47) 07.10.2020
		(22) 20.02.2013

(54) CONTROLLED DISSOLUTION OF A SOLID PRODUCT	(33) United States of America	(87) EP2015073807
(73) Ecolab USA Inc.	(51) B01F 7/16	21.04.2016
(72) CARROLL, Richard, R.	C10B 47/18	(22) 14.10.2015
MOREY, John, D.	C10B 53/02	(54) GEL TO ELIMINATE GRAFFITIS AND
SCHULTZ, Andrew	(11) EP3077479	PROCESS TO ELIMINATE GRAFFITIS
THOMAS, John, E.	(21) EP14805879.5	USING THIS GEL
ANDERSON, Troy, A.	(47) 07.10.2020	(73) Commissariat à l'Énergie Atomique et
LANZ, Joshua, J.	(87) EP2014075982	aux Énergies Alternatives
DRAKE, Ryan	11.06.2015	(72) LUDWIG, Amélie
(31) 201261601176 P	(22) 28.11.2014	GOETTMANN, Frédéric
(32) 21.02.2012	(54) DEVICE FOR PRODUCING GREEN	FRANCES, Fabien
(33) United States of America	COAL FOR AGRICULTURAL USE	(31) 1459884
(51) B01F 3/04	(73) Mansour, Rawya Lofty	(32) 15.10.2014
B01F 5/04	(72) Mansour, Rawya Lofty	(33) France
F01N 3/20	(31) 1362090	(51) B01J 8/00
F01N 3/28	(32) 04.12.2013	C01B 3/24
(11) EP3555439	(33) France	C01B 3/38
(21) EP17811319.7	(51) B01F 9/06	C01C 1/04
(47) 07.10.2020	B01F 15/00	C01C 1/20
(87) EP2017082097	B28C 5/42	C07C 1/20
21.06.2018	B28C 7/02	C07C 2/06
(22) 08.12.2017	G01C 25/00	C07C 2/84
(54) PIPE MIXER FOR AN	G01P 3/44	C07C 6/04
AFTERTREATMENT SYSTEM	G01C 19/00	C07C 17/02
(73) Perkins Engines Company Limited	(11) EP3068596	C07C 17/10
(72) TUMMALA, Srikanth	(21) EP14809182.0	C07C 29/151
CANG, Xiao	(47) 07.10.2020	C07C 29/20
(31) 201621263	(87) US2014065709	(11) EP3271061
(32) 14.12.2016	21.05.2015	(21) EP16765752.7
(33) United Kingdom	(22) 14.11.2014	(47) 07.10.2020
(51) B01F 5/04	(54) GYROSCOPIC ROTATIONAL	(87) US2016022891
B01F 15/02	MONITORING SYSTEM	22.09.2016
B05C 9/10	(73) Verifi LLC	(22) 17.03.2016
B05C 11/115	(72) JORDAN, Richard K.	(54) OXIDATIVE COUPLING OF METHANE
(11) EP2563524	GLINA, Yan	METHODS AND SYSTEMS
(21) EP11774228.8	ROBERTS, Mark F.	(73) Lummus Technology LLC
(47) 07.10.2020	KOEHLER, Eric P.	(72) RADAELLI, Guido
(87) CA2011000480	(31) 201361904680 P	BRIDGES, Robert
03.11.2011	(32) 15.11.2013	RAFIQUE, Humera A.
(22) 21.04.2011	(33) United States of America	DUGGAL, Suchia
(54) APPARATUS FOR MIXING AND	(51) B01F 11/00	VUDDAGIRI, Srinivas
DISPENSING MULTIPLE FLOWABLE	B01L 3/00	CIZERON, Joel
COMPONENTS	C12M 1/00	MCCORMICK, Jarod
(73) IPS Adhesives LLC	C12M 1/32	PATEL, Bipinkumar
(72) TURNER, Douglas C.	C12M 1/34	LAKHAPATRI, Satish
(31) 328742 P	C12M 1/42	(31) 201562134508 P
(32) 28.04.2010	C12M 3/06	201562141177 P
(33) United States of America	(11) EP3365107	201562152706 P
(51) B01F 7/16	(21) EP16787549.1	201514789953
B01F 13/10	(47) 07.10.2020	201562190182 P
B01F 15/00	(87) GB2016053310	201562195237 P
B01F 15/02	27.04.2017	201662300287 P
F04B 15/02	(22) 21.10.2016	(32) 17.03.2015
F04B 17/03	(54) CELL CULTURE	31.03.2015
(11) EP2972636	(73) Fibrofind Ltd	24.04.2015
(21) EP14710538.1	(72) OAKLEY, Fiona	01.07.2015
(47) 07.10.2020	BORTHWICK, Lee	08.07.2015
(87) EP2014055015	GRIFFITHS, Clive	21.07.2015
18.09.2014	DRINNAN, Michael	26.02.2016
(22) 13.03.2014	(31) 201518767	(33) United States of America
(54) APPARATUS AND METHOD	(32) 22.10.2015	United States of America
FOR PROCESSING COATING	(33) United Kingdom	United States of America
COMPOSITIONS	(51) B01J 2/04	United States of America
(73) Fast & Fluid Management B.V.	B05D 5/00	United States of America
(72) POST, Johannes Hermanus Nicolaas	C09D 9/00	United States of America
(31) 201313833961	(11) EP3206780	United States of America
(32) 15.03.2013	(21) EP15790850.0	United States of America
	(47) 07.10.2020	(51) B01J 8/02
		B01J 8/06

B01J 19/24	(72) CHANG, Jong-San	C09C 3/12
C10G 2/00	LEE, U-Hwang	C12H 1/044
F28D 7/00	HWANG, Young Kyu	(11) EP3186209
F28D 7/16	HWANG, Dong Won	(21) EP15835183.3
F28D 15/00	SEO, You-Kyong	(47) 07.10.2020
F28D 15/02	LEE, Ji Sun	(87) US2015044696
(11) EP3223937	Yoon, Ji Woong	03.03.2016
(21) EP15864055.7	SHIM, Kyu Eun	(22) 11.08.2015
(47) 07.10.2020	(31) 20110081272	(54) METHODS OF MAKING HIGHLY
(87) IB2015059069	(32) 16.08.2011	PURIFIED DIATOMACEOUS EARTH
02.06.2016	(33) Korea (Republic)	WITH WIDE RANGE OF FILTRATION
(22) 24.11.2015	(51) B01J 19/18	RATES
(54) A FIXED BED REACTOR	B01J 19/24	(73) Imerys Filtration Minerals, Inc.
(73) Unisa	C08F 2/14	(72) LU, Jie
(72) GLASSER, David	C08F 10/00	(31) 201462043614 P
LU, Xiaojun	C08F 210/16	(32) 29.08.2014
HILDEBRANDT, Diane	(11) EP2021124	(33) United States of America
(31) 201408600	(21) EP07732883.9	(51) B01J 21/04
(32) 24.11.2014	(47) 07.10.2020	(11) EP2012916
(33) South Africa	(87) GB2007001862	(21) EP07775653.4
(51) B01J 19/00	06.12.2007	(47) 07.10.2020
B01L 3/00	(22) 18.05.2007	(87) US2007009446
(11) EP2699340	(54) LOOP TYPE REACTOR FOR	01.11.2007
(21) EP12724354.1	POLYMERIZATION	(22) 17.04.2007
(47) 07.10.2020	(73) INEOS Manufacturing Belgium NV	(54) A PROCESS FOR PRODUCING AN
(87) GB2012000378	(72) LEE, Stephen, Kevin	ALKYLENE OXIDE CATALYST
26.10.2012	MARISSAL, Daniel	(73) Dow Global Technologies LLC
(22) 18.04.2012	WALWORTH, Brent, R.	(72) NATAL, Manuel A.W.
(54) APPARATUS AND METHODS FOR	(31) 06252746	BHASIN, Madan M.
FLUID PROCESSING AND FLOW	06252748	SOO, Hwaiii
CONTROL	06252747	LIU, Albert C.
(73) Biotechflow Ltd	(32) 26.05.2006	(31) 792712 P
(72) HOFMANN, Martin John	26.05.2006	(32) 18.04.2006
(31) 201106556	26.05.2006	(33) United States of America
201111119	(33) European Patent Office (EPO)	(51) B01J 21/04
201115458	European Patent Office (EPO)	B01J 23/62
(32) 18.04.2011	European Patent Office (EPO)	B01J 23/63
28.06.2011	(51) B01J 20/04	B01J 23/83
02.09.2011	B01J 20/10	B01J 27/185
(33) United Kingdom	B01J 20/28	B01J 37/00
United Kingdom	B09B 1/00	B01J 37/02
United Kingdom	C04B 18/04	C10G 35/09
(51) B01J 19/12	C04B 28/02	(11) EP3325145
B01J 20/00	C04B 111/00	(21) EP16739061.6
B01J 20/22	(11) EP2576092	(47) 07.10.2020
B01J 20/26	(21) EP11761479.2	(87) EP2016065970
B01J 20/28	(47) 07.10.2020	02.02.2017
B01J 20/30	(87) DE2011001125	(22) 06.07.2016
B01J 31/06	15.12.2011	(54) MULTI-METALLIC CATALYST DOPED
C01F 7/00	(22) 20.05.2011	WITH PHOSPHORUS AND CERIUM
C01G 3/00	(54) MIXTURE, USE OF THE MIXTURE	(73) IFP Energies nouvelles
C01G 23/00	AND METHOD FOR BINDING THE	(72) AVENIER, Priscilla
C01G 25/00	RESIDUAL MOISTURE IN THE SALT	DIEHL, Fabrice
C01G 31/00	RESIDUE OF A SALT HEAP	GUEGAN, Carine
C01G 37/00	(73) K+S Minerals and Agriculture GmbH	SANCHEZ, Eric
C01G 49/00	(72) PALM, Albrecht	(31) 1557055
(11) EP2746226	KIND, Hans-Joachim	(32) 24.07.2015
(21) EP12824012.4	WESTPHAL, Martin	(33) France
(47) 07.10.2020	(31) 102010021675	(51) B01J 23/00
(87) KR2012006488	(32) 27.05.2010	B01J 23/887
21.02.2013	(33) Germany	B01J 35/00
(22) 14.08.2012	(51) B01J 20/14	B01J 37/03
(54) METHOD FOR PREPARING	B01J 20/30	C07C 253/26
COMPOSITES COMPRISING	C04B 14/04	(11) EP2550099
CRYSTALLINE HYBRID NANOPOROUS	C04B 14/08	(21) EP11713388.4
MATERIAL POWDERS	C04B 35/14	(47) 07.10.2020
(73) Korea Research Institute of Chemical	C04B 35/626	(87) US2011000509
Technology	C09C 1/28	29.09.2011

(22) 21.03.2011	G01N 35/02	(11) EP2425226
(54) PROCESS FOR PREPARING IMPROVED MIXED METAL OXIDE AMMOXIDATION CATALYSTS	(11) EP3293523	(21) EP09844122.3
(73) INEOS Europe AG	(21) EP16894311.6	(47) 07.10.2020
(72) BESECKER, Charles, J.	(47) 07.10.2020	(87) US2009002564
BRAZDIL, James, F., Jr.	(87) JP2016057991	04.11.2010
TOFT, Mark, A.	21.09.2017	(22) 27.04.2009
SEELY, Michael, J.	(22) 14.03.2016	(54) PIPETTE INSTRUMENT
GUSTAFERRO, Robert, A.	(54) SAMPLE CONTAINER AND AUTOMATIC SAMPLE CONTAINER PROCESSING SYSTEM	(73) El Spectra, LLC
(31) 661716	(73) Kobe Bio Robotix Co. Ltd.	(72) AYLIFFE, Harold, E.
(32) 23.03.2010	(72) UEYAMA Yukio	KING, Curtis, S.
(33) United States of America	(51) B01L 3/00	MCGUINNIS, Michael, E.
(51) B01J 41/00	B65B 7/28	(51) B01L 7/00
H01M 8/18	B65D 41/04	C12Q 1/6844
H01M 8/1044	B65D 41/06	C12Q 1/6848
H01M 8/1058	(11) EP2921232	(11) EP3478853
B01J 41/08	(21) EP15159958.6	(21) EP17736737.2
B01J 47/12	(47) 07.10.2020	(47) 07.10.2020
(11) EP2590250	(22) 19.03.2015	(87) GB2017051927
(21) EP12181563.3	(54) CONTAINER AND CONTAINER ENGAGING MEMBER SUITABLE FOR VACUUM ASSISTED FILTRATION	04.01.2018
(47) 07.10.2020	(73) EMD Millipore Corporation	(22) 30.06.2017
(22) 23.08.2012	(72) Scott, Chris	(54) IMPROVEMENTS IN OR RELATING TO NUCLEIC ACID AMPLIFICATION PROCESSES
(54) ION EXCHANGE MEMBRANE AND REDOX FLOW CELL COMPRISING SAID ION EXCHANGE MEMBRANE	Greenizen, Kurt	(73) LUMIRADX UK LTD
(73) Samsung Electronics Co., Ltd.	Sydrowski, Paul	(72) PROVINS, Jarrod
(72) Lee, Myung-jin	Doyle, Jay	SHEN, Daiwei
Park, Joung-won	(31) 201461968532 P	KRAYNACK, Bryan
Mun, Jun-young	201514641843	(31) 201611469
Oh, Duk-jin	(32) 21.03.2014	(32) 30.06.2016
(31) 20110114123	09.03.2015	(33) United Kingdom
(32) 03.11.2011	(33) United States of America	(51) B01L 9/00
(33) Korea (Republic)	United States of America	C23C 14/04
(51) B01L 3/00	(51) B01L 3/00	H01L 21/67
(11) EP3484623	G01N 1/28	(11) EP2862200
(21) EP17831560.2	G01N 1/38	(21) EP13725976.8
(47) 07.10.2020	G01N 35/00	(47) 07.10.2020
(87) US2017040909	B01L 99/00	(87) EP2013061166
25.01.2018	(11) EP2972190	19.12.2013
(22) 06.07.2017	(21) EP14770330.0	(22) 30.05.2013
(54) LIQUID ANALYTICAL REAGENT DISPENSING APPARATUS AND ANALYTICAL KITS AND METHODS OF USE RELATED THERETO	(47) 07.10.2020	(54) TRANSPORT AND HANDING-OVER ARRANGEMENT FOR DISC-SHAPED SUBSTRATES, VACUUM TREATMENT INSTALLATION AND METHOD FOR MANUFACTURE OF TREATED SUBSTRATES
(73) Siemens Healthcare Diagnostics Inc.	(87) US2014025254	(73) Evatec AG
(72) LEDDEN, David	25.09.2014	(72) VOSER, Stephan
(31) 201662363567 P	(22) 13.03.2014	GAECHTER, Bruno
(32) 18.07.2016	(54) ANALYSIS DEVICE	MATTEACCI, Pierre
(33) United States of America	(73) Bell, Michael L.	(31) 832122012
(51) B01L 3/00	(72) Bell, Michael L.	201261659545 P
B01L 3/14	(31) 201361786741 P	(32) 14.06.2012
G01N 1/00	(32) 15.03.2013	14.06.2012
G01N 1/10	(33) United States of America	(33) Switzerland
G01N 35/02	(51) B01L 3/00	United States of America
(11) EP3531135	G01N 21/64	(51) B02C 4/02
(21) EP16903369.3	C12Q 1/682	B02C 4/06
(47) 07.10.2020	(11) EP3498865	B02C 4/28
(87) JP2016087791	(21) EP17207476.7	B02C 4/32
28.06.2018	(47) 07.10.2020	B02C 4/38
(22) 19.12.2016	(22) 14.12.2017	G05G 1/10
(54) SAMPLE CONTAINER	(54) SINGLE MOLECULE DETECTION OR QUANTIFICATION BY MEANS OF DNA NANOTECHNOLOGY IN MICRO-WELLS	G05G 1/015
(73) Kobe Bio Robotix Co., Ltd.	(73) Ludwig-Maximilians-Universität München	(11) EP3597301
(72) UEYAMA Yukio	(72) Grabmayr, Heinrich Ernst Paul	(21) EP19184071.9
(51) B01L 3/00	Wöhrstein, Johannes Benedikt	(47) 07.10.2020
B01L 3/14	(51) B01L 3/02	(22) 28.05.2018
G01N 1/00	G01N 1/14	(54) MILLING DEVICE
G01N 35/00	G01N 15/12	(73) Bühler AG

(72) Holenstein, Phillipe Studerus, Lukas Rickenbach, Daniel Mark, Daniel Weber, Heribert	C23C 4/12 C23C 4/123 C23C 4/14 B05B 15/25 (11) EP3369839	(54) APPARATUS, SYSTEM AND METHOD FOR PERFORMING AUTOMATED FINISHING OPERATIONS ON A WORKPIECE
(51) B02C 4/12 B02C 4/30	(21) EP16860078.1 (47) 07.10.2020	(73) The Boeing Company (72) MORIARTY, Bennett M. CROTHERS, Phillip John ARTHUR, Shane E SMITH, Brian W.
(11) EP2877285 (21) EP13808825.7 (47) 07.10.2020	(87) KR2016009087 04.05.2017	(31) 201615347485
(87) SE2013050716 03.01.2014	(22) 18.08.2016	(32) 09.11.2016
(22) 18.06.2013	(54) PARTICLE GENERATING APPARATUS AND COATING SYSTEM INCLUDING SAME	(33) United States of America
(54) DEVICE FOR DISSOLVING COMPRESSED BLOCKS OF INSULATION, A LOOSE FILL INSULATION APPARATUS AND A METHOD FOR DISSOLVING COMPRESSED BLOCKS OF INSULATION	(73) Posco (72) KIM, Jung-Kuk (31) 20150151145 (32) 29.10.2015 (33) Korea (Republic)	(51) B05B 13/04 B05C 5/02 (11) EP2714278 (21) EP12790199.9 (47) 07.10.2020 (87) US2012038250 29.11.2012
(73) Cellulose Insulation Production Scandinavia CPS AB	(51) B05B 1/16 B05B 1/18 B05B 15/65 (11) EP3388153 (21) EP18166860.9 (47) 07.10.2020	(22) 17.05.2012 (54) MACHINE, AND SPRAY ASSEMBLY AND OSCILLATING SPRAY HEAD THEREFOR
(72) BYNÉLIUS, Jan-Olof (31) 1250722 1350378	(22) 11.04.2018	(73) Stolle Machinery Company, LLC (72) STAMMEN, Dennis C. (31) 201113114506 (32) 24.05.2011 (33) United States of America
(32) 28.06.2012 25.03.2013	(54) A SHOWER HEAD ASSEMBLY (73) Galvin Engineering Pty Ltd (72) BETTANI, Brian PRADZYNSKI, Konrad	(51) B05B 13/04 B41J 3/407 (11) EP3332979 (21) EP18151709.5 (47) 07.10.2020 (22) 16.10.2009
(33) Sweden Sweden	(31) 2017901355 (32) 12.04.2017 (33) Australia	(22) 16.10.2009 (54) COATING DEVICE AND ASSOCIATED COATING METHOD (73) Dürr Systems AG (72) Herre, Frank Fritz, Hans-Georg Wesselky, Steffen (31) 102008053178 (32) 24.10.2008 (33) Germany
(51) B03D 1/02 B03D 1/14 B03D 1/20 B03D 1/24 F16M 3/00	(51) B05B 7/00 B65G 53/00 (11) EP3495292 (21) EP19153928.7 (47) 07.10.2020 (22) 14.05.2015	(54) COATING DEVICE AND ASSOCIATED COATING METHOD (73) Dürr Systems AG (72) Herre, Frank Fritz, Hans-Georg Wesselky, Steffen (31) 102008053178 (32) 24.10.2008 (33) Germany
(11) EP3295071 (21) EP15891730.2 (47) 07.10.2020	(54) DENSE PHASE PUMP DIAGNOSTICS (73) Nordson Corporation (72) BEUK, Edwin Jeeroen FULKERSON, Terence M PERKINS, Jeffrey A	(51) B05B 17/08 F21S 6/00 F21V 19/00 F21V 33/00 F21V 23/00 F21Y 115/10 (11) EP3376091 (21) EP15908203.1 (47) 07.10.2020 (87) CN2015099198 18.05.2017
(87) FI2015050325 17.11.2016	(22) 14.05.2015	(22) 28.12.2015
(22) 13.05.2015	(72) BEUK, Edwin Jeeroen FULKERSON, Terence M PERKINS, Jeffrey A	(54) ELECTRONIC CANDLE WITH FOUNTAIN (73) Nantong Ya Tai Candle Arts&crafts Co., Ltd. (72) DING, Yingqi (31) 201510781540 (32) 13.11.2015 (33) China
(54) A DRIVE MODULE AND ITS USES IN A FLOTATION PLANT	(31) 201461993672 P (32) 15.05.2014 (33) United States of America	(51) B05B 1/04 B05B 7/16 B05B 9/00 B05B 13/02 C23C 14/26 C23C 14/56 C23C 4/00 C23C 4/06 C23C 4/08
(73) Outotec (Finland) Oy (72) TÄHKIÖ, Pekka VAARNA, Valtteri LUUKKONEN, Matti	(31) 201461993672 P (32) 15.05.2014 (33) United States of America	(51) B05B 13/00 B64F 5/10 (11) EP3321188 (21) EP17185870.7 (47) 07.10.2020 (22) 11.08.2017
(51) B04B 1/08 B04B 11/02 B04B 11/08	(51) B05B 7/06 H01J 49/04 (11) EP3334537 (21) EP16717136.2 (47) 07.10.2020	(87) EP2016058451 16.02.2017
(11) EP2392405 (21) EP11166858.8 (47) 07.10.2020	(87) EP2016058451 16.02.2017	(87) CN2015099198 18.05.2017
(22) 20.05.2011	(22) 15.04.2016	(22) 28.12.2015
(54) Separator	(54) METHOD FOR COATING SAMPLES (73) SunChrom Wissenschaftliche Geräte GmbH	(54) ELECTRONIC CANDLE WITH FOUNTAIN (73) Nantong Ya Tai Candle Arts&crafts Co., Ltd. (72) DING, Yingqi (31) 201510781540 (32) 13.11.2015 (33) China
(73) GEA Mechanical Equipment GmbH (72) PENKL, Andreas (31) 202010005476 U (32) 21.05.2010 (33) Germany	(72) BARKA, Günes (31) 102015113170 (32) 10.08.2015 (33) Germany	(51) B05C 1/08 B29B 15/12 B29C 70/06 C08J 5/24 D06B 3/10
(51) B05B 1/04 B05B 7/16 B05B 9/00 B05B 13/02 C23C 14/26 C23C 14/56 C23C 4/00 C23C 4/06 C23C 4/08	(51) B05B 13/00 B64F 5/10 (11) EP3321188 (21) EP17185870.7 (47) 07.10.2020 (22) 11.08.2017	(51) B05C 1/08 B29B 15/12 B29C 70/06 C08J 5/24 D06B 3/10

D06B 21/02	(33) Germany	Germany
(11) EP3504051	Germany	(51) B07C 5/34
(21) EP17748498.7	(51) B06B 1/04	B29B 17/02
(47) 07.10.2020	E21B 43/17	B29B 17/04
(87) EP2017069829	E21B 43/26	B29K 23/00
01.03.2018	G01D 11/00	B29L 7/00
(22) 04.08.2017	G01D 11/30	G01N 21/31
(54) DEVICE AND METHOD FOR	G01D 21/00	G01N 21/95
IMPREGNATING OF FIBROUS	G01F 1/84	G01N 33/44
STRUCTURES	G01F 15/02	G01N 21/3563
(73) BASF SE	G01K 7/16	(11) EP3562640
(72) MEYER, Andre	G01N 9/00	(21) EP18700442.9
HASENPATT, Michael	G01N 11/00	(47) 07.10.2020
(31) 16185545	(11) EP3215812	(87) NL2018050001
(32) 24.08.2016	(21) EP15876115.5	05.07.2018
(33) European Patent Office (EPO)	(47) 07.10.2020	(22) 01.01.2018
(51) B05C 17/005	(87) US2015067710	(54) PROCESS AND SYSTEM FOR
(11) EP2747898	07.07.2016	RECYCLING POLYOLEFIN WASTE
(21) EP12744010.5	(22) 28.12.2015	(73) Blue Plastics B.V.
(47) 07.10.2020	(54) FLUID PARAMETER SENSOR AND	(72) FRANSEN, Roel Johannes Henricus
(87) EP2012065688	METER	Arnoldus
28.02.2013	(73) Concentric Meter Corporation	NOVOSELTSEVA, Tatiana Vladimirovna
(22) 10.08.2012	(72) CAGE, Donald R.	(31) 2018102
(54) SYSTEM COMPOSED OF	SCHOTT, Michael N.	(32) 30.12.2016
CARTRIDGES AND MIXERS	SCHARTAU, Kristian S.	(33) Netherlands
(73) 3lmed GmbH	(31) 201462097209 P	(51) B08B 3/02
(72) BUBLEWITZ, Alexander	(32) 29.12.2014	F25D 31/00
REBER, Jens-Peter	(33) United States of America	(11) EP3259542
(31) 102011111046	(51) B06B 1/06	(21) EP16708613.1
PCT/EP2011/068784	B06B 3/02	(47) 07.10.2020
102012106094	G02B 27/00	(87) EP2016053357
(32) 24.08.2011	G03B 15/00	25.08.2016
26.10.2011	G03B 17/02	(22) 17.02.2016
06.07.2012	G03B 17/08	(54) COOLING APPARATUS FOR
(33) Germany	G03B 17/56	REDUCING THE TEMPERATURE
World Intellectual Property Office (WIPO)	H04N 5/225	OF COOKED WARM FOOD IN A
Germany	(11) EP3276940	CONTAINER IN PARTICULAR IN A
(51) B05D 1/00	(21) EP16832661.9	STANDARISED CONTAINER
B32B 5/00	(47) 07.10.2020	(73) Berief, Theodor W.
B32B 29/00	(87) JP2016069399	(72) Berief, Theodor W.
B32B 33/00	09.02.2017	(31) 202015100832 U
B44C 5/04	(22) 30.06.2016	(32) 20.02.2015
E04F 15/10	(54) VIBRATING DEVICE AND CAMERA	(33) Germany
(11) EP3616913	(73) Murata Manufacturing Co., Ltd.	(51) B08B 9/055
(21) EP18191532.3	(72) FUJIMOTO, Katsumi	E21B 37/06
(47) 07.10.2020	IKEUCHI, Shinsuke	E21B 41/00
(22) 29.08.2018	NISHIYAMA, Kenji	F16L 55/46
(54) WATERPROOF FLOOR	NOMURA, Masanobu	F17D 3/03
(73) Flooring Technologies Ltd.	(31) 2015154022	(11) EP2891762
(72) BRAUN, Roger	(32) 04.08.2015	(21) EP14198017.7
(51) B06B 1/00	(33) Japan	(47) 07.10.2020
G01F 1/66	(51) B07B 1/18	(22) 15.12.2014
G01H 3/00	(11) EP3036050	(54) Multiple chemical supply line
G01H 5/00	(21) EP14755774.8	(73) GE Oil & Gas UK Limited
G10K 11/00	(47) 07.10.2020	(72) August, Charles Anthony
(11) EP3421945	(87) EP2014002258	Dalziel, Robert
(21) EP18000499.6	26.02.2015	(31) 201322379
(47) 07.10.2020	(22) 14.08.2014	(32) 18.12.2013
(22) 06.06.2018	(54) PROFILED BAR AND SCREENING	(33) United Kingdom
(54) METHOD AND DEVICE FOR	APPARATUS HAVING PROFILED BARS	(51) B09B 3/00
DETECTING A FLUID QUANTITY	(73) Andritz Fiedler GmbH	B29B 17/02
(73) Diehl Metering GmbH	(72) MICKELAT, Thomas	B29B 17/04
(72) Mayle, Michael	REINSTEIN, Michael	(11) EP2683498
Ploß, Peter	(31) 102013013907	(21) EP12706591.0
(31) 102017006505	102014011679	(47) 07.10.2020
102017008776	(32) 20.08.2013	(87) EP2012053467
(32) 29.06.2017	05.08.2014	13.09.2012
19.09.2017	(33) Germany	(22) 29.02.2012

(54) METHOD AND INSTALLATION FOR PROCESSING MATERIALS FROM DISPOSED COOLING EQUIPMENT	(51) B21B 25/00 C21D 9/00 C22C 38/00	C21D 1/673 (11) EP2993241 (21) EP15181420.9 (47) 07.10.2020 (22) 18.08.2015
(73) RBP Beheer B.V.	C22C 38/04	(47) 07.10.2020
(72) NIENOORD, Michiel CRAMERS, Peter Hendrikus Mechtildis DE BODE, Rogier Falco	C22C 38/54 (11) EP3354361 (21) EP16848420.2 (47) 07.10.2020 (87) JP2016073706	(22) 18.08.2015 (54) METHOD AND PRESS FOR MANUFACTURING CURED SHEET METAL COMPONENTS, IN SECTIONS AT LEAST (73) Benteler Automobiltechnik GmbH (72) Frost, Dipl.-Ing. (FH) Georg (31) 102014112244 (32) 26.08.2014 (33) Germany
(31) 11157275 (32) 08.03.2011 (33) European Patent Office (EPO)	30.03.2017 (22) 12.08.2016	(51) B21D 39/03 (11) EP3527299 (21) EP19152135.0 (47) 07.10.2020 (22) 16.01.2019 (54) MATRIX FOR A JOINING TOOL (73) Eckold GmbH & Co. KG (72) UNGER, Florian (31) 102018103309 (32) 14.02.2018 (33) Germany
(51) B09B 3/00 F27B 7/20 F27B 7/34 F27B 7/36 F27D 17/00 F27D 99/00	(54) PIERCER PLUG AND MANUFACTURING METHOD THEREFOR (73) Nippon Steel Corporation (72) HIDAKA, Yasuyoshi HIGASHIDA, Yasuto YAMANARI, Yuichi YAMAMOTO, Yuji MIYAI, Tatsuya	(32) 26.08.2014 (33) Germany (51) B21D 39/03 (11) EP3527299 (21) EP19152135.0 (47) 07.10.2020 (22) 16.01.2019 (54) MATRIX FOR A JOINING TOOL (73) Eckold GmbH & Co. KG (72) UNGER, Florian (31) 102018103309 (32) 14.02.2018 (33) Germany
(11) EP3513885 (21) EP18208147.1 (47) 07.10.2020 (22) 17.06.2013	(31) 2015188403 2015198103 2016147027	(51) B21J 1/06 B23P 15/14 F16H 25/24 (11) EP3511088 (21) EP18151775.6 (47) 07.10.2020 (22) 16.01.2018 (54) ELEVATING SCREW (73) SFS Intec Holding AG (72) PENZ, Björn HUTTER, Pascal ZACH, Marijo REINHARD, Patrick
(54) FACILITY AND PROCEDURE FOR TREATMENT OF A SOLIDIFICATE	(32) 25.09.2015 06.10.2015 27.07.2016	(51) B21J 1/06 B23P 15/14 F16H 25/24 (11) EP3511088 (21) EP18151775.6 (47) 07.10.2020 (22) 16.01.2018 (54) ELEVATING SCREW (73) SFS Intec Holding AG (72) PENZ, Björn HUTTER, Pascal ZACH, Marijo REINHARD, Patrick
(73) ECOGLOBAL SERVICES Limited	(33) Japan Japan Japan	(51) B21J 1/06 B23P 15/14 F16H 25/24 (11) EP3511088 (21) EP18151775.6 (47) 07.10.2020 (22) 16.01.2018 (54) ELEVATING SCREW (73) SFS Intec Holding AG (72) PENZ, Björn HUTTER, Pascal ZACH, Marijo REINHARD, Patrick
(72) SPANOVIC, Milli (31) 20130502 (32) 07.06.2013 (33) Croatia	(33) Japan Japan Japan	(51) B21J 1/06 B23P 15/14 F16H 25/24 (11) EP3511088 (21) EP18151775.6 (47) 07.10.2020 (22) 16.01.2018 (54) ELEVATING SCREW (73) SFS Intec Holding AG (72) PENZ, Björn HUTTER, Pascal ZACH, Marijo REINHARD, Patrick
(51) B21B 1/08 B21C 37/15 B21K 23/04 B62D 21/02 B62D 29/00	(51) B21D 5/04 B21D 43/11 (11) EP3528976 (21) EP17811826.1 (47) 07.10.2020 (87) AT2017060270 26.04.2018 (22) 18.10.2017	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany
(11) EP3658306 (21) EP19768762.7 (47) 07.10.2020 (87) EP2019074073 26.03.2020 (22) 10.09.2019	(54) PRODUCTION INSTALLATION HAVING A MANIPULATION DEVICE (73) TRUMPF Maschinen Austria GmbH & Co. KG. (72) DAL CERRO, Roberto DAL LAGO, Matteo SPEZIALI, Stefano	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany
(54) LONGITUDINAL BEAM FOR A ROAD VEHICLE	(31) 509572016 (32) 20.10.2016 (33) Austria	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany
(73) HÖRMANN AUTOMOTIVE GMBH Hörmann Automotive Gustavsborg GmbH	(51) B21D 5/08 B60R 19/18 (11) EP3541665 (21) EP17804305.5 (47) 07.10.2020 (87) IB2017057172 24.05.2018 (22) 16.11.2017	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany
(72) DUSCHKA, Alexander HUSE, Philipp SCHMITT, Wolfram	(54) BUMPER BEAM HAVING AN 8 SHAPED CROSS-SECTION (73) ArcelorMittal (72) HERRISSON, Damien LAM, Jimmy HASENPOUTH, Dan GIBEAU, Elie VIAUX, Ivan	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany
(31) 102018122857 (32) 18.09.2018 (33) Germany	(31) 509572016 (32) 20.10.2016 (33) Austria	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany
(51) B21B 5/00 B21B 27/10 B21H 1/06	(51) B21D 5/08 B60R 19/18 (11) EP3541665 (21) EP17804305.5 (47) 07.10.2020 (87) IB2017057172 24.05.2018 (22) 16.11.2017	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany
(11) EP3385006 (21) EP16870801.4 (47) 07.10.2020 (87) JP2016085825 08.06.2017 (22) 01.12.2016	(54) BUMPER BEAM HAVING AN 8 SHAPED CROSS-SECTION (73) ArcelorMittal (72) HERRISSON, Damien LAM, Jimmy HASENPOUTH, Dan GIBEAU, Elie VIAUX, Ivan	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany
(54) METHOD FOR MANUFACTURING RING-ROLLED PRODUCT	(31) PCT/IB2016/056963 (32) 18.11.2016 (33) World Intellectual Property Office (WIPO)	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany
(73) Hitachi Metals, Ltd. (72) MURAI, Takuya MATSUI, Takanori ISHIWARI, Yuji KIWAKE, Tomoyoshi	(31) PCT/IB2016/056963 (32) 18.11.2016 (33) World Intellectual Property Office (WIPO)	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany
(31) 2015236714 (32) 03.12.2015 (33) Japan	(51) B21D 22/02 B21D 22/20	(51) B21J 15/02 B21J 15/04 B21J 15/10 B21J 15/28 B21J 15/38 (11) EP3292922 (21) EP17187978.6 (47) 07.10.2020 (22) 25.08.2017 (54) ADAPTER FOR A RIVETING TOOL (73) TKR Spezialwerkzeuge GmbH (72) KREISCHER, Torsten (31) 102016116879 (32) 08.09.2016 (33) Germany

(33) Germany	(33) Germany	F01D 5/18
(51) B22C 9/06	(51) B22F 1/00	B33Y 80/00
B22D 17/14	C03C 17/00	(11) EP3315228
(11) EP3470148	C23F 11/02	(21) EP17198141.8
(21) EP18178939.7	C30B 29/02	(47) 07.10.2020
(47) 07.10.2020	C30B 29/60	(22) 24.10.2017
(22) 21.06.2018	C30B 33/00	(54) ADDITIVELY MANUFACTURED COMPONENT FOR A GAS POWERED TURBINE
(54) DEVICE FOR THE MANUFACTURE OF CAST PARTS MADE OF METAL	G02B 5/02	(73) United Technologies Corporation
(73) Raskopf GmbH Sauerländer Werkzeugfabrik	G02F 1/1343	(72) UCASZ, Mark T.
(72) Tenbusch, Achim	H01B 1/22	(31) 201615336132
Ekruitt, Kai- Uwe	H01L 21/768	(32) 27.10.2016
(31) 102017123470	H01L 31/0224	(33) United States of America
(32) 10.10.2017	C09D 11/00	(51) B22F 3/105
(33) Germany	C09D 11/52	B22F 5/00
(51) B22C 9/10	(11) EP3473681	F01D 11/12
B22C 9/24	(21) EP18207681.0	(11) EP3284916
F01D 5/18	(47) 07.10.2020	(21) EP17184862.5
G01B 17/02	(22) 14.08.2006	(47) 07.10.2020
(11) EP3184195	(54) NANOWIRES-BASED TRANSPARENT CONDUCTORS	(22) 04.08.2017
(21) EP16203126.4	(73) Cambrios Film Solutions Corporation	(54) A COMPONENT FOR A GAS TURBINE ENGINE AND METHOD OF MANUFACTURE
(47) 07.10.2020	(72) Alden, Jonathan	(73) Rolls-Royce plc
(22) 09.12.2016	Dai, Haixia	(72) Mason-Flucke, Julian
(54) CENTER PLENUM SUPPORT FOR A MULTIWALL TURBINE AIRFOIL CASTING	Knapp, Michael R.	Jones, Simon
(73) General Electric Company	Na, Shuo	(31) 201614070
(72) FOSTER, Gregory Thomas	Pakbaz, Hash	(32) 17.08.2016
WEBER, David Wayne	Pschenitzka, Florian	(33) United Kingdom
IDUATE, Michelle Jessica	Quan, Xina	(51) B22F 3/105
LEARY, Brendon James	Spaid, Michael A.	B29C 64/153
WEBER, Joseph Antony	Winoto, Adrian	B29C 64/40
(31) 201514977028	Wolk, Jeffrey	(11) EP2581155
(32) 21.12.2015	(31) 70767505 P	(21) EP11792525.5
(33) United States of America	79602706 P	(47) 07.10.2020
(51) B22C 9/10	79887806 P	(87) JP2011063269
B22D 19/00	(32) 12.08.2005	15.12.2011
B22D 25/00	28.04.2006	(22) 09.06.2011
(11) EP3233334	08.05.2006	(54) METHOD FOR PRODUCING THREE-DIMENSIONALLY SHAPED STRUCTURE, THREE-DIMENSIONALLY SHAPED STRUCTURE OBTAINED BY SAME, AND METHOD FOR PRODUCING MOLDED ARTICLE
(21) EP15871037.6	(33) United States of America	(73) Panasonic Corporation
(47) 07.10.2020	United States of America	(72) ABE, Satoshi
(87) US2015066253	United States of America	UCHINONO, Yoshiyuki
23.06.2016	(51) B22F 3/00	FUWA, Isao
(22) 17.12.2015	C22C 33/02	YOSHIDA, Norio
(54) STEEL FOAM AND METHOD FOR MANUFACTURING STEEL FOAM	C22C 38/00	MORIMOTO, Kazuho
(73) Roshan, Hathibelagal, M.	H01F 1/14	(31) 2010132213
Maynard Steel Casting Company	H01F 1/26	(32) 09.06.2010
(72) ROSHAN, Hathibelagal, M.	H01F 41/02	(33) Japan
(31) 201414576367	(11) EP3118868	(51) B22F 3/16
201562121620 P	(21) EP15760682.3	B22F 5/00
(32) 19.12.2014	(47) 07.10.2020	B22F 7/00
27.02.2015	(87) JP2015057309	B23K 101/18
(33) United States of America	17.09.2015	B23K 103/00
United States of America	(22) 12.03.2015	B23K 103/04
(51) B22D 11/055	(54) POWDER MAGNETIC CORE MANUFACTURING METHOD	B23K 103/08
(11) EP3461570	(73) Hitachi Metals, Ltd.	B23K 103/10
(21) EP18190667.8	(72) NISHIMURA, Kazunori	B23K 103/12
(47) 07.10.2020	NOGUCHI, Shin	B32B 3/28
(22) 24.08.2018	MIHARA, Toshio	B32B 3/30
(54) CONTINUOUS CASTING MOULD	(31) 2014050032	B32B 5/18
(73) SMS Group GmbH	2014144884	B32B 5/08
(72) Hoffmeister, Jörn	(32) 13.03.2014	
Deussen, Josef	15.07.2014	
Lamberti, Thomas	(33) Japan	
(31) 102017217263	Japan	
(32) 28.09.2017	(51) B22F 3/105	
	B22F 5/00	
	B22F 5/04	
	F01D 5/08	

B32B 5/32	(47) 07.10.2020	(33) Germany
B32B 15/01	(87) JP2012052734	(51) B23C 5/10
C22C 1/08	07.09.2012	B23C 5/20
F01D 25/00	(22) 07.02.2012	(11) EP2741883
B23K 26/36	(54) GUIDE PAD AND CUTTING TOOL	(21) EP12746161.4
B23K 26/40	(73) Tungaloy Corporation	(47) 07.10.2020
B23K 26/402	(72) NISIKAWA, Koji	(87) US2012046871
(11) EP3231601	(31) 2011041847	14.02.2013
(21) EP17166366.9	(32) 28.02.2011	(22) 16.07.2012
(47) 07.10.2020	(33) Japan	(54) CUTTING INSERT AND CUTTING
(22) 12.04.2017	(51) B23C 3/06	TOOL HAVING SINUSOIDAL AND
(54) LIGHT WEIGHT HOUSING FOR FLUID	B23C 5/08	HELICAL CUTTING EDGES
CONDUIT AND METHOD OF MAKING	B23C 5/22	(73) KENNAMETAL INC.
(73) United Technologies Corporation	(11) EP3335821	(72) FANG, X. Daniel
(72) ROBERGE, Gary D.	(21) EP16204058.8	PALMER, Frederick John
(31) 201615096664	(47) 07.10.2020	DUFOUR, Jean-Luc
(32) 12.04.2016	(22) 14.12.2016	WILLS, David J.
(33) United States of America	(54) INTERNAL MILLING CUTTER	(31) 201113206558
(51) B22F 9/08	(73) Sandvik Intellectual Property AB	(32) 10.08.2011
B65G 53/14	(72) KNECHT, Stefan	(33) United States of America
B65G 53/30	LOHR, Rudolf	(51) B23C 5/10
B65G 53/42	(51) B23C 3/30	B23C 5/20
(11) EP2297011	B27F 1/02	(11) EP2802433
(21) EP09770482.9	B27F 1/04	(21) EP12823266.7
(47) 07.10.2020	B27M 3/18	(47) 07.10.2020
(87) SE2009050765	F16B 5/00	(87) IL2012050524
30.12.2009	F16B 12/10	18.07.2013
(22) 18.06.2009	F16B 12/26	(22) 13.12.2012
(54) METHOD AND DEVICE FOR OUTPUT	(11) EP3414462	(54) CUTTING INSERT HAVING HOLE
OF GRANULATE FROM THE BOTTOM	(21) EP17750523.7	ORIENTATION INDICIA AND METHOD
OF A TANK THAT IN ADDITION TO	(47) 07.10.2020	FOR MAKING THEREOF
GRANULATE HOLDS LIQUID	(87) SE2017050124	(73) Iscar Ltd.
(73) Uvån Holding AB	17.08.2017	(72) HECHT, Gil
(72) LUNDSTRÖM, Christoffer	(22) 09.02.2017	(31) 201261584428 P
FOLGERÖ, Kåre	(54) ELEMENT AND METHOD FOR	(32) 09.01.2012
(31) 0801491	PROVIDING DISMANTLING GROOVE	(33) United States of America
(32) 24.06.2008	(73) Välinge Innovation AB	(51) B23D 45/04
(33) Sweden	(72) FRIDLUND, Magnus	B23D 47/12
(51) B23B 27/14	(31) 1650159	(11) EP2969332
B23C 5/20	(32) 09.02.2016	(21) EP14771125.3
(11) EP2881201	(33) Sweden	(47) 07.10.2020
(21) EP13196190.6	(51) B23C 5/08	(87) US2014024414
(47) 07.10.2020	B23C 5/28	25.09.2014
(22) 09.12.2013	(11) EP3321018	(22) 12.03.2014
(54) CARVING CUTTER	(21) EP16198018.0	(54) MITER SAW WITH BRUSHLESS DRIVE
(73) Chang, Hsin-Tien	(47) 07.10.2020	MOTOR
(72) Chang, Hsin-Tien	(22) 09.11.2016	(73) Robert Bosch GmbH
(51) B23B 35/00	(54) A DISC MILLING CUTTER AND A KIT	(72) WIKER, Juergen
B23P 15/10	COMPRISING SUCH A DISC MILLING	DAMMERTZ, Ralph
F02F 3/00	CUTTER	KOEGEL, Jan
F16C 33/10	(73) Sandvik Intellectual Property AB	(31) 201361787115 P
F16J 1/08	(72) LEHTO, Ralf	(32) 15.03.2013
F16J 1/16	(51) B23C 5/08	(33) United States of America
(11) EP3287215	B27G 13/08	(51) B23D 45/12
(21) EP17181709.1	B27G 13/10	B23D 59/00
(47) 07.10.2020	(11) EP3403789	B23Q 17/20
(22) 17.07.2017	(21) EP18172879.1	G01B 7/06
(54) METHOD FOR PRODUCING A	(47) 07.10.2020	G01B 21/08
GROOVE STRUCTURE IN AN	(22) 17.05.2018	G01B 21/10
INTERNAL SURFACE OF A PISTON	(54) MILLING CUTTER TOOL WITH A DISC-	(11) EP3223985
(73) Mahle International GmbH	SHAPED BASE BODY	(21) EP15801750.9
(72) MEISER, Johann	(73) Leitz GmbH & Co. KG	(47) 07.10.2020
(31) 102016215404	(72) KISSELBACH, Andreas	(87) EP2015077551
(32) 17.08.2016	BECK, Peter	02.06.2016
(33) Germany	UHL, Ansgar	(22) 24.11.2015
(51) B23B 51/06	MÜLLER, Werner	(54) MEASUREMENT OF MATERIAL
(11) EP2682212	(31) 102017110879	DIMENSIONS
(21) EP12752670.5	(32) 18.05.2017	(73) Rattunde AG

(72) RATTUNDE, Ulrich	B23K 11/02	MUKAI, Yasushi
(31) 102014117255	(11) EP3122509	KAWAMOTO, Atsuhiko
(32) 25.11.2014	(21) EP15708823.8	FUJIWARA, Junji
(33) Germany	(47) 07.10.2020	MATSUOKA, Noriyuki
(51) B23D 59/00	(87) EP2015054920	(31) 2015111047
B25H 1/10	01.10.2015	(32) 01.06.2015
B65B 63/04	(22) 10.03.2015	(33) Japan
B65H 54/58	(54) WELD BETWEEN STEEL CORD	(51) B23K 26/035
(11) EP3609645	ENDS, METHOD AND APPARATUS TO	B23K 26/38
(21) EP18715344.0	IMPLEMENT SUCH WELD	(11) EP3233363
(47) 07.10.2020	(73) NV Bekaert SA	(21) EP15825849.1
(87) US2018022205	(72) GOMMERS, Tom	(47) 07.10.2020
18.10.2018	MALFAIT, Geert	(87) IB2015059732
(22) 13.03.2018	(31) 14161650	23.06.2016
(54) BAND SAW BLADE SPOOLING	(32) 26.03.2014	(22) 17.12.2015
MACHINE AND METHOD OF USING IT	(33) European Patent Office (EPO)	(54) CUTTING SYSTEM
(73) Edge Manufacturing, Inc.	(51) B23K 20/02	(73) Tyco Electronics (Shanghai) Co. Ltd.
(72) CAMPBELL, James P.	G21B 1/13	TE Connectivity Corporation
(31) 201762483650 P	(11) EP3227890	(72) LIU, Yun
(32) 10.04.2017	(21) EP15822961.7	XIN, Liming
(33) United States of America	(47) 07.10.2020	HU, Lvhai
(51) B23K 9/04	(87) FR2015000219	ZHANG, Dandan
B23K 9/133	09.06.2016	LU, Roberto Francisco-Yi
B23K 9/18	(22) 02.12.2015	(31) 201410791172
B23K 25/00	(54) COMPONENT FOR A LARGE	(32) 18.12.2014
(11) EP3448615	STRUCTURE ADAPTED FOR	(33) China
(21) EP17733592.4	A THERMONUCLEAR FUSION	(51) B23K 26/046
(47) 07.10.2020	REACTOR, ASSEMBLY METHOD AND	B23K 26/06
(87) US2017027909	ASSOCIATED REACTOR	B23K 26/38
02.11.2017	(73) Atmosat	(11) EP3437783
(22) 17.04.2017	(72) BUCCI, Philippe	(21) EP16897073.9
(54) CLADDING STRIP FEEDERS	(31) 1402782	(47) 07.10.2020
HAVING ADJUSTABLE STRIP GUIDE	(32) 05.12.2014	(87) JP2016086974
BEARINGS AND STRIP CLADDING	(33) France	05.10.2017
SYSTEMS WITH CLADDING STRIP	(51) B23K 20/12	(22) 13.12.2016
FEEDERS HAVING ADJUSTABLE	B23K 37/08	(54) LASER PROCESSING MACHINE
STRIP GUIDE BEARINGS	B29C 65/06	(73) Amada Holdings Co., Ltd.
(73) Illinois Tool Works, Inc.	(11) EP3487655	(72) ITO Ryohei
(72) BRAMBILLA, Fabrizio Bernardo	(21) EP17742228.4	ISHIGURO Hiroaki
TOMA, Catalin	(47) 07.10.2020	(31) 2016073906
REDAELLI, Domenico	(87) EP2017068222	(32) 01.04.2016
KEULTJES, Petrus Hermanus	25.01.2018	(33) Japan
(31) UA20162983	(22) 19.07.2017	(51) B23K 26/073
201615392518	(54) FSW TOOL WITH FIXED SHOULDER	H01S 3/00
(32) 28.04.2016	(73) KUKA Deutschland GmbH	B23K 26/00
28.12.2016	(72) FRÖHLKE, Stefan	B23K 26/064
(33) Italy	HABERSETZER, Stefan	B23K 26/38
United States of America	RICHTER, Bernd	B23K 26/40
(51) B23K 9/095	(31) 102016113289	(11) EP3388186
(11) EP3177423	(32) 19.07.2016	(21) EP16872936.6
(21) EP15750541.3	(33) Germany	(47) 07.10.2020
(47) 07.10.2020	(51) B23K 26/00	(87) JP2016086083
(87) US2015043370	B23K 26/082	15.06.2017
11.02.2016	B23K 26/21	(22) 05.12.2016
(22) 03.08.2015	B23K 26/244	(54) LASER PROCESSING MACHINE
(54) SYSTEM AND METHOD OF	(11) EP3305459	(73) Amada Holdings Co., Ltd.
MONITORING A WELDING	(21) EP16802765.4	(72) ITOU, Ryohei
ENVIRONMENT	(47) 07.10.2020	ISHIGURO, Hiroaki
(73) Illinois Tool Works Inc.	(87) JP2016002423	(31) 2015239209
(72) BECKER, William Joshua	08.12.2016	(32) 08.12.2015
BEESON, Richard W.	(22) 18.05.2016	(33) Japan
(31) 201462034648 P	(54) LASER WELDING METHOD,	(51) B23K 37/04
201514808858	LASER WELDING CONDITIONS	F16M 11/18
(32) 07.08.2014	DETERMINING METHOD, AND LASER	F16M 11/26
24.07.2015	WELDING SYSTEM	(11) EP3231549
(33) United States of America	(73) Panasonic Intellectual Property	(21) EP15832939.1
United States of America	Management Co., Ltd.	(47) 07.10.2020
(51) B23K 11/00	(72) NAKAGAWA, Tatsuyuki	(87) CN2015086143

03.11.2016	(31) 102010041055	(72) HORN, Arnold
(22) 05.08.2015	202010014139 U	(31) 102010018003
(54) LINEAR FLEXIBLE POSITIONING DEVICE	(32) 20.09.2010	(32) 23.04.2010
(73) Guangzhou Mino Automotive Equipment Co., Ltd	(33) Germany 01.04.2010	(33) Germany
(72) HUANG, Hai	(51) B23Q 3/155	(51) B24B 5/18
YAO, Weibing	B27F 4/00	B24B 5/36
SU, Canhui	(11) EP3424655	B24B 19/26
HUANG, Zhujing	(21) EP18182203.2	B29D 30/06
HE, Qingping	(47) 07.10.2020	(11) EP3178604
ZHOU, Deren	(22) 06.07.2018	(21) EP16186505.0
CHEN, Zhencheng	(54) OPERATING ASSEMBLY FOR THE INSERTION OF CONNECTION PINS INTO WOOD COMPONENTS OR THE LIKE	(47) 07.10.2020
HSU, Chen Jen Reynold	(73) Bre.Ma. Brenna Macchine S.R.L.	(22) 31.08.2016
(31) 201510218331	(72) ALLEVI, Andrea	(54) DEVICE FOR GRINDING THE INSIDES OF THE BEADED AREAS OF VEHICLE TYRES
(32) 30.04.2015	(31) 201700076644	(73) Continental Reifen Deutschland GmbH
(33) China	(32) 07.07.2017	(72) Berger, Markus
(51) B23K 103/00	(33) Italy	Vlcek, Pavel
B65D 5/42	(51) B23Q 3/18	Bremer, Jan
B65D 85/10	B23Q 17/22	Weinhold, Hartmut
B23K 26/364	B23Q 37/00	(31) 102015224404
(11) EP3240736	(11) EP3476533	(32) 07.12.2015
(21) EP15817425.0	(21) EP18210753.2	(33) Germany
(47) 07.10.2020	(47) 07.10.2020	(51) B24C 1/06
(87) EP2015081419	(22) 21.08.2015	B24C 3/06
07.07.2016	(54) SYSTEM AND METHOD FOR MOUNTING AND ALIGNING A MACHINING UNIT TO A MACHINE	B24C 9/00
(22) 30.12.2015	(73) Mikron SA Agno	B24C 11/00
(54) CONTAINER HAVING AN EDGE FOLD PORTION AND BLANK	(72) LAGGER, Luciano	(11) EP2990160
(73) Philip Morris Products S.A.	(73) SAYER, Walter	(21) EP15182441.4
(72) RUDOLF, David	(51) B23Q 11/00	(47) 07.10.2020
TRITZ, Poh Yoke	B23Q 17/24	(22) 26.08.2015
(31) 14200730	B27G 21/00	(54) BLAST TREATMENT DEVICE AND BLAST TREATMENT METHOD
(32) 31.12.2014	B27M 1/08	(73) Subaru Corporation
(33) European Patent Office (EPO)	F16P 3/14	(72) KONDO, Yoshihiko
(51) B23P 15/04	(11) EP3152017	TAKAZAWA, Hirotsugu
F01D 5/14	(21) EP15725550.6	MATSUO, Shinya
F01D 5/18	(47) 07.10.2020	NAKAHATA, Tatsuo
F01D 5/20	(87) EP2015060932	(31) 2014173839
(11) EP3348789	10.12.2015	(32) 28.08.2014
(21) EP18150395.4	(22) 19.05.2015	(33) Japan
(47) 07.10.2020	(54) METHOD FOR OPERATING A PANEL- PROCESSING INSTALLATION, AND PANEL-PROCESSING INSTALLATION	(51) B25B 5/06
(22) 05.01.2018	(73) HOMAG Plattenaufteiltechnik GmbH	F01D 5/00
(54) AIRFOIL WITH DUAL-WALL COOLING FOR A GAS TURBINE ENGINE	(72) ELHAUS, Uwe	(11) EP3222813
(73) Rolls-Royce Corporation	ZIMBAKOV, Darko	(21) EP17160861.5
(72) Rhodes, Jeffrey	MARTYNENKO, Sergey	(47) 07.10.2020
Gillen, Tyler	FRIEBOLIN, Manuel	(22) 14.03.2017
Nash, Christopher	(31) 102014210612	(54) METHODS OF SECURING TOOLS WITHIN A GAS TURBINE ENGINE
Shoemaker, Brian	(32) 04.06.2014	(73) General Electric Company
Barker, Brett	(33) Germany	(72) ROBERTS, Herbert Chidsey
(31) 201762445966 P	(51) B23Q 15/26	DIWINSKY, David Scott
(32) 13.01.2017	B23Q 16/02	(31) 201615077027
(33) United States of America	(11) EP2536530	(32) 22.03.2016
(51) B23Q 3/12	(21) EP11717494.6	(33) United States of America
B23Q 3/18	(47) 07.10.2020	(51) B25B 11/00
(11) EP2552643	(87) EP2011002049	H01L 21/683
(21) EP11714954.2	27.10.2011	H01L 21/687
(47) 07.10.2020	(22) 21.04.2011	(11) EP3366423
(87) EP2011053997	(54) METHOD FOR OPERATING A PIVOT DRIVE	(21) EP18000174.5
06.10.2011	(73) WEISS GmbH	(47) 07.10.2020
(22) 16.03.2011		(22) 21.02.2018
(54) SECURING DEVICE FOR SECURING A CHUCK ON A ROTATING SPINDLE		(54) SUPPORT FOR FLEXIBLE WORKPIECES
(73) Schunk GmbH & Co. KG Spann- und Greiftechnik		(73) ASM Assembly Systems Singapore Pte. Ltd.
(72) SCHRÄDER, Philipp		(72) ASH, Paddy
HOLSTEIN, Alexander		SHORT, Neil

(31) 201702916	(33) Germany	(51) B25H 3/02
(32) 23.02.2017	(51) B25C 1/00	B65D 21/02
(33) United Kingdom	B25F 1/04	(11) EP3159115
(51) B25B 21/00	B25F 5/02	(21) EP16194874.0
B25F 5/00	(11) EP3558598	(47) 07.10.2020
(11) EP3069825	(21) EP17832754.0	(22) 20.10.2016
(21) EP16158359.6	(47) 07.10.2020	(54) WALL MOUNT FOR STACKABLE
(47) 07.10.2020	(87) EP2017082563	SUITCASE WITH MULTIFUNCTIONAL
(22) 03.03.2016	28.06.2018	FIXING STRUCTURE
(54) POWER TOOL	(22) 13.12.2017	(73) Würth International AG
(73) Panasonic Intellectual Property	(54) TOOL DEVICE	(72) STARKE, Johannes
Management Co., Ltd.	(73) Hilti Aktiengesellschaft	HOHL, Wolfgang
(72) IKEDA, Masaki	(72) FIELITZ, Harald	OBERNDÖRFER, Oliver
TSURUTA, Naoki	FRANZ, Karl	(31) 102015118024
(31) 2015049650	BLESSING, Matthias	(32) 22.10.2015
(32) 12.03.2015	(31) 16206614	(33) Germany
(33) Japan	(32) 23.12.2016	(51) B25J 9/00
(51) B25B 23/00	(33) European Patent Office (EPO)	B25J 9/16
B25B 27/00	(51) B25C 1/04	B25J 19/02
B25B 27/04	B25C 1/06	G01B 11/00
F16B 13/08	(11) EP3321037	G01B 21/04
F16L 55/11	(21) EP17200927.6	G05B 19/418
F16L 55/13	(47) 07.10.2020	(11) EP3282219
(11) EP3102867	(22) 09.11.2017	(21) EP17156886.8
(21) EP15740010.2	(54) CONTROL SYSTEM FOR GAS SPRING	(47) 07.10.2020
(47) 07.10.2020	FASTENER DRIVER	(22) 20.02.2017
(87) US2015011138	(73) TTI (Macao Commercial Offshore)	(54) INFORMATION PROCESSING
30.07.2015	Limited	SYSTEM, INFORMATION
(22) 13.01.2015	(72) Pomeroy, Edward A.	PROCESSING DEVICE, WORKPIECE
(54) SYSTEM AND METHOD FOR	Scott, Zachary	POSITION IDENTIFYING METHOD,
INSTALLING A MANIFOLD PLUG	Schnell, John	AND WORKPIECE POSITION
(73) Engineered Inserts & Systems Inc.	Namouz, Essam	IDENTIFYING PROGRAM
(72) KIRILICHIN, Victor	(31) 201662419863 P	(73) Omron Corporation
TURECHEK, David P.	201662419801 P	(72) SHIMAMURA, Junji
KRIEGER, Brian P.	(32) 09.11.2016	(31) 2016156535
(31) 201461929746 P	09.11.2016	(32) 09.08.2016
201414512018	(33) United States of America	(33) Japan
(32) 21.01.2014	United States of America	(51) B25J 9/16
10.10.2014	(51) B25F 5/02	(11) EP2965873
(33) United States of America	(11) EP3538324	(21) EP14176476.1
United States of America	(21) EP17798149.5	(47) 07.10.2020
(51) B25B 27/10	(47) 07.10.2020	(22) 10.07.2014
B25B 27/14	(87) EP2017077885	(54) Method for automatically controlling a
H01R 43/042	17.05.2018	manipulator
H01R 43/048	(22) 31.10.2017	(73) Siemens Aktiengesellschaft
(11) EP3572188	(54) BATTERY HOLDER	(72) Burmeister, Sören
(21) EP18173803.0	(73) Hilti Aktiengesellschaft	Neubauer, Werner
(47) 07.10.2020	(72) BAXIVANELIS, Konstantin	(51) B25J 9/16
(22) 23.05.2018	KÖNIGER, Tobias	(11) EP3150341
(54) MANUAL FORCEPS TOOL	(31) 16197919	(21) EP15803269.8
(73) Wezag GmbH Werkzeugfabrik	(32) 09.11.2016	(47) 07.10.2020
(72) Glockseisen, Thomas	(33) European Patent Office (EPO)	(87) JP2015065108
(51) B25B 27/14	(51) B25H 1/00	10.12.2015
(11) EP3548227	B62H 3/00	(22) 26.05.2015
(21) EP17808338.2	(11) EP3369646	(54) ROBOT CONTROL DEVICE
(47) 07.10.2020	(21) EP18158759.3	(73) Kabushiki Kaisha Kobe Seiko Sho (Kobe
(87) EP2017078602	(47) 07.10.2020	Steel, Ltd.)
28.06.2018	(22) 27.02.2018	(72) WADA, Takashi
(22) 08.11.2017	(54) ADAPTER FOR ATTACHING A TWO-	(31) 2014114086
(54) INSTALLATION TOOL FOR A WIRE	WHEELED VEHICLE TO A STAND AND	(32) 02.06.2014
THREAD INSERT	A DEVICE FOR SUPPORTING A TWO-	(33) Japan
(73) Böllhoff Verbindungstechnik GmbH	WHEELED VEHICLE	(51) B25J 9/16
(72) MARXKORS, Andreas	(73) Fischer, Dietmar	A61B 34/30
THOMMES, Holger	(72) Fischer, Dietmar	(11) EP2884933
ZIMMERMANN, Hermann	(31) 102017104215	(21) EP13829146.3
(31) 102016125481	(32) 01.03.2017	(47) 07.10.2020
(32) 22.12.2016	(33) Germany	(87) US2013055081
		20.02.2014

(22) 15.08.2013	(33) Japan	(32) 08.03.2017
(54) USER INITIATED BREAK-AWAY CLUTCHING OF A SURGICAL MOUNTING PLATFORM	(51) B26B 19/14	(33) European Patent Office (EPO)
(73) Intuitive Surgical Operations, Inc.	(11) EP3573794	(51) B26D 1/00
(72) GRIFFITHS, Paul G.	(21) EP18700771.1	B26D 7/01
MOHR, Paul W.	(47) 07.10.2020	(11) EP3412417
SWARUP, Nitish	(87) EP2018051499	(21) EP18175476.3
(31) 201261683626 P	02.08.2018	(47) 07.10.2020
(32) 15.08.2012	(22) 23.01.2018	(22) 01.06.2018
(33) United States of America	(54) SHAVING UNIT AND SHAVING APPARATUS WITH SUPPORTING STRUCTURE FOR EXTERNAL CUTTING MEMBER	(54) CUTTING DEVICE AND CUTTING METHOD
(51) B25J 15/00	(73) Koninklijke Philips N.V.	(73) TVI Entwicklung und Produktion GmbH
B25J 15/06	(72) LAP, Reinder, Niels	(72) VÖLKL, Thomas
B42C 19/02	PETRELLI, Marcus, Cornelis	MAYR, Martin
B42C 19/08	DE VRIES, Alwin, William	(31) 102017112178
B65H 5/08	(31) 17153528	(32) 02.06.2017
B42D 25/24	(32) 27.01.2017	(33) Germany
(11) EP3587137	(33) European Patent Office (EPO)	(51) B26D 3/28
(21) EP19179582.2	(51) B26B 21/24	(11) EP3284564
(47) 07.10.2020	B26B 21/40	(21) EP17186120.6
(22) 12.06.2019	(11) EP3250350	(47) 07.10.2020
(54) HANDLING DEVICE AND METHOD FOR INSERTING DOCUMENT PORTIONS IN A PROCESSING DEVICE	(21) EP16744261.5	(22) 14.08.2017
(73) Bundesdruckerei GmbH	(47) 07.10.2020	(54) SLICER FOR FOOD
(72) Matthies, David	(87) US2016015898	(73) Triangle GmbH
Schneider, Helmut	04.08.2016	(72) Kelch, Christine
lphöfer, Alexander	(22) 01.02.2016	Krämer, Ralph
(31) 102018114373	(54) DUAL SIDED RAZOR	(31) 102016115206
(32) 15.06.2018	(73) Mack-Ray, Inc.	(32) 16.08.2016
(33) Germany	(72) LIBERATORE, Raymond A.	(33) Germany
(51) B25J 15/06	(31) 201562110595 P	(51) B26D 7/18
B29D 30/44	201562249578 P	B26F 1/38
(11) EP3582957	(32) 01.02.2015	(11) EP3495102
(21) EP18702362.7	02.11.2015	(21) EP18208463.2
(47) 07.10.2020	(33) United States of America	(47) 07.10.2020
(87) NL2018050045	United States of America	(22) 27.11.2018
23.08.2018	(51) B26B 21/40	(54) COUNTER-ROD SUPPORT FOR DISCHARGING WASTE FROM PRE-CUT SHEETS FOR SHAPE CUTTING MACHINE
(22) 23.01.2018	B26B 21/60	(73) Rayform SPRL
(54) TRANSFER DEVICE AND METHOD FOR TRANSFERRING A TIRE COMPONENT	(11) EP3370930	(72) DE SOMER, Jean-Marie
(73) VMI Holland B.V.	(21) EP16785518.8	(31) 201705909
(72) HAITSMA, Otte	(47) 07.10.2020	(32) 06.12.2017
VAN TIENHOVEN, Jeroen	(87) EP2016075745	(33) Belgium
RUTGERS, Peter	11.05.2017	(51) B26D 9/00
(31) 2018380	(22) 26.10.2016	B26F 1/38
(32) 15.02.2017	(54) BLADE GUARD FOR RAZOR BLADES MADE OF CURABLE ADHESIVE	B26F 3/00
(33) Netherlands	(73) eLED Revolution GmbH	B23K 26/00
(51) B26B 19/06	(72) HEDDERICH, Philipp	B31B 50/20
B26B 19/28	ORTH, Uwe	(11) EP3375600
H02K 7/04	(31) 102015118959	(21) EP17161207.0
H02K 33/06	(32) 05.11.2015	(47) 07.10.2020
H02K 33/16	(33) Germany	(22) 15.03.2017
(11) EP3393020	(51) B26B 21/56	(54) CONTACT AND NON-CONTACT SUBSTRATE PROCESSING
(21) EP18166054.9	B26B 21/60	(73) HP Scitex Ltd
(47) 07.10.2020	(11) EP3592516	(72) VEIS, Alex
(22) 06.04.2018	(21) EP18708421.5	(51) B26F 1/14
(54) OSCILLATORY LINEAR ACTUATOR AND HAIR CUTTING DEVICE	(47) 07.10.2020	B31B 70/14
(73) Panasonic Intellectual Property Management Co., Ltd.	(87) EP2018055382	B31B 70/86
(72) MURAKAMI, Tomoaki	13.09.2018	(11) EP3278969
KOBAYASHI, Noboru	(22) 05.03.2018	(21) EP17184309.7
INOUE, Hiroki	(54) RAZOR BLADE	(47) 07.10.2020
MORIGUCHI, Masashi	(73) BIC-Violex S.A.	(22) 01.08.2017
(31) 2017082952	(72) KONTOKOSTAS, Labros	(54) DEVICE FOR DIE CUTTING BAGS WITH HANDLES OF THE SHOPPER TYPE WOUND IN A ROLL
(32) 19.04.2017	PAPATRIANTAFYLLOU, Ioannis	(73) Mober S.r.l
	TERLILIS, Taxiarchis	
	SIOZIOS, Anastasios	
	MAVROEIDIS, Konstantinos	
	(31) 17159915	

(72) TREZZI, Roberto TONIATO, Maurizio	B29B 7/74 B29B 7/82	B29C 44/32 B29C 44/46
(31) 201600082865	B29D 30/00	B29C 70/08
(32) 05.08.2016	B29D 30/06	B29C 70/50
(33) Italy	B60C 11/00	(11) EP3504039
(51) B27N 7/00	(11) EP3389968	(21) EP17758811.8
B44C 5/04	(21) EP16806030.9	(47) 07.10.2020
(11) EP3140130	(47) 07.10.2020	(87) EP2017070180
(21) EP15721577.3	(87) EP2016079297	01.03.2018
(47) 07.10.2020	22.06.2017	(22) 09.08.2017
(87) EP2015000942	(22) 30.11.2016	(54) METHOD FOR THE CONTINUOUS
12.11.2015	(54) PROCESS AND SYSTEM FOR	PRODUCTION OF FIBRE-
(22) 08.05.2015	CONTROLLING THE ADDITION OF	REINFORCED FOAMS
(54) METHOD FOR PRODUCING	WATER IN A RUBBER MIXTURE	(73) BASF SE
DECORATED WOODEN COMPOSITE	PRODUCED DURING A MIXING CYCLE	(72) RUCKDAESCHEL, Holger
BOARDS AND PANEL PRODUCED	(73) Compagnie Générale des	SOMMER, Maria-Kristin
FROM THE WOODEN COMPOSITE	Etablissements Michelin	ARBTER, Rene
BOARD, IN PARTICULAR FLOOR	(72) JUILLARD, Jean-Claude	KOLTZENBURG, Sebastian
PANEL	VACHERON, Christian	(31) 16185828
(73) Flooring Technologies Ltd.	(31) 1562367	(32) 26.08.2016
(72) OLDORFF, Frank	(32) 15.12.2015	(33) European Patent Office (EPO)
(31) 14001642	(33) France	(51) B29B 15/12
(32) 09.05.2014	(51) B29B 11/12	B29C 70/08
(33) European Patent Office (EPO)	B29B 11/16	B29D 24/00
(51) B28B 3/22	B29C 33/00	B29K 61/04
B28B 11/12	B29C 70/02	B29K 63/00
(11) EP3549737	B29C 70/46	B29K 105/08
(21) EP19151304.3	B32B 7/12	B32B 3/12
(47) 07.10.2020	B32B 15/14	B32B 5/02
(22) 11.01.2019	(11) EP3548262	C08J 5/24
(54) METHOD FOR RECYCLING	(21) EP17803948.3	D06C 11/00
CONCRETE MASS IN A SLIPFORM	(47) 07.10.2020	(11) EP3388215
CASTING PROCESS, AND CASTING	(87) EP2017080282	(21) EP16872927.5
MACHINE	07.06.2018	(47) 07.10.2020
(73) Elematic Oyj	(22) 23.11.2017	(87) JP2016086011
(72) LEHTONEN, Heikki	(54) FIBRE-REINFORCED PREFORM WITH	15.06.2017
SIRKKA, Jouni	SERRATED EDGE	(22) 05.12.2016
EILOLA, Jani	(73) Hexcel Holding GmbH	(54) SANDWICH PANEL, METHOD FOR
(31) 20185081	(72) MOSER, Johannes	PRODUCING UNIDIRECTIONAL
(32) 30.01.2018	GABOR, Andreas	PREPREG, AND METHOD FOR
(33) Finland	(31) 16201708	PRODUCING SANDWICH PANEL
(51) B29B 7/18	(32) 01.12.2016	(73) Arisawa Mfg. Co., Ltd.
B29B 7/56	(33) European Patent Office (EPO)	(72) HIRAI Masaaki
B29B 7/72	(51) B29B 11/16	WATABE Kenichi
B29B 7/74	B29C 31/08	HORIE Takahiro
B29B 7/82	B29C 70/30	TANAKA Hiroshi
(11) EP3463780	B29C 70/54	(31) 2015241427
(21) EP17723953.0	B29L 31/08	(32) 10.12.2015
(47) 07.10.2020	F03D 1/06	(33) Japan
(87) EP2017060543	B29D 99/00	(51) B29C 31/02
30.11.2017	(11) EP2934873	B65D 88/54
(22) 03.05.2017	(21) EP13811361.8	B65D 90/34
(54) SYSTEM AND METHOD FOR	(47) 07.10.2020	B65G 53/04
PRODUCING RUBBER MIXTURE FOR	(87) DK2013050441	B29C 64/20
TIRES	26.06.2014	B29C 64/255
(73) Compagnie Générale des	(22) 18.12.2013	B33Y 40/00
Etablissements Michelin	(54) METHOD OF MANUFACTURING	(11) EP3265294
(72) LE-BARS, Lionel	A WIND TURBINE BLADE USING	(21) EP16722230.6
BORNES, Stephane	PRE-FABRICATED STACKS OF	(47) 07.10.2020
OTTO, Stephan	REINFORCING MATERIAL	(87) EP2016060748
THIALLIER, Claude	(73) Vestas Wind Systems A/S	16.11.2017
(31) 1654801	(72) SMITH, Jonathan	(22) 12.05.2016
(32) 27.05.2016	WARDROPPER, Steve	(54) BUILD MATERIAL CONTAINER
(33) France	(31) 201270817	(73) Hewlett-Packard Development Company,
(51) B29B 7/56	(32) 21.12.2012	L.P.
B29B 7/58	(33) Denmark	(72) CHANCLON FERNANDEZ, Ismael
B29B 7/60	(51) B29B 15/12	ALONSO BECERRO, Xavier
B29B 7/72	B29C 44/28	

JONES POPPECOU, Ernesto Alejandro	(47) 07.10.2020 (87) JP2016086446 29.06.2017	(73) Illinois Tool Works Inc. (72) Martin, Robert H Price II, William A Bruce, John Gregory Jordan, Darlynn Phillips Stearns, Craig Martin
(51) B29C 33/06 B29C 33/30 B29C 35/08 B29C 70/34	(22) 07.12.2016 (54) VINYL CHLORIDE RESIN COMPOSITION, VINYL CHLORIDE RESIN MOLDED ARTICLE, AND LAMINATE	(31) 201161467811 P 201213372997
(11) EP3455044 (21) EP17721746.0 (47) 07.10.2020 (87) EP2017061240 16.11.2017 (22) 10.05.2017	(73) Zeon Corporation (72) FUJIWARA Takanori (31) 2015255222 (32) 25.12.2015 (33) Japan	(32) 25.03.2011 14.02.2012 (33) United States of America United States of America
(54) DEVICE AND METHOD FOR MOULDING AND CONSOLIDATING A TEXTILE PREFORM	(51) B29C 43/18 B29C 70/06 B29C 70/38 B29K 105/08	(51) B29C 45/02 B29C 45/54 B29C 45/76 B29C 45/77 B29C 45/80 B29K 105/00
(73) Roctool (72) FEIGENBLUM, José (31) 1670220 (32) 10.05.2016 (33) France	(11) EP3042754 (21) EP14860804.5 (47) 07.10.2020 (87) JP2014079355 14.05.2015 (22) 05.11.2014 (54) DEVICE FOR AUTOMATICALLY LAYERING PREPREG SHEETS AND METHOD FOR LAYERING PREPREG SHEETS	(11) EP3374146 (21) EP16864802.0 (47) 07.10.2020 (87) US2016060506 18.05.2017 (22) 04.11.2016 (54) SHOOTING POT PLUNGER CONTROL (73) Husky Injection Molding Systems Ltd. (72) BELZILE, Manon Danielle DEZON-GAILLARD, Patrice Fabien PLUMPTON, James Osborne
(51) B29C 35/02 B29C 70/34 B29C 70/44 B32B 37/14	(73) Mitsubishi Heavy Industries, Ltd. (72) SHIBUTANI Takashi TSURUTA Megumu OWATARI Kosuke UEDA Toshikazu YAMASAKI Yukiharu	(31) 201562253863 P (32) 11.11.2015 (33) United States of America
(11) EP3023232 (21) EP15195973.1 (47) 07.10.2020 (22) 24.11.2015	(31) 2013230373 (32) 06.11.2013 (33) Japan	(51) B29C 45/17 B29C 45/76 (11) EP3368267 (21) EP16747794.2 (47) 07.10.2020 (87) EP2016068808 04.05.2017 (22) 05.08.2016 (54) PLASTIC INJECTION-MOLDING MACHINE HAVING AT LEAST ONE CAMERA
(54) METHOD FOR MANUFACTURING A COMPOSITE PART FROM A PREIMPREGNATED MATERIAL WITH A SEMI-CRYSTALLINE MATRIX HAVING AN AMORPHOUS SURFACE LAYER	(51) B29C 44/12 (11) EP3188884 (21) EP15752906.6 (47) 07.10.2020 (87) CH2015000114 10.03.2016 (22) 05.08.2015 (54) METHOD FOR PRODUCING A COMPOSITE PART	(73) KraussMaffei Technologies GmbH (72) GRIMM, Günther (31) 102015118571 (32) 30.10.2015 (33) Germany
(73) LEONARDO S.P.A. (72) IANNONE, Michele (31) TO20140963 (32) 24.11.2014 (33) Italy	(73) Brugg Rohr Ag Holding (72) OESCHGER, Alfred KRESS, Jürgen DAMBOWY, Christian	(51) B29C 45/27 B29C 45/28 (11) EP3535105 (21) EP17791411.6 (47) 07.10.2020 (87) EP2017077811 11.05.2018 (22) 30.10.2017 (54) HOT RUNNER INJECTION MOLDING APPARATUS AND ASSOCIATED FLEXIBLE ACTUATOR TO VALVE PIN CONNECTION
(51) B29C 35/16 B33Y 30/00 B29C 64/106 B29C 64/209	(31) 13452014 (32) 04.09.2014 (33) Switzerland	(73) Otto Männer Innovation GmbH (72) SPULLER, Sven OLARU, Gheorge STULZ, Christopher
(11) EP3401081 (21) EP18169410.0 (47) 07.10.2020 (22) 26.04.2018	(51) B29C 45/00 B29K 23/00 B29L 31/00 B65D 83/00 C08K 3/08 C08K 3/30 G01V 15/00 H01F 1/01 G01N 33/20	(31) 201662416402 P (32) 02.11.2016 (33) United States of America
(54) THREE-DIMENSIONAL MODELING APPARATUSES AND METHODS FOR FABRICATING THREE-DIMENSIONAL OBJECTS	(11) EP3138787 (21) EP16188423.4 (47) 07.10.2020 (22) 23.03.2012 (54) ELECTROMAGNETIC SPECTRALLY DETECTABLE PLASTIC PACKAGING COMPONENTS	(51) B29C 48/09
(73) Seiko Epson Corporation (72) SAITO, Koichi MIZUKAMI, Shunsuke NAKAMURA, Kazuhide		
(31) 2017095394 (32) 12.05.2017 (33) Japan		
(51) B29C 41/18 B29K 27/06 B29L 31/58 B32B 5/18 B32B 27/30 B32B 27/40 C08K 5/103 C08K 5/12 C08L 27/06		
(11) EP3395886 (21) EP16878372.8		

B29C 48/12	(31) 102012015462	B29C 70/38
B29C 48/90	(32) 07.08.2012	B29K 63/00
(11) EP3003683	(33) Germany	B29L 31/30
(21) EP14732507.0	(51) B29C 49/12	B29D 99/00
(47) 07.10.2020	B29C 49/42	(11) EP3480002
(87) EP2014060682	B29C 49/58	(21) EP18187193.0
27.11.2014	B29C 49/78	(47) 07.10.2020
(22) 23.05.2014	F16K 31/124	(22) 03.08.2018
(54) CALIBRATING DEVICE, CALIBRATING METHOD AND METHOD FOR PRODUCING A CALIBRATING DEVICE	(11) EP3105032	(54) SYSTEMS AND METHODS FOR IN SITU MANUFACTURING OF MINIMALLY TOOLED STRINGERS
(73) Greiner Tool.Tec GmbH	(21) EP15708741.2	(73) The Boeing Company
(72) FISCHER, Bernhard	(47) 07.10.2020	(72) Chungbin, Jerry D.
ANDERS, Gerhard	(87) EP2015052835	Watanabe, Narumi
WEIERMAYER, Leopold	20.08.2015	(31) 201715802230
KRUMBÖCK, Erwin	(22) 11.02.2015	(32) 02.11.2017
(31) 102013209703	(54) A VALVE FOR A BLOW MOLDING MACHINE AND A METHOD FOR ACTUATING A VALVE FOR A BLOW MOLDING MACHINE	(33) United States of America
(32) 24.05.2013	(73) Norgren AG	(51) B29C 55/12
(33) Germany	(72) RYMANN, Othmar	B29K 23/00
(51) B29C 49/02	(31) 201461938313 P	B29L 7/00
B29C 49/06	(32) 11.02.2014	B29L 9/00
B29C 49/36	(33) United States of America	B32B 27/08
B29C 49/48	(51) B29C 51/00	B32B 27/18
B29C 49/56	B29C 51/14	B32B 27/20
(11) EP3103615	B29C 51/34	B32B 27/32
(21) EP16165771.3	B29K 67/00	C08J 5/18
(47) 07.10.2020	B29K 105/04	(11) EP3363616
(22) 18.04.2016	B29L 9/00	(21) EP16855163.8
(54) BLOWING OR STRETCH-BLOWING MACHINE FOR BOTTLES MADE OF POLYMER MATERIAL	B29L 31/00	(47) 07.10.2020
(73) SMI S.p.A.	(11) EP3308943	(87) JP2016073191
(72) NAVA, Paolo	(21) EP17203876.2	20.04.2017
ROMITTI, Paolo	(47) 07.10.2020	(22) 05.08.2016
MERELLI, Dario	(22) 12.06.2014	(54) BIAXIALY ORIENTED POLYPROPYLENE FILM, MULTILAYERED FILM INCLUDING METAL FILM, AND FILM CAPACITOR
GRAZIOLI, Marco	(54) FOAMED ARTICLES WITH DEEP UNDERCUTS	(73) Toray Industries, Inc.
(31) UB20150993	(73) Eastman Chemical Company	(72) FUJIMOTO, Soichi
(32) 10.06.2015	(72) Hawkins, Gary Stuart	ASANO, Tetsuya
(33) Italy	(31) 201361835211 P	(31) 2015201800
(51) B29C 49/06	201314132589	(32) 13.10.2015
B29C 49/42	(32) 14.06.2013	(33) Japan
B29C 49/68	18.12.2013	(51) B29C 63/02
B29L 31/00	(33) United States of America	(11) EP3381655
(11) EP3549744	United States of America	(21) EP18164945.0
(21) EP19166888.8	(51) B29C 53/04	(47) 07.10.2020
(47) 07.10.2020	B29C 53/38	(22) 29.03.2018
(22) 02.04.2019	B29C 65/00	(54) SCREEN FILM APPLICATOR
(54) OVEN FOR PREFORMS	B29C 65/48	(73) Lin, Chia-Ching
(73) SMI S.P.A. Con Socio Unico	B29C 65/78	(72) Lin, Chia-Ching
(72) NAVA, Angelo	B29C 69/00	(31) 106204611 U
(31) 201800004215	B29C 70/30	(32) 31.03.2017
(32) 05.04.2018	B29L 31/30	(33) Taiwan, Province of China
(33) Italy	B29D 99/00	(51) B29C 64/135
(51) B29C 49/08	(11) EP3560689	B29C 64/236
B29C 49/64	(21) EP19164970.6	B29C 64/245
B29C 55/06	(47) 07.10.2020	(11) EP2629949
B29C 55/18	(22) 25.03.2019	(21) EP11834769.9
B29C 48/10	(54) METHODS OF MANUFACTURING A PANEL HAVING A COMPOSITE STRINGER FOR A VEHICLE	(47) 07.10.2020
(11) EP3266590	(73) The Boeing Company	(87) US2011033436
(21) EP17001349.4	(72) SHINOZAKI, John Makoto	26.04.2012
(47) 07.10.2020	(31) 201815963425	(22) 21.04.2011
(22) 07.08.2013	(32) 26.04.2018	(54) METHOD OF MAKING A LAYER OF A THREE-DIMENSIONAL OBJECT
(54) BLOWN FILM SYSTEM, METHOD FOR PRODUCING A BLOWN FILM SHEET AND FILM PRODUCED WITH SAME	(33) United States of America	(73) Global Filtration Systems, Inc.
(73) Reifenhäuser GmbH & Co. KG	(51) B29C 53/04	(72) SHKOLNIK, Alexandr
Maschinenfabrik	B29C 63/00	EL-SIBLANI, Ali
(72) Gandelheidt, Edgar	B29C 63/04	(31) 907853

(32) 19.10.2010	12.05.2016	(22) 02.03.2017
(33) United States of America	(22) 21.10.2015	(54) METHOD FOR PRODUCING AN ASSEMBLY
(51) B29C 64/153	(54) BONDING OF COMPOSITE MATERIALS	(73) Zeon Corporation
B29C 64/165	(73) Cytec Industries Inc.	(72) ISHIGURO, Atsushi
B29C 64/245	(72) MACADAMS, Leonard	CHIBA, Daido
B29C 64/255	KOHLI, Dalip	KOHARA, Teiji
B29C 64/357	(31) 201462074266 P	KURIHARA, Ryuta
(11) EP3094476	(32) 03.11.2014	(31) 2016045488
(21) EP14879087.6	(33) United States of America	(32) 09.03.2016
(47) 07.10.2020	(51) B29C 65/02	(33) Japan
(87) US2014032333	B29C 65/78	(51) B29C 65/02
23.07.2015	B31B 70/98	B64C 1/00
(22) 31.03.2014	(11) EP3532271	(11) EP2285670
(54) GENERATING THREE-DIMENSIONAL OBJECTS	(21) EP17800411.5	(21) EP09733246.4
(73) Hewlett-Packard Development Company, L.P.	(47) 07.10.2020	(47) 07.10.2020
(72) JUAN, Fernando	(87) EP2017077673	(87) US2009037073
DE PENA, Alejandro Manuel	03.05.2018	22.10.2009
COMAS, Esteve	(22) 27.10.2017	(22) 13.03.2009
DAVIS, Edward Dale	(54) IMPROVEMENT IN FLAP BAG PRODUCTION	(54) METHOD FOR PRODUCING CONTOURED COMPOSITE STRUCTURES
(31) PCT/EP2014/050841	(73) LEMO Maschinenbau GmbH	(73) The Boeing Company
PCT/US2014/014025	(72) ODENTHAL, Hartmut	(72) MCCARVILLE, Douglas, A.
(32) 16.01.2014	(31) 102016120582	STICKLER, Patrick, B.
31.01.2014	(32) 27.10.2016	GUZMAN, Juan, C.
(33) World Intellectual Property Office (WIPO)	(33) Germany	NOEL, Jennifer, S.
World Intellectual Property Office (WIPO)	(51) B29C 65/02	SWEETIN, Joseph, L.
(51) B29C 65/00	B29C 70/08	(31) 104529
B29C 65/16	B29K 101/10	(32) 17.04.2008
B29C 65/58	B29K 105/06	(33) United States of America
B29C 65/72	B29K 307/04	(51) B29C 65/04
B29L 31/00	B29L 31/30	B32B 37/06
B29L 31/34	B32B 3/06	H01B 17/28
H01M 2/02	B32B 5/26	H01B 19/00
H01M 2/08	B64C 1/06	H01G 4/32
H01M 2/10	B64C 1/12	H01G 13/02
H01M 10/42	B32B 7/04	(11) EP3498471
B60L 50/64	(11) EP3062989	(21) EP17207920.4
(11) EP3195383	(21) EP14903502.4	(47) 07.10.2020
(21) EP15760571.8	(47) 07.10.2020	(22) 18.12.2017
(47) 07.10.2020	(87) US2014043676	(54) METHOD OF CONSOLIDATING A WOUND BODY
(87) US2015047007	09.06.2016	(73) ABB Power Grids Switzerland AG
03.03.2016	(22) 23.06.2014	(72) MARTINI, Harald
(22) 26.08.2015	(54) PRE-FORMED THERMOPLASTIC FILLER FOR THERMOSET STRUCTURE	SCHIESSLING, Joachim
(54) COLLAR FOR SEALING A BATTERY MODULE	(73) The Boeing Company	(51) B29C 65/16
(73) CPS Technology Holdings LLC	(72) FORSTON, Gabriel Z.	(11) EP3426464
(72) MACK, Robert J.	HARRIS, Christopher G.	(21) EP17710195.3
RIESS, Brian P.	TYNDALL, Joshua P.	(47) 07.10.2020
(31) 201462042005 P	KWON, Hyukbong	(87) EP2017055483
201562146781 P	SCHMIDT, Carolyn	14.09.2017
201514835615	(31) 201314045483	(22) 08.03.2017
(32) 26.08.2014	(32) 03.10.2013	(54) METHOD FOR PRODUCING A MOULDED PART ASSEMBLY
13.04.2015	(33) United States of America	(73) aft automotive GmbH
25.08.2015	(51) B29C 65/02	(72) HEMKER, Daniel
(33) United States of America	B32B 7/10	HUES, Patrick
United States of America	B32B 25/08	MÄRTEN, Andreas
United States of America	B32B 27/00	KRAMER, Dirk
(51) B29C 65/00	B32B 27/16	(31) 102016204066
B29C 65/48	B32B 27/30	(32) 11.03.2016
B29C 65/50	B32B 27/36	(33) Germany
C08G 59/40	C08J 7/00	(51) B29C 65/36
C08J 5/24	(11) EP3427946	B29C 65/74
C09J 5/02	(21) EP17763058.9	B65B 51/22
(11) EP3227363	(47) 07.10.2020	(11) EP3131739
(21) EP15798262.0	(87) JP2017008234	(21) EP15712864.6
(47) 07.10.2020	14.09.2017	
(87) US2015056551		

(47) 07.10.2020	03.10.2013	(33) United States of America
(87) EP2015056173	(22) 26.03.2013	United Kingdom
22.10.2015	(54) METHOD OF DEWATERING IN A	(51) B29C 70/50
(22) 24.03.2015	CONTINUOUS HIGH INTERNAL	B29D 99/00
(54) INDUCTION SEALING DEVICE AND	PHASE EMULSION FOAM FORMING	(11) EP2990187
METHOD OF SEALING A PACKAGING	PROCESS	(21) EP15181961.2
MATERIAL USING SAID INDUCTION	(73) The Procter & Gamble Company	(47) 07.10.2020
SEALING DEVICE	(72) SIEW, Wei-ling	(22) 21.08.2015
(73) Tetra Laval Holdings & Finance SA	ZHANG, Jiajie	(54) METHOD AND APPARATUS FOR
(72) ISRAELSSON, Karl	GARG, Aditya	FORMING A COMPOSITE MATERIAL
ANDERSSON, Håkan	(31) 201261618342 P	BLANK
STAJKOVIC, Marco	(32) 30.03.2012	(73) The Boeing Company
CARLIOZ, Louis	(33) United States of America	(72) THOMAS, Charles William
(31) 1450467	(51) B29C 70/02	FORSTON, Gabriel Zane
1451459	B29C 70/88	STEPHENSON, Benjamin Jeffrey
(32) 16.04.2014	B29K 63/00	(31) 201414470333
01.12.2014	B29K 105/16	(32) 27.08.2014
(33) Sweden	B29K 309/08	(33) United States of America
Sweden	B29K 707/04	(51) B29C 70/76
(51) B29C 65/48	(11) EP2504155	E04F 15/02
B29C 65/54	(21) EP10803639.3	(11) EP2989269
B29K 105/20	(47) 07.10.2020	(21) EP14719324.7
B29L 31/08	(87) IB2010055323	(47) 07.10.2020
F03D 1/06	03.06.2011	(87) EP2014058411
(11) EP3114348	(22) 22.11.2010	30.10.2014
(21) EP15706479.1	(54) FIBER REINFORCED POLYMERIC	(22) 24.04.2014
(47) 07.10.2020	COMPOSITES WITH TAILORABLE	(54) FLOOR BOARD, IN PARTICULAR FOR
(87) EP2015053976	ELECTRICAL RESISTIVITIES AND	FLOORING
11.09.2015	PROCESS FOR PREPARING THE	(73) MXF Holding GmbH
(22) 26.02.2015	SAME	(72) HÜLLENKREMER, Felix
(54) METHOD FOR PRODUCING A ROTOR	(73) The Director General, Defence Research	MANNHEIM, Manuel
BLADE OF A WIND TURBINE, A	& Development Organisation (DRDO)	(31) 102013007048
ROTOR BLADE AND A WIND TURBINE	(72) DASGUPTA, Samudra	(32) 24.04.2013
(73) Senvion GmbH	KUMAR, Madishetty, Narayana, Rao,	(33) Germany
(72) BENDEL, Urs	Jagdish	(51) B29C 73/16
EYB, Enno	SANKARAN, Sundaram	B29L 30/00
RICHERS, Tilman	(31) 2424DE2009	(11) EP2746033
FLACH, Christian	(32) 24.11.2009	(21) EP12833654.2
MESTER, Hendrik	(33) India	(47) 07.10.2020
(31) 102014203936	(51) B29C 70/38	(87) JP2012068585
(32) 04.03.2014	(11) EP2903802	28.03.2013
(33) Germany	(21) EP13762927.5	(22) 23.07.2012
(51) B29C 65/56	(47) 07.10.2020	(54) FLAT TIRE REPAIR KIT
F16B 5/02	(87) US2013056763	(73) Sumitomo Rubber Industries, Ltd.
(11) EP3110612	10.04.2014	(72) TANIGUCHI Norio
(21) EP15705559.1	(22) 27.08.2013	KONO Tsutomu
(47) 07.10.2020	(54) METHOD OF COMPOSITE TAPE	(31) 2011204968
(87) EP2015052928	LAMINATION OVER CONVEX RADII	(32) 20.09.2011
03.09.2015	(73) The Boeing Company	(33) Japan
(22) 12.02.2015	(72) KISCH, Robert A.	(51) B29D 11/00
(54) METHOD FOR MOUNTING A FIBER	ANDERSEN, James Blades	(11) EP2391500
COMPOSITE COMPONENT IN THE	(31) 201213645892	(21) EP10701608.1
FLOW OF FORCE OF A CLAMP	(32) 05.10.2012	(47) 07.10.2020
CONNECTION	(33) United States of America	(87) US2010022222
(73) Bayerische Motoren Werke	(51) B29C 70/38	05.08.2010
Aktiengesellschaft	(11) EP3344445	(22) 27.01.2010
(72) CIFALDI, Sandro	(21) EP16762838.7	(54) OPHTHALMIC LENS PRECURSOR
LENZ, Juergen	(47) 07.10.2020	(73) Johnson & Johnson Vision Care Inc.
STERNAGEL, Roman	(87) GB2016052687	(72) WIDMAN, Michael, F.
(31) 102014203761	09.03.2017	ENNS, John, B.
(32) 28.02.2014	(22) 31.08.2016	POWELL, P., Mark
(33) Germany	(54) LAY-UP HEAD	SITES, Peter, W.
(51) B29C 67/20	(73) Rolls-Royce plc	(31) 363138
C08J 9/28	(72) TINGLE, James	(32) 30.01.2009
(11) EP2830859	(31) 201562213912 P	(33) United States of America
(21) EP13717096.5	201515955	(51) B29D 22/00
(47) 07.10.2020	(32) 03.09.2015	B33Y 10/00
(87) US2013033817	09.09.2015	

B33Y 30/00	D'ORIA, Francesco	B32B 27/18
B33Y 50/02	(31) MI20141003	B32B 27/30
B29C 64/124	(32) 30.05.2014	B32B 27/32
B29C 64/135	(33) Italy	B32B 27/36
B29C 64/245	(51) B29D 30/24	B32B 27/40
B29C 64/255	B29D 30/30	B60J 1/00
B29C 64/393	(11) EP3498464	(11) EP3541621
(11) EP3169512	(21) EP18210837.3	(21) EP17800509.6
(21) EP15822762.9	(47) 07.10.2020	(47) 07.10.2020
(47) 07.10.2020	(22) 06.12.2018	(87) EP2017079371
(87) US2015040246	(54) METHOD AND APPARATUS FOR	24.05.2018
21.01.2016	MAKING A MULTI-COMPONENT TIRE	(22) 16.11.2017
(22) 14.07.2015	(73) The Goodyear Tire & Rubber Company	(54) TRANSPARENT MULTILAYER BODY
(54) SYSTEMS AND METHODS FOR	(72) STUBER, Neil Philip	FOR THERMAL MANAGEMENT
AN IMPROVED PEEL OPERATION	CURRIE, William Dudley	(73) Covestro Intellectual Property GmbH &
DURING ADDITIVE FABRICATION	VARGO, Richard David	Co. KG
(73) Formlabs, Inc.	(31) 201715841502	(72) MEYER, Alexander
(72) LOBOVSKY, Maxim	(32) 14.12.2017	OSER, Rafael
THOMAS, Steven	(33) United States of America	HINZMANN, Dirk
FRANTZDALE, Ben	(51) B29K 69/00	KUHLMANN, Timo
(31) 201414333885	B29K 75/00	(31) 16199355
(32) 17.07.2014	B33Y 10/00	(32) 17.11.2016
(33) United States of America	B33Y 80/00	(33) European Patent Office (EPO)
(51) B29D 30/00	B29C 64/106	(51) B32B 1/02
(11) EP3630474	B29C 64/153	B32B 3/06
(21) EP18725000.6	B33Y 70/00	B32B 5/04
(47) 07.10.2020	(11) EP3562648	B32B 7/12
(87) NL2018050285	(21) EP17821927.5	B32B 23/06
29.11.2018	(47) 07.10.2020	B32B 29/00
(22) 01.05.2018	(87) EP2017084287	B32B 38/12
(54) ASSEMBLY AND METHOD FOR	05.07.2018	B65D 47/00
PROCESSING BEAD-APEXES	(22) 22.12.2017	(11) EP3278972
(73) VMI Holland B.V.	(54) LAYER-BASED PRODUCTION	(21) EP17185153.8
(72) TEUNISSEN, Theodorus Gijsbertus	METHOD FOR AN OBJECT WITH	(47) 07.10.2020
Gerardus	DIFFERENT LAYER MATERIAL	(22) 07.08.2017
BEEKMAN, Peter	(73) Covestro Deutschland AG	(54) CONTAINER FOR STORING FOOD
(31) 2018974	(72) ACHTEN, Dirk	(73) Alfabio S.r.l.
(32) 24.05.2017	BÜSGEN, Thomas	(72) Anderlini, Michelangelo
(33) Netherlands	REICHERT, Peter	(31) 10132016
(51) B29D 30/00	DEGIORGIO, Nicolas	(32) 05.08.2016
B29D 30/06	WEHRMANN, Rolf	(33) Switzerland
(11) EP3482920	HEUER, Helmut, Werner	(51) B32B 1/08
(21) EP18204442.0	WENZ, Eckhard	B32B 27/32
(47) 07.10.2020	(31) 16207131	F16L 11/115
(22) 05.11.2018	(32) 28.12.2016	F16L 11/24
(54) RELEASE MECHANISM FOR A TIRE	(33) European Patent Office (EPO)	(11) EP2873525
MOLD PLATE	(51) B31B 50/44	(21) EP14191440.8
(73) The Goodyear Tire & Rubber Company	B31B 100/00	(47) 07.10.2020
(72) PIERRE, Christophe Jean Alexis	B31B 110/35	(22) 03.11.2014
COLBACK, Michael Jacques Thierry	(11) EP3489005	(54) Hose for fluid transport
ÖZTOP, Emre	(21) EP17203560.2	(73) REHAU AG + Co
(31) 201715810244	(47) 07.10.2020	(72) Wazlawik, Klaus
(32) 13.11.2017	(22) 24.11.2017	Zahn, Cornelia
(33) United States of America	(54) MOULD AND METHOD FOR	Lorenscheit, Dagmar
(51) B29D 30/24	PRODUCING PACKAGING	Beyer, Klaus
B29D 30/26	(73) MULTIVAC Sepp Haggenmüller SE & Co.	Hübner, Christian
(11) EP3148786	KG	Schörner, Georg
(21) EP15734450.8	(72) MÖRNANG, Konrad	(31) 202013105199 U
(47) 07.10.2020	(51) B32B 1/00	(32) 18.11.2013
(87) IB2015054051	B32B 7/12	(33) Germany
03.12.2015	B32B 15/08	(51) B32B 3/02
(22) 29.05.2015	B32B 15/082	B32B 3/28
(54) PROCESS AND APPARATUS FOR	B32B 15/085	B32B 3/30
PRODUCING TYRES FOR VEHICLE	B32B 15/09	B32B 5/14
WHEELS	B32B 15/095	B32B 27/00
(73) Pirelli Tyre S.p.A.	B32B 15/18	B32B 27/12
(72) SABBATANI, Enrico	B32B 15/20	B32B 27/28
SACCHI, Sergio	B32B 27/08	B32B 27/32

B32B 27/34	B32B 27/00	(72) OKADA, Yoshiaki
B32B 27/36	B32B 27/32	MIYAZAKI, Tomoyuki
D06C 23/04	C08J 9/10	NYUU, Keisuke
B32B 7/04	C09J 7/20	(31) 2014126877
B32B 7/06	B29C 48/00	(32) 20.06.2014
B32B 7/08	B29C 48/08	(33) Japan
(11) EP2861417	(11) EP3385315	(51) B32B 18/00
(21) EP13807297.0	(21) EP16870660.4	C04B 35/565
(47) 07.10.2020	(47) 07.10.2020	C04B 35/80
(87) CA2013000591	(87) JP2016085423	C04B 41/00
27.12.2013	08.06.2017	(11) EP2849942
(22) 18.06.2013	(22) 29.11.2016	(21) EP12737612.7
(54) IN-LINE SHEAR RESISTANT	(54) POLYOLEFIN RESIN FOAM SHEET	(47) 07.10.2020
NONWOVEN TEXTILES COMPRISED	AND ADHESIVE TAPE	(87) IT2012000142
OF SELECTIVELY SLIT AND	(73) Sekisui Chemical Co., Ltd.	21.11.2013
EMBOSSSED FILM	(72) NAGAI, Kento	(22) 16.05.2012
(73) AstenJohnson, Inc.	MATSUKI, Shigeki	(54) SHAPED COMPOSITE MATERIAL
(72) MANNINEN, Allan R.	(31) 2015233149	(73) Petroceramics S.p.A.
(31) 2779969	(32) 30.11.2015	(72) VALLE, Massimiliano
(32) 18.06.2012	(33) Japan	(51) B32B 27/08
(33) Canada	(51) B32B 9/00	B32B 27/18
(51) B32B 3/12	C23C 28/00	B32B 27/32
B32B 7/12	C23C 4/06	C08F 2/00
B32B 27/34	C23C 4/10	C08F 210/06
C08L 77/00	C08J 7/04	C08J 5/18
C08L 77/02	(11) EP3266607	C08L 23/14
C08L 77/06	(21) EP16758934.0	(11) EP3166789
E04C 2/36	(47) 07.10.2020	(21) EP15734675.0
(11) EP3296098	(87) JP2016056357	(47) 07.10.2020
(21) EP16792470.3	09.09.2016	(87) EP2015065488
(47) 07.10.2020	(22) 02.03.2016	14.01.2016
(87) JP2016061911	(54) FIBER-REINFORCED RESIN	(22) 07.07.2015
17.11.2016	STRUCTURE AND METHOD FOR	(54) PROPYLENE RANDOM COPOLYMER
(22) 13.04.2016	PRODUCING FIBER-REINFORCED	FOR FILM APPLICATIONS
(54) HONEYCOMB STRUCTURE,	RESIN STRUCTURE	(73) Borealis AG
SANDWICH STRUCTURE, AND	(73) Tocalo Co., Ltd.	(72) WANG, Jingbo
USE OF THERMOPLASTIC	(72) HABU, Yoichiro	HORILL, Thomas
POLYAMIDE RESIN COMPOSITION	MIYAKE, Yasuo	GAHLEITNER, Markus
FOR PRODUCING HONEYCOMB	ABE, Naoki	WACHHOLDER, Max
STRUCTURE AND SANDWICH	HAMAGUCHI, Tatsuya	AARNIO-WINTERHOF, Minna
STRUCTURE	(31) 2015042075	(31) 14176334
(73) Mitsubishi Gas Chemical Company, Inc.	(32) 04.03.2015	(32) 09.07.2014
(72) MATSUMOTO Nobuhiko	(33) Japan	(33) European Patent Office (EPO)
SATO Kazuya	(51) B32B 17/06	(51) B32B 27/08
(31) 2015095525	B32B 27/06	B32B 27/32
(32) 08.05.2015	B32B 33/00	C08J 5/18
(33) Japan	B65B 1/00	C08L 23/14
(51) B32B 5/02	B65D 1/00	(11) EP3331701
B32B 25/04	B65D 1/02	(21) EP16741912.6
B32B 25/08	B65D 17/00	(47) 07.10.2020
B32B 25/10	B65D 21/00	(87) EP2016067143
B32B 27/12	B65D 23/02	09.02.2017
(11) EP3245056	B65D 39/00	(22) 19.07.2016
(21) EP16703426.3	B65D 85/00	(54) MULTILAYER FILM COMPRISING
(47) 07.10.2020	C09D 201/00	PROPYLENE-ETHYLENE-1-BUTENE
(87) EP2016000067	C09D 7/40	TERPOLYMERS
21.07.2016	C09D 7/65	(73) Basell Poliolefine Italia S.r.l.
(22) 15.01.2016	(11) EP3159165	(72) MASSARI, Paola
(54) LINING ELEMENT	(21) EP15809434.2	CATHELIN, Caroline
(73) Trelleborg Izarra SA	(47) 07.10.2020	CAVALIERI, Claudio
(72) SAMUELSON, Carl	(87) JP2015062018	CIARAFONI, Marco
PETTERSSON, Tommy	23.12.2015	FELISATI, Andrea
ARBULO MONTOYA, Francisco Javier	(22) 20.04.2015	FERRARO, Angelo
Ruiz de	(54) STRUCTURE PROVIDED WITH	MORINI, Giampiero
(31) 1550034	LIQUID FILM FORMED ON SURFACE	PIEMONTESE, Fabrizio
(32) 16.01.2015	THEREOF AND COATING SOLUTION	VITALE, Gianni
(33) Sweden	FOR FORMING LIQUID FILM	(31) 15180036
(51) B32B 5/18	(73) Toyo Seikan Co., Ltd.	(32) 06.08.2015

(33) European Patent Office (EPO)	Kritchman, Eliahu M.	United States of America
(51) B32B 33/00	Eshed, David	(51) B41C 1/00
C07F 7/18	Gothait, Hanan	B41C 1/02
C08G 65/00	Danai, Dror	B41C 1/04
C08G 65/329	Bar Nathan, Meir	B41C 1/05
C08G 65/336	Kleinhendler, Chaim	B33Y 10/00
C09D 171/00	Menchik, Guy	B33Y 30/00
(11) EP3345912	(31) 46673103 P	B33Y 50/02
(21) EP16841861.4	(32) 01.05.2003	B29C 64/153
(47) 07.10.2020	(33) United States of America	B29C 64/386
(87) JP2016075354	(51) B33Y 10/00	(11) EP3206875
09.03.2017	B33Y 30/00	(21) EP15778348.1
(22) 30.08.2016	B29C 64/153	(47) 07.10.2020
(54) FLUORINATED ETHER COMPOUND,	B29C 64/393	(87) EP2015073765
FLUORINATED ETHER COMPOSITION,	(11) EP3083202	21.04.2016
COATING LIQUID AND ARTICLE	(21) EP14823948.6	(22) 14.10.2015
(73) AGC Inc.	(47) 07.10.2020	(54) METHOD FOR PRODUCING AN IMAGE
(72) HOSHINO, Taiki	(87) EP2014077981	STRUCTURE
TAKAO, Kiyotaka	25.06.2015	(73) Windmüller & Hölscher KG
TODA, Kazue	(22) 16.12.2014	(72) KRÜMPELMANN, Martin
ISHIZEKI, Kenji	(54) ADDITIVE MANUFACTURING OF	GUNSCHERA, Frank
ISOBE, Akira	THREE-DIMENSIONAL ARTICLES	WEIDMANN, Björn
(31) 2015171986	AND COMPUTER PROGRAM TO	(31) 92574
(32) 01.09.2015	IMPLEMENT SAID METHOD	(32) 16.10.2014
(33) Japan	(73) ARCAM AB	(33) Luxembourg
(51) B32B 38/18	(72) ACKELID, Ulf	(51) B41F 15/36
G02F 1/1333	LJUNGBLAD, Ulric	(11) EP3450170
H01L 51/50	(31) 201361917759 P	(21) EP16900628.5
(11) EP3050704	201414547584	(47) 07.10.2020
(21) EP16157972.7	(32) 18.12.2013	(87) KR2016015220
(47) 07.10.2020	19.11.2014	02.11.2017
(22) 27.06.2013	(33) United States of America	(22) 23.12.2016
(54) METHOD AND APPARATUS FOR	United States of America	(54) PRINTING SCREEN FRAME HOLDING
MANUFACTURING A DISPLAY DEVICE	(51) B33Y 50/00	DEVICE
(73) Samsung Display Co., Ltd.	B29C 64/153	(73) Vontronics Co., Ltd.
Yodogawa Medec Co., Ltd.	B29C 64/205	(72) CHOI, Soon-Von
(72) Lee, Kyung-Su	B29C 64/393	(31) 20160052257
HAN, Kwan-Young	(11) EP3521027	(32) 28.04.2016
Kim, Jong-Hwan	(21) EP18154525.2	(33) Korea (Republic)
Cho, Yong-Youl	(47) 07.10.2020	(51) B41F 16/00
Kim, Young-Sik	(22) 31.01.2018	B41F 19/00
Son, Yang-Han	(54) METHOD FOR DETERMINING AN	(11) EP3370968
Shigeru, Kimura	AMOUNT OF BUILD MATERIAL WHICH	(21) EP16805510.1
Hwang, Dae-Hyun	IS TO BE APPLIED IN A BUILD PLANE	(47) 07.10.2020
(31) 20120071375	AND DOSING DEVICE COMPRISING A	(87) IB2016056619
20130014650	CONTROL UNIT USING THE METHOD	11.05.2017
20130062110	(73) CL Schutzrechtsverwaltungs GmbH	(22) 03.11.2016
(32) 29.06.2012	(72) Bokkes, Tobias	(54) SHEET-FED STAMPING PRESS
08.02.2013	(51) B33Y 50/00	HAVING A FOIL LAMINATING UNIT
30.05.2013	B29C 64/386	(73) KBA-NotaSys SA
(33) Korea (Republic)	B29C 64/40	(72) GYGI, Matthias
Korea (Republic)	(11) EP3507079	BAUER, Regina
Korea (Republic)	(21) EP17765005.8	KRIEGE, Björn
(51) B33Y 10/00	(47) 07.10.2020	(31) 15193279
B33Y 30/00	(87) US2017049523	(32) 05.11.2015
B29C 64/112	08.03.2018	(33) European Patent Office (EPO)
B29C 64/264	(22) 31.08.2017	(51) B41F 17/18
(11) EP3527351	(54) IMPROVED ADDITIVE	B41F 17/22
(21) EP19157263.5	MANUFACTURING OF A THREE-	B41F 30/04
(47) 07.10.2020	DIMENSIONAL OBJECT	(11) EP3408100
(22) 02.05.2004	(73) 3D Systems, Inc.	(21) EP17700452.0
(54) APPARATUS FOR PRODUCING	(72) STERENTHAL, Roy	(47) 07.10.2020
AN OBJECT BY SEQUENTIAL	VOLCHEK, Kirill	(87) EP2017050852
DEPOSITION OF LAYERS OF	(31) 201662382543 P	03.08.2017
CONSTRUCTION MATERIAL	201662434136 P	(22) 17.01.2017
(73) Stratasy Ltd.	(32) 01.09.2016	(54) DEVICE FOR PRINTING HOLLOW
(72) Zeitun, Igal	14.12.2016	BODIES, AND METHOD FOR
Levi, Moshe	(33) United States of America	OPERATING SAID DEVICE

(73) Koenig & Bauer MetalPrint GmbH	FUJIWARA, Takehiro	(72) TANAKA, Shuichi
(72) BEHNKE, Stephan	KOMATSUDA, Seiji	SATO, Naoya
MASUCH, Bernd	SATO, Masahito	YODA, Tsuyoshi
WESCHENFELDER, Kurt	(31) 2015144444	NANBA, Toshinari
(31) 102016201137	(32) 21.07.2015	(31) 2015037782
(32) 27.01.2016	(33) Japan	(32) 27.02.2015
(33) Germany	(51) B41J 2/01	(33) Japan
(51) B41J 2/01	B41M 5/00	(51) B41J 2/14
B41J 2/015	C09D 11/101	B41J 2/175
B41J 2/045	C09D 11/322	(11) EP3206880
(11) EP3238941	C09D 11/324	(21) EP15850913.3
(21) EP15873324.6	C09D 11/36	(47) 07.10.2020
(47) 07.10.2020	C09D 11/38	(87) JP2015005233
(87) JP2015086355	(11) EP3124560	21.04.2016
30.06.2016	(21) EP15770087.3	(22) 16.10.2015
(22) 25.12.2015	(47) 07.10.2020	(54) PRINthead ASSEMBLY AND INKJET
(54) METHOD FOR DRIVING DROPLET-	(87) JP2015059404	PRINTER
DISCHARGING HEAD AND DROPLET-	01.10.2015	(73) Funai Electric Company Ltd
DISCHARGING DEVICE	(22) 26.03.2015	(72) NORASAK, Sam
(73) Konica Minolta, Inc.	(54) ACTIVE ENERGY RAY-CURABLE	MCKINNEY, Shane
(72) KIZAWA, Akiko	INKJET INK COMPOSITION	WARNER, Richard
KUKI, Takakazu	(73) Toyo Ink SC Holdings Co., Ltd.	(31) 201414516433
(31) 2014266521	Toyo Ink Co., Ltd.	(32) 16.10.2014
(32) 26.12.2014	(72) FUJIWARA, Daisuke	(33) United States of America
(33) Japan	KONNO, Tohru	(51) B41J 2/15
(51) B41J 2/01	(31) 2014062946	B41J 2/205
B41J 3/407	(32) 26.03.2014	B41J 2/21
B41J 11/00	(33) Japan	B41J 3/407
B41J 15/04	(51) B41J 2/045	B41J 19/14
H01B 13/00	(11) EP3150379	(11) EP3069885
(11) EP3603982	(21) EP16162977.9	(21) EP16159614.3
(21) EP18187177.3	(47) 07.10.2020	(47) 07.10.2020
(47) 07.10.2020	(22) 30.03.2016	(22) 10.03.2016
(22) 03.08.2018	(54) INKJET PRINTER PROVIDED WITH	(54) RECORDING APPARATUS
(54) SYSTEM FOR PRINTING ON A	DIAPHRAGM AND ADJUSTING	(73) Seiko Epson Corporation
SUBSTRATE	METHOD THEREFOR	(72) Fujita, Toru
(73) Heidelberg Druckmaschinen AG	(73) Brother Kogyo Kabushiki Kaisha	(31) 2015057839
(72) Schmitt-Lewen, Martin	(72) KATO, Yasuo	(32) 20.03.2015
(51) B41J 2/01	KAKIUCHI, Toru	(33) Japan
B41J 11/30	ITO, Yuichi	(51) B41J 2/15
B41J 11/32	HIBINO, Tomoko	B41J 2/21
B41J 15/16	(31) 2015193741	B41J 15/04
(11) EP3360688	(32) 30.09.2015	B41J 19/14
(21) EP18165709.9	(33) Japan	G06K 15/10
(47) 07.10.2020	(51) B41J 2/045	(11) EP3141391
(22) 03.03.2016	B41J 2/05	(21) EP16183226.6
(54) INKJET PRINTER	(11) EP3063008	(47) 07.10.2020
(73) Miyakoshi Printing Machinery Co., Ltd.	(21) EP13896622.1	(22) 08.08.2016
(72) IZAWA, Hideo	(47) 07.10.2020	(54) RECORDING APPARATUS AND
OOYAMA, Kouichi	(87) US2013067117	RECORDING METHOD
FUJIWARA, Takehiro	07.05.2015	(73) Canon Kabushiki Kaisha
KOMATSUDA, Seiji	(22) 28.10.2013	(72) TANAKA, Hirokazu
SATO, Kazushige	(54) ENCAPSULATING A BONDED WIRE	SASAKI, Gou
(31) 2015144444	WITH LOW PROFILE ENCAPSULATION	DOI, Tsukasa
(32) 21.07.2015	(73) Hewlett-Packard Development Company,	SEKI, Satoshi
(33) Japan	L.P.	SUZUKI, Fumiko
(51) B41J 2/01	(72) CHEN, Chien-Hua	YAMAGATA, Mayuko
B41J 11/30	CUMBIE, Michael W.	TAKAHASHI, Kiichiro
B41J 11/32	ZHANG, Zhuqing	(31) 2015157607
B41J 15/16	(51) B41J 2/14	2015157713
(11) EP3360689	(11) EP3261845	2015157605
(21) EP18165721.4	(21) EP16706914.5	2015157712
(47) 07.10.2020	(47) 07.10.2020	(32) 07.08.2015
(22) 03.03.2016	(87) JP2016000382	07.08.2015
(54) PRINTING METHOD	01.09.2016	07.08.2015
(73) Miyakoshi Printing Machinery Co., Ltd.	(22) 26.01.2016	07.08.2015
(72) IZAWA, Hideo	(54) ELECTRONIC DEVICE	(33) Japan
OOYAMA, Kouichi	(73) Seiko Epson Corporation	Japan

Japan	(47) 07.10.2020	(51) B41J 3/28
Japan	(87) CN2014070245	B41J 25/00
(51) B41J 2/165	27.11.2014	(11) EP2958752
(11) EP2913190	(22) 07.01.2014	(21) EP14708499.0
(21) EP14275034.8	(54) SHORT-CIRCUIT DETECTION	(47) 07.10.2020
(47) 07.10.2020	METHOD OF INK BOX CHIP, CHIP, INK	(87) EP2014053247
(22) 28.02.2014	BOX AND RECORDING DEVICE	28.08.2014
(54) Printhead nozzle maintenance	(73) Apex Microelectronics Co., Ltd	(22) 19.02.2014
(73) HP Scitex Ltd	(72) LIU, Weichen	(54) SURFACE MACHINING DEVICE
(72) Schneider, Matan	(31) 201310192677	(73) Notion Systems GmbH
Balaish, Moti	(32) 22.05.2013	(72) SCHÖNEFELD, Jan
Navon, Alon	(33) China	MÜNKEL, Jens
Malka, Harel	(51) B41J 2/175	DORAN, Michael
(51) B41J 2/165	G06F 13/42	SCHIMANSKY, Carsten
B41J 2/17	(11) EP3688601	(31) 102013101693
B41J 2/175	(21) EP18821924.0	(32) 20.02.2013
G06K 15/02	(47) 07.10.2020	(33) Germany
(11) EP3552828	(87) US2018063633	(51) B41J 11/00
(21) EP19176857.1	11.06.2020	(11) EP3118008
(47) 07.10.2020	(22) 03.12.2018	(21) EP15761088.2
(22) 31.01.2014	(54) LOGIC CIRCUITRY	(47) 07.10.2020
(54) INK SUPPLIES AND METHODS TO	(73) Hewlett-Packard Development Company,	(87) ES2015070171
PREPARE INK SUPPLIES	L.P.	17.09.2015
(73) Hewlett-Packard Development Company,	(72) PANSHIN, Stephen D.	(22) 11.03.2015
L.P.	LINN, Scott A	(54) VACUUM SYSTEM FOR SECURING
(72) MORRISON, Randal J.	(51) B41J 2/45	ITEMS IN PRINTING MACHINES
WANG, Kuang-Jen	H01S 5/183	(73) Barberan Latorre, Jesús Francisco
STAVIG, Robert N.	H01S 5/42	(72) Barberan Latorre, Jesús Francisco
(51) B41J 2/175	(11) EP2210319	(31) 201430353
(11) EP3437875	(21) EP08850008.7	(32) 14.03.2014
(21) EP17184050.7	(47) 07.10.2020	(33) Spain
(47) 07.10.2020	(87) JP2008071058	(51) B41J 11/00
(22) 31.07.2017	22.05.2009	(11) EP3508347
(54) LIQUID CONSUMPTION APPARATUS	(22) 13.11.2008	(21) EP19150900.9
HAVING CARTRIDGE, CARTRIDGE	(54) SURFACE EMITTING LASER,	(47) 07.10.2020
ATTACHMENT SECTION PROVIDED	SURFACE EMITTING LASER ARRAY,	(22) 09.01.2019
WITH TANK, AND CONSUMING	OPTICAL SCANNING DEVICE, IMAGE	(54) PRINTING APPARATUS AND METHOD
DEVICE	FORMING APPARATUS, OPTICAL	OF HEATING MEDIUM
(73) Brother Kogyo Kabushiki Kaisha	TRANSMISSION MODULE AND	(73) Seiko Epson Corporation
(72) KOBAYASHI, Akihito	OPTICAL TRANSMISSION SYSTEM	(72) OKADA, Hideki
ISHIBE, Akinari	(73) Ricoh Company, Ltd.	(31) 2018001021
TANABE, Yuma	(72) SATO, Shunichi	(32) 09.01.2018
HAYASHI, Masahiro	ITOH, Akihiro	(33) Japan
SATO, Masatake	HINO, Takeshi	(51) B41J 11/00
OSAKABE, Yoshinori	JIKUTANI, Naoto	B41J 11/06
TAKAHASHI, Hiroaki	(31) 2007295505	B41J 13/00
(51) B41J 2/175	2008016331	B41J 13/22
B41J 2/185	2008136146	(11) EP3027416
(11) EP3152061	(32) 14.11.2007	(21) EP13750950.1
(21) EP15793933.1	28.01.2008	(47) 07.10.2020
(47) 07.10.2020	26.05.2008	(87) IL2013050639
(87) US2015034256	(33) Japan	05.02.2015
10.12.2015	Japan	(22) 28.07.2013
(22) 04.06.2015	Japan	(54) MEDIA SUPPORT
(54) CONTINUOUS INK JET PRINT	(51) B41J 3/28	(73) HP Scitex Ltd
HEAD WITH ZERO ADJUSTMENT	B41J 3/54	(72) DEKEL, Yaron
EMBEDDED CHARGING ELECTRODE	(11) EP1534528	VEIS, Alex
(73) Videojet Technologies Inc.	(21) EP03792610.2	DIM, Yuval
(72) SMITH, Robert	(47) 07.10.2020	(51) B41J 11/00
SALHADIN, Omer	(87) IL2003000691	B41J 13/08
(31) 201462008219 P	04.03.2004	B41J 29/38
(32) 05.06.2014	(22) 20.08.2003	B65H 3/06
(33) United States of America	(54) MULTI-PRINthead DIGITAL PRINTER	B65H 5/02
(51) B41J 2/175	(73) Zach, Moshe	B65H 5/22
G06F 11/00	(72) Zach, Moshe	B65H 29/20
(11) EP3001316	(31) 15135402	B65H 29/24
(21) EP14800993.9	(32) 20.08.2002	B65H 29/52
	(33) Israel	(11) EP3463914

(21) EP17725255.8	(54) Printer	THEREOF, AND TROUBLESHOOTING
(47) 07.10.2020	(73) Fujitsu Component Limited	METHOD
(87) EP2017062416	(72) Ishikawa, Tetsuhiro	(73) Zhuhai Pantum Electronics Co., Ltd.
30.11.2017	Watanabe, Sumio	(72) YIN, Aiguo
(22) 23.05.2017	Mori, Yukihiko	DONG, Jinliang
(54) SHEET-FED PRINTING PRESS	Tsuchiya, Masahiro	(31) 201110440355
(73) Koenig & Bauer AG	(31) 2014039618	(32) 23.12.2011
(72) BERNARD, Andreas	(32) 28.02.2014	(33) China
BREUNIG, Hartmut	(33) Japan	<hr/>
HUPPMANN, Frank	(51) B41J 13/00	(51) B41M 1/28
MASUCH, Bernd	B41J 13/10	C09D 11/101
(31) 102016209035	(11) EP3571054	C09D 11/102
102017201011	(21) EP17800541.9	C09D 11/30
(32) 24.05.2016	(47) 07.10.2020	(11) EP3336152
23.01.2017	(87) EP2017079632	(21) EP16837276.1
(33) Germany	26.07.2018	(47) 07.10.2020
Germany	(22) 17.11.2017	(87) KR2016008944
<hr/>	(54) METHOD FOR OPERATING A SHEET- PROCESSING MACHINE, AND SHEET- PROCESSING MACHINE	23.02.2017
(51) B41J 11/00	(73) Koenig & Bauer AG	(22) 12.08.2016
B41J 13/10	(72) BERNARD, Andreas	(54) INK COMPOSITION FOR INKJET PRINT
B41J 13/26	BOLZA-SCHÜNEMANN, Claus	STEEL PLATE, INKJET PRINT STEEL
B41J 29/377	(31) 102017201012	PLATE USING SAME, AND METHOD
B65H 5/06	102017201009	FOR PRODUCING INKJET PRINT
B65H 29/12	102017208738	STEEL PLATE
B65H 29/14	102017212981	(73) Posco
B65H 31/02	(32) 23.01.2017	(72) KIM, Jin-Tae
B65H 31/30	23.01.2017	LEE, Jung-Hwan
G03G 15/00	23.05.2017	CHOI, Ha-Na
(11) EP3269554	27.07.2017	SONG, Yon-Kyun
(21) EP17180441.2	(33) Germany	(31) 20150115002
(47) 07.10.2020	Germany	(32) 14.08.2015
(22) 10.07.2017	Germany	(33) Korea (Republic)
(54) POST PROCESSING DEVICE AND PRINTING SYSTEM	Germany	<hr/>
(73) Seiko Epson Corporation	(51) B41J 15/04	(51) B41M 3/00
(72) KODAMA, Hidetoshi	B41J 17/24	B41M 7/00
ADACHI, Hirohisa	B41M 5/382	C09D 11/101
HARADA, Yutaro	(11) EP3261846	C09D 11/34
(31) 2016138251	(21) EP16713628.2	C09D 11/38
2016138252	(47) 07.10.2020	B29C 67/00
2016138253	(87) NL2016050132	(11) EP3152266
2016138256	01.09.2016	(21) EP15729043.8
2016138257	(22) 24.02.2016	(47) 07.10.2020
2016156219	(54) THERMAL TRANSFER PRINTING	(87) US2015034177
2017089382	SPOOL, PRODUCTION METHOD	10.12.2015
2017089383	THEREFOR, PRINTING METHOD, AND USE OF A THERMAL TRANSFER	(22) 04.06.2015
(32) 13.07.2016	PRINTER	(54) INKS COMPRISING GELLANTS FOR
13.07.2016	(73) Plabo Holding B.V.	3D PRINTING
13.07.2016	(72) SCHAEFFER, Everardus Johannes	(73) 3D Systems, Inc.
13.07.2016	Maria	(72) TITTERINGTON, Don
13.07.2016	(31) 2014345	WANG, Patricia
09.08.2016	(32) 24.02.2015	WU, Bo
28.04.2017	(33) Netherlands	(31) 201462007631 P
28.04.2017	(51) B41J 29/393	(32) 04.06.2014
(33) Japan	G06F 3/12	(33) United States of America
Japan	G06K 15/00	<hr/>
Japan	G06K 15/02	(51) B41M 5/327
Japan	(11) EP2796296	B41M 5/333
Japan	(21) EP12860615.9	B41M 5/337
Japan	(47) 07.10.2020	(11) EP3374195
Japan	(87) CN2012083196	(21) EP16793886.9
Japan	27.06.2013	(47) 07.10.2020
Japan	(22) 19.10.2012	(87) EP2016077088
Japan	(54) IMAGE FORMATION SYSTEM	18.05.2017
<hr/>	AND DEVICE, CONTROL METHOD	(22) 09.11.2016
(51) B41J 11/70		(54) HEAT-SENSITIVE RECORDING
B41J 13/10		MATERIAL
B41J 15/04		(73) Papierfabrik August Koehler SE
(11) EP2927006		(72) HORN, Michael
(21) EP15156633.8		KESKE, Jürgen
(47) 07.10.2020		FRITZ, Dietmar
(22) 25.02.2015		(31) 102015119428

(32) 11.11.2015	C25D 1/00	(31) 102014009074
(33) Germany	G04B 45/00	(32) 18.06.2014
(51) B42D 25/373	(11) EP3168058	(33) Germany
B42D 25/435	(21) EP16194755.1	(51) B60B 19/00
(11) EP3501841	(47) 07.10.2020	B60B 33/00
(21) EP18000985.4	(22) 20.10.2016	B60B 33/08
(47) 07.10.2020	(54) METHOD FOR MANUFACTURING A	B62D 55/02
(22) 19.12.2018	METAL PART WITH AT LEAST ONE	B62D 55/265
(54) FILM SECURITY ELEMENT AND	OPTICAL ILLUSION PATTERN	F16L 55/32
METHOD OF MANUFACTURING SAME	(73) Nivarox-FAR S.A.	F16L 101/30
(73) Giesecke+Devrient Currency Technology	(72) Cusin, Pierre	G01N 33/00
GmbH	Gandelhman, Alex	(11) EP3377799
(72) Fuhse, Christian	Musy, Michel	(21) EP16798458.2
(31) 102017011916	(31) 15194158	(47) 07.10.2020
(32) 21.12.2017	(32) 11.11.2015	(87) EP2016077861
(33) Germany	(33) European Patent Office (EPO)	26.05.2017
(51) B43K 19/02	(51) B60B 3/10	(22) 16.11.2016
B43K 19/18	B60B 7/04	(54) PIPELINE INSPECTION ROBOT
C09D 13/00	B60B 7/06	(73) National Grid Gas Plc.
(11) EP3234044	B60B 7/14	(72) CICHOSZ, Rafal
(21) EP15823640.6	B60B 19/10	WHITE, John
(47) 07.10.2020	(11) EP3380337	PRICE, Tom
(87) FR2015053467	(21) EP16801491.8	BARKER, Chris
23.06.2016	(47) 07.10.2020	(31) 201520462
(22) 14.12.2015	(87) EP2016078866	(32) 20.11.2015
(54) PAPER PENCIL LEAD	01.06.2017	(33) United Kingdom
(73) Conte	(22) 25.11.2016	(51) B60B 27/00
(72) CLAPIEN, Frédéric	(54) VEHICLE WHEEL WITH COVER	B60G 3/26
GOUEREC, Julien	ELEMENTS FOR THE SPACES	B60G 17/027
LEFEBVRE, Philippe	BETWEEN SPOKES	B60G 21/073
(31) 1462662	(73) Bayerische Motoren Werke	B62D 7/18
(32) 17.12.2014	Aktiengesellschaft	(11) EP3369592
(33) France	(72) SCHOLZ, Hubert	(21) EP18157928.5
(51) B44C 1/17	FAUSER, Markus	(47) 07.10.2020
(11) EP3305545	RUDERER, Matthias	(22) 21.02.2018
(21) EP15894062.7	(31) 102015223386	(54) VEHICLE WITH ANTIROLL DEVICE
(47) 07.10.2020	(32) 26.11.2015	FOR CHASSIS STABILIZATION
(87) JP2015005903	(33) Germany	(73) Weiss, Wolfgang
08.12.2016	(51) B60B 3/16	(72) Weiss, Wolfgang
(22) 27.11.2015	B60B 23/06	(31) 102017104309
(54) FILM FOR IN-MOLD MOLDING, IN-	F16B 39/08	(32) 01.03.2017
MOLD MOLDED ARTICLE, AND	F16B 39/16	(33) Germany
METHOD FOR PRODUCING IN-MOLD	(11) EP3224490	(51) B60C 1/00
MOLDED ARTICLE	(21) EP15863091.3	B60C 11/00
(73) Panasonic Intellectual Property	(47) 07.10.2020	C08L 7/00
Management Co., Ltd.	(87) AU2015000706	C08L 9/00
(72) SHIBATA, Gakuei	02.06.2016	(11) EP3524639
KANEUCHI, Kazuhiko	(22) 23.11.2015	(21) EP18155547.5
(31) 2015113544	(54) WHEEL NUT ASSEMBLY	(47) 07.10.2020
(32) 04.06.2015	(73) Ferman, Michael	(22) 07.02.2018
(33) Japan	(72) Ferman, Michael	(54) VEHICLE TYRES
(51) B44C 1/24	(31) 2014904781	(73) Continental Reifen Deutschland GmbH
B44C 5/04	(32) 26.11.2014	(72) Weber, Christian
E04F 15/02	(33) Australia	Kendziorra, Norbert
(11) EP3578382	(51) B60B 5/02	(51) B60C 1/00
(21) EP18176817.7	B60B 21/00	C01F 7/02
(47) 07.10.2020	B60B 21/12	C08K 3/22
(22) 08.06.2018	(11) EP3157758	C08K 3/36
(54) METHOD FOR REFINING A BUILDING	(21) EP15723840.3	C08L 9/00
PANEL	(47) 07.10.2020	C08L 9/06
(73) Flooring Technologies Ltd.	(87) EP2015001005	(11) EP3575356
(72) Braun, Roger	23.12.2015	(21) EP19171178.7
Oldorff, Frank	(22) 15.05.2015	(47) 07.10.2020
Lehnhoff, Ingo	(54) RIM FOR A VEHICLE WHEEL, IN	(22) 25.04.2019
Kalwa, Norbert	PARTICULAR FOR A MOTOR VEHICLE	(54) RUBBER COMPOSITION FOR TYRE
Klupsch, Rüdiger	WHEEL	TREAD
(51) B44F 7/00	(73) Audi AG	(73) Sumitomo Rubber Industries, Ltd.
	(72) KUNSCH, Peter	

(72) ITO, Hiroshi	(32) 31.10.2016	(54) PNEUMATIC TIRE
(31) 2018102382	(33) World Intellectual Property Office (WIPO)	(73) Continental Reifen Deutschland GmbH
(32) 29.05.2018	(51) B60C 3/06	(72) RITTWEGGER, Stefan
(33) Japan	B60C 11/03	(31) 102016221429
(51) B60C 1/00	B60C 19/00	(32) 01.11.2016
C08K 3/36	(11) EP3509874	(33) Germany
C08L 7/00	(21) EP17758189.9	(51) B60C 11/03
C08L 9/00	(47) 07.10.2020	B60C 11/04
C08L 23/24	(87) EP2017071796	B60C 11/12
C08L 47/00	15.03.2018	B60C 11/13
(11) EP3575107	(22) 30.08.2017	(11) EP3492283
(21) EP19176666.6	(54) TIRE WITH ASYMMETRIC SCULPTURE	(21) EP18207946.7
(47) 07.10.2020	ELEMENTS AND OFF-CENTER NOISE	(47) 07.10.2020
(22) 27.05.2019	DAMPERS	(22) 23.11.2018
(54) RUBBER COMPOSITION FOR TIRES	(73) Compagnie Générale des	(54) TIRE TREAD COMPRISING A
AND PNEUMATIC TIRE	Etablissements Michelin	STABILIZER STRUCTURE
(73) Sumitomo Rubber Industries, Ltd.	(72) GRECO, Mathieu	(73) The Goodyear Tire & Rubber Company
(72) YOSHIOKA, Mikako	NOTIN, Patrice	(72) JONES, Ashley Amanda
SAWAKI, Haruko	(31) 1658287	GUILFORD, John Stephen
MABUCHI, Takahiro	(32) 07.09.2016	BECKER, Derek John
(31) 2018102587	(33) France	(31) 201715828541
(32) 29.05.2018	(51) B60C 9/18	(32) 01.12.2017
(33) Japan	B60C 11/03	(33) United States of America
(51) B60C 1/00	(11) EP3466723	(51) B60C 11/03
C08L 7/00	(21) EP17802938.5	B60C 11/11
(11) EP3017961	(47) 07.10.2020	B60C 11/12
(21) EP15162884.9	(87) JP2017019797	(11) EP3375639
(47) 07.10.2020	30.11.2017	(21) EP16864369.0
(22) 09.04.2015	(22) 26.05.2017	(47) 07.10.2020
(54) PNEUMATIC TYRES FOR A VEHICLE	(54) HEAVY LOAD TIRE	(87) JP2016083578
(73) Continental Reifen Deutschland GmbH	(73) Bridgestone Corporation	18.05.2017
(72) Rodrigues, Pedro-Nuno	(72) HASEGAWA Tomoo	(22) 11.11.2016
Dahlke, Markus	(31) 2016106223	(54) TIRE
(31) 102014211944	(32) 27.05.2016	(73) Bridgestone Corporation
(32) 23.06.2014	(33) Japan	(72) ODA, Akinori
(33) Germany	(51) B60C 9/22	KAJIYAMA, Yuji
(51) B60C 1/00	B60C 15/06	OKADA, Junichi
C08L 7/00	(11) EP3653401	(31) 2015221874
C08L 9/00	(21) EP19202955.1	(32) 12.11.2015
C08L 23/26	(47) 07.10.2020	(33) Japan
C08L 47/00	(22) 14.10.2019	(51) B60C 11/03
(11) EP3575355	(54) PNEUMATIC TYRE	B60C 11/11
(21) EP19176707.8	(73) SUMITOMO RUBBER INDUSTRIES,	B60C 11/12
(47) 07.10.2020	LTD.	(11) EP3375640
(22) 27.05.2019	(72) TSUKAMOTO, Kimikazu	(21) EP16864371.6
(54) RUBBER COMPOSITION FOR TIRES	(31) 2018213105	(47) 07.10.2020
AND PNEUMATIC TIRE	(32) 13.11.2018	(87) JP2016083580
(73) Sumitomo Rubber Industries, Ltd.	(33) Japan	18.05.2017
(72) YOSHIOKA, Mikako	(51) B60C 11/03	(22) 11.11.2016
YOKOYAMA, Yuka	(11) EP3263367	(54) TIRE
SAWAKI, Haruko	(21) EP17173864.4	(73) Bridgestone Corporation
MABUCHI, Takahiro	(47) 07.10.2020	(72) ODA, Akinori
(31) 2018102589	(22) 01.06.2017	KAJIYAMA, Yuji
(32) 29.05.2018	(54) PNEUMATIC TIRE	(31) 2015221896
(33) Japan	(73) Sumitomo Rubber Industries, Ltd.	(32) 12.11.2015
(51) B60C 1/00	(72) SATO, Takuya	(33) Japan
C08L 15/00	(31) 2016131874	(51) B60C 11/03
(11) EP3532312	(32) 01.07.2016	B60C 11/11
(21) EP17800627.6	(33) Japan	B60C 11/12
(47) 07.10.2020	(51) B60C 11/03	(11) EP3375641
(87) JP2017039235	B60C 11/04	(21) EP16864372.4
03.05.2018	(11) EP3535138	(47) 07.10.2020
(22) 31.10.2017	(21) EP17757514.9	(87) JP2016083581
(54) A TIRE COMPRISING A TREAD	(47) 07.10.2020	18.05.2017
(73) Compagnie Générale des	(87) EP2017071065	(22) 11.11.2016
Etablissements Michelin	11.05.2018	(54) TIRE
(72) SAKURADA, Tomoya	(22) 22.08.2017	(73) Bridgestone Corporation
(31) PCT/JP2016/082280		(72) ODA, Akinori

KAJIYAMA, Yuji	Japan	(73) Compagnie Générale des Etablissements Michelin
(31) 2015221898	(51) B60C 11/03	(72) MERINO LOPEZ, José
(32) 12.11.2015	B60C 11/12	WIEL, Pierre
(33) Japan	(11) EP3466726	(31) 1662894
(51) B60C 11/03	(21) EP18190372.5	(32) 20.12.2016
B60C 11/11	(47) 07.10.2020	(33) France
B60C 11/12	(22) 23.08.2018	(51) B60C 15/04
B60C 11/13	(54) TIRE	(11) EP3287302
(11) EP3375637	(73) SUMITOMO RUBBER INDUSTRIES, LTD.	(21) EP17186533.0
(21) EP16864366.6	(72) TANAKA, Kouichirou	(47) 07.10.2020
(47) 07.10.2020	(31) 2017195299	(22) 17.08.2017
(87) JP2016083573	(32) 05.10.2017	(54) PNEUMATIC TIRE
18.05.2017	(33) Japan	(73) Sumitomo Rubber Industries, Ltd.
(22) 11.11.2016	(51) B60C 11/03	(72) ISAKA, Wataru
(54) TIRE	B60C 11/12	(31) 2016162153
(73) Bridgestone Corporation	B60C 11/13	(32) 22.08.2016
(72) ODA, Akinori	(11) EP3564047	(33) Japan
KAJIYAMA, Yuji	(21) EP19169950.3	(51) B60D 1/00
(31) 2015221867	(47) 07.10.2020	B60D 1/167
(32) 12.11.2015	(22) 17.04.2019	B60D 1/54
(33) Japan	(54) TYRE	(11) EP3002135
(51) B60C 11/03	(73) Sumitomo Rubber Industries, Ltd.	(21) EP15002910.6
B60C 11/11	(72) OSAWA, Eiki	(47) 07.10.2020
B60C 11/12	KOBAYASHI, Yukako	(22) 02.04.2012
B60C 11/13	FUJITA, Masayuki	(54) TOWING ASSEMBLY
(11) EP3470243	(31) 2018088298	(73) Defense Products and Services Group, Inc.
(21) EP17813321.1	2018132541	(72) Helland, Chad, Leighton
(47) 07.10.2020	(32) 01.05.2018	Fincher, Charles Kenneth
(87) JP2017021861	12.07.2018	Elhardt, Paul, Michael
21.12.2017	(33) Japan	Smith, Ellis, J.
(22) 13.06.2017	Japan	(31) 201113076520
(54) TIRE	(51) B60C 11/12	(32) 31.03.2011
(73) Bridgestone Corporation	(11) EP3543038	(33) United States of America
(72) HIRAISHI Tomohiro	(21) EP18206708.2	(51) B60D 1/06
(31) 2016117229	(47) 07.10.2020	B60D 1/62
(32) 13.06.2016	(22) 16.11.2018	(11) EP3127725
(33) Japan	(54) TIRE HAVING V-SHAPED KERFS	(21) EP16180963.7
(51) B60C 11/03	(73) Hankook Tire Co., Ltd.	(47) 07.10.2020
B60C 11/11	(72) BYEON, Jae Surb	(22) 25.07.2016
B60C 11/12	KOOG, Ha Eun	(54) TRAILER COUPLING
B60C 11/13	(31) 20180033565	(73) ACPS Automotive GmbH
(11) EP3611037	(32) 23.03.2018	(72) Burkhardt, Volker
(21) EP19188369.3	(33) Korea (Republic)	Gentner, Wolfgang
(47) 07.10.2020	(51) B60C 11/16	Noatsch, Bernd
(22) 25.07.2019	(11) EP3538384	(31) 102015112741
(54) TYRE FOR RUNNING ON ROUGH TERRAIN	(21) EP17762057.2	(32) 03.08.2015
(73) Sumitomo Rubber Industries, Ltd.	(47) 07.10.2020	(33) Germany
(72) HIKITA, Masahiro	(87) EP2017071062	(51) B60D 1/24
(31) 2018153648	17.05.2018	B60D 1/26
(32) 17.08.2018	(22) 22.08.2017	(11) EP3504072
(33) Japan	(54) VEHICLE TIRE	(21) EP17751762.0
(51) B60C 11/03	(73) Continental Reifen Deutschland GmbH	(47) 07.10.2020
B60C 11/12	(72) SCHLITTENHARD, Jan	(87) EP2017070569
(11) EP3450210	(31) 102016221854	01.03.2018
(21) EP18190393.1	(32) 08.11.2016	(22) 14.08.2017
(47) 07.10.2020	(33) Germany	(54) COUPLING DEVICE
(22) 23.08.2018	(51) B60C 13/02	(73) Scharmüller, Josef
(54) PNEUMATIC RADIAL TIRE	(11) EP3558721	Scharmüller, Josef, jun.
(73) SUMITOMO RUBBER INDUSTRIES, LTD.	(21) EP17828968.2	Scharmüller, Christine
SUMITOMO RUBBER INDUSTRIES, LTD.	(47) 07.10.2020	(72) Scharmüller, Josef
(72) IKEDA, Ryota	(87) FR2017053676	Scharmüller, Josef, jun.
NAKAYAMA, Hiroyuki	28.06.2018	Scharmüller, Christine
(31) 2017165937	(22) 19.12.2017	(31) 507602016
2018135187	(54) TYRE RESISTANT TO CHEMICAL ATTACK	(32) 24.08.2016
(32) 30.08.2017		(33) Austria
18.07.2018		
(33) Japan		

(51) B60D 1/56	(47) 07.10.2020	(11) EP3279017
B60D 1/60	(87) JP2017026144	(21) EP16465524.3
(11) EP3341227	25.01.2018	(47) 07.10.2020
(21) EP16836649.0	(22) 19.07.2017	(22) 05.08.2016
(47) 07.10.2020	(54) SUSPENSION APPARATUS AND	(54) HEAT PROTECTION DEVICE FOR A
(87) CN2016095669	VEHICLE EQUIPPED WITH SAME	VEHICLE
23.02.2017	(73) Yamaha Hatsudoki Kabushiki Kaisha	(73) Continental Automotive GmbH
(22) 17.08.2016	(72) SUZUKI Kazuo	(72) Homutescu, Adrian
(54) COVER PLATE ASSEMBLY IN	INOUE Yoichiro	<hr/>
DRAWER STRUCTURE	(31) 2016142589	(51) B60H 1/00
(73) Compagnie Plastic Omnium	(32) 20.07.2016	F16B 2/20
Yanfeng Plastic Omnium Automotive	(33) Japan	F24F 13/20
Exterior Systems Co., Ltd.	<hr/>	(11) EP3353000
(72) FENG, Liangjun	(51) B60G 21/055	(21) EP16741861.5
SU, Jiangang	B62D 65/02	(47) 07.10.2020
MA, Zhongyu	B62D 65/12	(87) EP2016001268
(31) 201510514909	(11) EP3152073	30.03.2017
(32) 20.08.2015	(21) EP15732300.7	(22) 20.07.2016
(33) China	(47) 07.10.2020	(54) HOUSING CONNECTING DEVICE FOR
<hr/>	(87) FR2015051237	CONNECTING HOUSING SECTIONS
(51) B60G 3/01	10.12.2015	OR HOUSING MODULES OF
B62D 7/02	(22) 11.05.2015	VENTILATION OR AIR-CONDITIONING
B62D 7/04	(54) PROCESS FOR THE AUTOMATED	SYSTEMS
B62D 7/20	FIXATION OF A MOUNTING BRACKET	(73) Systemair AB
B62D 11/20	FOR A STABILIZER BAR OF A MOTOR	(72) BERGMAN, Johnny
E01C 23/088	VEHICLE, WITH THE HELP OF A	SORVOJA, Raine
E01C 23/12	SUPPORT COUPLED TO A ROBOT	OYSTEIN, Amdal
(11) EP3431660	(73) PSA Automobiles SA	SALO, Daniel
(21) EP17765817.6	(72) LEGRAND, Francois Noel	YILMAZ, Orkun
(47) 07.10.2020	(31) 1454997	BERGER, Ralph
(87) CN2017076579	(32) 03.06.2014	SONNEK, Rafael
21.09.2017	(33) France	STONCIUS, Tomas
(22) 14.03.2017	<hr/>	SONDERGAARD HANSEN, Thomas
(54) PAVEMENT MILLING MACHINE	(51) B60H 1/00	BANG, Ulf
(73) Dynapac (China) Compaction & Paving	(11) EP3504074	BIJMANS, Andy
Equipment Co. Ltd.	(21) EP17751374.4	KIEVITS, Peter
(72) ZHANG, Biao	(47) 07.10.2020	(31) 102015012407
CHEN, Jixue	(87) EP2017070071	(32) 24.09.2015
XU, Tingjian	01.03.2018	(33) Germany
(31) 201610150576	(22) 08.08.2017	<hr/>
(32) 16.03.2016	(54) METHOD FOR CONTROLLING AN	(51) B60H 1/22
(33) China	HVAC SYSTEM OF A VEHICLE	F23M 5/08
<hr/>	(73) Volkswagen Aktiengesellschaft	F24H 9/02
(51) B60G 7/00	(72) ALBRECHT, Jan-Christoph	(11) EP3447378
B60G 17/015	WACHSMUTH, Carsten	(21) EP18187972.7
B62D 7/14	(31) 102016215886	(47) 07.10.2020
B62D 9/04	(32) 24.08.2016	(22) 08.08.2018
B62D 17/00	(33) Germany	(54) VEHICLE HEATING DEVICE
(11) EP3172068	<hr/>	(73) Eberspächer Climate Control Systems
(21) EP15734071.2	(51) B60H 1/00	GmbH
(47) 07.10.2020	B60H 1/34	(72) Schlör, Christof
(87) EP2015001344	B60K 37/06	(31) 102017119077
04.02.2016	F24F 13/14	(32) 21.08.2017
(22) 02.07.2015	(11) EP3448700	(33) Germany
(54) DEVICE FOR ADJUSTING CAMBER	(21) EP17705311.3	<hr/>
AND/OR TOE OF A VEHICLE WHEEL	(47) 07.10.2020	(51) B60H 1/22
(73) Audi AG	(87) EP2017000206	F24H 1/00
(72) KLINGER, Thomas	02.11.2017	F24H 1/14
POURROY-SOLARI, Vincent	(22) 14.02.2017	F24H 9/00
(31) 102014011193	(54) VENTILATION DEVICE FOR A MOTOR	F28D 7/00
(32) 26.07.2014	VEHICLE AND ASSOCIATED MOTOR	F28D 7/16
(33) Germany	VEHICLE	F28F 9/22
<hr/>	(73) Audi AG	F28F 13/00
(51) B60G 17/015	(72) WUNDERLICH, Matthias	F28F 13/06
B60G 17/016	(31) 102016004992	F28F 19/02
B60G 17/08	(32) 25.04.2016	H05B 3/02
B62K 25/04	(33) Germany	H05B 3/14
F16F 15/00	<hr/>	H05B 3/44
F16F 15/02	(51) B60H 1/00	(11) EP2562485
(11) EP3489048	B60W 30/06	(21) EP12181753.0
(21) EP17831056.1	G08G 1/14	(47) 07.10.2020
	G08G 1/16	

(22) 24.08.2012	F16B 21/16	(87) KR2013007271
(54) Media heater	(11) EP3636474	30.05.2014
(73) HOMAG GmbH	(21) EP19201772.1	(22) 13.08.2013
(72) Müller, Helmut	(47) 07.10.2020	(54) INPUT SYNTHESIS GEAR SYSTEM
Giffels, Thomas	(22) 07.10.2019	(73) Hycore Co., Ltd.
(31) 102011111606	(54) LOCKING DEVICE, IN PARTICULAR	(72) PARK, Dong Hyun
(32) 25.08.2011	DEVICE FOR STORING A BREATHING	LEE, Ho Yul
(33) Germany	MASK INTENDED FOR SUPPLYING	(31) 20120132386
(51) B60H 1/32	OXYGEN IN AN AIRCRAFT AND	20130095250
F04B 35/04	OXYGEN SUPPLY SYSTEM	(32) 21.11.2012
F04B 39/10	(73) Zodiac Aerotechnics	12.08.2013
F04B 49/02	(72) NALY, Charles	(33) Korea (Republic)
F04B 49/03	BRUIANT CHRYSOSTOM, Benoit	Korea (Republic)
F04B 49/06	FROMAGE, Matthieu	(51) B60K 6/00
F04B 49/08	KLOCKIEWICZ, Florian	F01N 1/00
F04B 49/20	(31) 1859490	F01N 1/08
F16K 17/04	(32) 12.10.2018	F01N 1/18
F25B 31/00	(33) France	F01N 5/04
F25B 41/04	(51) B60K 1/00	F01N 9/00
F25B 49/02	B60K 17/35	F02B 17/00
(11) EP2855936	B60W 10/02	F02B 33/40
(21) EP13727113.6	B60W 10/08	F02B 37/00
(47) 07.10.2020	B60W 50/00	F02B 37/10
(87) EP2013061203	B60W 30/186	F02B 37/12
05.12.2013	(11) EP3489057	F02B 39/10
(22) 30.05.2013	(21) EP18206448.5	F02B 41/00
(54) SAFETY DEVICE FOR A	(47) 07.10.2020	F02B 41/10
COMPRESSOR OF A COOLANT FLUID	(22) 15.11.2018	F02D 41/00
CIRCUIT	(54) METHOD FOR CONTROLLING A	(11) EP3348819
(73) Valeo Systemes Thermiques	DRIVE SYSTEM FOR AT LEAST ONE	(21) EP18152188.1
(72) LIU, Jin Ming	AXLE OF A MOTOR VEHICLE	(47) 07.10.2020
DELAFORGE, Laurent	(73) GKN Automotive Ltd.	(22) 17.01.2018
(31) 1201576	(72) Ruiters, Volker René	(54) METHOD TO CONTROL AN
(32) 01.06.2012	Kaiser, Gerd	ELECTRICALLY-OPERATED
(33) France	Fitz, Rudolf	TURBOCHARGER IN A
(51) B60H 1/32	Blaj, Emanuel	SUPERCHARGED INTERNAL
F25D 19/00	Sontheim, Florian	COMBUSTION ENGINE
F25D 29/00	Cordero, Enrique	(73) FERRARI S.p.A.
(11) EP3292008	Bruening, Rainer	(72) FAVARETTO, Fabrizio
(21) EP15774674.4	(31) 102017127816	(31) 201700004557
(47) 07.10.2020	(32) 24.11.2017	(32) 17.01.2017
(87) IB2015000847	(33) Germany	(33) Italy
10.11.2016	(51) B60K 1/00	(51) B60K 6/40
(22) 07.05.2015	F16H 3/00	B60K 6/48
(54) EVAPORATOR CONNECTION BOX	(11) EP3406473	(11) EP2311680
(73) Carrier Corporation	(21) EP18163257.1	(21) EP10186961.8
(72) VAAS, Philippe Thierry	(47) 07.10.2020	(47) 07.10.2020
(51) B60J 7/02	(22) 22.03.2018	(22) 08.10.2010
B60J 7/053	(54) AXLE DRIVE DEVICE FOR A MOTOR	(54) Drive unit for a hybrid vehicle
(11) EP3141411	VEHICLE AND METHOD FOR	(73) ZF Friedrichshafen AG
(21) EP16183845.3	OPERATING SAME	(72) Ebert, Angelika
(47) 07.10.2020	(73) AUDI AG	Großpietsch, Wolfgang
(22) 11.08.2016	(72) Vollmer, Frank	Reiser, Robert
(54) RETRACTABLE ROOF SYSTEM FOR A	Brunner, Johannes	Bertels, Heinz
MOTOR VEHICLE	Störmer, Markus	Ratte, Andreas
(73) BOS GmbH & Co. KG	Jäggle, Karl	Markow, Alexander
(72) Heidan, Michael	Hoffmann, Thomas	(31) 102009045727
(31) 102015010797	(31) 102017208633	(32) 15.10.2009
102016201576	(32) 22.05.2017	(33) Germany
(32) 21.08.2015	(33) Germany	(51) B60K 7/00
02.02.2016	(51) B60K 1/02	B60K 17/04
(33) Germany	B60K 7/00	B60K 17/354
Germany	B60W 10/04	B60K 17/356
(51) B60J 7/185	F16H 37/08	B60L 7/18
B60J 7/19	B62M 6/55	B60L 15/20
E05B 47/00	(11) EP2924317	B60W 10/02
E05B 51/00	(21) EP13857283.9	B60W 10/08
F16B 1/00	(47) 07.10.2020	B60K 6/44

B60K 6/48	(54) DEVICE FOR SEALING A FRONT-END	(72) HELLHOLM, Björn
B60K 6/52	AIR INTAKE OF A MOTOR VEHICLE	SÖDERSTRÖM, Gustav
B60W 20/10	(73) Valeo Systemes Thermiques	(31) 0950530
(11) EP3401156	(72) VACCA, Frédéric	(32) 07.07.2009
(21) EP17774979.3	THULLIER, Christophe	(33) Sweden
(47) 07.10.2020	(31) 1555917	(51) B60K 17/356
(87) JP2017012465	(32) 26.06.2015	B62D 53/02
05.10.2017	(33) France	B62D 55/065
(22) 27.03.2017	(51) B60K 15/03	(11) EP3498516
(54) DRIVE DEVICE	B62D 29/00	(21) EP18212314.1
(73) Honda Motor Co., Ltd.	B29C 67/00	(47) 07.10.2020
(72) KONISHI Yoshiaki	(11) EP2801512	(22) 06.07.2010
SAKAGUCHI Yusuke	(21) EP13166917.8	(54) ARTICULATED TRACKED VEHICLE
(31) 2016067853	(47) 07.10.2020	(73) Bae Systems Hägglunds Aktiebolag
(32) 30.03.2016	(22) 07.05.2013	(72) HELLHOLM, Björn
(33) Japan	(54) Composite structure with functional	SÖDERSTRÖM, Gustav
(51) B60K 7/00	structure manufactured in a generative	(31) 0950530
B60L 15/20	manner	(32) 07.07.2009
(11) EP3020598	(73) EDAG Engineering GmbH	(33) Sweden
(21) EP14822755.6	Fraunhofer-Gesellschaft zur Förderung	(51) B60K 17/356
(47) 07.10.2020	der angewandten Forschung e.V.	B62D 53/02
(87) JP2014067789	(72) Hillebrecht, Martin	B62D 55/065
15.01.2015	Reul, Wolfgang	(11) EP3482991
(22) 03.07.2014	Barckmann, Johannes	(21) EP18205073.2
(54) SLIP CONTROL DEVICE FOR	Emmelmann, Claus	(47) 07.10.2020
ELECTRIC VEHICLE	(51) B60K 17/16	(22) 06.07.2010
(73) NTN Corporation	B60K 17/36	(54) ARTICULATED TRACKED VEHICLE
(72) ZHANG, Yingjie	F16C 35/077	(73) Bae Systems Hägglunds Aktiebolag
OKADA, Koichi	F16H 48/42	(72) HELLHOLM, Björn
UCHIYAMA, Naoyuki	(11) EP3453555	SÖDERSTRÖM, Gustav
(31) 2013142303	(21) EP18186968.6	(31) 0950530
2014057453	(47) 07.10.2020	(32) 07.07.2009
(32) 08.07.2013	(22) 02.08.2018	(33) Sweden
20.03.2014	(54) AXLE ASSEMBLY HAVING A DRIVE	(51) B60K 23/08
(33) Japan	PINION ASSEMBLY	B60W 10/119
Japan	(73) ArvinMeritor Technology, LLC	(11) EP3036123
(51) B60K 11/02	(72) ANNIGERI, Aniruddh	(21) EP14756014.8
B60K 13/04	HAYES, Brian	(47) 07.10.2020
B60K 15/00	GARCIA, Pedro	(87) EP2014067656
B60K 15/03	MARTIN, Robert	26.02.2015
C01B 3/08	(31) 201715684056	(22) 19.08.2014
F01N 3/02	(32) 23.08.2017	(54) DRIVELINE AND METHOD OF
F01N 3/04	(33) United States of America	CONTROLLING A DRIVELINE
F01N 5/02	(51) B60K 17/34	(73) Jaguar Land Rover Limited
F02B 43/10	B60K 17/356	(72) CLARKE, Richard
F02M 25/12	F16H 47/02	STARES, Pete
(11) EP3025891	(11) EP3253609	(31) 201314795
(21) EP13890244.0	(21) EP16703589.8	(32) 19.08.2013
(47) 07.10.2020	(47) 07.10.2020	(33) United Kingdom
(87) RU2013000627	(87) FR2016050110	(51) B60K 23/08
29.01.2015	11.08.2016	B60W 10/20
(22) 22.07.2013	(22) 20.01.2016	B60W 10/22
(54) CAR RUN ON HYDROGEN WITHOUT	(54) TRANSMISSION SYSTEM WITH	B60W 50/00
HYDROGEN ON BOARD	HYDRAULIC MODULE	B60W 10/10
(73) HyTRIB Corporation GmbH	(73) Renault S.A.S.	B60W 10/119
Khovanskiy, Viacheslav Nikolaevich	(72) DUFFOUR, Nicolas	B60W 10/12
(72) KHOVANSKIY, Viacheslav Nikolaevich	(31) 1550949	B60W 10/14
BUROV, Alexandr Leonidovich	(32) 06.02.2015	B60W 10/16
KOZLYAKOV, Vyacheslav Vasilievich	(33) France	B60W 10/18
TERESCHUK, Valerij Sergeevich	(51) B60K 17/356	B60W 10/184
KHAYRI, Azat Khasanovich	B62D 53/02	B60W 30/02
(51) B60K 11/08	B62D 55/065	B60W 30/045
(11) EP3313681	(11) EP3495185	B60W 30/18
(21) EP16728878.6	(21) EP18212308.3	B60W 30/182
(47) 07.10.2020	(47) 07.10.2020	(11) EP3221173
(87) EP2016062424	(22) 06.07.2010	(21) EP15797310.8
29.12.2016	(54) ARTICULATED TRACKED VEHICLE	(47) 07.10.2020
(22) 01.06.2016	(73) Bae Systems Hägglunds Aktiebolag	(87) EP2015076982

26.05.2016	(32) 16.06.2015	(51) B60K 31/04
(22) 18.11.2015	(33) Germany	B60W 30/14
(54) CONTROL SYSTEM AND METHOD OF CONTROLLING A DRIVELINE	(51) B60K 28/00	G01R 31/00
(73) Jaguar Land Rover Limited	B60K 28/02	G01R 31/327
(72) BURT, Sam	B60K 28/06	B60W 50/02
HARRIES, Christopher	G06K 9/00	F16H 61/12
CLARKE, Richard	G08B 21/06	B60W 50/08
(31) 201420544	G08G 1/16	B60W 50/14
(32) 19.11.2014	B60W 40/08	(11) EP3177937
(33) United Kingdom	B60W 40/09	(21) EP14755945.4
(51) B60K 25/02	B60W 40/10	(47) 07.10.2020
B60W 10/06	B60W 40/114	(87) US2014050266
B60W 10/30	(11) EP2701134	11.02.2016
E02F 9/20	(21) EP11863711.5	(22) 08.08.2014
F02D 29/00	(47) 07.10.2020	(54) DYNAMIC STUCK SWITCH MONITORING
F02D 29/04	(87) JP2011059544	(73) Robert Bosch GmbH
F16H 3/66	26.10.2012	(72) SHAH, Ankit
F16H 3/72	(22) 18.04.2011	CHANDA, Hirak
B60K 6/28	(54) DRIVER CONDITION ASSESSMENT DEVICE	(51) B60K 35/00
B60K 6/445	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(11) EP3507124
B60K 6/50	(72) SASAKI Shotaro	(21) EP17748478.9
B60K 6/547	(51) B60K 31/00	(47) 07.10.2020
B60W 20/00	B60W 10/06	(87) EP2017069624
(11) EP2993098	B60W 10/30	08.03.2018
(21) EP14878674.2	B60W 30/14	(22) 03.08.2017
(47) 07.10.2020	B60W 50/00	(54) METHOD FOR CONTROLLING A DISPLAY APPARATUS FOR A MOTOR VEHICLE, AND MOTOR VEHICLE HAVING A DISPLAY APPARATUS
(87) JP2014083411	G01C 21/00	(73) Audi AG
23.07.2015	G05D 1/00	(72) HÉLOT, Jacques
(22) 17.12.2014	B60W 30/188	MERTENS, Joris
(54) WORK VEHICLE, AND WORK VEHICLE CONTROL METHOD	G05D 1/02	(31) 102016216415
(73) Komatsu Ltd.	(11) EP3353494	(32) 31.08.2016
(72) YAMADA, Kenichi	(21) EP17847777.4	(33) Germany
MIYAMOTO, Shunsuke	(47) 07.10.2020	(51) B60K 35/00
(31) 2014005028	(87) US2017033923	(11) EP3659847
(32) 15.01.2014	21.06.2018	(21) EP18209436.7
(33) Japan	(22) 23.05.2017	(47) 07.10.2020
(51) B60K 26/02	(54) SPEED CONTROL PARAMETER ESTIMATION METHOD FOR AUTONOMOUS DRIVING VEHICLES	(22) 30.11.2018
B60W 50/10	(73) Baidu USA LLC	(54) DISPLAY DEVICE FOR A MOTOR VEHICLE, METHOD FOR OPERATING A DISPLAY OF A MOTOR VEHICLE, CONTROL MODULE, AND MOTOR VEHICLE
(11) EP2769866	(72) LUO, Qi	(73) AUDI AG
(21) EP14156580.4	ZHU, Fan	(72) Hélot, Jacques
(47) 07.10.2020	HU, Sen	(51) B60K 35/00
(22) 25.02.2014	KONG, Qi	B60K 37/06
(54) Driver assistance system for the acceleration of a vehicle by means of an accelerator pedal	YU, Xiang	B60R 11/00
(73) Audi AG	YANG, Guang	B60R 11/02
(72) Lepczyk, Daniel	(31) 201615379345	G06F 1/16
Dietrich, Maximilian	(32) 14.12.2016	(11) EP3571082
Ringal, Johann	(33) United States of America	(21) EP17816776.3
(31) 102013003147	(51) B60K 31/00	(47) 07.10.2020
(32) 25.02.2013	B60W 30/14	(87) EP2017082716
(33) Germany	B60W 50/08	26.07.2018
(51) B60K 26/02	(11) EP2709889	(22) 13.12.2017
G05G 1/44	(21) EP12786536.8	(54) INSTRUMENT CLUSTER HAVING A DEFORMABLE DISPLAY
G05G 5/03	(47) 07.10.2020	(73) Audi AG
B60W 50/16	(87) SE2012050488	(72) HÉLOT, Jacques
(11) EP3106961	22.11.2012	MERTENS, Joris
(21) EP16001219.1	(22) 09.05.2012	REDEKER, Immo
(47) 07.10.2020	(54) DRIVER INTERACTION PERTAINING TO ECONOMICAL CRUISE CONTROL	(31) 102017200949
(22) 31.05.2016	(73) Scania CV AB	(32) 20.01.2017
(54) ACTIVE ACCELERATOR PEDAL FOR A VEHICLE	(72) JOHANSSON, Oskar	(33) Germany
(73) AUDI AG	SÖDERGREN, Maria	
(72) Lepczyk, Daniel	ROOS, Fredrik	
Oberthür, Jan	(31) 1150441	
(31) 102015007584	(32) 16.05.2011	
	(33) Sweden	

(51) B60K 35/00 B60Q 1/08 B60Q 1/50 G08G 1/005	(54) WORK DEVICE WITH AN ELECTRIC DRIVE MOTOR	(72) BRUNNER, Harald GÖBEL, Andreas KIELSTEIN, Jens
(11) EP3533665	(73) Posch, Jürgen	(31) 102012003020
(21) EP19167763.2	(72) Posch, Jürgen	(32) 15.02.2012
(47) 07.10.2020	(31) 102016012753	(33) Germany
(22) 21.02.2017	(32) 25.10.2016	(51) B60L 50/16
(54) APPARATUS THAT PRESENTS RESULT OF RECOGNITION OF RECOGNITION TARGET	(33) Germany	B60L 50/61
(73) Panasonic Intellectual Property Corporation of America	(51) B60L 3/04	B60L 58/12
(72) KOZUKA, Kazuki	H01H 31/00	(11) EP2559577
FUJIMURA, Ryota	H01H 39/00	(21) EP11768717.8
SAITO, Masahiko	(11) EP3525223	(47) 07.10.2020
FUCHIKAMI, Tetsuji	(21) EP19154101.0	(87) JP2011057930
(31) 201662306176 P	(47) 07.10.2020	20.10.2011
2016210329	(22) 29.01.2019	(22) 23.03.2011
(32) 10.03.2016	(54) PYROTECHNIC SWITCH	(54) HYBRID AUTOMOBILE
27.10.2016	(73) Volkswagen AG	(73) Mitsubishi Jidosha Kogyo Kabushiki Kaisha
(33) United States of America	(72) Deyda, Andreas	(72) NISSATO Yukihiko
Japan	(31) 102018201995	(31) 2010094391
(51) B60K 35/00	(32) 08.02.2018	(32) 15.04.2010
B60R 16/02	(33) Germany	(33) Japan
G08G 1/0962	(51) B60L 7/10	(51) B60L 53/20
(11) EP3415373	B60L 50/10	(11) EP2871090
(21) EP17750249.9	B60L 50/60	(21) EP13191822.9
(47) 07.10.2020	B60L 58/15	(47) 07.10.2020
(87) JP2017004409	B60L 58/24	(22) 06.11.2013
17.08.2017	B60L 58/26	(54) Charger for electric vehicles with distributed power converter arbitration
(22) 07.02.2017	(11) EP3206905	(73) ABB Schweiz AG
(54) INFORMATION PROVIDING DEVICE	(21) EP15794669.0	(72) Koolen, Gerardus Johannes Karel Marijke
(73) Ricoh Company, Ltd.	(47) 07.10.2020	Albers-Van-der-Linden, Jean-Pierre
(72) YAMAGUCHI, Hiroshi	(87) US2015055219	Bech, Lars Peter
SAISHO, Kenichiroh	21.04.2016	(51) B60L 53/24
KUSANAGI, Masato	(22) 13.10.2015	B60L 55/00
SUZUKI, Yuuki	(54) COOLING STRATEGY FOR BATTERY SYSTEMS	(11) EP3515749
KATAGIRI, Keita	(73) CPS Technology Holdings LLC	(21) EP17780495.2
(31) 2016023530	(72) JIN, Zhihong	(47) 07.10.2020
(32) 10.02.2016	SISK, Brian C.	(87) FR2017052553
(33) Japan	OBASIH, Kem M.	29.03.2018
(51) B60K 35/00	JOHNSON, Mark R.	(22) 22.09.2017
G02B 27/01	WYATT, Perry M.	(54) CONVERTER, CONTROLLER AND ASSOCIATED VEHICLE
G06F 3/01	ALIYEV, Timur L.	(73) IFP Energies nouvelles
(11) EP2172801	ZHANG, Zhenli	(72) MILIANI, El Hadj
(21) EP09167974.6	(31) 201462064318 P	KEFSI, Laid
(47) 07.10.2020	201462075140 P	ZEIN, Ismail
(22) 17.08.2009	201514788223	(31) 1658931
(54) Method for displaying a visual warning sign	(32) 15.10.2014	(32) 22.09.2016
(73) Robert Bosch GmbH	04.11.2014	(33) France
(72) Krautter, Wolfgang	30.06.2015	(51) B60N 2/01
Dambier, Michael	(33) United States of America	B60N 2/02
Rimini-Doering, Maria	United States of America	B60N 2/07
Manstetten, Dietrich	United States of America	B60N 2/30
(31) 102008042521	(51) B60L 15/20	(11) EP2678186
(32) 01.10.2008	B60W 10/06	(21) EP12705272.8
(33) Germany	B60W 10/08	(47) 07.10.2020
(51) B60L 1/00	B60W 50/06	(87) EP2012052618
B60L 50/15	F02D 31/00	30.08.2012
B60L 50/30	B60W 20/10	(22) 15.02.2012
B60L 50/40	(11) EP2814709	(54) MOTOR VEHICLE COMPRISING A SEAT HAVING A PIVOTABLE BACKREST
B60L 50/53	(21) EP12743892.7	(73) Renault SAS
(11) EP3315346	(47) 07.10.2020	(72) BLANC, Lionel
(21) EP17001729.7	(87) EP2012003269	TILLIER, Benoit
(47) 07.10.2020	22.08.2013	(31) 1151456
(22) 19.10.2017	(22) 01.08.2012	
	(54) CONTROL SYSTEM FOR CONTROLLING THE ROTATIONAL SPEED OF A COMBUSTION ENGINE AND AN ELECTRIC MOTOR	
	(73) Audi AG	

(32) 23.02.2011	(33) United Kingdom	(32) 11.08.2016
(33) France	(51) B60N 2/50	(33) France
(51) B60N 2/015	B60N 2/52	(51) B60N 3/00
B60N 2/07	B60N 2/54	B60R 7/04
B60N 2/08	B63B 29/04	(11) EP3496972
B60N 3/00	(11) EP3337691	(21) EP17758223.6
B60R 7/04	(21) EP16756780.9	(47) 07.10.2020
(11) EP3496974	(47) 07.10.2020	(87) FR2017052053
(21) EP17758586.6	(87) GB2016052603	15.02.2018
(47) 07.10.2020	02.03.2017	(22) 25.07.2017
(87) FR2017052052	(22) 22.08.2016	(54) CONSOLE CONVERTIBLE INTO A
15.02.2018	(54) A VEHICLE SEAT SUSPENSION	TABLE FOR AUTOMOBILE VEHICLE
(22) 25.07.2017	MECHANISM	WITH OPTIMISED SAFETY
(54) SLIDEABLE SYSTEM FOR	(73) Cobra Seats Technology Ltd	(73) PSA Automobiles SA
AUTOMOTIVE VEHICLE INTERIOR	(72) KEMP, Nicholas	(72) BALLANDRAS, Philippe
WITH IMPROVED USAGE COMFORT	DUNSFORD, Mark	DALVERNY, Nicolas
(73) PSA Automobiles SA	(31) 201514951	LOUBATIE, Pascal
(72) BALLANDRAS, Philippe	(32) 21.08.2015	(31) 1657719
DALVERNY, Nicolas	(33) United Kingdom	(32) 11.08.2016
LOUBATIE, Pascal	(51) B60N 2/58	(33) France
(31) 1657721	B60N 2/64	(51) B60N 3/00
(32) 11.08.2016	B60N 2/70	B64D 11/00
(33) France	(11) EP3463974	B64D 11/06
(51) B60N 2/02	(21) EP17724314.4	(11) EP3515822
B60N 2/07	(47) 07.10.2020	(21) EP17749794.8
(11) EP3566898	(87) DE20171100304	(47) 07.10.2020
(21) EP19169844.8	07.12.2017	(87) US2017044309
(47) 07.10.2020	(22) 13.04.2017	29.03.2018
(22) 17.04.2019	(54) BACK REST PANEL AND METHOD	(22) 28.07.2017
(54) CONTACT SYSTEM FOR ELECTRICAL	FOR PRODUCING SAME	(54) AMENITIES PANEL FOR PASSENGER
CONNECTION OF AN ELECTRICAL	(73) Ford-Werke GmbH	SEAT FOR HOLDING PASSENGER
SYSTEM OF A MOTOR VEHICLE WITH	(72) FORSTHUBER, Gerald	BELONGINGS AND DEVICES
A REMOVABLE VEHICLE SEAT OR A	JANZEN, Michael	(73) Safran Seats USA LLC
SEAT ASSEMBLY	(31) 102016109924	(72) SMITH, Josh, T.
(73) MAGNA SEATING (GEMANY) GMBH	(32) 30.05.2016	STEWART, Christopher, D.
(72) BREHM, Christoph	(33) Germany	SMITH, Jason, K.
(31) 102018207170	(51) B60N 2/70	WATERS, Kevin
(32) 08.05.2018	(11) EP3357748	MADRID, Nahum
(33) Germany	(21) EP18154056.8	(31) 201662399898 P
(51) B60N 2/14	(47) 07.10.2020	201762478969 P
B60N 3/06	(22) 30.01.2018	(32) 26.09.2016
B61D 33/00	(54) VEHICLE SEAT	30.03.2017
(11) EP3398806	(73) TOYOTA BOSHOKU KABUSHIKI	(33) United States of America
(21) EP18170842.1	KAISHA	United States of America
(47) 07.10.2020	TOYOTA JIDOSHA KABUSHIKI KAISHA	(51) B60N 3/02
(22) 04.05.2018	(72) Imai, Miki	(11) EP3321128
(54) DEVICE FOR ROTATING A SEAT,	Nishiyama, Kazushi	(21) EP17199782.8
IN PARTICULAR FOR A RAILWAY	Nishiyama, Yuji	(47) 07.10.2020
VEHICLE	Munechika, Junichi	(22) 02.11.2017
(73) ALSTOM Transport Technologies	(31) 2017017530	(54) HOLDING ROD DEVICE
(72) PAILLER, Christophe	(32) 02.02.2017	(73) Bombardier Transportation GmbH
LUGOL, Jean-Louis	(33) Japan	(72) Roche, Fabrice
FEBVRE, Julien	(51) B60N 3/00	Monarth, Andreas
(31) 1753940	B60R 7/04	(31) 102016222147
(32) 04.05.2017	(11) EP3496973	(32) 11.11.2016
(33) France	(21) EP17758224.4	(33) Germany
(51) B60N 2/28	(47) 07.10.2020	(51) B60P 1/43
B60N 2/809	(87) FR2017052054	(11) EP3290266
B60N 2/885	15.02.2018	(21) EP17186325.1
(11) EP3269587	(22) 25.07.2017	(47) 07.10.2020
(21) EP17180822.3	(54) CONSOLE CONVERTIBLE INTO	(22) 15.08.2017
(47) 07.10.2020	A TABLE FOR A VEHICLE WITH	(54) TAILBOARD DEVICE FOR ANIMAL
(22) 11.07.2017	CONVERSION MADE EASIER	TRANSPORT VEHICLES
(54) SEAT WITH A HEAD REST ASSEMBLY	(73) PSA Automobiles SA	(73) Schnurbusch, Michael
(73) Macliver, Kevin, Scott	(72) BALLANDRAS, Philippe	Schnurbusch, Anna
(72) Macliver, Kevin, Scott	DALVERNY, Nicolas	(72) Schnurbusch, Michael
(31) 201612031	LOUBATIE, Pascal	Schnurbusch, Anna
(32) 11.07.2016	(31) 1657716	(31) 102016115081

(32) 15.08.2016	F21S 41/20	(47) 07.10.2020
(33) Germany	F21S 41/24	(87) JP2017014175
(51) B60P 1/54	F21S 41/26	19.10.2017
B60P 3/41	F21S 41/265	(22) 05.04.2017
(11) EP3287315	F21S 41/27	(54) LIGHT EMITTING UNIT AND VEHICLE
(21) EP17187949.7	F21S 41/33	LAMP FITTING
(47) 07.10.2020	F21S 41/40	(73) Koito Manufacturing Co., Ltd.
(22) 25.08.2017	F21S 45/70	(72) SATO, Ryuho
(54) FOREST TRAILER	(11) EP3037716	(31) 2016080337
(73) Steindl Krantechnik Gesellschaft m.b.H.	(21) EP15201896.6	2016085829
(72) STEINDL, Georg	(47) 07.10.2020	(32) 13.04.2016
(31) 507642016	(22) 22.12.2015	22.04.2016
(32) 26.08.2016	(54) VEHICLE LIGHTING UNIT WITH	(33) Japan
(33) Austria	A LASER LIGHT SOURCE AND	Japan
(51) B60P 7/06	WAVELENGTH CONVERSION	(51) B60Q 1/26
B63B 25/24	MATERIAL	B64D 47/02
B63B 25/28	(73) Stanley Electric Co., Ltd.	B64D 47/06
F16C 7/02	(72) OWADA, Ryotaro	F21S 10/06
(11) EP3272637	(31) 2014259041	F21V 7/00
(21) EP17767978.4	(32) 22.12.2014	F21V 7/06
(47) 07.10.2020	(33) Japan	F21V 13/04
(87) KR2017002838	(51) B60Q 1/00	F21Y 103/33
19.10.2017	B60Q 1/26	F21Y 115/10
(22) 16.03.2017	B60Q 1/32	(11) EP3476745
(54) LASHING BAR FORMED OF	B60R 13/04	(21) EP17198068.3
COMPOSITE MATERIAL AND	B60R 13/06	(47) 07.10.2020
MANUFACTURING METHOD	B60J 10/00	(22) 24.10.2017
THEREFOR	B60J 10/265	(54) AIRCRAFT BEACON LIGHT AND
(73) OZ Industry co., ltd.	B60J 10/75	AIRCRAFT COMPRISING THE SAME
(72) OH, Young Hoan	F21S 45/00	(73) Goodrich Lighting Systems GmbH
(31) 20160045712	F21V 7/22	(72) Jha, Anil Kumar
(32) 14.04.2016	(11) EP3100910	(51) B60Q 1/50
(33) Korea (Republic)	(21) EP16178929.2	F21V 9/14
(51) B60Q 1/00	(47) 07.10.2020	G01C 21/36
B60Q 1/02	(22) 08.04.2014	F21S 41/135
B60R 1/00	(54) ILLUMINATED DECORATIVE STRIP	(11) EP2993389
B60R 11/02	(73) DURA Automotive Holdings U.K., Ltd.	(21) EP15002483.4
G01C 21/00	(72) STEGEMANN, Jan	(47) 07.10.2020
G01S 7/48	HUNDT, Torsten	(22) 21.08.2015
G01S 17/46	RÖHNER, Stephan	(54) METHOD FOR ILLUMINATING A
G03B 21/00	(51) B60Q 1/04	SURROUNDING OF A MOTOR
G03B 35/20	B60Q 1/20	VEHICLE, AND MOTOR VEHICLE
G08G 1/16	B60R 19/50	HEADLAMP
G01S 7/491	F21S 41/29	(73) AUDI AG
G01S 7/4911	(11) EP3178697	(72) Altinger, Harald
G02B 30/40	(21) EP15829815.8	(31) 102014013205
G02B 30/50	(47) 07.10.2020	(32) 06.09.2014
(11) EP2450736	(87) CN2015086286	(33) Germany
(21) EP10786131.2	11.02.2016	(51) B60Q 5/00
(47) 07.10.2020	(22) 06.08.2015	G10K 9/12
(87) JP2010059599	(54) FOG LAMP MOUNTING STRUCTURE	G10K 9/18
16.12.2010	(73) Compagnie Plastic Omnium	H03J 3/20
(22) 07.06.2010	Yanfeng Plastic Omnium Automotive	(11) EP1988631
(54) THREE-DIMENSIONAL INFORMATION	Exterior Systems Co., Ltd.	(21) EP06705638.2
DISPLAYING DEVICE	(72) TANG, Lingjun	(47) 07.10.2020
(73) National University Corporation Nagoya	MA, Zhongyu	(87) CN2006000217
Institute of Technology	(31) 201420439168 U	23.08.2007
(72) SATO, Jun	(32) 06.08.2014	(22) 13.02.2006
SAKAUE, Fumihiko	(33) China	(54) METHOD AND CIRCUIT OF THE
INAGAKI, Masahiko	(51) B60Q 1/068	ELECTRONIC HORN DRIVING
(31) 2009137269	F21V 29/503	SIGNAL FREQUENCY ADJUSTED BY
(32) 08.06.2009	F21V 29/70	CAPACITANCE
(33) Japan	F21Y 115/30	(73) Wan, Yu
(51) B60Q 1/00	F21S 41/16	(72) Wan, Yu
B60Q 1/08	F21S 41/39	(51) B60R 1/00
F21S 41/16	F21S 41/675	(11) EP3495205
F21S 41/176	(11) EP3444525	(21) EP18210205.3
F21S 41/19	(21) EP17782282.2	(47) 07.10.2020

(22) 04.12.2018	G06K 9/62	(87) EP2017064053
(54) IMAGE DISPLAY APPARATUS	G02F 1/15	14.12.2017
(73) Toyota Jidosha Kabushiki Kaisha	(11) EP3393854	(22) 09.06.2017
(72) SHIDOCHI, Yuka	(21) EP16879873.4	(54) BACKREST OF A VEHICLE SEAT WITH
ASAI, Goro	(47) 07.10.2020	A POCKET
SUGIHARA, Kunihiro	(87) US2016065707	(73) Volkswagen Aktiengesellschaft
(31) 2017237036	29.06.2017	(72) LINDHORST, Volker
(32) 11.12.2017	(22) 09.12.2016	(31) 102016210197
(33) Japan	(54) MIRROR ASSEMBLY INCORPORATING	(32) 09.06.2016
(51) B60R 1/00	A SCANNING APPARATUS	(33) Germany
(11) EP3539827	(73) Gentex Corporation	(51) B60R 9/10
(21) EP19167601.4	(72) WELLER, Andrew, D.	(11) EP3107763
(47) 07.10.2020	LOCK, Nigel, T.	(21) EP15707412.1
(22) 04.12.2018	(31) 201562271013 P	(47) 07.10.2020
(54) IMAGE DISPLAY APPARATUS	(32) 22.12.2015	(87) GB2015050454
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(33) United States of America	27.08.2015
(72) SHIDOCHI, Yuka	(51) B60R 3/02	(22) 17.02.2015
ASAI, Goro	B61D 23/02	(54) SUPPORT BAR AND CYCLE CARRIER
SUGIHARA, Kunihiro	(11) EP3554894	(73) C P Witter Limited
(31) 2017237036	(21) EP17797860.8	(72) DICKINSON, Martin Ian
(32) 11.12.2017	(47) 07.10.2020	(31) 201402811
(33) Japan	(87) EP2017001277	(32) 18.02.2014
(51) B60R 1/00	21.06.2018	(33) United Kingdom
B60R 1/06	(22) 03.11.2017	(51) B60R 11/02
B60R 1/10	(54) SLIDING STEP ASSEMBLY FOR A	F16M 11/04
B60R 1/12	MOTOR VEHICLE OR FOR A RAIL	F16M 11/12
B60R 11/04	VEHICLE	(11) EP2914458
H04N 5/225	(73) Knorr-Bremse Gesellschaft mit	(21) EP13792287.8
H04N 5/232	beschränkter Haftung	(47) 07.10.2020
H04N 7/18	(72) MAIR, Andreas	(87) EP2013073080
(11) EP3109096	WILFLINGER, Johann	08.05.2014
(21) EP16175111.0	(31) 102016015128	(22) 05.11.2013
(47) 07.10.2020	(32) 17.12.2016	(54) DEVICE FOR RETAINING FLAT,
(22) 17.06.2016	(33) Germany	APPROXIMATELY RECTANGULAR
(54) DISPLAY APPARATUS FOR VEHICLES,	(51) B60R 5/04	APPLIANCES SUCH AS TABLET
IN PARTICULAR FOR COMMERCIAL	(11) EP3517366	COMPUTERS OR MOBILE
VEHICLES	(21) EP17852723.0	TELEPHONES IN THE INTERIOR OF A
(73) MEKRA LANG GmbH & Co. KG	(47) 07.10.2020	MOTOR VEHICLE
(72) LANG, Werner	(87) JP2017029017	(73) Kinetix AG
WITZKE, Michael	29.03.2018	(72) ACKERET, Peter
GEISSENDÖRFER, Peter	(22) 09.08.2017	SKOTT, Juergen Siegfried
HEGER, Sebastian	(54) TONNEAU COVER FOR VEHICLE	KELLER, Michael Andreas
DEFFNER, Simon	(73) Honda Motor Co., Ltd.	(31) 22572012
SNEL, Jaap-Jan	(72) UEYAMA Tasuku	26292012
(31) 102015008042	KAWATA Ryuya	249132013
(32) 23.06.2015	(31) 2016186007	921132013
(33) Germany	(32) 23.09.2016	992132013
(51) B60R 1/00	(33) Japan	10592013
G06T 7/00	(51) B60R 5/04	12332013
G06T 7/80	B60R 11/02	13012013
(11) EP3180770	B62D 25/08	17042013
(21) EP15747660.7	B62D 29/00	(32) 05.11.2012
(47) 07.10.2020	(11) EP3357798	30.11.2012
(87) US2015040827	(21) EP18163760.4	21.01.2013
18.02.2016	(47) 07.10.2020	06.05.2013
(22) 17.07.2015	(22) 09.06.2017	18.05.2013
(54) LEARNING THE DISTANCE BETWEEN	(54) MOTOR VEHICLE HYBRID SHELF	01.06.2013
CAMERAS FOR ARTICULATED	ASSEMBLY	09.07.2013
VEHICLES	(73) Dura Operating, LLC	21.07.2013
(73) Bendix Commercial Vehicle Systems,	(72) SUHANT PRAJWAL, Ranga Reddy	02.10.2013
LLC	LANGREET, Alex Mark	(33) Switzerland
(72) KUEHNLE, Andreas, U.	(31) 201615178145	Switzerland
(31) 201414458300	(32) 09.06.2016	Switzerland
(32) 13.08.2014	(33) United States of America	Switzerland
(33) United States of America	(51) B60R 7/04	Switzerland
(51) B60R 1/08	(11) EP3468841	Switzerland
B60R 1/12	(21) EP17730439.1	Switzerland
G06K 9/20	(47) 07.10.2020	Switzerland

Switzerland	(73) Panasonic Intellectual Property Corporation of America	(32) 21.07.2015
(51) B60R 11/02	(72) KISHIKAWA, Takeshi	(33) United States of America
G10K 15/04	MATSUSHIMA, Hideki	(51) B60R 19/18
B60L 3/00	HAGA, Tomoyuki	(11) EP3541666
(11) EP2797076	MAEDA, Manabu	(21) EP17804965.6
(21) EP12858929.8	UNAGAMI, Yuji	(47) 07.10.2020
(47) 07.10.2020	UJIIE, Yoshihiro	(87) IB2017057168
(87) JP2012082023	(31) 201461990360 P	24.05.2018
27.06.2013	2015032206	(22) 16.11.2017
(22) 11.12.2012	(32) 08.05.2014	(54) BUMPER BEAM HAVING RIBS ON SEVERAL WALLS OF THE BUMPER BEAM
(54) ACCELERATION SOUND GENERATION DEVICE FOR VEHICLE	20.02.2015	(73) ArcelorMittal
(73) Nissan Motor Co., Ltd	(33) United States of America	(72) BRUN, Gilles
(72) OGOSE Wataru	Japan	HERISSON, Damien
SHIONOME Koji	(51) B60R 16/023	LAM, Jimmy
KANEHARA Shunichi	H05K 7/02	HASENPOUTH, Dan
(31) 2011281225	(11) EP2415642	GIBEAU, Elie
(32) 22.12.2011	(21) EP11176281.1	VIAUX, Ivan
(33) Japan	(47) 07.10.2020	(31) PCT/IB2016/056961
(51) B60R 16/02	(22) 02.08.2011	(32) 18.11.2016
H01B 7/00	(54) Electric connection box	(33) World Intellectual Property Office (WIPO)
H01B 7/282	(73) Yazaki Corporation	(51) B60R 21/00
H01R 4/20	(72) Sato, Koki	B60W 30/06
H01R 4/72	Onoda, Takeshi	B62D 6/00
H01R 11/09	(31) 2010173484	B62D 15/02
H01R 11/32	(32) 02.08.2010	G08G 1/14
H02G 15/18	(33) Japan	B60W 50/14
(11) EP2922145	(51) B60R 16/037	(11) EP3357776
(21) EP14003845.6	G06F 3/16	(21) EP16850946.1
(47) 07.10.2020	G10L 15/08	(47) 07.10.2020
(22) 14.11.2014	G10L 15/22	(87) JP2016074071
(54) Connector assembly and corresponding method	G10L 15/26	06.04.2017
(73) MAN Truck & Bus SE	H04M 1/04	(22) 18.08.2016
(72) Kalass, Rainer	H04M 1/725	(54) PARKING ASSISTANCE DEVICE
(31) 102014003976	G10L 15/18	(73) Hitachi Automotive Systems, Ltd.
(32) 20.03.2014	G10L 15/30	(72) HARAI, Tatsunori
(33) Germany	(11) EP3432303	(31) 2015192979
(51) B60R 16/023	(21) EP18191886.3	(32) 30.09.2015
F16H 61/00	(47) 07.10.2020	(33) Japan
H05K 5/00	(22) 04.08.2011	(51) B60R 21/00
(11) EP3360398	(54) AUTOMATICALLY MONITORING FOR VOICE INPUT BASED ON CONTEXT	B60W 30/06
(21) EP16754473.3	(73) Google LLC	B62D 15/02
(47) 07.10.2020	(72) LEBEAU, Michael J.	G08G 1/16
(87) EP2016069340	JITKOFF, John, Nicholas	G05D 1/02
13.04.2017	BURKE, Dave	(11) EP3369627
(22) 15.08.2016	(31) 85225610	(21) EP16859396.0
(54) TRANSMISSION CONTROL MODULE FOR A MOTOR VEHICLE	(32) 06.08.2010	(47) 07.10.2020
(73) Robert Bosch GmbH	(33) United States of America	(87) JP2016075466
(72) ZWEIGLE, Peter	(51) B60R 19/00	04.05.2017
DROIGK, Thorsten	B60R 19/02	(22) 31.08.2016
(31) 102015219466	B60R 19/04	(54) PARKING ASSISTANCE DEVICE
(32) 08.10.2015	B60R 19/18	(73) Clarion Co., Ltd.
(33) Germany	B60R 21/00	(72) HASEJIMA Noriyasu
(51) B60R 16/023	(11) EP3325314	TAGAWA Shinya
H04L 9/32	(21) EP16828550.0	(31) 2015211322
H04L 29/06	(47) 07.10.2020	(32) 27.10.2015
H04L 29/08	(87) US2016043373	(33) Japan
(11) EP3142289	26.01.2017	(51) B60R 21/00
(21) EP15788947.8	(22) 21.07.2016	G01C 3/00
(47) 07.10.2020	(54) BUMPER BEAM	H04N 5/225
(87) JP2015002161	(73) Magna International Inc.	H04N 5/232
12.11.2015	(72) JADHAV, Amar, Rajendra	G06T 7/13
(22) 21.04.2015	YALDO, Joseph, Matthew	G06T 7/536
(54) IN-VEHICLE NETWORK SYSTEM, ELECTRONIC CONTROL UNIT, AND IRREGULARITY DETECTION METHOD	GUJJAL, Shrikanth	G06T 7/80
(31) 201562194960 P	CAITO, John, J.	(11) EP3358295
	MELLIS, Jeffrey	(21) EP16850663.2
		(47) 07.10.2020

(87) JP2016004355 06.04.2017	(54) MOUNTED MODULE FOR A MOTOR VEHICLE	WEILER, Michael BREUER, Bodo
(22) 27.09.2016	(73) Huf Hülsbeck & Fürst GmbH & Co. KG	(31) 102013217951
(54) IMAGE PROCESSING DEVICE, STEREO CAMERA DEVICE, VEHICLE, AND IMAGE PROCESSING METHOD	(72) SCHINDLER, Mirko STICHERLING, Nadine MÖNIG, Stefan	(32) 09.09.2013 (33) Germany
(73) Kyocera Corporation	SCHUMACHER, Helmut ZIEGLER, Alexander	(51) B60S 1/50 B65D 51/24 B67C 11/02
(72) OHARA, Naoto INOUE, Shushin	LINDIC, Iko HACHE, Christof	(11) EP2767447 (21) EP13155602.9
(31) 2015190449	MÜLLER, Oliver	(47) 07.10.2020
(32) 28.09.2015	HELLER, Norbert	(22) 18.02.2013
(33) Japan	YOMKIL MALABO, Jean ETTE, Bernd	(54) Vehicle with a vehicle fluid filling arrangement
(51) B60R 25/102 B60R 25/20 B60R 25/24	(31) 102014101195	(73) Volvo Car Corporation
(11) EP3496977	(32) 31.01.2014	(72) Uyanik, Gabriel
(21) EP17730454.0	(33) Germany	Zippert, Tommy
(47) 07.10.2020	(51) B60R 25/24 G07C 9/00	Gottschalk, Martin Davidsson, Jan
(87) EP2017064287 15.02.2018	(11) EP3287331	(51) B60S 5/02 F16L 37/23 F16L 37/35 F16L 55/10 B67D 7/32
(22) 12.06.2017	(21) EP16185691.9	(11) EP3333469
(54) METHOD FOR OPERATING AN ANTI- THEFT DEVICE, ANTI-THEFT DEVICE FOR A MOTOR VEHICLE, AND MOTOR VEHICLE	(47) 07.10.2020	(21) EP17202497.8 (47) 07.10.2020
(73) Audi AG	(22) 25.08.2016	(22) 20.11.2017
(72) MÜLLER, Frank GEIER, Tobias	(54) AUTOMOTIVE SECURITY APPARATUS AND ASSOCIATED METHODS	(54) PIPE JOINT
(31) 102016214687	(73) NXP B.V.	(73) Tatsuno Corporation
(32) 08.08.2016	(72) van Roermund,, Timotheus Arthur Moeller,, Claas-Henrik	(72) TAKEZAWA, Masahiro TERASOMA, Yuki KIMURA, Kiyoshi
(33) Germany	(51) B60S 1/16 H01R 39/38 H01R 39/40 H02K 5/14 H02K 5/22 H02K 7/116 H02K 13/00 H02K 23/00 H02K 23/66 H02K 11/026 H02K 11/21	(31) 2016240235 (32) 12.12.2016 (33) Japan
(51) B60R 25/24	(11) EP3021469	(51) B60T 1/06 (11) EP3480070 (21) EP17275178.6 (47) 07.10.2020
(11) EP3412521	(21) EP14822256.5	(22) 02.11.2017
(21) EP18175178.5	(47) 07.10.2020	(54) BRAKING DEVICE
(47) 07.10.2020	(87) JP2014068488	(73) Goodrich Actuation Systems Limited
(22) 30.05.2018	15.01.2015	(72) DAVIES, Stephen
(54) CONTROL SYSTEM, IN-VEHICLE DEVICE AND ELECTRONIC KEY	(22) 10.07.2014	(51) B60T 7/12 B60T 7/22
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(54) ELECTRIC MOTOR	(11) EP3257711 (21) EP16465513.6 (47) 07.10.2020
(72) ENDO, Takeo	(73) Mitsuba Corporation	(22) 15.06.2016
(31) 2017110724	(72) TOKIZAKI Teppei KAWASHIMA Yoshichika TAMURA Natsumi	(54) METHOD FOR MINIMIZING ACCIDENT CONSEQUENCES
(32) 05.06.2017	(31) 2013145711 2013145712	(73) Continental Automotive GmbH
(33) Japan	(32) 11.07.2013 11.07.2013	(72) Homutescu, Adrian Oancea, Iulian Ruginosu, Daniel
(51) B60R 25/24 B60R 25/40 G07C 9/00	(33) Japan Japan	(51) B60T 8/17 B60T 8/172
(11) EP3350031	(51) B60S 1/38	(11) EP2882622 (21) EP13751033.5 (47) 07.10.2020
(21) EP16793796.0	(11) EP3044047	(87) US2013054520 13.02.2014
(47) 07.10.2020	(21) EP14747396.1	(22) 12.08.2013
(87) EP2016076325 29.06.2017	(47) 07.10.2020	(54) INTEGRATED TRAILER BRAKE CONTROL SYSTEM AND METHOD
(22) 02.11.2016	(87) EP2014066831 12.03.2015	(73) Robert Bosch GmbH
(54) METHOD FOR OPERATING A VEHICLE ACCESS SYSTEM	(22) 05.08.2014	
(73) Huf Hülsbeck & Fürst GmbH & Co. KG	(54) STRUCTURAL VARIANTS FOR FIN RAY WIPERS	
(72) WITTE, Martin VAN GASTEL, Peter	(73) Robert Bosch GmbH	
(31) 102015122771	(72) HACKL, Viktor DEAK, Peter	
(32) 23.12.2015		
(33) Germany		
(51) B60R 25/24 G07C 9/00		
(11) EP3099539		
(21) EP15701663.5		
(47) 07.10.2020		
(87) DE2015100009 06.08.2015		
(22) 07.01.2015		

(72) MAITLEN, Daniel, Sigfus	F04B 1/0421	B60W 30/18
(31) 201261681852 P	F04B 1/0439	B60W 30/186
201261711274 P	(11) EP2945824	B60W 20/00
(32) 10.08.2012	(21) EP14740666.4	B60W 20/10
09.10.2012	(47) 07.10.2020	(11) EP2731841
(33) United States of America	(87) US2014010817	(21) EP12814454.0
United States of America	24.07.2014	(47) 07.10.2020
(51) B60T 8/17	(22) 09.01.2014	(87) SE2012050767
B60T 8/1766	(54) SLIP CONTROL BRAKING PUMP	24.01.2013
(11) EP3303076	HAVING A HIGH PRESSURE SEALING	(22) 03.07.2012
(21) EP16726785.5	STRUCTURE	(54) PARALLEL HYBRID SYSTEM
(47) 07.10.2020	(73) ZF Active Safety US Inc.	AND METHOD PERTAINING TO A
(87) EP2016000771	(72) STARR, Joseph, A.	PARALLEL HYBRID SYSTEM
01.12.2016	(31) 201313746026	(73) Scania CV AB
(22) 12.05.2016	(32) 21.01.2013	(72) PETTERSSON, Niklas
(54) METHOD AND DEVICE FOR	(33) United States of America	LINDSTRÖM, Johan
ELECTRONICALLY CONTROLLING A	(51) B60T 13/02	(31) 1150684
VEHICLE DECELERATION IN AN ABS	B60T 17/08	(32) 15.07.2011
BRAKING SYSTEM	F16D 55/226	(33) Sweden
(73) WABCO GmbH	F16D 65/18	(51) B60W 10/02
(72) BOETHEL, Andreas	(11) EP3184386	B60W 10/06
ECKERT, Horst	(21) EP15202215.8	B60W 10/08
WALLBAUM, Torsten	(47) 07.10.2020	B60W 50/00
(31) 102015006737	(22) 22.12.2015	B60W 30/18
(32) 23.05.2015	(54) DISC BRAKE AND METHOD FOR	(11) EP3558777
(33) Germany	MANUFACTURING THE SAME	(21) EP17837963.2
(51) B60T 8/17	(73) Haldex Brake Products AB	(47) 07.10.2020
B62J 45/414	(72) Sandberg Stefan	(87) EP2017083940
B62J 45/423	(51) B60T 13/68	28.06.2018
(11) EP3549835	F16K 31/06	(22) 20.12.2017
(21) EP19157667.7	(11) EP3188943	(54) METHOD FOR OPERATING A MOTOR
(47) 07.10.2020	(21) EP15745485.1	VEHICLE WITH AN EARLY MOTOR
(22) 18.02.2019	(47) 07.10.2020	RESTART OUT OF THE ENGINE-OFF
(54) VEHICLE	(87) EP2015067774	COASTING MODE
(73) Honda Motor Co., Ltd.	10.03.2016	(73) Vitesco Technologies GmbH
(72) NOGUCHI, Kohei	(22) 03.08.2015	(72) HAMPERL, Helmut
TOMURA, Kineo	(54) ARMATURE AND CARTRIDGE FOR A	WANKERL, Lisa
HOSOGOSHI, Shinichi	MAGNETIC VALVE	(31) 102016225932
(31) 2018049917	(73) Robert Bosch GmbH	(32) 22.12.2016
(32) 16.03.2018	(72) AMBROSI, Massimiliano	(33) Germany
(33) Japan	KURZ, Edgar	(51) B60W 10/02
(51) B60T 8/1755	ALAZE, Norbert	B60W 10/06
B60W 50/14	EISENLAUER, Michael	B60W 50/00
(11) EP3509918	(31) 102014217447	B60K 6/48
(21) EP17754702.3	(32) 01.09.2014	B60W 20/00
(47) 07.10.2020	(33) Germany	(11) EP2699439
(87) EP2017070756	(51) B60W 10/02	(21) EP12716263.4
15.03.2018	B60W 10/06	(47) 07.10.2020
(22) 16.08.2017	B60W 10/08	(87) EP2012051486
(54) APPARATUS FOR WARNING A DRIVER	B60K 6/48	09.08.2012
OF A VEHICLE ABOUT A STATIONARY	B60W 20/11	(22) 31.01.2012
OBJECT AND VEHICLE HAVING SUCH	(11) EP2079620	(54) HYBRID ELECTRIC VEHICLE
AN APPARATUS	(21) EP07788338.7	CONTROLLER, HYBRID ELECTRIC
(73) KNORR-BREMSE Systeme für	(47) 07.10.2020	VEHICLE AND METHOD OF
Nutzfahrzeuge GmbH	(87) EP2007058276	CONTROLLING A HYBRID ELECTRIC
(72) NOHL, Andreas	17.04.2008	VEHICLE
GÜCKER, Ulrich	(22) 09.08.2007	(73) Jaguar Land Rover Limited
BANSPACH, Jochen	(54) METHOD FOR OPERATING A	(72) HANCOCK, Matthew
(31) 102016116964	PARALLEL HYBRID DRIVE	(31) 201101704
(32) 09.09.2016	(73) Robert Bosch GmbH	(32) 01.02.2011
(33) Germany	(72) FALKENSTEIN, Jens-Werner	(33) United Kingdom
(51) B60T 8/40	(31) 102006047655	(51) B60W 10/02
B60T 11/236	(32) 09.10.2006	F16D 48/02
B60T 13/14	(33) Germany	F16D 48/06
B60T 13/16	(51) B60W 10/02	B60W 30/02
B60T 17/02	B60W 10/06	B60W 30/18
F04B 53/02	B60W 10/08	(11) EP2600022
F04B 53/16	B60K 6/48	(21) EP11812244.9

(47) 07.10.2020	B60K 6/485	14.12.2017
(87) JP2011065565	B60W 30/188	(22) 08.06.2016
02.02.2012	B60W 20/00	(54) SPEED PLANNING METHOD AND
(22) 07.07.2011	B60W 20/10	APPARATUS AND CALCULATING
(54) COASTING CONTROL DEVICE	B60W 20/11	APPARATUS FOR AUTOMATIC
(73) Isuzu Motors, Ltd.	B60W 20/13	DRIVING OF VEHICLE
Transtron Inc.	(11) EP3392108	(73) Uisee Technologies (Beijing) Ltd
(72) IWAO Nobuyuki	(21) EP15910723.4	(72) ZHOU, Xiaocheng
YAMAMOTO Yasushi	(47) 07.10.2020	JIANG, Yan
KOBAYASHI Kazuhiko	(87) JP2015085293	PENG, Jinzhan
ARAI Hiroyuki	22.06.2017	ZHOU, Xin
TAKAMA Kouhei	(22) 16.12.2015	ZHANG, Dan
(31) 2010172562	(54) CONTROLLER AND METHOD FOR	LUO, Sai
(32) 30.07.2010	CONTROLLING HYBRID SYSTEM	(51) B60W 50/00
(33) Japan	(73) Volvo Truck Corporation	G08G 1/0962
(51) B60W 10/04	(72) KINZUKA, Naoto	B60W 50/08
B60W 10/20	(51) B60W 10/08	(11) EP2983956
B60W 50/00	B60W 30/20	(21) EP14783125.9
B62D 15/02	B60K 6/485	(47) 07.10.2020
B60W 10/184	B60W 20/00	(87) SE2014050393
B60W 30/09	(11) EP2726353	16.10.2014
B60W 30/095	(21) EP12740293.1	(22) 02.04.2014
B60W 30/18	(47) 07.10.2020	(54) PROFILE APPLICATION FOR IN-
B60W 30/12	(87) DE2012000578	VEHICLE INFOTAINMENT
G05D 1/02	03.01.2013	(73) Scania CV AB
(11) EP3542237	(22) 01.06.2012	(72) NORBERG, Jonas
(21) EP17798185.9	(54) HYBRID DRIVE TRAIN HAVING AN	AHO TARKKA, Adeliina
(47) 07.10.2020	ACTIVE TORSIONAL VIBRATION	FAGERBERG, Kalle
(87) EP2017078914	DAMPING AND METHOD FOR	JOHANSSON, Jonny
24.05.2018	CARRYING OUT THE ACTIVE	WIKMAN, Anders
(22) 10.11.2017	TORSIONAL VIBRATION DAMPING	(31) 1350431
(54) AUTONOMOUS CONTROL OF A	(73) Schaeffler Technologies AG & Co. KG	(32) 08.04.2013
MOTOR VEHICLE ON THE BASIS OF	(72) WERNER, Olaf	(33) Sweden
LANE DATA; MOTOR VEHICLE	HUBER, Michael	(51) B61B 1/00
(73) AUDI AG	ANGRICK, Carsten	B65G 35/00
(72) ROTTKAMP, Lukas	GRAMANN, Matthias	B65G 65/00
(31) 102016222782	DILZER, Martin	B64F 1/36
(32) 18.11.2016	(31) 102011078249	(11) EP3375684
(33) Germany	102012201948	(21) EP17160866.4
(51) B60W 10/04	(32) 28.06.2011	(47) 07.10.2020
B60W 30/14	09.02.2012	(22) 14.03.2017
B60W 50/00	(33) Germany	(54) CONVEYING SYSTEM AND METHOD
B60W 10/184	Germany	FOR TRANSPORTING PIECE GOOD
B60W 30/18	(51) B60W 50/00	PARTS
B60W 30/16	B60W 30/18	(73) BEUMER Group GmbH & Co. KG
B60W 30/17	B60W 40/13	(72) Heitplatz, Heino
B60W 30/182	(11) EP3107789	Jesper, Jan Josef
B60W 60/00	(21) EP15705023.8	(51) B61B 12/00
(11) EP3498556	(47) 07.10.2020	B61B 12/06
(21) EP16912642.2	(87) EP2015053425	(11) EP2858872
(47) 07.10.2020	27.08.2015	(21) EP13730037.2
(87) JP2016073327	(22) 18.02.2015	(47) 07.10.2020
15.02.2018	(54) VEHICLE MOVEMENT ON AN	(87) FR2013051264
(22) 08.08.2016	INCLINED SURFACE	12.12.2013
(54) CONTROL METHOD AND CONTROL	(73) Jaguar Land Rover Limited	(22) 04.06.2013
DEVICE FOR AUTOMATICALLY	(72) GENNARD, James	(54) SAFETY CONTROL DEVICE FOR
DRIVEN VEHICLES	SPOONER, John	CHAIRLIFT
(73) Nissan Motor Co., Ltd.	(31) 201402798	(73) LST
(72) JANG, Hwaseon	(32) 18.02.2014	(72) REICHERT, Pascal
SUNDA, Takashi	(33) United Kingdom	(31) 1255254
HIRAMATSU, Machiko	(51) B60W 50/00	(32) 06.06.2012
(51) B60W 10/06	G06N 20/00	(33) France
B60W 10/08	B60W 30/16	(51) B61D 17/22
F02B 39/10	G05D 1/02	(11) EP3494022
F02D 23/00	(11) EP3460613	(21) EP17758030.5
F02D 23/02	(21) EP16904354.4	(47) 07.10.2020
F02D 41/00	(47) 07.10.2020	(87) DE2017100633
B60K 6/24	(87) CN2016085310	08.02.2018

(22) 28.07.2017	(47) 07.10.2020	(21) EP19159388.8
(54) ARTICULATED VEHICLE, FOR EXAMPLE A RAIL VEHICLE OR AN ARTICULATED BUS, FORMED FROM A PLURALITY OF VEHICLES OR VEHICLE PARTS CONNECTED TO ONE ANOTHER IN AN ARTICULATED MANNER	(87) CN2012075574 22.11.2012	(47) 07.10.2020
(73) Hübner GmbH & Co. KG	(22) 16.05.2012	(22) 26.02.2019
(72) ANDREAS, Kunze	(54) METHOD AND DEVICE FOR SENDING TEMPORARY SPEED RESTRICTION COMMAND IN C3 SYSTEM	(54) STEERING CONTROL DEVICE
(31) 102016114355	(73) CRSC Research & Design Institute Group Co., Ltd.	(73) JTEKT CORPORATION
(32) 03.08.2016	(72) YUE, Zhaopeng	(72) YOSHIKAWA, Masashi
(33) Germany	LI, Xiang	(31) 2018031988
(51) B61F 3/04	LIU, Dongqing	(32) 26.02.2018
(11) EP3197742	YANG, Jie	(33) Japan
(21) EP15750417.6	(31) 201110125309	(51) B62D 5/04
(47) 07.10.2020	(32) 16.05.2011	G01L 3/10
(87) EP2015068533	(33) China	(11) EP3376192
31.03.2016	(51) B61L 7/08	(21) EP16864296.5
(22) 12.08.2015	B61L 27/00	(47) 07.10.2020
(54) CHASSIS FRAME WITH DRIVE UNIT	G05B 9/03	(87) JP2016083340
(73) Siemens Mobility Austria GmbH	(11) EP3565751	18.05.2017
(72) KARNER, Christian	(21) EP18704927.5	(22) 10.11.2016
HUBMANN, Markus	(47) 07.10.2020	(54) YOKE COVER, TORQUE DETECTION DEVICE, ELECTRIC POWER STEERING DEVICE, YOKE COVER PRODUCTION METHOD, AND ELECTRIC POWER STEERING DEVICE PRODUCTION METHOD
KREUZWEGER, David	(87) EP2018052733	(73) NSK LTD.
PLANKENSTEINER, Christian	07.09.2018	Nakanishi Metal Works Co., Ltd.
SUMNITSCH, Michael	(22) 05.02.2018	(72) HATANAKA Kazuyuki
(31) 506642014	(54) SWITCHOVER BETWEEN ELEMENT CONTROLLERS IN RAILWAY OPERATION	SHIGETA Taishi
(32) 22.09.2014	(73) Siemens Mobility GmbH	TAKI Masayuki
(33) Austria	(72) GIESECKE, Jörn	(31) 2015221286
(51) B61F 19/00	SCHULZ, Oliver	(32) 11.11.2015
E01H 8/10	SEIFERT, Matthias	(33) Japan
(11) EP3420139	(31) 102017203220	(51) B62D 5/04
(21) EP17719528.6	(32) 28.02.2017	G01L 3/10
(47) 07.10.2020	(33) Germany	(11) EP3376191
(87) EP2017059110	(51) B62B 3/06	(21) EP16864295.7
26.10.2017	B62B 5/00	(47) 07.10.2020
(22) 18.04.2017	B62B 5/02	(87) JP2016083339
(54) SAND REMOVAL DEVICE	(11) EP3415401	18.05.2017
(73) Siemens Mobility Austria GmbH	(21) EP18177840.8	(22) 10.11.2016
(72) KLOPSCH, Christian	(47) 07.10.2020	(54) YOKE COVER, TORQUE DETECTION DEVICE, ELECTRIC POWER STEERING DEVICE, YOKE COVER PRODUCTION METHOD, AND ELECTRIC POWER STEERING DEVICE PRODUCTION METHOD
(31) 503572016	(22) 14.06.2018	(73) NSK LTD.
(32) 22.04.2016	(54) A TRACKED PALLET JACK FOR HANDLING A LOAD ON A WORKING AREA	Nakanishi Metal Works Co., Ltd.
(33) Austria	(73) E.H.W. GmbH	(72) HATANAKA Kazuyuki
(51) B61G 9/04	(72) Dall'Osto, Luca	SHIGETA Taishi
B61G 9/06	(31) 201700065996	SUGITA Sumio
(11) EP3183157	(32) 14.06.2017	KAWAI Yasuhiro
(21) EP15748233.2	(33) Italy	TAKI Masayuki
(47) 07.10.2020	(51) B62D 1/19	(31) 2015221285
(87) EP2015068164	(11) EP3529127	(32) 11.11.2015
25.02.2016	(21) EP17784969.2	(33) Japan
(22) 06.08.2015	(47) 07.10.2020	(51) B62D 5/04
(54) PULL AND PUSH MEANS	(87) EP2017076614	H02K 3/18
(73) Voith Patent GmbH	26.04.2018	H02K 3/28
(72) BONNEY, Bernhard	(22) 18.10.2017	H02K 21/16
SCHÜLER, Martin	(54) STEERING COLUMN COMPRISING AN ENERGY ABSORPTION DEVICE FOR A MOTOR VEHICLE	(11) EP3136551
(31) 102014216719	(73) thyssenkrupp Presta AG	(21) EP15853964.3
102015207849	thyssenkrupp AG	(47) 07.10.2020
(32) 22.08.2014	(72) DOMIG, Markus	(87) JP2015072075
29.04.2015	(31) 102016220533	06.05.2016
(33) Germany	(32) 19.10.2016	(22) 04.08.2015
Germany	(33) Germany	(54) ROTATING ELECTRIC MACHINE AND ELECTRIC POWER STEERING
(51) B61L 3/12	(51) B62D 5/04	
B61L 15/00	(11) EP3530548	
B61L 27/00		
H04L 29/08		
(11) EP2746130		
(21) EP12785365.3		

DEVICE USING ROTATING ELECTRIC MACHINE	(72) MATSUO, Tomoya	(31) 201261717834 P
(73) Mitsubishi Electric Corporation	(31) 2016177144	(32) 24.10.2012
(72) HIROTANI, Yu	(32) 09.09.2016	(33) United States of America
NAKANO, Masatsugu	(33) Japan	(51) B63H 1/14
ITO, Kazumasa	(51) B62J 17/06	B63H 1/16
UEYAMA, Hiroko	(11) EP3517417	B63H 1/26
(31) 2014220954	(21) EP19153096.3	F03B 3/12
(32) 30.10.2014	(47) 07.10.2020	F04D 3/02
(33) Japan	(22) 22.01.2019	F04D 29/38
(51) B62D 35/00	(54) LEG SHIELD OF A STRADDLED VEHICLE	(11) EP3536600
(11) EP3496999	(73) YAMAHA HATSUDOKI KABUSHIKI KAISHA	(21) EP19170982.3
(21) EP17749687.4	(72) RUEANGRIT, Kengkla	(47) 07.10.2020
(47) 07.10.2020	VETVAKIN, Veerakrit	(22) 05.06.2013
(87) EP2017069392	(31) 2018010876	(54) UNDERWATER TURBINE
15.02.2018	2018093735	(73) G.A.M. Manshanden Management B.V.
(22) 01.08.2017	(32) 25.01.2018	(72) MANSHANDEN, Gerardus Augustinus Maria
(54) REAR SPOILER AND VEHICLE COMPRISING SUCH A REAR SPOILER	(33) Japan	(31) 2008948
(73) Volkswagen Aktiengesellschaft	(33) Japan	(32) 06.06.2012
(72) GROVE, Martin	(51) B62M 25/04	(33) Netherlands
MASSARCZYK, Björn-Dennis	B62M 6/50	(51) B63H 25/42
(31) 102016214834	B62M 9/127	G05D 1/02
(32) 10.08.2016	B62M 9/137	(11) EP2828718
(33) Germany	(11) EP3527476	(21) EP13708147.7
(51) B62D 35/00	(21) EP18157607.5	(47) 07.10.2020
B62D 37/02	(47) 07.10.2020	(87) EP2013054588
(11) EP3177509	(22) 20.02.2018	26.09.2013
(21) EP15745227.7	(54) METHOD AND SYSTEM FOR THE MONITORING OF ELECTRIC BICYCLE MANUAL GEAR CHANGING	(22) 07.03.2013
(47) 07.10.2020	(73) Agentura REPRO spol. s r.o.	(54) DYNAMIC LOAD COMPENSATION
(87) EP2015068025	(72) Mráz, Richard	(73) Kongsberg Maritime AS
11.02.2016	(51) B63B 21/04	(72) MATHIESEN, Eirik
(22) 05.08.2015	B63H 9/10	REALFSEN, Bjørnar
(54) VEHICLE AERODYNAMIC APPARATUS	B66D 3/04	JØRGENSEN, Ole Henrik
(73) Jaguar Land Rover Limited	F16H 55/36	JOHANNESSEN, Petter Faugstad
(72) GAYLARD, Adrian	F16H 55/50	(31) 20120344
THOMPSON, Christopher	(11) EP3561338	(32) 22.03.2012
TURNER, Ross	(21) EP17844602.7	(33) Norway
(31) 201413846	(47) 07.10.2020	(51) B64C 1/06
(32) 05.08.2014	(87) ES2017070841	B64C 1/08
(33) United Kingdom	28.06.2018	B64D 11/00
(51) B62D 55/065	(22) 21.12.2017	(11) EP3231703
B62D 55/084	(54) SHEAVE	(21) EP17154105.5
B62D 55/108	(73) Goldenberg, Nicolás Alejandro	(47) 07.10.2020
(11) EP3494032	(72) Goldenberg, Nicolás Alejandro	(22) 01.02.2017
(21) EP17748461.5	(31) 201631524 U	(54) TRUSS STRUCTURE
(47) 07.10.2020	(32) 23.12.2016	(73) The Boeing Company
(87) EP2017069512	(33) Spain	(72) Nandalochana, Chathura B. Wentland, Mark E. Bruhns, Joel A. Hoskinson, James W. Rippe, Brendon T. Wen, Curtis Tafesh, Mona T.
08.02.2018	(51) B63B 39/00	(31) 201615096988
(22) 02.08.2017	B63B 39/06	(32) 12.04.2016
(54) TRACK SYSTEM FOR A WORK VEHICLE	B63B 49/00	(33) United States of America
(73) CNH Industrial Italia S.P.A.	G05D 1/08	(51) B64C 1/14
(72) STEFANO, Fiorati	B63B 79/00	(11) EP3524509
PAOLINI, Francesco	(11) EP2911935	(21) EP19152813.2
STOLTMAN, Russell V.	(21) EP13848498.5	(47) 07.10.2020
VIK, Brian D.	(47) 07.10.2020	(22) 21.01.2019
(31) 201600081211	(87) US2013066627	(54) AIRCRAFT PRIVACY DOOR AND DOOR FRAME ASSEMBLY
(32) 02.08.2016	01.05.2014	(73) The Boeing Company
(33) Italy	(22) 24.10.2013	(72) Movsesian, Sami Sauer, Steven H.
(51) B62J 17/00	(54) PREDICTIVE SEA STATE MAPPING FOR SHIP MOTION CONTROL	(31) 201862628254 P
(11) EP3293101	(73) Naiad Maritime Group, Inc.	201815935259
(21) EP17189804.2	(72) VENABLES, John D. PAPPAS, Christopher M. SCHAUB, Jr., Benton H.	
(47) 07.10.2020		
(22) 07.09.2017		
(54) VEHICLE BODY COVER STRUCTURE FOR SADDLED VEHICLE		
(73) HONDA MOTOR CO., LTD.		

2020766	(72) MAGALHAES, Brandon Anthony	(31) 201261725171 P
(32) 08.02.2018	WISE, Todd Kenneth	201261725175 P
26.03.2018	(31) 201816004376	(32) 12.11.2012
13.04.2018	(32) 09.06.2018	12.11.2012
(33) United States of America	(33) United States of America	(33) United States of America
United States of America	(51) B64C 39/02	United States of America
Netherlands	B64F 1/02	(51) B64D 11/06
(51) B64C 1/14	(11) EP3446985	(11) EP3322642
F16B 11/00	(21) EP18189253.0	(21) EP16744453.8
B60J 10/70	(47) 07.10.2020	(47) 07.10.2020
(11) EP3421350	(22) 16.08.2018	(87) GB2016052105
(21) EP18170490.9	(54) RAIL RECOVERY SYSTEM FOR	19.01.2017
(47) 07.10.2020	AIRCRAFT	(22) 12.07.2016
(22) 03.05.2018	(73) Aurora Flight Sciences Corporation	(54) CONNECTOR FOR AN AIRCRAFT
(54) ASSEMBLY BETWEEN A FRAME	(72) SCHWEIGHART, Samuel	SEAT
AND AN ASSOCIATED ELEMENT,	COE, Andrew	(73) Acro Aircraft Seating Limited
AIRCRAFT COMPRISING SUCH AN	ENSMINGER, Jeffery	(72) BOWKER, James
ASSEMBLY AND METHODS FOR	GIANNINI, Francesco	LAWLER, Andrew
SECURING AND RELEASING SUCH	PACE, Jeffrey	(31) 201512186
AN ASSEMBLY	(31) 201715685593	(32) 13.07.2015
(73) Airbus Helicopters	(32) 24.08.2017	(33) United Kingdom
(72) BEDUS, Olivier	(33) United States of America	(51) B64D 11/06
PERRET, Adrien	(51) B64C 39/02	H05K 7/14
NEGREL, Florence	H04N 5/232	(11) EP3476737
GALA, Lillian	(11) EP3071482	(21) EP18202564.3
(31) 1770695	(21) EP14906145.9	(47) 07.10.2020
(32) 30.06.2017	(47) 07.10.2020	(22) 25.10.2018
(33) France	(87) CN2014094711	(54) UNDERSEAT REPLACEABLE IN-
(51) B64C 1/16	30.06.2016	FLIGHT ENTERTAINMENT CABLING
B64C 1/40	(22) 23.12.2014	ASSEMBLY
B64C 3/32	(54) UAV PANORAMIC IMAGING	(73) Rockwell Collins, Inc.
(11) EP3290329	(73) SZ DJI Osmo Technology Co., Ltd.	(72) POZZI, Alexander
(21) EP17188596.5	(72) WANG, Mingyu	MCGINLEY, Martin
(47) 07.10.2020	CAO, Zisheng	MCKEE, Stuart
(22) 30.08.2017	LIANG, Taiwan	KANE, Ross
(54) THERMAL EXPANSION JOINT	YU, Lifu	BRIGGS, James
(73) The Boeing Company	(51) B64C 39/02	CLEMENTS, Harry
(72) CONNELLY, Thomas J	H04R 5/02	(31) 201715793842
LI, Linda M	H04S 7/00	(32) 25.10.2017
(31) 201615254245	(11) EP3496426	(33) United States of America
(32) 01.09.2016	(21) EP18209952.3	(51) B64D 13/06
(33) United States of America	(47) 07.10.2020	B64D 13/08
(51) B64C 27/51	(22) 04.12.2018	H05K 7/20
F16F 13/08	(54) DRONE DEPLOYED SPEAKER	(11) EP3130543
(11) EP3546789	SYSTEM	(21) EP15831480.7
(21) EP19164315.4	(73) Harman International Industries,	(47) 07.10.2020
(47) 07.10.2020	Incorporated	(87) JP2015072374
(22) 21.03.2019	(72) KRATZ, Sven	18.02.2016
(54) HYDRO-ELASTIC SHOCK ABSORBER,	VERBEKE, Joseph	(22) 06.08.2015
AND AIRCRAFT	MARTI, Stefan	(54) COOLING APPARATUS FOR COOLING
(73) AIRBUS HELICOPTERS	BOULANGER, Adam	ELECTRONIC DEVICE IN AIRCRAFT
(72) BIHEL, Jean-Romain	(31) 201715834957	(73) IHI Corporation
SEQUERA, Damien	(32) 07.12.2017	(72) KIMURA, Hiroyuki
JALAGUIER, Jean-Pierre	(33) United States of America	MATSUNO, Shinsuke
(31) 1870369	(51) B64D 11/06	MORIOKA, Noriko
(32) 30.03.2018	(11) EP2917106	SEKI, Naoki
(33) France	(21) EP13802764.4	(31) 2014164792
(51) B64C 29/00	(47) 07.10.2020	(32) 13.08.2014
F16L 27/08	(87) US2013069611	(33) Japan
F16L 27/087	15.05.2014	(51) B64D 27/02
F16L 39/04	(22) 12.11.2013	B64D 27/24
F16L 39/06	(54) PERSONAL ELECTRONIC DEVICE	B60L 50/16
(11) EP3604885	MOUNTING ASSEMBLIES	(11) EP3392148
(21) EP18187176.5	(73) Safran Seats USA LLC	(21) EP18167802.0
(47) 07.10.2020	(72) HEREDIA, Homero	(47) 07.10.2020
(22) 03.08.2018	REYES, Raul	(22) 17.04.2018
(54) FLUID SWIVEL	VALDES, Armando	(54) HYBRID PROPULSION SYSTEM FOR
(73) Bell Helicopter Textron Inc.	WOLFE, Garrett	AN AIRCRAFT

(73) General Electric Company	(54) FORMATTING TEXT ON A TOUCH	(33) France
(72) VONDRELL, Randy M.	SCREEN DISPLAY DEVICE	(51) B64G 1/40
BOUVETTE, Anthony Austin	(73) GE Aviation Systems LLC	B64G 1/50
CRABTREE, Glenn David	(72) FREVILLE, Nicholas David	(11) EP3409594
(31) 201715493544	(31) 201615227003	(21) EP18174553.0
(32) 21.04.2017	(32) 03.08.2016	(47) 07.10.2020
(33) United States of America	(33) United States of America	(22) 28.05.2018
(51) B64D 27/26	(51) B64F 1/00	(54) HEATER APPARATUS AND METHOD
(11) EP3524525	B64F 1/18	FOR HEATING A COMPONENT OF
(21) EP19167428.2	G01S 13/91	A SPACECRAFT, AND SPACECRAFT
(47) 07.10.2020	G08G 5/00	COMPRISING A HEATER APPARATUS
(22) 27.10.2016	G08G 5/02	(73) ArianeGroup GmbH
(54) ENHANCED PERFORMANCE JET	G08G 5/06	(72) Werth, Erich
ENGINE MOUNTING STRUTS	G01S 17/93	(31) 102017111723
(73) The Boeing Company	(11) EP3584172	(32) 30.05.2017
(72) NAKHJAVANI, Omid B.	(21) EP18178233.5	(33) Germany
WILLIER, Robert H.	(47) 07.10.2020	(51) B65B 3/04
PARK, Paul S.	(22) 18.06.2018	B65B 3/16
HEIDARI, Mohammad Ali	(54) A METHOD AND A SYSTEM	B65B 29/00
HEBERT, Leonard J.	FOR GUIDING A PILOT OF AN	B65B 39/00
STEFANOVIC, Milan	APPROACHING AIRCRAFT TO A STOP	B65B 39/12
PARMINDER, Singh	POSITION AT A STAND	B65B 55/22
HARPAL, Naimishkumar	(73) ADB Safegate Sweden AB	(11) EP3505453
NA, Andrew Y.	(72) Berkmo, Anders	(21) EP19158927.4
(31) 201614990697	(51) B64F 1/28	(47) 07.10.2020
(32) 07.01.2016	F01M 11/04	(22) 01.05.2015
(33) United States of America	B64F 5/40	(54) PACKAGING CONTAINER FILLED
(51) B64D 33/02	B64F 5/60	WITH FLUID CONTENTS
(11) EP3546369	(11) EP3406528	(73) Toyo Seikan Group Holdings, Ltd.
(21) EP19166431.7	(21) EP17172517.9	(72) AKUTSU, Yosuke
(47) 07.10.2020	(47) 07.10.2020	WASHIZAKI, Toshirou
(22) 30.03.2019	(22) 23.05.2017	IWAMOTO, Shinya
(54) ENGINE INLET COVER DETECTION	(54) DRAINAGE SYSTEM	(31) 2014108663
SYSTEM AND METHOD	(73) Etihad Airways	2015059530
(73) Gulfstream Aerospace Corporation	(72) KLOSE, Stephan	(32) 27.05.2014
(72) Hausmann, Jeffrey	NEKKALAPUDI, Prasanth	23.03.2015
(31) 201815941337	(51) B64F 5/10	(33) Japan
(32) 30.03.2018	(11) EP3331761	Japan
(33) United States of America	(21) EP16747607.6	(51) B65B 3/04
(51) B64D 33/02	(47) 07.10.2020	B65B 31/00
F02C 7/045	(87) GB2016052367	B65B 31/04
(11) EP2895392	09.02.2017	B65B 43/46
(21) EP13760168.8	(22) 01.08.2016	B65D 81/20
(47) 07.10.2020	(54) AIRCRAFT PART ASSEMBLY	(11) EP3177534
(87) US2013056590	(73) BAE Systems PLC	(21) EP15829344.9
20.03.2014	(72) KIRKHAM, Andrew, John	(47) 07.10.2020
(22) 26.08.2013	BRADBURY, David, Mark	(87) US2015044381
(54) METALLIC SANDWICH STRUCTURE	(31) 201513823	11.02.2016
HAVING SMALL BEND RADIUS	15275184	(22) 08.08.2015
(73) The Boeing Company	(32) 05.08.2015	(54) POUCH RESIDUAL AIR REDUCTION
(72) BENEDETTI, Brenda	05.08.2015	DEVICE
FARRELL, Robert S.	(33) United Kingdom	(73) Mars, Incorporated
LEON, Luis R.	European Patent Office (EPO)	(72) CORTES, Miguel
LAN, Justin H.	(51) B64G 1/22	NIEMBRO FERNANDEZ, Luis Jorge
BOOKER, Garry A.	(11) EP3181461	(31) 201462035232 P
(31) 201213620679	(21) EP16203881.4	(32) 08.08.2014
(32) 14.09.2012	(47) 07.10.2020	(33) United States of America
(33) United States of America	(22) 13.12.2016	(51) B65B 5/06
(51) B64D 43/00	(54) DEVICE FOR HOLDING AND	B65B 25/06
G06T 11/60	RELEASING APPENDAGES	B65B 25/14
G06F 3/0484	(73) Thales	B65B 35/30
G06F 3/0488	(72) BLANC, Alain-Vincent	B65B 35/44
G06F 40/103	COMBERNOUX, Thomas	B65B 39/00
G06F 40/109	MICHELLET, François	B65B 39/02
(11) EP3279785	CHASSOULIER, Damien	B65B 39/06
(21) EP17184545.6	(31) 1502636	B65B 43/12
(47) 07.10.2020	(32) 18.12.2015	B65B 43/14
(22) 02.08.2017		B65B 43/26

B65B 43/28	(21) EP17768362.0	(47) 07.10.2020
B65B 43/30	(47) 07.10.2020	(22) 25.10.2018
B65B 51/10	(87) EP2017001109	(54) COMPOSITE CONTAINER WITH
B65B 51/14	08.02.2018	SEPARATOR FOR FORMING
B65B 61/00	(22) 02.08.2017	MULTIPLE COMPARTMENTS
(11) EP3331763	(54) PACK FOR CIGARETTES AND	(73) Sonoco Development, Inc.
(21) EP16826443.0	METHOD AND APPARATUS FOR	(72) CARPENTER, Lawrence R
(47) 07.10.2020	PRODUCING SAID PACK	(31) 201815861944
(87) IB2016054718	(73) Focke & Co. (GmbH & Co. KG)	(32) 04.01.2018
09.02.2017	(72) HÄFKER, Thomas	(33) United States of America
(22) 04.08.2016	(31) 102016114350	<hr/>
(54) APPARATUS FOR PACKAGING OF	(32) 03.08.2016	(51) B65D 5/355
A PRODUCT IN A RESPECTIVE	(33) Germany	B65D 5/468
PREFORMED WRAPPING	<hr/>	B65D 5/56
(73) Pulsar S.r.l.	(51) B65B 41/16	B65D 71/36
(72) FRANZAROLI, Massimo	B65B 47/06	(11) EP3423364
(31) UB201561098 U	(11) EP3471904	(21) EP17760875.9
(32) 06.08.2015	(21) EP17730367.4	(47) 07.10.2020
(33) Italy	(47) 07.10.2020	(87) US2017020595
<hr/>	(87) DE2017200042	08.09.2017
(51) B65B 7/02	28.12.2017	(22) 03.03.2017
B65B 43/59	(22) 11.05.2017	(54) CARTON WITH EXPANSION
B65B 51/14	(54) METHOD FOR PRODUCING A	FEATURES, BLANK AND METHOD
B65H 31/02	CONTAINER	FOR FORMING THIS CARTON
B65H 31/22	(73) Continental Teves AG & Co. OHG	(73) Graphic Packaging International, LLC
B65H 31/34	(72) GOLL, Manfred	(72) AYERST, Robert
G07D 9/00	HAVERKAMP, Martin	(31) 201662303599 P
G07D 11/00	STICKSEL, Gerhard	(32) 04.03.2016
(11) EP3263497	(31) 102016211018	(33) United States of America
(21) EP16755264.5	(32) 21.06.2016	<hr/>
(47) 07.10.2020	(33) Germany	(51) B65D 6/28
(87) JP2016054280	<hr/>	F25D 29/00
01.09.2016	(51) B65B 43/30	(11) EP2494293
(22) 15.02.2016	B31B 50/80	(21) EP10826173.6
(54) PAPER SHEET STORAGE	(11) EP3409458	(47) 07.10.2020
MECHANISM AND PAPER SHEET	(21) EP16888159.7	(87) FI2010050850
STORAGE METHOD	(47) 07.10.2020	05.05.2011
(73) Glory Ltd.	(87) JP2016086327	(22) 27.10.2010
(72) YOKOO Tomohiro	03.08.2017	(54) METHOD FOR TEMPERATURE
TAKAHASHI Kazuhiko	(22) 07.12.2016	CONTROLLED TRANSPORT
(31) 2015037441	(54) BOX OPENING DEVICE	(73) CCS Cold Cargo Solutions OY
(32) 26.02.2015	(73) Ishida Co., Ltd.	(72) PROSKIN, Jukka
(33) Japan	(72) IWASA, Tatsuya	(31) 20096113
<hr/>	TAKAHASHI, Atsushi	(32) 28.10.2009
(51) B65B 13/02	YOKOTA, Yuji	(33) Finland
B65B 13/18	NOGUCHI, Takeshi	<hr/>
B65B 13/22	ARIMATSU, Tatsuya	(51) B65D 41/16
B65B 13/30	OKANO, Hiroshi	B65D 41/18
B65B 57/00	(31) 2016011862	B65D 41/28
B65B 57/18	(32) 25.01.2016	B65D 47/08
(11) EP3552981	(33) Japan	B65D 47/20
(21) EP19178524.5	<hr/>	B65D 49/02
(47) 07.10.2020	(51) B65B 55/10	(11) EP3284693
(22) 12.06.2015	F16K 5/04	(21) EP16779892.5
(54) ELECTRICALLY POWERED	F16K 5/10	(47) 07.10.2020
COMBINATION HAND-HELD	(11) EP2695816	(87) JP2016059659
STRAPPING TOOL	(21) EP12180194.8	20.10.2016
(73) Signode Industrial Group LLC	(47) 07.10.2020	(22) 25.03.2016
(72) Boss, Walter L.	(22) 10.08.2012	(54) CONTAINER AND CAP
Figiel, Janusz	(54) Valve for controlling an air flow	(73) Tokyo Light Industry Co. Ltd.
(31) 201462026865 P	(73) Tetra Laval Holdings & Finance S.A.	Kyoraku Co., Ltd.
201514736383	(72) Donati, Andrea	(72) SAKIMURA Takaaki
(32) 21.07.2014	Anzaldi, Daniele	SASAKI Masashi
11.06.2015	Barbieri, Andrea	MIZUOCHI Masashi
(33) United States of America	Apparuti, Daniele	SASAKI Hajime
United States of America	Bartolini, Robert	ICHIKAWA Satoshi
<hr/>	<hr/>	<hr/>
(51) B65B 19/02	(51) B65D 3/04	(31) 2015083306
B65B 61/18	B65D 3/24	(32) 15.04.2015
B65D 85/10	B65D 3/28	(33) Japan
(11) EP3494066	(11) EP3508433	<hr/>
	(21) EP18202553.6	(51) B65D 41/32
		(11) EP3434614

(21) EP18168379.8	(54) TEMPERATURE-CONTROLLED STORAGE SYSTEMS	(47) 07.10.2020
(47) 07.10.2020	(73) Tokitae LLC	(22) 12.07.2012
(22) 11.07.2013	(72) ECKHOFF, Philip, A.	(54) Stop member for bounding a tilting movement of a container during emptying thereof
(54) MULTI-PORION REMOVABLE COVER APPARATUS AND RELATED METHODS	GATES, William	(73) Terberg Machines B.V.
(73) Gayer, Mark	HYDE, Roderick, A.	(72) Versteeg, Jan Paul
(72) Gayer, Mark	JUNG, Edward, K.Y.	(31) 2007120
(31) 201261670433 P	MYHRVOLD, Nathan, P.	(32) 15.07.2011
(32) 11.07.2012	PETERSON, Nels, R.	(33) Netherlands
(33) United States of America	TEGREENE, Clarence, T.	
(51) B65D 41/34	WHITMER, Charles	(51) B65G 17/12
(11) EP3321207	WOOD, Lowell, L.	B65G 47/57
(21) EP16821200.9	(31) 201313853245	G01N 35/04
(47) 07.10.2020	(32) 29.03.2013	(11) EP3060501
(87) JP2016067869	(33) United States of America	(21) EP14833185.3
12.01.2017	(51) B65D 83/44	(47) 07.10.2020
(22) 16.06.2016	(11) EP3500506	(87) IB2014065468
(54) CONTAINER WITH CAP	(21) EP17757820.0	30.04.2015
(73) Nippon Closures Co., Ltd.	(47) 07.10.2020	(22) 20.10.2014
(72) NAKAMURA Shin	(87) GB2017052405	(54) APPARATUS FOR TRANSFERRING SPECIMENS OF BIOLOGICAL MATERIAL BETWEEN LABORATORY AUTOMATION SYSTEMS PLACED AT DIFFERENT HEIGHTS
(31) 2015136839	22.02.2018	(73) Inpeco Holding Ltd
(32) 08.07.2015	(22) 16.08.2017	(72) PEDRAZZINI, Gianandrea
(33) Japan	(54) DISPENSING VALVE FOR PRESSURE PACK	(31) MI20131763
(51) B65D 51/24	(73) Rocep Lusol Holdings Limited	(32) 23.10.2013
F26B 5/06	(72) MAGUIRE, Jordan	(33) Italy
(11) EP3494349	FRUTIN, Bernard	(51) B65G 21/06
(21) EP17734769.7	(31) 201614010	B65G 21/10
(47) 07.10.2020	(32) 16.08.2016	B65G 21/20
(87) EP2017066964	(33) United Kingdom	B65G 41/00
17.08.2017	(51) B65D 88/26	(11) EP2948395
(22) 06.07.2017	B65D 88/68	(21) EP14703181.9
(54) LID FOR DRYING CONTAINER	B65D 88/74	(47) 07.10.2020
(73) Bachem AG	(11) EP3535203	(87) NL2014050039
(72) MÜLLER, Andreas	(21) EP17818028.7	31.07.2014
ERDIN, Christoph	(47) 07.10.2020	(22) 24.01.2014
(31) 16182931	(87) AT2017060297	(54) CONVEYOR AND METHOD OF PRODUCING A CONVEYOR
(32) 05.08.2016	11.05.2018	(73) Jonge Poerink Conveyors B.V.
(33) European Patent Office (EPO)	(22) 07.11.2017	(72) OUDE ROELINK, Anthonius Gerhardus
(51) B65D 55/06	(54) SILO AND METHOD FOR GASSING BULK MATERIAL	(31) 2010186
G07G 1/00	(73) Geroldinger GmbH	(32) 25.01.2013
G07G 1/12	(72) GEROLDINGER, Walter	(33) Netherlands
H05K 5/00	(31) 102016121232	
G06Q 20/00	(32) 07.11.2016	(51) B65G 25/06
(11) EP2824621	(33) Germany	C04B 7/47
(21) EP14176230.2	(51) B65D 90/12	F27B 7/38
(47) 07.10.2020	E04B 1/41	F27D 15/02
(22) 09.07.2014	E04H 9/02	(11) EP3581867
(54) Electronic payment terminal	F16B 9/02	(21) EP18177718.6
(73) Ingenico Group	(11) EP3307963	(47) 07.10.2020
(72) Janot, Cyril	(21) EP16802670.6	(22) 14.06.2018
Andre, Jérôme	(47) 07.10.2020	(54) CLINKER COOLER AND METHOD FOR OPERATING A CLINKER COOLER
Allirot, Richard	(87) IB2016053203	(73) Alite GmbH
Granddidier, Yann	08.12.2016	(72) Hammerich, Jörg
Chovin, Gauthier	(22) 01.06.2016	(51) B65H 3/52
(31) 1356872	(54) SECURING ASSEMBLY	(11) EP3456667
(32) 12.07.2013	(73) Onguard Group Limited	(21) EP18191374.0
(33) France	(72) LOMAX, William James	(47) 07.10.2020
(51) B65D 81/38	(31) 70874915	(22) 29.08.2018
F25B 17/08	71089315	(54) SHEET FEEDING APPARATUS AND IMAGE FORMING APPARATUS
F25B 21/00	(32) 03.06.2015	(73) CANON KABUSHIKI KAISHA
F25B 21/02	10.08.2015	(72) KATO, Hiroki
(11) EP2979044	(33) New Zealand	USHIOZU, Hidehiro
(21) EP14775659.7	New Zealand	
(47) 07.10.2020	(51) B65F 3/04	
(87) US2014031960	(11) EP2546172	
02.10.2014	(21) EP12176184.5	
(22) 27.03.2014		

MATSUSHIMA, Akira	United States of America	(47) 07.10.2020
KOGA, Satoshi	(51) B65H 69/06	(87) IB2015000518
(31) 2017177086	(11) EP2817441	29.09.2016
(32) 14.09.2017	(21) EP13707294.8	(22) 23.03.2015
(33) Japan	(47) 07.10.2020	(54) ELEVATOR OPERATION AND SERVICE
(51) B65H 9/16	(87) EP2013052637	PANEL
(11) EP3263495	29.08.2013	(73) Otis Elevator Company
(21) EP17175302.3	(22) 11.02.2013	(72) FAUCONNET, Aurélien
(47) 07.10.2020	(54) METHOD AND APPARATUS FOR	GUILLOT, Nicolas
(22) 09.06.2017	ENTANGLING YARNS	(51) B66B 5/00
(54) EJECTING DAMAGED /DEFORMED	(73) Teijin Aramid B.V.	B66B 13/22
MEDIA	(72) JOURNÉE, Marinus	(11) EP3271278
(73) NCR Corporation	VAN ASSENBERGH, Karel, Johannes	(21) EP15711185.7
(72) Widsten, Benjamin	(31) 12156165	(47) 07.10.2020
Gill, Sandeep Singh	(32) 20.02.2012	(87) EP2015055983
Gillier, Jason Michael	(33) European Patent Office (EPO)	29.09.2016
(31) 201615198329	(51) B65H 75/24	(22) 20.03.2015
(32) 30.06.2016	(11) EP3553010	(54) ELEVATOR TESTING ARRANGEMENT
(33) United States of America	(21) EP19168835.7	(73) Otis Elevator Company
(51) B65H 18/26	(47) 07.10.2020	(72) SIRIGU, Gerard
(11) EP3221243	(22) 12.04.2019	FONTENEAU, Nicolas
(21) EP15798364.4	(54) ANNULAR DEVICE FOR SHAFTS IN	STRICKER, Gregor
(47) 07.10.2020	WINDING MACHINES AND SHAFT	PAETOW, Alexander
(87) EP2015076700	EQUIPPED THEREWITH	GARCIA-CASLA, Javier
26.05.2016	(73) M.E.C. Mechanical Engineering	CANO-TORRES, Ricardo
(22) 16.11.2015	Consulting Srl	FOSCHINI, Gianluca
(54) CONTACT ROLL	(72) PETTINATI, Andrea	SCHROEDER-BRUMLOOP, Helmut
(73) Windmüller & Hölscher KG	(31) 201800004487	Lothar
(72) FINNEMORE, David	(32) 13.04.2018	(51) B66B 5/04
WULFERT, Alexander	(33) Italy	(11) EP3269672
HOFFMANN, Frank	(51) B66B 1/30	(21) EP15715325.5
(31) 102014223758	B66B 5/02	(47) 07.10.2020
(32) 20.11.2014	(11) EP3122676	(87) ES2015070178
(33) Germany	(21) EP15715566.4	15.09.2016
(51) B65H 19/18	(47) 07.10.2020	(22) 12.03.2015
(11) EP3294655	(87) US2015021965	(54) ELEVATOR SPEED GOVERNOR
(21) EP16736281.3	01.10.2015	(73) Otis Elevator Company
(47) 07.10.2020	(22) 23.03.2015	(72) JIMÉNEZ-GONZÁLEZ, Agustín
(87) US2016032649	(54) JOLT-FREE ELEVATOR POWER	FERNÁNDEZ, Juan José
17.11.2016	TRANSITION	DE MIGUEL URQUIJO, Antonio
(22) 16.05.2016	(73) Otis Elevator Company	(51) B66B 5/18
(54) METHOD OF LOADING A DUNNAGE	(72) PRAKASH, Om	(11) EP3388380
CONVERSION MACHINE AND SHEET	(31) 843DE2014	(21) EP17166252.1
STOCK MATERIAL USEFUL THEREIN	(32) 24.03.2014	(47) 07.10.2020
(73) Ranpak Corp.	(33) India	(22) 12.04.2017
(72) DOMINAK, Stephen Louis	(51) B66B 1/34	(54) METHOD AND ELEVATOR
SNIJDERS, Alexandra	B66B 25/00	(73) KONE Corporation
(31) 201562161563 P	B66B 27/00	(72) Koskinen, Antti
(32) 14.05.2015	(11) EP3347295	Puranen, Mikko
(33) United States of America	(21) EP16753363.7	Laitinen, Serguei
(51) B65H 20/12	(47) 07.10.2020	(51) B66B 5/18
B65H 27/00	(87) EP2016069468	B66B 5/24
(11) EP3133036	16.03.2017	(11) EP3538468
(21) EP16184026.9	(22) 17.08.2016	(21) EP17793654.9
(47) 07.10.2020	(54) PERSON TRANSPORT SYSTEM	(47) 07.10.2020
(22) 12.08.2016	WITH A DEVICE FOR DETERMINING	(87) EP2017078116
(54) WEB PROCESSING ROLL HAVING	OPERATING STATE	17.05.2018
DIRECTIONAL VACUUM PORTS	(73) Inventio AG	(22) 03.11.2017
(73) C.G. Bretting Manufacturing Co., Inc.	(72) LUSTENBERGER, Ivo	(54) CABLE BRAKE, LIFT CABIN AND LIFT
(72) MICHLER, James R.	(31) 15184737	ASSEMBLY
BRETTING, Richard D.	(32) 10.09.2015	(73) Inventio AG
KAUPPILA, Greg M.	(33) European Patent Office (EPO)	(72) HUSMANN, Josef
(31) 201562206123 P	(51) B66B 1/46	(31) 16198242
201615218502	B66B 5/00	(32) 10.11.2016
(32) 17.08.2015	B66B 19/00	(33) European Patent Office (EPO)
25.07.2016	(11) EP3274286	(51) B66B 5/22
(33) United States of America	(21) EP15731658.9	F16F 1/18

(11) EP3216739	(54) CONNECTING DEVICE AND METHOD	(33) Denmark
(21) EP17159979.8	FOR CONNECTING A WALL ELEMENT	(51) B66C 3/00
(47) 07.10.2020	IN AN ELEVATOR CAR	E02F 3/36
(22) 09.03.2017	(73) Inventio AG	(11) EP3441531
(54) ELEVATOR SAFETY SPRING AND	(72) STEINER, Adrian	(21) EP18187352.2
METHOD OF MANUFACTURING	D'APICE, Alessandro	(47) 07.10.2020
(73) Otis Elevator Company	NOTTER, Oliver	(22) 03.08.2018
(72) CHEN, Shihemn	OTTIGER, Simon	(54) SWIVEL HEAD FOR BUCKETS
LIU, Joe J.	(31) 16201274	(73) NEGRINI S.r.l.
KUCZEK, Andrzej Ernest	(32) 29.11.2016	(72) NEGRINI, Massimo
EL-WARDANY, Tahany Ibrahim	(33) European Patent Office (EPO)	(31) 201700091689
LUO, Xiaodong	(51) B66B 11/04	(32) 08.08.2017
POLAK, David R.	B66B 15/04	(33) Italy
DRAPER, James M	(11) EP2969876	(51) B66C 13/06
KRISS, John J.	(21) EP13878064.8	E02F 9/00
LIANG, Duan	(47) 07.10.2020	E04G 21/04
O'COIN, Patricia L	(87) US2013032194	G05D 15/00
DESAI, Aayush	18.09.2014	(11) EP3526426
(31) 201662306934 P	(22) 15.03.2013	(21) EP17780781.5
(32) 11.03.2016	(54) TRACTION SHEAVE FOR ELEVATOR	(47) 07.10.2020
(33) United States of America	SYSTEM	(87) EP2017076224
(51) B66B 7/02	(73) Otis Elevator Company	19.04.2018
B66B 11/00	(72) MARTIN, Kyle B.	(22) 13.10.2017
B66B 11/04	(51) B66B 15/04	(54) METHOD AND DEVICE FOR
(11) EP1621509	(11) EP2969877	CONTROLLING THE MOVEMENT OF A
(21) EP05108447.3	(21) EP13877545.7	CONCRETE PLACING BOOM
(47) 07.10.2020	(47) 07.10.2020	(73) Putzmeister Engineering GmbH
(22) 28.08.2003	(87) US2013032155	(72) HUTH, Tobias
(54) Positioning of a driving machine for	18.09.2014	(31) 16193888
elevators	(22) 15.03.2013	(32) 14.10.2016
(73) Inventio AG	(54) ASYMMETRIC AND STEERED	(33) European Patent Office (EPO)
(72) Fischer, Daniel	SHEAVES FOR TWISTED MULTI-BELT	(51) B66C 13/22
(31) 02405768	ELEVATOR SYSTEMS	(11) EP3313770
03405297	(73) Otis Elevator Company	(21) EP16730692.7
(32) 05.09.2002	(72) LOTFI, Amir	(47) 07.10.2020
29.04.2003	GITHENS, Alan Stover	(87) EP2016001055
(33) European Patent Office (EPO)	(51) B66C 1/10	29.12.2016
European Patent Office (EPO)	B66C 1/24	(22) 21.06.2016
(51) B66B 7/06	(11) EP3372549	(54) CRANE AND METHOD FOR
B66B 23/02	(21) EP18000233.9	CONTROLLING SAME
(11) EP3507228	(47) 07.10.2020	(73) Liebherr-Components Biberach GmbH
(21) EP17758195.6	(22) 06.03.2018	(72) RESCH, Jürgen
(47) 07.10.2020	(54) GRIPPER AND TRAVERSE WITH AT	(31) 102015008038
(87) EP2017071829	LEAST ONE GRIPPER	(32) 23.06.2015
08.03.2018	(73) SpanSet Axzion GmbH	(33) Germany
(22) 31.08.2017	(72) FRANKE, Boris	(51) B66C 23/18
(54) CHAIN LINK FOR A HEAVY-DUTY	(31) 102017002138	F03D 80/50
CONVEYOR CHAIN OF A MOVING	(32) 08.03.2017	(11) EP3504149
WALKWAY, AN ESCALATOR OR	(33) Germany	(21) EP17752282.8
ELEVATOR	(51) B66C 1/10	(47) 07.10.2020
(73) Inventio AG	B66C 1/66	(87) DK2017050260
(72) WAGENLEITNER, Georg	B66C 13/08	08.03.2018
GARTNER, Manfred	B66C 13/46	(22) 11.08.2017
NOVACEK, Thomas	G01B 7/30	(54) METHOD AND APPARATUS OF
BOROS, Csaba	G01B 7/31	PERFORMING MAINTENANCE ON A
(31) 16186570	G01B 21/22	WIND TURBINE COMPONENT
(32) 31.08.2016	G01B 21/24	(73) MHI Vestas Offshore Wind A/S
(33) European Patent Office (EPO)	(11) EP3383785	(72) NUMAJIRI, Tomohiro
(51) B66B 11/02	(21) EP16816193.3	(31) PA201670658
E04F 13/08	(47) 07.10.2020	(32) 29.08.2016
(11) EP3548412	(87) DK2016050387	(33) Denmark
(21) EP17804907.8	08.06.2017	(51) B66D 3/00
(47) 07.10.2020	(22) 23.11.2016	F16G 11/06
(87) EP2017080752	(54) LIFTING BRACKET	(11) EP2848839
07.06.2018	(73) Liftra IP ApS	(21) EP14181932.6
(22) 29.11.2017	(72) FENGER, Per	(47) 07.10.2020
	(31) 201500780	(22) 22.08.2014
	(32) 03.12.2015	

(54) DEVICE FOR FIXING A WIRE CABLE	(54) MEMS STRUCTURE WITH GRAPHENE COMPONENT	(54) SPARSE TRUSS STRUCTURES AND METHODS OF MAKING THE SAME
(73) Rikli, Chrisian	(73) Robert Bosch GmbH	(73) HRL Laboratories LLC
(72) Rikli, Chrisian	(72) SAMARAO, Ashwin	(72) CLOUGH, Eric, C.
(31) 14912013	YEE, Seow Yuen	ENSBERG, Jie
(32) 30.08.2013	LAERMER, Franz	JACOBSEN, Alan, J.
(33) Switzerland	YAMA, Gary	HUNDLEY, Jacob, M.
(51) B66F 9/06	(31) 201615252637	CARTER, William
G01C 21/00	(32) 31.08.2016	SCHAEDLER, Tobias, A.
G05D 1/02	(33) United States of America	
(11) EP2863284	(51) B82Y 5/00	(51) B82Y 30/00
(21) EP14198585.3	H04N 5/369	B82Y 40/00
(47) 07.10.2020	H01L 27/146	D01D 1/02
(22) 24.08.2012	H01L 31/10	D01D 5/06
(54) Method and apparatus for using unique landmarks to locate industrial vehicles at start-up	(11) EP3582264	D01F 1/09
(73) Crown Equipment Corporation	(21) EP19188129.1	D01F 1/10
(72) Goode, Christopher, W.	(47) 07.10.2020	D01F 6/14
Waltz, Lucas B.	(22) 17.06.2016	D01F 6/16
Wong, Lisa	(54) IMAGING DEVICE	(11) EP2698457
Graham, Andrew Evan	(73) Panasonic Intellectual Property Management Co., Ltd.	(21) EP12758257.5
(31) 201113219271	(72) NOZAWA, Katsuya	(47) 07.10.2020
(32) 26.08.2011	(31) 2015137063	(87) KR2012001719
(33) United States of America	2015137064	20.09.2012
(51) B66F 9/07	2016082890	(22) 09.03.2012
G05D 1/02	(32) 08.07.2015	(54) HYBRID POLYMER COMPOSITE FIBER INCLUDING GRAPHENE AND CARBON NANOTUBE, AND METHOD FOR MANUFACTURING SAME
(11) EP3504601	08.07.2015	(73) IUCF-HYU (Industry-University Cooperation Foundation Hanyang University)
(21) EP17764491.1	18.04.2016	(72) KIM, Seon Jeong
(47) 07.10.2020	(33) Japan	SHIN, Min Kyoon
(87) US2017048608	Japan	KIM, Shi Hyeong
01.03.2018	Japan	(31) 20110022834
(22) 25.08.2017	(51) B82Y 10/00	(32) 15.03.2011
(54) MULTI-FIELD SCANNING TOOLS IN MATERIALS HANDLING VEHICLES	B82Y 40/00	(33) Korea (Republic)
(73) Crown Equipment Corporation	G03F 7/00	(51) B82Y 30/00
(72) POSCHL, Franz	G03F 9/00	G01N 21/64
WELLMAN, Timothy A.	(11) EP2584408	G01N 21/65
HANNEMAN, Stefan	(21) EP13151571.0	G01N 29/02
OKROY, Martin	(47) 07.10.2020	G01N 29/24
SAUER, Stefan	(22) 05.02.2008	G01N 21/552
DONNELLY, Jess	(54) Imprint method and imprint apparatus	(11) EP3028033
(31) 201662380145 P	(73) Canon Kabushiki Kaisha	(21) EP14835171.1
(32) 26.08.2016	(72) Okushima, Shingo	(47) 07.10.2020
(33) United States of America	Suehira, Nobuhito	(87) IL2014050522
(51) B66F 9/22	Seki, Junichi	12.02.2015
F16F 9/512	Kasumi, Kazuyuki	(22) 10.06.2014
(11) EP3585720	(31) 2007027168	(54) OPTICAL SENSOR BASED ON MULTILAYERED PLASMONIC STRUCTURE COMPRISING A NANOPOROUS METALLIC LAYER
(21) EP17706736.0	2007050545	(73) Photonicsys Ltd.
(47) 07.10.2020	(32) 06.02.2007	(72) ABDULHALIM, Ibrahim
(87) EP2017053962	28.02.2007	(31) 201361862018 P
30.08.2018	(33) Japan	(32) 04.08.2013
(22) 21.02.2017	(51) B82Y 20/00	(33) United States of America
(54) CATCHING CYLINDER FOR A LOAD LIFTING DEVICE, AS WELL AS LOAD LIFTING DEVICE WITH A CATCHING CYLINDER	B82Y 30/00	(51) B82Y 40/00
(73) Flexlift Hubgeräte GmbH	B81B 1/00	B82B 3/00
MBS-Hydraulik GmbH & Co. Kommanditgesellschaft	B81C 1/00	C30B 1/02
(72) LIEBKE, Karsten	E04B 5/02	C30B 25/10
(51) B81B 3/00	E04B 5/48	C30B 25/18
B81C 1/00	E04C 3/28	C30B 29/02
(11) EP3507238	G02B 6/12	C01B 32/186
(21) EP17751727.3	G03F 7/00	C01B 32/188
(47) 07.10.2020	B33Y 10/00	(11) EP3102538
(87) EP2017070275	B33Y 80/00	(21) EP15746334.0
08.03.2018	(11) EP3341322	(47) 07.10.2020
(22) 10.08.2017	(21) EP15902420.7	
	(47) 07.10.2020	
	(87) US2015046771	
	02.03.2017	
	(22) 25.08.2015	

(87) SG2015000029 13.08.2015	United States of America United States of America	D21H 17/69 D21H 19/38
(22) 04.02.2015	United States of America	(11) EP3325409
(54) METHOD OF PULSED LASER-BASED LARGE AREA GRAPHENE SYNTHESIS ON METALLIC AND CRYSTALLINE SUBSTRATES	United States of America United States of America United States of America United States of America	(21) EP16742350.8 (47) 07.10.2020 (87) FR2016051624 26.01.2017
(73) National University of Singapore	United States of America	(22) 30.06.2016
(72) OZYILMAZ, Barbaros STIER, Andreas Volker TOH, Chee Tat CASTRO NETO, Antonio Helio	United States of America <hr/> (51) C01B 3/34 C07C 29/151 C07C 31/08	(54) PRODUCTION OF PRECIPITATED CALCIUM CARBONATE (73) COATEX (72) JACQUEMET, Christian
(31) 201461935535 P 201462020527 P	(11) EP3176148 (21) EP15827679.0	(31) 1556789 (32) 17.07.2015
(32) 04.02.2014 03.07.2014	(47) 07.10.2020 (87) JP2015071140 04.02.2016	(33) France <hr/> (51) C01F 11/18 D21C 9/00 D21H 17/67
(33) United States of America United States of America	(22) 24.07.2015	D21H 17/70 D21H 23/06
(51) C01B 3/34 C01B 3/48 C01B 3/50 C01C 1/04 C10G 2/00 C10K 3/04 C25B 3/02 H01M 8/14 H01M 8/04 H01M 8/04014 H01M 8/04111 H01M 8/0668	(54) ALCOHOL PRODUCTION DEVICE AND ALCOHOL PRODUCTION METHOD (73) Sekisui Chemical Co., Ltd. (72) KOMA, Satoshi (31) 2014155501 (32) 30.07.2014 (33) Japan <hr/> (51) C01B 13/11 H02M 5/458 H02M 7/537	(11) EP2606181 (21) EP11817817.7 (47) 07.10.2020 (87) FI2011050716 23.02.2012 (2) 16.08.2011 (54) A METHOD AND A SYSTEM FOR PRECIPITATION OF CALCIUM CARBONATE AND A PRODUCT COMPRISING CALCIUM CARBONATE
(11) EP2969928 (21) EP14717587.1 (47) 07.10.2020 (87) US2014025180 25.09.2014	(21) EP12174905.5 (47) 07.10.2020 (22) 14.08.2006 (54) LOAD RESONANT TYPE POWER SUPPLY FOR OZONIZER (73) MKS Instruments, Inc. (72) Elkin, Igor Millner, Alan Tran, Ken Joshi, Madhuwanti	(73) UPM-Kymmene Corporation Wetend Technologies Oy (72) SOLISMAA, Päivi (31) 20105868 (32) 20.08.2010 (33) Finland <hr/> (51) C02F 1/00 (11) EP1682451 (21) EP04801042.5 (47) 07.10.2020 (87) US2004037897 02.06.2005
(22) 13.03.2014	(72) Elkin, Igor Millner, Alan Tran, Ken Joshi, Madhuwanti	(31) 20105868 (32) 20.08.2010 (33) Finland <hr/> (51) C02F 1/00 (11) EP1682451 (21) EP04801042.5 (47) 07.10.2020 (87) US2004037897 02.06.2005
(54) INTEGRATED POWER GENERATION AND CARBON CAPTURE USING FUEL CELLS	(72) Elkin, Igor Millner, Alan Tran, Ken Joshi, Madhuwanti	(31) 20105868 (32) 20.08.2010 (33) Finland <hr/> (51) C02F 1/00 (11) EP1682451 (21) EP04801042.5 (47) 07.10.2020 (87) US2004037897 02.06.2005
(73) ExxonMobil Research and Engineering Company	(31) 708445 P (32) 16.08.2005 (33) United States of America	(31) 20105868 (32) 20.08.2010 (33) Finland <hr/> (51) C02F 1/00 (11) EP1682451 (21) EP04801042.5 (47) 07.10.2020 (87) US2004037897 02.06.2005
(72) BERLOWITZ, Paul, J. BARCKHOLTZ, Timothy, Andrew HERSHKOWITZ, Frank	(31) 708445 P (32) 16.08.2005 (33) United States of America	(31) 20105868 (32) 20.08.2010 (33) Finland <hr/> (51) C02F 1/00 (11) EP1682451 (21) EP04801042.5 (47) 07.10.2020 (87) US2004037897 02.06.2005
(31) 201361787879 P 201361788628 P 201361787587 P 201361787697 P 201361884605 P 201361884635 P 201361884586 P 201361884565 P 201361884376 P 201361884545 P 201361889757 P	(51) C01B 25/42 C01B 25/45 C01G 45/00 H01B 1/08 H01M 4/58 (11) EP2892091 (21) EP13834181.3 (47) 07.10.2020 (87) CN2013082451 06.03.2014 (22) 28.08.2013 (54) METHOD OF PRODUCING BATTERY COMPOSITE MATERIAL AND ITS PRECURSOR (73) Advanced Lithium Electrochemistry Co., Ltd. (72) LEE, Wenchao LIN, Hsiangpin HSIEH, Hanwei (31) 201261694034 P (32) 28.08.2012 (33) United States of America	(31) 20105868 (32) 20.08.2010 (33) Finland <hr/> (51) C02F 1/00 (11) EP2616393 (21) EP11825610.6 (47) 07.10.2020 (87) US2011047083 22.03.2012 (2) 09.08.2011 (54) WATER TREATMENT FEEDER DEVICE USING A PACKAGE OF WATER TREATMENT PELLETS (73) Evapco, INC. (72) FERRARI, Sarah LANE, John, W.
(32) 15.03.2013 15.03.2013 15.03.2013 30.09.2013 30.09.2013 30.09.2013 30.09.2013 30.09.2013 30.09.2013 30.09.2013 11.10.2013	(51) C01F 11/18 C09C 1/02 D21H 17/00 D21H 17/67	(31) 885291
(33) United States of America United States of America	D21H 17/00 D21H 17/67	(31) 885291

(32) 17.09.2010	(11) EP2720984	(32) 14.03.2013
(33) United States of America	(21) EP12801066.7	(33) United States of America
(51) C02F 1/32	(47) 07.10.2020	(51) C03C 17/00
(11) EP3119722	(87) US2012000206	G02B 27/00
(21) EP15709315.4	20.12.2012	G02B 1/111
(47) 07.10.2020	(22) 17.04.2012	G02B 1/18
(87) GB2015050628	(54) WATER TREATMENT SYSTEM FOR	(11) EP3141934
24.09.2015	SIMULTANEOUS NITRIFICATION AND	(21) EP16001818.0
(22) 05.03.2015	DENITRIFICATION	(47) 07.10.2020
(54) POND FILTERS AND UV FILTER	(73) Smith, Dean	(22) 18.08.2016
CHAMBERS FOR POND FILTERS	Lysenstoen, Ola	(54) OPTICAL MEMBER COMPRISING AN
(73) SA EXEL Industries	Tope-McKay, Cary	ANTIREFLECTIVE FILM INCLUDING A
(72) OSMENT, Matthew	Gorian, Gary	POROUS LAYER AND METHOD FOR
(31) 201404817	(72) Smith, Dean	MANUFACTURING THE SAME
(32) 17.03.2014	Lysenstoen, Ola	(73) Canon Kabushiki Kaisha
(33) United Kingdom	Tope-McKay, Cary	(72) Nakayama, Tomonari
(51) C02F 1/469	(31) 201161497482 P	Makino, Kenji
H01M 2/14	201113315276	(31) 2015180067
H01M 10/38	(32) 15.06.2011	2015180066
(11) EP2605326	08.12.2011	(32) 11.09.2015
(21) EP11816664.4	(33) United States of America	11.09.2015
(47) 07.10.2020	United States of America	(33) Japan
(87) KR2011006010	(51) C03B 9/16	Japan
16.02.2012	C03B 9/193	(51) C04B 7/44
(22) 16.08.2011	(11) EP3378842	F23B 50/10
(54) FLUIDIZED-BED ELECTRODE	(21) EP18162854.6	F23G 5/00
SYSTEM, HIGH-CAPACITY POWER	(47) 07.10.2020	F23G 5/027
STORAGE AND WATER TREATMENT	(22) 20.03.2018	F23G 5/24
METHOD USING SAME	(54) INVERTER UNIT FOR A GLASSWARE	F27B 7/02
(73) Korea Institute of Energy Research	FORMING MACHINE	F27B 7/20
(72) KIM, Dong-Kook	(73) Bottero S.p.A.	(11) EP3405728
KIM, Tae-Hwan	(72) BAROLO, Maurizio	(21) EP17700853.9
CHO, Churl-Hee	KUZ, Zdenko	(47) 07.10.2020
PARK, Chong-Su	(31) 201700032224	(87) EP2017051240
CHOO, Ko-Yeon	(32) 23.03.2017	27.07.2017
YEO, Jeong-Ku	(33) Italy	(22) 20.01.2017
(31) 20100078543	(51) C03B 37/08	(54) U-SHAPED COMBUSTOR AND
(32) 13.08.2010	(11) EP2035338	METHOD FOR USE IN CEMENT
(33) Korea (Republic)	(21) EP07749237.9	PLANTS
(51) C02F 3/00	(47) 07.10.2020	(73) FLSmidth A/S
C02F 3/02	(87) US2007002078	(72) LEBÆK, Jesper
C02F 3/06	13.12.2007	DRIVSHOLM, Morten
C02F 3/10	(22) 24.01.2007	NØRSKOV, Linda Kaare
C02F 3/12	(54) METHOD FOR PRODUCING A	WASSARD, Henrik
C02F 3/20	CHITOSAN-ARGININE COMPOUND	HJULER, Klaus
C02F 3/30	(73) Synedgen, Inc.	(31) 201670033
C02F 7/00	(72) BAKER, Shenda	(32) 22.01.2016
C02F 101/16	WIESMANN, William, P.	(33) Denmark
(11) EP3209613	RYAN, Shannon	(51) C04B 20/10
(21) EP15853158.2	(31) 810591 P	C04B 26/06
(47) 07.10.2020	838780 P	(11) EP3393994
(87) CA2015000547	(32) 02.06.2006	(21) EP16740961.4
28.04.2016	18.08.2006	(47) 07.10.2020
(22) 20.10.2015	(33) United States of America	(87) EP2016001067
(54) WATER TREATMENT SYSTEM AND	United States of America	29.06.2017
METHOD	(51) C03C 3/091	(22) 23.06.2016
(73) Bionest Technologies Inc.	C03C 3/093	(54) COMPOSITION FOR A PASTY FILLER
(72) BOUTET, Étienne	(11) EP2969986	MATERIAL, PASTY FILLER, AND
BAILLARGEON, Serge	(21) EP14715509.7	METHOD FOR PRODUCING A PASTY
LORD, Garfield R.	(47) 07.10.2020	FILLER MATERIAL
(31) 201462066033 P	(87) US2014025510	(73) Knauf Gips KG
(32) 20.10.2014	02.10.2014	(72) WINGS, Norbert
(33) United States of America	(22) 13.03.2014	(31) 15003627
(51) C02F 3/20	(54) DIMENSIONALLY-STABLE, DAMAGE-	(32) 21.12.2015
C02F 3/30	RESISTANT, GLASS SHEETS	(33) European Patent Office (EPO)
C02F 103/06	(73) Corning Incorporated	(51) C04B 35/00
C02F 103/22	(72) ELLISON, Adam James	F27B 17/02
C02F 103/32	(31) 201361781604 P	F27B 21/00

F27D 19/00	(54) NOVEL COMPOUND AND SEMICONDUCTOR MATERIAL CONTAINING SAME	(31) 201562266038 P
(11) EP3534097	(73) DIC Corporation	(32) 11.12.2015
(21) EP17865657.5	(72) INAGAKI, Sho	(33) United States of America
(47) 07.10.2020	ISHIZUKA, Aya	<hr/>
(87) CN2017099293	ETORI, Hideki	(51) C07C 45/00
03.05.2018	(31) 2016053866	C09K 8/035
(22) 28.08.2017	(32) 17.03.2016	C09K 8/532
(54) RAPID SINTERING SYSTEM AND RAPID SINTERING METHOD	(33) Japan	(11) EP3578622
(73) Liaoning Upcera Co., Ltd	<hr/>	(21) EP19176651.8
(72) HE, Lingliang	(51) C07B 61/00	(47) 07.10.2020
XIA, Wanting	C07C 17/20	(22) 17.05.2017
GUO, Ying	C07C 17/25	(54) SYNERGIZED ACETALS COMPOSITION AND METHOD FOR SCAVENGING SULFIDES AND MERCAPTANS
BAI, Yingying	C07C 21/18	(73) Clariant International Ltd
HAN, Chengwei	(11) EP3404006	Clariant S.A.
(31) 201610930920	(21) EP17738457.5	(72) DE OLIVEIRA FILHO, Antonio Pedro
(32) 31.10.2016	(47) 07.10.2020	KINA, Alina
(33) China	(87) JP2017000707	TAYLOR, Grahame
<hr/>	20.07.2017	WYLDE, Jonathan
(51) C04B 35/573	(22) 12.01.2017	BEGEAL, James
C04B 35/591	(54) METHOD FOR PRODUCING TRANS-1-CHLORO-3, 3, 3-TRIFLUOROPROPENE	YOUSEF, Ali
C04B 35/80	(73) Central Glass Company, Limited	KRULL, Matthias
(11) EP2970021	(72) OKAMOTO, Satoru	SAHL, Mike
(21) EP14724858.7	UEDA, Koji	(31) 201615200390
(47) 07.10.2020	KITAMOTO, Takamasa	201615200471
(87) US2014028827	(31) 2016006652	201715467688
18.09.2014	(32) 15.01.2016	(32) 01.07.2016
(22) 14.03.2014	(33) Japan	01.07.2016
(54) REACTIVE MELT INFILTRATED CERAMIC MATRIX COMPOSITE	<hr/>	23.03.2017
(73) Rolls-Royce Corporation	(51) C07C 2/66	(33) United States of America
(72) CHAMBERLAIN, Adam Lee	C07C 4/06	United States of America
(31) 201361802199 P	C07C 11/06	United States of America
201314141969	C07C 15/04	<hr/>
(32) 15.03.2013	C07C 15/085	(51) C07C 63/04
27.12.2013	C10G 1/10	C07C 67/08
(33) United States of America	C10G 65/04	C07C 69/76
United States of America	(11) EP3565799	C07C 201/08
<hr/>	(21) EP18704072.0	(11) EP3619188
(51) C04B 41/89	(47) 07.10.2020	(21) EP18749310.1
(11) EP2507194	(87) IB2018050048	(47) 07.10.2020
(21) EP10834145.4	12.07.2018	(87) EP2018069192
(47) 07.10.2020	(22) 03.01.2018	24.01.2019
(87) CN2010001214	(54) CONVERSION OF WASTE PLASTIC TO PROPYLENE AND CUMENE	(22) 16.07.2018
09.06.2011	(73) SABIC Global Technologies B.V.	(54) METHOD FOR PREPARATION OF 5-FLUORO-2-METHYL-3-NITROBENZOIC ACID AND ITS METHYL ESTER
(22) 10.08.2010	(72) RAMAMURTHY, Krishna Kumar	(73) Lonza Ltd
(54) COATINGS FOR CERAMIC SUBSTRATES	NARAYANASWAMY, Ravichander	(72) BERSIER, Michael
(73) Allnex Belgium S.A.	GANAPATHY BHOTLA, Venkata	KULESZA, Anna
Allnex Resins (Shanghai) Co., Ltd.	Ramanarayanan	HANSELMANN, Paul
(72) SHENG, Hong	STANISLAUS, Alexander	AELLIG, Christof
WU, Ming	GANJI, Santosh	FILLIGER, Sarah
MOENS, Luc	(31) 201762442679 P	(31) 17181783
XIA, Alex	(32) 05.01.2017	201762533712 P
(31) PCT/CN2009/075237	(33) United States of America	(32) 18.07.2017
(32) 01.12.2009	<hr/>	18.07.2017
(33) World Intellectual Property Office (WIPO)	(51) C07C 37/20	(33) European Patent Office (EPO)
<hr/>	C07C 39/16	United States of America
(51) C07B 61/00	(11) EP3386938	<hr/>
C07C 15/28	(21) EP16813327.0	(51) C07C 211/54
H01L 29/786	(47) 07.10.2020	C07D 209/82
H01L 51/05	(87) US2016065085	C07D 307/91
H01L 51/30	15.06.2017	C07D 333/76
C09D 11/00	(22) 06.12.2016	C09K 11/06
(11) EP3431462	(54) METHOD OF BISPHENOL MANUFACTURE	H01L 51/54
(21) EP17766657.5	(73) SABIC Global Technologies B.V.	(11) EP3466926
(47) 07.10.2020	(72) CARRILLO, Alvaro	(21) EP17803076.3
(87) JP2017010130	PANDEY, Satish Chandra	(47) 07.10.2020
21.09.2017	MEDIRATTA, Gaurav	(87) KR2017005414
(22) 14.03.2017		

30.11.2017	(33) United Kingdom	(54) PHOTOCROMIC MULTIPLE RING-FUSED NAPHTHOPYRANS HAVING EXTREME LONGWAVE ABSORPTION EXTENDING FAR INTO THE VISIBLE WAVELENGTH RANGE
(22) 24.05.2017	(51) C07D 209/86	
(54) COMPOUND FOR ORGANIC ELECTRONIC ELEMENT, ORGANIC ELECTRONIC ELEMENT USING SAME AND ELECTRONIC DEVICE THEREFOR	H01L 51/00	
	H01L 51/50	
(73) Duk San Neolux Co., Ltd.	(11) EP3429995	(73) Rodenstock GmbH
(72) MUN, Soung Yun	(21) EP17716468.8	(72) WEIGAND, Udo
JANG, Jae Wan	(47) 07.10.2020	ZINNER, Herbert
LEE, Yun Suk	(87) EP2017056226	(31) 102016011559
PARK, Jong Gwang	21.09.2017	(32) 26.09.2016
CHOI, Yeon Hee	(22) 16.03.2017	(33) Germany
PARK, Chi Hyun	(54) ORGANIC MOLECULES FOR USE AS EMITTERS	(51) C07D 401/04
(31) 20160065005	(73) cynora GmbH	C07D 401/14
20160084282	(72) DANZ, Michael	C07D 403/04
20170063537	(31) 102016104929	C07D 403/14
(32) 26.05.2016	16186804	C07D 405/12
04.07.2016	(32) 16.03.2016	C07D 405/14
23.05.2017	01.09.2016	C07D 471/04
(33) Korea (Republic)	(33) Germany	(11) EP3409669
Korea (Republic)	European Patent Office (EPO)	(21) EP18182201.6
Korea (Republic)	(51) C07D 277/36	(47) 07.10.2020
(51) C07C 235/06	G01N 33/52	(22) 13.05.2015
C07C 247/04	(11) EP3404022	(54) HETEROARYL COMPOUNDS FOR KINASE INHIBITION
C07C 271/12	(21) EP17305591.4	(73) ARIAD Pharmaceuticals, Inc.
C07C 271/16	(47) 07.10.2020	(72) HUANG, Wei-sheng
C07C 271/20	(22) 19.05.2017	GONG, Yongjin
C07C 271/22	(54) MEMBRANE-IMPERMEANT FLUOROGENIC CHROMOPHORES	LI, Feng
C07C 275/10	(73) Paris Sciences et Lettres - Quartier Latin	BENCIVENGA, Nicholas, E.
C07C 275/14	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	DALGARNO, David, C.
C07C 275/16	Institut Curie	KOHLMANN, Anna
C07C 323/58	SORBONNE UNIVERSITE	SHAKESPEARE, William, C.
C07K 16/32	(72) GAUTIER, Arnaud	THOMAS, Ranny, M.
(11) EP3030545	JULLIEN, Ludovic	ZHU, Xiaotian
(21) EP14815430.5	LI, Cheng	WEST, Angela, V.
(47) 07.10.2020	PEREZ, Franck	YOUNGSAYE, Willmen
(87) IB2014002505	(51) C07D 311/72	ZHANG, Yun
12.02.2015	(11) EP3160953	ZHOU, Tianjun
(22) 04.08.2014	(21) EP15734566.1	(31) 201462014500 P
(54) AMINO ACID DERIVATIVES	(47) 07.10.2020	(32) 19.06.2014
(73) MedImmune Limited	(87) EP2015001094	(33) United States of America
(72) MARELLI, Marcello	30.12.2015	(51) C07F 3/02
BRUNT, Michael, Van	(22) 29.05.2015	C07F 7/00
GRABSTEIN, Kenneth, H.	(54) PROCESS FOR OBTAINING VITAMIN E, STEROLS AND/OR TERPENES FROM OLEAGINOUS COMPOSITIONS OF BIOLOGICAL ORIGIN	C07F 7/28
(31) 201361862497 P	(73) WeylChem Wiesbaden GmbH	C08F 110/06
(32) 05.08.2013	(72) MORSCHHÄUSER, Roman	(11) EP2897965
(33) United States of America	KCHIRID, Said	(21) EP13795861.7
(51) C07D 207/09	SCHOLZ, Hans Jürgen	(47) 07.10.2020
C07D 239/86	(31) 102014009237	(87) IB2013058792
C07D 403/12	(32) 24.06.2014	27.03.2014
(11) EP3286169	(33) Germany	(22) 24.09.2013
(21) EP16783708.7	(51) C07D 311/92	(54) PRECURSOR FOR CATALYST, PROCESS FOR PREPARING THE SAME AND ITS USE THEREOF
(47) 07.10.2020	C07D 493/04	(73) Indian Oil Corporation Ltd
(87) US2016028332	C07D 493/14	(72) SINGH, Gurmeet
27.10.2016	C07D 495/04	BANTU, Bhasker
(22) 20.04.2016	C09B 57/00	KAUR, Sukhdeep
(54) PROTAC COMPOUNDS MODULATING RIP2 KINASE ACTIVITY	G02B 5/23	KUMAR, Naresh
(73) GlaxoSmithKline Intellectual Property Development Limited	(11) EP3515991	KAPUR, Gurpreet Singh
(72) CASILLAS, Linda, N.	(21) EP17731064.6	KANT, Shashi
HARLING, John, David	(47) 07.10.2020	BASU, Biswajit
MIAH, Afjal, Hussain	(87) EP2017000617	MALHOTRA, Ravinder Kumar
RACKHAM, Mark, David	29.03.2018	(31) 2649MU2012
SMITH, Ian, Edward, David	(22) 23.05.2017	(32) 24.09.2012
(31) 201506872		(33) India
(32) 22.04.2015		(51) C07F 7/00
		(11) EP3511335

(21) EP18151027.2	(31) 201261653087 P	ZHAO, Mingwei
(47) 07.10.2020	(32) 30.05.2012	(31) 201562116073 P
(22) 10.01.2018	(33) United States of America	(32) 13.02.2015
(54) MANUFACTURE OF METALLASILISESQUIOXANES	(51) C07H 23/00	(33) United States of America
(73) Nitrochemie Aschau GmbH	G01N 21/77	(51) C07K 14/415
(72) LANGERBEINS, Klaus	G01N 21/78	C12N 15/82
KRUPP, Alexis	G01N 31/22	(11) EP3527583
SCHERSCHLICHT, Karl Heinz	(11) EP2694958	(21) EP19151237.5
GERRITSEN, Gijsbert	(21) EP12712281.0	(47) 07.10.2020
ABBENHUIS, Hendrikus Cornelis Louis	(47) 07.10.2020	(22) 04.06.2010
PICHL, Ulrich	(87) EP2012056331	(54) GENE FOR INCREASING PLANT WEIGHT AND METHOD FOR USING THE SAME
(51) C07F 7/12	11.10.2012	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
C07F 7/18	(22) 05.04.2012	(72) KONDO, Satoshi
C08G 77/14	(54) OPTICAL DETECTION OF CYANIDES, METHOD, KIT AND DEVICE	OHTO, Chikara
C08G 77/24	(73) CyanoGuard AG	TAGAKI, Masaru
(11) EP3259277	(72) ZELDER, Felix	MATSUI, Kyoko
(21) EP16708520.8	MÄNNEL-CROISÉ, Christine	KOYAMA, Tomotsugu
(47) 07.10.2020	(31) 11161228	MITSUDA, Nobutaka
(87) US2016017303	11179084	MURAMOTO, Nobuhiko
25.08.2016	11193853	MITSUKAWA, Norihiro
(22) 10.02.2016	(32) 05.04.2011	TANAKA, Tomoko
(54) SILANES AND SILICONES WITH DISTINCT HYDROPHILIC AND OLEOPHOBIC SUBSTITUTION	26.08.2011	(31) 2009135309
(73) Gelest Technologies, Inc.	15.12.2011	(32) 04.06.2009
(72) PAN, Youlin	(33) European Patent Office (EPO)	(33) Japan
ARKLES, Barry C.	European Patent Office (EPO)	(51) C07K 14/47
(31) 201562118180 P	European Patent Office (EPO)	C12N 9/64
(32) 19.02.2015	(51) C07J 9/00	(11) EP3360890
(33) United States of America	C07J 41/00	(21) EP17210269.1
(51) C07F 9/6561	(11) EP3288560	(47) 07.10.2020
(11) EP3077404	(21) EP16783980.2	(22) 27.10.2016
(21) EP15705378.6	(47) 07.10.2020	(54) GENE THERAPY
(47) 07.10.2020	(87) US2016028947	(73) Syncona IP Holdco Limited
(87) IB2015050239	27.10.2016	(72) GROENDAHL, Christian
23.07.2015	(22) 22.04.2016	FUNNELL, Tim
(22) 13.01.2015	(54) METHODS FOR THE SYNTHESIS OF CERAGENINS	HOLLOWOOD, Chris
(54) PURIFICATION OF TENOFOVIR ALAFENAMIDE AND ITS INTERMEDIATES	(73) Brigham Young University	(31) 201519086
(73) Mylan Laboratories Ltd.	(72) SAVAGE, Paul B.	(32) 28.10.2015
(72) VELLANKI, Siva Ram Prasad	RANDALL, Jared Lynn	(33) United Kingdom
BALUSU, Raja Babu	(31) 201562151026 P	(51) C07K 16/00
PUTTA, Subba Rayudu	201562165027 P	(11) EP3068798
RAAVI, Mastan Rao	201562191926 P	(21) EP14823891.8
ARIKATLA, Sivalakshmi Devi	(32) 22.04.2015	(47) 07.10.2020
(31) 118MU2014	21.05.2015	(87) EP2014003011
(32) 14.01.2014	13.07.2015	21.05.2015
(33) India	(33) United States of America	(22) 11.11.2014
(51) C07H 21/04	United States of America	(54) HUMAN IGG1 DERIVED ANTIBODY WITH PRO-APOPTOTIC ACTIVITY
C12N 5/00	United States of America	(73) OGD2 Pharma
C12N 15/00	(51) C07K 14/33	(72) DORVILLIUS, Mylène
C12P 21/06	C07K 16/12	LE DOUSSAL, Jean-Marc
(11) EP2861733	G01N 33/569	TERME, Mickaël
(21) EP13797749.2	(11) EP3256855	(31) 201361902926 P
(47) 07.10.2020	(21) EP16749961.5	(32) 12.11.2013
(87) US2013043443	(47) 07.10.2020	(33) United States of America
05.12.2013	(87) US2016017758	(51) C07K 16/00
(22) 30.05.2013	18.08.2016	C07K 16/18
(54) METABOLIC THERAPY FOR OXIDATIVE STRESS IN THE BRAIN THROUGH TARGETED NEURONAL CATABOLISM OF N-ACETYL-ASPARTIC ACID	(22) 12.02.2016	C12N 7/02
(73) Rowan University	(54) IMMUNOASSAYS FOR DIFFERENTIAL DETECTION OF CLOSTRIDIUM DIFFICILE	C12N 15/67
(72) LEONE, Paola	(73) Quanterix Corporation	C12N 15/85
FRANCIS, Jeremy	Beth Israel Deaconess Medical Center, Inc.	C12P 21/02
	(72) POLLOCK, Nira	(11) EP3216802
	KEELY, Ciaran	(21) EP17159323.9
	DUFFY, David, C.	(47) 07.10.2020
	SONG, Linan	(22) 19.08.2008
		(54) PRODUCTION METHOD
		(73) Glaxo Group Limited

(72) KOTSOPOULOU, Ekaterini UDEN, Mark	PANZER, Marc HOFFMANN, Patrick NAHRWOLD, Elisabeth	DI DIEGO, Maria DESTRO, Mara RINALDI, Riccardo
(31) 956772 P	NOLAN-STEVAUX, Olivier	(31) 15201730
(32) 20.08.2007	LUTTERBUENSE, Ralf	16180369
(33) United States of America	(31) 201562199935 P	(32) 21.12.2015
(51) C07K 16/28	201662290886 P	20.07.2016
(11) EP3177644	(32) 31.07.2015	(33) European Patent Office (EPO)
(21) EP15750136.2	03.02.2016	European Patent Office (EPO)
(47) 07.10.2020	(33) United States of America	<hr/>
(87) IB2015055943	United States of America	(51) C08F 2/00
11.02.2016	United States of America	C08F 210/06
(22) 05.08.2015	(51) C08B 37/16	C08L 23/14
(54) IMMUNOLOGICAL REAGENTS	C08L 5/16	C08L 23/16
BINDING TO PD-1	(11) EP3380530	(11) EP3102635
(73) MabQuest SA	(21) EP16822742.9	(21) EP15702276.5
(72) PANTALEO, Giuseppe	(47) 07.10.2020	(47) 07.10.2020
FENWICK, Craig	(87) IB2016057056	(87) EP2015052194
(31) 201462033177 P	01.06.2017	13.08.2015
201462053366 P	(22) 23.11.2016	(22) 03.02.2015
201462093368 P	(54) AN IMPROVED PROCESS FOR THE	(54) SOFT COPOLYMERS WITH HIGH
(32) 05.08.2014	PREPARATION OF SUGAMMADEX	IMPACT STRENGTH
22.09.2014	AND ITS INTERMEDIATES	(73) Borealis AG
17.12.2014	(73) Fresenius Kabi iPSUM S.r.l.	(72) WANG, Jingbo
(33) United States of America	(72) CABRI, Walter	LESKINEN, Pauli
United States of America	RICCI, Antonio	LILJA, Johanna
United States of America	ZANON, Jacopo	GAHLEITNER, Markus
<hr/>	LAHIRI, Saswata	(31) 14154119
(51) C07K 16/28	SINGH, Govind	(32) 06.02.2014
C07K 16/30	HECKMANN, Dominik	(33) European Patent Office (EPO)
C07K 16/46	(31) 3843DE2015	<hr/>
(11) EP3177646	(32) 25.11.2015	(51) C08F 2/01
(21) EP15756850.2	(33) India	C08F 2/34
(47) 07.10.2020	(51) C08C 19/34	C08F 10/00
(87) EP2015068070	C08F 4/52	(11) EP3638701
11.02.2016	C08F 8/30	(21) EP18745982.1
(22) 05.08.2015	C08F 8/34	(47) 07.10.2020
(54) CD3 BINDING DOMAIN	(11) EP2516475	(87) EP2018071031
(73) Affimed GmbH	(21) EP10801058.8	07.02.2019
(72) ZHUKOVSKY, Eugene	(47) 07.10.2020	(22) 02.08.2018
LITTLE, Melvyn	(87) US2010061476	(54) POLYMERIZATION PROCESS
KNACKMUSS, Stefan	30.06.2011	INCLUDING DISCHARGING
REUSCH, Uwe	(22) 21.12.2010	POLYOLEFIN PARTICLES FROM
ELLWANGER, Kristina	(54) POLYMERS FUNCTIONALIZED	A GAS-PHASE POLYMERIZATION
FUCEK, Ivica	WITH POLYOXIME COMPOUNDS	REACTOR
WEICHEL, Michael	AND METHODS FOR THEIR	(73) Basell Polyolefine GmbH
ESER, Markus	MANUFACTURE	(72) MEI, Gabriele
MCALEESE-ESER, Fionnuala	(73) Bridgestone Corporation	MEI, Giulia
(31) PCT/EP2014/002177	(72) LUO, Steven	PENZO, Giuseppe
15154772	(31) 643146	(31) 17184839
(32) 07.08.2014	(32) 21.12.2009	(32) 04.08.2017
11.02.2015	(33) United States of America	(33) European Patent Office (EPO)
(33) World Intellectual Property Office (WIPO)	<hr/>	(51) C08F 4/40
European Patent Office (EPO)	(51) C08F 2/00	C08K 5/098
<hr/>	C08F 2/38	C09J 7/38
(51) C07K 16/28	(11) EP3394110	(11) EP3630903
C07K 16/30	(21) EP16802037.8	(21) EP18729757.7
C07K 16/46	(47) 07.10.2020	(47) 07.10.2020
(11) EP3328890	(87) EP2016078940	(87) IB2018053430
(21) EP16756951.6	29.06.2017	29.11.2018
(47) 07.10.2020	(22) 28.11.2016	(22) 16.05.2018
(87) EP2016068294	(54) OLEFIN POLYMERIZATION PROCESS	(54) ADHESIVE ARTICLE AND METHODS
09.02.2017	IN THE PRESENCE OF ANTISTATIC	OF MAKING AND USING THE SAME
(22) 01.08.2016	COMPOSITION	(73) 3M Innovative Properties Company
(54) ANTIBODY CONSTRUCTS FOR CD70	(73) Basell Polyolefine Italia S.r.l.	(72) TOWNSEND, Erik M.
AND CD3	(72) MAZZUCCO, Antonio	RANADE, Shantanu R.
(73) Amgen Research (Munich) GmbH	MEI, Gabriele	MOSER, William H.
Amgen Inc.	CAPUTO, Tiziana	SHAFER, Kathleen S.
(72) RAUM, Tobias	PANTALEONI, Roberto	KROPP, Michael A.
DEISTING, Wibke	BALESTRA, Enrico	SETH, Jaysree
BLUEMEL, Claudia		

BEHLING, Ross E.	C08G 18/32	C08G 18/50
(31) 201762510363 P	C08G 18/42	C08G 18/66
(32) 24.05.2017	C08G 18/48	C08G 18/72
(33) United States of America	C08G 18/67	C08G 18/76
<hr/>	C08G 18/75	C08G 18/79
(51) C08F 4/651	C08K 3/36	C08G 101/00
C08F 110/02	C08L 75/06	C08K 5/25
C08F 210/16	C09D 5/44	C08K 5/372
(11) EP3339333	C09D 133/08	(11) EP3464404
(21) EP16206419.0	C09D 175/06	(21) EP17727863.7
(47) 07.10.2020	C09D 175/14	(47) 07.10.2020
(22) 22.12.2016	(11) EP3487898	(87) EP2017063297
(54) ZIEGLER-NATTA CATALYST AND	(21) EP17739610.8	07.12.2017
PREPARATION THEREOF	(47) 07.10.2020	(22) 01.06.2017
(73) Borealis AG	(87) EP2017068334	(54) POLYURETHANES WITH REDUCED
(72) Denifi, Peter	25.01.2018	ALDEHYDE EMISSION
Leinonen, Timo	(22) 20.07.2017	(73) BASF SE
Nissinen, Ville	(54) MIXING SYSTEM FOR PRODUCING	(72) TOMOVIC, Zeljko
Pakkanen, Tuula	AQUEOUS REPAIR COATING AGENTS,	OTERO MARTINEZ, Iran
Bazhenov, Andrey	METHOD FOR PRODUCING SAME	(31) 16172951
Linnolahti, Mikko	AND AQUEOUS REPAIR COATING	(32) 03.06.2016
Pakkanen, Tapani	AGENT PRODUCED FROM THE MIXED	(33) European Patent Office (EPO)
<hr/>	SYSTEM	(51) C08G 18/32
(51) C08F 14/24	(73) BASF Coatings GmbH	C08G 18/67
C08F 114/24	(72) CORTEN, Cathrin	C09D 175/16
C08F 214/24	EIERHOFF, Dirk	(11) EP2930199
C08J 5/00	SCHNIEDERS, Britta	(21) EP15162744.5
C08L 27/00	FREITAG, Nicole	(47) 07.10.2020
(11) EP3189086	RADEMACHER, Josef	(22) 08.04.2015
(21) EP15839036.9	GRABBE, Michael	(54) SUNLIGHT CURABLE COATING
(47) 07.10.2020	(31) 16180450	COMPOSITIONS
(87) US2015046770	(32) 20.07.2016	(73) DYMAX CORPORATION
10.03.2016	(33) European Patent Office (EPO)	(72) CAYER, Christopher Alan
(22) 25.08.2015	<hr/>	AERYKSSSEN, James
(54) METHODS FOR SYNTHESIZING	(51) C08G 18/10	NEBIOGLU, Ahmet
STABILIZED POLYMERS OF	C08G 18/32	(31) 201414248280
CHLOROTRIFLUOROETHYLENE AND	C08G 18/34	(32) 08.04.2014
PRODUCTS MANUFACTURED USING	C08G 18/42	(33) United States of America
SUCH POLYMERS	C08G 18/66	<hr/>
(73) Honeywell International Inc.	C08G 18/75	(51) C08G 59/20
(72) THENAPPAN, Alagappan	C08G 18/81	C08L 63/00
RAINAL, Eric	C08G 63/668	C08L 63/10
(31) 201462045746 P	C08G 63/672	H02K 3/30
201514804660	C08G 63/688	C08K 3/00
(32) 04.09.2014	C08G 65/332	(11) EP3438200
21.07.2015	C09D 175/16	(21) EP16897096.0
(33) United States of America	(11) EP3504278	(47) 07.10.2020
United States of America	(21) EP17754150.5	(87) JP2016088053
<hr/>	(47) 07.10.2020	05.10.2017
(51) C08F 214/22	(87) EP2017070597	(22) 21.12.2016
C08F 214/26	01.03.2018	(54) CURABLE COMPOSITION, CURED
C08F 216/12	(22) 14.08.2017	OBJECT OBTAINED THEREFROM,
C08F 259/08	(54) METHOD FOR PRODUCING A	AND ROTARY DEVICE
(11) EP3059265	VARNISH COATING USING AN	(73) Mitsubishi Electric Corporation
(21) EP15156170.1	AQUEOUS BASIS VARNISH	(72) OSAWA, Azusa
(47) 07.10.2020	(73) BASF Coatings GmbH	MABUCHI, Takahiro
(22) 23.02.2015	(72) STEINMETZ, Bernhard	YASUDA, Naoki
(54) Peroxide curable fluoropolymers	HOFFMANN, Peter	(31) 2016071396
obtainable by polymerization with non-	REUTER, Hardy	(32) 31.03.2016
fluorinated emulsifiers	JANKOWSKI, Peggy	(33) Japan
(73) 3M Innovative Properties Company	(31) 16185538	<hr/>
(72) Jochum, Florian Daniel	(32) 24.08.2016	(51) C08G 59/42
Hintzer, Klaus	(33) European Patent Office (EPO)	C08G 59/68
Lochhaas, Kai Helmut	(51) C08G 18/12	(11) EP3134457
Kaspar, Harald	C08G 18/18	(21) EP15725790.8
Zipplies, Tilman	C08G 18/32	(47) 07.10.2020
Traunspurger, Helmut	C08G 18/40	(87) FR2015051109
<hr/>	C08G 18/42	29.10.2015
(51) C08F 257/02	C08G 18/48	(22) 23.04.2015
C08G 18/08		
C08G 18/12		
C08G 18/28		

(54) TITANIUM-BASED CATALYST FOR VITRIMER RESINS OF EXPOXY/ ANHYRIDE TYPE	C08G 73/06 C08G 73/10 C08G 73/14	GALLAS, Katharina (31) 14197166 (32) 10.12.2014 (33) European Patent Office (EPO)
(73) Arkema France Centre National de la Recherche Scientifique Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris	C08K 3/16 C08K 3/28 C08K 5/00 C09D 179/08 C08K 3/00	(51) C08G 73/02 C09D 5/00 C09D 179/02 F28F 13/18 F28F 19/02
(72) DUQUENNE, Christophe MOUGNIER, Sébastien-Jun TOURNILHAC, François-Genes LEIBLER, Ludwik	C08K 3/105 (11) EP3199581 (21) EP17153291.4 (47) 07.10.2020 (22) 26.01.2017	(11) EP3504277 (21) EP17764767.4 (47) 07.10.2020 (87) EP2017071096 01.03.2018
(31) 1453677 (32) 24.04.2014 (33) France	(54) COMPOSITION FOR PREPARING ARTICLE INCLUDING POLYIMIDE OR POLY(IMIDE-AMIDE) COPOLYMER, ARTICLE INCLUDING POLYIMIDE OR POLY(IMIDE-AMIDE) COPOLYMER, AND ELECTRONIC DEVICE INCLUDING THE ARTICLE	(22) 22.08.2017 (54) COMPOSITE MATERIALS (73) BASF SE (72) WENGELER, Lukas ARNOLD, Lena SCHMIDT-HANSBERG, Benjamin SCHROEDER, Andreas PIETSCH, Ines LECLERC, Nicholas R.
(51) C08G 64/18 C08K 5/02 C08L 83/10	(73) Samsung Electronics Co., Ltd Samsung SDI Co., Ltd	(31) 201662378376 P (32) 23.08.2016 (33) United States of America
(11) EP3247743 (21) EP16700977.8 (47) 07.10.2020 (87) EP2016050913 28.07.2016	(72) AHN, Chanjae CHOI, Sungwon SOHN, Byunghhee JO, A Ra JU, Kyeong-sik JEE, Sang Soo CHOI, Hongkyoon	(51) C08G 73/02 C11D 1/72 C11D 3/20 C11D 3/33 C11D 3/37 C11D 11/00
(22) 18.01.2016 (54) FLAME RETARDANT POLYCARBONATE BLOCK COCONDENSATE CONTAINING SILOXANE COMPRISING MOULDING MATERIAL WITH GLASS FIBRE	(31) 20160009972 (32) 27.01.2016 (33) Korea (Republic)	(11) EP3320068 (21) EP16734712.9 (47) 07.10.2020 (87) EP2016065979 12.01.2017 (22) 06.07.2016 (54) PROCESS FOR CLEANING DISHWARE (73) BASF SE (72) GARCIA MARCOS, Alejandra WEBER, Heike HUEFFER, Stephan REIS-WALTHER, Eva-Maria DIETSCHER, Frank
(73) Covestro Intellectual Property GmbH & Co. KG	(51) C08G 73/02 C08K 3/04 C08L 1/00 C08L 27/16 C08L 33/02 C08L 79/02 H01M 4/36 H01M 4/60 H01M 4/62 H01M 10/0525 H01G 11/30 H01G 11/32 H01G 11/48	(31) 15176021 (32) 09.07.2015 (33) European Patent Office (EPO)
(72) MEYER, Alexander HORN, Klaus KUHLMANN, Timo ERKELENZ, Michael LIESENFELDER, Ulrich	(11) EP3231029 (21) EP15797698.6 (47) 07.10.2020 (87) EP2015077346 16.06.2016 (22) 23.11.2015 (54) ELECTRODE FOR AN ELECTROCHEMICAL ELEMENT WITH AN ORGANIC ELECTROLYTE, ELECTROCHEMICAL ELEMENTS COMPRISING THE ELECTRODE AND POLYMERIC MATERIAL AND ITS USE AS ELECTRODE ACTIVE MATERIAL OR AS ELECTRODE BINDER	(51) C08G 77/04 C08G 77/14 C08G 77/58 C08G 79/10 C08J 3/03 C09D 183/04 D06M 15/643 D06M 15/687 C08K 3/10 (11) EP3415575 (21) EP18184060.4 (47) 07.10.2020 (22) 05.11.2009 (54) HYBRID COATINGS AND ASSOCIATED METHODS OF APPLICATION (73) The Boeing Company (72) LARSON-SMITH, Kjersta L. BLOHOWIAK, Kay Y. SEEBERGH, Jill E. SUNDARAM, Vasan S.
(31) 15151811 (32) 20.01.2015 (33) European Patent Office (EPO)	(73) Samsung Electronics Co., Ltd Samsung SDI Co., Ltd	
(51) C08G 65/40 C08J 5/12 C08K 5/42 C08L 71/00 C09J 171/00	(31) 20160009972 (32) 27.01.2016 (33) Korea (Republic)	
(11) EP3494163 (21) EP17751064.1 (47) 07.10.2020 (87) EP2017069472 08.02.2018 (22) 01.08.2017	(72) MEYER, Alexander HORN, Klaus KUHLMANN, Timo ERKELENZ, Michael LIESENFELDER, Ulrich	
(54) POLY(ARYL ETHER KETONE) (PAEK) COMPOSITIONS INCLUDING A LOW MOLECULAR WEIGHT AROMATIC COMPOUND	(51) C08G 73/02 C08K 3/04 C08L 1/00 C08L 27/16 C08L 33/02 C08L 79/02 H01M 4/36 H01M 4/60 H01M 4/62 H01M 10/0525 H01G 11/30 H01G 11/32 H01G 11/48	
(73) Solvay Specialty Polymers USA, LLC	(11) EP3231029 (21) EP15797698.6 (47) 07.10.2020 (87) EP2015077346 16.06.2016 (22) 23.11.2015 (54) ELECTRODE FOR AN ELECTROCHEMICAL ELEMENT WITH AN ORGANIC ELECTROLYTE, ELECTROCHEMICAL ELEMENTS COMPRISING THE ELECTRODE AND POLYMERIC MATERIAL AND ITS USE AS ELECTRODE ACTIVE MATERIAL OR AS ELECTRODE BINDER	
(72) EL-HIBRI, Mohammad Jamal LOUIS, Chantal THOMAS, David B.	(73) VARTA Microbattery GmbH Technische Universität Graz Polymer Competence Center Leoben GmbH	
(31) 201662370008 P 17151497 201762472703 P	(72) SCHMUCK, Martin KREN, Harald FAST, David E. SAF, Robert STELZER, Franz	
(32) 02.08.2016 13.01.2017 17.03.2017		
(33) United States of America European Patent Office (EPO) United States of America		
(51) C08G 69/32		

SIRKIS, Michael R.	C08G 77/54	(33) United States of America
(31) 363085	G03F 7/075	(51) C08J 5/02
(32) 30.01.2009	(11) EP3441419	C08L 9/04
(33) United States of America	(21) EP18187705.1	C08L 15/00
(51) C08G 77/28	(47) 07.10.2020	A61B 42/10
C08K 5/04	(22) 07.08.2018	(11) EP3397687
C08K 5/08	(54) SILICONE STRUCTURE-CONTAINING	(21) EP16849911.9
C08K 5/14	POLYMER, PHOTSENSITIVE RESIN	(47) 07.10.2020
C08K 5/16	COMPOSITION, PHOTSENSITIVE	(87) MY2016050089
C08K 5/23	RESIN COATING, PHOTSENSITIVE	06.07.2017
C08K 5/37	DRY FILM, LAMINATE, AND PATTERN	(22) 27.12.2016
C08K 5/46	FORMING PROCESS	(54) NITRILE RUBBER ARTICLE
C08L 83/07	(73) Shin-Etsu Chemical Co., Ltd.	(73) Top Glove International SDN. BHD.
C08L 83/08	(72) MARUYAMA, Hitoshi	(72) LEE, May Yin
C09D 183/07	KONDO, Kazunori	WONG, Chong Ban
C09D 183/08	(31) 2017153884	(31) PI2015704830
(11) EP3374433	(32) 09.08.2017	(32) 30.12.2015
(21) EP16864141.3	(33) Japan	(33) Malaysia
(47) 07.10.2020	(51) C08G 77/62	(51) C08J 5/04
(87) JP2016082889	C09D 183/16	D21H 17/36
18.05.2017	(11) EP3546498	D21H 17/37
(22) 04.11.2016	(21) EP19163335.3	D21J 1/20
(54) CURABLE ORGANOPOLYSILOXANE	(47) 07.10.2020	H01B 17/56
COMPOSITION AND CURED	(22) 18.03.2019	H01F 27/32
PRODUCT THEREOF	(54) POLYSILAZANE COMPOSITION,	(11) EP3012282
(73) Dow Toray Co., Ltd.	COATED SUBSTRATE, AND	(21) EP14189513.6
(72) OGAWA, Takuya	MULTILAYER CONSTRUCTION	(47) 07.10.2020
ONODERA, Satoshi	(73) Shin-Etsu Chemical Co., Ltd.	(22) 20.10.2014
(31) 2015223521	(72) KAWAKAMI, Masato	(54) Pressboard
(32) 13.11.2015	KIYOMORI, Ayumu	(73) ABB Power Grids Switzerland AG
(33) Japan	(31) 2018067903	(72) Pitois, Claire
(51) C08G 77/38	(32) 30.03.2018	Montibon, Elson
C09D 183/04	(33) Japan	Sahlen, Fredrik
C09J 183/05	(51) C08H 1/06	Schmidt, Lars
C09J 183/07	(11) EP3260484	Girlanda, Orlando
(11) EP2374832	(21) EP17460028.8	Brattberg, Torbjörn
(21) EP11002939.4	(47) 07.10.2020	Wågberg, Lars
(47) 07.10.2020	(22) 25.05.2017	(51) C08J 5/12
(22) 07.04.2011	(54) METHOD OF PRELIMINARY	C09J 5/02
(54) Addition curable self-adhesive silicone	HYDROLYSIS OF CREATINE-	C09J 175/04
rubber composition	CONTAINING RAW MATERIALS, IN	(11) EP2904039
(73) Shin-Etsu Chemical Co., Ltd.	PARTICULAR BRISTLES	(21) EP13705698.2
(72) Kato, Nobu	(73) Przedsiębiorstwo Wielobranzowe	(47) 07.10.2020
Meguriya, Noriyuki	"RAWIMPEX" Marek Czerniej	(87) US2013025538
Yamazaki, Toshio	(72) Czerniej, Marek	17.04.2014
(31) 2010089165	(31) 41769516	(22) 11.02.2013
(32) 08.04.2010	(32) 23.06.2016	(54) ACCELERATED BONDING OF
(33) Japan	(33) Poland	ISOCYANATE FUNCTIONAL ADHESIVE
(51) C08G 77/392	(51) C08J 3/00	TO FIBER REINFORCED PLASTICS
C08L 83/04	C08J 3/12	(73) Dow Global Technologies LLC
G02B 6/38	C08J 3/24	(72) SCHWOEPPE, Dirk
(11) EP2841490	C08L 25/12	(31) 201261710917 P
(21) EP13719463.5	C08L 69/00	(32) 08.10.2012
(47) 07.10.2020	(11) EP3277744	(33) United States of America
(87) EP2013058298	(21) EP16716174.4	(51) C08J 7/04
31.10.2013	(47) 07.10.2020	(11) EP3559096
(22) 22.04.2013	(87) EP2016056691	(21) EP17826224.2
(54) DRY SILICONE GELS AND THEIR	06.10.2016	(47) 07.10.2020
METHODS OF MAKING USING THIOL-	(22) 25.03.2016	(87) EP2017083922
ENE CHEMISTRY	(54) GLOSS POLYMER ADDITIVES	05.07.2018
(73) CommScope Connectivity Belgium BVBA	WITH REDUCED INCIDENCE OF	(22) 20.12.2017
(72) VAN DEN BERG, Otto	DISCOLORATION	(54) POLYCARBONATE COMPOSITE
BERGHMANS, Stephane	(73) SABIC Global Technologies B.V.	HAVING AN INCREASED PENCIL
DU PREZ, Filip	(72) XU, Jianhua	HARDNESS
(31) 201213455990	LOWRY, Vern	(73) Covestro Intellectual Property GmbH &
(32) 25.04.2012	CHEN, Chen	Co. KG
(33) United States of America	(31) 201562140744 P	(72) GAO, Sean
(51) C08G 77/52	(32) 31.03.2015	REN, Lily

YANG, Li	(51) C08K 3/26	Paul, Charles W
(31) 201611271201	(11) EP2702097	(31) 41550110 P
(32) 26.12.2016	(21) EP12721167.0	(32) 19.11.2010
(33) China	(47) 07.10.2020	(33) United States of America
(51) C08J 7/12	(87) EP2012001783	(51) C08K 5/00
C23C 18/20	01.11.2012	C08K 5/134
C23C 18/31	(22) 26.04.2012	C08K 5/523
(11) EP3500619	(54) ELASTOMERIC ARTICLE	F16L 9/12
(21) EP17757715.2	(73) Schaefer Kalk GmbH & Co. KG	(11) EP3331945
(47) 07.10.2020	(72) KEE, Eu Leong	(21) EP16739123.4
(87) EP2017070619	CHONG, Kok Loong	(47) 07.10.2020
22.02.2018	MOHD YUSOF MD. ISA, Yusof	(87) EP2016066795
(22) 14.08.2017	NOVER, Christoph	09.02.2017
(54) MODIFIED ABS SURFACES AND	STÖVER, Hein-Dieter	(22) 14.07.2016
METHOD FOR PRODUCING SAME	(31) 11003478	(54) PIPE FOR THE TRANSPORT
(73) Leibniz-Institut für Polymerforschung	11009970	OF WATER HAVING IMPROVED
Dresden e.V.	(32) 28.04.2011	RESISTANCE TO CHLORINATED
(72) LEHMANN, Dieter	19.12.2011	DISINFECTANTS
(31) 102016215462	(33) European Patent Office (EPO)	(73) SABIC Global Technologies B.V.
(32) 18.08.2016	European Patent Office (EPO)	(72) BOERAKKER, Mark Johannes
(33) Germany	(51) C08K 3/32	VAN MIERLOO, Sarah
(51) C08K 3/04	C08K 5/5313	VOETS, Patrick Elisabeth Luc
C08K 3/34	C08K 5/5317	(31) 15179628
C08K 5/49	C08K 5/5393	(32) 04.08.2015
C08K 5/523	(11) EP3214118	(33) European Patent Office (EPO)
C08L 25/12	(21) EP15855341.2	(51) C08K 5/053
C08L 51/04	(47) 07.10.2020	C08K 7/14
C08L 55/02	(87) CN2015086433	C08L 77/00
C08L 69/00	06.05.2016	C08L 77/02
(11) EP3194500	(22) 09.08.2015	C08L 77/12
(21) EP15756481.6	(54) ADDITIVE COMPOSITION FOR	(11) EP3024892
(47) 07.10.2020	POLYMER AND PREPARATION	(21) EP14790000.5
(87) IB2015055917	METHOD THEREFOR AND FLAME-	(47) 07.10.2020
24.03.2016	RETARDANT THERMOPLASTIC	(87) EP2014065678
(22) 04.08.2015	POLYMER MOULDING MATERIAL	29.01.2015
(54) FLAME RETARDANT BLENDED	CONSISTING OF SAME	(22) 22.07.2014
POLYCARBONATE COMPOSITIONS	(73) Zhuhai Wango Chemical Co., Ltd.	(54) POLYAMIDE COMPOSITION
WITH IMPROVED SURFACE	(72) LI, Jide	(73) PERFORMANCE POLYAMIDES S.A.S.
APPEARANCE	CHAI, Shengyong	(72) JEOL, Stéphane
(73) SABIC Global Technologies B.V.	LU, Changli	BADEL, Thierry
(72) IIDA, Hiroshi	CHEN, Lin	(31) 13306060
MORIOKA, Masataka	KONG, Lei	(32) 23.07.2013
SATO, Sho	LI, Yan	(33) European Patent Office (EPO)
(31) 201462052874 P	(31) 201410592746	(51) C08K 5/372
(32) 19.09.2014	(32) 29.10.2014	C08K 5/526
(33) United States of America	(33) China	C08K 5/527
(51) C08K 3/22	(51) C08K 5/00	C08K 5/5313
C09C 1/36	C08K 5/01	C08K 5/5393
C09D 133/06	C08L 23/08	(11) EP3284779
C09D 7/62	C08L 23/16	(21) EP17186089.3
(11) EP2838959	C08L 51/00	(47) 07.10.2020
(21) EP13778819.6	C08L 51/06	(22) 14.08.2017
(47) 07.10.2020	C09J 5/00	(54) MODIFIED POLYMER COMPOSITION
(87) US2013037608	C09J 11/06	AND STABILIZER MIXTURE FOR
24.10.2013	C09J 123/10	MAKING THE SAME
(22) 22.04.2013	C09J 123/14	(73) FDC, Lees Co., Ltd.
(54) METHOD FOR MAKING TITANIUM	(11) EP3480273	(72) Lee, Kun-Chang
DIOXIDE PIGMENT GRIND	(21) EP18207307.2	Chen, Chen-Kai
DISPERSION AND PAINT	(47) 07.10.2020	Wang, Jen-Fu
(73) SWIMC LLC	(22) 21.11.2011	(31) 105126497
(72) KORENKIEWICZ, Stephen, M.	(54) ADHESIVE COMPOSITIONS AND USE	(32) 19.08.2016
BOOTH, Karl, A.	THEREOF	(33) Taiwan, Province of China
(31) 201261636571 P	(73) Henkel AG & Co. KGaA	(51) C08K 7/14
201361790103 P	Henkel IP & Holding GmbH	C08L 23/12
(32) 20.04.2012	(72) Ellis, Richard	(11) EP3325553
15.03.2013	Eodice, Andrea Keys	(21) EP16741618.9
(33) United States of America	Kasper, Dirk	(47) 07.10.2020
United States of America	Padurschel, Petra	(87) EP2016067205

26.01.2017	(21) EP16809075.1	(11) EP2782969
(22) 19.07.2016	(47) 07.10.2020	(21) EP12790893.7
(54) EXPANSION RESERVOIR OF POLYPROPYLENE WITH GLASS FIBERS	(87) EP2016080715 22.06.2017	(47) 07.10.2020
(73) SABIC Global Technologies B.V.	(22) 13.12.2016	(87) EP2012073293 30.05.2013
(72) VAN BEEK, Dimphna, Johanna, Maria BIEMOND, Gerard, Jan, Eduard DE LA CROIX, Ginger	(54) HALOGEN-FREE FLAME RETARDANT POLYMER COMPOSITION COMPRISING NOVEL POLAR ETHYLENE COPOLYMER	(22) 22.11.2012
(31) 15177697	(73) Borealis AG	(54) PSA CONTAINING OLEFIN BLOCK COPOLYMERS AND STYRENE BLOCK COPOLYMER
(32) 21.07.2015	(72) SULTAN, Bernt-ake	(73) Henkel AG & Co. KGaA
(33) European Patent Office (EPO)	KARLSSON, Linus	(72) PÜRKNER, Eckhard SEILER, Annie
(51) C08K 9/08	PRIETO, Oscar	(31) 102011086845
G03G 15/20	(31) 15201077	(32) 22.11.2011
(11) EP2258764	(32) 18.12.2015	(33) Germany
(21) EP10164225.4	(33) European Patent Office (EPO)	(51) C08L 65/00
(47) 07.10.2020	(51) C08L 23/12	C09J 9/02
(22) 28.05.2010	(11) EP3548556	C09J 11/08
(54) Passivated aluminum nitride for enhanced thermal conductivity composite materials for fuser belts	(21) EP17801737.2	C09J 163/00
(73) Xerox Corporation	(47) 07.10.2020	C09J 175/04
(72) Gervasi, David J. Kelly, Matthew M. Badesha, Santokh S.	(87) EP2017080509 14.06.2018	H01Q 1/28
(31) 479117	(22) 27.11.2017	(11) EP2157148
(32) 05.06.2009	(54) HETEROPHASIC PROPYLENE COPOLYMERS	(21) EP09252021.2
(33) United States of America	(73) Basell Poliolefine Italia S.r.l.	(47) 07.10.2020
(51) C08L 7/00	(72) CATHELIN, Caroline	(22) 19.08.2009
C08L 9/00	MASSARI, Paola	(54) Low RF loss static dissipative adhesive
C08L 23/16	CAVALIERI, Claudio	(73) The Boeing Company
C08L 23/32	CIARAFONI, Marco	(72) Long, Lynn E. Moss, Randall J.
(11) EP3328935	PANTALEONI, Roberto	(31) 194077
(21) EP16739335.4	(31) 16202191	(32) 19.08.2008
(47) 07.10.2020	(32) 05.12.2016	(33) United States of America
(87) US2016040024	(33) European Patent Office (EPO)	(51) C08L 95/00
02.02.2017	(51) C08L 23/12	E01C 7/18
(22) 29.06.2016	(11) EP3388483	E01C 7/35
(54) RUBBER FORMULATION WITH ENHANCED FLEX FATIGUE RESISTANCE	(21) EP18167078.7	(11) EP2907853
(73) ContiTech Techno-Chemie GmbH	(47) 07.10.2020	(21) EP15154952.4
(72) RONG, Guangzhuo BURROWES, George THAPA, Prem	(22) 12.04.2018	(47) 07.10.2020
(31) 201562197652 P	(54) PROPYLENE RESIN COMPOSITION AND INJECTION MOLDED ARTICLE	(22) 13.02.2015
(32) 28.07.2015	(73) Sumitomo Chemical Company, Ltd	(54) Paraffinic cold-cast bituminous material with rapid cohesion increase
(33) United States of America	(72) FUKURODA, Hiroshi SANADA, Toshiharu MARUYAMA, Toshiya	(73) Eurovia
(51) C08L 9/02	(31) 2017080584	(72) Delfosse, Frédéric Drouadaine, Ivan
C08L 27/06	(32) 14.04.2017	(31) 1451144
(11) EP3421531	(33) Japan	(32) 13.02.2014
(21) EP17756484.6	(51) C08L 23/12	(33) France
(47) 07.10.2020	C08L 23/14	(51) C09B 47/04
(87) JP2017006374	(11) EP3031852	G02B 6/00
31.08.2017	(21) EP14197547.4	G02F 1/1335
(22) 21.02.2017	(47) 07.10.2020	H01L 51/52
(54) NITRILE COPOLYMER RUBBER COMPOSITION, CROSSLINKABLE RUBBER COMPOSITION AND RUBBER CROSSLINKED PRODUCT	(22) 12.12.2014	(11) EP3405834
(73) Zeon Corporation	(54) Polypropylene films with improved sealing behaviour, especially in view of improved sealing properties	(21) EP16886655.6
(72) YOKOYAMA, Seiji NAGAMORI, Hiroyasu	(73) Borealis AG	(47) 07.10.2020
(31) 2016032019	(72) Defoer, Johan	(87) KR2016015219 27.07.2017
(32) 23.02.2016	De Wever, Willem	(22) 23.12.2016
(33) Japan	Croonen, Sara	(54) DISPLAY DEVICE
(51) C08L 23/08	(51) C08L 23/18	(73) LG Electronics Inc.
(11) EP3390526	C08L 53/02	(72) KIM, Geunhwan SIM, Sujin
	C08L 93/00	LEE, Woosuk
	C09J 153/00	JOUNG, Juyoung
	C09J 153/02	KIM, Minho
	C09J 193/00	(31) 20160008348
	C09J 7/38	20160010651
		(32) 22.01.2016
		28.01.2016

(33) Korea (Republic) Korea (Republic)	(32) 09.05.2014 (33) European Patent Office (EPO)	ASAI, Shintaro TERADA, Masaru TOYODA, Naoyuki
(51) C09C 1/02 C09C 1/40 C09C 1/42	(51) C09D 5/44 C25D 13/16 C25D 15/00	(31) 2018063936 (32) 29.03.2018 (33) Japan
(11) EP3417014 (21) EP17704022.7 (47) 07.10.2020	H01M 4/04 H01M 4/62 H01M 4/139	(51) C09D 11/322 (11) EP3263659 (21) EP17176707.2 (47) 07.10.2020
(87) EP2017053186 24.08.2017 (22) 13.02.2017	H01M 4/505 H01M 4/525 H01M 4/58 C09D 7/61	(22) 19.06.2017 (54) WATER-BASED INK COMPOSITION AND METHOD OF DISCHARGING LIQUID DROPLET
(54) PROCESS FOR MANUFACTURING WHITE PIGMENT CONTAINING PRODUCTS	(11) EP3338317 (21) EP16757479.7 (47) 07.10.2020	(73) Seiko Epson Corporation (72) MIZUTAKI, Yusuke NAKANO, Tomohito ITO, Wataru MUTO, Atsushi OWAKI, Hiroshige
(73) Omya International AG (72) SÖTEMANN, Jörg MAIER, Jörg Andreas	(87) US2016047706 23.02.2017 (22) 19.08.2016	(31) 2016127759 (32) 28.06.2016 (33) Japan
(31) 16155963 201662298486 P (32) 16.02.2016 23.02.2016 (33) European Patent Office (EPO) United States of America	(54) METHODS OF COATING AN ELECTRICALLY CONDUCTIVE SUBSTRATE AND RELATED ELECTRODEPOSITABLE COMPOSITIONS	(51) C09K 8/584 C09K 8/60 C09K 8/68 C09K 8/86 E21B 43/22 (11) EP3262276 (21) EP16756239.6 (47) 07.10.2020 (87) US2016019243 01.09.2016 (22) 24.02.2016 (54) COMPOSITIONS FOR ENHANCED OIL RECOVERY (73) Ecolab USA Inc. (72) DO, Linh MUELLER, Brian NGUYEN, Duy T.
(51) C09D 4/00 (11) EP3202860 (21) EP16153845.9 (47) 07.10.2020 (22) 02.02.2016	(73) PPG Industries Ohio, Inc. (72) DAUGHENBAUGH, Randy E. HELLRING, Stuart D. (31) 201514831047 (32) 20.08.2015 (33) United States of America	(11) EP3262276 (21) EP16756239.6 (47) 07.10.2020 (87) US2016019243 01.09.2016 (22) 24.02.2016 (54) COMPOSITIONS FOR ENHANCED OIL RECOVERY (73) Ecolab USA Inc. (72) DO, Linh MUELLER, Brian NGUYEN, Duy T.
(54) METHOD FOR APPLYING AN ABSORBING POLYMER ON A SUBSTRATE, SUBSTRATE PROVIDED WITH A COATING OF AN ABSORBING POLYMER AND USE OF THE SUBSTRATE	(31) 201514831047 (32) 20.08.2015 (33) United States of America	(11) EP3262276 (21) EP16756239.6 (47) 07.10.2020 (87) US2016019243 01.09.2016 (22) 24.02.2016 (54) COMPOSITIONS FOR ENHANCED OIL RECOVERY (73) Ecolab USA Inc. (72) DO, Linh MUELLER, Brian NGUYEN, Duy T.
(73) Holland Plug International B.V. (72) TEEPEN, Robert Marie	(51) C09D 11/033 C09D 11/037 C09D 11/104 B33Y 10/00 B33Y 70/00	(31) 201562121885 P 201562169890 P (32) 27.02.2015 02.06.2015 (33) United States of America United States of America
(51) C09D 4/00 C09D 183/08 C23C 16/02	(11) EP3143090 (21) EP15792640.3 (47) 07.10.2020 (87) US2015030972 19.11.2015 (22) 15.05.2015	(31) 201562121885 P 201562169890 P (32) 27.02.2015 02.06.2015 (33) United States of America United States of America
(11) EP3119848 (21) EP15712047.8 (47) 07.10.2020 (87) EP2015000534 24.09.2015 (22) 10.03.2015	(54) INK COMPOSITIONS FOR THREE- DIMENSIONAL PRINTING AND METHODS OF FORMING OBJECTS USING THE INK COMPOSITIONS	(31) 201562121885 P 201562169890 P (32) 27.02.2015 02.06.2015 (33) United States of America United States of America
(54) HYDROPHOBIZATION OF HARD COAT PAINT SURFACES	(73) Northwestern University (72) SHAH, Ramille N. JAKUS, Adam E.	(31) 201562121885 P 201562169890 P (32) 27.02.2015 02.06.2015 (33) United States of America United States of America
(73) Rodenstock GmbH (72) JUNG, Stefan SEIDL, Stefan	(31) 201461993360 P 201462064338 P 201562143951 P (32) 15.05.2014 15.10.2014 07.04.2015	(31) 201562121885 P 201562169890 P (32) 27.02.2015 02.06.2015 (33) United States of America United States of America
(31) 102014003922 (32) 19.03.2014 (33) Germany	(33) United States of America United States of America United States of America	(31) 201562121885 P 201562169890 P (32) 27.02.2015 02.06.2015 (33) United States of America United States of America
(51) C09D 4/06 C09D 133/06 (11) EP3140353 (21) EP15723664.7 (47) 07.10.2020 (87) EP2015059863 12.11.2015 (22) 05.05.2015	(51) C09D 11/30 C09D 11/322 C09D 11/36 (11) EP3546533 (21) EP19166393.9 (47) 07.10.2020 (22) 29.03.2019	(31) 201562121885 P 201562169890 P (32) 27.02.2015 02.06.2015 (33) United States of America United States of America
(54) A COATING COMPOSITION (73) PPG Coatings Europe B.V. (72) OLSON, Kurt KOLK, Kees van der KALSANI, Venkateshwarlu MAYO, Michael	(54) INK JET COMPOSITION AND RECORDED MATTER (73) Seiko Epson Corporation (72) TAKIGUCHI, Hiroshi KIDA, Hiroaki	(31) 201562121885 P 201562169890 P (32) 27.02.2015 02.06.2015 (33) United States of America United States of America
(31) 14167789		(51) C09K 19/04 C09K 19/12 C09K 19/18

C09K 19/30	YUN, Yong-Kuk	(11) EP3491108
(11) EP3529331	(31) 16194514	(21) EP16748008.6
(21) EP17793886.7	(32) 19.10.2016	(47) 07.10.2020
(47) 07.10.2020	(33) European Patent Office (EPO)	(87) US2016044579
(87) EP2017076933	(51) C10B 49/10	01.02.2018
03.05.2018	C10B 53/02	(22) 28.07.2016
(22) 23.10.2017	C10B 57/06	(54) DRIVELINE FLUIDS COMPRISING API
(54) LIQUID-CRYSTALLINE MEDIUM	C10G 1/08	GROUP II BASE OIL
(73) Merck Patent GmbH	(11) EP2948525	(73) Chevron U.S.A. Inc.
(72) MANABE, Atsutaka	(21) EP14703225.4	The Lubrizol Corporation
JASPER, Christian	(47) 07.10.2020	(72) HONG, Hyun-Soo
REIFFENRATH, Volker	(87) US2014012579	ZAKARIAN, John, Aleksonis
BROCKE, Constanze	31.07.2014	SIVAKOVA, Sona
PAULUTH, Detlef	(22) 22.01.2014	HIGUCHI, Tomoya
KLASS, Dagmar	(54) GAS JET INJECTOR REACTOR AND	ENGEL, Christopher
WITTEK, Michael	METHOD FOR CATALYTIC FAST	QURESHI, Farrukh
SEEGER, Renate	PYROLYSIS	(51) C11C 5/00
USHAKOV, Dmitry	(73) Anellotech, Inc.	C11C 5/02
SCHNEIDER, Beate	(72) MAZANEC, Terry J.	F23D 3/28
(31) 16195264	WHITING, Jeffrey P.	(11) EP3408589
(32) 24.10.2016	SONG, Ruozhi	(21) EP17706579.4
(33) European Patent Office (EPO)	GOODMAN, Zachary W.	(47) 07.10.2020
(51) C09K 19/04	SCHMIDT, Collin	(87) FR2017050189
C09K 19/12	(31) 201361755358 P	03.08.2017
C09K 19/18	(32) 22.01.2013	(22) 27.01.2017
C09K 19/30	(33) United States of America	(54) INSTALLATION FOR THE AUTOMATED
(11) EP3543313	(51) C10L 1/00	STRAIGHTENING OF A SPARK PLUG
(21) EP19163932.7	C10L 1/32	ELECTRODE AND ASSOCIATED
(47) 07.10.2020	C10L 5/40	AUTOMATED STRAIGHTENING
(22) 20.03.2019	C10L 9/00	METHOD
(54) LIQUID-CRYSTALLINE MEDIUM	(11) EP3620500	(73) Manufacture Francaise De Bougies
(73) Merck Patent GmbH	(21) EP19196175.4	(72) ROUSSEAU, Guilhem
(72) Klass, Dagmar	(47) 07.10.2020	(31) 1650683
Fritzs, Carsten	(22) 09.09.2019	(32) 28.01.2016
(31) 18163715	(54) PROCESS FOR PROCESSING TALL	(33) France
(32) 23.03.2018	OIL PITCH, FUEL COMPOSITION	(51) C11D 1/90
(33) European Patent Office (EPO)	COMPRISING TALL OIL PITCH,	C11D 3/00
(51) C09K 19/04	USE AS FUEL OF A COMPOSITION	C11D 3/32
C09K 19/12	COMPRISING TALL OIL PITCH AND	C11D 3/33
C09K 19/30	COMBUSTION PROCESS	(11) EP2956532
(11) EP3551722	(73) Total Marketing Services	(21) EP13704782.5
(21) EP17821502.6	(72) HAVIL, Patrick	(47) 07.10.2020
(47) 07.10.2020	JULIEN, Laurent	(87) EP2013053099
(87) EP2017081630	(31) 1858091	21.08.2014
14.06.2018	(32) 10.09.2018	(22) 15.02.2013
(22) 06.12.2017	(33) France	(54) FABRIC SOFTENER
(54) LIQUID CRYSTALLINE MEDIUM	(51) C10L 1/08	(73) Rhodia Operations
(73) Merck Patent GmbH	C10L 1/10	(72) HE, Lin
(72) WITTEK, Michael	C10L 1/12	ZHANG, Hai Zhou
REIFFENRATH, Volker	C10L 1/14	(51) C11D 3/33
(31) 16203219	C10L 10/02	C11D 7/32
(32) 09.12.2016	(11) EP3351610	(11) EP3546557
(33) European Patent Office (EPO)	(21) EP16846753.8	(21) EP18164662.1
(51) C09K 19/04	(47) 07.10.2020	(47) 07.10.2020
C09K 19/12	(87) KR2016008816	(22) 28.03.2018
C09K 19/30	23.03.2017	(54) CATALASE INHIBITION DURING A
C09K 19/60	(22) 11.08.2016	LAUNDERING PROCESS
(11) EP3529334	(54) FUEL ADDITIVE FOR REDUCING	(73) The Procter & Gamble Company
(21) EP17781146.0	GREENHOUSE GASES, NITROGEN	(72) FULLER, Linsey Sarah
(47) 07.10.2020	OXIDES AND PARTICULATE MATTER	BROOKER, Alan Thomas
(87) EP2017076314	(73) Lee, Young Seo	URE, Colin
26.04.2018	Lee, Myeong Jin	(51) C11D 3/37
(22) 16.10.2017	(72) Lee, Young Seo	C11D 3/43
(54) LIQUID-CRYSTALLINE MEDIUM	Lee, Myeong Jin	(11) EP2164942
(73) Merck Patent GmbH	(31) 20150131375	(21) EP08776555.8
(72) LEE, Jung-Min	(32) 17.09.2015	(47) 07.10.2020
BAE, Hyun-Woo	(33) Korea (Republic)	(87) IB2008052602
SONG, Dong-Mee	(51) C10M 169/04	08.01.2009

(22) 27.06.2008	(54) METHOD FOR MAKING SWEET WINE	DEN DULK, Remco
(54) LAUNDRY DETERGENT	WITH GRAPE FLAVOR, AND SWEET	(31) 1454866
COMPOSITIONS COMPRISING	WINE WITH GRAPE FLAVOR	(32) 28.05.2014
AMPHIPHILIC GRAFT POLYMERS	(73) Dong, Boxing	(33) France
BASED ON POLYALKYLENE OXIDES	(72) Dong, Boxing	(51) C12M 1/00
AND VINYL ESTERS AND AMINATED	(31) 201610395131	G01N 15/06
HYDROPHILIC SOIL REMOVAL	(32) 06.06.2016	(11) EP3414548
POLYMERS	(33) China	(21) EP17705566.2
(73) The Procter & Gamble Company	(51) C12G 3/08	(47) 07.10.2020
(72) BOUTIQUE, Jean-Pol	G01B 9/02	(87) EP2017052812
DANZIGER, James, Lee	G01J 3/14	17.08.2017
HULSKOTTER, Frank	G01N 21/41	(22) 09.02.2017
VANDENBERGHE, Frederik	G01N 33/14	(54) CELL SEPARATION DEVICE AND USE
GARDNER, Robb, Richard	(11) EP3313974	OF A FLOW FORMATION FOR THE
CASADO-DOMINGUEZ, Arturo, Luis	(21) EP16818641.9	CELL SEPARATION DEVICE
(31) 937818 P	(47) 07.10.2020	(73) Hamilton Bonaduz AG
(32) 29.06.2007	(87) US2016039972	Fraunhofer-Gesellschaft zur Förderung
(33) United States of America	05.01.2017	der angewandten Forschung e.V.
(51) C11D 3/50	(22) 29.06.2016	(72) KISSLING, Tom
C11D 17/00	(54) NONINVASIVE REFRACTOMETER	GROSCH, Jens
C11D 17/02	(73) Harjunmaa, Hannu	ZUMSTEIN, Thomas
C11D 17/06	Harjunmaa, Sinikka	TRAUBE, Andrea
(11) EP3310894	(72) Harjunmaa, Hannu	ETZOLD, Carsten
(21) EP16741413.5	Harjunmaa, Sinikka	SEILER, Tobias
(47) 07.10.2020	(31) 201562186301 P	(31) 102016202139
(87) US2016037974	201562246032 P	(32) 12.02.2016
22.12.2016	(32) 29.06.2015	(33) Germany
(22) 17.06.2016	24.10.2015	(51) C12M 1/34
(54) PACKAGED COMPOSITION	(33) United States of America	C12M 1/36
(73) The Procter & Gamble Company	United States of America	C12M 3/06
(72) DYKSTRA, Robert, Richard	(51) C12M 1/00	(11) EP3484993
FRENTZEL, Lisa, Grace	C12M 1/04	(21) EP17734029.6
HUDDLESTON, Richard, Albert	C12M 1/34	(47) 07.10.2020
(31) 201514744518	C12M 1/36	(87) EP2017065350
(32) 19.06.2015	C12N 1/00	18.01.2018
(33) United States of America	C12P 7/08	(22) 22.06.2017
(51) C11D 9/00	(11) EP3272853	(54) MICROFLUIDIC DEVICE FOR CELL
C11D 9/02	(21) EP16768600.5	CULTURE MONITORING
C11D 9/26	(47) 07.10.2020	(73) Global Life Sciences Solutions USA LLC
(11) EP3172309	(87) JP2016058430	(72) MOHAN, Prashanth, Hosabettu
(21) EP15733652.0	29.09.2016	MAITY, Sandip
(47) 07.10.2020	(22) 17.03.2016	KAVOORI SETHUMADHAVAN,
(87) EP2015063617	(54) CULTURING METHOD FOR	Nagapriya
28.01.2016	MICROORGANISM, AND CULTURE	PURANIK, Swapnil
(22) 17.06.2015	DEVICE	OU, Li
(54) USE OF SPECIFIC SOAP BAR	(73) Sekisui Chemical Co., Ltd.	KONDURU, Nagaraju
COMPOSITION FOR ENHANCED	(72) SATOU, Kanetomo	(31) 201611023831
LATHER IN PRESENCE OF WATER	ISHII, Tetsuya	(32) 12.07.2016
WITH HIGH ELECTROLYTE	(31) 2015057463	(33) India
CONCENTRATION	(32) 20.03.2015	(51) C12M 1/34
(73) Unilever NV	(33) Japan	C12N 1/20
(72) ASTOLFI, Rafael	(51) C12M 1/00	C12Q 1/04
GATI, Emiliana Alves dos Reis	C12N 1/06	C12Q 1/14
LEOPOLDINO, Sergio Roberto	G01N 1/28	C12Q 1/34
VIDIGAL, Luiz Felipe Costa	(11) EP3149445	C12Q 1/42
VIJAYAKRISHNAN, Venugopal	(21) EP15734447.4	(11) EP3409784
(31) 14178075	(47) 07.10.2020	(21) EP17744292.8
(32) 22.07.2014	(87) IB2015053970	(47) 07.10.2020
(33) European Patent Office (EPO)	03.12.2015	(87) JP2017002629
(51) C12G 1/022	(22) 27.05.2015	03.08.2017
C12H 6/00	(54) DEVICE FOR LYSING BIOLOGICAL	(22) 26.01.2017
(11) EP3467089	SPECIES AND METHOD	(54) MEDIUM FOR DETECTING
(21) EP17809680.6	IMPLEMENTED BY SAID DEVICE	STAPHYLOCOCCUS AUREUS
(47) 07.10.2020	(73) COMMISSARIAT A L'ENERGIE	(73) Dai Nippon Printing Co., Ltd.
(87) CN2017087120	ATOMIQUE ET AUX ENERGIES	(72) KAZAMA, Keisuke
14.12.2017	ALTERNATIVES	SAITOU, Rui
(22) 05.06.2017	(72) BOURDAT, Anne-Gaelle	(31) 2016016378
	VIANA, Antonio	2016113278

(32) 29.01.2016 07.06.2016	(33) United States of America	(31) 143401 P
(33) Japan	(51) C12N 5/0793	(32) 08.01.2009
Japan	C12N 5/0797	(33) United States of America
(51) C12N 1/21	(11) EP3277801	(51) C12N 9/14
C12N 15/52	(21) EP16715049.9	A23K 10/14
C12P 13/06	(47) 07.10.2020	(11) EP3495473
(11) EP2998388	(87) GB2016050882	(21) EP19152082.4
(21) EP15805095.5	06.10.2016	(47) 07.10.2020
(47) 07.10.2020	(22) 30.03.2016	(22) 27.08.2014
(87) KR2015006307	(54) METHOD FOR PRODUCING OTIC	(54) METHOD FOR THE HYDROLYSIS
30.12.2015	PROGENITORS	OF ZEARELENONE AND/OR
(22) 22.06.2015	(73) The University Of Sheffield	ZEARELENONE DERIVATIVES USING
(54) MICROORGANISM PRODUCING	(72) RIVOLTA, Carlos Marcelo Nicolas	A POLYPEPTIDE, AND USE THEROF
O-ACETYL HOMOSERINE, AND	BARROTT, Darrell Michael	(73) Erber Aktiengesellschaft
METHOD FOR PRODUCING O-	(31) 201505605	(72) FRUHAUF, Sebastian
ACETYL HOMOSERINE BY USING	(32) 31.03.2015	THAMHESL, Michaela
MICROORGANISM	(33) United Kingdom	PFEFFER, Martin
(73) Cj Cheiljedang Corporation	(51) C12N 5/10	MOLL, Dieter
(72) KIM, Hyun Ah	C12N 15/09	SCHATZMAYR, Gerd
SEO, Ju Hee	C12N 5/0735	BINDER, Eva Maria
SHIN, Yong Uk	C12N 5/074	(31) 6672013
KIM, So Young	C12N 5/077	(32) 28.08.2013
KIM, Sang Kyoun	(11) EP3339429	(33) Austria
NA, Kwang Ho	(21) EP16839210.8	(51) C12N 9/14
BAE, Jee Yeon	(47) 07.10.2020	A23K 10/14
SON, Sung Kwang	(87) JP2016074248	(11) EP3498830
YOO, Hye Ryun	02.03.2017	(21) EP19152381.0
CHOI, Jin Geun	(22) 19.08.2016	(47) 07.10.2020
(31) 20140076779	(54) OSTEOBLASTS AND METHOD FOR	(22) 27.08.2014
(32) 23.06.2014	PREPARING SAME	(54) METHOD FOR THE HYDROLYSIS
(33) Korea (Republic)	(73) KYOTO PREFECTURAL PUBLIC	OF ZEARELENONE AND/OR
(51) C12N 5/00	UNIVERSITY CORPORATION	ZEARELENONE DERIVATIVES USING
(11) EP2958987	(72) YAMAMOTO, Kenta	A POLYPEPTIDE AND USE THEREOF
(21) EP14706693.0	KISHIDA, Tsunao	(73) Erber Aktiengesellschaft
(47) 07.10.2020	YAMAMOTO, Toshiro	(72) FRUHAUF, Sebastian
(87) GB2014050541	MAZDA, Osam	THAMHESL, Michaela
28.08.2014	(31) 2015163880	PFEFFER, Martin
(22) 21.02.2014	(32) 21.08.2015	MOLL, Dieter
(54) METHOD OF STORING OR	(33) Japan	SCHATZMAYR, Gerd
PRESERVING LIVE HUMAN STEM	(51) C12N 9/04	BINDER, Eva Maria
CELLS IN STASIS	C12N 9/10	(31) 6672013
(73) The University Of Sheffield	C12N 9/12	(32) 28.08.2013
(72) CANTON, Irene	C12N 9/88	(33) Austria
ARMES, Steven Peter	C12N 15/52	(51) C12N 9/22
WARREN, Nicholas John	C12P 5/00	C12N 15/10
MOORE, Harry	(11) EP3346008	C12N 15/62
BATTAGLIA, Giuseppe	(21) EP18156987.2	C12N 15/66
CECCHIN, Denis	(47) 07.10.2020	C12P 19/34
(31) 201303101	(22) 04.06.2013	(11) EP3167071
(32) 21.02.2013	(54) RECOMBINANT MICROORGANISMS	(21) EP15818477.0
(33) United Kingdom	AND USES THEREFOR	(47) 07.10.2020
(51) C12N 5/00	(73) LanzaTech New Zealand Limited	(87) US2015039517
C12N 5/074	(72) CHEN, Wendy	14.01.2016
(11) EP2766474	LIEW, FungMin	(22) 08.07.2015
(21) EP12840683.2	KOEPKE, Michael	(54) COMPOSITIONS AND METHODS FOR
(47) 07.10.2020	(31) 201261654412 P	SITE-DIRECTED DNA NICKING AND
(87) US2012000514	(32) 01.06.2012	CLEAVING
18.04.2013	(33) United States of America	(73) Gen9, Inc.
(22) 14.10.2012	(51) C12N 9/10	(72) JACOBSON, Joseph
(54) INHIBITION AND ENHANCEMENT OF	(11) EP3354727	SADEM, Ishtiaq E.
REPROGRAMMING BY CHROMATIN	(21) EP17208538.3	HUDSON, Michael E.
MODIFYING ENZYMES	(47) 07.10.2020	LEAKE, Devin
(73) Children's Medical Center Corporation	(22) 08.01.2010	(31) 201462022617 P
(72) ONDER, Tamer T.	(54) TRANSAMINASE POLYPEPTIDES	201462065238 P
DALEY, George Q.	(73) Codexis, Inc.	(32) 09.07.2014
(31) 201161547404 P	(72) DHAWAN, Ish, Kumar	17.10.2014
(32) 14.10.2011	MILLER, Gregory	(33) United States of America
	ZHANG, Xiyun	United States of America

(51) C12N 9/24 C12N 9/28	United States of America	(73) Alnylam Pharmaceuticals, Inc.
(11) EP3421595	(51) C12N 9/50	(72) ZIMMERMANN, Tracy
(21) EP18183123.1	C12N 15/52	CHAN, Amy
(47) 07.10.2020	C12N 15/70	JADHAV, Vasant
(22) 29.06.2012	C12P 7/42	MAIER, Martin
(54) ALPHA-AMYLASE-VARIANTS	C12P 19/30	RAJEEV, Kallanthottathil, G.
(73) Novozymes A/S	(11) EP3219796	(31) 201562199563 P
(72) KAASGAARD, Svend, G.	(21) EP17163812.5	201662287518 P
OEBRO, Jens	(47) 07.10.2020	(32) 31.07.2015
LARSEN, Signe, Eskildsen	(22) 31.08.2011	27.01.2016
SVENDSEN, Allan	(54) METHODS FOR CONTROL OF FLUX	(33) United States of America
JOHANSEN, Annette, Helle	IN METABOLIC PATHWAYS THROUGH	United States of America
SKJOET, Michael	PROTEASE MANIPULATION	(51) C12N 15/113
ANDERSEN, Carsten	(73) GreenLight Biosciences, Inc.	C12Q 1/6874
BEIER, Lars	The Board of Trustees of the Leland	(11) EP3183358
FRIIS, Esben, P.	Stanford Junior University	(21) EP15834552.0
TOSCANO, Miguel,D,G,P.	(72) SWARTZ, James R.	(47) 07.10.2020
BJOERNVAD, Mads	(31) 378828 P	(87) US2015045805
RASMUSSEN, Frank W.	(32) 31.08.2010	25.02.2016
CHRISTIANSEN, Liv S.	(33) United States of America	(22) 19.08.2015
(31) 11172251	(51) C12N 9/90	(54) RNA-GUIDED SYSTEMS FOR
(32) 30.06.2011	C12P 17/04	PROBING AND MAPPING OF NUCLEIC
(33) European Patent Office (EPO)	(11) EP3286308	ACIDS
(51) C12N 9/42	(21) EP16718331.8	(73) President and Fellows of Harvard
C12P 7/10	(47) 07.10.2020	College
C12P 19/02	(87) EP2016058987	(72) CHURCH, George M.
C12P 19/14	27.10.2016	VIGNEAULT, Frederic
(11) EP2603596	(22) 22.04.2016	MIR, Kalim U.
(21) EP11746730.8	(54) ENZYMES AND APPLICATIONS	(31) 201462039341 P
(47) 07.10.2020	THEREOF	(32) 19.08.2014
(87) US2011046795	(73) Givaudan S.A.	(33) United States of America
16.02.2012	(72) EICHHORN, Eric	(51) C12N 15/63
(22) 05.08.2011	SCHILLING, Boris	(11) EP3129487
(54) COMPOSITIONS COMPRISING	WAHLER, Denis	(21) EP15776901.9
A POLYPEPTIDE HAVING	FOURAGE, Laurent	(47) 07.10.2020
CELLULOLYTIC ENHANCING ACTIVITY	LOCHER, Esther	(87) US2015025209
AND A LIQUOR AND USES THEREOF	(31) 201507207	15.10.2015
(73) Novozymes, Inc.	(32) 24.04.2015	(22) 09.04.2015
Novozymes North America, Inc.	(33) United Kingdom	(54) ENHANCED NUCLEIC ACID
(72) QUINLAN, Jason	(51) C12N 15/11	CONSTRUCTS FOR EUKARYOTIC
XU, Feng	C12N 15/113	GENE EXPRESSION
SWEENEY, Matthew	(11) EP3372684	(73) DNA TWOPOINTO INC.
HIGGINS, Don	(21) EP18000072.1	(72) MINSHULL, Jeremy
XU, Hui	(47) 07.10.2020	WELCH, Mark
(31) 373170 P	(22) 19.08.2011	GOVINDRAJAN, Sridhar
373166 P	(54) SINGLE-STRANDED RNAI AGENTS	CAVES, Kate
373157 P	CONTAINING AN INTERNAL, NON-	(31) 201461977474 P
373150 P	NUCLEIC ACID SPACER	201462003397 P
373145 P	(73) Sirna Therapeutics, Inc.	201462046875 P
373128 P	(72) Lim, Lee	201462046705 P
373124 P	Willingham, Aarron	201462069656 P
373210 P	Zhao, Lihong	201562120522 P
(32) 12.08.2010	Chorn, Guillaume	(32) 09.04.2014
12.08.2010	(31) 376471 P	27.05.2014
12.08.2010	(32) 24.08.2010	05.09.2014
12.08.2010	(33) United States of America	05.09.2014
12.08.2010	(51) C12N 15/113	28.10.2014
12.08.2010	(11) EP3329002	25.02.2015
12.08.2010	(21) EP16750567.6	(33) United States of America
12.08.2010	(47) 07.10.2020	United States of America
12.08.2010	(87) US2016044359	United States of America
(33) United States of America	09.02.2017	United States of America
United States of America	(22) 28.07.2016	United States of America
United States of America	(54) TRANSTHYRETIN (TTR) IRNA	United States of America
United States of America	COMPOSITIONS AND METHODS	United States of America
United States of America	OF USE THEREOF FOR TREATING	(51) C12N 15/64
United States of America	OR PREVENTING TTR-ASSOCIATED	C12N 15/65
United States of America	DISEASES	C12N 15/70
		(11) EP3535399

- (21) EP17791421.5
(47) 07.10.2020
(87) EP2017077959
11.05.2018
(22) 01.11.2017
(54) TEMPERATURE BASED PLASMID
REGULATION SYSTEM
(73) Novo Nordisk A/S
(72) CHAPLIN, Jay
(31) 201662415717 P
17150037
17169019
17177289
17198041
(32) 01.11.2016
02.01.2017
02.05.2017
22.06.2017
24.10.2017
(33) United States of America
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
European Patent Office (EPO)
-
- (51) C12N 15/81
C12P 7/56
(11) EP3309254
(21) EP16807847.5
(47) 07.10.2020
(87) KR2016006187
15.12.2016
(22) 10.06.2016
(54) MICROORGANISM PRODUCING
LACTIC ACID AND METHOD FOR
PRODUCING LACTIC ACID USING
SAME
(73) CJ Cheiljedang Corporation
(72) KIM, Seon Hye
LEE, Tae Hee
YANG, Young Lyeol
YANG, Eun Bin
NA, Kyungsu
HA, Cheol Woong
(31) 20150083658
(32) 12.06.2015
(33) Korea (Republic)
-
- (51) C12N 15/82
(11) EP3024937
(21) EP14776902.0
(47) 07.10.2020
(87) IB2014063411
29.01.2015
(22) 25.07.2014
(54) PLANT PRODUCED HUMAN
PAPILLOMAVIRUS PSEUDOVIRION
(73) University of Cape Town
(72) RYBICKI, Edward, P.
HITZEROTH, Inga Isabel
(31) 201305650
(32) 25.07.2013
(33) South Africa
-
- (51) C12P 7/06
C12P 7/16
C12P 7/42
C12P 7/54
(11) EP2752494
(21) EP13199674.6
(47) 07.10.2020
- (22) 27.12.2013
(54) Method for enhancing carbon biofixation
using lactic acid
(73) Industrial Technology Research Institute
(72) Chen, Chang-Chieh
Kuo, Hsin-Tzu
Chou, Yi-Te
Hsu, Chin-Chen
Wu, Shao-Wen
(31) 201361749010 P
201314140627
(32) 04.01.2013
26.12.2013
(33) United States of America
United States of America
-
- (51) C12P 7/10
C12P 19/02
C12P 19/12
C12P 19/14
C12P 19/26
(11) EP2601302
(21) EP11746093.1
(47) 07.10.2020
(87) US2011046838
09.02.2012
(22) 05.08.2011
(54) METHODS OF DEGRADING OR
HYROLYZING A POLYSACCHARIDE
(73) Novozymes A/S
Novozymes, Inc.
(72) VAAJE-KOLSTAD, Gustav
WESTERENG, Bjorge
EIJSSINK, Vincent G. H.
HORN, Svein J.
SORLIE, Morten
FORSBERG, Zarah
(31) 201105062
201016858
201013317
(32) 25.03.2011
06.10.2010
06.08.2010
(33) United Kingdom
United Kingdom
United Kingdom
-
- (51) C12P 13/10
C12P 13/14
C12P 13/24
(11) EP3385389
(21) EP18164967.4
(47) 07.10.2020
(22) 29.03.2018
(54) METHOD FOR PRODUCING L-AMINO
ACIDS FROM FRUCTOSE
(73) AJINOMOTO CO., INC.
(72) YOKOTA, Kosuke
HAYASHI, Kazuyuki
(31) 2017073937
(32) 03.04.2017
(33) Japan
-
- (51) C12P 19/34
C12Q 1/68
(11) EP3460074
(21) EP18188881.9
(47) 07.10.2020
(22) 04.02.2011
(54) METHOD TO DETECT REPEAT
SEQUENCE MOTIFS IN NUCLEIC ACID
- (73) Quest Diagnostics Investments
Incorporated
(72) Hantash, Feras
Sun, Weimin
Tsao, David C.
Root, Dana Marie
Strom, Charles M.
(31) 30205910 P
(32) 05.02.2010
(33) United States of America
-
- (51) C12Q 1/25
G01N 30/88
G01N 33/574
C12Q 1/68
C12Q 1/6806
(11) EP3359680
(21) EP16778841.3
(47) 07.10.2020
(87) EP2016074242
13.04.2017
(22) 10.10.2016
(54) METHODS FOR DETECTING OR
QUANTIFYING CTP AND CTP
SYNTHASE ACTIVITY
(73) Assistance Publique - Hôpitaux de Paris
Imagine Institut des Maladies Génétiques
Necker Enfants Malades
Université Paris Descartes
Institut National de la Santé et de la
Recherche Médicale (INSERM)
Centre National de la Recherche
Scientifique (CNRS)
(72) SANQUER, Sylvia
BOSCHAT, Anne-Claire
LATOURE, Sylvain
MARTIN, Emmanuel
BAROUKI, Robert
(31) 15306609
(32) 09.10.2015
(33) European Patent Office (EPO)
-
- (51) C12Q 1/66
G01N 33/53
(11) EP2667192
(21) EP13169222.0
(47) 07.10.2020
(22) 24.01.2005
(54) Luminogenic and nonluminogenic
multiplex assay
(73) Promega Corporation
(72) Riss, Terry L.
Niles, Andrew
Moravec, Richard A
(31) 762836
(32) 22.01.2004
(33) United States of America
-
- (51) C12Q 1/68
(11) EP3301188
(21) EP17189306.8
(47) 07.10.2020
(22) 22.02.2013
(54) METHODS FOR THE PREPARATION
OF RNA LIBRARIES
(73) Life Technologies Corporation
(72) GU, Jian
BRAMLETT, Kelli
BURNETT, Christopher
(31) 20126162494 P
(32) 16.04.2012

(33) United States of America	C12Q 1/6858	Geary, Timothy
(51) C12Q 1/68	(11) EP2710144	(31) 201361839545 P
C12Q 1/6886	(21) EP12723070.4	(32) 26.06.2013
G16B 5/00	(47) 07.10.2020	(33) United States of America
(11) EP2938745	(87) US2012038710	(51) C12Q 1/770
(21) EP13831865.4	22.11.2012	(11) EP3401409
(47) 07.10.2020	(22) 18.05.2012	(21) EP18180547.4
(87) IB2013061066	(54) PROCESSES FOR MULTIPLEX	(47) 07.10.2020
03.07.2014	NUCLEIC ACID IDENTIFICATION	(22) 23.04.2013
(22) 18.12.2013	(73) Agena Bioscience, Inc.	(54) COMPOSITIONS, METHODS AND KITS
(54) ASSESSMENT OF CELLULAR	(72) HONISCH, Christiane	TO DETECT HERPES SIMPLEX VIRUS
SIGNALING PATHWAY ACTIVITY	VAN DEN BOOM, Dirk, Johannes	NUCLEIC ACIDS
USING LINEAR COMBINATION(S) OF	MOSKO, Michael	(73) Gen-Probe Incorporated
TARGET GENE EXPRESSIONS	NYGREN, Anders	(72) GETMAN, Damon Kittredge
(73) Koninklijke Philips N.V.	(31) 201161488082 P	(31) 201261637769 P
(72) VAN OOIJEN, Hendrik, Jan	(32) 19.05.2011	201361748854 P
VERHAEGH, Wilhelmus, Franciscus,	(33) United States of America	201361773718 P
Johannes	(51) C12Q 1/6848	(32) 24.04.2012
VAN DE WIEL, Paul, Arnold	C12Q 1/6853	04.01.2013
(31) 201261745839 P	(11) EP3417072	06.03.2013
(32) 26.12.2012	(21) EP17707203.0	(33) United States of America
(33) United States of America	(47) 07.10.2020	United States of America
(51) C12Q 1/68	(87) EP2017053560	United States of America
G16B 25/00	24.08.2017	(51) C13B 10/10
(11) EP2885426	(22) 16.02.2017	G05B 19/418
(21) EP13759904.9	(54) METHOD OF ELIMINATING	G06Q 10/04
(47) 07.10.2020	BACKGROUND AMPLIFICATION OF	(11) EP2691924
(87) US2013054861	NUCLEIC ACID TARGETS	(21) EP11813892.4
20.02.2014	(73) The Foundation for the Promotion of	(47) 07.10.2020
(22) 14.08.2013	Industrial Science	(87) IB2011003129
(54) SYSTEMS, MODELS AND METHODS	Centre National de la Recherche	04.10.2012
FOR IDENTIFYING AND EVALUATING	Scientifique (CNRS)	(22) 22.12.2011
SKIN-ACTIVE AGENTS EFFECTIVE	(72) RONDELEZ, Yannick	(54) CANE PREPARATION UNIT AND
FOR TREATING AN ARRAY OF SKIN	GINES, Guillaume	METHOD OF OPERATION
DISORDERS	MONTAGNE, Kevin	(73) ABB Schweiz AG
(73) The Procter & Gamble Company	FUJII, Teruo	(72) M, Arun Kumar
(72) MILLS, Kevin John	(31) PCT/IB2016/000352	SRINIVASA, Babji Buddhi
XU, Jun	(32) 16.02.2016	BADWE, Abhijit
BINDER, Robert Lloyd	(33) World Intellectual Property Office (WIPO)	(31) 1047CH2011
YOUNGQUIST, Robert Scott	(51) C12Q 1/6886	(32) 31.03.2011
FINLAY, Deborah Ruth	(11) EP3189156	(33) India
BASCOM, Charles Carson	(21) EP15750397.0	(51) C14B 15/06
(31) 201261683667 P	(47) 07.10.2020	C14B 17/08
(32) 15.08.2012	(87) EP2015068397	(11) EP3122908
(33) United States of America	11.02.2016	(21) EP15729084.2
(51) C12Q 1/6806	(22) 10.08.2015	(47) 07.10.2020
(11) EP3252168	(54) THYROID CANCER DIAGNOSIS BY	(87) EP2015056441
(21) EP16743613.8	DNA METHYLATION ANALYSIS	01.10.2015
(47) 07.10.2020	(73) AIT Austrian Institute of Technology	(22) 25.03.2015
(87) KR2016000151	GmbH	(54) A PELT BOARD SYSTEM AND A
04.08.2016	(72) VIERLINGER, Klemens	FASTENING ASSEMBLY
(22) 07.01.2016	(31) 14180318	(73) Minkpapier A/S
(54) PCR PRIMER LINKED TO	(32) 08.08.2014	(72) LARSEN, Johnny
COMPLEMENTARY NUCLEOTIDE	(33) European Patent Office (EPO)	FRØLUND, Søren
SEQUENCE OR COMPLEMENTARY	(51) C12Q 1/6888	ANDERSEN, Mogens Fahlgren
NUCLEOTIDE SEQUENCE INCLUDING	(11) EP3431613	KORSGAARD, Søren
MIS-MATCHED NUCLEOTIDES AND	(21) EP18186424.0	(31) 14161481
METHOD FOR AMPLIFYING NUCLEIC	(47) 07.10.2020	14161509
ACID USING SAME	(22) 25.06.2014	14199640
(73) SD Biosensor Inc.	(54) MARKERS TO PREDICT	14199651
(72) WON, Yoo-Deok	MACROCYCLIC LACTONE	(32) 25.03.2014
PARK, Hae-Joon	RESISTANCE IN DIROFILARIA	25.03.2014
LEE, Sun-Young	IMMITIS, THE CAUSATIVE AGENT OF	22.12.2014
(31) 20150015276	HEARTWORM DISEASE	22.12.2014
(32) 30.01.2015	(73) ELANCO US INC.	(33) European Patent Office (EPO)
(33) Korea (Republic)	McGill University	European Patent Office (EPO)
(51) C12Q 1/6809	(72) Prichard, Roger	European Patent Office (EPO)
C12Q 1/6853	Bourguinat, Catherine	

European Patent Office (EPO)	(11) EP2554709	(47) 07.10.2020
(51) C21B 5/00	(21) EP11762856.0	(87) JP2012051365
C22B 1/20	(47) 07.10.2020	23.08.2012
F27B 21/00	(87) JP2011057849	(22) 23.01.2012
(11) EP3631333	06.10.2011	(54) HIGH-PURITY FERRITIC STAINLESS
(21) EP18723868.8	(22) 29.03.2011	STEEL SHEET HAVING EXCELLENT
(47) 07.10.2020	(54) BEARING PART INSPECTION METHOD	OXIDATION RESISTANCE AND HIGH-
(87) EP2018063045	(73) NTN Corporation	TEMPERATURE STRENGTH, AND
29.11.2018	(72) OHKI, Chikara	METHOD FOR PRODUCING SAME
(22) 18.05.2018	(31) 2010075370	(73) Nippon Steel & Sumikin Stainless Steel
(54) METHOD OF OPERATING A SINTER	(32) 29.03.2010	Corporation
PLANT	(33) Japan	(72) HATANO, Masaharu
(73) Paul Wurth S.A.	(51) C21D 1/26	ISHIMARU, Eiichiro
(72) KINZEL, Klaus Peter	C21D 1/74	TAKAHASHI, Akihiko
(31) 100260	C21D 1/76	(31) 2011032476
(32) 22.05.2017	C21D 6/00	2011032499
(33) Luxembourg	C21D 8/02	(32) 17.02.2011
(51) C21D 1/00	C21D 9/46	17.02.2011
C21D 1/18	C22C 38/02	(33) Japan
C21D 1/673	C22C 38/04	Japan
C21D 9/00	C22C 38/42	(51) C21D 7/13
C22C 38/00	C22C 38/48	C22C 38/14
C22C 38/02	C23G 1/08	(11) EP3124640
C22C 38/04	C25D 11/34	(21) EP15767692.5
C22C 38/06	C25F 1/06	(47) 07.10.2020
C22C 38/42	C25F 3/06	(87) CN2015070729
C22C 38/50	H01M 8/0202	01.10.2015
F27B 5/06	H01M 8/021	(22) 15.01.2015
F27B 17/00	H01M 8/0228	(54) STEEL PLATE WITH YIELD STRENGTH
F27D 5/00	H01M 8/0254	AT 890MPA LEVEL AND LOW
(11) EP3364138	H01M 8/10	WELDING CRACK SENSITIVITY
(21) EP16855506.8	H01M 8/1018	AND MANUFACTURING METHOD
(47) 07.10.2020	(11) EP3470540	THEREFOR
(87) JP2016080479	(21) EP17810087.1	(73) Baoshan Iron & Steel Co., Ltd.
20.04.2017	(47) 07.10.2020	(72) YAO, Liandeng
(22) 14.10.2016	(87) JP2017019090	ZHAO, Sixin
(54) HEATING DEVICE	14.12.2017	WANG, Pengjian
(73) Toyoda Iron Works Co., Ltd.	(22) 22.05.2017	MIAO, Yuchuan
(72) KAWAHARA Nobuyuki	(54) STAINLESS STEEL SHEET FOR	(31) 201410114779
(31) 2015203651	FUEL CELL SEPARATORS, AND	(32) 25.03.2014
(32) 15.10.2015	PRODUCTION METHOD THEREFOR	(33) China
(33) Japan	(73) JFE Steel Corporation	(51) C21D 9/00
(51) C21D 1/00	(72) YANO Takayoshi	F27B 9/30
C21D 1/18	ISHIKAWA Shin	F27D 9/00
C21D 1/673	(31) 2016116629	H01L 21/67
C21D 9/00	2016222709	H01L 21/677
F27D 5/00	(32) 10.06.2016	(11) EP3494350
(11) EP3364137	15.11.2016	(21) EP17754898.9
(21) EP16855505.0	(33) Japan	(47) 07.10.2020
(47) 07.10.2020	Japan	(87) US2017045647
(87) JP2016080478	(51) C21D 6/00	08.02.2018
20.04.2017	C21D 8/02	(22) 05.08.2017
(22) 14.10.2016	C21D 9/46	(54) THERMAL PROCESS DEVICE
(54) HEATING DEVICE	C22C 1/02	(73) Sandvik Thermal Process, Inc.
(73) Toyoda Iron Works Co., Ltd.	C22C 38/00	(72) PECK, Kevin
(72) KAWAHARA Nobuyuki	C22C 38/02	(31) 201662371369 P
(31) 2015203650	C22C 38/04	(32) 05.08.2016
(32) 15.10.2015	C22C 38/06	(33) United States of America
(33) Japan	C22C 38/20	(51) C22B 7/04
(51) C21D 1/06	C22C 38/22	C22B 9/10
C21D 9/40	C22C 38/26	C22B 34/12
C23C 8/32	C22C 38/28	C22C 1/02
C23C 8/56	C22C 38/30	C22C 1/06
C23C 8/76	C22C 38/32	C22C 14/00
C23C 8/80	C22C 38/34	(11) EP3495513
F16C 33/32	C22C 38/40	(21) EP18816517.9
F16C 33/62	(11) EP2677055	(47) 07.10.2020
F16C 33/64	(21) EP12747087.0	(87) CN2018087692

20.12.2018	H01M 10/30	EICKEMEYER, Felix
(22) 21.05.2018	(11) EP3483960	BLASBERG, Florian
(54) ALUMINUM THERMAL SELF-PROPAGATION GRADIENT REDUCTION AND SLAG WASHING AND REFINING-BASED METHOD FOR PREPARING TITANIUM ALLOY	(21) EP18204976.7	LIMBURG, Carolin
(73) Northeastern University	(47) 07.10.2020	(31) 14179724
(72) DOU, Zhihe	(22) 07.11.2018	(32) 04.08.2014
ZHANG, Tingan	(54) NEGATIVE ELECTRODE FOR NICKEL HYDROGEN SECONDARY BATTERY, AND NICKEL HYDROGEN SECONDARY BATTERY INCLUDING THE NEGATIVE ELECTRODE	(33) European Patent Office (EPO)
LIU, Yan	(73) FDK Corporation	(51) C23C 18/14
LV, Guozhi	(72) Saguchi, Akira	C23C 18/16
ZHAO, Qiuyue	Ishida, Jun	C23C 18/44
NIU, Liping	Ohata, Shota	H01B 1/22
FU, Daxue	(31) 2017217555	C09D 11/00
ZHANG, Weiguang	(32) 10.11.2017	C09D 11/30
(31) 201710443771	(33) Japan	C09D 11/38
(32) 13.06.2017	(51) C22C 38/00	(11) EP3450512
(33) China	C22C 38/28	(21) EP18187161.7
(51) C22C 1/02	C22C 38/50	(47) 07.10.2020
C22C 38/00	(11) EP2893049	(22) 02.08.2018
C22C 38/02	(21) EP12766456.3	(54) MOLECULAR ORGANIC REACTIVE INKS FOR CONDUCTIVE SILVER PRINTING
C22C 38/04	(47) 07.10.2020	(73) Xerox Corporation
C22C 38/06	(87) FR2012051969	(72) KEOSHKERIAN, Barkev
C22C 38/18	06.03.2014	CHRÉTIEN, Michelle N.
C22C 38/28	(22) 03.09.2012	GOREDEMA, Adela
C22C 38/44	(54) FERRITIC STAINLESS STEEL SHEET, METHOD FOR THE PRODUCTION THEREOF, AND USE OF SAME, ESPECIALLY IN EXHAUST LINES	SMITHSON, Chad
C22C 38/50	(73) Aperam Stainless France	VELLA, Sarah J.
(11) EP3445884	(72) SANTACREU, Pierre-Olivier	(31) 201715692201
(21) EP17708795.4	MIRAVAL, Claudine	(32) 31.08.2017
(47) 07.10.2020	SAEDLOU, Saghi	(33) United States of America
(87) EP2017055143	(51) C23C 14/04	(51) C23C 18/16
26.10.2017	H01L 27/32	C23C 18/52
(22) 06.03.2017	H01L 51/00	C25D 3/32
(54) FERRITIC ALLOY	(11) EP3282035	C25D 7/00
(73) Sandvik Intellectual Property AB	(21) EP17185095.1	(11) EP3562974
(72) JÖNSSON, Bo	(47) 07.10.2020	(21) EP17817752.3
(31) 16166661	(22) 07.08.2017	(47) 07.10.2020
(32) 22.04.2016	(54) MASK ASSEMBLY	(87) EP2017083726
(33) European Patent Office (EPO)	(73) Samsung Display Co., Ltd.	05.07.2018
(51) C22C 13/00	(72) Hong, Jaemin	(22) 20.12.2017
C23C 8/06	Kwen, Hanul	(54) TIN PLATING BATH AND A METHOD FOR DEPOSITING TIN OR TIN ALLOY ONTO A SURFACE OF A SUBSTRATE
C23C 8/14	Kim, Jeunghoon	(73) Atotech Deutschland GmbH
C23C 8/18	Yu, Jakyung	(72) TUNA, Kadir
C23C 8/80	Lee, Sujin	KILIAN, Arnd
C23C 28/00	(31) 20160100880	(31) 16207103
C25D 7/10	(32) 08.08.2016	(32) 28.12.2016
C25D 11/34	(33) Korea (Republic)	(33) European Patent Office (EPO)
F16C 17/02	(51) C23C 16/18	(51) C23D 5/04
F16C 33/12	C23C 16/455	H01J 37/32
(11) EP3087214	(11) EP3177751	H05H 1/24
(21) EP14838773.1	(21) EP15739640.9	(11) EP3323139
(47) 07.10.2020	(47) 07.10.2020	(21) EP16751032.0
(87) AT2014050304	(87) EP2015066981	(47) 07.10.2020
02.07.2015	11.02.2016	(87) NL2016050526
(22) 18.12.2014	(22) 24.07.2015	19.01.2017
(54) MULTI-LAYER SLIDING BEARING	(54) PROCESS FOR THE GENERATION OF THIN INORGANIC FILMS	(22) 15.07.2016
(73) Miba Gleitlager Austria GmbH	(73) BASF SE	(54) ELECTRODE ASSEMBLY FOR A DIELECTRIC BARRIER DISCHARGE PLASMA SOURCE AND METHOD OF MANUFACTURING SUCH AN ELECTRODE ASSEMBLY
(72) ZIDAR, Jakob	(72) STRAUTMANN, Julia	(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO
(31) 508512013	PACIELLO, Rocco	(72) SIMOR, Marcel
(32) 23.12.2013	SCHAUB, Thomas	SCHILT, André
(33) Austria	SCHIERLE-ARNDT, Kerstin	(31) 15176918
(51) C22C 19/03	LÖFFLER, Daniel	(32) 15.07.2015
C22C 28/00	WILMER, Hagen	
C22C 30/00		
H01M 4/24		
H01M 4/38		
H01M 4/62		

(33) European Patent Office (EPO)	D06M 23/08	(73) Tsudakoma Kogyo Kabushiki Kaisha
(51) C25B 1/00	D06M 23/16	(72) YAMANE, Masao
(11) EP3253905	D06P 1/00	SHIBU, Yutaka
(21) EP16702564.2	D06P 1/44	(31) 2016024858
(47) 07.10.2020	(11) EP3272916	(32) 12.02.2016
(87) EP2016052205	(21) EP17182255.4	(33) Japan
11.08.2016	(47) 07.10.2020	(51) D04B 21/10
(22) 02.02.2016	(22) 20.07.2017	D04B 23/02
(54) SELECTIVE PORPHYRIN-CATALYZED	(54) MULTI-LOBED FIBER	D04B 27/24
ELECTROCHEMICAL REDUCTION OF	(73) Suntex Fiber Co., Ltd.	(11) EP3385420
CO2 INTO CO IN WATER	(72) PAI, Hung Yu	(21) EP17195477.9
(73) Centre National de la Recherche	(31) 201662365832 P	(47) 07.10.2020
Scientifique (C.N.R.S.)	(32) 22.07.2016	(22) 09.10.2017
Université Paris Diderot (Paris 7)	(33) United States of America	(54) WARP KNITTING MACHINE, WARP
(72) COSTENTIN, Cyrille	(51) D01F 1/09	KNITTED FABRIC MANUFACTURING
ROBERT, Marc	D01F 6/62	METHOD AND WARP KNITTED FABRIC
SAVEANT, Jean-Michel	H01B 1/22	(73) Nippon Mayer Ltd.
TATIN, Arnaud	H01F 1/01	(72) TAKAYAMA, Hirokazu
AZCARATE, Iban	(11) EP3489969	OTA, Minoru
(31) 15305154	(21) EP18191210.6	OSAWA, Kazuhiro
(32) 02.02.2015	(47) 07.10.2020	KOIDE, Sachiko
(33) European Patent Office (EPO)	(22) 26.03.2015	TAKAOKA, Isao
(51) C30B 29/40	(54) FIBRE MADE OF PLASTIC WITH	(31) 2017076957
C30B 33/00	ELECTRICAL CONDUCTIVITY	(32) 07.04.2017
C30B 33/10	(73) EDD Innovations GmbH	(33) Japan
H01L 21/02	(72) VAN HATTUM, Edgar Johannes	(51) D04H 1/425
H01L 21/205	(31) 102014004592	D04H 1/46
H01L 21/304	(32) 26.03.2014	(11) EP3387172
(11) EP2423356	(33) Germany	(21) EP15813731.5
(21) EP10766881.6	(51) D02J 13/00	(47) 07.10.2020
(47) 07.10.2020	(11) EP3519617	(87) EP2015078983
(87) JP2010050193	(21) EP17704776.8	15.06.2017
28.10.2010	(47) 07.10.2020	(22) 08.12.2015
(22) 12.01.2010	(87) EP2017053246	(54) PATTERNED NONWOVEN MATERIAL
(54) PROCESS FOR PRODUCING	05.04.2018	(73) Essity Hygiene and Health Aktiebolag
INDIUM-PHOSPHORUS SUBSTRATE	(22) 14.02.2017	(72) STRANDQVIST, Mikael
AND PROCESS FOR PRODUCING	(54) PROCESS AND DEVICE FOR	(51) D04H 1/60
EPITAXIAL WAFER	COOLING AN ARTIFICIAL YARN	D21F 9/00
(73) Sumitomo Electric Industries, Ltd.	(73) Oerlikon Textile GmbH & Co. KG	D21F 11/04
(72) OKITA, Kyoko	(72) JUNGBECKER, Philip	D04H 1/732
(31) 2009102018	MÜNSTERMANN, Tobias	(11) EP3533926
(32) 20.04.2009	(31) 102016011740	(21) EP19159780.6
(33) Japan	(32) 28.09.2016	(47) 07.10.2020
(51) D01D 4/00	(33) Germany	(22) 27.02.2019
D01D 5/18	(51) D02J 13/00	(54) WEB FORMING DEVICE AND SHEET
D01D 13/00	(11) EP3523469	MANUFACTURING APPARATUS
D04H 1/728	(21) EP17705115.8	(73) Seiko Epson Corporation
(11) EP2900852	(47) 07.10.2020	(72) TANIGUCHI, Seiichi
(21) EP13827391.7	(87) EP2017053249	YODA, Kaneo
(47) 07.10.2020	12.04.2018	(31) 2018035259
(87) US2013053808	(22) 14.02.2017	2018109830
13.02.2014	(54) DEVICE FOR COOLING A WARM YARN	(32) 28.02.2018
(22) 06.08.2013	(73) Oerlikon Textile GmbH & Co. KG	07.06.2018
(54) DEVICES AND METHODS FOR THE	(72) CONRAD, Stefan	(33) Japan
PRODUCTION OF MICROFIBERS AND	JUNGBECKER, Philip	Japan
NANOFIBERS	MÜNSTERMANN, Tobias	(51) D04H 3/16
(73) Parker-Hannifin Corporation	RAMAKERS, Thomas	D04H 1/4291
(72) KAY, Stephen	(31) 102016012107	D04H 3/007
NER, Yogesh	(32) 08.10.2016	(11) EP3428331
CASTELLANO, Lenard	(33) Germany	(21) EP17763153.8
(31) 201261680109 P	(51) D03D 51/00	(47) 07.10.2020
201361776054 P	D03D 51/08	(87) JP2017008680
(32) 06.08.2012	(11) EP3205758	14.09.2017
11.03.2013	(21) EP17155161.7	(22) 06.03.2017
(33) United States of America	(47) 07.10.2020	(54) NONWOVEN FABRIC
United States of America	(22) 08.02.2017	(73) Daikin Industries, Ltd.
(51) D01D 5/253	(54) METHOD FOR PREPARING RESTART	(72) MASUDA, Eiji
D01F 1/02	OF LOOM	SAKAMI, Kazuki

KAWAHARA, Kazuya	D06F 39/08	(33) Turkey
(31) 2016048579	(11) EP3296448	(51) D06F 67/04
(32) 11.03.2016	(21) EP17186138.8	(11) EP3361001
(33) Japan	(47) 07.10.2020	(21) EP18000024.2
(51) D06F 23/06	(22) 14.08.2017	(47) 07.10.2020
D06F 37/26	(54) METHOD FOR OPERATING A	(22) 15.01.2018
F16C 19/38	WASHING MACHINE AND WASHING	(54) METHOD AND DEVICE FOR
F16C 35/067	MACHINE	TRANSPORTING LAUNDRY ITEMS
(11) EP3239383	(73) Miele & Cie. KG	HANGING ON CLAMPS AND FOR
(21) EP15871906.2	(72) Strothoff, Werner	TRANSFERRING THE LAUNDRY
(47) 07.10.2020	(31) 102016117295	ITEMS TO A FEEDING DEVICE
(87) CN2015097811	(32) 14.09.2016	(73) Herbert Kannegiesser GmbH
30.06.2016	(33) Germany	(72) Heinz, Engelbert
(22) 18.12.2015	(51) D06F 37/02	Olivieri, Andreas
(54) DRUM WASHING MACHINE	(11) EP3562982	(31) 102017001145
(73) Haier Asia Co., Ltd	(21) EP17809242.5	(32) 08.02.2017
Qingdao Haier Washing Machine Co. Ltd.	(47) 07.10.2020	(33) Germany
(72) YONEDA, Masanori	(87) EP2017080289	(51) D06F 75/00
TANAKA, Hiroyuki	05.07.2018	D06F 75/10
(31) 2014259456	(22) 24.11.2017	D06F 87/00
(32) 22.12.2014	(54) A DRUM AND ITS PRODUCTION	(11) EP3612674
(33) Japan	METHOD	(21) EP18753437.5
(51) D06F 29/00	(73) Arçelik Anonim Sirketi	(47) 07.10.2020
D06F 39/12	(72) SEVINDIK, Murat	(87) EP2018072562
D06F 58/02	(31) 201619704	28.02.2019
D06F 58/10	(32) 27.12.2016	(22) 21.08.2018
D06F 58/20	(33) Turkey	(54) GARMENT CARE DEVICE WITH LIGHT
(11) EP3342923	(51) D06F 39/12	INDICATORS
(21) EP17201892.1	(11) EP3533918	(73) Koninklijke Philips N.V.
(47) 07.10.2020	(21) EP19169467.8	(72) KAHYA, Orhan
(22) 15.11.2017	(47) 07.10.2020	LIM, Winson, Garcia
(54) DUAL TYPE DRYING MACHINE	(22) 11.02.2015	SIN, Hee, Poh
(73) LG Electronics Inc.	(54) WASHING MACHINE	CHONG, Wee, Ann
(72) BAE, Sang Hun	(73) Samsung Electronics Co., Ltd	ONG, Chee, Keong
(31) 20160183099	(72) KIM, Dong Won	(31) 17187952
20160183101	KIM, Jin Doo	(32) 25.08.2017
(32) 29.12.2016	KIM, Yeong Man	(33) European Patent Office (EPO)
29.12.2016	LEE, Seung Youp	(51) D06F 75/10
(33) Korea (Republic)	(31) 20140015607	D06F 75/14
Korea (Republic)	20140016853	(11) EP3505676
(51) D06F 29/00	20140033574	(21) EP18213231.6
D06F 43/00	20140033677	(47) 07.10.2020
D06F 34/28	20140186393	(22) 17.12.2018
D06F 39/00	(32) 11.02.2014	(54) IRONING APPLIANCE COMPRISING A
(11) EP3538704	13.02.2014	STEAM BYPASS CIRCUIT
(21) EP17791690.5	21.03.2014	(73) SEB S.A.
(47) 07.10.2020	21.03.2014	(72) COLLET, Frédéric
(87) EP2017077846	22.12.2014	(31) 1763337
17.05.2018	(33) Korea (Republic)	(32) 28.12.2017
(22) 31.10.2017	Korea (Republic)	(33) France
(54) A PARTIAL CLEANING DEVICE	Korea (Republic)	(51) D06F 75/10
SUITABLE FOR USE WITH A WASHING	Korea (Republic)	D06F 87/00
MACHINE, A LAUNDRY CLEANING	Korea (Republic)	G06F 3/0484
SYSTEM COMPRISING THE PARTIAL	(51) D06F 58/24	(11) EP3622109
CLEANING DEVICE AND A CONTROL	(11) EP3374563	(21) EP18753431.8
METHOD FOR OPERATING THE	(21) EP16788546.6	(47) 07.10.2020
LAUNDRY CLEANING SYSTEM	(47) 07.10.2020	(87) EP2018072498
(73) Arçelik Anonim Sirketi	(87) EP2016076284	28.02.2019
(72) TOKGOZ, Sedat	18.05.2017	(22) 21.08.2018
KOC, Yusuf	(22) 01.11.2016	(54) GARMENT CARE DEVICE WITH
TINAR, Egemen	(54) A WASHER/DRYER COMPRISING A	SINGLE USER ACTUATOR FOR THE
ERDOGAN, Koray	CONDENSER	SELECTION OF OPERATING MODES
BUDAK, Hanife Eda	(73) Arçelik Anonim Sirketi	(73) Koninklijke Philips N.V.
(31) 201615987	(72) AYVAZOGLU, Cumhur	(72) ONG, Chee, Keong
(32) 08.11.2016	CAGLAR, Talip	THIRUMAZHISAI, SANKARALINGAM,
(33) Turkey	OZBEK, Mehmet	Tamilselvan
(51) D06F 35/00	(31) 201514003	XU, Linfang
D06F 39/02	(32) 09.11.2015	YAP, Seek, Mooi

LIM, Winson, Garcia	08.12.2016	(54) MEASUREMENT DEVICE AND METHOD FOR DETECTING A TRACK GEOMETRY
(31) 17187958	(22) 29.05.2015	(73) Plasser & Theurer Export von Bahnbaumaschinen GmbH
(32) 25.08.2017	(54) SOFT TISSUE COMPRISING NON-WOOD FIBERS	(72) KAISER, Christoph
(33) European Patent Office (EPO)	(73) Kimberly-Clark Worldwide, Inc.	(31) 5742016
(51) D21F 1/52	(72) SHANNON, Thomas Gerard	(32) 19.12.2016
D21F 7/00	UNDERHILL, Richard Louis	(33) Austria
(11) EP3408445	LABERGE, Kevin Leon	(51) E01B 31/17
(21) EP17744752.1	REISER, John Matthew	(11) EP3517682
(47) 07.10.2020	GAFFORD, Gilbert Darrell	(21) EP18214884.1
(87) US2017014693	(51) D21H 13/26	(47) 07.10.2020
03.08.2017	(11) EP3504376	(22) 20.12.2018
(22) 24.01.2017	(21) EP17754376.6	(54) RAIL GRINDER
(54) FIBROUS WEB DEWATERING APPARATUS	(47) 07.10.2020	(73) GEISMAR ALPES
(73) Kimberly-Clark Worldwide, Inc.	(87) EP2017071154	(72) ARAVINDAKSHAN, Gérald
(72) SEYMOUR, Robert, James	01.03.2018	BEN DRISS-TORRES, Vincent
HASSMAN, Mark, John	(22) 22.08.2017	(31) 1850552
BESAW, Craig, Steven	(54) FRICTION MATERIAL COMPRISING ARAMID	(32) 24.01.2018
RAMAZANI-REND, Reza	(73) Teijin Aramid B.V.	(33) France
RUDOLPH, Jason, Michael	(72) NIJHUIS, Walter	(51) E01C 11/06
JENN, Thomas, McLachlan	DIEDERING, Frank	E01C 11/14
CHAI, Lucia, Yiyi	TIECKEN, Jan-Cees	E04B 1/48
NELSON, Samuel, August	(31) 16185521	E04B 5/32
(31) 201662288108 P	(32) 24.08.2016	E04C 5/16
(32) 28.01.2016	(33) European Patent Office (EPO)	(11) EP3536855
(33) United States of America	(51) E01B 19/00	(21) EP19159259.1
(51) D21F 3/02	E01B 21/00	(47) 07.10.2020
D21F 3/04	E01C 9/06	(22) 26.02.2019
D21F 11/00	(11) EP3408448	(54) CONCRETE SLAB LOAD TRANSFER APPARATUS AND METHOD OF MANUFACTURING SAME
(11) EP3555362	(21) EP16784128.7	(73) Illinois Tool Works, Inc.
(21) EP17821526.5	(47) 07.10.2020	(72) RODDEN, Robert Alan
(47) 07.10.2020	(87) CZ2016050030	ALI, Zafar Imtiaz
(87) EP2017082369	03.08.2017	ST. LOUIS, Matthew Douglas
28.06.2018	(22) 29.08.2016	RIFFLE, Randall Derek
(22) 12.12.2017	(54) RAILWAY OR TRAMWAY TRACK	KAO, Eddie
(54) A METHOD FOR MAKING TISSUE PAPER	(73) Eisenreich, Jan	HALL, Jimmy Lee
(73) Valmet Aktiebolag	(72) Eisenreich, Jan	(31) 201862640901 P
(72) TOLFSSON, Karl-Johan	(31) 20160034	201916279368
PAULSSON, Jan	(32) 26.01.2016	(32) 09.03.2018
EKSTRÖM, Göran	(33) Czech Republic	19.02.2019
ARONSSON, Joakim	(51) E01B 27/06	(33) United States of America
(31) 1651680	(11) EP3430204	United States of America
(32) 19.12.2016	(21) EP17712248.8	(51) E01C 11/14
(33) Sweden	(47) 07.10.2020	E04B 1/48
(51) D21F 7/08	(87) IB2017051457	(11) EP3541994
D21F 7/10	21.09.2017	(21) EP17808680.7
(11) EP3411524	(22) 14.03.2017	(47) 07.10.2020
(21) EP17747052.3	(54) MACHINE FOR RENEWING A BALLAST BED WITH TWO SCREENING MACHINES, AND METHOD FOR RENEWING A BALLAST BED	(87) US2017061526
(47) 07.10.2020	(73) Matisa Matériel Industriel SA	24.05.2018
(87) FI2017050038	(72) GANZ, Jörg	(22) 14.11.2017
10.08.2017	(31) 1652147	(54) LOAD TRANSFER PLATE POCKET AND METHOD OF EMPLOYING SAME
(22) 25.01.2017	(32) 15.03.2016	(73) Illinois Tool Works Inc.
(54) BASE FABRIC, PRESS FELT AND METHOD OF FORMING BASE FABRIC WITH SEAM	(33) France	(72) PARKES, Nigel K.
(73) Valmet Technologies Oy	(51) E01B 27/17	CONNELL, Robert U.
(72) MIKKONEN, Kati	E01B 35/00	BARNES, David Graham
NAAMANKA, Jorma	E01B 35/06	JOLLY, Nicholas Fancis
(31) 20165065	(11) EP3555365	(31) 201662422947 P
(32) 01.02.2016	(21) EP17816552.8	201715809343
(33) Finland	(47) 07.10.2020	(32) 16.11.2016
(51) D21H 11/12	(87) EP2017080757	10.11.2017
D21H 27/00	28.06.2018	(33) United States of America
(11) EP3302201	(22) 29.11.2017	United States of America
(21) EP15894405.8		(51) E01C 13/08
(47) 07.10.2020		
(87) US2015033168		

(11) EP3469142	(87) IB2017052551	Italy
(21) EP17732043.9	09.11.2017	(51) E02F 3/28
(47) 07.10.2020	(22) 03.05.2017	E02F 3/40
(87) EP2017064013	(54) MONITORING APPARATUS	E02F 3/43
14.12.2017	(73) C.S.G. S.R.L.	E02F 9/26
(22) 08.06.2017	(72) FOGLINO, Luigi	F15B 11/20
(54) ARTIFICIAL TURF	FOGLINO, Sara	G05B 13/02
(73) Beaulieu International Group NV	FOGLINO, Valentina	(11) EP3333325
(72) BEAUPREZ, Mathijs (Marc)	(31) UA20163182	(21) EP15816352.7
DEJAEGHERE, Didier (M.E.)	(32) 05.05.2016	(47) 07.10.2020
VERLEYEN, Marc	(33) Italy	(87) JP2015072499
(31) 16174026	(51) E02D 1/04	14.01.2016
(32) 10.06.2016	G01N 1/00	(22) 07.08.2015
(33) European Patent Office (EPO)	G01N 1/04	(54) WHEEL LOADER WITH AUTOMATIC
(51) E01F 8/00	G01N 1/08	CONTROL OF OPERATIONS
(11) EP3482001	G01N 1/10	(73) Komatsu Ltd.
(21) EP17739941.7	(11) EP3081917	(72) WADA Minoru
(47) 07.10.2020	(21) EP14868823.7	OHTA Toshiyuki
(87) EP2017067073	(47) 07.10.2020	HONDA Toshimitsu
18.01.2018	(87) JP2014082087	TSUTSUMI Katsuhiko
(22) 07.07.2017	18.06.2015	KOBAYASHI Takaya
(54) A SOUND ABSORBING GUARD RAIL	(22) 04.12.2014	YAMAGOE Yosuke
SYSTEM	(54) SUBSAMPLING DEVICE AND METHOD	(51) E02F 3/43
(73) Rockwool International A/S	(73) National Institute of Advanced Industrial	E02F 9/22
(72) EMBORG, Michaeel	Science and Technology	F16D 48/06
JØRGENSEN, Kristian, Skovgaard	(72) JIN Yusuke	F16H 61/68
DRÖGE, Jan, Eike	KONNO Yoshihiro	(11) EP3412936
SCHNITZLER, Hans-Jürgen	NAGAO Jiro	(21) EP17843420.5
SØRENSEN, Bruno, Kirk	(31) 2013254505	(47) 07.10.2020
ANDERSEN, Steffen	(32) 09.12.2013	(87) JP2017029103
PEDERSEN, Leon, Samsø	(33) Japan	01.03.2018
(31) 16178822	(51) E02D 1/08	(22) 10.08.2017
(32) 11.07.2016	G01L 11/02	(54) WHEEL LOADER, AND METHOD FOR
(33) European Patent Office (EPO)	(11) EP3548668	CONTROLLING WHEEL LOADER
(51) E02B 3/10	(21) EP17817285.4	(73) Komatsu Ltd.
E02B 8/02	(47) 07.10.2020	(72) ENOMOTO, Ryota
E02B 8/04	(87) NL2017050802	IKARI, Masanori
E02B 9/06	07.06.2018	YAJIMA, Kentaro
F04B 53/16	(22) 01.12.2017	NISHIMURA, Takuma
F04B 53/22	(54) EMBANKMENT MONITORING SYSTEM	(31) 2016165742
F04D 3/00	(73) Optics11 B.V.	(32) 26.08.2016
(11) EP3228753	(72) KARABACAK, Devrez Mehmet	(33) Japan
(21) EP17153645.1	MEULBLOK, Bastiaan	(51) E02F 9/26
(47) 07.10.2020	KNOPPERS, German Enrique	G02B 27/00
(22) 27.01.2017	(31) 2017916	G06F 3/01
(54) MODULAR PRE-FABRICATED WATER	(32) 02.12.2016	(11) EP3421674
CONTROL PUMP SYSTEM	(33) Netherlands	(21) EP18172652.2
(73) Wintec Holding ApS	(51) E02D 3/12	(47) 07.10.2020
(72) BACH, Jens Oliver	E02D 27/48	(22) 16.05.2018
(31) 201600206	E02D 35/00	(54) METHOD AND DEVICE FOR IMAGING
(32) 06.04.2016	(11) EP3325725	AREAS
(33) Denmark	(21) EP16738820.6	(73) Grammer AG
(51) E02B 7/22	(47) 07.10.2020	(72) Boving, Marko
E04H 9/14	(87) EP2016066898	(31) 102017114450
E06B 5/00	26.01.2017	(32) 29.06.2017
(11) EP3221533	(22) 15.07.2016	(33) Germany
(21) EP14906583.1	(54) METHOD FOR IMPROVING THE	(51) E03B 7/04
(47) 07.10.2020	MECHANICAL AND HYDRAULIC	F24D 17/00
(87) SG2014000544	CHARACTERISTICS OF FOUNDATION	(11) EP3472394
26.05.2016	GROUPS OF EXISTING BUILT	(21) EP17746155.5
(22) 18.11.2014	STRUCTURES	(47) 07.10.2020
(54) A FLOOD BARRIER	(73) THUR S.R.L.	(87) FR2017000119
(73) Parafoil Design & Engineering Pte Ltd	(72) BIRTELE, Andrea	21.12.2017
(72) QUEK, Jwee Thiam	(31) UB20152280	(22) 16.06.2017
(51) E02D 1/02	UB20160937	(54) METHOD AND DEVICE FOR SAVING
(11) EP3452663	(32) 17.07.2015	HEAT ENERGY AND WATER IN A
(21) EP17732217.9	22.02.2016	SANITARY FACILITY
(47) 07.10.2020	(33) Italy	(73) Perrin, David

(72) Perrin, David	E04B 2/76	(31) 201662375134 P
(31) 1670320	E04B 2/78	(32) 15.08.2016
1770253	F41H 5/04	(33) United States of America
(32) 17.06.2016	F41H 5/24	(51) E04F 10/06
15.03.2017	(11) EP3271522	(11) EP3235968
(33) France	(21) EP16769420.7	(21) EP16382327.1
France	(47) 07.10.2020	(47) 07.10.2020
(51) E03B 7/12	(87) US2016023167	(22) 08.07.2016
F16L 25/01	29.09.2016	(54) ASSEMBLY OF PIVOTING ARM
F16L 41/02	(22) 18.03.2016	FOR BLIND AND ASSOCIATED
F16L 51/00	(54) BALLISTIC BARRIER PARTITION	INSTALLATION METHOD
F16L 53/38	SYSTEM AND RETROFIT KIT	(73) Producciones Mitjavila, S.A.U.
(11) EP3372736	(73) Ballistic Furniture Systems, Inc.	(72) MITJAVILA, Raymond
(21) EP17210440.8	(72) SMITH, Cory	(31) 201630502 U
(47) 07.10.2020	(31) 201562135985 P	(32) 21.04.2016
(22) 22.12.2017	(32) 20.03.2015	(33) Spain
(54) CONNECTION UNIT	(33) United States of America	(51) E04F 10/06
(73) TI Automotive (Fuldabrück) GmbH	(51) E04B 2/88	E04H 15/08
(72) HÄCKEL, Andre	E04F 13/00	(11) EP3504384
WACHSMUTH, Frank	E04F 13/07	(21) EP17743342.2
(31) 202017101274 U	E04F 13/08	(47) 07.10.2020
(32) 06.03.2017	E04F 17/04	(87) EP2017068906
(33) Germany	F24F 3/044	01.03.2018
(51) E03C 1/02	F24F 5/00	(22) 26.07.2017
F16K 11/078	F24F 7/00	(54) AWNING
F16K 31/00	F24F 7/04	(73) Fiamma S.p.A.
G05D 23/13	F24F 7/08	(72) POZZI, John-David
(11) EP3449333	F24F 13/02	POZZI, Charles Philip
(21) EP17719249.9	F24F 13/10	(31) 202016104660 U
(47) 07.10.2020	F24F 11/33	(32) 25.08.2016
(87) EP2017059708	(11) EP3499139	(33) Germany
02.11.2017	(21) EP17201331.0	(51) E04F 13/08
(22) 25.04.2017	(47) 07.10.2020	(11) EP2982812
(54) MIXING UNIT AND MIXING FAUCET	(22) 12.12.2017	(21) EP15002334.9
COMPRISING THE SAME	(54) AN EXTERNAL FACADE CLADDING	(47) 07.10.2020
(73) Vernet	SYSTEM	(22) 05.08.2015
(72) FASSOLETTE, Pierre-Olivier	(73) Baser, Ercan	(54) FIXING SYSTEM FOR FIXING PLANAR
(31) 1653676	(72) Baser, Ercan	FAÇADE ELEMENTS, METHOD FOR
(32) 26.04.2016	(51) E04B 9/06	MOUNTING OF PLANAR FAÇADE
(33) France	E04B 9/26	ELEMENTS AND A FAÇADE
(51) E03C 1/04	(11) EP3137701	(73) NICE Solar Energy GmbH
(11) EP3239415	(21) EP15720183.1	(72) SCHMIDT, Christoph
(21) EP17168401.2	(47) 07.10.2020	(31) 102014011364
(47) 07.10.2020	(87) US2015027269	(32) 05.08.2014
(22) 27.04.2017	05.11.2015	(33) Germany
(54) TAP WITH CASE	(22) 23.04.2015	(51) E04F 15/02
(73) Canos Conesa, Alvaro Juan	(54) CEILING SYSTEM	E04F 15/024
(72) Canos Conesa, Alvaro Juan	(73) Armstrong World Industries, Inc.	(11) EP3550092
(31) 201600312	(72) HOLDRIDGE, Daniel M.	(21) EP19167359.9
(32) 29.04.2016	(31) 201414264868	(47) 07.10.2020
(33) Spain	(32) 29.04.2014	(22) 04.04.2019
(51) E03C 1/04	(33) United States of America	(54) HEIGHT ADJUSTABLE STILT BEARING
E03C 1/042	(51) E04B 9/08	(73) H. + B. Steiner GmbH
(11) EP3444405	E04B 9/12	Katzengruber Kunststofftechnik GmbH
(21) EP18158332.9	(11) EP3497290	(72) BACCHETTA, Remo
(47) 07.10.2020	(21) EP17758971.0	HUBER, Georg
(22) 23.02.2018	(47) 07.10.2020	KATZENGRUBER, Karl
(54) THERMOSTATIC FAUCET	(87) US2017046722	(31) 4402018
(73) Xiamen Lota International Co., Ltd.	22.02.2018	5006518 U
Lota Xiamen Industry Co., Ltd.	(22) 14.08.2017	(32) 05.04.2018
(72) He, Yongqiang	(54) HOOK CONNECTION CLIP FOR FALSE	05.04.2018
Ye, Xianqing	CEILING SYSTEM	(33) Switzerland
Zhang, Xiaoying	(73) Worthington Armstrong Venture	Austria
(31) 201721027585 U	(72) PANOSSIAN, Krikor	(51) E04G 11/28
(32) 16.08.2017	LIN, Yu	E04G 21/32
(33) China	PLACE, Sebastien	(11) EP3438377
(51) E04B 2/46	MILLER, Donald, C.	(21) EP18196158.2
	DUFOUR, David	

(47) 07.10.2020	(87) CA2016000172	E05B 63/20
(22) 27.08.2014	29.12.2016	E05C 7/06
(54) DEVICE AND METHOD FOR GUIDING A CARRIER FOR A FORMWORK OR PROTECTING ELEMENT	(22) 20.06.2016	(11) EP3543437
(73) DOKA GmbH	(54) SYSTEM AND METHOD FOR CHARGING AUTONOMOUSLY POWERED DEVICES USING VARIABLE POWER SOURCE	(21) EP18163472.6 (47) 07.10.2020 (22) 22.03.2018
(72) AMON, Peter NEUMANN, Christian	(73) Clear Blue Technologies Inc.	(54) LOCK ASSEMBLY WITH A LOCK FOR A CORRIDOR WINGED DOOR
(51) E04H 4/10	(72) TUERK, John	(73) dormakaba Deutschland GmbH
(11) EP3500710	(31) 201562185156 P	(72) SPECKAMP, Hans-Rainer
(21) EP17754115.8	(32) 26.06.2015	GOSCH, Stephan
(47) 07.10.2020	(33) United States of America	GRÖNE, Kai
(87) EP2017069730	(51) E05B 15/00	(51) E05B 47/00
22.02.2018	E05B 79/22	E05B 51/00
(22) 03.08.2017	E05B 81/16	F03G 7/06
(54) MODULAR AND MULTIPURPOSE COVERING DEVICE FOR A POOL SUCH AS A SWIMMING POOL OR THE LIKE	E05B 81/24 E05B 81/48	E05B 79/20 E05B 81/04 E05B 81/06 E05B 81/14 E05B 81/82 E05B 81/86 E05B 85/06
(73) Groupe Waterair	(11) EP3500714	(11) EP2845973
(72) STEINBAUER, Thierry MEHEUX, Luc	(21) EP17754165.3 (47) 07.10.2020	(21) EP14182200.7 (47) 07.10.2020
(31) 1657787	(87) EP2017070899	(22) 26.08.2014
(32) 17.08.2016	22.02.2018	(54) Motor vehicle lock
(33) France	(22) 18.08.2017	(73) Brose Schliesssysteme GmbH & Co. KG
(51) E04H 4/14	(54) LOGIC UNIT FOR A LOCK ARRANGEMENT	(72) Grosser, Lutz Mombberger, Christian Hille, Martin
F21V 31/00	(73) Brose Schließsysteme GbmH & Co. Kommanditgesellschaft	(31) 202013007862 U
(11) EP3179012	(72) GÜLKAN, Serkan	(32) 05.09.2013
(21) EP16202081.2	SCHMIDT, Tatjana	(33) Germany
(47) 07.10.2020	(31) 202016104529 U	(51) E05B 47/00
(22) 02.12.2016	(32) 18.08.2016	E05B 63/00
(54) FLOATING ILLUMINATION DEVICE FOR A SWIMMING POOL OR OTHER BODY OF WATER	(33) Germany	E05B 77/12 E05B 81/06 E05B 81/14 E05B 81/20 E05B 81/38
(73) Compurobot Technology Company	(51) E05B 15/00	(11) EP3284885
(72) HUI, Wing-tak	E05B 81/06	(21) EP17184433.5
HUI, Andrew Matthew	(11) EP3341543	(47) 07.10.2020
HUI, Martin Wing-kin	(21) EP16757620.6	(22) 02.08.2017
(31) 201514962672	(47) 07.10.2020	(54) MOTOR VEHICLE LOCK ASSEMBLY
(32) 08.12.2015	(87) EP2016069800	(73) Brose Schliesssysteme GmbH & Co. KG
(33) United States of America	02.03.2017	(72) Gülkan, Serkan Graute, Ludger Wirths, Rainer Joschko, Roman Reinert, Jörg
(51) E04H 4/16	(22) 22.08.2016	(31) 102016115439
(11) EP3176350	(54) MOTOR VEHICLE LOCK	(32) 19.08.2016
(21) EP16196932.4	(73) Brose Schliesssysteme GmbH & Co. KG	(33) Germany
(47) 07.10.2020	(72) KOTHE, Markus	(51) E05B 79/20
(22) 21.08.2014	(31) 202015104502 U	E05B 81/06
(54) SWIMMING POOL CLEANER	(32) 25.08.2015	E05B 81/14
(73) Hayward Industries, Inc.	(33) Germany	E05B 81/20 E05B 81/24
(72) RIEF, Dieter, J.	(51) E05B 15/04	(11) EP3508672
SCHLITZER, Hans, Rainer	E05B 77/28	(21) EP19150004.0
RIEF, Manuela	E05B 81/06	(47) 07.10.2020
RIEF, Rosemarie	E05B 81/16	(22) 02.01.2019
RENAUD, Benoit Joseph	E05B 81/36	(54) MOTOR VEHICLE LOCK
(31) 201361872389 P	E05B 85/26	(73) Brose Schliesssysteme GmbH & Co. KG
(32) 30.08.2013	(11) EP2799648	(72) Wirz, Wladimir Hörschgen, Frank
(33) United States of America	(21) EP14166605.7	
(51) E04H 12/00	(47) 07.10.2020	
F21S 8/08	(22) 30.04.2014	
F21S 9/03	(54) Motor vehicle lock	
H02J 7/00	(73) Brose Schliesssysteme GmbH & Co. KG	
H02J 7/35	(72) Häger, Ole	
H02S 10/12	Zillert, Markus	
H02S 10/20	Rosales, David	
H02S 40/38	Graute, Ludger	
H05B 47/00	Joschko, Roman	
(11) EP3314750	(31) 202013004026 U	
(21) EP16813416.1	(32) 30.04.2013	
(47) 07.10.2020	(33) Germany	
	(51) E05B 17/22	

Runge, Katharina	(31) 107123914	(33) Austria
(31) 102018100254	(32) 10.07.2018	(51) E05F 1/10
(32) 08.01.2018	(33) Taiwan, Province of China	(11) EP3321461
(33) Germany	(51) E05D 5/14	(21) EP16198743.3
(51) E05D 1/00	E05D 7/12	(47) 07.10.2020
G06F 1/16	F25D 23/02	(22) 14.11.2016
H04M 1/02	(11) EP3292360	(54) LID POSITIONING DEVICE
H05K 5/02	(21) EP15722508.7	(73) Flap Competence Center kft
(11) EP3395051	(47) 07.10.2020	(72) BENDEFY, Andras
(21) EP16900724.2	(87) EP2015059978	STANGE, Dieter
(47) 07.10.2020	10.11.2016	BUSCHERMÖHLE, Hermann
(87) US2016030102	(22) 06.05.2015	MEYER, Kai
02.11.2017	(54) REFRIGERATOR DOOR HINGE	(51) E05F 15/42
(22) 29.04.2016	MECHANISM	E05F 15/44
(54) FLEXIBLE STRUCTURES	(73) Arçelik Anonim Sirketi	(11) EP3489446
(73) Hewlett-Packard Development Company, L.P.	(72) SERT, Ahmet	(21) EP18207187.8
(72) CHEN, Wei-Chung	AKYUZ, Ercan	(47) 07.10.2020
WU, Kuan-Ting	YAVUZ, Resul	(22) 20.11.2018
CHU, Wei-Kuang	DEMIR, Ahmet Ziya	(54) DOOR ENTRAPMENT DETECTOR AND DOOR OPENING-CLOSING DEVICE
(51) E05D 3/06	OZCAN, Onur	(73) Nabtesco Corporation
G06F 1/16	(51) E05D 9/00	(72) HAYASHI, Tarou
H04M 1/02	E05D 11/02	YOSHIOKA, Takenobu
(11) EP3250980	E05D 15/30	TANABE, Kazuo
(21) EP16706038.3	E05D 15/52	LEE, Dalim
(47) 07.10.2020	(11) EP2672044	MAKIHIRA, Ikuo
(87) US2016013815	(21) EP13168711.3	(31) 2017224883
04.08.2016	(47) 07.10.2020	(32) 22.11.2017
(22) 19.01.2016	(22) 22.05.2013	(33) Japan
(54) MULTI-PIVOT HINGE	(54) MULTILAYER SCISSOR ARM	(51) E06B 1/02
(73) Microsoft Technology Licensing, LLC	(73) Roto Frank Fenster- und Türtechnologie GmbH	E06B 9/42
(72) TAZBAZ, Errol Mark	(72) Siegler, Martin	E06B 9/58
BITZ, Brian	Beyer, Holger	(11) EP3587719
CAMPBELL, John	Röder, Manfred	(21) EP19180629.8
JI, Bonggwon	(31) 102012209493	(47) 07.10.2020
LIAO, Jeff	(32) 05.06.2012	(22) 17.06.2019
ZHANG, Jingjiang	(33) Germany	(54) ASSEMBLY FOR INSTALLING AND/OR RENOVATING A WINDOW
(31) 201514606979	(51) E05D 15/06	(73) AFL Foessel
(32) 27.01.2015	E05D 15/10	(72) POISSON, Olivier
(33) United States of America	(11) EP2627846	(31) 1856047
(51) E05D 5/02	(21) EP11807742.9	(32) 29.06.2018
E05D 7/081	(47) 07.10.2020	(33) France
E05F 3/22	(87) IB2011054595	(51) E06B 3/46
(11) EP3591153	19.04.2012	(11) EP3543451
(21) EP18185455.5	(22) 17.10.2011	(21) EP19164013.5
(47) 07.10.2020	(54) MECHANISM FOR MOVING COPLANAR DOORS OF A PIECE OF FURNITURE	(47) 07.10.2020
(22) 25.07.2018	(73) CINETTO F.LLI S.R.L.	(22) 20.03.2019
(54) CLAMPING ASSEMBLY FOR GLASS DOOR	(72) CINETTO, Alessandro	(54) CENTRAL CLOSING UNIT FOR A LIFTING SLIDING DOOR WING
(73) Sun-Q Door Controls Limited	(31) PD20100308	(73) Veka AG
(72) YU, Shun-Hsien	(32) 15.10.2010	(72) Michalczyk, Marwin
(31) 107123586	(33) Italy	(31) 102018106531
(32) 06.07.2018	(51) E05D 15/40	(32) 20.03.2018
(33) Taiwan, Province of China	E05D 15/46	(33) Germany
(51) E05D 5/02	(11) EP2758619	(51) E06B 3/667
E05D 11/06	(21) EP12761874.2	F16B 7/04
E05D 11/10	(47) 07.10.2020	(11) EP3221599
E05F 3/10	(87) AT2012000221	(21) EP15812965.0
E05F 3/12	28.03.2013	(47) 07.10.2020
E05F 3/20	(22) 24.08.2012	(87) EP2015077048
(11) EP3594438	(54) SYNCHRONIZATION APPARATUS FOR MOVING FURNITURE PARTS	26.05.2016
(21) EP18186978.5	(73) Julius Blum GmbH	(22) 19.11.2015
(47) 07.10.2020	(72) STEINHAUSER, Markus	(54) PLUG CONNECTOR AND PLUG CONNECTION
(22) 02.08.2018	(31) 13562011	(73) Kronenberg, Ralf M.
(54) AUTOMATIC RETURN DEVICE FOR GLASS DOOR	(32) 20.09.2011	(72) Kronenberg, Ralf M.
(73) Sun-Q Door Controls Limited		
(72) YU, Shun-Hsien		

(31) 202014105547 U	(32) 26.08.2014	(73) Transocean Sedco Forex Ventures Limited
(32) 19.11.2014	(33) United States of America	Aspin Kemp & Associates Holding Corp.
(33) Germany	(51) E21B 17/042	(72) Bourgeau, Edward Peter Kenneth
(51) E06B 9/24	F16L 15/00	Aspin, Jason
E06B 9/52	(11) EP3572612	(31) 201261723591 P
E06B 9/58	(21) EP18305640.7	(32) 07.11.2012
(11) EP3401496	(47) 07.10.2020	(33) United States of America
(21) EP18171169.8	(22) 25.05.2018	(51) E21B 33/124
(47) 07.10.2020	(54) TUBULAR THREADED CONNECTION	E21B 34/14
(22) 08.05.2018	(73) Vallourec Oil and Gas France	E21B 43/26
(54) GUIDE RAIL FOR A SUN PROTECTION DEVICE AND CORRESPONDING SUN PROTECTION DEVICE	Nippon Steel Corporation	(11) EP3161246
(73) WAREMA Renkhoff SE	(72) BRIANE, Benoit	(21) EP15731378.4
(72) STEMMER, Steffen	FOTHERGILL, Alan	(47) 07.10.2020
SCHICK, Matthias	MARUTA, Satoshi	(87) EP2015064704
HORNAUER, Lars	OKU, Yosuke	07.01.2016
(31) 202017102736 U	(51) E21B 19/16	(22) 29.06.2015
(32) 08.05.2017	(11) EP3502409	(54) A DOWNHOLE FLOW CONTROL DEVICE
(33) Germany	(21) EP18204251.5	(73) Welltec Oilfield Solutions AG
(51) E06B 9/32	(47) 07.10.2020	(72) STÆHR, Lars
E06B 9/322	(22) 05.11.2018	(31) 14174961
E06B 9/62	(54) TONG ASSEMBLY	(32) 30.06.2014
E06B 9/68	(73) Weatherford Technology Holdings, LLC	(33) European Patent Office (EPO)
H04W 52/02	(72) THIEMANN, Bjoern	(51) E21B 37/00
(11) EP2683905	(31) 201715815590	E21B 41/00
(21) EP12709265.8	(32) 16.11.2017	E21B 43/17
(47) 07.10.2020	(33) United States of America	E21B 43/24
(87) US2012028329	(51) E21B 21/10	E21B 43/30
20.09.2012	E21B 23/04	(11) EP2925957
(22) 08.03.2012	E21B 33/14	(21) EP13792957.6
(54) BATTERY-POWERED MOTORIZED WINDOW TREATMENT HAVING A SERVICE POSITION	E21B 34/10	(47) 07.10.2020
(73) Lutron Technology Company LLC	E21B 34/14	(87) GB2013052999
(72) BLAIR, Edward, J.	(11) EP2404027	05.06.2014
CHAMBERS, Samuel, F.	(21) EP10749123.5	(22) 14.11.2013
KIRBY, David, A.	(47) 07.10.2020	(54) SUBTERRANEAN CHANNEL FOR TRANSPORTING A HYDROCARBON FOR PREVENTION OF HYDRATES AND PROVISION OF A RELIEF WELL
OGDEN, Peter, W., Jr.	(87) US2010025511	(73) McAnally, Robert
WILSON, James, J.	10.09.2010	(72) McAnally, Robert
ZERNHELT, Justin, M.	(22) 26.02.2010	(31) 201221401
(31) 201161451960 P	(54) CIRCULATION CONTROL VALVE AND ASSOCIATED METHOD	(32) 28.11.2012
201161530799 P	(73) Halliburton Energy Services Inc.	(33) United Kingdom
201161547319 P	(72) SWAN, Tom	(51) E21B 43/22
(32) 11.03.2011	(31) 398151	E21B 43/28
02.09.2011	(32) 04.03.2009	(11) EP2707571
14.10.2011	(33) United States of America	(21) EP12785594.8
(33) United States of America	(51) E21B 23/04	(47) 07.10.2020
United States of America	(11) EP2872728	(87) US2012037442
United States of America	(21) EP13753337.8	22.11.2012
(51) E21B 10/02	(47) 07.10.2020	(22) 11.05.2012
E21B 25/00	(87) GB2013051886	(54) METHOD FOR ENHANCED OIL RECOVERY, USING A FOAM STABILIZER
E21B 49/02	16.01.2014	(73) Rhodia Operations
(11) EP3186467	(22) 15.07.2013	IFP Energies nouvelles
(21) EP15836923.1	(54) DOWNHOLE TOOL AND METHOD	(72) MORVAN, Mikel
(47) 07.10.2020	(73) Hydralock Systems limited	CHABERT, Max
(87) US2015046856	(72) SIMPSON, Neil, Andrew, Abercrombie	DAHANAYAKE, Manilal, S.
03.03.2016	WARDLEY, Michael	(31) 201161518904 P
(22) 26.08.2015	(31) 201212654	(32) 13.05.2011
(54) ACTIVATION MODULES FOR OBSTRUCTING ENTRANCES TO INNER BARRELS OF CORING TOOLS AND RELATED CORING TOOLS AND METHODS	(32) 13.07.2012	(33) United States of America
(73) Baker Hughes Holdings LLC	(33) United Kingdom	(51) E21B 47/00
(72) WESEMEIER, Christoph	(51) E21B 33/035	F24T 10/15
UHLENBERG, Thomas	E21B 33/06	(11) EP3265729
(31) 201414469296	E21B 33/064	(21) EP15709875.7
	(11) EP3502410	(47) 07.10.2020
	(21) EP18203567.5	
	(47) 07.10.2020	
	(22) 07.11.2013	
	(54) SUBSEA ENERGY STORAGE FOR BLOW OUT PREVENTERS (BOP)	

(87) EP2015054549 09.09.2016	(73) Meese, Ludwig	(22) 25.02.2014
(22) 04.03.2015	(72) Meese, Ludwig	(54) SCREW PUMP WITH AT LEAST TWO PARTS
(54) METHOD FOR SENSING LOCATION-DEPENDENT STATE VARIABLES IN PIPELINES, AND GEOTHERMAL PROBE	(31) 102015114127	(73) NETZSCH Pumpen & Systeme GmbH
(73) Enoware GmbH	(32) 26.08.2015	(72) NUSS, Eduardo
(72) FRIDERICH, Jens	(33) Germany	ZINKE, Arthur
LINDER, Karl, G.	(51) F01B 1/06	LOTH, Aluisio
NEUMAIER, Tim	F04C 15/00	HEIZINGER, Klaus
ZORN, Roman	F16J 15/00	LESSMANN, Lorenz
KARELIN, Viktor	F04B 1/04	KRAHN, Sérgio
MEIER, Simeon	(11) EP3308026	KEUNECKE, Rui
TOMASETTI, Falco	(21) EP16734436.5	BENEDUZZI, Silvio
(51) E21B 49/00	(47) 07.10.2020	WEEGE, Egon
G01V 1/30	(87) FR2016051385	THEILACKER, André
(11) EP2260177	15.12.2016	GUEDES, Sidney
(21) EP09713844.0	(22) 09.06.2016	LUTKE, Petra
(47) 07.10.2020	(54) DRAINED-CHAMBER HYDRAULIC SYSTEM	KURZ, Robert
(87) US2009001379	(73) Poclair Hydraulics Industrie	STRASSL, Josef
03.09.2009	(72) VIDAL, Stéphane	KREIDL, Johann
(22) 02.03.2009	MULOT, Jérémie	KAMAL, Hisham
(54) MONITORING OF RESERVOIR FLUID MOVING ALONG FLOW PATHWAYS IN A PRODUCING OIL FIELD USING PASSIVE SEISMIC EMISSIONS	DEPIERRE, Géry	ENGL, Horst
(73) Saudi Arabian Oil Company	(31) 1555358	BALCERCZYK, George
(72) DASGUPTA, Shivaji N.	(32) 12.06.2015	GRADL, Mathias
AL-RUWAILI, Saleh	(33) France	HERR, Gunther
(31) 32794	(51) F01B 3/10	NIJMEH, André
(32) 29.02.2008	F01K 7/36	(31) 102013102031
(33) United States of America	F01K 23/06	(32) 01.03.2013
(51) E21C 27/24	F01K 23/10	(33) Germany
E21D 9/10	F01L 15/00	(51) F01D 1/08
(11) EP3495608	F02G 5/00	F02B 39/00
(21) EP18248166.3	F02G 5/02	(11) EP3508685
(47) 07.10.2020	F16K 11/065	(21) EP17891043.6
(22) 05.06.2018	(11) EP3128137	(47) 07.10.2020
(54) SYSTEM AND METHOD FOR DETERMINING EFFICIENCY OF AN INDUSTRIAL MACHINE	(21) EP16182840.5	(87) JP2017001276
(73) Joy Global Underground Mining LLC	(47) 07.10.2020	19.07.2018
(72) Stewart, Christopher	(22) 04.08.2016	(22) 16.01.2017
(31) 201762515123 P	(54) ASSEMBLY FOR CONTROLLING A FLOW OF WORKING STEAM WITH HIGH PRESSURE	(54) TURBINE WHEEL, TURBINE, AND TURBOCHARGER
(32) 05.06.2017	(73) Mahle International GmbH	(73) Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.
(33) United States of America	(72) BUCHER, Michael	(72) YOSHIDA, Toyotaka
(51) E21D 9/00	GÜNTHER, Mirko	DANMOTO, Yosuke
E21D 9/08	HÖTGER, Michael	AKIYAMA, Yoji
(11) EP3133238	(31) 102015113007	(51) F01D 5/06
(21) EP16163987.7	(32) 07.08.2015	F01D 5/08
(47) 07.10.2020	(33) Germany	(11) EP3269926
(22) 06.04.2016	(51) F01C 19/00	(21) EP17179701.2
(54) TUNNEL CONSTRUCTION SYSTEM	F04B 39/12	(47) 07.10.2020
(73) Zehmei AG	F04D 17/16	(22) 05.07.2017
(72) Zehnder, Anton	F04D 19/04	(54) DISK ASSEMBLY AND TURBINE INCLUDING THE SAME
(31) 11982015	F04D 29/08	(73) Doosan Heavy Industries & Construction Co., Ltd.
(32) 20.08.2015	F16J 15/10	(72) Kim, Kyung Kook
(33) Switzerland	(11) EP3135917	Ahn, Tae Sung
(51) E21D 11/38	(21) EP15182200.4	Lee, Mu Hyoung
E21D 21/00	(47) 07.10.2020	Kim, Ki Baek
F16B 13/00	(22) 24.08.2015	Jung, Sung Chul
F16B 13/02	(54) VACUUM PUMP	(31) 20160086135
(11) EP3135861	(73) PFEIFFER VACUUM GMBH	20160086136
(21) EP16184896.5	(72) Gilbrich, Sönke	20160086137
(47) 07.10.2020	(51) F01C 21/10	(32) 07.07.2016
(22) 19.08.2016	F04C 2/16	07.07.2016
(54) ATTACHMENT DEVICE	F04C 14/26	07.07.2016
	F04C 15/06	(33) Korea (Republic)
	(11) EP2961988	Korea (Republic)
	(21) EP14723689.7	Korea (Republic)
	(47) 07.10.2020	
	(87) DE2014000088	
	04.09.2014	(51) F01D 5/06

F01D 25/24	(54) METHOD OF BONDING A LEADING	F02C 7/18
F04D 29/52	EDGE SHEATH TO A BLADE BODY OF	F23R 3/00
F04D 29/64	A FAN BLADE	F23R 3/06
(11) EP3453846	(73) United Technologies Corporation	(11) EP2554792
(21) EP18188830.6	(72) Parkin, Michael	(21) EP11758943.2
(47) 07.10.2020	(31) 201213408290	(47) 07.10.2020
(22) 14.08.2018	(32) 29.02.2012	(87) JP2011001207
(54) VENTILATED BUSH	(33) United States of America	29.09.2011
(73) Rolls-Royce plc	(51) F01D 5/14	(22) 02.03.2011
(72) Hawkyard, Miles	F01D 9/02	(54) DOUBLE-JET FILM COOLING
Jones, Oliver	F01D 17/10	STRUCTURE
Walker, Adrian	F01D 17/14	(73) Kawasaki Jukogyo Kabushiki Kaisha
(31) 201714373	F01D 17/18	B&B Agema GmbH
(32) 07.09.2017	F02B 37/02	(72) TANAKA, Ryozo
(33) United Kingdom	F02B 37/22	KAZARI, Masahide
(51) F01D 5/08	(11) EP3163030	SUGIMOTO, Takao
F01D 5/18	(21) EP14900951.6	KUSTERER, Karsten
F01D 9/06	(47) 07.10.2020	BOHN, Dieter
F01D 25/24	(87) JP2014072460	ELYAS, Anas
F02C 6/08	03.03.2016	(31) 2010067329
F02K 3/02	(22) 27.08.2014	(32) 24.03.2010
(11) EP3228817	(54) ON-OFF VALVE DEVICE AND ROTARY	(33) Japan
(21) EP17164281.2	MACHINE	(51) F01D 5/22
(47) 07.10.2020	(73) Mitsubishi Heavy Industries Engine &	F01D 9/04
(22) 31.03.2017	Turbocharger, Ltd.	F01D 11/08
(54) AIR BYPASS SYSTEM FOR ROTOR	(72) HIGASHIMORI Hirotaka	F01D 11/24
SHAFT COOLING	(51) F01D 5/16	F01D 25/12
(73) General Electric Company	F01D 5/26	F01D 25/24
(72) VANTASSEL, Brad Wilson	F01D 5/28	(11) EP3415720
PIROLLA, Peter Paul	F02C 7/00	(21) EP18166426.9
(31) 201615092008	(11) EP2971536	(47) 07.10.2020
(32) 06.04.2016	(21) EP13878288.3	(22) 09.04.2018
(33) United States of America	(47) 07.10.2020	(54) TURBINE TIP SHROUD ASSEMBLY
(51) F01D 5/08	(87) US2013075359	WITH PLURAL SHROUD SEGMENTS
F01D 11/00	18.09.2014	HAVING INTERNAL COOLING
F01D 11/04	(22) 16.12.2013	PASSAGES
(11) EP2895693	(54) FAN GUIDE VANE WITH VIBRATION	(73) Honeywell International Inc.
(21) EP13829084.6	DAMPING	(72) SMOKE, Jason
(47) 07.10.2020	(73) United Technologies Corporation	KIME, Kent L
(87) US2013053142	(72) AMINI, Shahram	PETERSEN, Blake
01.05.2014	STROCK, Christopher, W.	ZURMEHLY, Luke
(22) 01.08.2013	BURLATSKY, Sergei, F.	(31) 201762521000 P
(54) SEAL BETWEEN BLADE AND VANE	NOVIKOV, Dsmiiri	201815899780
(73) General Electric Company	(31) 201361790006 P	(32) 16.06.2017
(72) PORTER, Christopher, Donald	201361881689 P	20.02.2018
ITZEL, Gary, Michael	(32) 15.03.2013	(33) United States of America
(31) 201213566189	24.09.2013	United States of America
(32) 03.08.2012	(33) United States of America	(51) F01D 5/22
(33) United States of America	United States of America	F01D 11/08
(51) F01D 5/14	(51) F01D 5/18	(11) EP2650476
(11) EP3158167	F01D 9/02	(21) EP13163003.0
(21) EP14736259.4	F01D 9/06	(47) 07.10.2020
(47) 07.10.2020	F23R 3/00	(22) 09.04.2013
(87) US2014042911	F23R 3/06	(54) Turbomachine blade tip shroud with
23.12.2015	(11) EP2907974	parallel casing configuration
(22) 18.06.2014	(21) EP15154731.2	(73) General Electric Company
(54) END WALL CONFIGURATION FOR	(47) 07.10.2020	(72) Chouhan, Rohit
GAS TURBINE ENGINE	(22) 11.02.2015	Pierre, Sylvain
(73) Siemens Energy, Inc.	(54) COMPONENT AND CORRESPONDING	Siden, Gunnar Leaf
(72) LOHAUS, Andrew S.	GAS TURBINE ENGINE	Vijayan, Santhosh Kumar
(51) F01D 5/14	(73) United Technologies Corporation	Cotroneo, Joseph Anthony
F01D 5/28	(72) Spangler, Brandon W.	(31) 201213447134
F04D 29/38	Kohli, Atul	(32) 13.04.2012
(11) EP2634368	(31) 201461938867 P	(33) United States of America
(21) EP13156789.3	(32) 12.02.2014	(51) F01D 5/28
(47) 07.10.2020	(33) United States of America	(11) EP2540975
(22) 26.02.2013	(51) F01D 5/18	(21) EP12173612.8
	F01D 9/02	(47) 07.10.2020

- (22) 26.06.2012
(54) Method of forming a hybrid part made from monolithic ceramic skin and CMC core
(73) United Technologies Corporation
(72) McCaffrey, Michael G.
Holowczak, John E.
(31) 201113173269
(32) 30.06.2011
(33) United States of America
-
- (51) F01D 5/30
F01D 11/00
(11) EP3561234
(21) EP18169222.9
(47) 07.10.2020
(22) 25.04.2018
(54) ROTOR WITH SEALING ASSAMBLY
(73) Siemens Aktiengesellschaft
(72) Kampka, Kevin
Schröder, Peter
Verheyen, Joana
-
- (51) F01D 9/04
F01D 17/00
(11) EP3369894
(21) EP18158388.1
(47) 07.10.2020
(22) 23.02.2018
(54) TURBINE NOZZLE AND RADIAL TURBINE INCLUDING THE SAME
(73) Panasonic Corporation
(72) TAGUCHI, Hidetoshi
KIDO, Osao
NISHIWAKI, Fumitoshi
NISHIYAMA, Yoshitsugu
(31) 2017038474
2017038477
(32) 01.03.2017
01.03.2017
(33) Japan
Japan
-
- (51) F01D 9/04
F02C 7/04
F02K 3/04
(11) EP2971613
(21) EP14797272.3
(47) 07.10.2020
(87) US2014017068
20.11.2014
(22) 19.02.2014
(54) NOSECONE SUPPORT
(73) United Technologies Corporation
(72) MALINIAK, David
(31) 201361778783 P
201361882751 P
(32) 13.03.2013
26.09.2013
(33) United States of America
United States of America
-
- (51) F01D 11/00
F01D 11/12
(11) EP2606204
(21) EP11818778.0
(47) 07.10.2020
(87) US2011048255
23.02.2012
(22) 18.08.2011
(54) INTER STAGE SEAL HOUSING HAVING A REPLACEABLE WEAR STRIP
- (73) Mitsubishi Hitachi Power Systems Americas, Inc.
(72) SCIMECA, Santo, F.
GARNER, Chad
(31) 860359
(32) 20.08.2010
(33) United States of America
-
- (51) F01D 11/04
F16J 15/42
(11) EP3418501
(21) EP18168259.2
(47) 07.10.2020
(22) 19.04.2018
(54) SEAL AND CORRESPONDING SYSTEM FOR REDUCING LEAKAGE ABOUT A ROTATING SHAFT
(73) United Technologies Corporation
(72) SZYMANSKI, Grace E.
LUONG, Justin
(31) 201715631714
(32) 23.06.2017
(33) United States of America
-
- (51) F01D 11/08
F01D 11/20
F01D 11/22
F02C 7/28
F04D 29/08
(11) EP2971592
(21) EP14797409.1
(47) 07.10.2020
(87) US2014016768
20.11.2014
(22) 18.02.2014
(54) ACTUATOR FOR GAS TURBINE ENGINE BLADE OUTER AIR SEAL
(73) United Technologies Corporation
(72) DUGUAY, Brian
(31) 201361775844 P
(32) 11.03.2013
(33) United States of America
-
- (51) F01D 11/12
F02B 39/00
F16J 15/328
(11) EP3276142
(21) EP15886300.1
(47) 07.10.2020
(87) JP2015058854
29.09.2016
(22) 24.03.2015
(54) IMPELLER COVER, ROTARY MACHINE, AND IMPELLER COVER MANUFACTURING METHOD
(73) Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.
(72) OKABE, Ryoji
WATANABE, Yasunori
TOMITA, Isao
ARAI, Takashi
ARIMIZU, Hiroyuki
-
- (51) F01D 11/24
F01D 25/24
(11) EP2683917
(21) EP12712326.3
(47) 07.10.2020
(87) FR2012050455
13.09.2012
(22) 06.03.2012
- (54) TURBINE CASING COMPRISING A MEANS FOR ATTACHING RING SECTORS
(73) Safran Aircraft Engines
(72) BONNEAU, Damien
CORDIER, Jean-Christophe, Marc
GARIN, Fabrice, Marcel, Noël
(31) 1151802
(32) 07.03.2011
(33) France
-
- (51) F01D 15/04
F01D 25/28
F02C 3/04
F02C 7/143
(11) EP3080405
(21) EP14808993.1
(47) 07.10.2020
(87) EP2014076761
18.06.2015
(22) 05.12.2014
(54) GAS TURBINE OFFSHORE INSTALLATIONS
(73) Nuovo Pignone S.r.l.
(72) MARCUCCI, Daniele
CARMIGNANI, Massimo
CAPANNI, Francesco
KAY, Ian Paul
BIANCHI, Paolo
(31) FI20130297
(32) 09.12.2013
(33) Italy
-
- (51) F01D 17/08
F01D 21/00
F02C 7/04
G01M 15/14
(11) EP3473817
(21) EP18201627.9
(47) 07.10.2020
(22) 19.10.2018
(54) INLET PERFORMANCE MEASUREMENT SYSTEM FOR GAS TURBINE ENGINE
(73) United Technologies Corporation
(72) RICE, William W.
COVINO, Alfred F.
HENDRICKS, Richard C.
THOMESSEN, Douglas H.
HACKETT, Bryan J.
(31) 201715789153
(32) 20.10.2017
(33) United States of America
-
- (51) F01D 17/16
F04D 29/54
F04D 29/56
(11) EP2659112
(21) EP11853198.7
(47) 07.10.2020
(87) US2011067393
05.07.2012
(22) 27.12.2011
(54) GAS TURBINE ENGINE AND VARIABLE CAMBER VANE SYSTEM
(73) Rolls-Royce North American Technologies, Inc.
(72) RESS, Robert, A., Jr.
MORTON, James
MOLNAR, Dan
(31) 978843

(32) 27.12.2010	(51) F01D 25/34	OIL REFINING AND AROMATICS
(33) United States of America	F01D 25/36	FACILITIES
(51) F01D 25/00	F02C 7/268	(73) Saudi Arabian Oil Company
(11) EP3567223	(11) EP3406864	(72) NOURELDIN, Mahmoud Bahy Mahmoud
(21) EP18171247.2	(21) EP18174113.3	AL SAED, Hani Mohammed
(47) 07.10.2020	(47) 07.10.2020	BUNAIYAN, Ahmad Saleh
(22) 08.05.2018	(22) 24.05.2018	(31) 201562209217 P
(54) SENSOR-BASED CALCULATION	(54) BOWED ROTOR MOTORING	201562209147 P
OF SERVICE INTERVALS FOR GAS	CONTROL	201562209188 P
TURBINES	(73) Hamilton Sundstrand Corporation	201562209223 P
(73) Siemens Aktiengesellschaft	(72) GRIGOROV, Boris N.	201615087503
(72) Meunier, Regine	VEILLEUX Jr., Leo J.	(32) 24.08.2015
Naderi, Davood	(31) 201715606288	24.08.2015
Aerlebaeck, Erik	(32) 26.05.2017	24.08.2015
Ayotte, John	(33) United States of America	24.08.2015
(51) F01D 25/08	(51) F01D 25/34	31.03.2016
F02C 7/24	F01D 25/36	(33) United States of America
(11) EP3008312	F15B 15/06	United States of America
(21) EP14811460.6	F16H 31/00	United States of America
(47) 07.10.2020	(11) EP2610443	United States of America
(87) US2014042121	(21) EP12197678.1	United States of America
18.12.2014	(47) 07.10.2020	(51) F01K 27/00
(22) 12.06.2014	(22) 18.12.2012	(11) EP3543487
(54) HEAT SHIELD ASSEMBLY WITH	(54) Actuating Device for the Rotation of a	(21) EP19174685.8
DOUBLE LAP JOINT FOR A GAS	Turbine Shaft Train	(47) 07.10.2020
TURBINE ENGINE	(73) General Electric Technology GmbH	(22) 23.08.2016
(73) United Technologies Corporation	(72) Bastier, Arnaud	(54) POWER GENERATION FROM WASTE
(72) LESLIE, Nicholas R.	(31) 1162552	HEAT IN INTEGRATED CRUDE OIL
TATMAN, Neil L.	(32) 29.12.2011	DIESEL HYDROTREATING AND
(31) 201361835201 P	(33) France	AROMATICS FACILITIES
(32) 14.06.2013	(51) F01K 25/08	(73) Saudi Arabian Oil Company
(33) United States of America	(11) EP3543486	(72) NOURELDIN, Mahmoud Bahy Mahmoud
(51) F01D 25/16	(21) EP19174734.4	AL SAED, Hani Mohammed
F16C 19/06	(47) 07.10.2020	BUNAIYAN, Ahmad Saleh
F16C 27/04	(22) 23.08.2016	(31) 201562209217 P
(11) EP3252280	(54) POWER GENERATION FROM WASTE	201562209147 P
(21) EP17174211.7	HEAT IN INTEGRATED CRUDE OIL	201562209188 P
(47) 07.10.2020	HYDROCRACKING AND AROMATICS	201562209223 P
(22) 02.06.2017	FACILITIES	201615087606
(54) CIRCUMFERENTIAL PLENUM FOR OIL	(73) Saudi Arabian Oil Company	(32) 24.08.2015
DAMPER	(72) NOURELDIN, Mahmoud Bahy Mahmoud	24.08.2015
(73) United Technologies Corporation	AL SAED, Hani Mohammed	24.08.2015
(72) GYSLING, Daniel L.	BUNAIYAN, Ahmad Saleh	24.08.2015
SAVELA, Gregory M.	(31) 201562209217 P	31.03.2016
FEIEREISEN, John M.	201562209147 P	(33) United States of America
MORRIS, Robert J.	201562209188 P	United States of America
(31) 201615173065	201562209223 P	United States of America
(32) 03.06.2016	201615087412	United States of America
(33) United States of America	(32) 24.08.2015	United States of America
(51) F01D 25/26	24.08.2015	(51) F01L 1/356
F02C 7/18	24.08.2015	F01L 13/00
F23R 3/00	24.08.2015	F02D 13/02
F23R 3/28	31.03.2016	F02D 41/00
F23R 3/46	(33) United States of America	F02D 41/12
(11) EP3412972	United States of America	F02D 41/22
(21) EP17175152.2	United States of America	(11) EP3333382
(47) 07.10.2020	United States of America	(21) EP17206368.7
(22) 09.06.2017	United States of America	(47) 07.10.2020
(54) GAS TURBINE COMPRISING A	(51) F01K 25/08	(22) 11.12.2017
PLURALITY OF CAN-COMBUSTORS	(11) EP3553287	(54) METHOD AND APPARATUS FOR
(73) Ansaldo Energia Switzerland AG	(21) EP19178021.2	DIAGNOSING ENGINE SYSTEM
(72) ANGUISOLA MCFEAT, Jose	(47) 07.10.2020	(73) Hyundai Motor Company
TAHENY, Oliver	(22) 23.08.2016	Kia Motors Corporation
HUBER, Tobias Christoph	(54) POWER GENERATION USING	(72) Kim, Seungbum
BHATNAGAR, Nishant	INDEPENDENT TRIPLE ORGANIC	(31) 20160167760
CORRADI, Mauro	RANKINE CYCLES FROM WASTE	(32) 09.12.2016
UGEL, Diego	HEAT IN INTEGRATED CRUDE	(33) Korea (Republic)
		(51) F01L 13/00

(11) EP3221567	F16H 57/04	(72) Silvis, William Martin
(21) EP15795113.8	(11) EP2878789	Wanker, Roland
(47) 07.10.2020	(21) EP14190716.2	
(87) EP2015002247	(47) 07.10.2020	(51) F01N 3/035
26.05.2016	(22) 28.10.2014	F01N 3/08
(22) 10.11.2015	(54) POWER TRANSMITTING DEVICE	F01N 3/10
(54) VALVE TRAIN FOR AN INTERNAL	(73) KAWASAKI JUKOGYO KABUSHIKI	F01N 3/20
COMBUSTION ENGINE AND	KAISHA	F01N 3/28
CORRESPONDING INTERNAL	(72) Senda, Atsushi	F01N 13/00
COMBUSTION ENGINE	Tanaka, Yoshinobu	(11) EP3555437
(73) Audi AG	Matsuda, Yoshiharu	(21) EP17835527.7
(72) ORTMANN, Matthias	(31) 2013234820	(47) 07.10.2020
(31) 102014017036	(32) 13.11.2013	(87) US2017067181
(32) 18.11.2014	(33) Japan	28.06.2018
(33) Germany	(51) F01M 9/10	(22) 19.12.2017
(51) F01L 13/00	F02B 1/04	(54) INCREASED NOX CONVERSION BY
F02D 13/00	F02M 59/10	OZONE INTRODUCTION
F02D 13/02	F02M 59/44	(73) Johnson Matthey Public Limited
F02D 41/00	F02M 63/00	Company
F02D 41/14	F04B 9/04	(72) CONWAY, Raymond
F02D 41/24	F04B 53/14	AYDIN, Ceren
F02D 41/28	F04B 53/18	CHATTERJEE, Sougato
(11) EP3523529	F04B 1/04	NASERI, Mojghan
(21) EP17751739.8	F04B 1/0426	(31) 201662435931 P
(47) 07.10.2020	F04B 1/0439	(32) 19.12.2016
(87) EP2017070339	(11) EP3436684	(33) United States of America
19.04.2018	(21) EP17713958.1	(51) F01N 3/10
(22) 10.08.2017	(47) 07.10.2020	F01N 3/20
(54) METHOD FOR THE COMBINED	(87) EP2017057326	F01N 3/28
IDENTIFICATION OF THE PHASE	05.10.2017	F01N 5/02
DIFFERENCES OF THE INLET	(22) 28.03.2017	F28D 1/00
VALVE STROKE AND THE OUTLET	(54) TAPPET, HIGH PRESSURE PUMP	(11) EP3500737
VALVE STROKE OF AN INTERNAL	COMPRISING AT LEAST ONE TAPPET,	(21) EP17752127.5
COMBUSTION ENGINE WITH THE	ENGINE COMPRISING AT LEAST ONE	(47) 07.10.2020
AID OF LINES OF EQUAL PHASE	TAPPET, ENGINE COMPRISING A	(87) EP2017070655
POSITION AND AMPLITUDE	HIGH PRESSURE PUMP HAVING AT	22.02.2018
(73) Vitesco Technologies GmbH	LEAST ONE TAPPET AND METHOD OF	(22) 15.08.2017
(72) BRAUN, Tobias	LUBRICATING A SURFACE OF A CAM	(54) COMPONENT OF AN EXHAUST
(31) 102016219584	(73) Delphi Technologies IP Limited	SYSTEM AND METHOD OF EXHAUST
(32) 10.10.2016	(72) LANE, David, J	GAS AFTERTREATMENT
(33) Germany	BARKER, Barrie, Gilbert	(73) Vitesco Technologies GmbH
(51) F01L 13/00	PAPAHARIDEMOU, Phil	(72) HIRTH, Peter
F02D 13/02	(31) 201605538	PABST, Christoph
F02D 41/00	(32) 01.04.2016	SCHORN, Christian
F02D 41/14	(33) United Kingdom	ZIENICKE, Eggert
F02D 41/24	(51) F01N 1/06	(31) 102016215290
F02D 41/28	H04R 1/28	(32) 16.08.2016
(11) EP3523528	(11) EP3481081	(33) Germany
(21) EP17751736.4	(21) EP18203237.5	(51) F01N 3/20
(47) 07.10.2020	(47) 07.10.2020	(11) EP3339589
(87) EP2017070315	(22) 30.10.2018	(21) EP16205948.9
19.04.2018	(54) EXHAUST FINISHER WITH SOUND	(47) 07.10.2020
(22) 10.08.2017	WAVE SOURCE	(22) 21.12.2016
(54) METHOD FOR THE COMBINED	(73) Cisma Solutions ApS	(54) METHOD AND APPARATUS FOR A
IDENTIFICATION OF AN INLET VALVE	(72) Lorenz, Frank	SCR
STROKE PHASE DIFFERENCE AND	(31) 102017219573	(73) Perkins Engines Company Limited
AN OUTLET VALVE STROKE PHASE	(32) 03.11.2017	(72) EDEN, Alexis
DIFFERENCE OF AN INTERNAL	(33) Germany	REID, Ben
COMBUSTION ENGINE WITH THE AID	(51) F01N 3/00	HARGRAVE, Graham
OF LINES OF THE SAME AMPLITUDE	F01N 11/00	SHEAD, Leo
(73) Vitesco Technologies GmbH	G01N 1/22	SILVER, Ronald
(72) BRAUN, Tobias	(11) EP3517746	GAYNOR, Paul
(31) 102016219582	(21) EP19162301.6	LOCKYER, Thomas
(32) 10.10.2016	(47) 07.10.2020	(51) F01N 3/20
(33) Germany	(22) 06.08.2010	F01N 9/00
(51) F01M 1/02	(54) PARTICULATE MEASUREMENT	(11) EP3511540
F02B 61/02	SYSTEM	(21) EP18211494.2
F16H 63/18	(73) AVL Test Systems, Inc.	(47) 07.10.2020
		(22) 11.12.2018

(54) METHOD FOR CONTROLLING A SELECTIVE CATALYTIC REDUCTION SYSTEM	(72) LEFEBVRE, Alain (31) 1661932 (32) 05.12.2016 (33) France	OR MARINE-BASED MULTI-SPOOL GAS TURBINE
(73) PSA Automobiles SA	(31) 1661932	(73) Aurelia Turbines Oy
(72) SUY, DARA	(32) 05.12.2016	(72) MALKAMÄKI, Matti
GENIES, JEAN FLORENT	(33) France	JAATINEN-VÄRRÄ, Ahti
BERNARD, YOAN	(51) F02B 37/18	BACKMAN, Jari
(31) 1850242	F02D 41/00	HONKATUKIA, Juha
(32) 12.01.2018	(11) EP3449109	(31) 201514790
(33) France	(21) EP17711942.7	(32) 20.08.2015
(51) F02B 1/12	(47) 07.10.2020	(33) United Kingdom
F02B 23/10	(87) US2017020863	
F02D 21/08	02.11.2017	(51) F02C 3/30
F02D 41/04	(22) 06.03.2017	F02C 6/18
F02D 41/38	(54) PHYSICS-BASED VEHICLE	F02C 9/40
F02D 41/40	TURBOCHARGER CONTROL	(11) EP3336330
(11) EP3421763	TECHNIQUES	(21) EP17204096.6
(21) EP17873039.6	(73) FCA US LLC	(47) 07.10.2020
(47) 07.10.2020	(72) LI, Yang	(22) 28.11.2017
(87) JP2017040555	YU, Songping	(54) METHODS FOR STARTUP AND
31.05.2018	(31) 201615142578	OPERATION OF GAS TURBINE
(22) 10.11.2017	(32) 29.04.2016	COMBINED CYCLE POWER PLANTS
(54) CONTROL APPARATUS FOR	(33) United States of America	USING NMHC FUELS
COMPRESSION AUTO-IGNITION	(51) F02B 67/06	(73) General Electric Company
ENGINE	(11) EP3114337	(72) Vandervort, Christian Lee
(73) Mazda Motor Corporation	(21) EP15707039.2	Lawson, William J.
(72) INOUE, Atsushi	(47) 07.10.2020	Goldmeer, Jeffrey Scott
SUEOKA, Masanari	(87) DE2015200062	(31) 201662433374 P
MATSUMOTO, Kota	11.09.2015	201715728883
URUSHIHARA, Tomonori	(22) 04.02.2015	(32) 13.12.2016
(31) 2016226926	(54) BELT TENSIONER	10.10.2017
(32) 22.11.2016	(73) Schaeffler Technologies AG & Co. KG	(33) United States of America
(33) Japan	(72) HARTMANN, Bernd	United States of America
(51) F02B 37/18	MARICIC, Zoran	
(11) EP2614234	WEIDNER, Alexander	(51) F02C 3/36
(21) EP11749177.9	(31) 102014203952	F02C 6/00
(47) 07.10.2020	(32) 05.03.2014	F02C 6/18
(87) EP2011064814	(33) Germany	F02C 7/18
15.03.2012	(51) F02B 75/18	F02C 9/16
(22) 29.08.2011	F02D 17/02	(11) EP3402974
(54) TOLERANCE-CORRECTED	F02D 19/08	(21) EP17707288.1
ACTUATOR AND ASSOCIATED	F02D 41/00	(47) 07.10.2020
PRODUCTION METHOD	F02D 41/30	(87) EP2017054332
(73) BMTS Technology GmbH & Co. KG	F02D 41/40	28.09.2017
(72) NAUNHEIM, Dirk	(11) EP2932074	(22) 24.02.2017
SCHÄFLEIN, Jochen	(21) EP13862956.3	(54) MICRO-GAS TURBINE PLANT AND
(31) 102010040583	(47) 07.10.2020	METHOD FOR OPERATING A MICRO-
(32) 10.09.2010	(87) CA2013050958	GAS TURBINE PLANT
(33) Germany	19.06.2014	(73) Deutsches Zentrum für Luft- und
(51) F02B 37/18	(22) 12.12.2013	Raumfahrt e.V.
F02B 37/24	(54) SKIP-FIRE FUEL INJECTION SYSTEM	(72) HASEMANN, Stefan
F02B 39/00	AND METHOD	(31) 102016105489
F02D 23/02	(73) Westport Power Inc.	(32) 23.03.2016
F02D 33/02	(72) TOUCHETTE, Alain M. J.	(33) Germany
F02D 41/04	THOMPSON, Jeffrey J.	(51) F02C 7/06
F02D 41/10	(31) 2798599	(11) EP3382180
F02D 41/24	(32) 14.12.2012	(21) EP18163248.0
(11) EP3548728	(33) Canada	(47) 07.10.2020
(21) EP17816988.4	(51) F02C 1/06	(22) 22.03.2018
(47) 07.10.2020	F02C 6/00	(54) JET ENGINE WITH A CHAMBER
(87) FR2017053387	F02C 9/42	(73) Rolls-Royce Deutschland Ltd & Co KG
14.06.2018	(11) EP3337967	(72) Schwengler, Jonas
(22) 05.12.2017	(21) EP16758228.7	Klaus, Christoph
(54) METHOD OF CONTROLLING	(47) 07.10.2020	(31) 102017106664
A SUPERCHARGING	(87) FI2016050571	(32) 28.03.2017
TURBOCOMPRESSOR FOR AN	23.02.2017	(33) Germany
INTERNAL COMBUSTION ENGINE	(22) 19.08.2016	(51) F02C 7/232
(73) Renault S.A.S.	(54) SYSTEM, METHOD AND COMPUTER	F23R 3/16
	PROGRAM FOR OPERATING A LAND-	F23R 3/28
		(11) EP3184782
		(21) EP15834138.8

(47) 07.10.2020	(22) 24.07.2013	(54) PLUG-IN COUPLING SEAL FOR A
(87) JP2015073024	(54) HIGH-PRESSURE PUMP FOR	FLUID LINE OF A DRIVE MOTOR
25.02.2016	INTERNAL COMBUSTION ENGINES	(73) Henn GmbH & Co KG.
(22) 17.08.2015	(73) Robert Bosch GmbH	(72) BALDREICH, Wolfgang
(54) FUEL INJECTION DEVICE	(72) BOECKING, Friedrich	(31) 509532016
(73) Kawasaki Jukogyo Kabushiki Kaisha	(31) 102012213546	(32) 20.10.2016
Japan Aerospace Exploration Agency	(32) 01.08.2012	(33) Austria
(72) KOBAYASHI, Masayoshi	(33) Germany	(51) F02M 37/00
MATSUYAMA, Ryusuke	(51) F02D 41/24	F02M 59/46
YAMAGUCHI, Kenta	F02D 41/34	F16K 17/08
FUJIWARA, Hitoshi	(11) EP3394414	F16K 31/34
(31) 2014166126	(21) EP16801236.7	G05D 16/10
(32) 18.08.2014	(47) 07.10.2020	(11) EP3337969
(33) Japan	(87) EP2016078738	(21) EP16757597.6
(51) F02C 7/36	29.06.2017	(47) 07.10.2020
F02K 3/06	(22) 24.11.2016	(87) EP2016069447
(11) EP3396144	(54) METHOD FOR DETERMINING THE	23.02.2017
(21) EP17188584.1	INJECTION START TIME AND THE	(22) 16.08.2016
(47) 07.10.2020	INJECTION AMOUNT OF THE FUEL	(54) REGULATOR
(22) 30.08.2017	DURING NORMAL OPERATION OF AN	(73) Delphi Technologies IP Limited
(54) GAS TURBINE ENGINE WITH A	INTERNAL COMBUSTION ENGINE	(72) GUERRATO, Diego
GEARED TURBOFAN ARRANGEMENT	(73) Vitesco Technologies GmbH	RAJARAM, Kartik
(73) Rolls-Royce Deutschland Ltd & Co KG	(72) BRAUN, Tobias	(31) 201514625
(72) BONIFACE, Dominic	KAINZ, Josef	(32) 18.08.2015
(31) 17168689	(31) 102015226461	(33) United Kingdom
(32) 28.04.2017	(32) 22.12.2015	(51) F03B 13/10
(33) European Patent Office (EPO)	(33) Germany	F03B 13/18
(51) F02D 37/02	(51) F02F 3/24	F04D 13/08
F02D 41/00	(11) EP3284938	F04D 29/02
F02D 41/12	(21) EP16001824.8	H02K 1/18
F02P 5/15	(47) 07.10.2020	H02K 5/128
(11) EP3282114	(22) 19.08.2016	H02K 5/132
(21) EP17185364.1	(54) PISTON FOR A TWO-STROKE ENGINE	H02K 7/10
(47) 07.10.2020	WORKING WITH DIRECT INJECTION	H02K 7/18
(22) 08.08.2017	AND TWO-STROKE ENGINE	H02K 9/00
(54) ENGINE CONTROLLER AND ENGINE	(73) Andreas Stihl AG & Co. KG	H02K 21/00
CONTROL METHOD	(72) Loew, Birger	H02K 11/00
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	Lank, Jonas	H02K 11/30
(72) KURODA, Ryusuke	(51) F02K 1/09	(11) EP3355449
IDOGAWA, Masanao	F02K 1/72	(21) EP18163028.6
(31) 2016158122	F02K 1/76	(47) 07.10.2020
(32) 10.08.2016	F02K 1/80	(22) 05.07.2011
(33) Japan	(11) EP3129632	(54) ELECTRICAL MACHINE FOR
(51) F02D 41/02	(21) EP15717033.3	SUBMERGED APPLICATIONS
F02D 41/24	(47) 07.10.2020	(73) Kongsberg Maritime CM AS
(11) EP3462010	(87) FR2015050777	(72) STORNES, Stig Ove
(21) EP18190994.6	15.10.2015	MATVEEV, Alexey
(47) 07.10.2020	(22) 26.03.2015	HÖYLAND, Jörg
(22) 27.08.2018	(54) THRUST REVERSER OF A TURBOFAN	ÖVREBÖ, Sigurd
(54) METHOD OF IMPLEMENTATION OF	POD COMPRISING A SINGLE	(31) 20100993
FUEL INJECTOR CALIBRATION IN AN	CONTROL FOR THE MOVABLE	(32) 09.07.2010
INTERNAL COMBUSTION ENGINE	COWLINGS AND A VARIABLE NOZZLE	(33) Norway
(73) PSA Automobiles SA	(73) Safran Nacelles	(51) F03B 13/18
(72) MARTINEZ, Jose Luis	(72) BOILEAU, Patrick	F03B 13/20
CHEMISKY, Jean Pierre	KERBLER, Olivier	(11) EP3538756
MATE RODRIGUEZ, Maria Jose	(31) 1453266	(21) EP17866383.7
TRUTET, Arnaud	(32) 11.04.2014	(47) 07.10.2020
(31) 1759045	(33) France	(87) GB2017053411
(32) 29.09.2017	(51) F02M 35/10	17.05.2018
(33) France	F16J 15/02	(22) 13.11.2017
(51) F02D 41/20	F16L 37/088	(54) SUBMERGED HEAVING WAVE
F02D 41/24	F16J 15/3204	ENERGY CONVERTER
F02M 59/36	(11) EP3529527	(73) Aqua Power Technologies Limited
(11) EP2880297	(21) EP17811825.3	(72) ETHERINGTON, Samuel Devon
(21) EP13740010.7	(47) 07.10.2020	(31) 201619186
(47) 07.10.2020	(87) AT2017060269	(32) 12.11.2016
(87) EP2013065587	26.04.2018	(33) United Kingdom
06.02.2014	(22) 18.10.2017	(51) F03D 1/06

(11) EP3540212	(47) 07.10.2020	(11) EP3372934
(21) EP18162377.8	(87) DK2012050289	(21) EP16861368.5
(47) 07.10.2020	21.02.2013	(47) 07.10.2020
(22) 16.03.2018	(22) 08.08.2012	(87) CN2016095269
(54) ATTACHMENT FOR A WIND ENERGY ASSEMBLY ROTOR BLADE	(54) ACOUSTIC NOISE MONITORING SYSTEM FOR A WIND TURBINE	11.05.2017
(73) Nordex Energy GmbH	(73) Vestas Wind Systems A/S	(22) 15.08.2016
(72) Haspel, Benedikt	(72) ORMEL, Frank	(54) REFRIGERATOR CONTROL METHOD AND CONTROL SYSTEM USING LINEAR COMPRESSOR
Ehrich, Kai	EDWARDS, Bryan	(73) Qingdao Haier Joint Stock Co., Ltd
(51) F03D 7/00	(31) 201170446	(72) QI, Feifei
F03D 7/02	201161523883 P	ZHU, Xiaobing
F03D 7/04	(32) 16.08.2011	LIU, Jianru
F03D 9/00	16.08.2011	JI, Lisheng
(11) EP3242011	(33) Denmark	ZHANG, Shufeng
(21) EP15874994.5	United States of America	(31) 201510747235
(47) 07.10.2020	(51) F03D 13/10	(32) 05.11.2015
(87) CN2015094823	F03D 13/20	(33) China
07.07.2016	F03D 13/25	
(22) 17.11.2015	F03D 80/80	(51) F04B 37/14
(54) METHOD, DEVICE AND SYSTEM FOR COMPENSATING OUTPUT POWER OF WIND TURBINE GENERATOR SET	(11) EP3438449	F04C 23/00
(73) Beijing Goldwind Science & Creation Windpower Equipment Co. Ltd.	(21) EP18185854.9	F04C 25/02
(72) OU, Fashun	(47) 07.10.2020	F04C 28/02
LI, Jian	(22) 26.07.2018	F04C 29/00
(31) 201410838656	(54) SELF-SUPPORTING SUPPORT STRUCTURE FOR WIND TURBINE EQUIPMENT	F04F 1/00
(32) 30.12.2014	(73) DEME Offshore BE N.V.	F04F 5/00
(33) China	(72) DA SILVA, Alexandra Sofia Gonçales	(11) EP2875240
(51) F03D 7/02	RABAUT, Dieter Wim Jan	(21) EP13736594.6
(11) EP3565965	HARING, Wouter	(47) 07.10.2020
(21) EP17808766.4	(31) 201705543	(87) EP2013064929
(47) 07.10.2020	(32) 04.08.2017	23.01.2014
(87) DK2017050402	(33) Belgium	(22) 15.07.2013
12.07.2018	(51) F03D 80/60	(54) METHOD AND DEVICE FOR PUMPING OF A PROCESS CHAMBER
(22) 30.11.2017	(11) EP3527820	(73) Pfeiffer Vacuum
(54) PITCH ADJUSTMENT CYLINDER FOR ADJUSTMENT OF A PITCH ANGLE OF A BLADE OF A WIND TURBINE	(21) EP18157673.7	(72) SEIGEOT, Bertrand
(73) Vestas Wind Systems A/S	(47) 07.10.2020	(31) 1202049
(72) ANDERSEN, Lasse Køgs	(22) 20.02.2018	(32) 19.07.2012
GARDE, Erik	(54) WIND TURBINE COOLING ARRANGEMENT	(33) France
KABUS, Simon	(73) Siemens Gamesa Renewable Energy A/S	(51) F04B 39/00
NEUBAUER, Jesper Lykkegaard	(72) Munk-Hansen, Thorkil	F04B 39/06
(31) PA201770004	Airoldi, Giovanni	F04B 41/00
(32) 05.01.2017	(51) F04B 27/18	(11) EP3306085
(33) Denmark	F04B 49/12	(21) EP16803191.2
(51) F03D 7/02	F16K 31/06	(47) 07.10.2020
F03D 7/04	(11) EP3477170	(87) JP2016065549
H02J 3/38	(21) EP17819620.0	08.12.2016
H02P 9/10	(47) 07.10.2020	(22) 26.05.2016
F03D 9/00	(87) JP2017015861	(54) AIR COMPRESSION DEVICE
(11) EP2818696	04.01.2018	(73) Nabtesco Corporation
(21) EP12801793.6	(22) 20.04.2017	(72) KUROMITSU, Masaru
(47) 07.10.2020	(54) CONTROL VALVE FOR VARIABLE-CAPACITY COMPRESSOR	TAKASHIMA, Yoji
(87) JP2012054655	(73) Fujikoki Corporation	NAKAGAWA, Hiroshi
29.08.2013	(72) KUME Yoshiyuki	TAKAHASHI, Akira
(22) 24.02.2012	ASANO Hisashi	MIYAUCHI, Tatsuo
(54) WIND POWER GENERATION SYSTEM AND METHOD FOR CONTROLLING SAME	SAKAMOTO Takashi	HAMASAKI, Mitsuyoshi
(73) Mitsubishi Heavy Industries, Ltd.	ITOH Masaharu	TANAKA, Genpei
(72) YASUGI, Akira	(31) 2016127999	MIZUFUNE, Toru
Kii, Tsutomu	(32) 28.06.2016	(31) 2015110458
(51) F03D 7/02	(33) Japan	(32) 29.05.2015
F03D 17/00	(51) F04B 35/04	(33) Japan
(11) EP2745006	F04B 49/06	(51) F04B 39/00
(21) EP12746014.5	F04B 49/12	F04B 39/08
	F25B 31/02	F04B 39/10
	F25B 49/02	F04B 49/22
		(11) EP3415756
		(21) EP16881690.8
		(47) 07.10.2020
		(87) JP2016088364

06.07.2017	(72) Triebe, René	(11) EP3497336
(22) 22.12.2016	(51) F04C 2/18	(21) EP17758908.2
(54) COMPRESSOR	F04C 14/04	(47) 07.10.2020
(73) Valeo Japan Co., Ltd.	F04C 14/08	(87) GB2017052354
(72) KONISHI, Takeshi	(11) EP3521623	15.02.2018
(31) 2015255660	(21) EP19155225.6	(22) 09.08.2017
(32) 28.12.2015	(47) 07.10.2020	(54) ENCLOSURE SYSTEM INCLUDING
(33) Japan	(22) 04.02.2019	WIRE MESH AND THIN NON-POROUS
(51) F04B 39/06	(54) ELECTRIC GEAR PUMP	MEMBRANE PANELS
F04B 39/12	(73) JTEKT CORPORATION	(73) Edwards Limited
F04B 41/00	(72) KAGAWA, Hiroki	(72) GRAY, Malcolm William
(11) EP3581799	(31) 2018019575	(31) 201613794
(21) EP19187990.7	(32) 06.02.2018	(32) 11.08.2016
(47) 07.10.2020	(33) Japan	(33) United Kingdom
(22) 26.05.2016	(51) F04C 18/16	(51) F04D 17/16
(54) AIR COMPRESSION DEVICE	F04C 29/02	F04D 29/44
(73) Nabtesco Corporation	(11) EP3080458	F04D 29/68
(72) KUROMITSU, Masaru	(21) EP14823898.3	F24F 6/16
TAKASHIMA, Yoji	(47) 07.10.2020	F24F 1/0025
NAKAGAWA, Hiroshi	(87) EP2014003344	(11) EP3163178
TAKAHASHI, Akira	18.06.2015	(21) EP16196354.1
MIYAUCHI, Tatsuo	(22) 12.12.2014	(47) 07.10.2020
HAMASAKI, Mitsuyoshi	(54) COMPRESSOR	(22) 28.10.2016
TANAKA, Genpei	(73) GEA Refrigeration Germany GmbH	(54) AIR CONDITIONER
MIZUFUNE, Toru	(72) ZAYTSEV, Dmytro	(73) LG Electronics Inc.
(31) 2015110705	(31) 102013020533	(72) SON, Sanghyuk
(32) 29.05.2015	(32) 12.12.2013	PARK, Jeongtaek
(33) Japan	(33) Germany	CHOI, Jieun
(51) F04B 49/06	(51) F04C 18/356	LEE, Kyoungho
H02M 7/5387	F04C 23/00	(31) 201562248463 P
H02P 23/00	(11) EP3434902	20150156254
(11) EP3014754	(21) EP17770180.2	20150186044
(21) EP14818698.4	(47) 07.10.2020	(32) 30.10.2015
(47) 07.10.2020	(87) JP2017011063	07.11.2015
(87) CN2014080977	28.09.2017	24.12.2015
31.12.2014	(22) 17.03.2017	(33) United States of America
(22) 27.06.2014	(54) HERMETIC ROTARY COMPRESSOR	Korea (Republic)
(54) METHOD AND APPARATUS FOR	AND REFRIGERATION CYCLE DEVICE	Korea (Republic)
PULSE-WIDTH MODULATION OF A	(73) Toshiba Carrier Corporation	(51) F04D 19/04
VARIABLE-FREQUENCY DRIVE	(72) HIRAYAMA, Takuya	(11) EP2933497
(73) Eaton Corporation	JAFET FERDHY Monasry	(21) EP15159512.1
(72) CHEN, Yilun	GOTO, Shinya	(47) 07.10.2020
CHENG, Xiaomeng	(31) 2016062296	(22) 17.03.2015
(31) 201310265563	(32) 25.03.2016	(54) Vacuum pump
(32) 28.06.2013	(33) Japan	(73) Pfeiffer Vacuum GmbH
(33) China	(51) F04D 13/06	(72) Stoll, Tobias
(51) F04B 53/18	F04D 15/00	Hofmann, Jan
F04C 18/16	F04D 15/02	(31) 102014105582
F04C 28/28	F04D 27/00	(32) 17.04.2014
F04C 29/02	(11) EP2489880	(33) Germany
(11) EP3440359	(21) EP11828483.5	(51) F04D 23/00
(21) EP16714896.4	(47) 07.10.2020	G01N 21/05
(47) 07.10.2020	(87) JP2011052283	G02B 26/04
(87) EP2016057533	05.04.2012	G01N 21/3504
12.10.2017	(22) 03.02.2011	(11) EP3598106
(22) 06.04.2016	(54) PRESSURE-TIGHT, EXPLOSION-	(21) EP18000603.3
(54) REFRIGERANT COMPRESSOR UNIT	PROOF CONNECTOR	(47) 07.10.2020
(73) BITZER Kühlmaschinenbau GmbH	(73) Nikkiso Co., Ltd.	(22) 17.07.2018
(72) MIKULIC, Tihomir	(72) TAKEDA, Sho	(54) MOBILE AND PORTABLE GAS
FELLER, Klaus	(31) 2010215035	SENSING DEVICE, GAS SENSING
(51) F04C 2/14	(32) 27.09.2010	METHOD AND USE OF THE GAS
F04C 15/00	(33) Japan	SENSING DEVICE
(11) EP2871363	(51) F04D 17/16	(73) Schütz GmbH Messtechnik
(21) EP13191707.2	F04D 19/04	(72) HEIMBURGER, Volker
(47) 07.10.2020	F04D 27/02	ETTRICH, Jörg
(22) 06.11.2013	F04D 29/60	ELMENTHALER, Yannik
(54) Gear pump with a sealing assembly	F42D 5/045	(51) F04D 25/08
(73) Maag Pump Systems AG		F04D 29/52

F04D 29/64	(72) FUJITA, Yutaka	PRESSURE COMPENSATING VALVE
(11) EP2904274	KANZAKA, Tadashi	OF THIS TYPE
(21) EP13753609.0	YOSHIZAWA, Hiroaki	(73) Hydac Fluidtechnik GmbH
(47) 07.10.2020		(72) HILZENDEGEN, Philipp
(87) EP2013067396	(51) F04D 29/32	BILL, Markus
17.04.2014	F04D 29/58	HEß, Maximilian Felix
(22) 21.08.2013	H02K 7/14	(31) 102016012261
(54) HOUSING FOR A VENTILATOR OR	H02K 9/06	(32) 13.10.2016
FAN	(11) EP3404808	(33) Germany
(73) EBM-Papst Mulfingen GmbH&CO. KG	(21) EP18175830.1	
(72) SAUER, Thomas	(47) 07.10.2020	(51) F15B 13/04
BEST, Dieter	(22) 07.08.2014	F16H 61/02
EHMANN, Tobias	(54) ROTOR HUB ARRANGEMENT,	F16K 11/07
HUFNAGEL, Volker	ELECTRIC FAN	(11) EP2742246
HOSS, Sebastian	(73) Brose Fahrzeugteile SE & Co.	(21) EP12745824.8
(31) 102012109545	Kommanditgesellschaft, Würzburg	(47) 07.10.2020
(32) 08.10.2012	(72) DRESBACH, Sascha	(87) EP2012065240
(33) Germany	EVERS, Andre	14.02.2013
	GASS, Alexander	(22) 03.08.2012
(51) F04D 27/00	ROHM, Franziska	(54) SLIDING VALVE WITH A VALVE SLIDE
F24F 12/00	SCHÄFER, Tilman	WHICH CAN BE ACTED UPON BY AN
F24F 11/00	(31) 102013215808	ACTUATOR
F24F 11/39	(32) 09.08.2013	(73) Robert Bosch GmbH
F24F 11/77	(33) Germany	(72) FLEISCHER, Walter
(11) EP2846106	(51) F04D 29/42	(31) 102011080669
(21) EP14181868.2	F04D 29/58	102011087546
(47) 07.10.2020	H05B 3/34	(32) 09.08.2011
(22) 21.08.2014	(11) EP2985468	01.12.2011
(54) Room ventilation device and method of	(21) EP15180325.1	(33) Germany
controlling air flow within the ventilation	(47) 07.10.2020	Germany
device	(22) 10.08.2015	
(73) EBM-PAPST ST. GEORGEN GMBH &	(54) PUMP HAVING A HEATING DEVICE	(51) F15B 15/14
CO. KG	COMPRISING ELECTRIC FOIL	F15B 15/20
(72) Martin, Bernhard	HEATING	(11) EP3295036
Dufner, Thomas	(73) BSH Hausgeräte GmbH	(21) EP16727555.1
Gutmann, Markus	(72) Binder, Alfred	(47) 07.10.2020
Künstle, Manuel	Kalavsky, Michal	(87) IB2016052754
(31) 102013217992	(31) 102014215853	17.11.2016
(32) 09.09.2013	(32) 11.08.2014	(22) 12.05.2016
(33) Germany	(33) Germany	(54) LINEAR ACTUATOR WITH A PISTON
(51) F04D 27/02	(51) F15B 1/16	BYPASS IN A PREDETERMINED
F04D 29/058	(11) EP2745018	PISTON POSITION
F04D 29/46	(21) EP12747974.9	(73) Kongsberg Automotive AS
(11) EP3171034	(47) 07.10.2020	(72) IVERSON, Bjørn
(21) EP16197148.6	(87) EP2012003264	JOHNSEN, Steffen
(47) 07.10.2020	28.02.2013	HÄLL, Kent
(22) 04.11.2013	(22) 01.08.2012	(31) 201562160364 P
(54) VARIABLE GEOMETRY DIFFUSER	(54) PRESSURE VESSEL	(32) 12.05.2015
HAVING EXTENDED TRAVEL	(73) Hydac Technology GmbH	(33) United States of America
(73) Johnson Controls Technology Company	(72) KLOFT, Peter	(51) F15B 18/00
(72) SOMMER, Steven T.	BALTES, Herbert	F16K 27/04
SCHREIBER, Jeb W.	(31) 102011111098	F15B 21/04
KAUFFMAN, Justin P.	(32) 19.08.2011	(11) EP3418587
NENSTIEL, Kurt F.	(33) Germany	(21) EP17275089.5
(31) 201261724684 P	(51) F15B 11/05	(47) 07.10.2020
(32) 09.11.2012	F15B 13/01	(22) 22.06.2017
(33) United States of America	F15B 13/02	(54) HYDRAULIC VALVE
(51) F04D 29/26	F15B 13/04	(73) Claverham Limited
F04D 29/28	G05D 7/00	(72) BREWER, Paul
(11) EP3434908	(11) EP3526474	RAVAL, Reg
(21) EP16896861.8	(21) EP17761009.4	(51) F15D 1/00
(47) 07.10.2020	(47) 07.10.2020	(11) EP3507506
(87) JP2016060456	(87) EP2017001034	(21) EP17755287.4
05.10.2017	19.04.2018	(47) 07.10.2020
(22) 30.03.2016	(22) 31.08.2017	(87) NL2017050545
(54) IMPELLER, ROTARY MACHINE, AND	(54) DISCHARGE PRESSURE	08.03.2018
TURBOCHARGER	COMPENSATING VALVE AND LIFTING-	(22) 18.08.2017
(73) Mitsubishi Heavy Industries Engine &	LOWERING DEVICE HAVING A	(54) BODY PROVIDED WITH A
Turbocharger, Ltd.		SUPERFICIAL AREA ADAPTED TO
		REDUCE DRAG

(73) Dimple IP B.V.	(31) 202016100310 U	(31) 2016103239
(72) VAN NESSELROOIJ, Michiel	(32) 22.01.2016	(32) 24.05.2016
VAN CAMPENHOUT, Olaf	(33) Germany	(33) Japan
VELDHUIS, Leonardus Louis Maria	(51) F16B 21/18	(51) F16C 19/18
(31) 2017402	F16B 43/00	F16C 33/78
(32) 01.09.2016	(11) EP3063418	F16C 33/80
(33) Netherlands	(21) EP14805993.4	F16C 41/00
(51) F16B 5/00	(47) 07.10.2020	F16J 15/447
F25D 23/06	(87) FR2014052763	F16J 15/3232
(11) EP3563101	07.05.2015	(11) EP3336395
(21) EP16826745.8	(22) 30.10.2014	(21) EP16841783.0
(47) 07.10.2020	(54) CONNECTING ASSEMBLY USING	(47) 07.10.2020
(87) EP2016082736	A STOP RING FOR A LENGTH OF	(87) JP2016075165
05.07.2018	SHAFT. METHOD OF MOUNTING	09.03.2017
(22) 28.12.2016	SUCH A CONNECTING ASSEMBLY	(22) 29.08.2016
(54) ELECTRICAL HOUSEHOLD	(73) Poclair Hydraulics Industrie	(54) SEALING DEVICE
APPLIANCE CABIN WALL	(72) MULOT, Jérémie	(73) NOK Corporation
ASSEMBLING STRUCTURE WITH	BONNOMET, Bertrand	(72) KATO Takuya
INCREASED CONTACT SURFACE	VIDAL, Stephane	(31) 2015172041
(73) Arçelik Anonim Sirketi	(31) 1360609	(32) 01.09.2015
(72) KECECI, Ahmet	(32) 30.10.2013	(33) Japan
OZCELIK, Necat	(33) France	(51) F16C 19/30
PELIN, Salih	(51) F16C 17/02	F16C 27/06
CELIK, Husamettin	F16C 33/12	F16C 27/08
UGRAS, Mustafa	(11) EP3087282	F16C 33/58
(51) F16B 5/06	(21) EP14838772.3	F16C 33/60
F16B 21/08	(47) 07.10.2020	F16C 33/62
(11) EP3610161	(87) AT2014050303	(11) EP3327301
(21) EP18715228.5	02.07.2015	(21) EP16803538.4
(47) 07.10.2020	(22) 18.12.2014	(47) 07.10.2020
(87) FR2018050709	(54) MULTI-LAYER SLIDING BEARING	(87) JP2016066699
18.10.2018	(73) Miba Gleitlager Austria GmbH	08.12.2016
(22) 23.03.2018	(72) ZIDAR, Jakob	(22) 03.06.2016
(54) ERGONOMIC FASTENER PROVIDED	(31) 508502013	(54) THRUST ROLLER BEARING AND
WITH A SNAP-FITTING LEG AND A	(32) 23.12.2013	BEARING DEVICE
COMPRESSION COLLAR	(33) Austria	(73) NSK Ltd.
(73) A Raymond Et Cie	(51) F16C 17/03	(72) SHIMPO, Yuki
(72) POUZOLS, Virginie	F16C 33/10	MURATA, Shigenori
PAULIN, Grégory	(11) EP3334948	MASUDA, Satoshi
VONIEZ, Jimmy	(21) EP16756863.3	(31) 2015113534
(31) 1753124	(47) 07.10.2020	2015113535
(32) 10.04.2017	(87) US2016046241	(32) 03.06.2015
(33) France	16.02.2017	03.06.2015
(51) F16B 7/04	(22) 10.08.2016	(33) Japan
(11) EP3104023	(54) ADJUSTABLE OFFSET PIVOT	Japan
(21) EP16173185.6	JOURNAL PAD	(51) F16C 32/04
(47) 07.10.2020	(73) Lufkin Industries, LLC	H02K 7/08
(22) 06.06.2016	(72) ROCKEFELLER, Donald, Hugh	H02K 16/00
(54) FIXING DEVICE FOR FIXING AT LEAST	HART, Joseph	H02K 41/03
ONE ATTACHMENT TO A GROOVE,	(31) 201514822988	(11) EP3422545
AN ATTACHMENT AND A FASTENING	(32) 11.08.2015	(21) EP17178165.1
SYSTEM WITH SUCH A FIXING	(33) United States of America	(47) 07.10.2020
DEVICE	(51) F16C 19/06	(22) 27.06.2017
(73) Wesemann GmbH	F16C 33/78	(54) ELECTROMECHANICAL ACTUATOR
(72) Schlottke, Torsten	F16C 33/80	(73) ETEL S.A.
(31) 102015109439	F16J 15/447	(72) MIRIC, Spasoje
(32) 12.06.2015	F16J 15/3232	TÜYSÜZ, Arda
(33) Germany	F16J 15/3236	KOLAR, Johann Walter
(51) F16B 13/08	(11) EP3467329	(51) F16C 33/46
(11) EP3405685	(21) EP17802650.6	F16C 33/50
(21) EP17701459.4	(47) 07.10.2020	(11) EP3458734
(47) 07.10.2020	(87) JP2017018556	(21) EP17724376.3
(87) EP2017051248	30.11.2017	(47) 07.10.2020
27.07.2017	(22) 17.05.2017	(87) EP2017062177
(22) 20.01.2017	(54) BEARING AND BEARING SEALING	23.11.2017
(54) FASTENING DEVICE	DEVICE	(22) 19.05.2017
(73) Technical Solutions GmbH	(73) NTN Corporation	(54) ROLLING ELEMENT BEARING CAGE
(72) WERNER, Rüdol	(72) OKAJI Yoshitaka	(73) Bowman International Limited

(72) BREEZE, Ian	(21) EP16766478.8	F16F 9/04
(31) 201608921	(47) 07.10.2020	(11) EP2929209
(32) 20.05.2016	(87) DE2016200386	(21) EP13811372.5
(33) United Kingdom	23.02.2017	(47) 07.10.2020
(51) F16D 11/10	(22) 19.08.2016	(87) EP2013003273
F16D 25/04	(54) CLUTCH DEVICE FOR A HYBRID	12.06.2014
(11) EP3171048	DRIVE SYSTEM	(22) 30.10.2013
(21) EP16184492.3	(73) Schaeffler Technologies AG & Co. KG	(54) BEARING
(47) 07.10.2020	(72) LORENZ, Elmar	(73) Trelleborg Antivibration Solutions
(22) 17.08.2016	OSSADNIK, Thomas	Germany GmbH
(54) VEHICLE DRIVETRAIN ASSEMBLY	(31) 102015215895	(72) CORDTS, Detlef
HAVING A CLUTCH COLLAR	(32) 20.08.2015	(31) 102012023616
ACTUATOR MECHANISM	(33) Germany	(32) 04.12.2012
(73) Meritor Commercial Vehicle Systems	(51) F16D 25/06	(33) Germany
India Private Limited	B60K 6/365	(51) F16F 9/512
(72) Supreeth, Chandrashekar	B60K 6/387	(11) EP3286451
Siddaramappa, Dhananjaya	B60W 30/18	(21) EP16733222.0
Udupi, Kishan Kumar	(11) EP2867048	(47) 07.10.2020
Kuruba, Prashanth	(21) EP13810839.4	(87) NL2016050293
(31) 6269CH2015	(47) 07.10.2020	27.10.2016
(32) 20.11.2015	(87) SE2013050766	(22) 25.04.2016
(33) India	03.01.2014	(54) FREQUENCY SELECTIVE DAMPER
(51) F16D 11/14	(22) 25.06.2013	VALVE, AND SHOCK ABSORBER
F16D 23/12	(54) DRIVE ARRANGEMENT FOR A	COMPRISING SUCH DAMPER VALVE
H02B 11/127	VEHICLE, VEHICLE INCLUDING	(73) KONI B.V.
(11) EP3413413	SUCH A DRIVE ARRANGEMENT AND	(72) DE KOCK, Paul
(21) EP16888808.9	METHOD FOR CONTROLLING SUCH A	(31) 2014717
(47) 07.10.2020	DRIVE ARRANGEMENT	(32) 24.04.2015
(87) CN2016073622	(73) Scania CV AB	(33) Netherlands
10.08.2017	(72) BERGQUIST, Mikael	(51) F16H 1/06
(22) 05.02.2016	(31) 1250696	F16H 19/00
(54) TRANSMISSION AND CLUTCH DEVICE	(32) 27.06.2012	F16H 27/08
FOR ELECTRIC CHASSIS VEHICLE,	(33) Sweden	F16H 35/00
AND ELECTRIC CHASSIS VEHICLE	(51) F16D 55/2255	F16H 55/08
(73) ABB Schweiz AG	F16D 65/28	F25D 17/04
(72) ZHU, Yongwei	F16D 65/52	F25D 17/08
ZHUANG, Zhijian	F16D 121/08	(11) EP3139064
WANG, Qiliang	F16D 125/32	(21) EP15786531.2
(51) F16D 13/52	(11) EP2938898	(47) 07.10.2020
F16D 47/04	(21) EP12839154.7	(87) JP2015062196
(11) EP3543554	(47) 07.10.2020	05.11.2015
(21) EP19157552.1	(87) IB2012002971	(22) 22.04.2015
(47) 07.10.2020	03.07.2014	(54) DAMPER APPARATUS
(22) 15.02.2019	(22) 28.12.2012	(73) Nidec Sankyo Corporation
(54) CLUTCH APPARATUS	(54) A DISC BRAKE SYSTEM FOR A	(72) SAITO, Shunji
(73) NSK-WARNER K.K.	MOTOR VEHICLE, HAVING A BRAKE	HAYASHI, Katsuhiko
(72) IWANO, Akira	MECHANISM WITH A REDUCED SIZE	(31) 2014094162
(31) 2018027011	(73) Volvo Truck Corporation	(32) 30.04.2014
(32) 19.02.2018	(72) CARLE, Jean-Sébastien	(33) Japan
(33) Japan	DESSAINTJEAN, Nicolas	(51) F16H 3/00
(51) F16D 13/75	(51) F16D 65/18	F16H 3/091
(11) EP3516248	F16H 19/02	F16H 3/097
(21) EP17768350.5	F16H 25/20	F16H 3/66
(47) 07.10.2020	(11) EP3045774	(11) EP3376066
(87) DE2017100698	(21) EP14841519.3	(21) EP16864241.1
22.03.2018	(47) 07.10.2020	(47) 07.10.2020
(22) 22.08.2017	(87) JP2014072243	(87) JP2016083188
(54) ADJUSTING DEVICE FOR A FRICTION	12.03.2015	18.05.2017
CLUTCH	(22) 26.08.2014	(22) 09.11.2016
(73) Schaeffler Technologies AG & Co. KG	(54) ELECTRIC LINEAR ACTUATOR AND	(54) DUAL-CLUTCH TRANSMISSION
(72) FINKENZELLER, Marc	ELECTRIC BRAKE DEVICE	(73) Isuzu Motors Limited
(31) 102016217824	(73) NTN Corporation	(72) UJI, Hidetoshi
(32) 19.09.2016	(72) YAMASAKI Tatsuya	(31) 2015222047
(33) Germany	(31) 2013186275	(32) 12.11.2015
(51) F16D 21/06	(32) 09.09.2013	(33) Japan
F16D 25/0638	(33) Japan	(51) F16H 7/12
(11) EP3337995	(51) F16F 1/366	(11) EP3431815
	F16F 1/44	(21) EP18182163.8

(47) 07.10.2020	(11) EP3633239	(47) 07.10.2020
(22) 06.07.2018	(21) EP18210655.9	(87) IB2014058278
(54) BELT TENSIONING DEVICE	(47) 07.10.2020	23.07.2015
(73) Muhr und Bender KG	(22) 06.12.2018	(22) 15.01.2014
(72) Stadermann, Florian	(54) HYBRID PRESSURIZED AND NON-	(54) METHOD FOR OPERATING AN
Jud, Joachim	PRESSURIZED LUBRICATION SYSTEM	ELECTRIC OR HYBRID VEHICLE WITH
Pfeifer, Simon	FOR AIRCRAFT GEARBOX	SHIFTABLE TRANSMISSION AND
Jung, Manfred	(73) Bell Helicopter Textron Inc.	ELECTRIC OR HYBRID VEHICLE
(31) 102017116000	(72) MUELLER, Russell L.	(73) Audi AG
(32) 17.07.2017	(31) 201816152919	(72) PETZ, Andreas
(33) Germany	(32) 05.10.2018	HEBER, Sebastian
(51) F16H 9/18	(33) United States of America	KNOEFERL, Benjamin
F16H 25/20	(51) F16H 59/08	HERRMANN, Arne
F16H 25/24	G05G 1/08	RIEDER, Gerald
F16H 63/06	G05G 5/06	STRASSER, Roman
(11) EP3379104	(11) EP3254167	(51) F16H 61/24
(21) EP16866306.0	(21) EP16700406.8	F16H 61/26
(47) 07.10.2020	(47) 07.10.2020	(11) EP2902674
(87) JP2016083795	(87) EP2016050331	(21) EP15153299.1
26.05.2017	11.08.2016	(47) 07.10.2020
(22) 15.11.2016	(22) 11.01.2016	(22) 30.01.2015
(54) BELT-TYPE CONTINUOUSLY	(54) APPARATUS AND METHOD FOR	(54) Power transmission device for a
VARIABLE TRANSMISSION	ADJUSTING A ROTARY OR PIVOTING	transmission
(73) Musashi Seimitsu Industry Co., Ltd.	MOVEMENT OF A CONTROL	(73) HS Products Engineering GmbH
Honda Motor Co., Ltd.	ELEMENT FOR A VEHICLE	(72) Dorschel, Florian
(72) ATSUMI Takashi	(73) ZF Friedrichshafen AG	Heckmayr, Thomas
OKAMOTO Teruhisa	(72) HESSEL, Alex	Julling, Ullrich
YOSHIDA Yoshihiro	(31) 102015201976	Specht, Martin
MATSUURA Kohei	(32) 05.02.2015	(31) 102014101189
MORITA Go	(33) Germany	(32) 31.01.2014
YOSHIZAWA Hiroyasu	(51) F16H 59/38	(33) Germany
(31) 2015226922	F16H 59/40	(51) F16H 61/32
(32) 19.11.2015	F16H 59/42	F16H 63/18
(33) Japan	F16H 59/44	(11) EP3315826
(51) F16H 39/14	F16H 59/68	(21) EP16827541.0
F16H 61/448	F16H 59/70	(47) 07.10.2020
(11) EP3380754	F16H 61/02	(87) JP2016068065
(21) EP16867475.2	F16H 61/12	26.01.2017
(47) 07.10.2020	(11) EP3534044	(22) 17.06.2016
(87) CA2016051356	(21) EP17875118.6	(54) SHIFT DRUM DRIVE UNIT AND
01.06.2017	(47) 07.10.2020	SADDLED VEHICLE
(22) 21.11.2016	(87) JP2017042075	(73) Kabushiki Kaisha F.C.C.
(54) LOAD CANCELLING HYDROSTATIC	07.06.2018	(72) MAKITA, Shouji
SYSTEM	(22) 22.11.2017	MIYACHI, Kazuyoshi
(73) Kinetics Drive Solutions Inc.	(54) STRADDLED VEHICLE	CHIBA, Ryouhei
(72) DYCK, Gerald	(73) Yamaha Hatsudoki Kabushiki Kaisha	IIDA, kaoru
CALDARELLA, Francesco	(72) MAEBASHI, Kosei	(31) 2015144529
CZEPAK, John	(31) 2016233982	(32) 22.07.2015
(31) 201562260198 P	(32) 01.12.2016	(33) Japan
(32) 25.11.2015	(33) Japan	(51) F16K 1/22
(33) United States of America	(51) F16H 59/66	F16K 17/02
(51) F16H 57/025	F16H 61/28	F16K 17/04
(11) EP3408562	(11) EP3325852	F16K 17/40
(21) EP17706529.9	(21) EP16739083.0	F16K 47/02
(47) 07.10.2020	(47) 07.10.2020	(11) EP3108169
(87) FR2017050083	(87) EP2016066399	(21) EP15707238.0
03.08.2017	26.01.2017	(47) 07.10.2020
(22) 13.01.2017	(22) 11.07.2016	(87) US2015016904
(54) SYSTEM FOR AXIALLY COUPLING AN	(54) SHIFT ASSEMBLY AND METHOD FOR	27.08.2015
ENGINE SHAFT TO A DRIVE SHAFT	ACTUATING A POWERTRAIN	(22) 20.02.2015
(73) Renault S.A.S.	(73) Magna PT B.V. & Co. KG	(54) ROTATABLE PRESSURE RELIEF
NISSAN MOTOR CO., LTD.	(72) BUENDER, Carsten	VALVE ASSEMBLY
(72) DECAUX, Stéphane	(31) 102015111938	(73) BS&B Innovation Limited
MOTTE, Emmanuel	(32) 22.07.2015	(72) BRAZIER, Geoffrey
(31) 1650613	(33) Germany	TOMASKO, John
(32) 26.01.2016	(51) F16H 61/02	(31) 201461966335 P
(33) France	(11) EP3094891	(32) 21.02.2014
(51) F16H 57/04	(21) EP14706330.9	(33) United States of America

(51) F16K 3/02 F16K 31/126 G05D 16/06	(54) SEAL ASSEMBLY AND VALVE ASSEMBLY	(47) 07.10.2020
(11) EP3123262	(73) Volkswagen Aktiengesellschaft	(87) EP2013073591 22.05.2014
(21) EP15716643.0	(72) FRIES, Holger	(22) 12.11.2013
(47) 07.10.2020	LÜDERS, Ralf	(54) SEALING OF JOINTS BETWEEN VENTILATION DUCTS AND FITTINGS
(87) US2015022888 01.10.2015	BILBAL, Ugur Goekhan	(73) Lindab AB
(22) 27.03.2015	KOEHLER, Axel-Oliver	(72) BERG, Ola
(54) SLIDING GATE REGULATOR	(31) 102016216051	(72) KARLSSON, Lars
(73) Emerson Process Management Regulator Technologies, Inc.	(32) 25.08.2016	(31) 1251289
(72) ROMAN, Florin, R.	(33) Germany	(32) 13.11.2012
REBREANU, Silviu, V.	(51) F16K 11/00	(33) Sweden
BARTHA, Istvan	F16K 11/085	
HANCEANU, Vlad, Cristinel	F16K 31/00	(51) F16L 17/025
OPREAN, Aaron, P.	G05D 23/13	F16L 37/32
(31) 201414227612	(11) EP3470953	F16L 37/56
(32) 27.03.2014	(21) EP18000083.8	F16J 15/3232
(33) United States of America	(47) 07.10.2020	F16J 15/3264
(51) F16K 3/24	(22) 01.02.2018	(11) EP3500785
F16N 3/12	(54) LOW-PRESSURE HIGH-FLOW SHOWER	(21) EP17749588.4
H01H 3/20	(73) Xiamen Solex High-tech Industries Co., Ltd.	(47) 07.10.2020
H01H 9/06	(72) LIN, Fangqi	(87) US2017044891 22.02.2018
(11) EP3575665	WEI, Zhijian	(22) 01.08.2017
(21) EP19180282.6	HU, Lihong	(54) QUICK COUPLING WITH MULTI-PIECE ELASTOMER SEAL
(47) 07.10.2020	CHEN, Wenxing	(73) Parker-Hannifin Corporation
(22) 08.08.2012	(31) 201710947248	(72) KOLLER, Jason Richard
(54) GREASE GUN	(32) 12.10.2017	FOSE, Carter
(73) Milwaukee Electric Tool Corporation	(33) China	(31) 201662377182 P
(72) THORSON, Troy C	(51) F16K 11/22	(32) 19.08.2016
EISENHARDT, Scott S	F16K 31/365	(33) United States of America
TIMMONS, Terry L	F16K 37/00	(51) F16L 19/02
(31) 201161521903 P	F24D 19/10	G01N 30/22
201161521987 P	G05D 7/00	G01N 30/60
201261612835 P	(11) EP3563207	(11) EP2935962
201261612846 P	(21) EP17804801.3	(21) EP13864021.4
201261613888 P	(47) 07.10.2020	(47) 07.10.2020
(32) 10.08.2011	(87) DE2017100967 05.07.2018	(87) US2013075383 26.06.2014
10.08.2011	(22) 15.11.2017	(22) 16.12.2013
19.03.2012	(54) CONTROL VALVE FOR REGULATION OF DIFFERENTIAL PRESSURE AND/ OR FLOW	(54) FLUIDIC COUPLING SEAL
19.03.2012	(73) Oventrop GmbH & Co. KG	(73) Waters Technologies Corporation
21.03.2012	(72) BRAMBRING, Stefan	(72) CORMIER, Sylvain
(33) United States of America	(31) 102016125734	SHREVE, Joshua A.
United States of America	(32) 27.12.2016	LUONGO, Joseph A.
United States of America	(33) Germany	KEENAN, Paul
United States of America	(51) F16K 99/00	PLANT, Kenneth
United States of America	(31) 201261739798 P	(31) 201261739798 P
(51) F16K 3/314	(32) 20.12.2012	(33) United States of America
G05D 16/06	(11) EP2773892	
(11) EP3220021	(21) EP12791355.6	(51) F16L 27/10
(21) EP17160606.4	(47) 07.10.2020	F16L 27/111
(47) 07.10.2020	(87) US2012063091 10.05.2013	F16L 51/02
(22) 13.03.2017	(22) 01.11.2012	F01N 13/18
(54) PRESSURE REGULATOR DEVICE FOR A GAS VALVE	(54) POLYNUCLEOTIDE SAMPLE PREPARATION DEVICE	(11) EP3091264
(73) Suntec Industries France	(73) Handylab, Inc.	(21) EP15166271.5
(72) RENARD, Jérôme	(72) HANDIQUE, Kalyan	(47) 07.10.2020
(31) 1652097	(31) 201161556032 P	(22) 04.05.2015
(32) 14.03.2016	(32) 04.11.2011	(54) VEHICLE WITH FLEXIBLE CONDUIT ELEMENT
(33) France	(33) United States of America	(73) Sjm Co., Ltd.
(51) F16K 5/06	(51) F16L 17/025	(72) Jae Kwang, Lee
(11) EP3504467	F16L 21/035	Webel, Uwe
(21) EP17751740.6	F16L 25/00	
(47) 07.10.2020	F24F 13/02	(51) F16L 27/10
(87) EP2017070384 01.03.2018	(11) EP2923156	F16L 27/111
(22) 10.08.2017	(21) EP13791790.2	F16L 51/02
		F16L 51/03
		F16L 55/033

F01N 13/18	(21) EP16816884.7	(54) SELF-SEALING VALVE CONNECTION
(11) EP2997291	(47) 07.10.2020	FOR PRESSURE VESSEL
(21) EP13726422.2	(87) CA2016050756	(73) NPROXX B.V.
(47) 07.10.2020	05.01.2017	(72) Kronholz, Stephan
(87) EP2013001480	(22) 27.06.2016	Zimmermann, Edwin
20.11.2014	(54) COATING/MEMBRANE REPAIR KIT	Krath, Wilhelm
(22) 17.05.2013	(73) PRO PAINT GEAR INC.	Mülheims, Josef
(54) FLEXIBLE CONDUIT ELEMENT	(72) MITCHELL, Jack A.	(51) F17C 13/04
(73) Sjm Co., Ltd.	(31) 201562186658 P	(11) EP3575668
(72) WEBEL, Uwe	201562266307 P	(21) EP18185283.1
(51) F16L 33/02	(32) 30.06.2015	(47) 07.10.2020
F16L 33/22	11.12.2015	(22) 24.07.2018
(11) EP3338018	(33) United States of America	(54) SELF-SEALING VALVE CONNECTION
(21) EP16724644.6	United States of America	FOR PRESSURE VESSEL
(47) 07.10.2020	(51) F16P 3/14	(73) NPROXX B.V.
(87) EP2016061708	G01V 8/20	(72) Kronholz, Stephan
23.02.2017	(11) EP3486545	Zimmermann, Edwin
(22) 24.05.2016	(21) EP18206504.5	Krath, Wilhelm
(54) CONNECTING ARRANGEMENT WITH	(47) 07.10.2020	Mülheims, Josef
PRESS RING	(22) 15.11.2018	(31) 18174701
(73) NORMA Germany GmbH	(54) SAFETY CONTROLLER AND SAFETY	(32) 29.05.2018
(72) STEINKAMP, Christoph	SYSTEM	(33) European Patent Office (EPO)
BAUER, Andreas	(73) SICK AG	(51) F21S 8/00
KULLIK, Sven	(72) KNAB, Danilo	F21S 8/06
(31) 102015113626	AMS, Mathias	F21V 21/35
(32) 18.08.2015	MÜNICH, Dennis	F21V 23/06
(33) Germany	(31) 102017127486	F21S 2/00
(51) F16L 45/00	(32) 21.11.2017	F21S 4/28
F24F 13/02	(33) Germany	F21Y 103/10
(11) EP3022498	(51) F17C 1/16	F21Y 115/10
(21) EP14739542.0	(11) EP3601870	(11) EP3321563
(47) 07.10.2020	(21) EP19711890.4	(21) EP17200535.7
(87) GB2014052121	(47) 07.10.2020	(47) 07.10.2020
22.01.2015	(87) EP2019056520	(22) 08.11.2017
(22) 11.07.2014	03.10.2019	(54) LIGHT BAR FOR A LIGHTING SYSTEM
(54) A DUCT MEMBER AND CLOSURE	(22) 15.03.2019	(73) Contemporary Visions, LLC
ASSEMBLY FOR A DUCT MEMBER	(54) PRESSURISED CONTAINER AND	(72) Sonneman, Robert, A.
(73) Specialist Ventilation Services Limited	METHOD FOR PRODUCING AN	(31) 201662419505 P
Kent Tooling & Components Limited	OUTER CASING FOR A PRESSURISED	201715407085
(72) MCARTHUR, Andrew	CONTAINER	(32) 09.11.2016
PERRIN, Richard John	(73) Audi AG	16.01.2017
(31) 201312654	(72) MACHALETT, Sascha	(33) United States of America
(32) 16.07.2013	EIDMANN, Florian	United States of America
(33) United Kingdom	(31) 102018204804	(51) F21S 8/00
(51) F16L 55/165	(32) 28.03.2018	F21V 5/04
F16L 55/179	(33) Germany	F21V 7/00
F16L 55/18	(51) F17C 3/02	F21V 7/05
F16L 55/26	F17C 13/00	F21V 13/04
(11) EP3169927	(11) EP3271635	F21V 23/02
(21) EP15748170.6	(21) EP16712971.7	F21S 4/28
(47) 07.10.2020	(47) 07.10.2020	F21Y 103/10
(87) EP2015001472	(87) FR2016050611	F21Y 115/10
21.01.2016	29.09.2016	F21V 5/00
(22) 16.07.2015	(22) 18.03.2016	(11) EP3339718
(54) METHOD AND DEVICE FOR	(54) METHOD FOR COOLING A LIQUEFIED	(21) EP16837390.0
REPAIRING A GROUND PIPE LEADING	GAS	(47) 07.10.2020
INTO A MAIN CHANNEL	(73) GAZTRANSPORT ET TECHNIGAZ	(87) RU2016000542
(73) Zawisla, Klaus Dieter	(72) DELETRE, Bruno	23.02.2017
(72) Zawisla, Klaus Dieter	HAQUIN, Nicolas	(22) 15.08.2016
Olbrich, Norbert	(31) 1552318	(54) LUMINOUS FLUX CREATION METHOD
(31) 102014010431	(32) 20.03.2015	AND EXTENDED CORNICE LAMP FOR
(32) 16.07.2014	(33) France	IMPLEMENTING SAME
(33) Germany	(51) F17C 13/04	(73) Sterkina, Natalia Olegovna
(51) F16L 55/168	(11) EP3587895	Salnikov, Dmitriy Igorevich
F16L 55/18	(21) EP18179194.8	(72) STERKINA, Natalia Olegovna
F17C 1/00	(47) 07.10.2020	STERKINA, Svetlana Aleksandrovna
F17D 5/02	(22) 22.06.2018	(31) 2015135201
(11) EP3347640		(32) 20.08.2015

(33) Russian Federation	(73) odelo GmbH	F21V 7/18
(51) F21S 8/02	(72) HELLER, Andreas	G02F 1/1335
F21V 14/02	HORNUNG, Thorsten	G02F 1/13357
F21V 19/02	SCHNEIDER, Robert	(11) EP3203143
(11) EP3540291	(51) F21V 7/00	(21) EP15763810.7
(21) EP18382178.4	(11) EP2433047	(47) 07.10.2020
(47) 07.10.2020	(21) EP10711809.3	(87) CN2015078484
(22) 16.03.2018	(47) 07.10.2020	07.04.2016
(54) LAMP	(87) US2010029135	(22) 07.05.2015
(73) Simon, S.A.U.	25.11.2010	(54) REFLECTION SHEET, BACKLIGHT
(72) PLAJA MIRÓ, Salvi	(22) 30.03.2010	MODULE AND DISPLAY DEVICE
RIQUÈ REBULL, Adrià	(54) LIGHTING DEVICE WITH MULTIPLE-	(73) BOE Technology Group Co., Ltd.
BATISTE MAYAS, Clara	REGION REFLECTOR	(72) LU, Yongchun
PORTILLO LAINEZ, Marta	(73) IDEAL Industries Lighting LLC	QIAO, Yong
BALBANEDA CARRILERO, Antonio	(72) PICKARD, Paul Kenneth	CHENG, Hongfei
ESTEVE PASTOR, Jordi	VAN DEN VEN, Antony Paul	XIAN, Jianbo
(51) F21S 41/00	(31) 467467	MA, Yongda
(11) EP2620696	(32) 18.05.2009	XU, Jian
(21) EP13152697.2	(33) United States of America	(31) 201420575536 U
(47) 07.10.2020	(51) F21V 7/00	(32) 30.09.2014
(22) 25.01.2013	F21V 11/16	(33) China
(54) Light emitting module and vehicle lamp	F21V 31/04	(51) F21V 8/00
(73) Koito Manufacturing Co., Ltd.	F21S 4/24	F21K 9/61
(72) Masuda, Takeshi	F21Y 103/10	F21S 41/24
Mizuno, Masanobu	F21Y 115/10	F21S 43/14
Tsutsumi, Yasuaki	F21V 3/06	F21S 43/237
(31) 2012013523	F21V 3/10	F21S 43/239
(32) 25.01.2012	(11) EP3534064	F21S 43/243
(33) Japan	(21) EP19157647.9	F21S 43/245
(51) F21S 41/148	(47) 07.10.2020	F21S 43/249
F21S 41/19	(22) 18.02.2019	(11) EP3531015
F21S 41/255	(54) A COVER MEMBER FOR LIGHTING	(21) EP19158456.4
F21S 41/39	DEVICES, CORRESPONDING DEVICE	(47) 07.10.2020
(11) EP3212992	AND METHOD	(22) 21.02.2019
(21) EP14809074.9	(73) OSRAM GmbH	(54) VEHICULAR LIGHT
(47) 07.10.2020	(72) ZANOTTO, Alberto	(73) STANLEY ELECTRIC CO., LTD.
(87) FR2014052780	BOBBO, Simon	(72) HAN, O.
06.05.2016	MICHIELAN, Valerio	(31) 2018029129
(22) 31.10.2014	(31) 201800003135	(32) 21.02.2018
(54) COMPACT OPTICAL MODULE FOR	(32) 28.02.2018	(33) Japan
VEHICLE	(33) Italy	(51) F21V 8/00
(73) PSA Automobiles SA	(51) F21V 7/00	G02B 6/00
(72) VIDEIRA, Filipe	G02F 1/13357	B60Q 3/00
CARROUGET, Alain	G09F 9/00	F21S 43/14
MOYNIER, Gilles	F21V 23/00	(11) EP2851718
(51) F21S 43/14	F21S 2/00	(21) EP14182097.7
F21S 43/239	(11) EP3346321	(47) 07.10.2020
F21S 43/245	(21) EP16841115.5	(22) 25.08.2014
F21S 43/249	(47) 07.10.2020	(54) Illumination device of a motor vehicle
(11) EP3026328	(87) JP2016003940	(73) Automotive Lighting Reutlingen GmbH
(21) EP15163837.6	09.03.2017	(72) Kleiner, Thomas
(47) 07.10.2020	(22) 30.08.2016	(31) 102013218739
(22) 16.04.2015	(54) VIDEO DISPLAY DEVICE	(32) 18.09.2013
(54) LIGHT SOURCE MODULE OF LAMP	(73) Panasonic Intellectual Property	(33) Germany
FOR VEHICLE	Management Co., Ltd.	(51) F21V 8/00
(73) Hyundai Motor Company	(72) KUMAMOTO, Yasuhiro	G02F 1/1333
(72) Yang, Jeong Gyu	SHINYA, Takeichi	G06F 3/041
(31) 20140165153	HIGA, Koujiro	(11) EP3264236
(32) 25.11.2014	OFUJI, Masaaki	(21) EP16767715.2
(33) Korea (Republic)	TAKEUCHI, Taizou	(47) 07.10.2020
(51) F21S 43/20	KUGIMARU, Tadahiro	(87) CN2016076665
(11) EP3343089	(31) 2015172363	29.09.2016
(21) EP17150062.2	2016047674	(22) 18.03.2016
(47) 07.10.2020	(32) 01.09.2015	(54) INTEGRATED FULLY-SEALED
(22) 02.01.2017	10.03.2016	LIQUID CRYSTAL SCREEN AND
(54) LIGHTING DEVICE AND VEHICLE	(33) Japan	MANUFACTURING PROCESS FOR
LIGHT EQUIPPED WITH THE SAME	Japan	SAME
(51) F21V 7/10	(73) Opton (Shunchang) Optics Co., LTD	

(72) LU, Zhang	(22) 05.05.2015	Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(31) 201510123518	(54) SUPPORT FRAME FOR VIDEO WALL	(72) VEAU, José
(32) 20.03.2015	(73) Harman Professional Denmark ApS	PETIT, Marc
(33) China	(72) Verlinden, Wouter	TOCHON, Patrice
(51) F21V 8/00	Kjær, Lars Barslund	CLEMENT, Patrice
G02F 1/1335	(51) F21Y 115/10	(31) 0854030
(11) EP3304188	(11) EP3095142	(32) 18.06.2008
(21) EP16800742.5	(21) EP14830684.8	(33) France
(47) 07.10.2020	(47) 07.10.2020	(51) F23D 14/24
(87) US2016034418	(87) IB2014066996	F23R 3/14
01.12.2016	25.06.2015	F23R 3/28
(22) 26.05.2016	(22) 17.12.2014	F23R 3/36
(54) WIDE ANGLE IMAGING DIRECTIONAL BACKLIGHTS	(54) LED MODULE WITH UNIFORM PHOSPHOR ILLUMINATION	(11) EP3250856
(73) RealD Spark, LLC	(73) Lumileds Holding B.V.	(21) EP15706962.6
(72) ROBINSON, Michael, G.	(72) SOER, Wouter Anthon	(47) 07.10.2020
RAMSEY, Robert, A.	JAGT, Hendrik Johannes Boudewijn	(87) US2015013486
WOODGATE, Graham, J.	VDOVIN, Olexandr Valentynovych	04.08.2016
(31) 201562167185 P	(31) 201361917959 P	(22) 29.01.2015
201562167203 P	(32) 19.12.2013	(54) FUEL INJECTOR INCLUDING A LOBED MIXER AND VANES FOR INJECTING ALTERNATE FUELS IN A GAS TURBINE
(32) 27.05.2015	(33) United States of America	(73) Siemens Energy, Inc.
27.05.2015	(51) F22B 1/18	(72) LASTER, Walter Ray
(33) United States of America	F22B 21/00	FOX, Timothy A.
United States of America	F22B 37/26	BARTLEY, Robert H.
(51) F21V 17/10	(11) EP3497369	(51) F23D 14/36
F21V 21/26	(21) EP17798114.9	F23D 14/64
F21V 21/30	(47) 07.10.2020	F23M 20/00
F21Y 101/00	(87) EP2017077144	(11) EP3180564
F21Y 115/10	11.05.2018	(21) EP15759393.0
(11) EP3615860	(22) 24.10.2017	(47) 07.10.2020
(21) EP18717942.9	(54) EVAPORATOR SYSTEM	(87) EP2015068717
(47) 07.10.2020	(73) Siemens Aktiengesellschaft	18.02.2016
(87) EP2018060065	(72) KRAMER, Walter Adriaan	(22) 13.08.2015
01.11.2018	(31) 16196841	(54) BURNER DEVICE FOR HEATING APPARATUS
(22) 19.04.2018	(32) 02.11.2016	(73) Munster Simms Engineering Limited
(54) FASTENING DEVICE AND METHOD FOR PRODUCING SUCH A FASTENING DEVICE	(33) European Patent Office (EPO)	(72) RAGG, Christopher
(73) Signify Holding B.V.	(51) F22B 9/00	(31) 201414465
(72) HIKMET, Rifat, Ata, Mustafa	F28D 7/16	(32) 14.08.2014
VAN OS, Jacobus, Petrus, Johannes	F28F 9/00	(33) United Kingdom
(31) 17167667	F28F 9/18	(51) F23G 5/50
(32) 24.04.2017	(11) EP3443288	F23N 1/00
(33) European Patent Office (EPO)	(21) EP17728097.1	F23N 3/00
(51) F21V 17/16	(47) 07.10.2020	F23N 5/00
F21V 17/18	(87) EP2017062823	(11) EP3379147
F21V 21/40	14.12.2017	(21) EP16865945.6
F21W 131/20	(22) 29.05.2017	(47) 07.10.2020
(11) EP3380785	(54) VERTICAL HEAT EXCHANGER	(87) JP2016060199
(21) EP16770051.7	(73) Siemens Aktiengesellschaft	26.05.2017
(47) 07.10.2020	(72) HAJE, Detlef	(22) 29.03.2016
(87) FR2016052106	TISCHER, Heiko	(54) WASTE INCINERATION CONTROL METHOD, AND INCINERATION CONTROL APPARATUS USING SAME
01.06.2017	MÜHLER, Jörg	(73) Takuma Co., Ltd.
(22) 23.08.2016	NÖNNIG, Martin	(72) FUKUMA, Yoshihito
(54) LIGHTING APPLIANCE WITH REMOVABLE HANDLE	(31) 102016210218	FUJIKAWA, Hiroyuki
(73) Maquet SAS	(32) 09.06.2016	MATSUDA, Yoshiji
(72) CHANGEUX, Patrice	(33) Germany	WATASE, Masaya
LOISEAU, André	(51) F22B 37/38	(31) 2015226211
(31) 1561411	G01N 17/00	(32) 19.11.2015
(32) 26.11.2015	G01N 27/18	(33) Japan
(33) France	(11) EP2324338	(51) F23K 5/04
(51) F21V 21/005	(21) EP09765902.3	F23K 5/08
G09F 9/302	(47) 07.10.2020	(11) EP2971962
G09F 19/22	(87) EP2009057629	(21) EP14724203.6
(11) EP3091528	23.12.2009	
(21) EP15166326.7	(22) 18.06.2009	
(47) 07.10.2020	(54) METHOD AND DEVICE FOR THE DETECTION AND/OR MEASUREMENT OF FOULING IN HEAT EXCHANGERS	
	(73) Electricité de France	

(47) 07.10.2020	(47) 07.10.2020	(11) EP3270075
(87) US2014027172 25.09.2014	(22) 13.12.2016	(21) EP17180438.8
(22) 14.03.2014	(54) COMBUSTOR CAP MODULE, RETENTION SYSTEM THEREFORE AND METHOD OF PRODUCING THE CAP MODULE	(47) 07.10.2020
(54) PROCESS FOR HANDLING HEAVY OIL RESIDUE	(73) General Electric Company	(22) 10.07.2017
(73) Saudi Arabian Oil Company	(72) DAVIS III, Charles Lewis	(54) GAS-FIRED WATER HEATER WITH EXTERNAL PUMP FOR REGULATING TEMPERATURE OF OUTLET WATER
(72) NIASS, Tidjani	(72) SIMMONS, Scott Robert	(73) Vaillant GmbH
YOUNES, Mourad, Victor	FELLING, David Kenton	Vaillant (Wuxi) Heating Equipment Co., Ltd.
(31) 201361799077 P	(31) 201562270188 P	Vaillant Group (China) Heating, Cooling and Environmental Technology Co. Ltd.
(32) 15.03.2013	201615359044	(72) Gai, Xinfeng
(33) United States of America	(32) 21.12.2015	Miao, Yan
(51) F23L 3/00	22.11.2016	(31) 201610584919
F23N 5/22	(33) United States of America	(32) 13.07.2016
(11) EP2843311	United States of America	(33) China
(21) EP13181823.9	(51) F24C 3/12	(51) F24D 19/10
(47) 07.10.2020	F24C 7/08	G05D 23/19
(22) 27.08.2013	F24C 15/00	(11) EP3001273
(54) A burning stove or fireplace comprising a device for controlling the supply of combustion air to a combustion chamber	(11) EP3346191	(21) EP15183002.3
(73) Aduro A/S	(21) EP18152931.4	(47) 07.10.2020
(72) Skovbo, Christian	(47) 07.10.2020	(22) 28.08.2015
(51) F23M 20/00	(22) 15.06.2010	(54) DEVICE FOR REGULATING TEMPERATURE AND FOR ALLOCATING CONSUMPTION OF A HEATING ELEMENT
(11) EP2816289	(54) COOKER	(73) I.V.A.R. S.P.A.
(21) EP13169241.0	(73) LG Electronics Inc.	(72) BERLOTTI, Umberto
(47) 07.10.2020	(72) YOON, Yoo-Sool	(31) BS20140173
(22) 24.05.2013	LIM, Jeong-Hyun	(32) 23.09.2014
(54) Damper for gas turbine	LEE, Koon-Seok	(33) Italy
(73) Ansaldo Energia IP UK Limited	(31) 20090053050	(51) F24F 1/06
(72) Bothien, Mirko Ruben	(32) 15.06.2009	F24F 1/24
Noiray, Nicolas	(33) Korea (Republic)	F24F 13/20
Schuermans, Bruno	(51) F24C 7/08	(11) EP3091297
(51) F23R 3/06	(11) EP3477206	(21) EP15785655.0
F23R 3/34	(21) EP18189157.3	(47) 07.10.2020
(11) EP3447386	(47) 07.10.2020	(87) KR2015001325
(21) EP18190604.1	(22) 15.08.2018	05.11.2015
(47) 07.10.2020	(54) COOKING APPLIANCE WITH A USER INTERFACE	(22) 10.02.2015
(22) 24.08.2018	(73) Whirlpool Corporation	(54) OUTDOOR UNIT OF AIR CONDITIONER, COOLING UNIT APPLIED THERETO, AND METHOD FOR MANUFACTURING COOLING UNIT
(54) AXIALLY STAGED RICH QUENCH LEAN COMBUSTION SYSTEM	(72) Abdo, Joshua G.	(73) Samsung Electronics Co., Ltd.
(73) Honeywell International Inc.	Bruno, Ariana M.	(72) CHOI, Kwang Ho
(72) DUDEBOUT, Rodolphe	Ebrom, Matthew P.	CHAE, Wang Byung
JAMES, Sunil	Giacomini, Neomar	KOO, Hyung Mo
(31) 201715686533	Gilmore, Donald J.	KIM, Kyung Hoon
(32) 25.08.2017	(31) 201715795641	PARK, Kyu Sang
(33) United States of America	(32) 27.10.2017	PARK, Hyun Woo
(51) F23R 3/14	(33) United States of America	HONG, Seung Ho
F23R 3/28	(51) F24C 7/08	(31) 20140052780
(11) EP3141818	F24C 14/00	20140149754
(21) EP16185291.8	(11) EP3189279	20150014959
(47) 07.10.2020	(21) EP15754197.0	(32) 30.04.2014
(22) 23.08.2016	(47) 07.10.2020	31.10.2014
(54) COOLING APPARATUS FOR A FUEL INJECTOR	(87) EP2015069266	30.01.2015
(73) Rolls-Royce plc	10.03.2016	(33) Korea (Republic)
(72) Witham, Frederic	(22) 21.08.2015	Korea (Republic)
Hilt, Pierre	(54) OPERATING A FOOD TREATMENT DEVICE AND FOOD TREATMENT DEVICE	Korea (Republic)
Jones, Steven	(73) BSH Hausgeräte GmbH	(51) F24F 1/16
Gregory, Jonathan	(72) BÄCKER, Anna	F24F 3/00
Minchin, Timothy	MEHLERT, Janina	F25B 13/00
(31) 201515883	RANZENBERGER, Barbara	F25B 25/00
(32) 08.09.2015	(31) 102014217636	(11) EP3368831
(33) United Kingdom	(32) 03.09.2014	
(51) F23R 3/28	(33) Germany	
(11) EP3184902	(51) F24D 17/00	
(21) EP16203745.1	F24D 19/10	
	F24H 9/12	

(21) EP16802136.8	F24F 6/00	(54) AIR CONDITIONING AND VENTILATION SYSTEM
(47) 07.10.2020	F24F 6/14	(73) Mitsubishi Electric Corporation
(87) IB2016056366	F24F 6/16	(72) TOYOSHIMA, Masaki
04.05.2017	F24F 13/20	TAKEDA, Emi
(22) 24.10.2016	F24F 11/00	ITO, Shinichi
(54) HEAT PUMP	(11) EP3165842	YOSHIKAWA, Toshiaki
(73) Innovida Swiss Technology S.A.	(21) EP16196436.6	HIRASAWA, Haruyuki
(72) CONTI, Francesco	(47) 07.10.2020	SHINNO, Atsushi
(31) UB20155349	(22) 28.10.2016	AOKI, Hiroki
(32) 26.10.2015	(54) AIR FRESHENER	
(33) Italy	(73) LG Electronics Inc.	(51) F24H 1/20
(51) F24F 1/20	(72) Jeon, Hooncheol	F24H 1/28
H02M 5/44	Kim, Taeyoon	F24H 1/34
H02M 1/42	Lee, Jongsu	F24H 1/36
H02M 7/5387	Park, Hyungho	F24H 9/00
F24F 11/00	Choi, Inho	F28D 7/16
F24F 11/30	Lee, Yanghwa	F28F 9/02
F24F 11/62	Choi, Jieun	(11) EP3136014
F24F 11/89	Lee, Kunyoung	(21) EP15782498.8
(11) EP3136006	Son, Sanghyuk	(47) 07.10.2020
(21) EP16186302.2	Lee, Kyounggho	(87) KR2015003962
(47) 07.10.2020	(31) 201562248463 P	29.10.2015
(22) 30.08.2016	201562252017 P	(22) 21.04.2015
(54) AIR CONDITIONER	20150156254	(54) HEAT EXCHANGER HAVING CIRCULATION GUIDE
(73) LG ELECTRONICS INC.	20150185846	(73) Choi, Young-Hwan
(72) SEO, Seokbae	20160037235	(72) Choi, Young-Hwan
KIM, Kwangman	20160037246	(31) 20140047842
YUN, Yongho	201662355118 P	(32) 22.04.2014
(31) 20150122850	20160083227	(33) Korea (Republic)
(32) 31.08.2015	20160113456	(51) F24H 8/00
(33) Korea (Republic)	(32) 30.10.2015	F24H 9/00
(51) F24F 3/06	06.11.2015	(11) EP3268675
F24F 5/00	07.11.2015	(21) EP16707068.9
F25B 1/00	24.12.2015	(47) 07.10.2020
F25B 13/00	28.03.2016	(87) EP2016053914
F25B 25/00	28.03.2016	15.09.2016
F25B 47/02	27.06.2016	(22) 25.02.2016
F25B 49/02	01.07.2016	(54) CONNECTION FOR A CONDENSATE OUTFLOW OF A HEATING DEVICE
(11) EP2960602	02.09.2016	(73) Robert Bosch GmbH
(21) EP13875678.8	(33) United States of America	(72) FISCHER, Ralf
(47) 07.10.2020	United States of America	CANTUERK, Yildirim
(87) JP2013054788	Korea (Republic)	SAUER, Alexander
28.08.2014	Korea (Republic)	WIELAND, Bernd
(22) 25.02.2013	Korea (Republic)	OEHRLEIN, Manfred
(54) AIR CONDITIONER	Korea (Republic)	RAMKUMAR, Shivakumar
(73) Mitsubishi Electric Corporation	United States of America	(31) 102015204187
(72) MOTOMURA, Yuji	Korea (Republic)	102015204297
SHIMAMOTO, Daisuke	Korea (Republic)	102015216688
HONDA, Takayoshi	(51) F24F 11/00	(32) 09.03.2015
MORIMOTO, Osamu	(11) EP2660528	10.03.2015
NISHIOKA, Koji	(21) EP13164336.3	01.09.2015
ONO, Tatsuo	(47) 07.10.2020	(33) Germany
(51) F24F 3/14	(22) 18.04.2013	Germany
F24F 6/12	(54) Air conditioner and method for controlling the same	Germany
F24F 7/007	(73) LG Electronics Inc.	(51) F24V 99/00
F24F 13/06	(72) Cha, Byoungkeun	(11) EP3299745
(11) EP3604962	(31) 20120041075	(21) EP17186551.2
(21) EP19186095.6	(32) 19.04.2012	(47) 07.10.2020
(47) 07.10.2020	(33) Korea (Republic)	(22) 17.08.2017
(22) 12.07.2019	(51) F24F 11/00	(54) DEVICE FOR HEATING BY BIOMASS FERMENTATION
(54) HUMIDIFICATION AND EVAPORATIVE-COOLING VENTILATION SYSTEM	(11) EP3141831	(73) Laraki, Mohamed
(73) Aeris Group Holding S.r.l.	(21) EP14891385.8	(72) Laraki, Mohamed
(72) NANI, Eros	(47) 07.10.2020	(31) 1659117
(31) 201800007680	(87) JP2014062527	(32) 27.09.2016
(32) 31.07.2018	12.11.2015	(33) France
(33) Italy	(22) 09.05.2014	
(51) F24F 3/16		

(51) F25B 1/00 F25B 1/10 F25B 7/00	(22) 01.07.2015	United States of America
(11) EP2886976	(54) HEAT RECOVERY SYSTEM WITH LIQUID SEPARATOR APPLICATION AND A METHOD OF FLUID FLOW THROUGH A FLUID CIRCUIT DURING BOTH A COOLING AND A HEAT RECOVERY MODE	(51) F25B 41/00 (11) EP3040650 (21) EP15202264.6 (47) 07.10.2020 (22) 23.12.2015 (54) EJECTOR FOR A COOLING APPARATUS
(21) EP12883244.1 (47) 07.10.2020 (87) JP2012070969 27.02.2014	(73) Trane Air Conditioning Systems (China) Co. Ltd.	(73) Samsung Electronics Co., Ltd. Korea University Research and Business Foundation
(22) 20.08.2012	Trane International Inc.	(72) Jeong, Hee Moon Hong, Yong Taek Kim, Seok Uk Kil, Seong Ho Kim, Bo Heum KIM, Yong Chan Lee, Jae Jun Jeon, Yong Seok
(54) REFRIGERATING DEVICE	(72) DU, Yu Qing	(31) 20140192808 (32) 30.12.2014 (33) Korea (Republic)
(73) Mitsubishi Electric Corporation	(51) F25B 13/00 F25B 49/00	(51) F25B 49/02 (11) EP3415842 (21) EP18177342.5 (47) 07.10.2020 (22) 12.06.2018
(72) SUGIMOTO, Takeshi NOMOTO, So ISHIKAWA, Tomotaka IKEDA, Takashi	(11) EP3026371 (21) EP15194356.0 (47) 07.10.2020 (22) 12.11.2015	(54) COMPRESSOR CONTROL FOR INCREASED EFFICIENCY
(51) F25B 1/00 F25B 13/00 F25B 40/00	(54) REFRIGERATION CYCLE APPARATUS	(73) Trane International Inc.
(11) EP3098540	(73) Mitsubishi Electric Corporation	(72) JOHNSON, Jay H. SCALA, Alberto
(21) EP14879730.1 (47) 07.10.2020 (87) JP2014051429 30.07.2015	(72) TOMITA, Masafumi OKADA, Kazuki AOKI, Masanori	(31) 201715620516 (32) 12.06.2017 (33) United States of America
(22) 23.01.2014	(31) 2014236744 (32) 21.11.2014 (33) Japan	(51) F25D 17/04 F25D 17/06
(54) HEAT PUMP APPARATUS	(51) F25B 21/02 F25D 31/00	(11) EP3336460 (21) EP16847843.6 (47) 07.10.2020 (87) CN2016085342 30.03.2017
(73) Mitsubishi Electric Corporation	(11) EP3538825 (21) EP18711776.7 (47) 07.10.2020	(22) 08.06.2016
(72) OKAZAKI, Takashi	(87) US2018020760 07.09.2018	(54) REFRIGERATOR
(51) F25B 1/10 F25B 41/04	(22) 02.03.2018	(73) Qingdao Haier Joint Stock Co., Ltd
(11) EP2988074	(54) MODULARIZED BEVERAGE HOLDER FOR ACTIVELY COOLING BEVERAGES AND METHOD FOR PERFORMING THE SAME	(72) FEI, Bin CHENG, Xueli JI, Xuan LIU, Jinlin
(21) EP15176193.9 (47) 07.10.2020 (22) 10.07.2015	(73) Legacy US, LLC	(31) 201510617528 (32) 24.09.2015 (33) China
(54) AIR CONDITIONER	(72) DALTON, Jeffrey Travis REEVES, Kim Marie HARRIS, Brian Steven	(51) F25D 17/06 (11) EP3469276 (21) EP17730092.8 (47) 07.10.2020 (87) EP2017063703 14.12.2017
(73) LG Electronics Inc.	(31) 201762466861 P (32) 03.03.2017	(22) 06.06.2017
(72) KO, Younghwan KIM, Byeongsu KIM, Beomchan	(33) United States of America	(54) A REFRIGERATOR COMPRISING A FAN ASSEMBLY
(31) 20140105907 (32) 14.08.2014 (33) Korea (Republic)	(51) F25B 25/00 F25B 41/00 F25B 49/02	(73) Arçelik Anonim Sirketi (72) ORSALIR, Ozkan OZSACMACI, Yigit GENC, Ali Gokhan OZPEDAL, Husnu
(51) F25B 5/04 F25B 6/04 F25B 13/00 F25B 30/00 F25B 30/02 F25B 47/00	(11) EP3308085 (21) EP16730214.0 (47) 07.10.2020 (87) US2016036808 15.12.2016	(31) 201607826 (32) 09.06.2016
(11) EP2865967	(22) 10.06.2016	
(21) EP14190024.1 (47) 07.10.2020 (22) 23.10.2014	(54) COOLING SYSTEM WITH DIRECT EXPANSION AND PUMPED REFRIGERANT ECONOMIZATION COOLING	
(54) Heat pump	(73) Vertiv Corporation	
(73) LG ELECTRONICS INC.	(72) LIN, Zhiyong MADARA, Steven DOLCICH, Benedict J. SILLATO, Stephen SCHUTTE, Daniel J.	
(72) Jin, Geunho Seo, Kiwon Ha, Jongchul Park, Minsu	(31) 201562173641 P 201615176559	
(31) 20130126750 (32) 23.10.2013 (33) Korea (Republic)	(32) 10.06.2015 08.06.2016	
(51) F25B 6/04 F25B 29/00 F25B 40/02	(33) United States of America	
(11) EP3317592		
(21) EP15896810.7 (47) 07.10.2020 (87) CN2015083065 05.01.2017		

(33) Turkey	(73) Binder GmbH	(54) INDUCTION CRUCIBLE FURNACE AND
(51) F25D 17/06	(72) Binder, Peter M.	MAGNETIC YOKE THEREFOR
(11) EP3450888	(31) 202018103236 U	(73) ABP Induction Systems GmbH
(21) EP18190884.9	(32) 08.06.2018	(72) SCHREITER, Till
(47) 07.10.2020	(33) Germany	WALTHER, Axel
(22) 27.08.2018	(51) F25D 29/00	(31) 102015011433
(54) CABINET FOR STORING WINE WITH	(11) EP3372933	102015015337
TWO COMPARTMENTS	(21) EP16861367.7	(32) 01.09.2015
(73) Liebherr-Hausgeräte Lienz GmbH	(47) 07.10.2020	26.11.2015
(72) Thaler, Walter	(87) CN2016095268	(33) Germany
(31) 102017119694	11.05.2017	Germany
102017128134	(22) 15.08.2016	(51) F27D 1/14
(32) 28.08.2017	(54) REFRIGERATOR CONTROL METHOD	(11) EP3405730
28.11.2017	AND CONTROL SYSTEM USING A	(21) EP16819021.3
(33) Germany	LINEAR COMPRESSOR	(47) 07.10.2020
Germany	(73) Qingdao Haier Joint Stock Co., Ltd	(87) EP2016080460
(51) F25D 17/06	(72) Qi, Feifei	27.07.2017
F25D 29/00	ZHU, Xiaobing	(22) 09.12.2016
(11) EP2059739	LIU, Jianru	(54) REFRACTORY ANCHOR FOR A
(21) EP07788276.9	Ji, Lisheng	FURNACE REFRACTORY TILE
(47) 07.10.2020	ZHANG, Shufeng	(73) Tata Steel Nederland Technology B.V.
(87) EP2007058173	(31) 201510746662	(72) BEUKEMA, Florus Hermanus
06.03.2008	(32) 05.11.2015	VAN BEURDEN, Paulus
(22) 07.08.2007	(33) China	(31) PCT/EP2016/152404
(54) REFRIGERATOR WITH FORCED-	(51) F25J 3/04	(32) 22.01.2016
VENTILATION EVAPORATOR	(11) EP3060864	(33) World Intellectual Property Office (WIPO)
(73) BSH Hausgeräte GmbH	(21) EP13896097.6	(51) F28D 7/00
(72) IHLE, Hans	(47) 07.10.2020	F28D 7/06
(31) 102006040370	(87) CN2013085754	F28D 7/16
(32) 29.08.2006	30.04.2015	F28F 9/00
(33) Germany	(22) 23.10.2013	F28F 9/02
(51) F25D 21/00	(54) OXYGEN BACKUP METHOD AND	F28F 9/22
(11) EP2743615	SYSTEM	(11) EP3287729
(21) EP12197310.1	(73) Praxair Technology, Inc.	(21) EP16185637.2
(47) 07.10.2020	(72) PARSNICK, David	(47) 07.10.2020
(22) 14.12.2012	MEAGHER, James P.	(22) 25.08.2016
(54) Method for controlling the defrost of an	BILLINGHAM, John F.	(54) LIQUID-TO-GAS SHELL HEAT
evaporator in a refrigeration appliance	PAOLINO, Gerald A.	EXCHANGER
(73) WHIRLPOOL CORPORATION	(51) F27B 5/10	(73) Doosan Skoda Power S.r.o.
(72) Guatta, Davide	F27B 5/18	(72) Zoldak, Michal
Del Bello, Francesco	F27B 9/08	Komorous, Daniel
Paganini, Raffaele	F27D 21/04	(51) F28D 9/00
Sicher, Paolo	(11) EP3004769	F28D 21/00
D'Auria, Mariagrazia	(21) EP14724447.9	F28F 3/04
(51) F25D 21/04	(47) 07.10.2020	(11) EP3372938
F25D 23/02	(87) EP2014059989	(21) EP17160261.8
F25D 23/08	04.12.2014	(47) 07.10.2020
(11) EP2639534	(22) 15.05.2014	(22) 10.03.2017
(21) EP13159689.2	(54) FURNACE MUFFLE FOR AN	(54) PLATE PACKAGE USING A HEAT
(47) 07.10.2020	ANNEALING FURNACE	EXCHANGER PLATE WITH
(22) 18.03.2013	(73) Sandvik Materials Technology	INTEGRATED DRAINING CHANNEL
(54) Heated rotating mullion bar and	Deutschland GmbH	AND A HEAT EXCHANGER INCLUDING
refrigerator comprising said bar.	(72) FROBÖSE, Thomas	SUCH PLATE PACKAGE
(73) Samsung Electronics Co., Ltd	(31) 102013105628	(73) Alfa Laval Corporate AB
(72) Kim, Sung Mo	(32) 31.05.2013	(72) SKOGLÖSA, Anders
Lee, Jee Hoon	(33) Germany	CHRISTENSEN, Rolf
Oh, Jong Hoon	(51) F27B 14/06	(51) F28D 15/02
(31) 20120027185	F27B 14/08	F28F 13/00
(32) 16.03.2012	F27B 14/10	G01K 15/00
(33) Korea (Republic)	H05B 6/24	(11) EP3441709
(51) F25D 23/02	H05B 6/36	(21) EP18188160.8
F25D 29/00	(11) EP3345453	(47) 07.10.2020
(11) EP3578907	(21) EP16790512.4	(22) 09.08.2018
(21) EP19151094.0	(47) 07.10.2020	(54) TEMPERATURE CALIBRATION
(47) 07.10.2020	(87) DE2016000301	SYSTEM WITH A CLOSED FLUIDIC
(22) 10.01.2019	09.03.2017	SYSTEM
(54) CASING FOR A SIMULATION CABINET	(22) 02.08.2016	(73) Fluke Corporation
		(72) Hirst, Michael

(31) 201715674347	(11) EP3610217	(54) NOISE REDUCING DEVICE FOR A
(32) 10.08.2017	(21) EP18822688.0	FIREARM
(33) United States of America	(47) 07.10.2020	(73) Deltafluid
(51) F28D 15/02	(87) TR2018050131	(72) MARAUX, Christophe
H01L 23/427	03.01.2019	(31) 1771252
(11) EP3428565	(22) 02.04.2018	(32) 23.11.2017
(21) EP18182038.2	(54) HEAT EXCHANGER WITH ENHANCED	(33) France
(47) 07.10.2020	HEAT TRANSFER SURFACES	(51) F41G 1/36
(22) 05.07.2018	(73) Sabanci Üniversitesi	G01J 5/00
(54) LOOP HEAT PIPE AND METHOD OF	(72) KOSAR, Ali	G01J 5/04
MANUFACTURING LOOP HEAT PIPE	GÖZÜACIK, Devrim	G01J 5/08
(73) SHINKO ELECTRIC INDUSTRIES CO.,	KHALILI SADAGHIANI, Abdolali	G02B 23/10
LTD.	AKKOC, Yunus	G02B 25/00
(72) KURASHIMA, Nobuyuki	MOTEZAKKER, Ahmad Reza	G02B 26/08
(31) 2017136150	(31) 201705596	H04N 5/33
(32) 12.07.2017	(32) 14.04.2017	(11) EP3172524
(33) Japan	(33) Turkey	(21) EP15825069.6
(51) F28D 15/06	(51) F41A 5/00	(47) 07.10.2020
G01K 3/00	F41A 19/06	(87) US2015041517
G01K 3/10	F41A 35/00	28.01.2016
G01K 7/42	(11) EP3180579	(22) 22.07.2015
H05K 7/20	(21) EP15831348.6	(54) COMBINATION VIDEO AND OPTICAL
F24F 11/72	(47) 07.10.2020	SIGHT
F24F 110/10	(87) US2015044642	(73) N2 Imaging Systems, LLC
(11) EP2938956	18.02.2016	(72) MASARIK, David Michael
(21) EP12891200.3	(22) 11.08.2015	VALLIANOS, Peter Denis
(47) 07.10.2020	(54) FIREARM SYSTEM	(31) 201462027697 P
(87) US2012071910	(73) WHG Properties, LLC	(32) 22.07.2014
03.07.2014	(72) BARRETT, Ronnie	(33) United States of America
(22) 28.12.2012	BARRETT, Christopher Gene	(51) F41G 7/00
(54) METHOD FOR AIR FLOW FAULT AND	(31) 201462036096 P	H01Q 15/16
CAUSE IDENTIFICATION	201462062141 P	H01Q 19/13
(73) Schneider Electric IT Corporation	201462062143 P	H01Q 5/22
(72) BUDDE, Kristian	(32) 11.08.2014	(11) EP3284137
(51) F28F 1/38	09.10.2014	(21) EP16727046.1
(11) EP2670542	09.10.2014	(47) 07.10.2020
(21) EP12741477.9	(33) United States of America	(87) US2016033032
(47) 07.10.2020	United States of America	02.02.2017
(87) US2012023109	United States of America	(22) 18.05.2016
09.08.2012	(51) F41A 9/66	(54) DUAL MODE OPTICAL AND RF
(22) 30.01.2012	F41A 9/83	REFLECTOR
(54) METHOD OF FABRICATING A	F41B 4/00	(73) Raytheon Company
DOUBLE-NOSED TUBE FOR A HEAT	(11) EP3450902	(72) CRAWFORD, John, O.
EXCHANGER	(21) EP18191106.6	COOK, David, C.
(73) MAHLE International GmbH	(47) 07.10.2020	MCCARTHY, Patrick, L.
(72) KUNZ, Marcin	(22) 28.08.2018	(31) 201514813635
ZYWICA, Lukasz	(54) RAPID FIRE TOY LAUNCH	(32) 30.07.2015
(31) 201161437781 P	APPARATUS	(33) United States of America
(32) 31.01.2011	(73) Hasbro, Inc.	(51) F42B 12/20
(33) United States of America	(72) Falkowski II, John Michael	F42B 33/02
(51) F28F 13/00	Lallier, John Paul	F42B 35/00
G01K 15/00	King, Daniel P.	(11) EP3084342
(11) EP3438597	Victor, Robert James	(21) EP14821086.7
(21) EP18187206.0	Miller, Christopher David	(47) 07.10.2020
(47) 07.10.2020	Yuan, Angela	(87) EP2014077114
(22) 03.08.2018	(31) 201762551693 P	25.06.2015
(54) TEMPERATURE CALIBRATION	201816105546	(22) 10.12.2014
SYSTEM WITH SEPARABLE COOLING	(32) 29.08.2017	(54) WARHEAD AND EXPLOSIVE CHARGE
ASSEMBLY	20.08.2018	MODULE FOR SUCH A WARHEAD
(73) Fluke Corporation	(33) United States of America	(73) Rheinmetall Waffe Munition GmbH
(72) FARLEY, David	United States of America	(72) AUMUND-KOPP, Ralf
(31) 201715668407	(51) F41A 21/30	(31) 102013021030
(32) 03.08.2017	F41A 21/36	(32) 17.12.2013
(33) United States of America	(11) EP3489613	(33) Germany
(51) F28F 13/18	(21) EP18207988.9	(51) G01B 3/12
F28F 99/00	(47) 07.10.2020	G01B 3/10
C09D 7/63	(22) 23.11.2018	G01B 3/1041
		G01B 3/1043

G01B 3/1061	G01B 9/04	(22) 31.05.2016
(11) EP3318835	G01B 11/02	(54) INTRAORAL 3D SCANNER WITH FLUID SEGMENTATION
(21) EP17801587.1	G01B 21/04	(73) Carestream Dental Technology Topco Limited
(47) 07.10.2020	G02B 21/00	(72) WONG, Victor C.
(87) KR2017008962	G02B 21/24	FAN, Chuanmao
22.03.2018	(11) EP3101385	GUAN, Yiyi
(22) 17.08.2017	(21) EP16163678.2	INGLESE, Jean-Marc
(54) LENGTH MEASUREMENT DEVICE AND CONTROL METHOD THEREFOR	(47) 07.10.2020	SHELLARD, Edward R.
(73) Bagel Labs Co., Ltd.	(22) 04.04.2016	<hr/>
(72) PARK, Soo-Hong	(54) DEVICE AND METHOD FOR DETECTING SURFACE TOPOGRAPHIES	(51) G01B 9/02
HAM, Sung Seek	(73) Carl Zeiss Microscopy GmbH	G01L 1/24
SON, Min Ki	(72) LIPPERT, Helmut, Dr.	G01L 11/02
(31) 20160118333	LANGHOLZ, Nils, Dr.	G01N 21/45
20170103239	KALKBRENNER, Thomas, Dr.	G01V 1/38
(32) 13.09.2016	WOLLESCHEMSKY, Ralf	G02B 6/293
14.08.2017	REISCHER, Franz, Dr.	(11) EP3234533
(33) Korea (Republic)	(31) 102015108912	(21) EP15870666.3
Korea (Republic)	(32) 05.06.2015	(47) 07.10.2020
<hr/>	(33) Germany	(87) US2015063680
(51) G01B 5/012	(51) G01B 7/02	23.06.2016
(11) EP2795239	G01D 5/14	(22) 03.12.2015
(21) EP12812906.1	G01D 21/02	(54) PRESSURE INSENSITIVE INTERFEROMETER
(47) 07.10.2020	(11) EP3423791	(73) Geospace Technologies Corporation
(87) EP2012075275	(21) EP17713507.6	(72) WOMACK, Willard
27.06.2013	(47) 07.10.2020	(31) 201462093187 P
(22) 12.12.2012	(87) US2017020067	(32) 17.12.2014
(54) COMPACT 3D-SCANNER	21.09.2017	(33) United States of America
(73) Tschorn GmbH	(22) 01.03.2017	<hr/>
(72) TSCHORN, Ralf	(54) ASSEMBLY USING A MAGNETIC FIELD SENSOR FOR DETECTING A ROTATION AND A LINEAR MOVEMENT OF AN OBJECT	(51) G01B 11/00
(31) 102011056736	(73) Allegro MicroSystems, LLC	G06T 1/00
(32) 21.12.2011	(72) KRANZ, Stefan	(11) EP2667145
(33) Germany	SCHURT, Stephan	(21) EP11860953.6
<hr/>	FRIEDRICH, Andreas, P.	(47) 07.10.2020
(51) G01B 5/012	VUILLERMET, Yannick	(87) JP2011056775
G01B 11/00	(31) 201615074358	20.09.2012
G01B 11/02	(32) 18.03.2016	(22) 22.03.2011
(11) EP2623926	(33) United States of America	(54) IMAGE PROCESSING DEVICE, AND IMAGE PROCESSING PROGRAM
(21) EP13166136.5	(51) G01B 7/06	(73) Omron Corporation
(47) 07.10.2020	G01N 17/02	(72) FUJIKAWA, Masahiro
(22) 15.10.2009	G01N 27/82	SHIMADA, Koji
(54) Articulating measuring arm with laser scanner	(11) EP3465192	SHIRANE, Kakuto
(73) Hexagon Metrology, Inc	(21) EP17842190.5	IKEDA, Yasuyuki
(72) Ferrari, Paul	(47) 07.10.2020	HAZEYAMA, Hiroyuki
(31) 106096 P	(87) US2017047546	SHIMODA, Katsuhiko
487535	22.02.2018	MORITOKI, Yoshihiro
(32) 16.10.2008	(22) 18.08.2017	(31) 2011056439
18.06.2009	(54) SYSTEM AND METHOD FOR DETECTING CORROSION OF A PIPE	(32) 15.03.2011
(33) United States of America	(73) Halliburton Energy Services, Inc.	(33) Japan
United States of America	(72) SAN MARTIN, Luis Emilio	<hr/>
<hr/>	KHALAJ AMINEH, Reza	(51) G01B 11/00
(51) G01B 5/016	FOUDA, Ahmed E.	G06T 3/40
G01B 7/012	(31) 201662377185 P	G06T 7/00
G01B 7/16	(32) 19.08.2016	(11) EP2793183
G01L 1/16	(33) United States of America	(21) EP12846316.3
(11) EP2633265	(51) G01B 9/02	(47) 07.10.2020
(21) EP11779128.5	G01B 17/06	(87) JP2012055689
(47) 07.10.2020	G06T 7/10	10.05.2013
(87) EP2011068658	(11) EP3465082	(22) 06.03.2012
03.05.2012	(21) EP16729710.0	(54) IMAGE PROCESSING DEVICE AND RECORDING MEDIUM FOR IMAGE PROCESSING PROGRAM
(22) 25.10.2011	(47) 07.10.2020	(73) Omron Corporation
(54) TOUCH PROBE WITH PIEZOELECTRIC SENSOR AND THERMAL INSULATION	(87) US2016034986	(72) FUJIKAWA, Masahiro
(73) Marposs Societa' Per Azioni	07.12.2017	SHIMADA, Koji
(72) DALL'AGLIO, Carlo		SHIRANE, Kakuto
GAMBINI, Antonio		(31) 2011238791
(31) BO20100653		(32) 31.10.2011
(32) 29.10.2010		
(33) Italy		
<hr/>		
(51) G01B 7/02		

(33) Japan	(73) GRG Banking Equipment Co., Ltd.	31.05.2010
(51) G01B 11/06	(72) LUO, Panfeng	(33) Korea (Republic)
G01B 21/08	WANG, Rongqiu	Korea (Republic)
G01N 25/18	XU, Chaoyang	(51) G01C 21/32
(11) EP2729759	LI, Ming	G08G 1/01
(21) EP12751358.8	(31) 201210191067	G08G 1/14
(47) 07.10.2020	(32) 11.06.2012	(11) EP3483555
(87) IB2012053422	(33) China	(21) EP18177781.4
10.01.2013	(51) G01B 21/24	(47) 07.10.2020
(22) 04.07.2012	G01H 1/00	(22) 14.06.2018
(54) APPARATUS AND METHOD FOR	(11) EP2381219	(54) MAPPING SYSTEM AND METHOD FOR
DETERMINING THE EFFECTIVE	(21) EP11163290.7	IDENTIFYING A PARKING LOT FROM
CEMENTATION OR NITRIDING DEPTH	(47) 07.10.2020	PROBE DATA
OF STEEL GEARS	(22) 20.04.2011	(73) HERE Global B.V.
(73) Ge Avio S.r.l.	(54) Axial vibration monitoring for detecting	(72) DORUM, Ole Henry
(72) MILLETARI, Salvatore	shaft misalignments in turbomachinery	(31) 201715622155
GIUNTA, Salvatore	trains	(32) 14.06.2017
(31) TO20110589	(73) General Electric Company	(33) United States of America
(32) 04.07.2011	(72) Arar, Malath Ibrahim	(51) G01C 21/34
(33) Italy	(31) 765974	G05D 1/00
(51) G01B 11/25	(32) 23.04.2010	G06Q 10/04
(11) EP2909575	(33) United States of America	G05D 1/02
(21) EP13760223.1	(51) G01C 11/04	(11) EP3292377
(47) 07.10.2020	G01C 15/00	(21) EP16726357.3
(87) US2013057602	(11) EP2923173	(47) 07.10.2020
24.04.2014	(21) EP13789137.0	(87) FR2016051039
(22) 30.08.2013	(47) 07.10.2020	10.11.2016
(54) SYSTEMS AND METHODS FOR	(87) US2013067115	(22) 03.05.2016
MARKING IMAGES FOR THREE-	30.05.2014	(54) METHOD, COMPUTER PROGRAM
DIMENSIONAL IMAGE GENERATION	(22) 28.10.2013	AND SYSTEM FOR CONTROLLING
(73) Google LLC	(54) INTEGRATED AERIAL	A MOVEMENT OF A MOVING
(72) FRANCIS, Anthony, Gerald, Jr.	PHOTOGRAMMETRY SURVEYS	AGENT WITHIN A NETWORKED
LEWIS, Thor	(73) Trimble Inc.	ENVIRONMENT
(31) 201261715363 P	Joyce, Kenneth R.	(73) Commissariat à l'Énergie Atomique et
201313958776	Brown, Troy L.	aux Énergies Alternatives
(32) 18.10.2012	(72) JOYCE, Kenneth R.	(72) MAYRAN DE CHAMISSO, Fabrice
05.08.2013	BROWN, Troy L.	AUPETIT, Michaël
(33) United States of America	(31) 201213685375	SOULIER, Laurent
United States of America	(32) 26.11.2012	(31) 1553991
(51) G01B 11/25	(33) United States of America	(32) 04.05.2015
G01N 21/88	(51) G01C 17/28	(33) France
(11) EP3593085	G01C 21/20	(51) G01C 23/00
(21) EP18732653.3	G01V 3/40	(11) EP3444570
(47) 07.10.2020	G06F 1/16	(21) EP18188367.9
(87) EP2018000272	H04M 1/725	(47) 07.10.2020
28.11.2019	H04W 64/00	(22) 09.08.2018
(22) 23.05.2018	H04W 88/02	(54) AIRCRAFT SYSTEMS AND METHODS
(54) MOBILE INSPECTION TUNNEL AND	H04W 4/02	FOR UNUSUAL ATTITUDE RECOVERY
CORRESPONDING INSTALLATION	(11) EP2578032	(73) Honeywell International Inc.
METHOD	(21) EP11790003.5	(72) HE, Gang
(73) TÜV Rheinland Schaden- und	(47) 07.10.2020	HARVEY, Jason F.
Wertgutachten GmbH	(87) KR2011003967	WYATT, Ivan Sandy
(72) SCHULTE, Michael	08.12.2011	FEYEREISEN, Thea L.
RÖCKERS, Christian	(22) 31.05.2011	(31) 201715679405
FRANKE, Rene	(54) APPARATUS AND METHOD FOR	(32) 17.08.2017
(51) G01B 21/04	RECOGNIZING ZONE IN PORTABLE	(33) United States of America
G01B 21/08	TERMINAL	(51) G01C 25/00
G07D 7/16	(73) Samsung Electronics Co., Ltd	H04N 5/232
G07D 7/164	(72) HAHM, Seong-II	(11) EP3379202
(11) EP2860708	CHO, Seong-Ho	(21) EP18160155.0
(21) EP13804529.9	LEE, Jin-Wook	(47) 07.10.2020
(47) 07.10.2020	YEON, Hun-Je	(22) 06.03.2018
(87) CN2013073549	KIM, Young-Ki	(54) A METHOD FOR DETERMINING BIAS
19.12.2013	KANG, Pil-Seob	IN AN INERTIAL MEASUREMENT UNIT
(22) 01.04.2013	KANG, Shin-II	OF AN IMAGE ACQUISITION DEVICE
(54) DEVICE FOR DETECTING THICKNESS	(31) 20110012486	(73) FotoNation Limited
OF SHEET-TYPE MEDIUM AND	20100050847	(72) STEC, Piotr
METHOD THEREOF	(32) 11.02.2011	(31) 201715468409

(32) 24.03.2017	TRAN, Sam	(22) 18.12.2015
(33) United States of America	SCHELLER, P. Karl	(54) SYSTEM AND METHOD FOR
(51) G01D 3/036	(31) 201514748692	INFERRING OR PROMPTING HVAC
(11) EP3410075	(32) 24.06.2015	ACTIONS BASED ON LARGE DATA
(21) EP17305621.9	(33) United States of America	STANDARD DEVIATION BASED
(47) 07.10.2020	(51) G01D 5/14	METRIC
(22) 30.05.2017	H02K 11/215	(73) Vertiv Corporation
(54) TEMPERATURE COMPENSATION FOR	(11) EP3400423	(72) VOIGT, Tyler
MAGNETIC FIELD SENSING DEVICES	(21) EP18717253.1	GLOECKNER, Michael Jason
AND A MAGNETIC FIELD SENSING	(47) 07.10.2020	(51) G01D 11/24
DEVICE USING THE SAME	(87) EP2018057801	G01J 1/02
(73) MEAS France	04.10.2018	G01J 1/42
TE Connectivity Sensors Germany	(22) 27.03.2018	G01J 5/04
GmbH	(54) SHIELDINGSYSTEM FOR MAGNETIC	G01L 9/00
(72) VOSS, Andreas	ROTATION SENSOR SYSTEM	G01L 13/02
BARTOS, Axel	(73) Fritz Kübler GmbH Zähl-und	G01L 19/06
GAYRARD, Fabien	Sensortechnik	H04R 17/00
CONDE, Victor	(72) GANSER, Christian	(11) EP3330689
(51) G01D 4/00	HINTZ, Fred	(21) EP17177436.7
G01D 5/20	BECKER, Philipp	(47) 07.10.2020
G01D 5/244	STEINER, Viktor	(22) 22.06.2017
(11) EP3408620	(31) 102017106479	(54) MULTI-DEVICE TRANSDUCER
(21) EP17701677.1	(32) 27.03.2017	MODULUS, ELECTRONIC APPARATUS
(47) 07.10.2020	(33) Germany	INCLUDING THE TRANSDUCER
(87) EP2017051285	(51) G01D 5/20	MODULUS AND METHOD FOR
03.08.2017	G01D 5/22	MANUFACTURING THE TRANSDUCER
(22) 23.01.2017	G01P 3/488	MODULUS
(54) METHOD OF COUNTING WHEEL	(11) EP1856484	(73) STMicroelectronics S.r.l.
REVOLUTIONS, CORRESPONDING	(21) EP06725987.9	(72) GHIDONI, Marco Omar
UTILITY COUNTER AND COMPUTER	(47) 07.10.2020	(31) 201600121210
PROGRAM, AS WELL AS STORAGE	(87) FR2006000425	(32) 30.11.2016
MEANS STORING SUCH A PROGRAM	14.09.2006	(33) Italy
(73) Sagemcom Energy & Telecom SAS	(22) 24.02.2006	(51) G01F 1/32
(72) TEBoulLE, Henri	(54) ANGULAR POSITION INDUCTIVE	G01F 1/66
(31) 1650571	SENSOR	G01F 1/704
(32) 25.01.2016	(73) DIEHL METERING SAS	G01N 33/28
(33) France	(72) BACH, Guy	(11) EP3211387
(51) G01D 5/14	DOCKWILLER, Bernard	(21) EP17156890.0
G01D 5/244	(31) 0502241	(47) 07.10.2020
(11) EP3543657	(32) 07.03.2005	(22) 20.02.2017
(21) EP18210600.5	(33) France	(54) MEASURING ROD FOR THE
(47) 07.10.2020	(51) G01D 5/24	DETECTION OF A FLOWING MEDIUM
(22) 05.12.2018	G01M 1/04	IN A TUBE AND RELATED MEASURING
(54) SENSOR SYSTEM COMPRISING A	G01M 1/06	ASSEMBLY
MULTIPOLE MAGNET	H02K 15/16	(73) Krohne Messtechnik GmbH
(73) Melexis Technologies SA	H03K 17/955	(72) Drenthen, Jan
(72) BIDAUX, Yves	(11) EP3438632	Deilmann, Michael
DEPOORTER, Jean-Claude	(21) EP18186949.6	Vogt, Michael
BURSSSENS, Jan-Willem	(47) 07.10.2020	Musch, Thomas
(31) 18163815	(22) 02.08.2018	Neuburger, Stephan
(32) 24.03.2018	(54) BALANCING MACHINE AND A DRIVE	(31) 102016103419
(33) European Patent Office (EPO)	DEVICE FOR A BALANCING MACHINE	(32) 26.02.2016
(51) G01D 5/14	(73) Schenck RoTec GmbH	(33) Germany
G01R 19/165	(72) Hof, Nicole	(51) G01F 1/66
G01R 31/28	Koch, Paul	G01F 15/00
G01R 33/02	(31) 102017007328	(11) EP2565593
G01R 31/40	(32) 04.08.2017	(21) EP12005751.8
(11) EP3300515	(33) Germany	(47) 07.10.2020
(21) EP16734784.8	(51) G01D 7/00	(22) 08.08.2012
(47) 07.10.2020	G01D 7/08	(54) Ultrasound meter
(87) US2016037560	G01K 1/02	(73) Diehl Metering GmbH
29.12.2016	G01K 1/04	(72) Göttler, Sandra
(22) 15.06.2016	G05D 23/19	Hofmann, Tino
(54) METHODS AND APPARATUS	(11) EP3390972	Kroemer, Harald
FOR MONITORING A LEVEL OF A	(21) EP15826097.6	(31) 10201112028
REGULATED SOURCE	(47) 07.10.2020	(32) 31.08.2011
(73) Allegro MicroSystems, LLC	(87) US2015066814	(33) Germany
(72) TOWNE, Jay, M.	22.06.2017	(51) G01F 1/66

G01F 15/00	(54) MOTOR VEHICLE AND METHOD FOR DETERMINING A WHEEL CONTACT FORCE FOR EACH WHEEL OF A MOTOR VEHICLE	(72) STEENBERG, Thomas
G01F 15/14		BOJE, Peter
(11) EP1983311		SZABO, Peter
(21) EP08103536.2	(73) Schaeffler Technologies GmbH & Co. KG	TCHERNAYA, Yulia
(47) 07.10.2020	(72) Drescher, Thomas	VOLHA, Belarusava
(22) 15.04.2008	Brehm, Horst	PEDERSEN, JAM, Thomas
(54) A Consumption Meter with Embedded Components	(31) 102015217916	(31) 201500492
(73) KAMSTRUP A/S	(32) 18.09.2015	(32) 23.08.2015
(72) Drachmann, Jens	(33) Germany	(33) Denmark
(31) 200700560	(51) G01G 23/00	(51) G01J 5/02
(32) 17.04.2007	G01G 23/08	G01J 5/04
(33) Denmark	(11) EP3519782	G01J 5/06
(51) G01F 1/684	(21) EP17739876.5	G01J 5/08
G01F 1/692	(47) 07.10.2020	G01J 5/20
G01F 1/696	(87) EP2017000849	H01L 27/146
G01F 1/74	05.04.2018	(11) EP3243052
G01N 33/00	(22) 14.07.2017	(21) EP16703384.4
(11) EP3029429	(54) USE OF A HYDRAULIC SHOCK ABSORBER AND LABORATORY DEVICE	(47) 07.10.2020
(21) EP14196314.0	(73) Sartorius Lab Instruments GmbH & Co. KG	(87) US2016012760
(47) 07.10.2020	(72) GRAF, Winfried	14.07.2016
(22) 04.12.2014	STÄNDER, Malte	(2) 08.01.2016
(54) Determination of fluid composition in a mass flow controller	(31) 102016118184	(54) DEVICES AND METHODS FOR INFRARED REFERENCE PIXELS
(73) Sensirion AG	(32) 27.09.2016	(73) Flir Systems, Inc.
(72) Hornung, Mark	(33) Germany	(72) HOWARD, David
Huber, Thomas	(51) G01J 1/42	ROSE, Jefferson
Fürst, Remo	H04W 64/00	DEBAR, Michael
(51) G01F 1/696	H05B 47/19	KURTH, Eric A.
G01K 7/20	(11) EP3351055	CHAN, Chris
G01K 7/24	(21) EP16760011.3	PETERS, Kevin
(11) EP2887028	(47) 07.10.2020	FRANKLIN, Patrick
(21) EP14192656.8	(87) EP2016069976	CANNATA, Robert F.
(47) 07.10.2020	23.03.2017	DALE, James L.
(22) 11.11.2014	(22) 24.08.2016	MARX, Tommy
(54) Circuitry for temperature monitoring	(54) SYSTEMS AND METHODS FOR AUTOMATIC LIGHTING FIXTURE LOCATION MAPPING	(31) 201562100900 P
(73) Krohne Messtechnik GmbH	(73) Signify Holding B.V.	(32) 08.01.2015
(72) Lehmkuhl, Jürgen	(72) HU, Jia	(33) United States of America
Kube, Jörg	PATEL, Maulin, Dahyabhai	(51) G01K 1/14
(31) 102013021305	(31) 201562220515 P	H01B 17/00
(32) 19.12.2013	(32) 18.09.2015	(11) EP3521786
(33) Germany	(33) United States of America	(21) EP18154327.3
(51) G01F 23/296	(51) G01J 3/02	(47) 07.10.2020
G01F 25/00	G01J 3/443	(22) 31.01.2018
G01R 33/18	G01N 21/64	(54) WOUND ELECTRICAL COMPONENT WITH PRINTED ELECTRONICS SENSOR
H01L 41/06	G01N 21/71	(73) ABB Schweiz AG
H01L 41/12	G21C 1/02	(72) MAXWELL, Andrew
(11) EP3177938	G21C 1/03	FORSSSEN, Cecilia
(21) EP15829177.3	G21C 1/30	SCHIESSLING, Joachim
(47) 07.10.2020	G21C 17/025	(51) G01K 7/06
(87) US2015043931	G21C 17/06	(11) EP3117193
11.02.2016	G21C 17/116	(21) EP15715838.7
(22) 06.08.2015	G21C 19/02	(47) 07.10.2020
(54) REMOVABLE MAGNETOSTRICTIVE PROBE WITH AUTOMATIC CALIBRATION	G21C 19/31	(87) IB2015051816
(73) Magnetrol International Incorporated	G21D 3/08	17.09.2015
(72) HAYNES, Kevin M.	(11) EP3338283	(22) 12.03.2015
MOORE, Eric	(21) EP16838608.4	(54) THERMOCOUPLE AND METHOD FOR MAKING THE SAME
BERRY, James M.	(47) 07.10.2020	(73) Castfutura S.p.A.
(31) 201414452921	(87) DK2016050279	(72) OFFREDI, Giorgio
(32) 06.08.2014	02.03.2017	POZZI, Fabio
(33) United States of America	(22) 22.08.2016	(31) GE20140024
(51) G01G 19/08	(54) METHOD FOR OPERATING A MOLTEN SALT NUCLEAR REACTOR	(32) 13.03.2014
(11) EP3144646	(73) Copenhagen Atomics ApS	(33) Italy
(21) EP16183486.6		(51) G01K 7/42
(47) 07.10.2020		H01L 23/473
(22) 10.08.2016		H02M 1/32

(11) EP3468018	(47) 07.10.2020	(73) Pfeiffer Vacuum
(21) EP16903174.7	(22) 25.01.2019	(72) DUCIMETIERE, Laurent
(47) 07.10.2020	(54) TORQUE ADAPTER	PUECH, Michel
(87) JP2016065728	(73) TTI (Macao Commercial Offshore)	ROUYEYRE, Frédéric
30.11.2017	Limited	(31) 1552371
(22) 27.05.2016	(72) Brue, Michael S	(32) 23.03.2015
(54) METHOD FOR DETECTING	Moylan, Julia H	(33) France
TEMPERATURE ABNORMALITY IN	(31) 201815887022	(51) G01M 3/22
POWER CONVERSION APPARATUS,	(32) 02.02.2018	H01B 17/14
AND DEVICE FOR DETECTING	(33) United States of America	H01B 17/36
TEMPERATURE ABNORMALITY IN	(51) G01L 5/00	(11) EP2823277
POWER CONVERSION APPARATUS	H01H 13/00	(21) EP13706035.6
(73) Nissan Motor Co., Ltd.	H01H 13/66	(47) 07.10.2020
(72) MARUYAMA, Sho	H01H 36/00	(87) EP2013053896
(51) G01L 1/20	H03K 17/975	12.09.2013
G01L 17/00	(11) EP3435395	(22) 27.02.2013
(11) EP3301424	(21) EP17770172.9	(54) A METHOD OF TESTING THE
(21) EP17188173.3	(47) 07.10.2020	INTEGRITY OF A SECOND SEAL OF
(47) 07.10.2020	(87) JP2017010971	AN ELECTRICAL INSULATOR
(22) 28.08.2017	28.09.2017	(73) ABB Power Grids Switzerland AG
(54) LOAD DISTRIBUTION MEASURING	(22) 17.03.2017	(72) HOLMBERG, Anders
DEVICE FOR VEHICLES	(54) INPUT DEVICE, OPERATION DEVICE,	BRORSSON, Anna
(73) Subaru Corporation	AND ELECTRONIC DEVICE	ASPLUND, Bengt
A & D Company, Limited	(73) Sony Corporation	PERSSON, Jonas
(72) KOGURE, Masaru	(72) TAKA, Yoshiteru	LUNDBORG, Mattias
BANNO, Masaaki	KAWABATA, Tomoki	(31) 12158157
(31) 2016191638	KOIZUMI, Takeshi	(32) 06.03.2012
(32) 29.09.2016	GOTO, Takuya	(33) European Patent Office (EPO)
(33) Japan	(31) 2016060757	(51) G01M 15/14
(51) G01L 1/22	(32) 24.03.2016	G05B 23/02
G01L 1/26	(33) Japan	(11) EP2977616
G01L 5/22	(51) G01L 7/16	(21) EP15177609.3
G01L 25/00	G01L 19/10	(47) 07.10.2020
(11) EP3249370	F24T 10/15	(22) 21.07.2015
(21) EP17172664.9	(11) EP3421960	(54) METHOD AND SYSTEMS FOR
(47) 07.10.2020	(21) EP18170015.4	DETECTION OF COMPRESSOR
(22) 24.05.2017	(47) 07.10.2020	SURGE
(54) LOAD DETECTION APPARATUS	(22) 30.04.2018	(73) General Electric Company
(73) MINEBEA MITSUMI Inc.	(54) PRESSURE INDICATOR	(72) HEDA, Sanjeev Shyam
(72) IESATO, Naoya	(73) Jansen AG	BACKMAN, Steven William
OJIMA, Yasukuni	(72) Alge, Dietmar	MCKEEVER, Matthew John
INAMORI, Dohaku	(31) 2672017	WOOD, Scott Alan
EGUCHI, Kotaro	(32) 26.06.2017	YON, Carloa Angelo
(31) 2016105137	(33) Austria	IASILLO, Robert Joseph
(32) 26.05.2016	(51) G01M 1/22	CHILDS, Christopher
(33) Japan	(11) EP3388809	(31) 201414340289
(51) G01L 3/14	(21) EP17165899.0	(32) 24.07.2014
(11) EP3507580	(47) 07.10.2020	(33) United States of America
(21) EP17761071.4	(22) 11.04.2017	(51) G01M 99/00
(47) 07.10.2020	(54) METHOD AND SYSTEM FOR	G01L 25/00
(87) EP2017071871	DETECTING AN IMBALANCE OF A	(11) EP3488214
08.03.2018	ROTATING MACHINE ELEMENT	(21) EP17757878.8
(22) 31.08.2017	(73) Siemens Aktiengesellschaft	(47) 07.10.2020
(54) TORQUE SENSOR WITH A RADIALY	(72) Ludwig, Christoph Ernst	(87) IB2017054374
ELASTIC TORQUE TRANSFER	Tsouchnika, Erossini	25.01.2018
(73) SENSODRIVE GmbH	Wever, Utz	(22) 19.07.2017
(72) HAEHNLE, Matthias	Jungiewicz, Artur	(54) SYSTEM FOR CONTROLLING
SPORER, Norbert	Hübner, Lutz	THE PROPER FUNCTIONING OF
GRANDL, Michael	Brandstaedter, Heide	INDUSTRIAL SCREWDRIVERS
SATTLER, Matthias	(51) G01M 3/20	(73) Atlas Copco Industrial Technique AB
(31) 102016010551	(11) EP3274682	(72) CATTANEO, Massimiliano
(32) 31.08.2016	(21) EP16708184.3	CELICO FADINI, Gianmaria
(33) Germany	(47) 07.10.2020	(31) 201600076117
(51) G01L 3/14	(87) EP2016054808	(32) 20.07.2016
G01L 5/00	29.09.2016	(33) Italy
G01M 13/025	(22) 07.03.2016	(51) G01N 1/10
(11) EP3524956	(54) LEAKS DETECTOR AND METHOD FOR	G01N 1/20
(21) EP19153677.0	DETECTING LEAKS	G01N 1/22

G01N 30/32	(11) EP2912473	PROPERTY OF A SUBSTANTIALLY
(11) EP2972186	(21) EP13842862.8	HOMOGENEOUS PLASTIC OBJECT
(21) EP14764301.9	(47) 07.10.2020	(73) Nederlandse Organisatie voor toegepast-
(47) 07.10.2020	(87) IB2013052151	natuurwetenschappelijk onderzoek TNO
(87) US2014027787	03.04.2014	(72) VOLKER, Arno Willem Frederik
18.09.2014	(22) 18.03.2013	(31) 08162451
(22) 14.03.2014	(54) SYSTEM FOR AUTOMATED DILUTION	(32) 15.08.2008
(54) COMPOSITE GAS SAMPLING SYSTEM	AND DELIVERY OF LIQUID SAMPLES	(33) European Patent Office (EPO)
(73) Mustang Sampling, LLC	TO AN OPTICAL PARTICLE COUNTER	<hr/>
(72) THOMPSON, Kenneth O.	(73) Cinrg Systems Inc.	(51) G01N 17/02
ROLSTON, Claude A.	(72) GEACH, Alistair	(11) EP3032245
QUERREY, Timothy L.	(31) 2791003	(21) EP14834586.1
(31) 201361794240 P	201213708705	(47) 07.10.2020
201414205526	(32) 27.09.2012	(87) JP2014053311
(32) 15.03.2013	07.12.2012	12.02.2015
12.03.2014	(33) Canada	(22) 13.02.2014
(33) United States of America	United States of America	(54) CORROSION-PREVENTION-
United States of America	<hr/>	PERFORMANCE DEGRADATION
(51) G01N 1/22	(51) G01N 15/02	DETECTION SENSOR, HOT WATER
G01N 1/40	G01N 15/06	SUPPLY AND HEATING SYSTEM, AND
G01N 27/00	G01N 15/14	FACILITY EQUIPMENT
(11) EP3039412	G01N 21/03	(73) Mitsubishi Electric Corporation
(21) EP14841311.5	G01N 21/05	(72) KURIKI, Hironori
(47) 07.10.2020	G01N 21/53	MORIMURA, Hideyuki
(87) US2014052472	(11) EP3392648	MIYA, Kazuhiro
05.03.2015	(21) EP16875513.0	FURUKAWA, Seiji
(22) 25.08.2014	(47) 07.10.2020	(31) 2013164374
(54) CAPTURING ASSAYABLE AGENTS	(87) JP2016086550	(32) 07.08.2013
IN A DIELECTRIC FLUID UTILIZING	22.06.2017	(33) Japan
ELECTROKINETIC DEVICE	(22) 08.12.2016	<hr/>
COMPRISING REMOVABLE	(54) MINUTE OBJECT DETECTION DEVICE	(51) G01N 21/01
ELECTRODES	(73) Mitsubishi Electric Corporation	G01N 33/543
(73) Inspirotec LLC	(72) NAKAI, Kenya	G02B 1/11
(72) GORDON, Julian	(31) 2015243250	(11) EP3391027
(31) 201361870348 P	2016017780	(21) EP16823237.9
(32) 27.08.2013	(32) 14.12.2015	(47) 07.10.2020
(33) United States of America	02.02.2016	(87) EP2016081600
(51) G01N 1/28	(33) Japan	22.06.2017
(11) EP3039399	Japan	(22) 16.12.2016
(21) EP14753071.1	<hr/>	(54) CONTRAST-AMPLIFYING CARRIERS
(47) 07.10.2020	(51) G01N 15/10	USING A TWO-DIMENSIONAL
(87) EP2014067664	G01N 15/14	MATERIAL
05.03.2015	(11) EP3017288	(73) Commissariat à l'Énergie Atomique et
(22) 19.08.2014	(21) EP14836266.8	aux Énergies Alternatives
(54) LASER MICRODISSECTION SYSTEM	(47) 07.10.2020	Centre National de la Recherche
AND LASER MICRODISSECTION	(87) US2014051202	Scientifique
METHOD	19.02.2015	Université du Mans
(73) Leica Microsystems CMS GmbH	(22) 15.08.2014	(72) CAMPIDELLI, Stéphane
(72) SCHLAUDRAFF, Falk	(54) TIMING AND/OR PHASE ADJUSTMENT	CORNUT, Renaud
(31) 102013109481	OF THE CHARGING OF DROPS	DERYCKE, Vincent
(32) 30.08.2013	FROM A FLUID STREAM IN A FLOW	AUSSERRE, Dominique
(33) Germany	CYTOMETER	AUSSERRE, Manuel
(51) G01N 1/28	(73) Bio-rad Laboratories, Inc.	(31) 1562668
G01N 35/00	(72) MARQUETTE, Edward	(32) 17.12.2015
(11) EP3450984	(31) 201361866639 P	(33) France
(21) EP18193146.0	(32) 16.08.2013	<hr/>
(47) 07.10.2020	(33) United States of America	(51) G01N 21/05
(22) 31.01.2014	(51) G01N 17/00	G01N 27/447
(54) FLUID RETENTION PLATES AND	G01N 29/04	H01L 27/146
ANALYSIS CARTRIDGES	G01N 29/44	(11) EP2102642
(73) Luminex Corporation	(11) EP2324346	(21) EP07819882.7
(72) JOHNSON, Ross	(21) EP09788278.1	(47) 07.10.2020
COLLINS, Chuck	(47) 07.10.2020	(87) EP2007010066
(31) 201361759210 P	(87) NL2009050497	29.05.2008
(32) 31.01.2013	18.02.2010	(22) 21.11.2007
(33) United States of America	(22) 14.08.2009	(54) SYSTEM FOR DETECTING
(51) G01N 1/38	(54) A METHOD AND AN APPARATUS	ELECTROPHORESIS
G01N 35/02	FOR NON-DESTRUCTIVELY	(73) ASMAg-Holding GmbH
	INVESTIGATING AN AGING	(72) SONNLEITNER, Max
		(31) 102006055876
		(32) 23.11.2006

(33) Germany	(32) 06.04.2013	(47) 07.10.2020
(51) G01N 21/27	(33) Germany	(87) CA2014000390
G01N 21/53	(51) G01N 21/47	06.11.2014
G01N 21/59	G01N 21/95	(22) 02.05.2014
G01N 21/75	H01L 21/66	(54) TRANSFERRING SPIN POLARIZATION
G01N 21/77	G01N 21/55	(73) Quantum Valley Investment Fund LP
G01N 33/10	(11) EP3131115	(72) TEKLEMARIAM, Grum
(11) EP3436804	(21) EP14888648.4	CORY, David, G.
(21) EP17716562.8	(47) 07.10.2020	(31) 201361819103 P
(47) 07.10.2020	(87) CN2014077340	201461934205 P
(87) FI2017050206	15.10.2015	(32) 03.05.2013
05.10.2017	(22) 13.05.2014	31.01.2014
(22) 24.03.2017	(54) DETECTION METHOD AND	(33) United States of America
(54) A METHOD AND SYSTEM FOR	DETECTION DEVICE FOR CRYSTAL	United States of America
DETERMINATION OF STARCH IN A	ORIENTATION OF SILICON WAFER	(51) G01N 27/02
SAMPLE	(73) Changzhou Trina Solar Energy Co., Ltd.	G01N 27/30
(73) Kemira Oyj	(72) FU, Shaoyong	G01N 27/327
(72) VÄHÄSALO, Lari	XIONG, Zhen	G01N 33/487
PIIRONEN, Marjatta	(31) 201410146800	(11) EP1639355
JOENSUU, Iiris	(32) 11.04.2014	(21) EP04776822.1
(31) 20165270	(33) China	(47) 07.10.2020
(32) 31.03.2016	(51) G01N 21/78	(87) US2004019721
(33) Finland	G01N 33/52	27.01.2005
(51) G01N 21/31	(11) EP2924433	(22) 18.06.2004
(11) EP2735861	(21) EP15161034.2	(54) METHOD FOR ANALYTE
(21) EP12194367.4	(47) 07.10.2020	MEASUREMENT OF BIOLOGICAL
(47) 07.10.2020	(22) 26.03.2015	FLUIDS USING DOSE SUFFICIENCY
(22) 27.11.2012	(54) METHOD OF ANALYSIS OF THE	ELECTRODES
(54) Method for determining a transmission	REDUCING POWER OF A BIOLOGICAL	(73) F. Hoffmann-La Roche AG
value	SAMPLE	(72) BURKE, David, W.
(73) Siemens Healthcare Diagnostics	(73) ARKRAY, Inc.	SURRIDGE, Nigel, A.
Products GmbH	(72) Ohmiya, Kazuhiro	GROLL, Henning
(72) Steinebach, Wolfgang	(31) 2014063735	(31) 480298 P
(51) G01N 21/31	2015054883	687958
G01N 24/10	(32) 26.03.2014	(32) 20.06.2003
G01N 33/28	18.03.2015	17.10.2003
(11) EP2989444	(33) Japan	(33) United States of America
(21) EP13817751.4	Japan	United States of America
(47) 07.10.2020	(51) G01N 21/93	(51) G01N 27/12
(87) RU2013000510	G01N 21/956	G01N 33/00
24.12.2014	H05K 13/08	(11) EP2745102
(22) 18.06.2013	G06T 7/00	(21) EP12853154.8
(54) METHOD AND SYSTEM FOR	(11) EP3046405	(47) 07.10.2020
MONITORING THE QUALITY OF	(21) EP14844433.4	(87) US2012051592
FLUIDS	(47) 07.10.2020	06.06.2013
(73) Siemens Aktiengesellschaft	(87) KR2014008473	(22) 20.08.2012
(72) DOLGOPYATOV, Dmitry Antonovich	19.03.2015	(54) CHEMICAL SENSOR BASED ON
BREKKE, Endre	(22) 11.09.2014	HIGHLY ORGANIZED SINGLE WALLED
JANY, Sandra Silke	(54) REFERENCE DATA GENERATING	CARBON NANOTUBE NETWORKS
MALININ, Vitaly Vladimirovich	METHOD FOR CIRCUIT BOARD	(73) Northeastern University
NIKOLIN, Ivan Vladimirovich	INSPECTION	(72) BUSNAINA, Ahmed
(51) G01N 21/41	(73) KohYoung Technology Inc.	JUNG, Yung Joon
G01N 21/47	(72) YOU, Heewook	SOMU, Sivasubramanian
G01N 21/49	CHOI, Jongjin	DATAR, Aniket
G01N 21/59	JUNG, Seungwon	KIM, Young, Lae
G01N 21/55	(31) 20130109909	(31) 201161525389 P
(11) EP2981809	(32) 12.09.2013	(32) 19.08.2011
(21) EP14723728.3	(33) Korea (Republic)	(33) United States of America
(47) 07.10.2020	(51) G01N 24/08	(51) G01N 27/327
(87) EP2014056946	G01N 24/10	G01N 33/487
09.10.2014	G01R 33/28	(11) EP3577449
(22) 07.04.2014	G01R 33/31	(21) EP18700935.2
(54) DEVICE FOR MEASURING THE	G01R 33/46	(47) 07.10.2020
SCATTERING OF A SAMPLE	G01R 33/60	(87) EP2018051969
(73) LUM GmbH	G01R 33/62	09.08.2018
(72) SINN, Gert	G01R 33/64	(22) 26.01.2018
MITTENZWEY, Klaus-Henrik	(11) EP2992344	
(31) 102013005954	(21) EP14791048.3	

(54) METHOD AND SYSTEM FOR DETERMINING BIOMARKER CONCENTRATION	(33) Japan	(73) Henkel AG & Co. KGaA
(73) Universiteit Gent	(51) G01N 33/50	(72) KLAKA, Patricia
IMEC VZW	(11) EP3187873	BANOWSKI, Bernhard
(72) VANFLETEREN, Jan	(21) EP17157454.4	GRÜDL, Sabine
KHASHAYAR, Patricia	(47) 07.10.2020	WELß, Thomas
(31) 17154242	(22) 20.04.2012	GIESEN, Melanie
(32) 01.02.2017	(54) AN ASSAY OF CELL MEDIATED IMMUNE RESPONSIVENESS	(31) 102016217174
(33) European Patent Office (EPO)	(73) Cellestis Limited	(32) 09.09.2016
(51) G01N 27/62	(72) BOYLE, Jeff	(33) Germany
H01J 49/40	MANKTELOW, Emily	(51) G01N 33/50
(11) EP3457126	(31) 201161480913 P	G06K 9/00
(21) EP18202057.8	(32) 29.04.2011	G06K 9/52
(47) 07.10.2020	(33) United States of America	(11) EP2685402
(22) 13.08.2012	(51) G01N 33/50	(21) EP13172143.3
(54) METHOD AND APPARATUS FOR DETERMINING A MOBILITY OF IONS	(11) EP3627153	(47) 07.10.2020
(73) Tofwerk AG	(21) EP19192403.4	(22) 14.06.2013
(72) KNOCHEMUSS, Richard	(47) 07.10.2020	(54) Cell analyzing apparatus and cell analyzing method
(31) 11405348	(22) 03.06.2016	(73) Nihon Kohden Corporation
(32) 26.10.2011	(54) A METHOD OF ASSESSING PROTEIN MODIFICATION STATUS AND IDENTIFYING BIOMARKERS LINKED TO CELL SIGNALING PATHWAYS	(72) Takeda, Sunao
(33) European Patent Office (EPO)	(73) Queen Mary University of London	Shioyama, Takahiro
(51) G01N 33/15	(72) CUTILLAS, Pedro Rodriguez	Suzuki, Akane
C12Q 1/68	WILKES, Edmund	Kato, Yo
C12Q 1/6883	(31) 201509961	Hinata, Nae
G16C 20/00	(32) 05.06.2015	(31) 2012135792
G16C 20/30	(33) United Kingdom	(32) 15.06.2012
(11) EP3495504	(51) G01N 33/50	(33) Japan
(21) EP19153339.7	G01N 33/53	(51) G01N 33/543
(47) 07.10.2020	G01N 33/538	G01N 33/547
(22) 19.08.2014	G01N 33/543	(11) EP3317666
(54) METHOD AND SYSTEM FOR SELECTING DRUG ON BASIS OF INDIVIDUAL PROTEIN DAMAGE INFORMATION FOR PREVENTING SIDE EFFECTS OF DRUG	(11) EP3114482	(21) EP16734262.5
(73) CIPHEROME, INC.	(21) EP15758881.5	(47) 07.10.2020
(72) KIM, Ju Han	(47) 07.10.2020	(87) EP2016064953
BAIK, Su Yeon	(87) US2015019297	05.01.2017
LEE, Soo Youn	11.09.2015	(22) 28.06.2016
(31) 20130097651	(22) 06.03.2015	(54) SURFACE IMMOBILIZATION OF AN ANALYTE-RECOGNIZING MOLECULE
(32) 19.08.2013	(54) DEVICES FOR INTEGRATING ANALYTE EXTRACTION, CONCENTRATION AND DETECTION	(73) IMEC VZW
(33) Korea (Republic)	(73) The Regents of the University of California	(72) VOS, Rita
(51) G01N 33/42	(72) KAMEI, Daniel T.	JANS, Karolien
G08G 1/01	CHIU, Yin To	STAKENBORG, Tim
H04Q 9/00	WU, Benjamin M.	(31) 15174655
(11) EP3206411	MOSLEY, Garrett L.	(32) 30.06.2015
(21) EP16155263.3	(31) 201461949887 P	(33) European Patent Office (EPO)
(47) 07.10.2020	201461953870 P	(51) G01N 33/558
(22) 11.02.2016	(32) 07.03.2014	(11) EP3418397
(54) ARRANGEMENT AND METHOD FOR PREDICTING ROAD FRICTION WITHIN A ROAD NETWORK	16.03.2014	(21) EP18184143.8
(73) Volvo Car Corporation	(33) United States of America	(47) 07.10.2020
(72) ISRAELSSON, Mr. Erik	United States of America	(22) 22.10.2012
MOHAMMADIHA, Nasser	(51) G01N 33/50	(54) SYSTEM FOR DETECTING INFECTION IN SYNOVIAL FLUID
PANAHANDEH, Ghazaleh	G01N 33/68	(73) CD Diagnostics, Inc.
(51) G01N 33/49	C12Q 1/6883	(72) Deirmengian, Carl
(11) EP3454062	(11) EP3510397	Birkmeyer, Richard C.
(21) EP18185430.8	(21) EP17755081.1	Kardos, Keith
(47) 07.10.2020	(47) 07.10.2020	Kilmartin, Patrick
(22) 25.07.2018	(87) EP2017069653	Cameron, Alexander
(54) BLOOD FILTRATION UNIT	15.03.2018	Schiller, Kevin
(73) Fujifilm Corporation	(22) 03.08.2017	Chung, Eun Kyung
(72) TADOKORO, Shintaro	(54) IN-VITRO METHOD FOR IDENTIFYING AND ANALYSIS OF SECRETION PROTEINS USING A THREE-DIMENSIONAL CELL CULTURE MODEL OF THE PERSPIRATORY GLAND	(31) 201261590234 P
(31) 2017173351		(32) 24.01.2012
(32) 08.09.2017		(33) United States of America
		(51) G01N 33/564
		G01N 33/574
		G01N 33/68
		(11) EP3414571
		(21) EP17704238.9
		(47) 07.10.2020

(87) EP2017052799 17.08.2017	G01N 33/68	Epperson, David Lawrence
(22) 09.02.2017	(11) EP3500856	(31) 201313943736
(54) DETECTION OF NEOANTIGENS USING PEPTIDE ARRAYS	(21) EP17761159.7	(32) 16.07.2013
(73) F. Hoffmann-La Roche AG	(47) 07.10.2020	(33) United States of America
(72) LO, Ken	(87) US2017047630	(51) G01R 15/14
PATEL, Jigar	22.02.2018	G01R 15/16
BANNEN, Ryan	(22) 18.08.2017	G01R 19/25
(31) 201662294771 P	(54) ASSAY FOR DETERMINING POTENTIAL TO SELF-ASSOCIATION OF A PROTEIN USING	G01R 21/06
(32) 12.02.2016	CONCENTRATION-DEPENDENT	G01R 35/00
(33) United States of America	SELF-INTERACTION NANOPARTICLE SPECTROSCOPY	(11) EP2914968
(51) G01N 33/569	(73) Regeneron Pharmaceuticals, Inc.	(21) EP13850107.7
(11) EP3028046	(72) MARLOW, Michael	(47) 07.10.2020
(21) EP14744575.3	SENNETT, Michael	(87) US2013066553
(47) 07.10.2020	SCHNEIDER, Michael	08.05.2014
(87) EP2014066332	(31) 201662376788 P	(22) 24.10.2013
05.02.2015	(32) 18.08.2016	(54) HOT STICK POWER ANALYZER
(22) 30.07.2014	(33) United States of America	(73) Foster-Miller, Inc.
(54) METHODS AND KITS FOR IDENTIFYING EFFECTOR TREG CELLS	(51) G01N 35/00	(72) MASON, Timothy, J.
(73) INSERM - Institut National de la Santé et de la Recherche Médicale	G01N 35/02	MEEKER, David, C.
Sorbonne Université	G01N 35/04	GODFREY, James, F.
Assistance Publique-Hôpitaux de Paris (APHP)	(11) EP2554999	TRAVIS, Jeffrey, C.
(72) GOROCHOV, Guy	(21) EP11762831.3	LEARY, William, G.
MAKOTO, Miyara	(47) 07.10.2020	POST, Alexander, E.
(31) 13306106	(87) JP2011057765	(31) 201261722417 P
(32) 31.07.2013	06.10.2011	201314061128
(33) European Patent Office (EPO)	(22) 29.03.2011	(32) 05.11.2012
(51) G01N 33/574	(54) SPECIMEN ANALYSIS DEVICE AND SPECIMEN ANALYSIS SYSTEM	23.10.2013
G01N 33/68	(73) Sysmex Corporation	(33) United States of America
(11) EP3322510	ARKRAY, Inc.	United States of America
(21) EP16800603.9	(72) MIZUMOTO Toru	(51) G01R 19/00
(47) 07.10.2020	IZUMI Takayoshi	G01R 19/25
(87) US2016033776	TSUTSUMIDA Keisuke	H01M 10/48
01.12.2016	NAKAJIMA Shinya	H02J 7/00
(22) 23.05.2016	(31) 2010125142	G01R 31/3835
(54) SRM/MRM ASSAY FOR THE CYCLIN- DEPENDENT KINASE INHIBITOR 2A (P16) PROTEIN	2010076525	G01R 31/36
(73) Expression Pathology, Inc.	(32) 31.05.2010	(11) EP3037830
(72) KRIZMAN, David, B.	30.03.2010	(21) EP14837422.6
HEMBROUGH, Todd	(33) Japan	(47) 07.10.2020
AN, Eunkyung	Japan	(87) JP2014070662
(31) 201562165614 P	(51) G01R 13/02	26.02.2015
(32) 22.05.2015	(11) EP2418497	(22) 06.08.2014
(33) United States of America	(21) EP11250723.1	(54) BATTERY MONITORING DEVICE
(51) G01N 33/574	(47) 07.10.2020	(73) Hitachi Automotive Systems, Ltd.
G01N 33/92	(22) 12.08.2011	(72) IWASAWA, Hiroshi
(11) EP3514545	(54) Time-domain measurements in a test and measurement instrument	KUDO, Akihiko
(21) EP18152687.2	(73) Tektronix, Inc.	NODA, Mitsuo
(47) 07.10.2020	(72) Dobyons, Kenneth P.	KIKUCHI, Mutsumi
(22) 22.01.2018	Waldo, Gary J.	KANAI, Tomonori
(54) A METHOD OF DIAGNOSING PANCREATIC CANCER BASED ON LIPIDOMIC ANALYSIS OF A BODY FLUID	(31) 856483	(31) 2013173322
(73) Univerzita Pardubice	(32) 13.08.2010	(32) 23.08.2013
(72) Holcapek, Michal	(33) United States of America	(33) Japan
Cifkova, Eva	(51) G01R 15/12	(51) G01R 19/165
Lisa, Miroslav	G06F 9/50	H02J 7/00
Jirasko, Robert	H04L 29/08	G01R 31/36
Wolrab, Denise	H04Q 9/00	(11) EP2700965
Hrnciarová, Tereza	(11) EP2827155	(21) EP13179215.2
(51) G01N 33/58	(21) EP14175986.0	(47) 07.10.2020
	(47) 07.10.2020	(22) 05.08.2013
	(22) 07.07.2014	(54) Semiconductor device and battery voltage monitoring device
	(54) Analytical gateway device for measurement devices	(73) Renesas Electronics Corporation
	(73) Fluke Corporation	(72) Muramoto, Yoshitaka
	(72) Anderson, Thomas Duffy	Kimura, Junko
		Hayakawa, Hirohiko
		(31) 2012185120
		(32) 24.08.2012
		(33) Japan
		(51) G01R 19/25

H02J 3/26	(47) 07.10.2020	WIRTZ, Daniel
H02J 13/00	(87) JP2011003246	MAZURKEWITZ, Peter
(11) EP3304687	15.12.2011	(31) 201261658480 P
(21) EP16722992.1	(22) 08.06.2011	12171571
(47) 07.10.2020	(54) CAPACITY ESTIMATING APPARATUS	(32) 12.06.2012
(87) US2016030144	FOR SECONDARY BATTERY	12.06.2012
01.12.2016	(73) Nissan Motor Co., Ltd	(33) United States of America
(22) 29.04.2016	(72) AKABORI, Kouichi	European Patent Office (EPO)
(54) AUTOMATIC NETWORK DEVICE	IIMORI, Takashi	(51) G01S 3/04
ELECTRICAL PHASE IDENTIFICATION	SOGA, Tsutomu	G01S 3/46
(73) Itron Global SARL	(31) 2010130666	G01S 3/48
(72) AIELLO, Roberto	(32) 08.06.2010	(11) EP3394630
AMIHOOD, Patrick	(33) Japan	(21) EP16822189.3
(31) 201562167812 P	(51) G01R 33/48	(47) 07.10.2020
201615058112	G01R 33/561	(87) EP2016082649
(32) 28.05.2015	G01R 33/565	29.06.2017
01.03.2016	(11) EP2979107	(22) 23.12.2016
(33) United States of America	(21) EP14715441.3	(54) METHOD FOR DETERMINING THE
United States of America	(47) 07.10.2020	DIRECTION OF ARRIVAL IN THE
(51) G01R 21/00	(87) IB2014059983	PRESENCE OF ALIASING AND
G01R 22/00	02.10.2014	ASSOCIATED DEVICE
G06F 1/28	(22) 20.03.2014	(73) Thales
G06F 11/30	(54) MAGNETIC RESONANCE IMAGING	(72) LE MEUR, Anne
H02J 3/14	SYSTEM WITH GHOST ARTIFACT	(31) 1502685
H02J 9/00	REDUCTION AND METHOD OF	(32) 23.12.2015
H02J 13/00	OPERATION THEREOF	(33) France
(11) EP2911273	(73) Koninklijke Philips N.V.	(51) G01S 5/00
(21) EP13847010.9	(72) CHEN, Zhaolin	G01S 5/06
(47) 07.10.2020	HEY, Silke	(11) EP3514563
(87) JP2013005111	GEERTS-OSSEVOORT, Liesbeth	(21) EP18214282.8
24.04.2014	KOONEN, Jos Jacques	(47) 07.10.2020
(22) 29.08.2013	VAN DEN BRINK, Johan Samuel	(22) 19.12.2018
(54) STAND-BY POWER ESTIMATION	(31) 201361806562 P	(54) VEHICLE WITH TARGET
DEVICE, PROGRAM	(32) 29.03.2013	LOCALIZATION
(73) Panasonic Intellectual Property	(33) United States of America	(73) Aptiv Technologies Limited
Management Co., Ltd.	(51) G01R 33/561	(72) SAMARAO, Ashwin K.
(72) SHIMIZU, Noriyoshi	G01R 33/563	DE VRIEZE, Colin
NISHIYAMA, Takashi	G01R 33/565	(31) 201862615737 P
(31) 2012232374	(11) EP2847607	201815877529
2013107406	(21) EP13785251.3	(32) 10.01.2018
(32) 19.10.2012	(47) 07.10.2020	23.01.2018
21.05.2013	(87) SE2013050492	(33) United States of America
(33) Japan	07.11.2013	United States of America
Japan	(22) 03.05.2013	(51) G01S 5/02
(51) G01R 29/027	(54) MRI PULSE SEQUENCE FOR	G01S 19/34
H04L 1/20	ISOTROPIC DIFFUSION WEIGHTING	(11) EP3482227
H05B 47/18	(73) CR Development AB	(21) EP17755336.9
(11) EP3214905	(72) TOPGAARD, Daniel	(47) 07.10.2020
(21) EP17157899.0	LASIC, Samo	(87) US2017045084
(47) 07.10.2020	NILSSON, Markus	15.02.2018
(22) 24.02.2017	(31) 1250452	(22) 02.08.2017
(54) SEMICONDUCTOR DEVICE, LIGHT	201261642594 P	(54) MOBILE TRANSCEIVER FOR ASSET
SOURCE CONTROL DEVICE, AND	(32) 04.05.2012	TRACKING HAVING A POWER SAVING
LIGHT SOURCE CONTROL SYSTEM	04.05.2012	SCHEME FOR NETWORK ACCESS
(73) Renesas Electronics Corporation	(33) Sweden	(73) BlackBerry Limited
(72) Kaneko, Satoshi	United States of America	(72) MULAOSMANOVIC, Jasmin
Ienaga, Takashi	(51) G01R 33/563	LOMBARDI, Robert Joseph
Ishii, Kazumi	(11) EP2859371	BERRIZ, Sergio Javier
Fujii, Akio	(21) EP13737413.8	(31) 201615230970
Gunji, Takahisa	(47) 07.10.2020	(32) 08.08.2016
(31) 2016042488	(87) IB2013054457	(33) United States of America
(32) 04.03.2016	19.12.2013	(51) G01S 5/14
(33) Japan	(22) 30.05.2013	G01S 11/06
(51) G01R 31/3828	(54) OSCILLATION APPLICATOR FOR MR	H04L 29/08
G06F 17/00	RHEOLOGY	G06Q 30/02
G01R 31/36	(73) Koninklijke Philips N.V.	G01S 5/02
(11) EP2580604	(72) VERNICKEL, Peter	H04W 4/02
(21) EP11792160.1	LEUSSLER, Christoph	H04W 4/021

H04W 4/029	PERRY, Travis	(47) 07.10.2020
H04W 4/33	FENTON, Mike	(87) CN2016110650
(11) EP3105734	ACHARYA, Sunil	07.12.2017
(21) EP15749468.3	GUДАITIS, Algird	(22) 19.12.2016
(47) 07.10.2020	MORRIS, Matthew	(54) RADIATION DOSE MEASURING
(87) US2015012321	(31) 201361822873 P	METHOD
20.08.2015	201314055660	(73) Neuboron Medtech Ltd.
(22) 21.01.2015	(32) 13.05.2013	(72) LIU, Yuanhao
(54) AUTOMATED LEARNING OF STORE	16.10.2013	HSIAO, Ming-Chen
TOPOGRAPHY USING IN-STORE	(33) United States of America	(31) 201610377646
LOCATION SIGNALS	United States of America	(32) 01.06.2016
(73) Google LLC	(51) G01S 17/66	(33) China
(72) STUTTLE, Matthew, Nicholas	G01S 17/89	(51) G01T 1/29
SCELLATO, Salvatore	(11) EP2399150	G02B 26/06
(31) 201414181018	(21) EP10783731.2	G02B 27/46
(32) 14.02.2014	(47) 07.10.2020	(11) EP3102976
(33) United States of America	(87) US2010024934	(21) EP15746767.1
(51) G01S 7/02	09.12.2010	(47) 07.10.2020
H01Q 1/02	(22) 22.02.2010	(87) IL2015050135
H01Q 1/34	(54) SYSTEM AND METHOD FOR	13.08.2015
H01Q 3/04	GENERATING THREE DIMENSIONAL	(22) 05.02.2015
(11) EP2736115	IMAGES USING LIDAR AND VIDEO	(54) SYSTEM AND METHOD FOR IMAGING
(21) EP13191979.7	MEASUREMENTS	WITH PINHOLE ARRAYS
(47) 07.10.2020	(73) StereoVision Imaging, Inc.	(73) Bar-Ilan University
(22) 07.11.2013	(72) SEBASTIAN, Richard, Lee	(72) ZALEVSKY, Zeev
(54) Radar antenna and radar apparatus	ZHELEZNYAK, Anatoley, T.	SCHWARZ, Moshe Arie Ariel
including the same	(31) 154207 P	SHEMER, Amir
(73) Furuno Electric Company Limited	(32) 20.02.2009	ZLOTNIK, Alexander
(72) Oda, Makoto	(33) United States of America	(31) 201461936402 P
(31) 2012256723	(51) G01S 17/66	(32) 06.02.2014
(32) 22.11.2012	G05D 1/02	(33) United States of America
(33) Japan	(11) EP3469441	(51) G01V 1/30
(51) G01S 7/288	(21) EP17742469.4	G01V 1/34
G01S 7/35	(47) 07.10.2020	(11) EP2689275
(11) EP2972468	(87) FR2017051427	(21) EP11741397.1
(21) EP14710740.3	21.12.2017	(47) 07.10.2020
(47) 07.10.2020	(22) 06.06.2017	(87) US2011046086
(87) US2014019405	(54) AUTONOMOUSLY GUIDED MACHINE	11.10.2012
25.09.2014	(73) INRIA - Institut National de Recherche en	(22) 01.08.2011
(22) 28.02.2014	Informatique et en Automatique	(54) METHOD AND APPARATUS FOR
(54) SYSTEM AND METHOD FOR	(72) VASQUEZ-GOVEA, Alejandro Dizan	ANALYZING DATA IN TIME-LAPSE
CALIBRATION AND BUILT-IN SELF	MICHALCZYK, Jan	GEOPHYSICAL SURVEYS
TEST OF AUTOMOBILE RADAR	BORKOWSKI, Stanislas	(73) ION Geophysical Corporation
SYSTEM	(31) 1655510	(72) GREGOR, John
(73) Veoneer US, Inc.	(32) 14.06.2016	(31) 201161466595 P
(72) DOYLE, Scott B.	(33) France	(32) 23.03.2011
(31) 201313834647	(51) G01S 19/29	(33) United States of America
(32) 15.03.2013	G01S 19/30	(51) G01V 1/30
(33) United States of America	G01S 19/37	G06F 16/21
(51) G01S 17/36	(11) EP3004928	(11) EP2689274
G01S 17/87	(21) EP14731763.0	(21) EP11741729.5
G01S 17/89	(47) 07.10.2020	(47) 07.10.2020
(11) EP2997395	(87) GB2014051738	(87) US2011046081
(21) EP14734582.1	11.12.2014	27.09.2012
(47) 07.10.2020	(22) 05.06.2014	(22) 01.08.2011
(87) US2014037753	(54) RECEIVER AND METHOD FOR	(54) METHOD AND APPARATUS FOR
20.11.2014	DIRECT SEQUENCE SPREAD	ANALYZING DATA IN SUBSEQUENT
(22) 13.05.2014	SPECTRUM SIGNALS	GEOPHYSICAL SURVEYS
(54) INTERFERENCE REDUCTION FOR	(73) Airbus Defence and Space Limited	(73) ION Geophysical Corporation
TOF SYSTEMS	(72) TURNER, Michael	(72) GREGOR, John
(73) Microsoft Technology Licensing, LLC	MAK, Kwok	(31) 201161466620 P
(72) PAYNE, Andrew	(31) 13275134	(32) 23.03.2011
BAMJI, Cyrus	(32) 05.06.2013	(33) United States of America
YEE, Dawson	(33) European Patent Office (EPO)	(51) G01V 1/36
THOMPSON, Barry	(51) G01T 1/02	G01V 1/38
XU, Zhanping	G01T 3/00	(11) EP2601543
ROLAND, Brock	(11) EP3428690	(21) EP11749997.0
PRATHER, Larry	(21) EP16903865.0	(47) 07.10.2020

(87) US2011046293 09.02.2012	(31) 04405464	BRUN, Mickael
(22) 02.08.2011	(32) 21.07.2004	NICOLETTI, Sergio
(54) METHOD AND APPARATUS FOR MARINE WIDE AZIMUTH TOWED STREAM SEISMIC ACQUISITION	(33) European Patent Office (EPO)	(31) 1356952
(73) BP Corporation North America Inc.	(51) G02B 5/02	(32) 15.07.2013
(72) ABMA, Raymond, Lee	G02B 27/01	(33) France
BEAUDOIN, Gerard	G03H 1/22	(51) G02B 6/12
(31) 369912 P	G03H 1/32	G02B 6/13
(32) 02.08.2010	(11) EP3438726	G02F 1/017
(33) United States of America	(21) EP18185445.6	G02F 1/025
(51) G02B 1/04	(47) 07.10.2020	G02F 1/225
G02B 5/30	(22) 25.07.2018	(11) EP3506000
G02F 1/1335	(54) HOLOGRAPHIC PROJECTOR	(21) EP17211015.7
G02F 1/13357	(73) Dualitas Ltd.	(47) 07.10.2020
G02F 1/13363	(72) Christmas, Jamieson	(22) 29.12.2017
(11) EP3525037	Cole, Alexander	(54) III-V SEMICONDUCTOR WAVEGUIDE NANORIDGE STRUCTURE
(21) EP18209128.0	(31) 201712432	(73) IMEC vzw
(47) 07.10.2020	(32) 02.08.2017	Universiteit Gent
(22) 29.11.2018	(33) United Kingdom	(72) VAN CAMPENHOUT, Joris
(54) PHASE DIFFERENCE FILM AND DISPLAY DEVICE	(51) G02B 5/30	SRINIVASAN, Ashwyn
(73) Samsung Electronics Co., Ltd.	G02F 1/13363	(51) G02B 6/38
Samsung Display Co., Ltd.	G02B 1/111	(11) EP3177953
(72) KONG, Hye Young	(11) EP3415960	(21) EP14750454.2
CHOI, Hyunseok	(21) EP16867381.2	(47) 07.10.2020
GAM, Sangah	(47) 07.10.2020	(87) EP2014066920
(31) 20180017270	(87) CN2016104176	11.02.2016
(32) 12.02.2018	03.08.2017	(22) 06.08.2014
(33) Korea (Republic)	(22) 01.11.2016	(54) OPTICAL FIBER CONNECTOR ASSEMBLY
(51) G02B 1/118	(54) ANTI-REFLECTIVE STRUCTURE AND METHOD FOR MANUFACTURE THEREOF, AND DISPLAY AND METHOD FOR MANUFACTURE THEREOF	(73) Prysmian S.p.A.
(11) EP3355085	(73) BOE Technology Group Co., Ltd.	(72) GRIFFITHS, Ian
(21) EP16866298.9	(72) TAN, Jifeng	KERRY, Matt
(47) 07.10.2020	(31) 201610061301	PIKE, Stephen
(87) JP2016083775	(32) 28.01.2016	(51) G02B 6/38
26.05.2017	(33) China	G02B 6/42
(22) 15.11.2016	(51) G02B 6/02	H04L 12/24
(54) OPTICAL BODY, MASTER, AND METHOD FOR MANUFACTURING OPTICAL BODY	G02B 6/42	H04L 12/26
(73) Dexerials Corporation	(11) EP2753964	(11) EP3203283
(72) HAYASHIBE, Kazuya	(21) EP12759291.3	(21) EP17162358.0
KAJIYA, Shunichi	(47) 07.10.2020	(47) 07.10.2020
(31) 2015224316	(87) US2012049634	(22) 10.08.2009
2016221302	14.03.2013	(54) RFID-BASED SYSTEMS AND METHODS FOR COLLECTING TELECOMMUNICATIONS NETWORK INFORMATION
(32) 16.11.2015	(22) 03.08.2012	(73) Corning Cable Systems LLC
14.11.2016	(54) HERMETIC SMALL FORM FACTOR OPTICAL DEVICE PACKAGING FOR PLASTIC OPTICAL FIBER NETWORKS	(72) RENFRO, James, G.
(33) Japan	(73) The Boeing Company	WAGNER, Richard, E.
Japan	(72) CHAN, Eric, Y.	WHITING, Matthew, S.
(51) G02B 5/02	KOSHINZ, Dennis, G.	WEBB, Dale, A.
G02B 5/28	(31) 201113227428	SUTHERLAND, James, S.
G02B 5/30	(32) 07.09.2011	DOWNIE, John, D.
G02F 1/1337	(33) United States of America	(31) 229964
G06K 19/14	(51) G02B 6/12	(32) 28.08.2008
B42D 25/364	(11) EP3022593	(33) United States of America
(11) EP1771752	(21) EP14739415.9	(51) G02B 6/42
(21) EP05752037.1	(47) 07.10.2020	H04B 10/80
(47) 07.10.2020	(87) EP2014064992	(11) EP3123222
(87) CH2005000361	22.01.2015	(21) EP15735621.3
26.01.2006	(22) 11.07.2014	(47) 07.10.2020
(22) 30.06.2005	(54) OPTICAL COUPLER PROVIDED WITH AN INTERMEDIATE WAVEGUIDE	(87) DE2015100121
(54) ANISOTROPIC OPTICAL DEVICE AND METHOD FOR MAKING SAME	(73) Commissariat à l'Energie Atomique et aux Energies Alternatives	01.10.2015
(73) ROLIC Technologies AG	Alcatel Lucent	(22) 23.03.2015
(72) STALDER, Martin	(72) LABEYE, Pierre	(54) DEVICE FOR COUPLING AND/OR DECOUPLING OPTICAL SIGNALS
IBN-ELHAJ, Mohammed	BOUTAMI, Salim	(73) Silicon Line GmbH
MOIA, Franco		(72) HOELTKE, Holger
		GROEPL, Martin

(31) 102014205373	PARK, Ji Hwan	(87) IB2017055249
(32) 22.03.2014	PARK, Yong Tae	08.03.2018
(33) Germany	YU, Beom Seok	(22) 31.08.2017
(51) G02B 6/42	(31) 20160045409	(54) NON-IMAGING RECEIVER UTILIZING
H05K 1/02	20160092447	MIRRORS IN OPTICAL WIRELESS
H05K 1/11	(32) 14.04.2016	COMMUNICATION SYSTEM
H05K 1/18	21.07.2016	(73) King Abdullah University of Science and
(11) EP2992376	(33) Korea (Republic)	Technology
(21) EP14745069.6	Korea (Republic)	(72) PARK, Kihong
(47) 07.10.2020	(51) G02B 7/10	OUBEI, Hassan M.
(87) DE2014200187	G02B 27/64	OUI, Boon S.
06.11.2014	H04N 5/225	ALOUINI, Mohamed-Slim
(22) 29.04.2014	H04N 5/232	(31) 201662383229 P
(54) DEVICE FOR INCOUPLING AND/OR	(11) EP3453165	(32) 02.09.2016
OUTCOUPLING OPTICAL SIGNALS	(21) EP17792900.7	(33) United States of America
(73) Silicon Line GmbH	(47) 07.10.2020	(51) G02B 27/00
(72) HOELTKE, Holger	(87) KR2017004681	(11) EP3102974
GROEPL, Martin	09.11.2017	(21) EP15706668.9
(31) 102013104367	(22) 02.05.2017	(47) 07.10.2020
102013104787	(54) ELECTRONIC DEVICE INCLUDING	(87) DE2015100038
(32) 29.04.2013	CAMERA MODULE	06.08.2015
08.05.2013	(73) Samsung Electronics Co., Ltd.	(22) 28.01.2015
(33) Germany	(72) YU, Young-Bok	(54) METHOD FOR SUPPRESSING STRAY
Germany	(31) 20160054787	LIGHT
(51) G02B 6/44	(32) 03.05.2016	(73) Leica Camera AG
(11) EP3237946	(33) Korea (Republic)	(72) KAMMANS, Sigrun
(21) EP14824005.4	(51) G02B 7/28	(31) 102014101310
(47) 07.10.2020	H04N 5/232	(32) 03.02.2014
(87) EP2014079232	(11) EP3218756	(33) Germany
30.06.2016	(21) EP15784902.7	(51) G02B 27/01
(22) 23.12.2014	(47) 07.10.2020	(11) EP3237960
(54) OPTICAL CABLE FOR TERRESTRIAL	(87) US2015055328	(21) EP15813000.5
NETWORKS	19.05.2016	(47) 07.10.2020
(73) Prysmian S.p.A.	(22) 13.10.2015	(87) EP2015079251
(72) LANG, Ian Dewi	(54) DIRECTION AWARE AUTOFOCUS	30.06.2016
ROBERTS, Paul John	(73) Qualcomm Incorporated	(22) 10.12.2015
(51) G02B 6/44	(72) MA, Lei	(54) IMAGING OPTICAL UNIT FOR
H04B 10/25	DENG, Fan	GENERATING A VIRTUAL IMAGE AND
(11) EP3259629	CHAN, Leung Chun	SMARTGLASSES
(21) EP16751981.8	(31) 201462080157 P	(73) tooz technologies GmbH
(47) 07.10.2020	201514693604	(72) DOBSCHAL, Hans-Jürgen
(87) IB2016000226	(32) 14.11.2014	LINDIG, Karsten
25.08.2016	22.04.2015	(31) 102014119550
(22) 18.02.2016	(33) United States of America	(32) 23.12.2014
(54) RAPID DEPLOYMENT INDEXING	United States of America	(33) Germany
TERMINAL ARRANGEMENT	(51) G02B 26/06	(51) G02B 27/01
(73) CommScope Technologies Australia Pty	G02B 27/00	G06F 3/01
Ltd	(11) EP2954364	G06F 3/14
(72) HUBBARD, Paul David	(21) EP14704549.6	G06F 13/14
OXLEE, Wesley Edward	(47) 07.10.2020	(11) EP3039555
(31) 201562117834 P	(87) EP2014052210	(21) EP13892413.9
(32) 18.02.2015	14.08.2014	(47) 07.10.2020
(33) United States of America	(22) 05.02.2014	(87) KR2013010494
(51) G02B 7/02	(54) METHOD AND DEVICE FOR	05.03.2015
G03B 11/04	RECEIVING AND PROCESSING THE	(22) 19.11.2013
G03B 17/08	OPTICAL SIGNALS COMING FROM AN	(54) PORTABLE DEVICE SUPPORTING
G03B 17/56	EXTENDED OBJECT	VIDEOTELEPHONY OF A HEAD
(11) EP3444666	(73) Rheinmetall Waffe Munition GmbH	MOUNTED DISPLAY AND METHOD OF
(21) EP17782698.9	(72) GOWIN, Michael	CONTROLLING THEREFOR
(47) 07.10.2020	TEN HAVE, Eric	(73) LG Electronics Inc.
(87) KR2017004064	(31) 102013002007	(72) CHO, Eunhyung
19.10.2017	(32) 06.02.2013	CHUN, Sinae
(22) 14.04.2017	(33) Germany	KIM, Jongho
(54) DEVICE FOR FIXING CAMERA	(51) G02B 26/08	KIM, Jihwan
MODULE CIRCUIT BOARD, AND	H04B 10/116	(31) 20130102325
CAMERA MODULE	(11) EP3507923	201314080316
(73) LG Innotek Co., Ltd.	(21) EP17771880.6	(32) 28.08.2013
(72) KIM, Kwang Sung	(47) 07.10.2020	14.11.2013

(33) Korea (Republic) United States of America	(31) 1553191 (32) 13.04.2015 (33) France	(47) 07.10.2020 (87) US2016020702 09.09.2016
(51) G02C 7/04 (11) EP2689287 (21) EP12716135.4 (47) 07.10.2020 (87) US2012029250 27.09.2012 (22) 15.03.2012 (54) CONTACT LENSES WITH IMPROVED MOVEMENT (73) Johnson & Johnson Vision Care, Inc. (72) ROFFMAN, Jeffrey, H. JUBIN, Philippe, F. VANDERLAAN, Douglas, G. MENEZES, Edgar, V.	(51) G02F 1/13 G09G 3/00 H01L 21/66 (11) EP3384525 (21) EP16883429.9 (47) 07.10.2020 (87) CN2016111929 13.07.2017 (22) 24.12.2016 (54) SYSTEM AND METHOD FOR TESTING CHIP-ON-GLASS BONDING QUALITY (73) Huawei Technologies Co., Ltd. (72) ZHU, Xiangan LUO, Guoping HAN, Qian CHEN, Shunlin WU, Guangrong GARCIA, Jose LOZA, Steven R. CHEN, Chuanning	(22) 03.03.2016 (54) GENERATION OF RANDOM NUMBERS THROUGH THE USE OF QUANTUM- OPTICAL EFFECTS WITHIN A MIRROR CAVITY SYSTEM (73) Scarlett, Carol, Y. (72) Scarlett, Carol, Y. (31) 201562128088 P (32) 04.03.2015 (33) United States of America
(31) 201113071307 (32) 24.03.2011 (33) United States of America	(31) 201614988361 (32) 05.01.2016 (33) United States of America	(51) G02F 1/1337 G02F 1/1343 G02F 1/1362 (11) EP2940518 (21) EP15165797.0 (47) 07.10.2020 (22) 29.04.2015 (54) LIQUID CRYSTAL DISPLAY (73) Samsung Display Co., Ltd. (72) Chang, Hak Sun Shin, Cheol Jang, Jae-Soo Shin, Ki Chul Ryu, Jang Wi Oh, Ho Kil Kim, Ka Eun Lee, Se Hyun Jung, Hyo Ju (31) 20140051872 (32) 29.04.2014 (33) Korea (Republic)
(51) G02F 1/01 G02F 1/19 (11) EP3362849 (21) EP16784264.0 (47) 07.10.2020 (87) GB2016053196 20.04.2017 (22) 14.10.2016 (54) OPTICAL DEVICE (73) Oxford University Innovation Limited (72) HOSSEINI, Peiman BHASKARAN, Harish BROUGHTON, Ben	(51) G02F 1/1333 (11) EP3547016 (21) EP19150902.5 (47) 07.10.2020 (22) 09.01.2019 (54) DISPLAY DEVICE (73) LG Electronics Inc. (72) KIL, Hyongil BAEK, Sangmin	(51) G02F 1/153 G02F 1/155 (11) EP3332288 (21) EP16835712.7 (47) 07.10.2020 (87) US2016045864 16.02.2017 (22) 05.08.2016 (54) ELECTROCHROMIC DEVICE ASSEMBLIES (73) Kinestral Technologies, Inc. (72) HIGASHIHARA, Ken GALLIPEO, John (31) 201562202517 P (32) 07.08.2015 (33) United States of America
(31) 201518371 (32) 16.10.2015 (33) United Kingdom	(31) 20180034470 (32) 26.03.2018 (33) Korea (Republic)	(51) G02F 1/1335 G09F 9/302 G09F 9/33 G09F 13/22 H01B 3/00 H01F 7/02 H05B 33/12 H05K 5/00 H01L 33/00 G09G 3/32 (11) EP3472823 (21) EP17834616.9 (47) 07.10.2020 (87) KR2017005576 01.02.2018 (22) 29.05.2017 (54) LED DISPLAY DEVICE AND STRUCTURE OF ASSEMBLING THE SAME (73) Samsung Electronics Co., Ltd. (72) RYU, Chang Won VUONG, Nguyenhuulam (31) 20160094628 (32) 26.07.2016 (33) Korea (Republic)
(51) G02F 1/025 (11) EP3097450 (21) EP15703677.3 (47) 07.10.2020 (87) US2015012791 30.07.2015 (22) 24.01.2015 (54) ELECTRO-OPTICAL MODULATOR WITH A VERTICAL CAPACITOR STRUCTURE (73) Cisco Technology, Inc. (72) PATEL, Vipulkumar GOTHOSKAR, Prakash (31) 201461931314 P (32) 24.01.2014 (33) United States of America	(51) G02F 1/13363 G06F 7/58 G07C 15/00 (11) EP3265906 (21) EP16759498.5	(51) G02F 1/21 H03M 1/12 H04L 27/00 H04L 27/34 H04L 27/36 H04L 27/38 H04B 10/2513 H04B 10/2569 H04B 10/61 H04B 10/69 H04B 17/21 (11) EP3367594 (21) EP16857401.0 (47) 07.10.2020 (87) JP2016080700 27.04.2017 (22) 17.10.2016
(51) G02F 1/025 (11) EP3081983 (21) EP16164798.7 (47) 07.10.2020 (22) 12.04.2016 (54) WAVEGUIDE FOR CAPACITIVE ELECTRO-OPTICAL MODULATOR (73) Commissariat à l'Energie Atomique et aux Energies Alternatives CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE Université Paris-Sud (72) Abraham, Alexis Olivier, Ségolène Perez-Galacho, Diego Marris-Morini, Delphine Vivien, Laurent	(51) G02F 1/13363 G06F 7/58 G07C 15/00 (11) EP3265906 (21) EP16759498.5	(51) G02F 1/13363 G06F 7/58 G07C 15/00 (11) EP3265906 (21) EP16759498.5

(54) COHERENT LIGHT-RECEIVING DEVICE	12.05.2011	(22) 06.08.2018
(73) Nippon Telegraph And Telephone Corporation NTT Electronics Corporation	(22) 05.11.2010	(54) DEVICE AND METHOD FOR RECONSTRUCTING THE 3D SURFACE ALL AROUND A SUBJECT
(72) HORIKOSHI Kengo YOSHIDA Mitsuteru OKAMOTO Seiji HOSOYA Eiichi YAMAZAKI Etsushi ONUMA Yasuharu TAKAMUKU Tomohiro MIURA Naoki YASUDA Sadayuki	(54) CAMERA MODULE WITH FOLD-OVER FLEXIBLE CIRCUIT AND CAVITY SUBSTRATE	(73) QuantifiCare S.A.
(31) 2015205604 2016073735	(73) NANCHANG O-FILM OPTOELECTRONICS TECHNOLOGY LTD	(72) THIRION, Jean-Philippe
(32) 19.10.2015 31.03.2016	(72) CHUA, Albert John, Y. LIMAYE, Abhuit	(31) 1770938
(33) Japan	(31) 590325	(32) 06.09.2017
(51) G02F 1/35 G02F 1/39	(32) 05.11.2009	(33) France
(11) EP3223069	(33) United States of America	(51) G03G 9/00 C09D 11/037
(21) EP16000684.7	(51) G03B 19/18	(11) EP3341444
(47) 07.10.2020	G06F 1/16	(21) EP15808391.5
(22) 21.03.2016	H02J 7/00	(47) 07.10.2020
(54) METHOD AND APPARATUS FOR GENERATING THZ RADIATION	(11) EP3647867	(87) EP2015079368 15.06.2017
(73) Deutsches Elektronen-Synchrotron DESY Massachusetts Institute of Technology (MIT)	(21) EP19200170.9	(22) 11.12.2015
(72) KÄRTNER, Franz X. ZAPATA, Luis E., REICHERT, Fabian BARRE, Damian HEMMER, Michael CIRMI, Giovanni MÜCKE, Oliver D. ROSSI, Giulio Maria FALLAHI, Arya MATLIS, Nicholas H. RAVI, Koustuban	(47) 07.10.2020	(54) ELECTROSTATIC INK COMPOSITION
(51) G03B 3/10 G03B 5/02 G03B 19/22 H04N 5/225 H04N 5/232 H04N 5/247	(22) 27.09.2019	(73) HP INDIGO B.V.
(11) EP3293572	(54) BATTERY AND CONTROL METHOD THEREFOR	(72) MASOUD, Emad GUSLITZER, Regina HEN, Anna SHELEF, Eyal
(21) EP17185656.0	(73) IDX Company, Ltd.	(51) G03G 9/09 G03G 9/12
(47) 07.10.2020	(72) Motoda, Noriaki	(11) EP3542222
(22) 09.08.2017	(31) 2018190503	(21) EP17714189.2
(54) CAMERA LENS ASSEMBLY OF DUAL CAMERA	(32) 05.10.2018	(47) 07.10.2020
(73) Samsung Electronics Co., Ltd.	(33) Japan	(87) EP2017057285 04.10.2018
(72) RHO, Hyung Jin KIM, Se Won YU, Hyun Ho	(51) G03B 19/22 H04N 5/225 H04N 5/232 G06F 3/0484 G06F 3/0488 H04N 13/271 H04N 13/239 H04N 13/271	(22) 28.03.2017
(31) 20160115307	(11) EP3483653	(54) ELECTROSTATIC INK(S)
(32) 07.09.2016	(21) EP18214698.5	(73) HP Indigo B.V.
(33) Korea (Republic)	(47) 07.10.2020	(72) HAGEGE, Ariel GRINWALD, Yaron KATZ, Gregory GUSLITZER, Regina GILAN, Ziv ATZMON, Yavin KATZ, Lior
(51) G03B 17/00 H04N 5/225	(22) 31.05.2017	(51) G03G 9/097
(11) EP2496988	(54) USER INTERFACE FOR CAMERA EFFECTS	(11) EP3486725
(21) EP10828667.5	(73) Apple Inc.	(21) EP18206411.3
(47) 07.10.2020	(72) MANZARI, Behkish J. PIVONKA, Pavel PRESTON, Daniel Trent	(47) 07.10.2020
(87) US2010002913	(31) 201662349059 P PA201670627 201662384140 P 201662397860 P PA201670753 PA201670755	(22) 15.11.2018
	(32) 12.06.2016	(54) TONER
	16.08.2016	(73) CANON KABUSHIKI KAISHA
	06.09.2016	(72) WATANABE, Hiroki TAKAHASHI, Toru OGAWA, Yoshihiro TSUJIMOTO, Daisuke IIDA, Wakashi
	21.09.2016	(31) 2017221795
	22.09.2016	(32) 17.11.2017
	22.09.2016	(33) Japan
	(33) United States of America Denmark United States of America United States of America Denmark Denmark	(51) G03G 15/00
	(51) G03B 21/14 G03B 35/02	(11) EP2634638
	(11) EP3454118	(21) EP13157234.9
	(21) EP18020369.7	(47) 07.10.2020
	(47) 07.10.2020	(22) 28.02.2013
		(54) Post-processing device and image forming apparatus
		(73) Kyocera Document Solutions Inc.
		(72) Jun, Nishimura
		(31) 2012042791
		(32) 29.02.2012
		(33) Japan

(51) G03G 15/00	(47) 07.10.2020	(72) Itabashi, Nao
(11) EP2749958	(22) 25.12.2007	Nishiyama, Hideshi
(21) EP13199098.8	(54) ROTATIONAL FORCE TRANSMITTING	Fukamachi, Yasuo
(47) 07.10.2020	PART	(31) 2011190041
(22) 20.12.2013	(73) CANON KABUSHIKI KAISHA	(32) 31.08.2011
(54) Image forming apparatus	(72) UENO, Takahito	(33) Japan
(73) Kyocera Document Solutions Inc.	MIYABE, Shigeo	(51) G03H 1/04
(72) Tashiro, Masaya	MORIOKA, Masanari	G03H 1/28
(31) 2012286240	HISANO, Masato	B42D 25/328
(32) 27.12.2012	(31) 2006346191	(11) EP3065002
(33) Japan	2007042666	(21) EP16160407.9
(51) G03G 15/00	2007330304	(47) 07.10.2020
G03G 15/01	(32) 22.12.2006	(22) 02.04.2009
(11) EP2945019	22.02.2007	(54) SAFETY ELEMENT AND METHOD
(21) EP15160266.1	21.12.2007	FOR MANUFACTURING A SAFETY
(47) 07.10.2020	(33) Japan	ELEMENT
(22) 20.11.2008	Japan	(73) Leonhard Kurz Stiftung & Co. KG
(54) PRINTING USING COLOR	Japan	(72) TOMPKIN, Wayne Robert
CHANGEABLE MATERIAL	(51) G03G 15/00	LUTZ, Norbert
(73) Quad/Graphics, Inc.	H04N 1/00	BURKHARDT, Markus
(72) Barndt, John	(11) EP3196702	SCHARFENBERG, Michael
Barton, JR., Robert H	(21) EP17152389.7	(31) 102008017652
Clayton, Terrill S	(47) 07.10.2020	(32) 04.04.2008
Rose, Monte J	(22) 20.01.2017	(33) Germany
Volz, Paul G	(54) PRINTING APPARATUS, IMAGE	(51) G04B 11/00
(31) 62213	READING APPARATUS, CONTROL	G04B 11/02
(32) 24.01.2008	PROGRAM OF PRINTING APPARATUS,	G04B 19/253
(33) United States of America	AND CONTROL PROGRAM OF IMAGE	(11) EP2798413
(51) G03G 15/00	READING APPARATUS	(21) EP12813874.0
G03G 15/01	(73) Seiko Epson Corporation	(47) 07.10.2020
G03G 15/20	(72) FUJII, Masao	(87) EP2012076911
(11) EP3306402	OGAWA, Tomohiro	11.07.2013
(21) EP17188088.3	(31) 2016008512	(22) 26.12.2012
(47) 07.10.2020	(32) 20.01.2016	(54) SPRING FOR CLOCK MOVEMENT
(22) 28.08.2017	(33) Japan	(73) Rolex S.A.
(54) IMAGE FORMING APPARATUS	(51) G03G 15/08	(72) FLEURY, Christian
(73) Canon Kabushiki Kaisha	G03G 21/18	FRACHEBOUD, Blaise
(72) CHIYODA, Yasuharu	(11) EP3007008	(31) 11405378
(31) 2016177991	(21) EP15183146.8	(32) 27.12.2011
2017129353	(47) 07.10.2020	(33) European Patent Office (EPO)
(32) 12.09.2016	(22) 31.08.2015	(51) G04B 13/02
30.06.2017	(54) TONER CARTRIDGE HAVING A	G04F 7/08
(33) Japan	SHUTTER LOCK MECHANISM	(11) EP3032358
Japan	(73) Lexmark International, Inc.	(21) EP14197810.6
(51) G03G 15/00	(72) Leemhuis, Michael Craig	(47) 07.10.2020
G03G 15/24	Anderson, James Daniel Jr.	(22) 12.12.2014
H05K 3/12	(31) 201414474423	(54) Chronograph mechanism for a clock
H05K 3/20	(32) 02.09.2014	movement
(11) EP2915414	(33) United States of America	(73) Richemont International S.A.
(21) EP12780738.6	(51) G03G 15/20	(72) Jolion, Vincent
(47) 07.10.2020	(11) EP3136182	Vides de Oliveira, Mario Jose
(87) EP2012071638	(21) EP16183304.1	(51) G04B 37/00
08.05.2014	(47) 07.10.2020	G04B 39/00
(22) 31.10.2012	(22) 09.08.2016	G04G 17/04
(54) METHOD AND APPARATUS FOR	(54) IMAGE HEATING UNIT	G04G 17/08
FORMING ON A SUBSTRATE A	(73) Canon Kabushiki Kaisha	H04M 1/02
PATTERN OF A MATERIAL	(72) ENDO, Michiaki	G04G 21/02
(73) HP Indigo B.V.	(31) 2015170394	G04G 21/08
(72) KELLA, Dror	(32) 31.08.2015	G04G 21/04
NEGREANU, Eyal	(33) Japan	H02J 7/02
AMIR, Gidi	(51) G03G 21/18	(11) EP3403145
SANDLER, Mark	(11) EP2816419	(21) EP17741640.1
GRINWALD, Yaron	(21) EP14167900.1	(47) 07.10.2020
(51) G03G 15/00	(47) 07.10.2020	(87) KR2017000589
G03G 21/16	(22) 30.08.2012	27.07.2017
G03G 21/18	(54) Developing cartridge having housing and	(22) 18.01.2017
(11) EP3486729	developing roller	(54) ELECTRONIC DEVICE
(21) EP18207343.7	(73) Brother Kogyo Kabushiki Kaisha	(73) LG Electronics Inc.

(72) KIM, Byoungdoo OH, Hyunseok KWAK, Myoungsoon	(22) 02.06.2016	(11) EP2232358
(31) 20160005802	(54) SYSTEM AND METHOD FOR HANDLING EQUIPMENT SERVICE FOR	(21) EP08861911.9
(32) 18.01.2016	MODEL PREDICTIVE CONTROLLERS AND ESTIMATORS	(47) 07.10.2020
(33) Korea (Republic)	(73) Shell Internationale Research Maatschappij B.V.	(87) US2008085630
(51) G04B 37/22	(72) CARRETTE, Pierre Christian Marie	25.06.2009
(11) EP3559759	WILLIAMSON, John Martin	(22) 05.12.2008
(21) EP17823101.5	VALIQUETTE, Jean	(54) A CONFIGURABLE WALL MODULE SYSTEM
(47) 07.10.2020	ZHOU, HengJie	(73) Honeywell International Inc.
(87) EP2017083639	CANNEY, William Matthew	(72) BRAY, William J.
28.06.2018	(31) 201562171583 P	JHAWAR, Ankur
(22) 19.12.2017	(32) 05.06.2015	KASPER, Gary P.
(54) TIMEPIECE COMPONENT MADE OF COMPOSITE MATERIAL	(33) United States of America	LABERGE, Jason C.
(73) The Swatch Group Research and Development Ltd	(51) G05B 15/02	ANDRZEJEWSKI, Jakub
(72) FRANÇOIS, Nicolas	G05B 19/02	WACKER, Paul C.
KISSLING, Gregory	H04L 12/28	GHULE, Siddharth
BOURBAN, Stewes	(11) EP3501143	GUTHA, Stalin
MULLER, Juliette	(21) EP17764682.5	JOHNSON, Bruce S.
BAZIN, Jean-Luc	(47) 07.10.2020	(31) 957253
(31) 16205356	(87) US2017046269	(32) 14.12.2007
(32) 20.12.2016	22.02.2018	(33) United States of America
(33) European Patent Office (EPO)	(22) 10.08.2017	(51) G05B 19/042
(51) G04C 3/00	(54) SYSTEM AND METHOD FOR UTILIZATION OF DEVICE-	G05F 1/66
G04C 17/00	INDEPENDENT SCENES IN A SMART	G06F 1/26
G04G 9/00	HOME ENVIRONMENT	(11) EP3137952
(11) EP3489770	(73) PCMS Holdings, Inc.	(21) EP15719192.5
(21) EP18191435.9	(72) EDWARDS, Keith	(47) 07.10.2020
(47) 07.10.2020	IGOE, Patrick Thomas	(87) EP2015058801
(22) 29.08.2018	KIM, Sanghoon	05.11.2015
(54) WATCH TYPE TERMINAL WITH ANALOG WATCH PART AND SMART FUNCTIONS	(31) 201662377206 P	(22) 23.04.2015
(73) LG ELECTRONICS INC.	(32) 19.08.2016	(54) PARAMETERIZABLE ENERGY SUPPLY DEVICE
(72) CHANG, Minkyong	(33) United States of America	(73) Phoenix Contact GmbH & Co. KG
JOO, Younghun	(51) G05B 15/02	(72) ZEUCH, Jochen
HA, Won	G05B 23/02	HENKEL, Hartmut
PARK, Dongcheon	(11) EP2332020	SCHWEER, Patrick
(31) 201762591155 P	(21) EP09792106.8	(31) 102014105913
20170184682	(47) 07.10.2020	(32) 28.04.2014
(32) 27.11.2017	(87) US2009055516	(33) Germany
29.12.2017	11.03.2010	(51) G05B 19/042
(33) United States of America	(22) 31.08.2009	G06F 21/55
Korea (Republic)	(54) FLUID PROCESS CONTROL	G06F 21/57
(51) G05B 13/04	(73) Dresser, Inc.	(11) EP3101490
(11) EP2732343	(72) BOGER, Henry W.	(21) EP16170941.5
(21) EP12716318.6	(31) 204635	(47) 07.10.2020
(47) 07.10.2020	(32) 04.09.2008	(22) 24.05.2016
(87) EP2012056496	(33) United States of America	(54) RAPID CONFIGURATION SECURITY SYSTEM FOR INDUSTRIAL CONTROL INFRASTRUCTURE
17.01.2013	(51) G05B 19/00	(73) Rockwell Automation Technologies, Inc.
(22) 11.04.2012	H04L 7/00	(72) CHAND, Sujeet
(54) AUTOMATED ADAPTATION OF A POWER PLANT CONTROL	(11) EP2928110	VASKO, David A.
(73) Siemens Aktiengesellschaft	(21) EP14163047.5	MCMULLEN, Brian J.
(72) GROGANZ, Julian	(47) 07.10.2020	SEGER, Daniel B.
RUPP, Joachim	(22) 01.04.2014	(31) 201514728236
WENDELBERGER, Klaus	(54) Method for synchronising an isochronous system with a higher level clock system	(32) 02.06.2015
(31) 102011079107	(73) Siemens Aktiengesellschaft	(33) United States of America
(32) 13.07.2011	(72) Gross, Markus	(51) G05B 19/4063
(33) Germany	Käsdorf, Oswald	(11) EP3483679
(51) G05B 13/04	Schleußinger, Armin	(21) EP17914175.9
(11) EP3304221	von der Bank, Michael	(47) 07.10.2020
(21) EP16804412.1	(51) G05B 19/042	(87) JP2017022738
(47) 07.10.2020	G05B 19/10	27.12.2018
(87) US2016035468	G05D 23/19	(22) 20.06.2017
08.12.2016	G06F 3/048	(54) MACHINE TOOL MANAGEMENT SYSTEM AND MACHINE TOOL MANAGEMENT METHOD
	F24F 11/30	(73) Yamazaki Mazak Corporation
	F24F 110/00	

(72) YAMAMOTO Hiromasa ITOH Masatoshi SANO Kenji MATSUDA Tatsuya YOSHIDA Kento KITAYAMA Jumpei	(32) 25.08.2009 28.08.2009 (33) Denmark United States of America	G05D 23/19 F24F 11/00 F24F 11/30 F24F 110/10 F24F 120/10 F24F 120/20
(51) G05B 19/418 (11) EP3400492 (21) EP17704561.4 (47) 07.10.2020 (87) US2017012162 13.07.2017 (22) 04.01.2017 (54) POWER TOOL SYSTEM HAVING IN- STATION VERIFICATION UTILIZING RADIO FREQUENCY SIGNAL STRENGTH (73) Newfrey LLC (72) KHALAF, Zuher Naim (31) 201614991612 (32) 08.01.2016 (33) United States of America	(11) EP3268862 (21) EP15722669.7 (47) 07.10.2020 (87) EP2015059170 03.11.2016 (22) 28.04.2015 (54) METHOD AND APPARATUS FOR GENERATING A FAULT TREE FOR A FAILURE MODE OF A COMPLEX SYSTEM (73) Siemens Aktiengesellschaft (72) HEILMANN, Reiner HÖFIG, Kai	(11) EP3341658 (21) EP16840032.3 (47) 07.10.2020 (87) US2016048388 02.03.2017 (22) 24.08.2016 (54) THERMOSTAT WITH MULTIPLE SENSING SYSTEMS INTEGRATED THEREIN (73) Google LLC (72) STEFANSKI, John ALBONICO, Marcus BUENAVENTURA, Orville GOYAL, Vivek SCHOENEN, Alexander GIUSTINA, Giancarlo GUPTA, Anurag STEFANSKI, Mark SLOO, David SALTZMAN, David GUENETTE, Isabel
(51) G05B 19/418 (11) EP3507662 (21) EP17780978.7 (47) 07.10.2020 (87) AT2017060208 08.03.2018 (22) 28.08.2017 (54) METHOD FOR OPERATING AN INDUSTRIAL CONTROL SYSTEM AND CORRESPONDING CONTROL SYSTEM (73) KEBA AG (72) FISCHER, Harald (31) 507742016 (32) 01.09.2016 (33) Austria	(51) G05B 23/02 (11) EP3441947 (21) EP18187578.2 (47) 07.10.2020 (22) 06.08.2018 (54) SYSTEM AND METHOD FOR REMAINING USEFUL LIFE DETERMINATION (73) The Boeing Company (72) MARTIN, Charles E. LU, Tsai-Ching JOHNSON, Samuel D. SLAUGHTER, Steve MURPHY, Alice A. WEZDENKO, Christopher R.	(31) 201514836699 201514836648 201514836568 (32) 26.08.2015 26.08.2015 26.08.2015 (33) United States of America United States of America United States of America
(51) G05B 23/02 (11) EP3264210 (21) EP17172153.3 (47) 07.10.2020 (22) 22.05.2017 (54) SAFETY SYSTEM, PROGRAM, AND METHOD (73) Omron Corporation (72) UEDA, Takamasa MATSUI, Asahi TAKUMA, Nobuyuki SUGANUMA, Hiromu FUJIMURA, Ryosuke (31) 2016129846 (32) 30.06.2016 (33) Japan	(31) 201715670289 (32) 07.08.2017 (33) United States of America (51) G05D 1/02 (11) EP3030943 (21) EP13747828.5 (47) 07.10.2020 (87) EP2013066463 12.02.2015 (22) 06.08.2013 (54) METHOD FOR OPERATING A FLOOR- CLEANING DEVICE AND FLOOR- CLEANING DEVICE (73) Robart GmbH (72) DÜNNE, Markus ARTES, Harold SCHAHNPAR, Michael	(51) G05F 1/66 H02J 3/14 H02J 13/00 (11) EP2874274 (21) EP13817375.2 (47) 07.10.2020 (87) JP2013004269 16.01.2014 (22) 10.07.2013 (54) POWER CONTROL DEVICE, POWER CONTROL METHOD AND POWER CONTROL SYSTEM (73) Kyocera Corporation (72) NAKAYAMA, Taku (31) 2012156006 (32) 11.07.2012 (33) Japan
(51) G05B 23/02 F03D 17/00 (11) EP2290488 (21) EP10173203.0 (47) 07.10.2020 (22) 18.08.2010 (54) A method and a system for adjusting alarm level of a component in a wind turbine (73) Vestas Wind Systems A/S (72) Zhou, Yu Zhang, Tie Ling (31) 200970098 237708 P	(51) G05D 16/10 (11) EP3605266 (21) EP19174138.8 (47) 07.10.2020 (22) 13.05.2019 (54) BYPASS AND PRESSURE ADJUSTMENT VALVE (73) Tecomec S.r.l. (72) ZEDIU, PAUL MARIUS TONDELLI, CORRADO (31) 201800007616 (32) 30.07.2018 (33) Italy (51) G05D 23/00	(51) G05G 5/03 (11) EP3422138 (21) EP17756298.0 (47) 07.10.2020 (87) JP2017005256 31.08.2017 (22) 14.02.2017 (54) OPERATION DEVICE (73) Alps Alpine Co., Ltd. (72) TAKAHASHI, Kazunari GOTO, Atsushi (31) 2016036429 (32) 26.02.2016 (33) Japan (51) G06F 1/04

G06F 13/00	G07F 7/08	TAKEI, Masaya
H04L 12/26	G06Q 20/40	FUJITA, Kumpei
(11) EP3063640	(11) EP3371744	IKUTA, Hiroki
(21) EP13896809.4	(21) EP16863000.2	HIROSE, Shinji
(47) 07.10.2020	(47) 07.10.2020	AKAMA, Tetsuya
(87) US2013067396	(87) US2016060394	TSUCHIYA, Hitoshi
07.05.2015	11.05.2017	(31) 2015119707
(22) 30.10.2013	(22) 03.11.2016	(32) 12.06.2015
(54) A METHOD, APPARATUS AND SYSTEM FOR MEASURING LATENCY IN A PHYSICAL UNIT OF A CIRCUIT	(54) INTEGRATED POWER SOURCE ON A PAYMENT DEVICE	(33) Japan
(73) Intel Corporation	(73) Visa International Service Association	(51) G06F 1/16
(72) HARRIMAN, David J.	(72) HOWARD, Kelvan	G06K 9/00
WAGH, Mahesh	(31) 201514932670	G06K 9/20
ISMAL, Abdul R.	(32) 04.11.2015	G06F 1/3234
FROELICH, Daniel S.	(33) United States of America	(11) EP3608748
(51) G06F 1/10	(51) G06F 1/16	(21) EP18798336.6
H03M 1/06	G06F 3/01	(47) 07.10.2020
H03M 1/08	(11) EP3143474	(87) CN2018084706
H03M 1/66	(21) EP15731144.0	15.11.2018
(11) EP2991229	(47) 07.10.2020	(22) 26.04.2018
(21) EP15182938.9	(87) US2015031127	(54) FINGERPRINT COLLECTION METHOD AND RELEVANT PRODUCT
(47) 07.10.2020	19.11.2015	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(22) 28.08.2015	(22) 15.05.2015	(72) YANG, Le
(54) SYNCHRONIZATION FOR MULTIPLE ARBITRARY WAVEFORM GENERATORS	(54) WEARABLE DEVICES FOR COURIER PROCESSING AND METHODS OF USE THEREOF	ZHANG, Haiping
(73) Tektronix, Inc.	(73) Federal Express Corporation	(31) 201710342841
(72) Cheren, Geoffrey	(72) BURCH, Reuben	(32) 12.05.2017
(31) 201462043991 P	(31) 201461993868 P	(33) China
201414577952	(32) 15.05.2014	(51) G06F 1/16
(32) 29.08.2014	(33) United States of America	G08C 17/02
19.12.2014	(51) G06F 1/16	G06F 3/0484
(33) United States of America	G06F 3/01	G06F 3/0488
United States of America	(11) EP2836883	H05B 47/10
(51) G06F 1/12	(21) EP13721363.3	H05B 47/105
H04L 7/00	(47) 07.10.2020	H05B 47/19
(11) EP3217249	(87) FI2013050368	(11) EP3033927
(21) EP15856712.3	17.10.2013	(21) EP14781674.8
(47) 07.10.2020	(22) 05.04.2013	(47) 07.10.2020
(87) CN2015093142	(54) MULTI-SEGMENT WEARABLE ACCESSORY	(87) IB2014063893
12.05.2016	(73) Nokia Technologies Oy	19.02.2015
(22) 29.10.2015	(72) LYONS, Kenton	(22) 13.08.2014
(54) METHOD AND STRUCTURE FOR DETERMINING INTER-SYSTEM GLOBAL CLOCK	(31) 201261624039 P	(54) LIGHTING CONTROL VIA A MOBILE COMPUTING DEVICE
(73) The Wuhan Digital Pet Co., Ltd	201213591679	(73) Signify Holding B.V.
(72) ZHANG, Bo	(32) 13.04.2012	(72) LASHINA, Tatiana Aleksandrovna
FANG, Lei	22.08.2012	VAN DE SLUIS, Bartel Marinus
(31) 201410617644	(33) United States of America	NEWTON, Philip Steven
(32) 03.11.2014	United States of America	ALIAKSEYEU, Dzmityr Viktorovich
(33) China	(51) G06F 1/16	DEKKER, Tim
(51) G06F 1/16	G06F 3/01	(31) 201361866735 P
(11) EP2741167	G06F 3/03	(32) 16.08.2013
(21) EP13005519.7	G06F 3/14	(33) United States of America
(47) 07.10.2020	G08C 17/02	(51) G06F 1/16
(22) 27.11.2013	G08C 19/00	G09G 5/00
(54) Portable data acquisition device	G06F 3/0346	G06F 3/0354
(73) Diehl Metering Systems GmbH	A63F 13/23	G06F 3/0484
(72) Bauer, Andreas	A63F 13/24	G06F 3/0485
(31) 102012023535	A63F 13/26	G06F 3/0488
(32) 30.11.2012	A63F 13/98	(11) EP2409295
(33) Germany	(11) EP3269434	(21) EP10778133.8
(51) G06F 1/16	(21) EP17188271.5	(47) 07.10.2020
G06F 1/26	(47) 07.10.2020	(87) US2010034659
G06K 19/07	(22) 10.06.2016	25.11.2010
G06K 19/073	(54) SUPPORTING DEVICE, CHARGING DEVICE AND CONTROLLER SYSTEM	(22) 13.05.2010
G06K 19/077	(73) Nintendo Co., Ltd.	(54) CUSTOMIZATION OF GUI LAYOUT BASED ON HISTORY OF USE
	(72) IWAO, Toshiaki	(73) Sony Interactive Entertainment Inc.
		(72) ZALEWSKI, Gary M.

NICHOLSON, Charles	(51) G06F 1/16	(47) 07.10.2020
(31) 180400 P	H04L 29/08	(22) 28.11.2018
574887	H04W 4/02	(54) ELECTRONIC APPARATUS
(32) 21.05.2009	(11) EP3496428	(73) GUANGDONG OPPO MOBILE
07.10.2009	(21) EP18208246.1	TELECOMMUNICATIONS CORP., LTD.
(33) United States of America	(47) 07.10.2020	(72) FAN, Xiaoyu
United States of America	(22) 26.11.2018	ZHANG, Zhengshan
(51) G06F 1/16	(54) MEASUREMENT RESULT	(31) 201820235479 U
H01G 4/35	MANAGEMENT APPARATUS	(32) 09.02.2018
H01G 4/40	AND MEASUREMENT RESULT	(33) China
H01L 27/02	MANAGEMENT METHOD	(51) G06F 1/16
H02H 9/04	(73) FUJITSU LIMITED	H04M 1/02
H05K 1/02	(72) NAKAMURA, Yosuke	(11) EP3525433
(11) EP3062321	NIMURA, Kazuaki	(21) EP18210844.9
(21) EP15831205.8	(31) 2017233564	(47) 07.10.2020
(47) 07.10.2020	(32) 05.12.2017	(22) 06.12.2018
(87) KR2015007121	(33) Japan	(54) MOBILE TERMINAL
26.05.2016	(51) G06F 1/16	(73) GUANGDONG OPPO MOBILE
(22) 09.07.2015	H04M 1/02	TELECOMMUNICATIONS CORP., LTD.
(54) ELECTRONIC DEVICE EQUIPPED	(11) EP3163845	(72) FAN, Xiaoyu
WITH ELECTRIC SHOCK	(21) EP14898048.5	ZHANG, Zhengshan
PROTECTION DEVICE	(47) 07.10.2020	(31) 201820234174 U
(73) Amotech Co. Ltd.	(87) CN2014082828	(32) 09.02.2018
(72) KIM, Tong Gi	28.01.2016	(33) China
YU, Jun-suh	(22) 23.07.2014	(51) G06F 1/24
PARK, Kyu Hwan	(54) TERMINAL DEVICE	H03C 3/09
SUN, Gui Nam	(73) Huawei Technologies Co., Ltd.	(11) EP2408111
RYU, Jae Su	(72) YIN, Bangshi	(21) EP10750685.9
LIM, Byung guk	LI, Ruifeng	(47) 07.10.2020
KIM, Rieon	LUO, Jianhong	(87) JP2010052940
(31) 20140162858	LIU, Xiulang	16.09.2010
20150018445	WANG, Yan	(22) 25.02.2010
20150094268	GAO, Jiuliang	(54) POWER-ON RESET CIRCUIT
(32) 20.11.2014	YANG, Fan	(73) Thine Electronics, Inc.
06.02.2015	WANG, Tao	(72) SUZUKI, Hajime
01.07.2015	LI, Hui	MIURA, Satoshi
(33) Korea (Republic)	(51) G06F 1/16	(31) 2009057651
Korea (Republic)	H04M 1/02	(32) 11.03.2009
Korea (Republic)	(11) EP3525426	(33) Japan
(51) G06F 1/16	(21) EP18208538.1	(51) G06F 1/26
H02J 9/00	(47) 07.10.2020	G06F 1/28
H04M 1/725	(22) 27.11.2018	H03K 3/03
H04W 52/02	(54) MOBILE TERMINAL	H03K 19/003
G06F 1/3215	(73) GUANGDONG OPPO MOBILE	(11) EP3326046
G06F 1/3231	TELECOMMUNICATIONS CORP., LTD.	(21) EP16832339.2
G06F 1/329	(72) FAN, Xiaoyu	(47) 07.10.2020
(11) EP2829087	ZHANG, Zhengshan	(87) CN2016093239
(21) EP13707965.3	(31) 201820235119 U	09.02.2017
(47) 07.10.2020	(32) 09.02.2018	(22) 04.08.2016
(87) US2013026324	(33) China	(54) APPARATUS AND SCHEME FOR
26.09.2013	(51) G06F 1/16	IO-PIN-LESS CALIBRATION OR
(22) 15.02.2013	H04M 1/02	TRIMMING OF ON-CHIP REGULATORS
(54) CONTROLLING APPLICATIONS IN	(11) EP3525434	(73) Huawei Technologies Co., Ltd.
A MOBILE DEVICE BASED ON THE	(21) EP18210847.2	(72) CHEN, Wei
ENVIRONMENTAL CONTEXT	(47) 07.10.2020	YANG, Tongzeng
(73) QUALCOMM Incorporated	(22) 06.12.2018	ORAKWUE, Chukwuchem
(72) JIN, Minh	(54) MOBILE TERMINAL	Chinemelum
KIM, Taesu	(73) GUANGDONG OPPO MOBILE	(31) 201514820380
YOU, Kisun	TELECOMMUNICATIONS CORP., LTD.	(32) 06.08.2015
CHO, Hyun-Mook	(72) FAN, Xiaoyu	(33) United States of America
KOO, Hyung-Il	ZHANG, Zhengshan	(51) G06F 1/26
KIM, Duck-Hoon	(31) 201820234928 U	H02J 1/00
(31) 201261613457 P	(32) 09.02.2018	H02J 3/36
201313767028	(33) China	H02J 5/00
(32) 20.03.2012	(51) G06F 1/16	(11) EP3432435
14.02.2013	H04M 1/02	(21) EP17766537.9
(33) United States of America	(11) EP3525428	(47) 07.10.2020
United States of America	(21) EP18208893.0	(87) JP2017009476

21.09.2017	(54) DEVICE AND METHOD FOR	(21) EP15722363.7
(22) 09.03.2017	PROCESSING A VIRTUAL WORLD	(47) 07.10.2020
(54) INPUT VOLTAGE CONTROL DEVICE	(73) Samsung Electronics Co., Ltd.	(87) JP2015062316
(73) NTN Corporation	(72) HAN, Jae Joon	20.10.2016
(72) HANEDA Masaji	HAN, Seung Ju	(22) 16.04.2015
(31) 2016055821	BANG, Won Chul	(54) GESTURE INTERFACE
(32) 18.03.2016	KIM, Do Kyoou	(73) Rakuten, Inc.
(33) Japan	(31) 20100033947	(72) ACH, Laurent
(51) G06F 1/26	20110024448	PREPIN, Ken
H04L 12/24	(32) 13.04.2010	LEJEUNE, Cecilia
H04L 12/28	18.03.2011	(51) G06F 3/01
(11) EP3556056	(33) Korea (Republic)	H04M 1/02
(21) EP17808021.4	Korea (Republic)	H04M 1/725
(47) 07.10.2020	(51) G06F 3/01	G06F 3/0482
(87) EP2017079264	G06F 3/0346	G06F 3/0484
21.06.2018	G06F 3/048	G06F 3/0487
(22) 15.11.2017	G06F 3/0481	(11) EP2662764
(54) ACTUATOR WITH A USB INTERFACE	G06F 3/0484	(21) EP13160866.3
(73) Siemens Schweiz AG	G06F 3/0485	(47) 07.10.2020
(72) BETSCHART, Adrian	G06F 3/0487	(22) 25.03.2013
SOLTERMANN, Sacha	(11) EP3042276	(54) Mobile terminal and control method
(31) 102016224861	(21) EP14842853.5	thereof
(32) 13.12.2016	(47) 07.10.2020	(73) LG ELECTRONICS INC.
(33) Germany	(87) US2014053658	(72) Choi, Jaeho
(51) G06F 1/28	12.03.2015	Chi, Jumin
G06F 11/30	(22) 02.09.2014	Park, Jiyoung
G06F 11/32	(54) TILTING TO SCROLL	Kim, Sujin
G11C 5/14	(73) Facebook, Inc.	Yoon, Sunghye
G11C 7/20	(72) MATAS, Michael	(31) 20120049342
H03K 17/22	CUNNINGHAM, Benjamin	(32) 09.05.2012
(11) EP3451338	(31) 201314019337	(33) Korea (Republic)
(21) EP17188639.3	(32) 05.09.2013	(51) G06F 3/041
(47) 07.10.2020	(33) United States of America	G06F 3/042
(22) 30.08.2017	(51) G06F 3/01	G06F 3/0362
(54) POWER SUPPLY READY INDICATOR	G06F 3/041	G06F 3/0484
CIRCUIT	H03K 17/945	(11) EP2786229
(73) NXP B.V.	(11) EP3382516	(21) EP12852892.4
(72) Hoogzaad, Gian	(21) EP16868397.7	(47) 07.10.2020
Hamidian, Amin	(47) 07.10.2020	(87) KR2012010328
Meng, Fanfan	(87) JP2016083404	06.06.2013
(51) G06F 3/00	01.06.2017	(22) 30.11.2012
G06F 3/14	(22) 10.11.2016	(54) ELECTRONIC DEVICE
G06F 3/16	(54) TACTILE SENSE PRESENTATION	(73) LG Electronics Inc.
G10L 21/10	DEVICE AND TACTILE SENSE	(72) PARK, Chala
(11) EP3082015	PRESENTATION METHOD	CHOI, Hyejin
(21) EP14869589.3	(73) Kyocera Corporation	(31) 20110127444
(47) 07.10.2020	(72) MURAKAMI, Kazuhiro	(32) 01.12.2011
(87) KR2014012018	(31) 2015232210	(33) Korea (Republic)
18.06.2015	(32) 27.11.2015	(51) G06F 3/041
(22) 08.12.2014	(33) Japan	G06F 3/044
(54) METHOD AND APPARATUS FOR	(51) G06F 3/01	G06K 9/00
DISPLAYING IMAGE INFORMATION	G06F 3/0484	H01L 27/32
(73) Samsung Electronics Co., Ltd.	(11) EP3096207	G06F 3/0354
(72) JUN, Dongyo	(21) EP16165944.6	(11) EP2958052
(31) 20130154445	(47) 07.10.2020	(21) EP15179001.1
(32) 12.12.2013	(22) 19.04.2016	(47) 07.10.2020
(33) Korea (Republic)	(54) DISPLAY CONTROL METHOD,	(22) 10.04.2013
(51) G06F 3/01	DATA PROCESS APPARATUS, AND	(54) BIOMETRIC SENSING
A63F 13/212	PROGRAM	(73) IDEX ASA
A63F 13/23	(73) FUJITSU LIMITED	(72) BENKLEY III, Fred G.
A63F 13/428	(72) Imamura, Kyosuke	GEOFFROY, David Joseph
A63F 13/56	Murakami, Iori	(31) 201261622474 P
(11) EP2559463	(31) 2015104899	(32) 10.04.2012
(21) EP11769009.9	(32) 22.05.2015	(33) United States of America
(47) 07.10.2020	(33) Japan	(51) G06F 3/041
(87) KR2011002408	(51) G06F 3/01	G06F 3/044
20.10.2011	G06F 3/0484	H01L 27/32
(22) 06.04.2011	(11) EP3283938	(11) EP3343334

(21) EP15890174.4	(73) TPK Touch Solutions (Xiamen) Inc.	(72) CHEUNG, Chairy
(47) 07.10.2020	(72) Jiang, Yau-Chen	JONES, Taurean
(87) CN2015097884	Wu, Defa	(31) 201514634796
09.03.2017	Xie, Yanjun	(32) 28.02.2015
(22) 18.12.2015	Yan, Jianbin	(33) United States of America
(54) TOUCH CONTROL ELECTRODE	(31) 201210009306	(51) G06F 3/06
STRUCTURE, TOUCH CONTROL	(32) 06.01.2012	G06F 11/10
PANEL AND DISPLAY APPARATUS	(33) China	G06F 11/20
(73) BOE Technology Group Co., Ltd.	(51) G06F 3/044	(11) EP3528121
Chengdu BOE Optoelectronics	G06K 9/00	(21) EP19162602.7
Technology Co., Ltd.	(11) EP3506147	(47) 07.10.2020
(72) LONG, Yue	(21) EP16894802.4	(22) 07.08.2015
HUANG, Weiyun	(47) 07.10.2020	(54) ERROR RECOVERY IN A STORAGE
WANG, Yang	(87) CN2016096587	CLUSTER
(31) 201510543665	01.03.2018	(73) Pure Storage, Inc.
(32) 28.08.2015	(22) 24.08.2016	(72) Davis, John D.
(33) China	(54) CAPACITANCE INTERPRETATION	Hayes, John
(51) G06F 3/041	CIRCUIT AND FINGERPRINT	Zhangxi, Tan
H01B 13/00	RECOGNITION SYSTEM	Kannan, Hari
(11) EP3028126	(73) Shenzhen Goodix Technology Co., Ltd.	Miladinovic, Nenad
(21) EP14832317.3	(72) CHAO, Kuo-Hao	(31) 201414454501
(47) 07.10.2020	YANG, Meng-Ta	(32) 07.08.2014
(87) US2014047212	(51) G06F 3/048	(33) United States of America
05.02.2015	G06F 3/0481	(51) G06F 3/06
(22) 18.07.2014	G06F 3/0486	G06F 13/38
(54) BONDING ELECTRONIC	G06F 3/0488	G06F 9/4401
COMPONENTS TO PATTERNED	(11) EP2565764	G06F 16/182
NANOWIRE TRANSPARENT	(21) EP11774728.7	(11) EP2852897
CONDUCTORS	(47) 07.10.2020	(21) EP13793195.2
(73) 3M Innovative Properties Company	(87) JP2011056364	(47) 07.10.2020
(72) STAY, Matthew S.	03.11.2011	(87) US2013041871
PEKUROVSKY, Mikhail L.	(22) 17.03.2011	28.11.2013
DODDS, Shawn C.	(54) INFORMATION PROCESSING	(22) 20.05.2013
GILMAN, Ann M.	TERMINAL AND OPERATION	(54) SERVER-BASED HIERARCHICAL
THEIS, Daniel J.	CONTROL METHOD FOR SAME	MASS STORAGE SYSTEM
(31) 201361860841 P	(73) NEC Corporation	(73) Microsoft Technology Licensing, LLC
(32) 31.07.2013	(72) SHIOTA, Naoki	(72) COMETTO, Maurilio
(33) United States of America	(31) 2010105397	PANGAL, Gururaj
(51) G06F 3/043	(32) 30.04.2010	DEGAN, Ady
H04L 12/24	(33) Japan	(31) 201261649305 P
H04M 1/725	(51) G06F 3/0482	(32) 20.05.2012
G06F 3/0488	G06F 3/0488	(33) United States of America
G06F 9/451	(11) EP2895941	(51) G06F 3/06
(11) EP3557391	(21) EP13837537.3	H04L 29/08
(21) EP19176975.1	(47) 07.10.2020	G06F 12/08
(47) 07.10.2020	(87) US2013054574	G06F 16/00
(22) 05.02.2014	20.03.2014	(11) EP2972893
(54) MOBILE TERMINAL AND CONTROL	(22) 12.08.2013	(21) EP14724193.9
METHOD THEREOF	(54) INTERACTING WITH RADIAL MENUS	(47) 07.10.2020
(73) LG Electronics Inc.	FOR TOUCHSCREENS	(87) US2014025111
(72) PARK, Jongseok	(73) Google LLC	02.10.2014
CHOI, Jinhae	(72) KUSCHER, Alexander, Friedrich	(22) 12.03.2014
KIM, Andy	KUHNE, Stefan	(54) CACHING CONTENT ADDRESSABLE
LEE, Chulbae	(31) 201213615226	DATA CHUNKS FOR STORAGE
SAW, Yoosok	(32) 13.09.2012	VIRTUALIZATION
OH, Hyunghoon	(33) United States of America	(73) Microsoft Technology Licensing, LLC
KIM, Eunyoung	(51) G06F 3/0484	(72) SENGUPTA, Sudipta
LEE, Younghoon	G06F 40/106	ZHU, Chenguang
(31) 20130080560	G06F 40/177	CHEUNG, Chun Ho
(32) 09.07.2013	G06F 40/18	LI, Jin
(33) Korea (Republic)	(11) EP3262497	GUPTA, Abhishek
(51) G06F 3/044	(21) EP16712572.3	(31) 201313830950
(11) EP2613235	(47) 07.10.2020	(32) 14.03.2013
(21) EP12166497.3	(87) US2016019997	(33) United States of America
(47) 07.10.2020	01.09.2016	(51) G06F 7/00
(22) 03.05.2012	(22) 28.02.2016	G06T 7/00
(54) Touch panel and a manufacturing method	(54) CONTEXTUAL ZOOM	(11) EP2406709
thereof	(73) Microsoft Technology Licensing, LLC	(21) EP10751148.7

<p>(47) 07.10.2020 (87) US2010020755 16.09.2010 (22) 12.01.2010 (54) MANAGING NON-DESTRUCTIVE EVALUATION DATA (73) Etegent Technologies, Ltd. (72) KESLER, Joe LIGGET, Uriah, M. ROTH, Richard, A., II SHARP, Thomas, D. (31) 557136 617315 403274 (32) 10.09.2009 12.11.2009 12.03.2009 (33) United States of America United States of America United States of America <hr/> (51) G06F 7/58 G09C 1/00 (11) EP3232319 (21) EP16737363.8 (47) 07.10.2020 (87) JP2016050803 21.07.2016 (22) 13.01.2016 (54) RANDOM NUMBER GENERATION APPARATUS, RANDOM NUMBER GENERATION METHOD AND PROGRAM (73) Nippon Telegraph and Telephone Corporation (72) IKARASHI, Dai (31) 2015004886 (32) 14.01.2015 (33) Japan <hr/> (51) G06F 8/30 G06F 40/149 G06F 40/205 G06F 40/221 (11) EP3019954 (21) EP14744690.0 (47) 07.10.2020 (87) US2014044790 15.01.2015 (22) 30.06.2014 (54) PARSER GENERATION (73) AB Initio Technology LLC (72) SENESKI, Mark E. SHULMAN, Alexander (31) 201361845722 P 201314087158 (32) 12.07.2013 22.11.2013 (33) United States of America United States of America <hr/> (51) G06F 8/41 G06F 8/61 G06F 8/71 (11) EP2815309 (21) EP13748809.4 (47) 07.10.2020 (87) US2013024559 22.08.2013 (22) 04.02.2013</p>	<p>(54) GENERATING AND CACHING SOFTWARE CODE (73) Microsoft Technology Licensing, LLC (72) FISHER, Jomo JACKSON, Michael Wayne KILIC, Yunus LUCCO, Steven Edward MCGATHA, Jesse D. MIADOWICZ, Jędrzej Z. STEINER, Steven J. (31) 201213371479 (32) 13.02.2012 (33) United States of America <hr/> (51) G06F 8/656 G06F 16/21 (11) EP3405867 (21) EP17704118.3 (47) 07.10.2020 (87) US2017013617 27.07.2017 (22) 16.01.2017 (54) DATABASE AND SERVICE UPGRADE WITHOUT DOWNTIME (73) Microsoft Technology Licensing, LLC (72) ZHENG, Zhong LIN, Haibo WANG, Silan (31) 201615003542 (32) 21.01.2016 (33) United States of America <hr/> (51) G06F 9/00 G06F 9/50 H04L 29/06 G06F 21/44 G06F 8/61 G06F 9/445 G06F 9/455 (11) EP3391270 (21) EP16840361.6 (47) 07.10.2020 (87) US2016067292 22.06.2017 (22) 16.12.2016 (54) SOFTWARE CONTAINER REGISTRY SERVICE (73) Amazon Technologies, Inc. (72) SUAREZ, Anthony Joseph WINDSOR, Scott Kerns HAYRAPETYAN, Nare GERDESMEIER, Daniel Robert PRAKASH, Pooja Kalpana (31) 201514975631 201514975627 201514975637 (32) 18.12.2015 18.12.2015 18.12.2015 (33) United States of America United States of America United States of America <hr/> (51) G06F 9/38 (11) EP3067794 (21) EP15196249.5 (47) 07.10.2020 (22) 25.11.2015 (54) SYSTEM AND METHOD OF REISSUE PARKING FOR A MICROPROCESSOR (73) VIA Alliance Semiconductor Co., Ltd.</p>	<p>(72) Zou, Penghao Yang, Meng-Chen Wang, Jianbin Yu, Xiaoyuan Gao, Xin-Yu (31) 201510101450 (32) 09.03.2015 (33) China <hr/> (51) G06F 9/4401 G06F 9/445 (11) EP2891059 (21) EP13753490.5 (47) 07.10.2020 (87) US2013055635 06.03.2014 (22) 19.08.2013 (54) LAYOUT AND EXECUTION OF OPERATING SYSTEMS USING BPRAM (73) Microsoft Technology Licensing, LLC (72) NIGHTINGALE, Edmund SRINIVASAN, Ky (31) 201213598621 (32) 30.08.2012 (33) United States of America <hr/> (51) G06F 9/4401 G06F 9/445 (11) EP3513285 (21) EP17761739.6 (47) 07.10.2020 (87) US2017048404 22.03.2018 (22) 24.08.2017 (54) BOOTING TO A SERVICE (73) Google LLC (72) MARTIN PEREZ, Alberto (31) 201615264980 (32) 14.09.2016 (33) United States of America <hr/> (51) G06F 9/4401 G06F 9/445 (11) EP3514685 (21) EP19150934.8 (47) 07.10.2020 (22) 09.01.2019 (54) PROCESSING SYSTEM, RELATED INTEGRATED CIRCUIT, DEVICE AND METHOD (73) STMicroelectronics Application GmbH (72) COLOMBO, Mr. Roberto (31) 201800001633 (32) 22.01.2018 (33) Italy <hr/> (51) G06F 9/46 G06F 9/48 G06F 9/455 (11) EP3089033 (21) EP13900228.1 (47) 07.10.2020 (87) JP2013085033 02.07.2015 (22) 27.12.2013 (54) REALTIME HYPERVISOR WITH PRIORITY INTERRUPT SUPPORT (73) Hitachi, Ltd. (72) MINE, Hiroshi OSHIMA, Satoshi <hr/> (51) G06F 9/50</p>
---	---	--

(11) EP2541408	(21) EP11170793.1	(22) 27.08.2015
(21) EP11305822.6	(47) 07.10.2020	(54) METHOD, DEVICE AND SYSTEM FOR INVOKING LOCAL SERVICE ASSEMBLY BY BROWSER
(47) 07.10.2020	(22) 21.06.2011	(73) Alibaba Group Holding Limited
(22) 28.06.2011	(54) Data processing apparatus	(72) WANG, Yaoyao
(54) Method and system for processing data for database modification	(73) Brother Kogyo Kabushiki Kaisha	(31) 201410446702
(73) Amadeus S.A.S.	(72) Yamada, Jun	(32) 03.09.2014
(72) Jullien, René	Asai, Norihiko	(33) China
Moreau Vincent	(31) 2010147430	<hr/>
Becker Muriel	2011067254	(51) G06F 11/14
<hr/>	(32) 29.06.2010	(11) EP3531290
(51) G06F 9/50	15.07.2010	(21) EP17865447.1
G06F 11/30	25.03.2011	(47) 07.10.2020
H04L 9/30	(33) Japan	(87) CN2017093431
H04L 9/32	Japan	03.05.2018
H04L 12/24	Japan	(22) 18.07.2017
H04L 12/26	<hr/>	(54) DATA BACKUP METHOD, APPARATUS, ELECTRONIC DEVICE, STORAGE MEDIUM, AND SYSTEM
H04L 29/06	(51) G06F 9/54	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
H04W 40/24	H04W 4/06	(72) MA, Zhifeng
G06F 21/31	(11) EP3592004	(31) 201610939625
G06F 21/44	(21) EP17900023.7	(32) 25.10.2016
G06F 21/55	(47) 07.10.2020	(33) China
(11) EP3395102	(87) CN2017107186	<hr/>
(21) EP16877844.7	13.09.2018	(51) G06F 11/16
(47) 07.10.2020	(22) 21.10.2017	G06F 13/32
(87) FI2016050236	(54) BROADCAST PROCESSING METHOD, DEVICE, STORAGE MEDIUM AND TERMINAL DEVICE	(11) EP3457292
29.06.2017	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(21) EP18186793.8
(22) 12.04.2016	(72) WU, Ruyu	(47) 07.10.2020
(54) NETWORK MANAGEMENT	PEI, Runsheng	(22) 01.08.2018
(73) Comptel OY	FU, Liangjing	(54) SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE AND DATA COMPARING METHOD
(72) LACEY, Stephen	LIN, Zhiyong	(73) Renesas Electronics Corporation
JARVA, Mikko	ZHANG, Jun	(72) YAMADA, Hiromichi
(31) PI2015704758	(31) 201710140903	YAMATE, Akihiro
(32) 23.12.2015	(32) 10.03.2017	YUYAMA, Yoichi
(33) Malaysia	(33) China	(31) 2017178074
<hr/>	<hr/>	(32) 15.09.2017
(51) G06F 9/50	(51) G06F 9/54	(33) Japan
G06Q 30/00	H04W 4/06	<hr/>
G06F 9/44	H04W 12/12	(51) G06F 11/20
G06F 9/4401	H04W 52/02	(11) EP3495957
G06F 9/455	(11) EP3592003	(21) EP18204351.3
(11) EP3161621	(21) EP17899953.8	(47) 07.10.2020
(21) EP15742506.7	(47) 07.10.2020	(22) 05.11.2018
(47) 07.10.2020	(87) CN2017106608	(54) FAILURE TOLERANT DATA STORAGE ACCESS UNIT, FAILURE TOLERANT DATA STORAGE ACCESS SYSTEM AND METHOD FOR ACCESSING A DATA STORAGE
(87) US2015040621	13.09.2018	(73) Rohde & Schwarz GmbH & Co. KG
21.01.2016	(22) 17.10.2017	(72) Arend, Michael
(22) 15.07.2015	(54) BROADCAST CONTROL METHOD, DEVICE, STORAGE MEDIUM AND MOBILE TERMINAL	Bartelt, Felix
(54) CLOUD FIRMWARE	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	Thometzek, Dirk
(73) Huawei Technologies Co. Ltd.	(72) LIN, Zhiyong	(31) 201715835208
(72) WEI, An	PEI, Runsheng	(32) 07.12.2017
SHEN, Kangkang	FU, Liangjing	(33) United States of America
(31) 201462024816 P	WU, Ruyu	<hr/>
(32) 15.07.2014	ZHANG, Jun	(51) G06F 11/30
(33) United States of America	(31) 201710144290	G06F 11/34
<hr/>	(32) 10.03.2017	G06F 11/36
(51) G06F 9/50	(33) China	G06F 30/3323
H04L 29/08	<hr/>	G06F 30/39
H04W 4/38	(51) G06F 11/07	G06F 119/18
(11) EP2870536	H04L 29/06	(11) EP3249535
(21) EP12797947.4	H04L 29/08	(21) EP17172921.3
(47) 07.10.2020	(11) EP3190766	(47) 07.10.2020
(87) FI2012050710	(21) EP15838137.6	(22) 25.05.2017
09.01.2014	(47) 07.10.2020	
(22) 05.07.2012	(87) CN2015088216	
(54) METHOD AND APPARATUS FOR SENSOR DATA PROCESSING	10.03.2016	
(73) Nokia Technologies Oy		
(72) ZHANG, Peng		
<hr/>		
(51) G06F 9/50		
H04N 1/00		
(11) EP2402860		

(54) ASSESSING PERFORMANCE OF A HARDWARE DESIGN USING FORMAL VERIFICATION	(72) BEAN, Brent (31) 201615350356 201615364487	(21) EP14835228.9 (47) 07.10.2020 (87) US2014049965 12.02.2015
(73) Imagination Technologies Limited (72) DARBARI, Ashish SINGLETON, Iain	(32) 14.11.2016 30.11.2016 (33) United States of America United States of America	(22) 06.08.2014 (54) DEVICES, SYSTEMS, AND METHODS OF REDUCING CHIP SELECT
(31) 201609255 (32) 25.05.2016 (33) United Kingdom	(51) G06F 12/14 H04L 9/06	(73) Micron Technology, Inc. (72) RUBY, Paul D.
(51) G06F 11/34 G06F 8/41	G06F 21/64 G06F 21/79 G06F 21/80	(72) RAMALINGAM, Anand S. RIVERS, Doyle SUNDARAM, Rajesh WALKER, Julie M.
(11) EP3465428 (21) EP17727442.0 (47) 07.10.2020 (87) US2017032990 30.11.2017 (22) 17.05.2017	(11) EP3355232 (21) EP18151583.4 (47) 07.10.2020 (22) 15.01.2018 (54) INPUT/OUTPUT DATA ENCRYPTION	(31) 201313961377 (32) 07.08.2013 (33) United States of America
(54) SAMPLE DRIVEN PROFILE GUIDED OPTIMIZATION WITH PRECISE CORRELATION	(73) Hewlett Packard Enterprise Development LP	(51) G06F 13/42 (11) EP3640812 (21) EP19197742.0 (47) 07.10.2020 (22) 17.09.2019
(73) Microsoft Technology Licensing, LLC (72) HE, Wenlei TZEN, Ten CHANDAR, Pratap Joseph	(72) NDU, Geoffrey MANADHATA, Pratyusa K DALTON, Christopher I SHAW, Adrian HABER, Stuart	(54) COMMUNICATION SYSTEM (73) YAZAKI CORPORATION (72) NAKAMURA, Yoshihide
(31) 201615163684 (32) 25.05.2016 (33) United States of America	(31) 201715420736 (32) 31.01.2017 (33) United States of America	(31) 2018196433 (32) 18.10.2018 (33) Japan
(51) G06F 11/36 (11) EP3161641 (21) EP15719338.4 (47) 07.10.2020 (87) US2015024647 30.12.2015 (22) 07.04.2015	(51) G06F 13/00 G06K 7/00 H01R 35/00 (11) EP3549052 (21) EP18807101.3 (47) 07.10.2020 (87) EP2018082861 06.06.2019 (22) 28.11.2018	(51) G06F 15/16 G06F 9/44 G06F 9/455 G06F 17/00 (11) EP2721513 (21) EP12800005.6 (47) 07.10.2020 (87) US2012040956 20.12.2012 (22) 05.06.2012
(54) METHODS AND APPARATUSES FOR AUTOMATED TESTING OF STREAMING APPLICATIONS USING MAPREDUCE-LIKE MIDDLEWARE	(54) RFID READER WITH TURNABLE USB CONNECTOR	(54) LIVE BROWSER TOOLING IN AN INTEGRATED DEVELOPMENT ENVIRONMENT
(73) Google LLC (72) YIM, Keun Soo (31) 201414316191 (32) 26.06.2014 (33) United States of America	(73) ELATEC GmbH (72) HAERTEL, Stefan ZELENY, Matthias (31) 17204671 18158299	(73) Microsoft Technology Licensing, LLC (72) CHARTIER, Daniel P. DAVIS, Joseph M. GABUARDI GONZALEZ, Jorge E. JOSHI, Vishal R. HARDER, Michael J. BACH, Michael PHAN, Anh Thi-Phuong MANGALORE, Reshmi JUNG, Jon E.
(51) G06F 11/36 (11) EP3438832 (21) EP17184700.7 (47) 07.10.2020 (22) 03.08.2017	(32) 30.11.2017 23.02.2018 (33) European Patent Office (EPO) European Patent Office (EPO)	(22) 05.06.2012 (54) LIVE BROWSER TOOLING IN AN INTEGRATED DEVELOPMENT ENVIRONMENT
(54) A METHOD FOR EXECUTING A PROGRAM IN A COMPUTER	(51) G06F 13/00 H04L 29/06 H04L 29/08 H04M 3/00 H04L 12/803 H04L 12/851	(73) Microsoft Technology Licensing, LLC (72) CHARTIER, Daniel P. DAVIS, Joseph M. GABUARDI GONZALEZ, Jorge E. JOSHI, Vishal R. HARDER, Michael J. BACH, Michael PHAN, Anh Thi-Phuong MANGALORE, Reshmi JUNG, Jon E.
(73) Siemens Aktiengesellschaft (72) Fiege, Ludger Fröhlich, Joachim Rothbauer, Stefan	(11) EP3506115 (21) EP17846119.0 (47) 07.10.2020 (87) JP2017029340 08.03.2018 (22) 15.08.2017	(31) 201113161529 (32) 16.06.2011 (33) United States of America
(51) G06F 12/0855 G06F 12/0862 G06F 12/0882 G06F 12/0895 G06F 12/1045 G06F 9/38	(51) G06F 13/00 H04L 29/06 H04L 29/08 H04M 3/00 H04L 12/803 H04L 12/851	(51) G06F 15/16 G06Q 50/30 G06F 21/62 (11) EP3223164 (21) EP17166108.5 (47) 07.10.2020 (22) 05.02.2013
(11) EP3321811 (21) EP16207545.1 (47) 07.10.2020 (22) 30.12.2016	(54) INFORMATION PROCESSING DEVICE (73) Sony Corporation (72) YAMAGISHI, Yasuaki (31) 2016166782 (32) 29.08.2016 (33) Japan	(54) TRUE-OWNERSHIP OF SHARED DATA (73) Gramboo Inc. (72) JOHN, Nitish JOHN, Harriet, H. DOO KIN, Yu Yin
(54) PROCESSOR WITH INSTRUCTION CACHE THAT PERFORMS ZERO CLOCK RETIRES	(51) G06F 13/38 G06F 13/42	(31) 201213370140 201313735979 (32) 09.02.2012
(73) VIA Alliance Semiconductor Co., Ltd.	(11) EP3030971	

07.01.2013	United States of America	(22) 12.07.2016
(33) United States of America	United States of America	(54) IMAGES FOR QUERY ANSWERS
United States of America	(51) G06F 16/22	(73) Google LLC
(51) G06F 15/16	G06F 16/2453	(72) STEINLAUF, Eric
H04L 29/06	(11) EP3170101	DASHER, Grant
H04W 12/06	(21) EP14897860.4	GRAY, Matthew K.
H04W 88/16	(47) 07.10.2020	BAKER, Steven D.
(11) EP2011270	(87) CN2014082210	GODBOLE, Namrata U.
(21) EP07755042.4	21.01.2016	HASSAN, Samer Hassan
(47) 07.10.2020	(22) 15.07.2014	GEORGESCU, Ionut
(87) US2007008632	(54) DATA MODEL INDEXING FOR MODEL	(31) 201562191987 P
08.11.2007	QUERIES	(32) 13.07.2015
(22) 04.04.2007	(73) Microsoft Technology Licensing, LLC	(33) United States of America
(54) SYSTEM AND METHOD	(72) LIU, Zhen	(51) G06F 16/957
FOR IMPLEMENTING FAST	MAK, Chiu Chun Bobby	(11) EP3072068
REAUTHENTICATION	DENG, Xiaomin	(21) EP14812832.5
(73) Cisco Technology, Inc.	HUYNH, Yet Luong	(47) 07.10.2020
(72) SHATZKAMER, Kevin	WANG, Ning	(87) US2014066048
OSWAL, Anand, K.	(51) G06F 16/2453	21.05.2015
GRAYSON, Mark	G06F 16/2455	(22) 18.11.2014
IYER, Jayaraman	G06F 16/2458	(54) UNBALANCED MAPPING BETWEEN
NARANG, Navan	(11) EP3259681	DESKTOP AND MOBILE PAGES
(31) 411482	(21) EP15711898.5	(73) Microsoft Technology Licensing, LLC
(32) 26.04.2006	(47) 07.10.2020	(72) JIA, Yubo
(33) United States of America	(87) SE2015050182	ADGAONKAR, Sujata Suresh
(51) G06F 16/11	25.08.2016	CHAN, David
G06F 16/182	(22) 17.02.2015	SHAH, Ajey Pankaj
(11) EP2449477	(54) METHOD AND DEVICE FOR DECIDING	MAMERI, Frederico A.
(21) EP10794641.0	WHERE TO EXECUTE SUBQUERIES	SIRBU, Alin
(47) 07.10.2020	OF AN ANALYTICS CONTINUOUS	BLOCK, Elias David
(87) US2010040402	QUERY	BURST, Alexandru Dan
06.01.2011	(73) Telefonaktiebolaget LM Ericsson (publ)	HOFFMAN, Kristofer D.
(22) 29.06.2010	(72) SEYVET, Nicolas	DEMARIS, John Lincoln
(54) DATA OBJECT STORE AND	CÖSTER, Rickard	DRAMSTAD, Kathryn Bergina
SERVER FOR A CLOUD STORAGE	(51) G06F 16/27	CODRINGTON, Dwayne Wensley
ENVIRONMENT	(11) EP2889789	Ricardo
(73) Commvault Systems, Inc.	(21) EP14174861.6	SCHULTZ, Alexandra Leewon
(72) PRAHLAD, Anand	(47) 07.10.2020	DAGCI, Onur
MULLER, Marcus, S.	(22) 27.06.2014	SILVERSTEIN, Michael Brandon
KOTTOMTHARAYIL, Rajiv	(54) Replication description model for data	(31) 201361905500 P
KAVURI, Srinivas	distribution	201414542860
GOKHALE, Parag	(73) Sybase, Inc.	(32) 18.11.2013
VIJAYAN, Manoj	(72) Shang, Heping	17.11.2014
(31) 751953	Hughes, Randall L.	(33) United States of America
221993 P	Wang, Yu	United States of America
223695 P	(31) 201314142037	(51) G06F 21/31
751923	(32) 27.12.2013	(11) EP3312751
751804	(33) United States of America	(21) EP17162209.5
751651	(51) G06F 16/27	(47) 07.10.2020
299313 P	(11) EP3238106	(22) 22.03.2017
751850	(21) EP16765788.1	(54) SYSTEMS AND METHODS FOR
751713	(47) 07.10.2020	GENERATING MULTI-DIMENSIONAL
(32) 31.03.2010	(87) US2016022968	PASSWORD AND AUTHENTICATING
30.06.2009	22.09.2016	THEREOF
07.07.2009	(22) 17.03.2016	(73) Tata Consultancy Services Limited
31.03.2010	(54) COMPACTION POLICY	(72) TOMMY, Robin
31.03.2010	(73) Cloudera, Inc.	JOHRI, Vansh
31.03.2010	(72) LIPCON, Todd	(31) 201621035603
28.01.2010	(31) 201562134370 P	(32) 18.10.2016
31.03.2010	(32) 17.03.2015	(33) India
31.03.2010	(33) United States of America	(51) G06F 21/36
(33) United States of America	(51) G06F 16/332	(11) EP2682891
United States of America	(11) EP3241131	(21) EP13174832.9
United States of America	(21) EP16825045.4	(47) 07.10.2020
United States of America	(47) 07.10.2020	(22) 03.07.2013
United States of America	(87) US2016041913	(54) ELECTRONIC DEVICE AND METHOD
United States of America	19.01.2017	FOR RELEASING LOCK USING

ELEMENT COMBINING COLOR AND SYMBOL	(54) SYSTEM AND METHOD FOR DATA INPUT RESISTANT TO CAPTURE	(54) WAKE-UP CIRCUIT FOR A SECURITY DEVICE
(73) Samsung Electronics Co., Ltd	(73) BlackBerry Limited	(73) UTC Fire & Security Corporation
(72) Chae, Kyung-Duk	(72) KOMINAR, Jeremy Lawson	(72) ZACCCHIO, Joseph
(31) 20120073899	(31) 201715689638	LAKAMRAJU, Vijaya Ramaraju
(32) 06.07.2012	(32) 29.08.2017	(51) G06K 7/14
(33) Korea (Republic)	(33) United States of America	G06K 19/06
(51) G06F 21/57	(51) G06K 7/00	(11) EP3509010
(11) EP3574435	G06K 19/07	(21) EP17845250.4
(21) EP18703151.3	G06K 19/077	(47) 07.10.2020
(47) 07.10.2020	(11) EP2907077	(87) CN2017097957
(87) US2018014298	(21) EP13811725.4	08.03.2018
02.08.2018	(47) 07.10.2020	(22) 18.08.2017
(22) 19.01.2018	(87) US2013073769	(54) DIGITAL OBJECT UNIQUE IDENTIFIER (DOI) RECOGNITION METHOD AND DEVICE
(54) CROSS-PLATFORM ENCLAVE IDENTITY	(22) 08.12.2013	(73) Alibaba Group Holding Limited
(73) Microsoft Technology Licensing, LLC	(54) ACTIVE RFID TAG WITH PASSIVE INTERROGATOR	(72) LIU, Zhengbao
(72) COSTA, Manuel	(73) The Boeing Company	(31) 201610787281
(31) 201715414421	(72) UNG, Kevin, Y.	(32) 30.08.2016
(32) 24.01.2017	BATTLES, Craig, F.	(33) China
(33) United States of America	SMITH, Brian, J.	(51) G06K 9/00
(51) G06F 21/57	KELSEY, William, D.	(11) EP2605185
G06F 21/74	CATON, Lindsey, M.	(21) EP12275201.7
G06F 21/84	KUMAR, Anil	(47) 07.10.2020
(11) EP3016015	(31) 201313732894	(22) 12.12.2012
(21) EP14818064.9	(32) 02.01.2013	(54) Detection of obstacles at night by analysis of shadows
(47) 07.10.2020	(33) United States of America	(73) Mobileye Vision Technologies Ltd.
(87) CN2014079328	(51) G06K 7/10	(72) Stein, Gideon P
31.12.2014	G06K 7/14	(31) 201161569306 P
(22) 06.06.2014	(11) EP3394791	201261702755 P
(54) METHOD FOR INDICATING OPERATING ENVIRONMENT OF MOBILE DEVICE AND MOBILE DEVICE CAPABLE OF INDICATING OPERATING ENVIRONMENT	(21) EP15839148.2	(32) 12.12.2011
(73) China Unionpay Co., Ltd	(47) 07.10.2020	19.09.2012
(72) CHAI, Hongfeng	(87) IT2015000320	(33) United States of America
LU, Zhijun	29.06.2017	United States of America
HE, Shuo	(22) 24.12.2015	(51) G06K 9/00
GUO, Wei	(54) CODED INFORMATION READER	(11) EP2252889
ZHOU, Yu	(73) Datalogic IP Tech S.r.l.	(21) EP09709037.7
CHEN, Chengqian	(72) SUMAN, Michele	(47) 07.10.2020
(31) 201310255179	BRUNI, Davide	(87) US2009033504
(32) 25.06.2013	(51) G06K 7/10	13.08.2009
(33) China	G06K 7/14	(22) 08.02.2009
(51) G06F 21/62	(11) EP3330885	(54) METHOD AND SYSTEM FOR ANALYSIS OF FLOW CYTOMETRY DATA USING SUPPORT VECTOR MACHINES
(11) EP3441904	(21) EP16840694.0	(73) Health Discovery Corporation
(21) EP18187156.7	(47) 07.10.2020	(72) ZHANG, Hong
(47) 07.10.2020	(87) CN2016091971	(31) 27416 P
(22) 02.08.2018	09.03.2017	(32) 08.02.2008
(54) SYSTEM AND ARCHITECTURE FOR ANALYTICS ON ENCRYPTED DATABASES	(22) 28.07.2016	(33) United States of America
(73) Palo Alto Research Center Incorporated	(54) DECODING METHOD AND SYSTEM FOR USE WHEN QR CODE POSITION DETECTION GRAPH IS DAMAGED	(51) G06K 9/00
(72) RANE, Shantanu	(73) Fujian Landi Commercial Equipment Co., Ltd	(11) EP2830002
BINDSCHAEDLER, Vincent	(72) JIANG, Shengzhang	(21) EP14175200.6
BRITO, Alejandro E.	WU, Weidong	(47) 07.10.2020
UZUN, Ersin	(31) 201510553171	(22) 01.07.2014
RAO, Vanishree	(32) 02.09.2015	(54) Image capture device, biometric authentication apparatus, and image capture method
(31) 201715674935	(33) China	(73) FUJITSU LIMITED
(32) 11.08.2017	(51) G06K 7/10	(72) Hama, Soichi
(33) United States of America	H04B 5/00	(31) 2013154839
(51) G06F 21/83	H04W 52/02	(32) 25.07.2013
(11) EP3451225	G07C 9/00	(33) Japan
(21) EP18188746.4	(11) EP2649596	(51) G06K 9/00
(47) 07.10.2020	(21) EP10860473.7	(11) EP3274917
(22) 13.08.2018	(47) 07.10.2020	
	(87) US2010059663	
	14.06.2012	
	(22) 09.12.2010	

(21) EP16736091.6	(22) 06.03.2017	G06N 3/08
(47) 07.10.2020	(54) IMAGE ENHANCEMENT METHOD	G06T 7/00
(87) EP2016065842	APPLICABLE TO FINGERPRINT	(11) EP3255606
12.01.2017	IMAGES	(21) EP16746308.2
(22) 05.07.2016	(73) Idemia Identity & Security France	(47) 07.10.2020
(54) HIERARCHICAL TILING METHOD FOR	(72) KAZDAGHLI, Laurent	(87) JP2016000462
IDENTIFYING A TYPE OF SURFACE IN	THUILLIER, Cédric	11.08.2016
A DIGITAL IMAGE	COUTURIER, Lauriane	(22) 29.01.2016
(73) Luxembourg Institute of Science and	(31) 1651822	(54) DETERMINATION METHOD AND
Technology (LIST)	(32) 04.03.2016	PROGRAM
(72) HOSTACHE, Renaud	(33) France	(73) Panasonic Intellectual Property
CHINI, Marco	(51) G06K 9/00	Management Co., Ltd.
MATGEN, Patrick	G06K 9/62	(72) KIM, Min Young
GIUSTARINI, Laura	G06Q 30/06	RIGAZIO, Luca
(31) 92763	(11) EP2751767	TSUKIZAWA, Sotaro
(32) 06.07.2015	(21) EP12828772.9	KOZUKA, Kazuki
(33) Luxembourg	(47) 07.10.2020	(31) 201562113174 P
(51) G06K 9/00	(87) US2012051582	2016006580
(11) EP3346417	07.03.2013	(32) 06.02.2015
(21) EP16819259.9	(22) 20.08.2012	15.01.2016
(47) 07.10.2020	(54) IMAGE RECOGNITION TO SUPPORT	(33) United States of America
(87) CN2016071775	SHELF AUDITING FOR CONSUMER	Japan
09.03.2017	RESEARCH	(51) G06K 15/02
(22) 22.01.2016	(73) The Nielsen Company (US), LLC	(11) EP2333699
(54) SURFACE STRUCTURE	(72) DENG, Kevin Keqiang	(21) EP10194138.3
IDENTIFICATION UNIT, CIRCUIT AND	XIE, Wei	(47) 07.10.2020
IDENTIFICATION METHOD, AND	(31) 201113222763	(22) 08.12.2010
ELECTRONIC DEVICE	(32) 31.08.2011	(54) Printing apparatus, printing method, and
(73) BOE Technology Group Co., Ltd.	(33) United States of America	program
Beijing BOE Optoelectronics Technology	(51) G06K 9/00	(73) CANON KABUSHIKI KAISHA
Co., Ltd.	G08G 1/16	(72) Wakana, Toru
(72) DING, Xiaoliang	G06T 7/593	(31) 2009279829
DONG, Xue	(11) EP3413015	(32) 09.12.2009
WANG, Haisheng	(21) EP17747146.3	(33) Japan
CHEN, Xiaochuan	(47) 07.10.2020	(51) G06K 19/02
LIU, Yingming	(87) JP2017000362	G06K 19/07
YANG, Shengji	10.08.2017	(11) EP3387584
LIU, Wei	(22) 10.01.2017	(21) EP15820063.4
REN, Tao	(54) IMAGING DEVICE	(47) 07.10.2020
ZHAO, Weijie	(73) Hitachi Automotive Systems, Ltd.	(87) EP2015079193
(31) 201510548995	(72) SASAMOTO, Manabu	15.06.2017
(32) 31.08.2015	SHIMA, Takeshi	(22) 10.12.2015
(33) China	NONAKA, Shinichi	(54) DISPLAY DEVICE FOR DISPLAYING
(51) G06K 9/00	(31) 2016019401	A PRICE AND/OR PRODUCT
G06K 9/46	(32) 04.02.2016	INFORMATION
(11) EP2572317	(33) Japan	(73) SES-imagotag GmbH
(21) EP11822246.2	(51) G06K 9/20	(72) RÖSSL, Andreas
(47) 07.10.2020	G08B 13/196	(51) G06K 19/07
(87) US2011001512	H04N 5/232	G06K 19/077
08.03.2012	H04N 5/235	(11) EP3586272
(22) 26.08.2011	(11) EP2698982	(21) EP17707225.3
(54) RECOGNITION OF DIGITAL IMAGES	(21) EP12771510.0	(47) 07.10.2020
(73) Alibaba Group Holding Limited	(47) 07.10.2020	(87) EP2017054022
(72) SUN, Xiang	(87) JP2012059184	08.09.2017
(31) 201113199332	18.10.2012	(22) 22.02.2017
201010270456	(22) 04.04.2012	(54) BIDIRECTIONAL TRANSPONDER
(32) 25.08.2011	(54) IMAGE PROCESSING DEVICE	WITH LOW ENERGY USE
30.08.2010	(73) Hitachi Automotive Systems, Ltd.	(73) Reime, Gerd
(33) United States of America	(72) HIGUCHI Mirai	(72) Reime, Gerd
China	KIYOHARA Masahiro	(51) G06Q 10/08
(51) G06K 9/00	SHIMA Takeshi	G06Q 50/28
G06K 9/52	MONJI Tatsuhiko	(11) EP3317828
G06T 5/00	(31) 2011089702	(21) EP16739357.8
G06T 7/11	(32) 14.04.2011	(47) 07.10.2020
G06T 7/155	(33) Japan	(87) US2016040510
(11) EP3214601	(51) G06K 9/46	05.01.2017
(21) EP17305233.3	G06K 9/62	(22) 30.06.2016
(47) 07.10.2020	G06N 3/04	

(54) SHIPPABLE NETWORK-ATTACHED DATA STORAGE DEVICE WITH UPDATEABLE ELECTRONIC DISPLAY	(22) 08.08.2013	MEYER, Patrick
(73) Amazon Technologies, Inc.	(54) VIRTUAL AGENT COMMUNICATION FOR ELECTRONIC DEVICES	BABKINA, Tatiana
(72) LAZIER, Colin Laird	(73) Nuance Communications, Inc.	(31) 102016219391
VASS, William J.	(72) PHILLIPS, Michael, Stuart	(32) 06.10.2016
(31) 201514788671	NGUYEN, John	(33) Germany
(32) 30.06.2015	LEONARD, Thomas, Jay	(51) G06T 5/00
(33) United States of America	GRANNAN, David	H04N 5/232
(51) G06Q 10/10	(31) 201261682061 P	(11) EP3503528
B64F 5/40	(32) 10.08.2012	(21) EP17209253.8
(11) EP2607239	(33) United States of America	(47) 07.10.2020
(21) EP12199161.6	(51) G06T 1/00	(22) 21.12.2017
(47) 07.10.2020	H04N 1/32	(54) DETERMINATION OF A CONTRAST VALUE FOR A DIGITAL IMAGE
(22) 21.12.2012	H04W 12/02	(73) Axis AB
(54) System and method for remote and automatic assessment of structural damage and repair	H04W 12/06	(72) Nilsson, Dennis
(73) Embraer, S.A.	(11) EP2990959	Benderius, Björn
(72) Wallner, Cassio	(21) EP13882646.6	Nyström, Johan
Da Silva, Paulo Anchieta	(47) 07.10.2020	Jeppsson, Johan
Rogulski, Ricardo	(87) CN2013074865	
Rulli, Ricardo Pinheiro	30.10.2014	(51) G06T 5/50
Lazanha, Tomaz	(22) 27.04.2013	(11) EP3188125
(31) 201113335268	(54) TERMINAL AND METHOD FOR HIDING AND PROTECTING DATA INFORMATION	(21) EP16205768.1
(32) 22.12.2011	(73) Yulong Computer Telecommunication Scientific (Shenzhen) Co. Ltd.	(47) 07.10.2020
(33) United States of America	Dongguan Yulong Telecommunication Tech Co. Ltd.	(22) 21.12.2016
(51) G06Q 30/06	(72) CAO, Jian	(54) CELL REGION DETERMINATION METHOD, CELL IMAGING SYSTEM, AND CELL IMAGE PROCESSING APPARATUS
G06F 8/61	(51) G06T 1/00	(73) SYSMEX CORPORATION
(11) EP2885754	H04N 19/139	National University Corporation Tokyo Medical and Dental University
(21) EP13751065.7	H04N 19/157	(72) Hakamada, Kazumi
(47) 07.10.2020	H04N 19/176	Aihara, Yuki
(87) US2013054922	H04N 19/513	Okada, Masaya
20.02.2014	H04N 19/61	Sato, Toshiyuki
(22) 14.08.2013	(11) EP2321966	Sekiya, Ichiro
(54) RECOMMENDING NATIVE APPLICATIONS	(21) EP09808497.3	Kobayashi, Eiji
(73) Google LLC	(47) 07.10.2020	(31) 2015257131
(72) KIRKHAM, Stephen	(87) US2009004702	(32) 28.12.2015
BILINSKI, Brandon	25.02.2010	(33) Japan
(31) 201213588824	(22) 18.08.2009	(51) G06T 7/00
(32) 17.08.2012	(54) LUMINANCE EVALUATION	(11) EP3182366
(33) United States of America	(73) ContentArmor	(21) EP15200864.5
(51) G06Q 50/22	(72) HE, Shan	(47) 07.10.2020
G16H 20/13	BLOOM, Jeffrey, Adam	(22) 17.12.2015
(11) EP1949287	ZOU, Dekun	(54) PROPERTY MEASUREMENT ON A BIOLOGICAL TISSUE SAMPLE
(21) EP06837031.1	(31) 189363 P	(73) Leibniz-Institut für Photonische Technologien e.V.
(47) 07.10.2020	(32) 19.08.2008	Friedrich-Schiller-Universität Jena
(87) US2006043293	(33) United States of America	(72) Popp, Jürgen
24.05.2007	(51) G06T 5/00	Bocklitz, Thomas
(22) 08.11.2006	G06T 5/50	Chernavskaia, Olga
(54) SYSTEM AND METHOD FOR MANAGING PATIENT CARE THROUGH AUTOMATED MESSAGING	H04N 5/232	Meyer, Tobias
(73) CareFusion 303, Inc.	H04N 5/33	
(72) BELLON, Lauren, L.	(11) EP3523954	(51) G06T 7/00
NGUYEN, Thuy, T.	(21) EP17757700.4	(11) EP3314571
BROWN, Barry, A.	(47) 07.10.2020	(21) EP16730175.3
(31) 270990	(87) EP2017070059	(47) 07.10.2020
(32) 11.11.2005	12.04.2018	(87) US2016036164
(33) United States of America	(22) 08.08.2017	05.01.2017
(51) G06Q 50/30	(54) METHOD FOR THE NOISE OPTIMIZATION OF A CAMERA, IN PARTICULAR A HANDHELD THERMAL IMAGING CAMERA	(22) 07.06.2016
H04B 1/40	(73) Robert Bosch GmbH	(54) METHOD AND SYSTEM FOR DETECTING KNOWN MEASURABLE OBJECT FEATURES
(11) EP2883204	(72) FRANK, Michael	(73) General Electric Company
(21) EP13827951.8	MARQUARDT, Daniel	(72) BENDALL, Clark Alexander
(47) 07.10.2020	RUMBERG, Axel	WARD, Thomas Charles
(87) US2013054121	UHLIG, Mike	(31) 201514753604
13.02.2014		(32) 29.06.2015

(33) United States of America	United States of America	(21) EP17826602.9
(51) G06T 7/20	(51) G06T 11/00	(47) 07.10.2020
(11) EP3522114	(11) EP3447733	(87) NL2017050859
(21) EP19155217.3	(21) EP18189855.2	05.07.2018
(47) 07.10.2020	(47) 07.10.2020	(22) 20.12.2017
(22) 04.02.2019	(22) 21.08.2018	(54) COIN DISPENSER
(54) METHOD, DEVICE AND SYSTEM FOR TIME ALIGNING A FRAME OF A VIDEO STREAM WITH RESPECT TO REFERENCE FRAMES OF A REFERENCE VIDEO STREAM	(54) SELECTIVE IMAGE RECONSTRUCTION	(73) SUZOHAPP Netherlands B.V.
(73) InterDigital CE Patent Holdings	(73) Siemens Healthcare GmbH	(72) ROODENBURG, Edwin Andre
(72) BAILLARD, Caroline	(72) BOGONI, Luca	VERHAAR, Dennis
SERVANT, Fabien	WOLF, Matthias	(31) 2018089
LUO, Tao	(31) 201762550034 P	(32) 28.12.2016
(31) 18305114	201762550030 P	(33) Netherlands
(32) 05.02.2018	201816043290	(51) G07D 7/1205
(33) European Patent Office (EPO)	(32) 25.08.2017	G07D 7/121
(51) G06T 7/20	25.08.2017	(11) EP2513873
G06T 7/254	24.07.2018	(21) EP10792845.9
(11) EP3319042	(33) United States of America	(47) 07.10.2020
(21) EP16817129.6	United States of America	(87) EP2010007703
(47) 07.10.2020	United States of America	23.06.2011
(87) CN2016085626	(51) G06T 13/80	(22) 16.12.2010
05.01.2017	(11) EP3070678	(54) SENSOR FOR CHECKING VALUE DOCUMENTS
(22) 13.06.2016	(21) EP16161278.3	(73) Giesecke+Devrient Currency Technology GmbH
(54) TARGET TRACKING DEVICE AND TARGET TRACKING METHOD	(47) 07.10.2020	(72) FRANKENBERGER, Jörg
(73) Yutou Technology (Hangzhou) Co., Ltd.	(22) 18.03.2016	DECKENBACH, Wolfgang
(72) CHEN, Mingxiu	(54) METHOD FOR GENERATING A CYCLIC VIDEO SEQUENCE	HENNERKES, Urs
(31) 201510387049	(73) Vassort, Thomas Niel	RAUSCHER, Wolfgang
(32) 30.06.2015	(72) Vassort, Thomas Niel	(31) 102009058804
(33) China	(31) 1552350	(32) 18.12.2009
(51) G06T 11/00	(32) 20.03.2015	(33) Germany
(11) EP2984632	(33) France	(51) G07F 7/10
(21) EP14722756.5	(51) G06T 15/00	(11) EP2461297
(47) 07.10.2020	G06T 17/05	(21) EP12157590.6
(87) IB2014060401	G06T 1/60	(47) 07.10.2020
16.10.2014	G06T 11/40	(22) 12.11.2008
(22) 03.04.2014	(11) EP3032499	(54) Personal identification number distribution device and method
(54) IMAGE QUALITY INDEX AND/OR IMAGING PARAMETER RECOMMENDATION BASED THEREON	(21) EP15198677.5	(73) Idemia Denmark A/S
(73) Koninklijke Philips N.V.	(47) 07.10.2020	(72) Aage, Peter K.
(72) DHANANTWARI, Amar	(22) 09.12.2015	Timm, Carsten
MEHTA, Dhruv	(54) APPARATUS AND METHOD FOR RENDERING	(51) G07F 17/00
NAE, Yael	(73) Samsung Electronics Co., Ltd	G06Q 50/22
(31) 201361810417 P	(72) CHO, Yeongon	G16H 20/13
(32) 10.04.2013	RYU, Soojung	(11) EP2705490
(33) United States of America	PARK, Jeongae	(21) EP12744924.7
(51) G06T 11/00	SEO, Woong	(47) 07.10.2020
(11) EP3404618	LEE, Sangheon	(87) US2012024126
(21) EP18172640.7	JIN, Seunghun	16.08.2012
(47) 07.10.2020	(31) 20140175872	(22) 07.02.2012
(22) 16.05.2018	(32) 09.12.2014	(54) PHARMACEUTICAL PACKAGING AND METHOD FOR DELIVERY OF SAME
(54) POLY-ENERGETIC RECONSTRUCTION METHOD FOR METAL ARTIFACTS REDUCTION	(33) Korea (Republic)	(73) Daya Medicals, Inc.
(73) Carestream Health, Inc.	(51) G06T 19/00	(72) DAYA, Kantilal, Kasan
(72) LIN, Yuan	(11) EP3204921	DAYA, Justin, K.
SEHNERT, William J.	(21) EP14903806.9	(31) 201113091979
(31) 201762507285 P	(47) 07.10.2020	201161462685 P
201815964835	(87) US2014059704	(32) 21.04.2011
(32) 17.05.2017	14.04.2016	07.02.2011
27.04.2018	(22) 08.10.2014	(33) United States of America
(33) United States of America	(54) DIFFUSING AN ERROR IN THREE-DIMENSIONAL CONTONE MODEL DATA	United States of America
	(73) Hewlett-Packard Development Company, L.P.	(51) G07G 1/00
	(72) DONOVAN, David H.	G07G 3/00
	(51) G07D 1/00	G08B 13/24
	(11) EP3563355	(11) EP3185226
		(21) EP16205392.0
		(47) 07.10.2020
		(22) 20.12.2016

(54) REGISTER SYSTEM THAT DEACTIVATES A SECURITY TAG ATTACHED TO A PRODUCT	United States of America United States of America United States of America	(73) Lutron Technology Company LLC (72) COURTNEY, Brian, Michael MCDONALD, Matthew, Phillip
(73) Toshiba TEC Kabushiki Kaisha	(51) G08B 17/06	(31) 201562248754 P
(72) GOTANDA, Tsuyoshi	G08B 17/107	(32) 30.10.2015
SHISHIDO, Norifumi	(11) EP3539106	(33) United States of America
(31) 2015253556	(21) EP17801815.6	(51) G08C 17/02
(32) 25.12.2015	(47) 07.10.2020	H04L 12/28
(33) Japan	(87) US2017060607	G06Q 30/02
(51) G08B 7/06	17.05.2018	(11) EP2608177
G08B 25/14	(22) 08.11.2017	(21) EP12196440.7
H02J 7/34	(54) HIGH SENSITIVITY FIBER OPTIC BASED DETECTION	(47) 07.10.2020
(11) EP3503052	(73) Carrier Corporation	(22) 11.12.2012
(21) EP18213365.2	(72) BIRNKRANT, Michael J. LINCOLN, David L. ALEXANDER, Jennifer M. HARRIS, Peter R.	(54) Method for using a remote control for a payment transaction and associated device
(47) 07.10.2020	(31) 201662420592 P	(73) InterDigital Madison Patent Holdings
(22) 18.12.2018	201662425673 P	(72) Steyer, Jean-Marie Ludovic, Jeanne Roustide, Didier
(54) LOW LATENCY POWER SUPPLY FOR NOTIFICATION APPLIANCE SYNCHRONIZATION	(32) 11.11.2016	(31) 1162193
(73) Carrier Corporation	23.11.2016	(32) 21.12.2011
(72) Robotham, Martin Paul Taspek, Levent	(33) United States of America United States of America	(33) France
(31) 201762608939 P	(51) G08B 25/01	(51) G08G 1/01
201862618286 P	G08B 29/18	(11) EP3158547
(32) 21.12.2017	G08G 1/00	(21) EP15793898.6
17.01.2018	(11) EP3529789	(47) 07.10.2020
(33) United States of America	(21) EP17754305.5	(87) IB2015001795
United States of America	(47) 07.10.2020	30.12.2015
(51) G08B 13/196	(87) EP2017070081	(22) 17.06.2015
G08B 25/00	26.04.2018	(54) SYSTEM AND METHOD FOR TRAFFIC SIGNAL TIMING ESTIMATION
H04L 12/24	(22) 08.08.2017	(73) King Abdullah University of Science and Technology
H04L 12/28	(54) METHOD AND DEVICE FOR GENERATING AN EMERGENCY CALL FOR A VEHICLE	(72) DUMAZERT, Julien CLAUDEL, Christian
H04L 12/66	(73) Robert Bosch GmbH	(31) 201462012983 P
H04L 29/08	(72) KLEIN, Martin	(32) 17.06.2014
H04M 1/725	(31) 102016220479	(33) United States of America
H04M 11/02	(32) 19.10.2016	(51) G08G 1/01
G06F 3/0481	(33) Germany	G08G 1/0967
G06F 3/0484	(51) G08C 17/02	(11) EP3507784
G06F 3/0487	(11) EP3238195	(21) EP17758084.2
(11) EP2327063	(21) EP15817347.6	(47) 07.10.2020
(21) EP09807196.2	(47) 07.10.2020	(87) EP2017070398
(47) 07.10.2020	(87) EP2015080951	08.03.2018
(87) US2009053485	30.06.2016	(22) 11.08.2017
18.02.2010	(22) 22.12.2015	(54) METHOD FOR ASSISTING A USER IN THE OPERATION OF A MOTOR VEHICLE, AND MOTOR-VEHICLE- EXTERNAL DATA SERVER DEVICE
(22) 11.08.2009	(54) METHOD FOR THE UNAMBIGUOUS ALLOCATION OF A REMOTE CONTROL TO A DEVICE SYSTEM	(73) Audi AG
(54) CROSS-CLIENT SENSOR USER INTERFACE IN AN INTEGRATED SECURITY NETWORK	(73) Hilti Aktiengesellschaft	(72) SCHÖN, Torsten
(73) iControl Networks, Inc.	(72) BRUGGER, Peter KANEIDER, Wilfried STUDER, Georg	(31) 102016216602
(72) FULKER, Jim SUNDERMEYER, Ken DAWES, Paul, J. RAJI, Reza	(31) 14200010	(32) 02.09.2016
(31) 164877 P	(32) 23.12.2014	(33) Germany
189757	(33) European Patent Office (EPO)	(51) G08G 1/123
269585	(51) G08C 17/02	G05D 1/02
198023	(11) EP3369082	(11) EP2483756
197895	(21) EP16801626.9	(21) EP10754417.3
87967 P	(47) 07.10.2020	(47) 07.10.2020
(32) 30.03.2009	(87) US2016059445	(87) EP2010005269
11.08.2008	04.05.2017	31.03.2011
12.11.2008	(22) 28.10.2016	(22) 27.08.2010
25.08.2008	(54) WIRELESS CONTROL DEVICE HAVING AN ANTENNA ILLUMINATED WITH VISIBLE LIGHT	(54) SYSTEM OF MOBILE ROBOTS WITH A BASE STATION
25.08.2008		(73) SEW-EURODRIVE GmbH & Co. KG
11.08.2008		(72) SLISKOVIC, Maja
(33) United States of America United States of America United States of America		

SCHMIDT, Josef	(33) United States of America	(54) PIXEL DRIVING CIRCUIT, PIXEL
(31) 102009043060	United States of America	DRIVING METHOD, AND DISPLAY
(32) 28.09.2009	United States of America	DEVICE
(33) Germany	United States of America	(73) BOE Technology Group Co., Ltd.
(51) G09C 1/00	United States of America	Chengdu BOE Optoelectronics
H04L 9/08	United States of America	Technology Co., Ltd.
(11) EP3332402	(51) G09F 9/35	(72) HE, Xiaoxiang
(21) EP16744744.0	H01L 23/544	QI, Xiaojing
(47) 07.10.2020	(11) EP3223310	DENG, Yin
(87) EP2016067921	(21) EP15778181.6	(31) 201610005060
09.02.2017	(47) 07.10.2020	(32) 04.01.2016
(22) 27.07.2016	(87) CN2015077006	(33) China
(54) CRYPTOGRAPHIC DEVICE HAVING	26.05.2016	(51) G09G 3/3233
PHYSICAL UNCLONABLE FUNCTION	(22) 20.04.2015	(11) EP3324394
(73) Intrinsic ID B.V.	(54) BENDING ACTION IDENTIFICATION	(21) EP17201528.1
(72) MAES, Roel	APPARATUS AND FLEXIBLE DISPLAY	(47) 07.10.2020
VAN DER SLUIS, Erik	APPARATUS	(22) 14.11.2017
SCHRIJEN, Geert Jan	(73) BOE Technology Group Co., Ltd.	(54) DISPLAY DEVICE
(31) 15179943	(72) SONG, Song	(73) LG Display Co., Ltd.
(32) 06.08.2015	SHI, Shiming	(72) KIM, Dongik
(33) European Patent Office (EPO)	(31) 201410666125	KIM, Joondong
(51) G09C 5/00	(32) 19.11.2014	SHIN, Hunki
H04L 9/08	(33) China	(31) 20160155244
H04L 9/32	(51) G09G 3/20	(32) 21.11.2016
(11) EP3413506	(11) EP3563369	(33) Korea (Republic)
(21) EP18176379.8	(21) EP18767983.2	(51) G10H 1/00
(47) 07.10.2020	(47) 07.10.2020	G06F 16/683
(22) 06.06.2018	(87) KR2018003000	(11) EP2729931
(54) SECURE PAPER-FREE BILLS IN	20.09.2018	(21) EP12729185.4
WORKFLOW APPLICATIONS	(22) 14.03.2018	(47) 07.10.2020
(73) Hand Held Products, Inc.	(54) OPERATING METHOD USING GAMMA	(87) GB2012051314
(72) JAMMIKUNTA, Ravi Kumar	VOLTAGE CORRESPONDING TO	13.12.2012
POLISSETTY, Balaji	DISPLAY CONFIGURATION AND	(22) 11.06.2012
SHARMA, Nishant	ELECTRONIC DEVICE SUPPORTING	(54) METHOD AND SYSTEM FOR
DABRAL, Akhil	THE SAME	ANALYSING SOUND
(31) 201711020273	(73) Samsung Electronics Co., Ltd.	(73) X-System Limited
201715688133	(72) BAE, Jong Kon	(72) OSBORNE, Nigel
(32) 09.06.2017	HAN, Dong Kyoan	ASHCROFT, Robert
28.08.2017	KIM, Dong Hwuy	ROBERTSON, Paul
(33) India	KANG, Kyong Rok	KINGSLEY, Peter
United States of America	KIM, Dong Hun	(31) 201109731
(51) G09F 9/30	AN, Jung Chul	(32) 10.06.2011
G09F 21/02	CHO, Joung Min	(33) United Kingdom
H05K 1/02	KIM, Kwang Tai	(51) G10H 1/00
(11) EP3087812	BYEON, Hyung Sup	G10H 1/46
(21) EP14874426.1	(31) 20170031868	(11) EP3373288
(47) 07.10.2020	(32) 14.03.2017	(21) EP18160030.5
(87) US2014072172	(33) Korea (Republic)	(47) 07.10.2020
02.07.2015	(51) G09G 3/20	(22) 05.03.2018
(22) 23.12.2014	G09G 3/3216	(54) ELECTRONIC MUSICAL INSTRUMENT,
(54) SUPPORT STRUCTURES FOR AN	(11) EP3340218	SOUND PRODUCTION CONTROL
ATTACHABLE, TWO-DIMENSIONAL	(21) EP17206752.2	METHOD, AND STORAGE MEDIUM
FLEXIBLE ELECTRONIC DEVICE	(47) 07.10.2020	(73) Casio Computer Co., Ltd.
(73) Flexterra, Inc.	(22) 12.12.2017	(72) Tajika, Yoshinori
(72) HUITEMA, Hjalmar Edzer Ayco	(54) DISPLAY APPARATUS	(31) 2017043710
INAGAKI, Philippe	(73) NICHIA CORPORATION	(32) 08.03.2017
(31) 201361920705 P	(72) Matsumoto, Makoto	(33) Japan
201461969531 P	(31) 2016247763	(51) G10H 1/32
201461979668 P	(32) 21.12.2016	G10H 3/14
201462003549 P	(33) Japan	G10D 13/02
201462006714 P	(51) G09G 3/3233	(11) EP3531414
201462089115 P	(11) EP3214617	(21) EP19157964.8
(32) 24.12.2013	(21) EP16831885.5	(47) 07.10.2020
24.03.2014	(47) 07.10.2020	(22) 19.02.2019
15.04.2014	(87) CN2016088294	(54) ELECTRONIC PERCUSSION
28.05.2014	13.07.2017	INSTRUMENT
02.06.2014	(22) 04.07.2016	(73) Roland Corporation
08.12.2014		(72) YOSHINO, Kiyoshi

(31) 2018031630	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	YARADUYATHINAHALLI, Rakesh, Channabasappa
(32) 26.02.2018	(72) DITTMAR, Christian	(31) 201414571898
(33) Japan	MÜLLER, Meinard	(32) 16.12.2014
(51) G10K 11/172	DISCH, Sascha	(33) United States of America
(11) EP3033746	(31) 15156704	(51) G11C 7/22
(21) EP14747482.9	15181118	G11C 11/4076
(47) 07.10.2020	(32) 26.02.2015	(11) EP3522164
(87) US2014046990	14.08.2015	(21) EP19152774.6
19.02.2015	(33) European Patent Office (EPO)	(47) 07.10.2020
(22) 17.07.2014	European Patent Office (EPO)	(22) 21.01.2019
(54) SOUND WAVE GUIDE FOR USE IN ACOUSTIC STRUCTURES	(51) G10L 19/06	(54) MEMORY DEVICE ADJUSTING DUTY CYCLE AND MEMORY SYSTEM HAVING THE SAME
(73) Hexcel Corporation	G10L 19/07	(73) Samsung Electronics Co., Ltd.
(72) ICHIHASHI, Fumitaka	G10L 19/12	(72) MOON, Dae-sik
(31) 201313964629	G10L 19/16	CHA, Gil-hoon
(32) 12.08.2013	G10L 19/24	Oh, Ki-seok
(33) United States of America	G10L 19/26	LEE, Chang-kyo
(51) G10L 15/22	G10L 21/038	CHOI, Yeon-kyu
G10L 15/06	(11) EP3511935	Choi, Jung-hwan
G10L 15/32	(21) EP18215702.4	HA, Kyung-soo
(11) EP3491641	(47) 07.10.2020	HYUN, Seok-hun
(21) EP17734604.6	(22) 25.07.2014	(31) 20180012423
(47) 07.10.2020	(54) METHOD, DEVICE AND COMPUTER- READABLE NON-TRANSITORY MEMORY FOR LINEAR PREDICTIVE ENCODING AND DECODING OF SOUND SIGNALS UPON TRANSITION BETWEEN FRAMES HAVING DIFFERENT SAMPLING RATES	20180062094
(87) US2017038336	(73) VoiceAge EVS LLC	(32) 31.01.2018
01.02.2018	(72) SALAMI, Redwan	30.05.2018
(22) 20.06.2017	EKSLER, Vaclav	(33) Korea (Republic)
(54) ACOUSTIC MODEL TRAINING USING CORRECTED TERMS	(31) 201461980865 P	Korea (Republic)
(73) Google LLC	(32) 17.04.2014	(51) G11C 8/10
(72) KAPRALOVA, Olga	(33) United States of America	G11C 13/00
CHEREPANOV, Evgeny A.	(51) G11C 5/02	G11C 16/06
OSMAKOV, Dmitry	G11C 11/407	G11C 16/08
BAEUMML, Martin	H01L 23/12	G11C 16/24
SKOBELTSYN, Gleb	H01L 23/48	(11) EP2896045
(31) 201615224104	H03L 7/081	(21) EP13836554.9
(32) 29.07.2016	H03K 5/14	(47) 07.10.2020
(33) United States of America	(11) EP2471180	(87) US2013056384
(51) G10L 15/30	(21) EP10814131.8	20.03.2014
G10L 15/32	(47) 07.10.2020	(22) 23.08.2013
(11) EP3613039	(87) US2010044123	(54) COMPLEMENTARY DECODING FOR NON-VOLATILE MEMORY
(21) EP18759782.8	10.03.2011	(73) Micron Technology, Inc.
(47) 07.10.2020	(22) 02.08.2010	(72) HENDRICKSON, Nicholas
(87) US2018044758	(54) DIE LOCATION COMPENSATION	(31) 201213616545
02.01.2020	(73) Micron Technology, Inc.	(32) 14.09.2012
(22) 01.08.2018	(72) MA, Yantao	(33) United States of America
(54) AUDIO PROCESSING IN A LOW- BANDWIDTH NETWORKED SYSTEM	(31) 548883	(51) G11C 11/16
(73) Google LLC	(32) 27.08.2009	G11C 11/22
(72) PAYNE, Jeremy	(33) United States of America	(11) EP3555887
AMARILIO, Tomer	(51) G11C 7/12	(21) EP17817040.3
(31) 201862692181 P	G11C 7/18	(47) 07.10.2020
(32) 29.06.2018	G11C 7/22	(87) GB2017053674
(33) United States of America	G06F 9/308	21.06.2018
(51) G10L 19/03	(11) EP3234768	(22) 06.12.2017
G10L 21/0272	(21) EP15871028.5	(54) NON-VOLATILE MEMORY
G10L 21/0388	(47) 07.10.2020	(73) IP2IPO Innovations Limited
G10L 25/03	(87) US2015066214	(72) ZEMEN, Jan
(11) EP3262639	23.06.2016	MIHAL, Andrei Paul
(21) EP16705948.4	(22) 16.12.2015	ZOU, Bin
(47) 07.10.2020	(54) SYSTEM AND METHOD FOR FAST MODIFICATION OF REGISTER CONTENT	BOLDRIN, David
(87) EP2016053752	(73) Texas Instruments Incorporated	DONCHEV, Evgeniy
01.09.2016	(72) JALAN, Saket	(31) 201621485
(22) 23.02.2016		(32) 16.12.2016
(54) APPARATUS AND METHOD FOR PROCESSING AN AUDIO SIGNAL TO OBTAIN A PROCESSED AUDIO SIGNAL USING A TARGET TIME- DOMAIN ENVELOPE		(33) United Kingdom
		(51) G11C 11/16
		G11C 13/00
		(11) EP3457403

(21) EP18187368.8	(73) Semiconductor Energy Laboratory Co., Ltd.	(32) 25.10.2012
(47) 07.10.2020		(33) United States of America
(22) 03.08.2018	(72) YAMAZAKI, Shunpei	(51) G21C 17/00
(54) RESISTIVE NON-VOLATILE MEMORY AND A METHOD FOR SENSING A MEMORY CELL IN A RESISTIVE NON-VOLATILE MEMORY	KOYAMA, Jun	G01N 33/20
(73) NXP USA, Inc.	KATO, Kiyoshi	(11) EP2841917
(72) ROY, Anirban	(31) 2009251261	(21) EP13806156.9
PELLEY, Perry	(32) 30.10.2009	(47) 07.10.2020
(31) 201715707350	(33) Japan	(87) KR2013005562
(32) 18.09.2017	(51) G16B 25/00	27.12.2013
(33) United States of America	G16B 45/00	(22) 24.06.2013
(51) G11C 11/403	(11) EP3189458	(54) THE METHOD OF NON-DESTRUCTIVE EVALUATION OF INTERGRANULAR STRESS CORROSION CRACKING (IGSSC) IN STRUCTURAL COMPONENTS MADE OF METAL ALLOYS, AND THE METHOD OF LIFETIME EVALUATION OF THE STRUCTURAL COMPONENTS
G11C 11/406	(21) EP15774976.3	(73) Korea Atomic Energy Research Institute
(11) EP3279899	(47) 07.10.2020	(72) KIM, Young-Suk
(21) EP15891059.6	(87) IB2015056486	KIM, Sung-Soo
(47) 07.10.2020	10.03.2016	KIM, Dae-Whan
(87) CN2015078224	(22) 27.08.2015	(31) 20120067503
10.11.2016	(54) METHODS AND STORAGE MEDIUM FOR VISUALIZING GENE EXPRESSION DATA	(32) 22.06.2012
(22) 04.05.2015	(73) Koninklijke Philips N.V.	(33) Korea (Republic)
(54) DRAM REFRESHING METHOD, APPARATUS AND SYSTEM	(72) MANKOVICH, Alexander Ryan	(51) G21G 1/00
(73) Huawei Technologies Co. Ltd.	DIMITROVA, Nevenka	(11) EP3501029
(72) XIAO, Shihai	AGRAWAL, Vartika	(21) EP17755022.5
HUANG, Yongbing	BANERJEE, Nilanjana	(47) 07.10.2020
HE, Rui	(31) 201462046550 P	(87) US2017046716
(51) G11C 11/404	(32) 05.09.2014	22.02.2018
H01L 21/8242	(33) United States of America	(22) 14.08.2017
H01L 21/84	(51) G16B 30/10	(54) CHROMATOGRAPHIC SEPARATION OF MO-99 FROM W-187
H01L 27/108	(11) EP3482329	(73) Curium US LLC
H01L 29/78	(21) EP17714441.7	(72) BOOIJ, Arend
(11) EP2556533	(47) 07.10.2020	(31) 201662375690 P
(21) EP11718462.2	(87) EP2017057504	(32) 16.08.2016
(47) 07.10.2020	11.01.2018	(33) United States of America
(87) FR2011050788	(22) 30.03.2017	(51) H01F 3/12
13.10.2011	(54) A COMPUTER-IMPLEMENTED AND REFERENCE-FREE METHOD FOR IDENTIFYING VARIANTS IN NUCLEIC ACID SEQUENCES	H01F 17/06
(22) 07.04.2011	(73) Barcelona Supercomputing Center-Centro Nacional de Supercomputaci3n	H01F 37/00
(54) RAM MEMORY CELL COMPRISING A TRANSISTOR	Instituci3 Catalana de Recerca i Estudis Avançats	(11) EP3610487
(73) Centre National de la Recherche Scientifique	Universitat Politècnica de Catalunya	(21) EP18716618.6
Universidad De Granada	(72) CARRERA PEREZ, David	(47) 07.10.2020
(72) CRISTOLOVEANU, Sorin, Ioan	POLO, Jordà	(87) EP2018059148
RODRIGUEZ, Noel	CADENELLI, Nicola	18.10.2018
GAMIZ, Francisco	TORRENTS ARENALES, David	(22) 10.04.2018
(31) 1052612	PLANAS, Mercè	(54) MAGNETIC ADJUSTMENT MEMBER FOR MULTI-PHASE INDUCTOR
(32) 07.04.2010	(31) 16178577	(73) ABB Schweiz AG
(33) France	(32) 08.07.2016	(72) WUNSCH, Bernhard
(51) G11C 11/405	(33) European Patent Office (EPO)	DROFENIK, Uwe
G11C 16/04	(51) G16H 50/30	SKIBIN, Stanislav
H01L 21/822	G16H 50/70	RIEDEL, Gernot
H01L 21/8242	(11) EP2912584	FORSSTROM, Ville Samuel
H01L 27/06	(21) EP13821154.5	(31) 17165720
H01L 27/105	(47) 07.10.2020	(32) 10.04.2017
H01L 27/108	(87) IB2013059424	(33) European Patent Office (EPO)
H01L 27/118	01.05.2014	(51) H01F 27/08
H01L 27/12	(22) 17.10.2013	H01F 27/32
H01L 29/78	(54) COMBINED USE OF CLINICAL RISK FACTORS AND MOLECULAR MARKERS FOR THROMBOSIS FOR CLINICAL DECISION SUPPORT	(11) EP3545536
H01L 29/786	(73) Koninklijke Philips N.V.	(21) EP16798533.2
H01L 27/115	(72) BAKKER, Bart Jacob	(47) 07.10.2020
(11) EP2494599	VAN OOIJEN, Hendrik Jan	(87) EP2016078433
(21) EP10826620.6	VAN DEN HAM, René	31.05.2018
(47) 07.10.2020	(31) 201261718242 P	(22) 22.11.2016
(87) JP2010068647		
05.05.2011		
(22) 15.10.2010		
(54) SEMICONDUCTOR DEVICE		

(54) TRANSFORMER AND TRANSFORMER ASSEMBLY	(73) Bayerische Motoren Werke Aktiengesellschaft	(33) Japan
(73) Preh GmbH	(72) GLANZER, Michael	(51) H01H 33/66
(72) THEANDER, Adam	(31) 102016217063	H02B 3/00
KRSTIC, Daniel	(32) 08.09.2016	H02B 11/04
(51) H01F 27/245	(33) Germany	(11) EP3331113
H01F 30/00	(51) H01G 9/04	(21) EP17173185.4
(11) EP2472534	H01G 9/042	(47) 07.10.2020
(21) EP10831414.7	H01G 11/26	(22) 29.05.2017
(47) 07.10.2020	(11) EP2517219	(54) TERMINAL ASSEMBLY FOR VACUUM CONTACTOR SWITCH
(87) JP2010068334	(21) EP10842694.1	(73) LSIS Co., Ltd.
26.05.2011	(47) 07.10.2020	(72) SIM, Byeong-Sun
(22) 19.10.2010	(87) US2010061375	(31) 20160164089
(54) TRANSFORMER	14.07.2011	(32) 05.12.2016
(73) Mitsubishi Electric Corporation	(22) 20.12.2010	(33) Korea (Republic)
(72) NISHIURA, Ryuichi	(54) HIGH PERFORMANCE CARBON NANOTUBE ENERGY STORAGE DEVICE	(51) H01H 35/40
FUJIWARA, Yasuo	(73) ZapGo Ltd	(11) EP3031063
SHIMIZU, Yoshinori	(72) NGUYEN, Cattien, Van	(21) EP14834019.3
MATSUDA, Tetsuya	NIEMANN, Darrell, Lee	(47) 07.10.2020
IMURA, Takeshi	(31) 288788 P	(87) US2014049911
AONO, Kazuaki	(32) 21.12.2009	12.02.2015
AKITA, Hiroyuki	(33) United States of America	(22) 06.08.2014
(31) 2009265368	(51) H01G 9/20	(54) LOW WATER CUTOFF SWITCH
(32) 20.11.2009	H01L 51/42	(73) Fluid Handling LLC.
(33) Japan	(11) EP3075012	(72) KARIA, Nimesh Pratapbhai
(51) H01F 27/28	(21) EP14865222.5	MUKKAWAR, Girish Subhash
H01F 38/14	(47) 07.10.2020	AGRAWAL, Birdhial Navalkishor
H01F 38/18	(87) US2014067024	MEGHPARA, Kantilal Brijeshkumar
H03H 7/40	04.06.2015	(31) 201361862634 P
H02J 5/00	(22) 24.11.2014	(32) 06.08.2013
H02J 7/02	(54) PHOTOVOLTAIC DEVICES BASED ON PEROVSKITES	(33) United States of America
H02J 50/00	(73) Hunt Perovskite Technologies, L.L.C.	(51) H01H 47/00
H02J 50/12	(72) IRWIN, Michael D.	H01H 47/10
(11) EP3127210	CHUTE, Jerred A.	F24F 11/37
(21) EP15715608.4	(31) 201361909168 P	F24F 11/88
(47) 07.10.2020	201361913665 P	(11) EP3406983
(87) US2015022814	201414209013	(21) EP17892077.3
08.10.2015	201414448053	(47) 07.10.2020
(22) 26.03.2015	(32) 26.11.2013	(87) JP2017005771
(54) SYSTEMS, APPARATUS, AND METHODS FOR WIRELESS POWER RECEIVER COIL CONFIGURATION	09.12.2013	23.08.2018
(73) Qualcomm Incorporated	13.03.2014	(22) 16.02.2017
(72) WHITE II, Mark, David	31.07.2014	(54) AIR CONDITIONER
(31) 201461973057 P	(33) United States of America	(73) Mitsubishi Electric Corporation
201414567776	United States of America	(72) MIKAMI, Nobuhiro
(32) 31.03.2014	United States of America	(51) H01H 59/00
11.12.2014	United States of America	H01P 1/12
(33) United States of America	United States of America	(11) EP2747190
United States of America	(51) H01H 9/38	(21) EP13198695.2
(51) H01F 38/14	H01H 50/56	(47) 07.10.2020
B60K 6/20	(11) EP3089190	(22) 20.12.2013
H02J 7/02	(21) EP14841354.5	(54) Capacitive MEMS component with buried transmission line
H02J 50/10	(47) 07.10.2020	(73) Thales
H02J 50/90	(87) JP2014070777	(72) Martins, Paolo
B60K 1/04	02.07.2015	Bansropun, Shailendra
B60L 53/12	(22) 06.08.2014	Le Bailiff, Matthieu
B60L 53/34	(54) ELECTROMAGNETIC RELAY	Ziaei, Afshin
B60L 53/38	(73) OMRON Corporation	(31) 1203561
B60L 53/39	(72) HAYASHIDA, Kaori	(32) 21.12.2012
(11) EP3509884	TANAKA, Hiroyasu	(33) France
(21) EP17752112.7	KOZAI, Yuji	(51) H01H 71/52
(47) 07.10.2020	NAKAZAKI, Hideo	(11) EP3542388
(87) EP2017070477	KONDO, Sumihisa	(21) EP17811997.0
15.03.2018	SODA, Kazuya	(47) 07.10.2020
(22) 11.08.2017	TAKAHASHI, Kei	(87) FR2017053141
(54) HYBRID VEHICLE INCLUDING A CHARGING POSSIBILITY	(31) 2013272856	24.05.2018
	(32) 27.12.2013	(22) 16.11.2017

(54) CIRCUIT BREAKER PROVIDED WITH A TELESCOPIC PUMP-ACTION RESET LEVER	Hutterli, Manuel Erb, Matthias Pfander, Marc	Collaert, Nadine
(73) HAGER-ELECTRO SAS	(51) H01L 21/02	(51) H01L 21/331
(72) ELOY, Stéphane	H01L 21/304	H01L 29/06
KETTERER, Olivier	H01L 21/306	H01L 29/08
KIEFFER, Damien	H01L 21/67	H01L 29/739
(31) 1661118	(11) EP3264449	(11) EP3443595
(32) 17.11.2016	(21) EP17168843.5	(21) EP17716894.5
(33) France	(47) 07.10.2020	(47) 07.10.2020
(51) H01J 35/06	(22) 28.04.2017	(87) EP2017058697
H01J 35/12	(54) MANUFACTURING PROCESS OF WAFER THINNING	19.10.2017
(11) EP3213337	(73) Phoenix Silicon International Corp.	(22) 11.04.2017
(21) EP15820839.7	(72) YANG, Shih-Ching	(54) INSULATED GATE POWER SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING SUCH A DEVICE
(47) 07.10.2020	HUANG, CHIEN-HSIUNG	(73) ABB Power Grids Switzerland AG
(87) EP2015080504	TSOU, CHAO-TSUNG	(72) DE-MICHIELIS, Luca
30.06.2016	LIN, Cheng-Yen	CORVASCE, Chiara
(22) 18.12.2015	(31) 105120364	(31) 16164709
(54) METAL JET X-RAY TUBE	(32) 28.06.2016	(32) 11.04.2016
(73) Siemens Healthcare GmbH	(33) Taiwan, Province of China	(33) European Patent Office (EPO)
(72) HEID, Oliver	(51) H01L 21/02	(51) H01L 21/48
(31) 102014226813	H01L 21/3065	H01L 21/683
(32) 22.12.2014	H01L 21/762	H01L 23/498
(33) Germany	(11) EP3304586	H01L 23/538
(51) H01J 35/10	(21) EP16726253.4	(11) EP3206229
H01J 35/12	(47) 07.10.2020	(21) EP17155072.6
(11) EP3590124	(87) US2016033097	(47) 07.10.2020
(21) EP18723758.1	08.12.2016	(22) 07.02.2017
(47) 07.10.2020	(22) 18.05.2016	(54) METHODS OF MANUFACTURING FLEXIBLE ELECTRONIC DEVICES
(87) EP2018061029	(54) A METHOD OF MANUFACTURING SILICON GERMANIUM-ON-INSULATOR	(73) AT & S Austria Technologie & Systemtechnik Aktiengesellschaft
07.11.2019	(73) GlobalWafers Co., Ltd.	(72) Zluc, Andreas
(22) 30.04.2018	(72) THOMAS, Shawn G.	Stahr, Johannes
(54) X-RAY TUBE, X-RAY DEVICE AND METHOD FOR MANUFACTURING AN X-RAY TUBE AND AN X-RAY DEVICE	(31) 201562169178 P	(31) 102016102191
(73) Siemens Healthcare GmbH	(32) 01.06.2015	(32) 09.02.2016
(72) SCHUH, Carsten	(33) United States of America	(33) Germany
(51) H01J 37/34	(51) H01L 21/02	(51) H01L 21/48
(11) EP2102889	H01L 27/12	H01L 23/15
(21) EP07848082.9	H01L 29/786	(11) EP3598485
(47) 07.10.2020	(11) EP3070745	(21) EP19195538.4
(87) EP2007063778	(21) EP14860820.1	(47) 07.10.2020
19.06.2008	(47) 07.10.2020	(22) 22.12.2016
(22) 12.12.2007	(87) CN2014078270	(54) BONDED SUBSTRATE AND METHOD FOR MANUFACTURING BONDED SUBSTRATE
(54) RF SUBSTRATE BIAS WITH HIGH POWER IMPULSE MAGNETRON SPUTTERING (HIPIMS)	14.05.2015	(73) NGK Insulators, Ltd.
(73) Evatec AG	(22) 23.05.2014	(72) TANI, Makoto
(72) WEICHART, Jürgen	(54) DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREFOR, AND FLEXIBLE DISPLAY DEVICE	AWAKURA, Yasutaka
KADLEC, Stanislav	(73) BOE Technology Group Co., Ltd.	KAKU, Takeshi
(31) 869578 P	(72) CHENG, Hongfei	EBIGASE, Takashi
869566 P	ZHANG, Yuxin	(31) PCT/JP2015/086477
869912 P	(31) 201310557263	(32) 28.12.2015
(32) 12.12.2006	(32) 11.11.2013	(33) World Intellectual Property Office (WIPO)
12.12.2006	(33) China	(51) H01L 21/48
14.12.2006	(51) H01L 21/20	H01L 23/498
(33) United States of America	H01L 21/205	(11) EP3485511
United States of America	(11) EP3021352	(21) EP17739776.7
United States of America	(21) EP14193119.6	(47) 07.10.2020
(51) H01J 49/04	(47) 07.10.2020	(87) US2017039089
(11) EP3522201	(22) 13.11.2014	25.01.2018
(21) EP18155008.8	(54) Method for reducing contact resistance in a transistor	(22) 23.06.2017
(47) 07.10.2020	(73) IMEC VZW	(54) METHOD OF MANUFACTURING FLEXIBLE ELECTRONIC CIRCUITS HAVING CONFORMAL MATERIAL COATINGS
(22) 02.02.2018	(72) Merckling, Clement	(73) Verily Life Sciences LLC
(54) AUTOSAMPLER		
(73) Tofwerk AG		
(72) Gonin, Marc		
Lopez-Hilfiker, Felipe		

(72) PEPIN, Brain, Marc LU, Bo	SCHUELE, Paul CROWDER, Mark	H01L 25/075 H01L 27/15
(31) 201615212739	(31) 201514749569	H01L 33/00
(32) 18.07.2016	(32) 24.06.2015	H01L 33/62
(33) United States of America	(33) United States of America	H01L 33/64
(51) H01L 21/60 H01L 25/16	(51) H01L 23/051 H01L 23/62 H01L 25/07 H01L 25/18	(11) EP3098852 (21) EP15740811.3 (47) 07.10.2020 (87) CN2015070836 30.07.2015 (22) 16.01.2015 (54) WAFER LEVEL SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF
(11) EP2883243	(11) EP3577687	(73) Suzhou Institute of Nano-Tech and Nano- Bionics of Chinese Academy of Sciences
(21) EP13762282.5	(21) EP18704183.5	(72) CAI, Yong
(47) 07.10.2020	(47) 07.10.2020	ZHANG, Yibin
(87) IB2013056353 13.02.2014	(87) EP2018052434 09.08.2018	XU, Fei
(22) 02.08.2013	(22) 31.01.2018	(31) 201410032377 201410173907 201410175210
(54) LED PACKAGE AND MANUFACTURING METHOD	(54) POWER SEMICONDUCTOR DEVICE WITH ACTIVE SHORT CIRCUIT FAILURE MODE AND METHOD OF CONTROLLING THE SAME	(32) 23.01.2014 28.04.2014 28.04.2014
(73) Lumileds Holding B.V.	(73) ABB Power Grids Switzerland AG	(33) China China China
(72) SCHUG, Josef Andreas	(72) LIU, Chunlei	
(31) 201261680331 P	DUGAL, Franc	(51) H01L 23/473 H05K 7/20
(32) 07.08.2012	RAHIMO, Munaf	(11) EP2728987
(33) United States of America	STEIMER, Peter Karl	(21) EP13188821.6 (47) 07.10.2020 (22) 16.10.2013 (54) Cooling apparatus for an electrical substrate
(51) H01L 21/66 H01L 27/092	(31) 17154196	(73) Deere & Company
(11) EP2565915	(32) 01.02.2017	(72) Schmit, Christopher J Harmelink, Gregory K
(21) EP12179305.3	(33) European Patent Office (EPO)	(31) 201213664823 (32) 31.10.2012 (33) United States of America
(47) 07.10.2020	(51) H01L 23/36 H01L 23/373	(51) H01L 23/498 H01L 23/538 H01L 25/07
(22) 03.08.2012	H01L 23/498	(11) EP3613077
(54) MOSFET mismatch characterization circuit	H01L 25/07	(21) EP18720620.6 (47) 07.10.2020
(73) NXP USA, Inc.	H01L 25/18	(87) EP2018061027 08.11.2018
(72) McAndrew, Colin C Braswell, Brandt	(11) EP2750184	(22) 30.04.2018
(31) 201113222335	(21) EP12825114.7	(54) HALF-BRIDGE MODULE WITH COAXIAL ARRANGEMENT OF THE DC TERMINALS
(32) 31.08.2011	(47) 07.10.2020	(73) ABB Power Grids Switzerland AG Audi AG
(33) United States of America	(87) JP2012071398 28.02.2013	(72) MOHN, Fabian TRAUB, Felix SCHUDERER, Jürgen
(51) H01L 21/67 H01L 21/673	(22) 24.08.2012	(31) 17169012 (32) 02.05.2017 (33) European Patent Office (EPO)
(11) EP2815426	(54) SEMICONDUCTOR MODULE	(51) H01L 25/07 H01L 25/18
(21) EP13707567.7	(73) Nissan Motor Co., Ltd Fuji Electric Co., Ltd.	(11) EP3442020
(47) 07.10.2020	(72) ZUSHI, Yusuke	(21) EP17769659.8 (47) 07.10.2020
(87) EP2013052520 22.08.2013	MURAKAMI, Yoshinori	(87) JP2017003255
(22) 08.02.2013	TANIMOTO, Satoshi	
(54) PROCESS BOX, PROCESS HOLDER, ASSEMBLIES AND METHOD FOR PROCESSING COATED SUBSTRATES	MATSUI, Kohei	
(73) (CNBM) Bengbu Design & Research Institute for Glass Industry Co., Ltd.	(31) 2011184019	
(72) FÜRFANGER, Martin	(32) 25.08.2011	
PHAN, Dang Cuong	(33) Japan	
JOST, Stefan	(51) H01L 23/36 H05K 7/20	
(31) 12155848	F21V 29/00	
(32) 16.02.2012	F21V 29/70	
(33) European Patent Office (EPO)	F21V 29/73	
(51) H01L 23/00 H01L 25/00 H01L 25/075 H01L 33/20 H01L 33/62	F21Y 115/10	
(11) EP3314631	(11) EP2388516	
(21) EP16815124.9	(21) EP11166670.7	
(47) 07.10.2020	(47) 07.10.2020	
(87) US2016038472 29.12.2016	(22) 19.05.2011	
(22) 21.06.2016	(54) Heat sink device, in particular for a light	
(54) LIGHT EMITTING DEVICE AND FLUIDIC MANUFACTURE THEREOF	(73) Trilux GmbH & Co. KG	
(73) eLux, Inc.	(72) Drölle, Alexander	
(72) SASAKI, Kenji	(31) 102010021219 102010031066	
	(32) 21.05.2010	
	(33) Germany Germany	
	(51) H01L 23/367	

28.09.2017	(72) Lai, Da-Wei	(54) DRIVING METHOD FOR ORGANIC ELECTROLUMINESCENT DISPLAY DEVICE
(22) 31.01.2017	Smedes, Taede	(73) BOE Technology Group Co., Ltd.
(54) POWER SEMICONDUCTOR MODULE	(31) 201615237324	Beijing BOE Optoelectronics Technology Co., Ltd.
(73) Hitachi, Ltd.	(32) 15.08.2016	
(72) MASUDA Toru	(33) United States of America	
(31) 2016059387	(51) H01L 27/12	
(32) 24.03.2016	H01L 27/32	(72) YANG, Shengji
(33) Japan	G09G 3/3208	DONG, Xue
(51) H01L 25/075	(11) EP3341971	XUE, Hailin
H01L 33/46	(21) EP16766828.4	WANG, Haisheng
H01L 33/50	(47) 07.10.2020	ZHAO, Yiming
H01L 33/56	(87) CN2016078556	SUN, Xiao
H01L 33/60	02.03.2017	LIU, Peng
(11) EP3555928	(22) 06.04.2016	LIU, Hongjuan
(21) EP17816662.5	(54) ARRAY SUBSTRATE, DISPLAY PANEL AND DISPLAY APPARATUS HAVING THE SAME, AND FABRICATING METHOD THEREOF	LIU, Yingming
(47) 07.10.2020	(73) BOE Technology Group Co., Ltd.	(31) 201410515749
(87) EP2017082018	(72) LI, Guang	(32) 29.09.2014
21.06.2018	XU, Chen	(33) China
(22) 08.12.2017	(31) 201510531471	
(54) LED MODULE WITH HIGH NEAR FIELD CONTRAST RATIO	(32) 26.08.2015	(51) H01L 27/32
(73) Lumileds Holding B.V.	(33) China	H01L 51/52
(72) BASIN, Grigory	(51) H01L 27/15	(11) EP3267505
BELYAEV, Anton	H01L 29/06	(21) EP17179133.8
KOSOWSKY, Lex	H01L 29/15	(47) 07.10.2020
GOH, Yi, Shyan	H01L 33/06	(22) 30.06.2017
(31) 201662434680 P	H01L 33/24	(54) ORGANIC LIGHT-EMITTING DISPLAY DEVICE
17150551	H01L 33/62	(73) Samsung Display Co., Ltd.
(32) 15.12.2016	(11) EP2710634	(72) PARK, Sungkook
06.01.2017	(21) EP12728646.6	KIM, Minwoo
(33) United States of America	(47) 07.10.2020	KIM, Woongsik
European Patent Office (EPO)	(87) FR2012051033	(31) 20160085060
(51) H01L 25/16	22.11.2012	(32) 05.07.2016
H02K 11/04	(22) 10.05.2012	(33) Korea (Republic)
H02K 11/33	(54) IN-SERIES ELECTRICAL CONNECTION OF LIGHT-EMITTING NANOWIRES	(51) H01L 29/06
(11) EP2643921	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives	H01L 29/16
(21) EP11794560.0	(72) BAVENCOVE, Anne-Laure	H01L 29/20
(47) 07.10.2020	GILET, Philippe	H01L 29/36
(87) FR2011052671	MOLLER, Pierre	H01L 29/40
31.05.2012	(31) 1154313	H01L 29/739
(22) 17.11.2011	(32) 18.05.2011	H01L 29/78
(54) ARCHITECTURE OF INTERCONNECTED ELECTRONIC POWER MODULES FOR A ROTATING ELECTRIC MACHINE AND A ROTATING ELECTRIC MACHINE INCLUDING SUCH AN ARCHITECTURE	(33) France	H01L 29/872
(73) Valeo Equipements Electriques Moteur	(51) H01L 27/32	(11) EP3457442
(72) SEIDENBINDER, Régis	G09G 3/3225	(21) EP18160163.4
LAFABRIE, Bryann	(11) EP2725618	(47) 07.10.2020
TAUVRON, Fabrice	(21) EP12195615.5	(22) 06.03.2018
DHÉRIPRE, Cyrille	(47) 07.10.2020	(54) SEMICONDUCTOR DEVICE
DELPLACE, David	(22) 05.12.2012	(73) Kabushiki Kaisha Toshiba
TUNZINI, Marc	(54) Organic light emitting display device	Toshiba Electronic Devices & Storage Corporation
GUILLARD, Romaric	(73) LG Display Co., Ltd.	
LOPEZ, Ruth	(72) Shin, Minjae	(72) TAMAKI, Tomohiro
WEN, Jie	Kim, Hongsuk	(31) 2017178414
(31) 1059629	(31) 20120118424	(32) 15.09.2017
(32) 23.11.2010	(32) 24.10.2012	(33) Japan
(33) France	(33) Korea (Republic)	
(51) H01L 27/02	(51) H01L 27/32	(51) H01L 29/66
H02H 9/04	G09G 3/3233	H01L 29/786
(11) EP3285297	(11) EP3203521	(11) EP3333900
(21) EP17185163.7	(21) EP15775604.0	(21) EP16770671.2
(47) 07.10.2020	(47) 07.10.2020	(47) 07.10.2020
(22) 07.08.2017	(87) CN2015070894	(87) CN2016070746
(54) CROSS-DOMAIN ESD PROTECTION	07.04.2016	09.02.2017
(73) NXP B.V.	(22) 16.01.2015	(22) 13.01.2016
		(54) MANUFACTURING METHOD FOR THIN FILM TRANSISTOR
		(73) BOE Technology Group Co., Ltd.
		South China University of Technology
		(72) YUAN, Guangcai
		YAN, Liangchen
		XU, Xiaoguang

WANG, Lei	(32) 08.04.2014	(31) 2011118759
PENG, Junbiao	(33) Korea (Republic)	(32) 27.05.2011
LAN, Linfeng	(51) H01L 31/0236	(33) Japan
(31) 201510463501	H01L 31/18	(51) H01L 31/05
(32) 31.07.2015	(11) EP2828895	(11) EP3353816
(33) China	(21) EP13764428.2	(21) EP16797466.6
(51) H01L 31/0224	(47) 07.10.2020	(47) 07.10.2020
(11) EP2337081	(87) US2013030257	(87) EP2016075943
(21) EP10013591.2	26.09.2013	04.05.2017
(47) 07.10.2020	(22) 11.03.2013	(22) 27.10.2016
(22) 13.10.2010	(54) COPPER-ASSISTED, ANTI-REFLECTION ETCHING OF SILICON SURFACES	(54) METHOD FOR PRODUCING A PHOTOVOLTAIC MODULE
(54) Solar cell	(73) Alliance for Sustainable Energy, LLC	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
(73) LG Electronics Inc.	(72) TOOR, Fatima	(72) BETTINELLI, Armand
(72) Ahn, Junyong	BRANZ, Howard M.	GAUME, Julien
Lee, Younghyun	(31) 201213423745	NOVEL, Benjamin
Lee, Jinyung	(32) 19.03.2012	(31) 1560343
(31) 20090127666	(33) United States of America	(32) 29.10.2015
(32) 21.12.2009	(51) H01L 31/032	(33) France
(33) Korea (Republic)	H01L 31/0352	(51) H01L 31/07
(51) H01L 31/0224	H01L 31/0392	(11) EP3066696
(11) EP3144978	H01L 31/0749	(21) EP14799306.7
(21) EP16193987.1	H01L 27/142	(47) 07.10.2020
(47) 07.10.2020	H01L 31/046	(87) US2014063635
(22) 13.10.2010	H01L 31/0465	07.05.2015
(54) SOLAR CELL	(11) EP2695201	(22) 03.11.2014
(73) LG Electronics Inc.	(21) EP12767495.0	(54) PHOTOVOLTAIC CELLS
(72) AHN, Junyong	(47) 07.10.2020	(73) Columbus Photovoltaics LLC
LEE, Younghyun	(87) KR2012002520	(72) LERNER, Corey E.
LEE, Jinyung	11.10.2012	(31) 201361899400 P
(31) 20090127666	(22) 04.04.2012	(32) 04.11.2013
(32) 21.12.2009	(54) SOLAR CELL	(33) United States of America
(33) Korea (Republic)	(73) LG Innotek Co., Ltd.	(51) H01L 31/08
(51) H01L 31/0224	(72) LEE, Jin Woo	H01L 31/10
H01L 31/068	(31) 20110030875	H01L 31/112
H01L 31/0216	(32) 04.04.2011	H01L 31/113
(11) EP3200237	(33) Korea (Republic)	(11) EP3582269
(21) EP17153275.7	(51) H01L 31/042	(21) EP19173544.8
(47) 07.10.2020	H02S 20/30	(47) 07.10.2020
(22) 26.01.2017	H02S 30/10	(22) 09.05.2019
(54) SOLAR CELL	H02S 40/10	(54) SENSOR FOR ELECTROMAGNETIC RADIATION OF MICROWAVE AND TERAHERTZ FREQUENCIES
(73) LG ELECTRONICS INC.	H02S 40/42	(73) Valstybinis Moksliniu Tyrimu Institutas Fiziniu Ir Technologijos Mokslu Centras
(72) Yang, Juhong	(11) EP3566301	(72) SUZIEDELIS, Algirdas
Chung, Indo	(21) EP17829849.3	ASMONTAS, Steponas
Lee, Eunjo	(47) 07.10.2020	GRADAUSKAS, Jonas
Heo, Mihee	(87) US2017067574	STEIKUNIENE, Angele
(31) 20160010054	12.07.2018	STEIKUNAS, Gytis Julius
20170010138	(22) 20.12.2017	ANBINDERIS, Maksimas
(32) 27.01.2016	(54) COOLING A SOLAR POWER MODULE	(31) 2018524
23.01.2017	(73) Saudi Arabian Oil Company	2018547
(33) Korea (Republic)	(72) HASSELL, JR., James Clyde	(32) 13.06.2018
Korea (Republic)	DO VAL, Luiz Gustavo	07.11.2018
(51) H01L 31/0224	(31) 201715397205	(33) Lithuania
H01L 31/0745	(32) 03.01.2017	Lithuania
H01L 31/0747	(33) United States of America	(51) H01L 31/18
H01L 31/0216	(51) H01L 31/048	H01L 31/20
H01L 31/05	(11) EP2717328	H01L 31/0747
(11) EP2930755	(21) EP12791968.6	(11) EP3349257
(21) EP15000996.7	(47) 07.10.2020	(21) EP18150978.7
(47) 07.10.2020	(87) JP2012056892	(47) 07.10.2020
(22) 08.04.2015	06.12.2012	(22) 10.01.2018
(54) SOLAR CELL AND METHOD FOR MANUFACTURING THE SAME	(22) 16.03.2012	(54) METHOD OF MANUFACTURING SOLAR CELL
(73) LG Electronics Inc.	(54) MANUFACTURING METHOD FOR A SOLAR MODUL	(73) LG Electronics Inc.
(72) KIM, Kisu	(73) Panasonic Intellectual Property Management Co., Ltd.	
LEE, Giwon	(72) YOSHIMINE, Yukihiko	
JUNG, Ilhyoung		
NAM, Jeongbeom		
(31) 20140041983		

- (72) LEE, Kyoungsoo
HWANG, Sunghyun
PARK, Sangwook
(31) 20170008116
(32) 17.01.2017
(33) Korea (Republic)

(51) H01L 33/00
H01L 33/02
H01L 33/04
H01L 33/06
H01L 33/12
H01L 33/14
H01L 33/32
(11) EP2843714
(21) EP14182021.7
(47) 07.10.2020
(22) 22.08.2014
(54) Semiconductor light emitting device
including hole injection layer and method
of fabricating the same.
(73) Samsung Electronics Co., Ltd
(72) Kim, Jae-kyun
Kim, Joo-sung
Kim, Jun-young
Park, Young-soo
Tak, Young-jo
(31) 20130102667
(32) 28.08.2013
(33) Korea (Republic)

(51) H01L 33/00
H01L 33/22
(11) EP1798780
(21) EP06291934.5
(47) 07.10.2020
(22) 14.12.2006
(54) Method of fabricating a light emitting
device
(73) LG Electronics, Inc.
LG Innotek Co., Ltd.
(72) Kim, Jong Wook
Cho, Hyun Kyong
(31) 20050123861
(32) 15.12.2005
(33) Korea (Republic)

(51) H01L 33/00
H01L 33/46
H01L 33/50
H01L 33/56
(11) EP3125310
(21) EP16181438.9
(47) 07.10.2020
(22) 27.07.2016
(54) LIGHT EMITTING DEVICE AND
METHOD OF MANUFACTURING THE
SAME
(73) NICHIA CORPORATION
(72) TAMAKI, Hiroto
SATO, Yoshiki
BANDO, Yoichi
(31) 2015149061
(32) 28.07.2015
(33) Japan

(51) H01L 33/48
H01L 33/56
H01L 33/58
(11) EP2752896
(21) EP14150412.6
(47) 07.10.2020
- (22) 08.01.2014
(54) LIGHT EMITTING DEVICE PACKAGE
(73) LG Innotek Co., Ltd.
(72) Kim, Byung Mok
Kodaira, Hiroshi
Kim, Ha Na
Tanda, Yuichiro
Ozeki, Satoshi
(31) 20130002145
(32) 08.01.2013
(33) Korea (Republic)

(51) H01L 35/08
(11) EP3582273
(21) EP19179024.5
(47) 07.10.2020
(22) 07.06.2019
(54) THERMOELECTRIC CONVERSION
MODULE
(73) YAMAHA CORPORATION
(72) Sakurachi, Kazushi
Hayashi, Takahiro
(31) 2018112267
(32) 12.06.2018
(33) Japan

(51) H01L 35/16
H01L 35/18
H01L 35/22
H01L 35/34
(11) EP3257088
(21) EP15882218.9
(47) 07.10.2020
(87) US2015015724
18.08.2016
(22) 13.02.2015
(54) PRACTICAL METHOD OF
PRODUCING AN AEROGEL
COMPOSITE CONTINUOUS
THIN FILM THERMOELECTRIC
SEMICONDUCTOR MATERIAL
(73) Pen, The
(72) Pen, The

(51) H01L 35/30
H01L 35/32
(11) EP3550618
(21) EP17876250.6
(47) 07.10.2020
(87) JP2017038733
07.06.2018
(22) 26.10.2017
(54) THERMOELECTRIC MODULE
(73) KYOCERA Corporation
(72) FURUKAWA, Tomohiro
(31) 2016231465
(32) 29.11.2016
(33) Japan

(51) H01L 51/10
H01L 51/40
C01B 32/168
(11) EP3066701
(21) EP14803253.5
(47) 07.10.2020
(87) IL2014050966
14.05.2015
(22) 06.11.2014
(54) NANOTUBE BASED TRANSISTOR
STRUCTURE, METHOD OF
FABRICATION AND USES THEREOF
- (73) Yeda Research and Development Co.,
Ltd.
(72) SHAHAL, Ilani
PECKER, Sharon
BENYAMINI, Avishai
WAISSMAN, Jonah
HAMO, Assaf
HONIG, Maayan
(31) 201361900439 P
(32) 06.11.2013
(33) United States of America

(51) H01L 51/50
(11) EP2983221
(21) EP14180200.9
(47) 07.10.2020
(22) 07.08.2014
(54) Light emitting device
(73) OLEDWorks GmbH
(72) GOLDMANN, Claudia Michaela
LÖBL, Hans-Peter

(51) H01L 51/52
(11) EP3210250
(21) EP15791829.3
(47) 07.10.2020
(87) US2015056822
28.04.2016
(22) 22.10.2015
(54) OLEDs WITH IMPROVED LIGHT
EXTRACTION USING ENHANCED
GUIDED MODE COUPLING
(73) Corning Incorporated
(72) MODAVIS, Robert Adam
NOLAN, Daniel Aloysius
QUESADA, Mark Alejandro
SENARATNE, Wageesha
THELEN, Dean Michael
(31) 201462068190 P
(32) 24.10.2014
(33) United States of America

(51) H01L 51/52
(11) EP3136824
(21) EP15783734.5
(47) 07.10.2020
(87) JP2015058483
29.10.2015
(22) 20.03.2015
(54) ORGANIC ELECTROLUMINESCENCE
ELEMENT AND METHOD
FOR PRODUCING ORGANIC
ELECTROLUMINESCENCE ELEMENT
(73) Konica Minolta, Inc.
(72) HAYASHI Kenji
KIKUCHI Koutarou
(31) 2014089021
(32) 23.04.2014
(33) Japan

(51) H01L 51/52
(11) EP2996168
(21) EP15182174.1
(47) 07.10.2020
(22) 24.08.2015
(54) ORGANIC ELECTROLUMINESCENT
DEVICE AND DISPLAY HAVING THE
SAME
(73) EverDisplay Optronics (Shanghai)
Limited
(72) Zhu, Wenxiu
Tsou, Chungche

Huang, Chuwan	(73) Lin, Guangrong	(32) 30.09.2014
Gao, Yanpin	(72) ZHENG, Xianbin	(33) United States of America
(31) 201410464474	LIN, Guangrong	(51) H01M 2/10
(32) 12.09.2014	(31) 201610900334	H01M 2/34
(33) China	(32) 14.10.2016	H01M 10/613
(51) H01L 51/52	(33) China	H01M 10/625
H01L 51/56	(51) H01M 2/10	(11) EP3425695
(11) EP2993712	H01M 2/20	(21) EP17204345.7
(21) EP14804041.3	H01M 2/30	(47) 07.10.2020
(47) 07.10.2020	(11) EP2814087	(22) 29.11.2017
(87) KR2014004867	(21) EP14171099.6	(54) BATTERY SYSTEM
04.12.2014	(47) 07.10.2020	(73) Hyundai Motor Company
(22) 30.05.2014	(22) 04.06.2014	Kia Motors Corporation
(54) ORGANIC LIGHT-EMITTING DEVICE AND MANUFACTURING METHOD THEREFOR	(54) BATTERY PACK WITH WIRING CONNECTIONS	(72) Yang, Hui Tae
(73) LG Display Co., Ltd.	(73) GS Yuasa International Ltd.	Kim, Jin Won
(72) CHOI, Junrye	(72) OSHIBA, Masashi	(31) 20170086415
LEE, Jung Hyoung	KOYAMA, Hiroyasu	(32) 07.07.2017
KIM, Jihee	MIZUKAWA, Yuta	(33) Korea (Republic)
(31) 20130062366	FUJISAWA, Kazuya	(51) H01M 2/10
(32) 31.05.2013	(31) 2013125890	H01M 10/613
(33) Korea (Republic)	(32) 14.06.2013	H01M 10/617
(51) H01M 2/02	(33) Japan	H01M 10/6554
(11) EP3446346	(51) H01M 2/10	H01M 10/6556
(21) EP17716182.5	H01M 2/20	H01M 10/6567
(47) 07.10.2020	H01M 10/04	(11) EP3528337
(87) EP2017058123	H01M 10/613	(21) EP17879805.4
26.10.2017	H01M 10/625	(47) 07.10.2020
(22) 05.04.2017	H01M 10/6551	(87) KR2017014569
(54) MULTICAVITY BATTERY MODULE	H01M 10/6554	21.06.2018
(73) Robert Bosch GmbH	H01M 10/6569	(22) 12.12.2017
(72) MILLON, Christopher	(11) EP3460871	(54) BATTERY PACK
(31) 201615136141	(21) EP18770713.8	(73) LG Chem, Ltd.
(32) 22.04.2016	(47) 07.10.2020	(72) DUDLEY, Scott
(33) United States of America	(87) KR2018002007	NOWICKI, Amanda
(51) H01M 2/06	27.09.2018	(31) 201662432954 P
H01M 2/10	(22) 19.02.2018	201715446733
H01M 2/20	(54) BATTERY MODULE, BATTERY PACK INCLUDING THE BATTERY MODULE, AND AUTOMOBILE INCLUDING THE BATTERY PACK	(32) 12.12.2016
H01M 2/30	(73) LG Chem, Ltd.	01.03.2017
H01M 10/0525	(72) RYU, Jae-Uk	(33) United States of America
B60L 50/64	YOON, Ji-Su	United States of America
(11) EP3424093	KANG, Dal-Mo	(51) H01M 2/12
(21) EP17708514.9	MUN, Jeong-O	(11) EP3125334
(47) 07.10.2020	(31) 20170035398	(21) EP16181576.6
(87) EP2017055028	(32) 21.03.2017	(47) 07.10.2020
08.09.2017	(33) Korea (Republic)	(22) 28.07.2016
(22) 03.03.2017	(51) H01M 2/10	(54) ENERGY STORAGE APPARATUS
(54) BATTERY TERMINALS FOR A LITHIUM ION BATTERY MODULE	H01M 2/20	(73) GS Yuasa International Ltd.
(73) Clarios Advanced Solutions GmbH	H01M 10/42	(72) MIYAWAKI, Yasutaka
(72) BRENNER, Helge	B60K 1/04	(31) 2015151214
HOH, Markus	B60L 50/60	(32) 30.07.2015
JOSWIG, Ralf	B60L 50/64	(33) Japan
WIEGMANN, Martin	(11) EP3201973	(51) H01M 2/14
(31) 102016103836	(21) EP15775526.5	H01M 2/16
(32) 03.03.2016	(47) 07.10.2020	H01M 4/02
(33) Germany	(87) US2015046930	H01M 4/36
(51) H01M 2/10	07.04.2016	H01M 4/62
A24F 47/00	(22) 26.08.2015	H01M 4/13
(11) EP3518311	(54) SYSTEM FOR PROVIDING STRUCTURAL INTEGRITY OF A BATTERY MODULE	H01M 4/136
(21) EP17860918.6	(73) CPS Technology Holdings LLC	H01M 4/139
(47) 07.10.2020	(72) DEKEUSTER, Richard, M.	H01M 4/1397
(87) CN20171101103	MACK, Robert, J.	(11) EP3386003
19.04.2018	(31) 201414501971	(21) EP18159833.5
(22) 08.09.2017		(47) 07.10.2020
(54) ELLIPTICAL BATTERY ROD FOR ELECTRONIC CIGARETTE		(22) 02.03.2018
		(54) LITHIUM ION BATTERY COMPRISING CONDUCTIVE CARBON COATED POLYMER DEPOSITED THROUGH

3D PRINTING TECHNIQUE FOR HIGH TEMPERATURE SHUTDOWN	H01M 4/80	(31) 2017085600
(73) Airbus Singapore Private Limited	H01M 6/40	(32) 24.04.2017
Singapore University of Technology and Design	H01M 10/04	(33) Japan
(72) Huang, Zhi-Xiang	H01M 4/131	(51) H01M 4/04
Sim, Glenn-Joey	H01M 4/134	H01M 10/052
Yang, Hui-Ying	H01M 4/139	(11) EP3577705
Tan, Jeck Chuang	H01M 4/1395	(21) EP18703257.8
(31) 2017002726	H01M 4/525	(47) 07.10.2020
(32) 03.04.2017	H01M 10/052	(87) EP2018052028
(33) Singapore	H01M 10/0525	09.08.2018
(51) H01M 2/16	H01M 10/0587	(22) 29.01.2018
H01M 4/38	(11) EP3332436	(54) FLEXIBLE THIN-FILMS FOR BATTERY ELECTRODES
H01M 4/40	(21) EP16833718.6	(73) Université de Liège
H01M 4/46	(47) 07.10.2020	(72) BOSCHINI, Frédéric
H01M 4/485	(87) US2016045102	PIFFET, Caroline
H01M 4/505	09.02.2017	CLOOTS, Rudi
H01M 4/525	(22) 02.08.2016	(31) 17153943
H01M 4/58	(54) MICRO-POROUS BATTERY SUBSTRATE	(32) 31.01.2017
H01M 4/587	(73) Google LLC	(33) European Patent Office (EPO)
H01M 10/05	(72) HWANG, Tai, Sup	(51) H01M 4/36
H01M 10/052	BHARDWAJ, Ramesh, C.	H01M 4/38
H01M 10/0567	(31) 201514817184	H01M 4/48
H01M 10/0568	(32) 03.08.2015	H01M 4/587
H01M 10/0569	(33) United States of America	(11) EP3249724
(11) EP3333962	(51) H01M 4/02	(21) EP17170757.3
(21) EP16834878.7	H01M 4/38	(47) 07.10.2020
(47) 07.10.2020	H01M 4/62	(22) 12.05.2017
(87) JP2016069049	H01M 4/13	(54) NEGATIVE ELECTRODE ACTIVE MATERIAL AND BATTERY
16.02.2017	H01M 4/58	(73) Panasonic Intellectual Property Management Co., Ltd.
(22) 27.06.2016	H01M 10/052	(72) KANO, Akira
(54) ELECTROLYTIC SOLUTION FOR NONAQUEOUS ELECTROLYTIC SOLUTION SECONDARY BATTERIES AND NONAQUEOUS ELECTROLYTIC SOLUTION SECONDARY BATTERY	(11) EP3304623	MATSUSHITA, Junko
(73) Central Glass Co., Ltd.	(21) EP15893767.2	HOJO, Nobuhiko
(72) ITABASHI, Saori	(47) 07.10.2020	(31) 2016105987
KAWABATA, Wataru	(87) CN2015080924	(32) 27.05.2016
SUZUKI, Katsutoshi	08.12.2016	(33) Japan
TAKEDA, Kazunari	(22) 05.06.2015	(51) H01M 4/62
(31) 2015159321	(54) SULFUR-CARBON COMPOSITE COMPRISING MICRO-POROUS CARBON NANOSHEETS FOR LITHIUM-SULFUR BATTERIES AND PROCESS FOR PREPARING THE SAME	H01M 4/131
(32) 12.08.2015	(73) Robert Bosch GmbH	H01M 4/50
(33) Japan	Institute of Chemistry, Chinese Academy of Sciences	H01M 4/505
(51) H01M 2/16	(72) GUO, Yuguo	H01M 10/054
H01M 10/052	ZHANG, Shuaifeng	H01M 10/0565
H01M 10/0525	YIN, Yaxia	(11) EP3078069
(11) EP3367465	CHEN, Yunhua	(21) EP14868257.8
(21) EP17810566.4	ZHAO, Nahong	(47) 07.10.2020
(47) 07.10.2020	(51) H01M 4/04	(87) US2014068338
(87) KR2017005976	H01M 4/36	11.06.2015
14.12.2017	H01M 10/04	(22) 03.12.2014
(22) 08.06.2017	H01M 4/131	(54) SOLID, IONICALLY CONDUCTING POLYMER MATERIAL, AND APPLICATIONS
(54) SEPARATOR AND ELECTROCHEMICAL DEVICE INCLUDING THE SAME	H01M 4/1391	(73) Ionic Materials, Inc.
(73) LG Chem, Ltd.	H01M 4/505	(72) ZIMMERMAN, Michael, A.
(72) GU, Min-Ji	H01M 4/525	GAVRILOV, Alexei, B.
SUNG, Dong-Wook	H01M 10/0525	(31) 201361911049 P
(31) 20160070733	(11) EP3396741	(32) 03.12.2013
(32) 08.06.2016	(21) EP18167555.4	(33) United States of America
(33) Korea (Republic)	(47) 07.10.2020	(51) H01M 4/62
(51) H01M 4/02	(22) 16.04.2018	H01M 4/485
H01M 4/04	(54) LITHIUM ION SECONDARY BATTERY AND METHOD OF PRODUCING THE SAME	H01M 10/052
H01M 4/38	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(11) EP3457476
H01M 4/66	(72) HORI, Yukiko	(21) EP18157343.7
H01M 4/74		(47) 07.10.2020
		(22) 19.02.2018

(54) ACTIVE MATERIAL, ELECTRODE, SECONDARY BATTERY, BATTERY PACK, AND VEHICLE	(72) KUDO Akihiko KANAI Tomonori ARIMA Tomoyuki	H01Q 13/20 H01Q 13/26 H01Q 13/28
(73) KABUSHIKI KAISHA TOSHIBA	(31) 2015179359	H01Q 15/00
(72) Harada, Yasuhiro	(32) 11.09.2015	H01Q 21/06
Takami, Norio	(33) Japan	H01Q 21/24
Ise, Kazuki	(51) H01M 10/44	H01Q 25/00
(31) 2017178774	H01M 10/48	(11) EP3158607
(32) 19.09.2017	H02H 7/18	(21) EP15810252.5
(33) Japan	H02J 7/00	(47) 07.10.2020
(51) H01M 8/18	H01M 10/0525	(87) US2015036104
H01M 8/20	H01M 10/625	23.12.2015
H01M 8/04014	(11) EP3282534	(22) 16.06.2015
H01M 8/04186	(21) EP17184667.8	(54) DUAL-POLARIZATION, CIRCULARLY-POLARIZED, SURFACE-WAVE-WAVEGUIDE, ARTIFICIAL-IMPEDANCE-SURFACE ANTENNA
H01M 8/0612	(47) 07.10.2020	(73) HRL Laboratories, LLC
(11) EP3582313	(22) 03.08.2017	(72) GREGOIRE, Daniel J.
(21) EP19176332.5	(54) ENERGY STORAGE APPARATUS AND CHARGE CONTROL METHOD FOR THE SAME	(31) 201414310895
(47) 07.10.2020	(73) GS Yuasa International Ltd.	(32) 20.06.2014
(22) 24.05.2019	(72) SHIRAISHI, Takeyuki	(33) United States of America
(54) FUEL CELL SYSTEM	(31) 2016156356	(51) H01P 1/208
(73) Panasonic Intellectual Property Management Co., Ltd.	(32) 09.08.2016	H01P 7/06
(72) TAMURA, Satoru	(33) Japan	(11) EP3367496
HAYASHI, Takao	(51) H01M 10/44	(21) EP16887182.0
FAYOLLE, Marine	H01M 10/48	(47) 07.10.2020
KITAZAWA, Yosuke	H02J 7/00	(87) CN2016072804
(31) 2018111809	H03K 3/84	03.08.2017
(32) 12.06.2018	G01R 31/36	(22) 29.01.2016
(33) Japan	(11) EP3433918	(54) FILTER UNIT AND FILTER
(51) H01M 10/42	(21) EP17778499.8	(73) Huawei Technologies Co., Ltd.
H01M 10/48	(47) 07.10.2020	(72) ZHANG, Chuanan
H02J 7/00	(87) CA2017000081	CHEN, Yi
G01R 31/3835	12.10.2017	(51) H01P 3/02
G01R 31/392	(22) 10.04.2017	H01P 5/12
G01R 31/396	(54) BATTERY CHARGING BASED ON REAL-TIME BATTERY CHARACTERIZATION	H01Q 21/00
G01R 31/36	(73) Gbatteries Energy Canada Inc.	H01Q 21/06
(11) EP2642307	(72) TKACHENKO, Oleksandr	(11) EP3331092
(21) EP10859666.9	SHERSTYUK, Mykola	(21) EP15899677.7
(47) 07.10.2020	(31) 201662319973 P	(47) 07.10.2020
(87) JP2010072074	201762449445 P	(87) JP2015071687
24.05.2012	(32) 08.04.2016	02.02.2017
(22) 09.12.2010	(33) United States of America	(22) 30.07.2015
(54) DEVICE FOR CONTROLLING ASSEMBLED BATTERY	(31) United States of America	(54) FEEDER CIRCUIT
(73) Nissan Motor Co., Ltd	(32) United States of America	(73) Mitsubishi Electric Corporation
(72) KUBOTA, Tomoya	(51) H01M 10/48	(72) HIROTA, Akimichi
MIYAZAKI, Yasuhito	H01M 10/0525	YONEDA, Naofumi
KATO, Yukinari	(11) EP2430697	UDAGAWA, Shigeo
SHIMOIDA, Yoshio	(21) EP10719187.6	KIRITA, Mitsuru
(31) 2010257194	(47) 07.10.2020	(51) H01P 5/08
2010272252	(87) US2010034080	H01P 5/12
(32) 17.11.2010	18.11.2010	H01P 11/00
07.12.2010	(22) 07.05.2010	(11) EP3462532
(33) Japan	(54) METHOD FOR DETERMINING EXTENT AND TYPE OF CAPACITY FADE	(21) EP18191406.0
Japan	(73) Robert Bosch GmbH	(47) 07.10.2020
(51) H01M 10/42	(72) CHRISTENSEN, John, F.	(22) 29.08.2018
H01M 10/48	AHMED, Jasim	(54) POWER DIVIDER FOR ANTENNA COMPRISING FOUR IDENTICAL ORTHOMODE TRANSDUCERS
H02J 7/00	ROESSLER, Mario	(73) Thales
H02J 7/02	(31) 466707	(72) FRAYSSE, Jean-Philippe
B60L 58/21	(32) 15.05.2009	LEGAY, Hervé
(11) EP3349327	(33) United States of America	TUBAU, Ségolène
(21) EP16844101.2	(51) H01P 1/165	(31) 1700993
(47) 07.10.2020	H01Q 1/24	(32) 28.09.2017
(87) JP2016073223	H01Q 9/04	(33) France
16.03.2017	H01Q 11/02	(51) H01Q 1/04
(22) 08.08.2016		
(54) BATTERY MANAGEMENT DEVICE		
(73) Hitachi Automotive Systems, Ltd.		

H01Q 1/12	(11) EP3361563	E05B 81/78
H01Q 1/24	(21) EP18156258.8	H01Q 5/25
(11) EP3308424	(47) 07.10.2020	(11) EP3524759
(21) EP16728301.9	(22) 12.02.2018	(21) EP18201259.1
(47) 07.10.2020	(54) GLASS ANTENNA AND WINDOW	(47) 07.10.2020
(87) EP2016063095	GLASS FOR VEHICLE	(22) 18.10.2018
15.12.2016	(73) AGC Inc.	(54) VEHICLE DOOR WITH HANDLE
(22) 09.06.2016	(72) NAKANO, Kazuhiro	(73) HUF Hülsbeck & Furst GmbH & Co. KG
(54) SHAFT ANTENNA SYSTEM FOR	MUROFUSHI, Takeshi	(72) BREER, Jan
MOBILE COMMUNICATION	(31) 2017025267	NEUHOFF, Herr Stefan
(73) TELEFONAKTIEBOLAGET LM	2017232381	(31) 102018103045
ERICSSON (PUBL)	(32) 14.02.2017	(32) 12.02.2018
(72) SCHLOSSER, Maximilian	04.12.2017	(33) Germany
(31) 102015007505	(33) Japan	(51) H01Q 3/22
(32) 11.06.2015	Japan	H01Q 3/26
(33) Germany	(51) H01Q 1/24	H01Q 3/46
(51) H01Q 1/12	H01Q 3/46	H01Q 13/02
(11) EP2173008	H01Q 19/06	H01Q 13/06
(21) EP08777531.8	H01Q 21/06	H01Q 15/00
(47) 07.10.2020	H01Q 21/20	H01Q 15/14
(87) JP2008061420	H01Q 5/35	H01Q 19/02
31.12.2008	H01Q 5/40	H01Q 19/13
(22) 23.06.2008	(11) EP3401999	(11) EP1993166
(54) HIGH FREQUENCY GLASS ANTENNA	(21) EP16883723.5	(21) EP07445023.0
FOR AUTOMOBILES	(47) 07.10.2020	(47) 07.10.2020
(73) AGC Inc.	(87) JP2016085913	(22) 14.05.2007
(72) KUBOTA, Masato	13.07.2017	(54) Antenna device
ISHII, Kenichi	(22) 02.12.2016	(73) Saab AB
HORIE, Yasuhiro	(54) LUNEBERG LENS ANTENNA DEVICE	(72) Forslund, Ola
SHIMO, Kenichiro	(73) Murata Manufacturing Co., Ltd.	(51) H01Q 3/24
WATANABE, Mitsuro	(72) KAWAHATA Kazunari	H04W 16/28
NODA, Kazuyoshi	(31) 2016001691	(11) EP3531505
(31) 2007165077	(32) 07.01.2016	(21) EP16923146.1
(32) 22.06.2007	(33) Japan	(47) 07.10.2020
(33) Japan	(51) H01Q 1/26	(87) CN2016108609
(51) H01Q 1/12	H01Q 3/26	14.06.2018
(11) EP2885838	H04Q 1/48	(22) 05.12.2016
(21) EP13829578.7	(11) EP3175628	(54) BEAM TRACKING APPARATUS AND
(47) 07.10.2020	(21) EP15826779.9	METHOD, AND ANTENNA SYSTEM
(87) US2013055320	(47) 07.10.2020	(73) Huawei Technologies Co., Ltd.
20.02.2014	(87) US2015042487	(72) LUO, Yanxing
(22) 16.08.2013	04.02.2016	LONG, Hao
(54) CLAMP DEVICE FOR MOUNTING	(22) 28.07.2015	TANG, Fusheng
ANTENNA TO RAIL	(54) IONIC FLUID ANTENNA	ZENG, Zhuo
(73) Dish Network, L.L.C.	(73) Towle, Jonathan P.	(51) H01Q 3/26
Lettkeman, David M.	(72) Towle, Jonathan P.	H04B 7/06
(72) LETTKEMAN, David M.	(31) 201462030918 P	H04W 16/28
(31) 201261684071 P	201462030910 P	(11) EP2930966
(32) 16.08.2012	(32) 30.07.2014	(21) EP14305518.4
(33) United States of America	30.07.2014	(47) 07.10.2020
(51) H01Q 1/12	(33) United States of America	(22) 09.04.2014
H01Q 1/32	United States of America	(54) SELECTING BEAM-FORMING
(11) EP3304641	(51) H01Q 1/28	WEIGHTING VECTORS FOR
(21) EP16723071.3	H01Q 9/04	ANTENNAE
(47) 07.10.2020	(11) EP3139442	(73) Alcatel Lucent
(87) EP2016060510	(21) EP16186453.3	(72) Lopez-Perez, David
08.12.2016	(47) 07.10.2020	Razavi, Rouzbeh
(22) 11.05.2016	(22) 30.08.2016	(51) H01Q 7/06
(54) ANTENNA MODULE FOR A MOTOR	(54) PATCH ANTENNA	(11) EP3424106
VEHICLE	(73) Hand Held Products, Inc.	(21) EP17708961.2
(73) Continental Automotive GmbH	(72) DAVIES, Richard Lewis	(47) 07.10.2020
(72) CHAKAM, Guy-Aymar	MEZZAROBBA, Emiliano	(87) US2017019320
(31) 102015210321	(31) 201514843207	08.09.2017
(32) 03.06.2015	(32) 02.09.2015	(22) 24.02.2017
(33) Germany	(33) United States of America	(54) ANTENNA ARRANGEMENT
(51) H01Q 1/12	(51) H01Q 1/32	(73) Microsoft Technology Licensing, LLC
H01Q 9/42	H01Q 15/16	(72) LILJA, Juha
H01Q 5/40	E05B 81/76	(31) 201615060594

(32) 03.03.2016	(87) DE2015100330	(87) DE2016000200
(33) United States of America	10.03.2016	17.11.2016
(51) H01R 4/02	(22) 05.08.2015	(22) 10.05.2016
H01R 13/24	(54) CRIMP CONTACT	(54) PLUG CONNECTOR STRUCTURE
H05B 3/84	(73) Harting Electric GmbH & Co. KG	FOR ELECTRONIC PRINTED CIRCUIT
B60J 10/70	(72) WANG, Xiafu	BOARDS
(11) EP3039746	SCHMIDT, Martin	(73) Hottinger Baldwin Messtechnik GmbH
(21) EP14761459.8	(31) 102014112701	(72) WOLLBECK, Joachim
(47) 07.10.2020	(32) 03.09.2014	(31) 102015005909
(87) US2014051250	(33) Germany	(32) 10.05.2015
19.02.2015	(51) H01R 4/56	(33) Germany
(22) 15.08.2014	H01R 13/424	(51) H01R 12/70
(54) WINDOW ASSEMBLY WITH	H01R 13/426	A61B 1/00
ELECTRICALLY CONDUCTIVE	H01R 13/506	H01R 13/00
COMPRESSIBLE MEMBER	H01R 13/53	H01R 13/62
(73) AGC Automotive Americas R & D, Inc.	(11) EP3345261	A61B 34/30
AGC Flat Glass North America, Inc.	(21) EP16765912.7	(11) EP3565449
(72) BENNETT, Daniel, D.	(47) 07.10.2020	(21) EP18725165.7
SCHUCH, William, C.	(87) DE2016100380	(47) 07.10.2020
(31) 201361866911 P	09.03.2017	(87) EP2018062327
(32) 16.08.2013	(22) 22.08.2016	29.11.2018
(33) United States of America	(54) CONTACT CARRIER	(22) 14.05.2018
(51) H01R 4/02	(73) Harting Electric GmbH & Co. KG	(54) MEDICAL MECHATRONIC MALE AND
H01R 13/533	(72) KROPIEWNICKI, Norbert	FEMALE INTERFACE DEVICE
H01R 43/02	WANG, Xiafu	(73) medineering GmbH
(11) EP3342008	(31) 102015114470	(72) KRINNINGER, Maximilian
(21) EP16747516.9	(32) 31.08.2015	NOWATSCHIN, Stephan
(47) 07.10.2020	(33) Germany	KÜHNHAU, Christian
(87) EP2016068566	(51) H01R 11/28	ROPPENECKER, Daniel
02.03.2017	H01R 13/04	GIERLACH, Dominik
(22) 03.08.2016	H01R 13/187	AGRICOLA, Johannes
(54) METHOD FOR PRODUCING A	H01R 13/44	HOFBERGER, Stefan
PLUG CONNECTOR, METHOD FOR	(11) EP3570382	(31) 102017111302
AMPLIFYING A PLUG CONNECTOR	(21) EP19167766.5	(32) 23.05.2017
AND DEVICE	(47) 07.10.2020	(33) Germany
(73) Continental Teves AG & Co. OHG	(22) 08.04.2019	(51) H01R 12/71
(72) HUBER, Dietmar	(54) FITTING CONNECTOR	H01R 24/38
RAUKOPF, Svenja	(73) YAZAKI CORPORATION	F16M 11/04
SCHILLINGER, Jakob	(72) MINAMINO, Yuya	H01R 13/60
(31) 102015216205	(31) 2018092789	H01R 13/62
(32) 25.08.2015	(32) 14.05.2018	H04M 1/02
(33) Germany	(33) Japan	H05K 1/11
(51) H01R 4/20	(51) H01R 12/51	(11) EP3224911
H01R 4/30	H01R 12/58	(21) EP15862208.4
H01R 4/36	H01L 23/538	(47) 07.10.2020
H01R 13/44	H02M 7/00	(87) US2015062522
(11) EP3210260	H05K 7/02	02.06.2016
(21) EP15781953.3	H02M 7/5387	(22) 24.11.2015
(47) 07.10.2020	(11) EP3540932	(54) THIN FILM TYPE MAGNETIC
(87) EP2015074297	(21) EP16921202.4	CONNECTOR MODULE
28.04.2016	(47) 07.10.2020	(73) SPS Inc.
(22) 21.10.2015	(87) JP2016083587	(72) KIM, Hyun-jun
(54) ARRANGEMENT FOR CONNECTING	17.05.2018	YOUN, Dae-young
TWO ELECTRICAL CONDUCTORS	(22) 11.11.2016	KIM, Sang-min
(73) TE Connectivity Germany GmbH	(54) POWER CONVERSION DEVICE AND	KIM, Jung Gyo
(72) ECKEL, Markus	AIR CONDITIONING DEVICE USING	JEONG, Seung-ju
GRZYWOK, Wilhelm	SAME	(31) 20140008618 U
HAUCK, Uwe	(73) Mitsubishi Electric Corporation	201514948724
(31) 102014221347	(72) YUASA, Kenta	(32) 25.11.2014
(32) 21.10.2014	TANIGUCHI, Yoshihiro	23.11.2015
(33) Germany	NOZUKI, Yoshikazu	(33) Korea (Republic)
(51) H01R 4/20	(51) H01R 12/57	United States of America
H01R 4/50	H01R 12/70	(51) H01R 12/72
H01R 4/62	H01R 13/11	B29C 45/17
H01R 43/16	H01R 43/26	H01R 13/50
(11) EP3189561	(11) EP3295523	H01R 43/24
(21) EP15766384.0	(21) EP16751461.1	(11) EP3504757
(47) 07.10.2020	(47) 07.10.2020	(21) EP17767732.5

(47) 07.10.2020	(11) EP2863486	(47) 07.10.2020
(87) EP2017071432	(21) EP14189014.5	(87) IB2017050058
08.03.2018	(47) 07.10.2020	20.07.2017
(22) 25.08.2017	(22) 15.10.2014	(22) 06.01.2017
(54) CONNECTOR STRIP FOR A CONTROL APPLIANCE	(54) Connector arrangement with cable support	(54) INTERCONNECT SENSOR PLATFORM WITH ENERGY HARVESTING
(73) Robert Bosch GmbH	(73) TE Connectivity Germany GmbH	(73) TE Connectivity Corporation
(72) FRIESS, Gerald	(72) Boemmel, Christian	(72) KING, Alexander Raymond
(31) 102016216177	Jetter, Rolf	AHMED, Mohammad Siddique
(32) 29.08.2016	(31) 102013221339	KOHLER, Raymond Howard
(33) Germany	(32) 21.10.2013	BHATT, Ganesh Shivaram
(51) H01R 12/72	(33) Germany	BARAGONA, Robert Joseph
H01R 12/87	(51) H01R 13/436	(31) 201614992626
H01R 4/18	H01R 13/52	(32) 11.01.2016
H01R 13/631	(11) EP3020099	(33) United States of America
(11) EP3499650	(21) EP14735595.2	(51) H01R 24/38
(21) EP18209001.9	(47) 07.10.2020	H01Q 1/12
(47) 07.10.2020	(87) EP2014064432	H01Q 1/24
(22) 28.11.2018	15.01.2015	H01R 9/05
(54) CARD EDGE CONNECTION UNIT	(22) 07.07.2014	(11) EP3031098
(73) SMK Corporation	(54) ELECTRICAL PLUG TYPE	(21) EP14758196.1
(72) Suzuki, Satoru	CONNECTOR AND PLUG TYPE	(47) 07.10.2020
Yoshida, Mitsuhiko	CONNECTOR SYSTEM FOR AN	(87) US2014049971
Uehara, Shogo	ELECTRIC OR HYBRID VEHICLE	26.02.2015
Okumura, Shinya	(73) TE Connectivity Germany GmbH	(22) 06.08.2014
(31) 2017239277	(72) WITTRUCK, Frank	(54) STANDARD ANTENNA INTERFACE
(32) 14.12.2017	WEYRAUCH, Dirk	(73) CommScope Technologies LLC
(33) Japan	(31) 102013213336	(72) COLAPIETRO, Julian
(51) H01R 13/00	(32) 08.07.2013	BUONDELMONTE, Charles J.
H01R 13/518	(33) Germany	BONCZYK, Michael F.
H01R 13/74	(51) H01R 13/52	DONALDSON, Jimmy L. Jr.
(11) EP3275054	(11) EP2720323	KURK, Morgan C.
(21) EP16717998.5	(21) EP13182080.5	BUTLER, Ray K.
(47) 07.10.2020	(47) 07.10.2020	SCHMUTZLER, Steven Lee
(87) IB2016000345	(22) 28.08.2013	DICKERSON, Calvin
29.09.2016	(54) Electrical connector for reducing of fluid-induced electrical shorting	(31) 201361863739 P
(22) 23.03.2016	(73) The Boeing Company	(32) 08.08.2013
(54) RETAINING DEVICE FOR RETAINING A NUMBER OF PLUGS	(72) Devries, Paul Herbert	(33) United States of America
(73) ITT Manufacturing Enterprises LLC	Royzen, Zinovy	(51) H01R 24/56
(72) HAGMANN, Bernd	(31) 201213652020	H01R 4/02
MAYER, Stefan	(32) 15.10.2012	H01R 9/05
(31) 102015205363	(33) United States of America	H01R 43/02
(32) 24.03.2015	(51) H01R 13/52	H01R 43/28
(33) Germany	(11) EP3346557	H01R 103/00
(51) H01R 13/424	(21) EP16841880.4	(11) EP3375053
H01R 13/52	(47) 07.10.2020	(21) EP16864884.8
H01R 43/20	(87) JP2016075407	(47) 07.10.2020
(11) EP3105825	09.03.2017	(87) US2016061069
(21) EP15719830.0	(22) 31.08.2016	18.05.2017
(47) 07.10.2020	(54) WATERPROOF STRUCTURE FOR CONNECTOR	(22) 09.11.2016
(87) IN2015000072	(73) Yazaki Corporation	(54) METHOF FOR FORMING A JOINT BETWEEN A COAXIAL CABLE AND A COAXIAL CONNECTOR, AND A COAXIAL CONNECTOR ASSEMBLY COMPRISING A COAXIAL CABLE AND A COAXIAL CONNECTOR
20.08.2015	Honda Motor Co., Ltd.	(73) Commscope Technologies LLC
(22) 05.02.2015	(72) HAMADA, Keiji	(72) HARWATH, Frank A.
(54) COVER FOR A CONNECTOR HOUSING AND CONNECTOR HOUSING HAVING SUCH COVER	MIYAKAWA, Tomoyuki	PAYNTER, Jeffrey D.
(73) TE Connectivity Germany GmbH	OCHIAI, Kazuyuki	FLEMING, James P.
TE Connectivity India Private Limited	(31) 2015170926	SMENTEK, David J.
(72) ROTH, Konrad Helmut	2015171305	(31) 201562253505 P
TUNA, Parusuram	(32) 31.08.2015	(32) 10.11.2015
(31) 636CH2014	31.08.2015	(33) United States of America
(32) 11.02.2014	(33) Japan	(51) H01R 24/64
(33) India	Japan	G02B 6/38
(51) H01R 13/436	(51) H01R 13/66	H01R 13/443
H01R 13/516	H02J 13/00	H01R 13/639
H01R 13/533	H02J 50/10	
H01R 13/58	(11) EP3403311	
	(21) EP17703222.4	

H01R 43/26	H01S 5/12	(33) United States of America
(11) EP3148007	(11) EP3192136	(51) H02B 1/30
(21) EP16181332.4	(21) EP15757560.6	H02B 3/00
(47) 07.10.2020	(47) 07.10.2020	H02B 13/035
(22) 26.02.2010	(87) GB2015052497	(11) EP3507874
(54) MODULAR CONNECTOR	17.03.2016	(21) EP17803911.1
(73) Optical Fiber Packaging Limited	(22) 28.08.2015	(47) 07.10.2020
(72) ADAMS, Darren	(54) MONOLITHICALLY INTEGRATED	(87) EP2017079996
(31) 0903326	TUNABLE SEMICONDUCTOR LASER	31.05.2018
0915728	(73) Lumentum Technology UK Limited	(22) 22.11.2017
0917235	(72) DAVIES, Sam	(54) METHOD FOR OPERATING
(32) 26.02.2009	WHITBREAD, Neil David	AN ELECTRICAL SWITCHING
08.09.2009	WARD, Andrew	DEVICE WITHIN AN ELECTRICAL
01.10.2009	GRIFFIN, Robert	SWITCHGEAR SYSTEM
(33) United Kingdom	(31) 201414480095	(73) Schneider Electric Industries SAS
United Kingdom	(32) 08.09.2014	(72) RUDOLPH, Thomas
United Kingdom	(33) United States of America	(31) 102016122907
(51) H01R 24/76	(51) H01T 4/12	(32) 28.11.2016
H01R 13/506	H01T 21/00	(33) Germany
H01R 13/52	(11) EP3433911	(51) H02G 7/12
H01R 13/74	(21) EP17706971.3	(11) EP2362511
(11) EP3216094	(47) 07.10.2020	(21) EP10290097.4
(21) EP15787219.3	(87) EP2017053502	(47) 07.10.2020
(47) 07.10.2020	28.09.2017	(22) 26.02.2010
(87) EP2015075215	(22) 16.02.2017	(54) Spacer for medium or high voltage lines
12.05.2016	(54) METHOD FOR PRODUCING AN	(73) Tyco Electronics SIMEL
(22) 30.10.2015	ARRESTER, AND ARRESTER	(72) Royer, Laurent
(54) WATERPROOF POWER SOCKET	(73) TDK Electronics AG	Godard, Jérôme
(73) BSH Hausgeräte GmbH	(72) DOELLGAST, Bernhard	Charton, Thomas
Taller GmbH	KUEGERL, Georg	
(72) BECKER, Jürgen	PUFF, Markus	(51) H02H 3/087
OTT, Hauke Benno	HOFFMANN, Robert	G01R 31/08
DIETRICH, Mike	WERNER, Frank	(11) EP3185025
GERSTMEIER, Ulrich	(31) 102016105541	(21) EP16200023.6
LUTZ, Stephan	(32) 24.03.2016	(47) 07.10.2020
(31) 102014222553	(33) Germany	(22) 22.11.2016
(32) 05.11.2014	(51) H01T 13/20	(54) ELECTRICAL FAULT LOCATION
(33) Germany	H01T 13/34	METHOD
(51) H01R 24/84	H01T 13/41	(73) Rolls-Royce plc
H01R 13/62	(11) EP3104475	(72) Fletcher, Steven
A61B 34/30	(21) EP14881996.4	Norman, Patrick
A61B 46/10	(47) 07.10.2020	Galloway, Stuart
(11) EP3222242	(87) JP2014002900	(31) 201522489
(21) EP17169990.3	13.08.2015	(32) 21.12.2015
(47) 07.10.2020	(22) 02.06.2014	(33) United Kingdom
(22) 10.03.2014	(54) SPARK PLUG	(51) H02H 3/28
(54) SURGICAL SYSTEM WITH STERILE	(73) NGK Spark Plug Co., Ltd.	H02H 3/30
WRAPPINGS	(72) YOSHIDA, Haruki	H02H 7/26
(73) TransEnterix Italia S.r.l.	KITA, Jumpei	H03L 7/08
(72) GIORGI, Fabio	IWASAKI, Yoshitomo	H04J 3/06
(31) MI20130516	HONDA, Toshitaka	(11) EP2638611
(32) 05.04.2013	(31) 2014022891	(21) EP10859587.7
(33) Italy	(32) 07.02.2014	(47) 07.10.2020
(51) H01R 43/05	(33) Japan	(87) CN2010078562
H01R 43/052	(51) H01T 13/36	18.05.2012
H01R 43/28	H01T 13/50	(22) 09.11.2010
(11) EP3447859	H01T 21/02	(54) SYNCHRONIZATION METHOD
(21) EP17187008.2	(11) EP3300193	FOR CURRENT DIFFERENTIAL
(47) 07.10.2020	(21) EP17197755.6	PROTECTION
(22) 21.08.2017	(47) 07.10.2020	(73) ABB Power Grids Switzerland AG
(54) WIRE CUTTER APPARATUS FOR	(22) 02.05.2014	(72) LI, Youyi
CUTTING A WIRE AND CRIMPING ITS	(54) CORONA IGNITION WITH HERMETIC	SU, Bin
ENDS	COMBUSTION SEAL	YANG, Ying
(73) Aptiv Technologies Limited	(73) Federal-Mogul Ignition LLC	EINARSSON, Torbjorn
(72) da Anunciação, Filipe, Fernandes	(72) DURHAM, Mr. Patrick	GAJIC, Zoran
(51) H01S 5/042	LYKOWSKI, Mr. James D.	(51) H02H 7/26
H01S 5/0625	(31) 201361819098 P	H02J 3/00
H01S 5/0687	(32) 03.05.2013	H02J 3/36

(11) EP2891219	(51) H02J 1/10	(22) 27.06.2014
(21) EP13753735.3	H02M 1/14	(54) ENERGY MANAGEMENT SERVER, ENERGY MANAGEMENT METHOD, AND PROGRAM
(47) 07.10.2020	H02M 3/158	(73) Kabushiki Kaisha Toshiba
(87) US2013054850	H02M 3/28	(72) MURAYAMA, Dai
06.03.2014	H02M 1/38	SAITO, Masaaki
(22) 14.08.2013	H05B 33/08	HISADA, Nagako
(54) SYSTEM AND METHOD FOR POWER TRANSMISSION WITH CABLE SEGMENT FAILOVER SUPPORT	H05B 45/10	IINO, Yutaka
(73) General Electric Company	H05B 45/375	(31) 2013139030
(72) WIJEKON, Piniwan, Thiwanka, Bandara	(11) EP3576498	(32) 02.07.2013
SIHLER, Christof, Martin	(21) EP17735368.7	(33) Japan
SCHRAMM, Simon, Herbert	(47) 07.10.2020	(51) H02J 3/00
(31) 201213600556	(87) JP2017003098	H02J 13/00
(32) 31.08.2012	02.08.2018	G06Q 10/04
(33) United States of America	(22) 30.01.2017	G06Q 50/06
(51) H02H 9/00	(54) LED CONTROL DEVICE AND CONTROL METHOD FOR LED CONTROL DEVICE	(11) EP3140898
H02H 9/02	(73) Shindengen Electric Manufacturing Co., Ltd.	(21) EP15712957.8
H02P 29/00	(72) NAGASAKA, Toshihiko	(47) 07.10.2020
F24F 11/00	IKEDA, Katsuya	(87) EP2015057095
(11) EP3438560	TAKASAKA, Seiichi	12.11.2015
(21) EP18186869.6	IJIMA, Shinya	(22) 31.03.2015
(47) 07.10.2020	ITO, Ryuichi	(54) METHOD AND SYSTEM FOR MONITORING DISTRIBUTION SYSTEMS
(22) 01.08.2018	(51) H02J 1/10	(73) Rheinisch-Westfälisch-Technische Hochschule Aachen
(54) HVAC BLOWER PROTECTION	H04L 12/10	(72) MONTI, Antonello
(73) Lennox Industries Inc.	(11) EP3386148	FERDOWSI, Mohsen
(72) SUBRAMANIAM, Palanivel	(21) EP16869701.9	BENIGNI, Andrea
STYER, Austin Clay	(47) 07.10.2020	LÖWEN, Artur
(31) 201715669504	(87) CN2016092715	MCKEEVER, Padraic
(32) 04.08.2017	08.06.2017	(31) 14167552
(33) United States of America	(22) 01.08.2016	(32) 08.05.2014
(51) H02H 11/00	(54) POWER SUPPLY CONTROL METHOD AND APPARATUS FOR COMMUNICATION NETWORK	(33) European Patent Office (EPO)
H02S 50/00	(73) ZTE Corporation	(51) H02J 3/00
(11) EP3259841	(72) GUO, Qiang	H02J 13/00
(21) EP16706774.3	(31) 201510863426	H04L 12/24
(47) 07.10.2020	(32) 30.11.2015	(11) EP3345342
(87) US2016018890	(33) China	(21) EP15813299.3
25.08.2016	(51) H02J 3/00	(47) 07.10.2020
(22) 22.02.2016	H02J 3/12	(87) EP2015079011
(54) PHOTOVOLTAIC STRING REVERSE POLARITY DETECTION	H02J 3/38	15.06.2017
(73) MARICI Holdings The Netherlands B.V.	H02J 13/00	(22) 08.12.2015
(72) WHITE, Paul, M.	(11) EP3362870	(54) DETERMINING A NETWORK TOPOLOGY OF A HIERARCHICAL POWER SUPPLY NETWORK
(31) 201562119208 P	(21) EP16855923.5	(73) Siemens Aktiengesellschaft
(32) 22.02.2015	(47) 07.10.2020	(72) SPIECKERMANN, Sigurd
(33) United States of America	(87) US2016052582	KROMPASS, Denis
(51) H02J 1/10	20.04.2017	BEYER, Dagmar
H02J 1/14	(22) 20.09.2016	(51) H02J 3/02
H02J 7/34	(54) METHOD AND SYSTEM FOR AGGREGATION AND CONTROL OF ENERGY GRIDS WITH DISTRIBUTED ENERGY RESOURCES	H02J 7/35
H02J 7/35	(73) Sadikovic, Andrija	H02J 9/06
H02J 9/06	(72) Sadikovic, Andrija	H02M 7/04
H02J 13/00	(31) 201514885374	(11) EP2698908
(11) EP3252904	(32) 16.10.2015	(21) EP13160207.0
(21) EP15880162.1	(33) United States of America	(47) 07.10.2020
(47) 07.10.2020	(51) H02J 3/00	(22) 20.03.2013
(87) JP2015085779	H02J 3/38	(54) AC-DC power supply device
04.08.2016	H02J 13/00	(73) Boltier R&D
(22) 22.12.2015	G06Q 50/16	(72) Choe, Hun Yong
(54) CONTROL DEVICE, CONTROL METHOD, AND COMPUTER PROGRAM	(11) EP3018784	(31) 20120089039
(73) Sony Corporation	(21) EP14742447.7	20120141809
(72) ANDRE, Alexis	(47) 07.10.2020	(32) 14.08.2012
WERTH, Annette	(87) JP2014067202	07.12.2012
(31) 2015017543	08.01.2015	(33) Korea (Republic)
(32) 30.01.2015		Korea (Republic)
(33) Japan		

(51) H02J 3/38	(11) EP3273570	(87) US2016045969
H02J 3/40	(21) EP17746730.5	09.03.2017
(11) EP3203598	(47) 07.10.2020	(22) 08.08.2016
(21) EP17153024.9	(87) CN2017070728	(54) SYSTEM AND METHOD FOR
(47) 07.10.2020	10.08.2017	CONTACTLESS ENERGY TRANSFER
(22) 25.01.2017	(22) 10.01.2017	TO A MOVING PLATFORM
(54) MEDIUM AND HIGH VOLTAGE GRID-CONNECTED POWER GENERATION SYSTEM, MEDIUM AND HIGH VOLTAGE GRID-CONNECTED SYSTEM	(54) CHARGING SYSTEM, CHARGING METHOD, AND POWER ADAPTER FOR TERMINAL	(73) The Boeing Company
(73) Sungrow Power Supply Co., Ltd.	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(72) JUNGWIRTH, Douglas R.
(72) CHENG, Lin	(72) ZHANG, Jialiang	(31) 201514840384
PAN, Nianan	WAN, Shiming	(32) 31.08.2015
TAO, Lei	ZHANG, Jun	(33) United States of America
SUN, Longlin	TIAN, Chen	(51) H02K 1/18
(31) 201610084340	CHEN, Shebiao	H02K 1/20
201610084366	LI, Jiada	H02K 5/04
(32) 05.02.2016	(31) PCT/CN2016/073679	H02K 9/08
05.02.2016	201610600612	H02K 9/19
(33) China	(32) 05.02.2016	H02K 9/197
China	26.07.2016	(11) EP3454457
(51) H02J 3/38	(33) World Intellectual Property Office (WIPO) China	(21) EP18178552.8
H02M 3/155	(51) H02J 7/00	(47) 07.10.2020
H02M 3/335	H02J 7/35	(22) 19.06.2018
(11) EP3022820	B60L 3/00	(54) ELECTRIC MOTOR HAVING AT LEAST ONE COOLING CHANNEL
(21) EP14739533.9	(11) EP3342021	(73) AUDI AG
(47) 07.10.2020	(21) EP16754584.7	(72) Rehr, Alfred
(87) GB2014052104	(47) 07.10.2020	Schobeß, Nico
22.01.2015	(87) US2016044913	Caramigeas, Thierry
(22) 10.07.2014	02.03.2017	(31) 102017216066
(54) CONTROL ARRANGEMENT	(22) 29.07.2016	(32) 12.09.2017
(73) University Of Plymouth	(54) HIGH EFFICIENCY HIGH VOLTAGE BATTERY PACK FOR ONSITE POWER GENERATION SYSTEMS	(33) Germany
(72) AHMED, Mohammed	(73) Tesla, Inc.	(51) H02K 1/22
(31) 201312621	(72) NARLA, Sandeep	H02K 1/27
(32) 15.07.2013	(31) 201562210053 P	(11) EP2280470
(33) United Kingdom	201514931648	(21) EP09742670.4
(51) H02J 7/00	(32) 26.08.2015	(47) 07.10.2020
(11) EP3261213	03.11.2015	(87) JP2009057994
(21) EP17176761.9	(33) United States of America	12.11.2009
(47) 07.10.2020	United States of America	(22) 22.04.2009
(22) 20.06.2017	(51) H02J 50/00	(54) FIELD ELEMENT
(54) METHOD AND APPARATUS OF BATTERY CHARGING	H02J 50/10	(73) Daikin Industries, Ltd.
(73) Ningde Amperex Technology Limited	H02J 50/90	(72) AOTA, Keiji
(72) LUO, Fuping	B60L 53/122	SANGA, Yoshihito
LUO, Yu	B60L 53/126	YAMAGIWA, Akio
WANG, Shengwei	(11) EP3350899	(31) 2008122256
FANG, Zhanzhao	(21) EP16760891.8	(32) 08.05.2008
GAO, Chao	(47) 07.10.2020	(33) Japan
ZHENG, Qiang	(87) US2016049219	(51) H02K 1/30
(31) 201610447577	23.03.2017	H02K 1/32
(32) 20.06.2016	(22) 29.08.2016	H02K 9/19
(33) China	(54) METHODS AND APPARATUS UTILIZING MULTI-FILAR ALIGNMENT ASSISTANCE IN WIRELESS POWER TRANSFER APPLICATIONS	H02K 15/02
(51) H02J 7/00	(73) WiTricity Corporation	H02K 17/16
B60L 3/00	(72) KEELING, Nicholas Athol	(11) EP3507889
B60L 50/50	KISSIN, Michael Le Gallais	(21) EP17746114.2
(11) EP3553914	(31) 201514858369	(47) 07.10.2020
(21) EP19167358.1	(32) 18.09.2015	(87) EP2017069428
(47) 07.10.2020	(33) United States of America	08.03.2018
(22) 13.11.2013	(51) H02J 50/30	(22) 01.08.2017
(54) CHARGE/DISCHARGE SYSTEM	(11) EP3342026	(54) ROTOR FOR AN ELECTRICAL MACHINE
(73) Volvo Lastvagnar Aktiebolag	(21) EP16754358.6	(73) Vitesco Technologies GmbH
(72) HIKIRI, Kunihiko	(47) 07.10.2020	(72) FRÖHLICH, Holger
TSUCHIYA, Takayuki		FUKUMOTO, Isao
(31) 102016216685		(31) 102016216685
(32) 02.09.2016		(32) 02.09.2016
(33) Germany		(33) Germany
(51) H02J 7/00		(51) H02K 1/30
H02J 7/04		H02K 1/32
H02M 3/335		H02K 9/19
H02J 7/02		

H02K 15/02	(73) AUDI AG	(51) H02K 21/00
H02K 17/16	(72) Juris, Peter	H02K 21/12
(11) EP3504774	Weber, Korbinian	H02K 21/16
(21) EP17746105.0	(31) 102017207659	H02K 21/18
(47) 07.10.2020	(32) 08.05.2017	H02K 21/24
(87) EP2017069396	(33) Germany	H02K 41/03
01.03.2018	(51) H02K 3/28	(11) EP3073621
(22) 01.08.2017	H02K 17/14	(21) EP14864866.0
(54) SHORT-CIRCUIT ROTOR FOR AN	H02M 1/00	(47) 07.10.2020
ASYNCHRONOUS MACHINE	H02M 5/02	(87) CN2014091693
(73) Vitesco Technologies GmbH	H02P 25/20	28.05.2015
(72) FRÖHLICH, Holger	H02P 25/22	(22) 19.11.2014
FUKUMOTO, Isao	(11) EP3484019	(54) AC PERMANENT-MAGNET SWITCHED
(31) 102016216027	(21) EP17823392.0	RELUCTANCE ELECTRIC MOTOR
(32) 25.08.2016	(47) 07.10.2020	(73) Dai, Shanshan
(33) Germany	(87) CN2017000421	(72) ZHU, Shizhu
(51) H02K 1/32	11.01.2018	YING, Zhanfeng
H02K 5/136	(22) 05.07.2017	FENG, Kai
H02K 9/14	(54) POWER-VARIABLE MOTOR AND	WAN, Meng
H02K 9/16	INTELLIGENT CONTROLLER	(31) 201310584522
H02K 15/00	THEREFOR	201310584450
(11) EP2715918	(73) Zhang, Shixing	(32) 20.11.2013
(21) EP12733029.8	(72) Zhang, Shixing	20.11.2013
(47) 07.10.2020	(31) 201610527604	(33) China
(87) EP2012062417	(32) 07.07.2016	China
10.01.2013	(33) China	(51) H02M 1/00
(22) 27.06.2012	(51) H02K 5/18	H02M 1/12
(54) ELECTRIC MACHINE WITH ROTOR	H02P 9/10	H02M 1/32
INTERIOR VENTILATION	H02K 11/00	H02M 1/36
(73) Siemens Aktiengesellschaft	(11) EP3131183	H02M 7/5387
(72) BÜTTNER, Klaus	(21) EP15180739.3	(11) EP3435534
KIRCHNER, Klaus	(47) 07.10.2020	(21) EP16895496.4
MÜLLER, Michael	(22) 12.08.2015	(47) 07.10.2020
(31) 102011078784	(54) AN ELECTRIC POWER GENERATOR	(87) JP2016081441
(32) 07.07.2011	(73) ABB Schweiz AG	28.09.2017
(33) Germany	(72) Westerlund, Jan	(22) 24.10.2016
(51) H02K 1/32	Jäppinen, Jari	(54) POWER CONVERSION DEVICE AND
H02K 5/20	Mantere, Juhani	METHOD FOR CONTROLLING SAME
H02K 9/197	(51) H02K 7/20	(73) Sumitomo Electric Industries, Ltd.
(11) EP3503356	H02M 7/00	(72) SHIMIZU, Yusuke
(21) EP18207736.2	(11) EP2744094	AKITA, Tetsuo
(47) 07.10.2020	(21) EP13191568.8	AYAI, Naoki
(22) 22.11.2018	(47) 07.10.2020	(31) 2016060067
(54) COOLANT DISTRIBUTOR FOR	(22) 05.11.2013	(32) 24.03.2016
A MACHINE ASSEMBLY AND	(54) POWER ELECTRONICS DEVICE	(33) Japan
CORRESPONDING MACHINE	(73) Vacon Oy	(51) H02M 1/00
ASSEMBLY	(72) Miettinen, Osmo	H02M 3/335
(73) AUDI AG	Jaskari, Jukka	H02M 1/38
Audi Hungaria ZRT	Strandberg, Stefan	H02J 50/10
(72) Cox, Jason	Björkgren, Trygve	H02J 50/60
Pohlmann, Axel	Sarén, Hannu	H02J 50/80
Zucknik, Stefan	Hortans, Magnus	H02J 50/90
Barany, Zsolt	(31) 20126218	(11) EP3285382
(31) 102017223490	(32) 20.11.2012	(21) EP16184211.7
(32) 21.12.2017	(33) Finland	(47) 07.10.2020
(33) Germany	(51) H02K 9/08	(22) 15.08.2016
(51) H02K 3/18	H02K 9/19	(54) DETECTION METHODS
H02K 3/24	(11) EP2645544	(73) Robert Bosch GmbH
H02K 9/02	(21) EP12161812.8	(72) Riedel, Jan
H02K 9/08	(47) 07.10.2020	Mohzani, Zaki
H02K 9/10	(22) 28.03.2012	Holmes, Grahame
(11) EP3402048	(54) Electric machine with efficient internal	Teixeira, Carlos
(21) EP18163253.0	cooling	(51) H02M 1/00
(47) 07.10.2020	(73) Siemens Aktiengesellschaft	H02M 7/12
(22) 22.03.2018	(72) Büttner, Klaus	H02M 1/32
(54) ELECTRICAL MACHINE AND METHOD	Kirchner, Klaus	H02M 7/48
FOR MANUFACTURING SUCH AN	Müller, Michael	H02M 7/483
ELECTRICAL MACHINE		(11) EP3148067

(21) EP15795713.5	DING, Xiao	H02P 21/08
(47) 07.10.2020	(31) 201610739433	(11) EP2498393
(87) JP2015064327	(32) 26.08.2016	(21) EP12158217.5
26.11.2015	(33) China	(47) 07.10.2020
(22) 19.05.2015	(51) H02M 7/00	(22) 06.03.2012
(54) DIRECT-CURRENT POWER	H02M 1/34	(54) Device and method of stopping induction
TRANSMISSION POWER	H02M 7/5387	motor
CONVERSION DEVICE AND DIRECT-	(11) EP3381113	(73) LSIS Co., Ltd.
CURRENT POWER TRANSMISSION	(21) EP16787443.7	(72) Kim, Kwang Yeon
POWER CONVERSION METHOD	(47) 07.10.2020	(31) 20110020662
(73) Mitsubishi Electric Corporation	(87) EP2016075789	(32) 08.03.2011
Toshiba Mitsubishi-Electric Industrial	01.06.2017	(33) Korea (Republic)
Systems Corporation	(22) 26.10.2016	(51) H02P 3/18
(72) FUJII Toshiyuki	(54) REGENERATIVE UNDELAND	H02P 27/06
MUKUNOKI Kaho	SNUBBER MODULE FOR INVERTER	(11) EP3229367
MORI Osamu	HALF-BRIDGES	(21) EP14905548.5
TAMAI Shinzo	(73) IFP Energies nouvelles	(47) 07.10.2020
FUNAHASHI Sadao	Mavel S.r.l.	(87) JP2014079519
HOSOKAWA Yasuhiko	(72) DIB, Wissam	12.05.2016
HIGASHI Kotaro	CHIONO, Denny	(22) 07.11.2014
(31) 2014104869	BETTONI, Davide	(54) POWER CONVERTER AND CONTROL
(32) 21.05.2014	(31) 1561212	METHOD OF POWER CONVERTER
(33) Japan	(32) 23.11.2015	(73) Hitachi Industrial Equipment Systems
(51) H02M 1/12	(33) France	Co., Ltd.
H02M 5/458	(51) H02M 7/00	(72) ARAO, Yusuke
G01R 31/64	H02M 7/219	(51) H02P 5/46
(11) EP3173802	H05K 7/20	H04L 12/10
(21) EP16200379.2	H02M 7/5387	H04L 12/40
(47) 07.10.2020	(11) EP3493387	H04L 12/46
(22) 24.11.2016	(21) EP18213722.4	(11) EP3491780
(54) FILTER CAPACITOR DEGRADATION	(47) 07.10.2020	(21) EP17739197.6
AND CALIBRATION	(22) 11.08.2008	(47) 07.10.2020
(73) Rockwell Automation Technologies, Inc.	(54) POWER INVERTER	(87) EP2017025187
(72) Bhandarkar, Santosh, M.	(73) Hitachi, Ltd.	01.02.2018
Benitez Escobar, Sinuhe, Imuris	(72) NISHIKIMI, Fusanori	(22) 29.06.2017
Prasad, Nikhil	NAKATSU, Kinya	(54) METHOD FOR REGULATING A
(31) 201514951531	(31) 2007208505	VOLTAGE LINK CIRCUIT, AND BUS
(32) 25.11.2015	(32) 09.08.2007	SYSTEM
(33) United States of America	(33) Japan	(73) SEW-EURODRIVE GmbH & Co. KG
(51) H02M 1/14	(51) H02M 7/00	(72) FUCHS, Manuel
H02M 3/155	H02M 7/487	(31) 102016008951
H02M 3/158	(11) EP2955836	(32) 26.07.2016
H02M 7/483	(21) EP14748673.2	(33) Germany
(11) EP3393030	(47) 07.10.2020	(51) H02P 6/22
(21) EP17842648.2	(87) JP2014000087	H02P 6/16
(47) 07.10.2020	14.08.2014	(11) EP2280478
(87) CN2017085264	(22) 10.01.2014	(21) EP10007606.6
01.03.2018	(54) SEMICONDUCTOR DEVICE	(47) 07.10.2020
(22) 22.05.2017	(73) Fuji Electric Co., Ltd.	(22) 22.07.2010
(54) DC-DC CONVERSION SYSTEM AND	(72) CHEN, Shuangching	(54) Electronically commuted motor
CONTROL METHOD THEREFOR	ICHIKAWA, Hiroaki	(73) ebm-papst St. Georgen GmbH & Co. KG
(73) GLOBAL ENERGY	(31) 2013021849	(72) Hirt, Markus
INTERCONNECTION RESEARCH	(32) 06.02.2013	(31) 102009034663
INSTITUTE CO., LTD.	(33) Japan	(32) 24.07.2009
State Grid Corporation of China	(51) H02M 7/797	(33) Germany
(72) TANG, Guangfu	(11) EP3021475	(51) H02P 7/285
HE, Zhiyuan	(21) EP14192950.5	H02P 21/14
WANG, Xinying	(47) 07.10.2020	H02P 29/66
WEI, Xiaoguang	(22) 13.11.2014	(11) EP2678939
PANG, Hui	(54) Bidirectional power converter assembly	(21) EP12750058.5
ZHANG, Sheng	with potential separation and method	(47) 07.10.2020
WANG, Chenghao	for operating the bidirectional power	(87) US2012025796
GAO, Yang	converter circuit	30.08.2012
KE, Jinkun	(73) AEG Power Solutions GmbH	(22) 20.02.2012
YANG, Bingjian	(72) Cao, Zhiyu	(54) METHOD AND SYSTEM FOR
ZHOU, Wandu	(51) H02P 3/18	CONTROLLING AN ELECTRICAL
ZHANG, Ning	H02P 21/00	MOTOR WITH TEMPERATURE
LIU, Yuan		COMPENSATION

(73) Deere & Company	H02S 30/00	(73) EM Microelectronic-Marin SA
(72) WU, Long	H02S 40/00	(72) Cao-Thong, Tu
SHAW, Robert	F24S 25/16	Dellea, Mario
(31) 201161445650 P	F24S 25/632	(51) H03B 5/12
201113169407	(11) EP3266102	(11) EP3523877
(32) 23.02.2011	(21) EP16759250.0	(21) EP16778804.1
27.06.2011	(47) 07.10.2020	(47) 07.10.2020
(33) United States of America	(87) US2016017409	(87) EP2016074015
United States of America	09.09.2016	12.04.2018
(51) H02P 27/06	(22) 10.02.2016	(22) 07.10.2016
(11) EP3358743	(54) PHOTOVOLTAIC MODULE MOUNTING	(54) SWITCHED CAPACITOR
(21) EP16850826.5	ASSEMBLY	ARRANGEMENT FOR TUNING A
(47) 07.10.2020	(73) SunPower Corporation	DIFFERENTIAL CIRCUIT
(87) JP2016071164	(72) WARES, Brian S.	(73) Telefonaktiebolaget LM Ericsson (publ)
06.04.2017	RIPOLL AGULLO, Vicent	(72) SJÖLAND, Henrik
(22) 19.07.2016	GRUSHKOWITZ, Tyler	SANDSTRÖM, Torbjörn
(54) POWER CONVERSION DEVICE AND	(31) 201562127230 P	(51) H03F 1/22
AUTO-TUNING METHOD THEREFOR	201514923373	H03F 1/32
(73) Hitachi Industrial Equipment Systems	(32) 02.03.2015	H03F 3/08
Co., Ltd.	26.10.2015	H03F 3/345
(72) TOBARI Kazuaki	(33) United States of America	H03F 3/50
IBORI Satoshi	United States of America	(11) EP3350920
TOMITA Hiroyuki	(51) H02S 20/23	(21) EP16763849.3
NAKAMURA Atsuhiko	(11) EP3549255	(47) 07.10.2020
ONUMA Yusaku	(21) EP17804240.4	(87) EP2016071529
SUGIMOTO Takuya	(47) 07.10.2020	23.03.2017
IWAJI Yoshitaka	(87) FR2017053031	(22) 13.09.2016
KAMIYA Akinori	07.06.2018	(54) A TRANSCONDUCTANCE CURRENT
(31) 2015194622	(22) 07.11.2017	SOURCE
(32) 30.09.2015	(54) TOOLING PIECE FOR SOLAR PANELS	(73) Firecomms Limited
(33) Japan	FASTENED ON PROFILE RAILS	(72) MURPHY, Patrick
(51) H02P 27/08	(73) IRFTS	DONOVAN, Colm
H02P 6/20	(72) REUZEAU, Franck	CAHILL, Ciaran
H02P 21/16	(31) 1661885	(31) 15185219
H02P 21/36	(32) 02.12.2016	(32) 15.09.2015
(11) EP2681099	(33) France	(33) European Patent Office (EPO)
(21) EP12752392.6	(51) H02S 20/32	(51) H03F 1/26
(47) 07.10.2020	(11) EP3565110	H03F 1/34
(87) US2012022824	(21) EP18382311.1	H03F 1/56
07.09.2012	(47) 07.10.2020	H03F 3/193
(22) 27.01.2012	(22) 04.05.2018	(11) EP3501101
(54) METHOD FOR CALIBRATING AN	(54) SYSTEM AND METHOD FOR	(21) EP17757842.4
ELECTRICAL CONTROL SYSTEM	CONTROLLING A SOLAR	(47) 07.10.2020
(73) Deere & Company	PHOTOVOLTAIC INSTALLATION	(87) GB2017052439
(72) WU, Long	(73) Soltec Energías Renovables, SL	22.02.2018
SHAW, Robert	(72) LOZANO GARCÍA, David	(22) 17.08.2017
TREMEL, Chris, J.	MARÍN HERNÁNDEZ, Miguel Ángel	(54) LOW NOISE AMPLIFIER WITH
WANNER, Kent, D.	TERUEL HERNÁNDEZ, Jose Alfonso	REACTIVE FEEDBACK
(31) 201113036966	(51) H02S 50/15	(73) Novelda AS
(32) 28.02.2011	(11) EP3447908	(72) BAGGA, Sumit
(33) United States of America	(21) EP18188784.5	GRANHAUG, Kristian
(51) H02P 29/60	(47) 07.10.2020	(31) 201614239
(11) EP3361627	(22) 13.08.2018	(32) 19.08.2016
(21) EP18156502.9	(54) METHOD FOR QUANTITATIVE	(33) United Kingdom
(47) 07.10.2020	ANALYSIS OF A PLANT COMPRISING	(51) H03F 3/387
(22) 13.02.2018	A LIGHT-EMITTING MODULE	H03F 3/45
(54) ALTERNATOR STARTER, MOTOR	(73) Electricité de France	(11) EP2843833
VEHICLE AND ASSOCIATED	(72) EL HAJJE, Gilbert	(21) EP14164826.1
CONTROL METHOD	DUPUIS, Julien	(47) 07.10.2020
(73) VALEO EQUIPEMENTS ELECTRIQUES	(31) 1757876	(22) 16.04.2014
MOTEUR	(32) 25.08.2017	(54) Reconfigurable measuring apparatus and
(72) CANITROT, Didier	(33) France	method for controlling apparatus
GUILLERM, Baptiste	(51) H03B 5/12	(73) Samsung Electronics Co., Ltd
REBELO, Mario	(11) EP3373449	(72) Kim, Jong Pal
(31) 1751178	(21) EP17160336.8	(31) 20130102309
(32) 14.02.2017	(47) 07.10.2020	(32) 28.08.2013
(33) France	(22) 10.03.2017	(33) Korea (Republic)
(51) H02S 20/00	(54) AN ELECTRONIC OSCILLATOR	

(51) H03G 3/30	H03K 17/687	(33) Japan
H03G 7/00	H03K 19/0175	(51) H03M 13/03
(11) EP3190700	(11) EP3100269	H03M 13/13
(21) EP16184883.3	(21) EP14881198.7	(11) EP3529901
(47) 07.10.2020	(47) 07.10.2020	(21) EP16822467.3
(22) 19.08.2016	(87) US2014013358	(47) 07.10.2020
(54) METHOD AND DEVICE FOR	06.08.2015	(87) EP2016082555
PROCESSING AUDIO SIGNALS	(22) 28.01.2014	28.06.2018
(73) Ford Global Technologies, LLC	(54) BIPOLAR GATE DRIVER	(22) 23.12.2016
(72) Jacobs, Björn	(73) Schneider Electric IT Corporation	(54) APPARATUS AND METHOD FOR
Bellof, Marco	(72) DIGHRASKER, Milind	GENERATING POLAR CODES
(31) 102015217565	LIPARE, Mahendrakumar, Haribhau	(73) Huawei Technologies Co., Ltd.
(32) 15.09.2015	GHOSH, Rajesh	(72) GABRY, Frederic
(33) Germany		BIOGLIO, Valerio
(51) H03H 9/02	(51) H03K 19/0175	BELFIORE, Jean-Claude
H03H 9/17	(11) EP3342044	LAND, Ingmar
(11) EP2642662	(21) EP16753774.5	(51) H03M 13/09
(21) EP13159872.4	(47) 07.10.2020	H03M 13/13
(47) 07.10.2020	(87) US2016045641	H04L 1/00
(22) 19.03.2013	02.03.2017	(11) EP3566344
(54) HBAR resonator comprising a structure	(22) 04.08.2016	(21) EP17833003.1
for amplifying the amplitude of at least	(54) A TRANSMITTER CIRCUIT FOR	(47) 07.10.2020
one resonance of said resonator and	AND METHODS OF GENERATING	(87) IB2017058405
methods for producing said resonator	A MODULATED SIGNAL IN A	12.07.2018
(73) COMMISSARIAT A L'ENERGIE	TRANSMITTER	(22) 26.12.2017
ATOMIQUE ET AUX ENERGIES	(73) Xilinx, Inc.	(54) CODING TECHNIQUE FOR MULTI-
ALTERNATIVES	(72) KIREEV, Vassili	STAGE CONTROL INFORMATION
Centre National de la Recherche	(31) 201514834276	(73) Telefonaktiebolaget LM Ericsson (PUBL)
Scientifique	(32) 24.08.2015	(72) HUI, Dennis
(72) Reinhardt, Alexandre	(33) United States of America	BLANKENSHIP, Yufei
Ballandras, Sylvain	(51) H03L 7/08	(31) 201762444364 P
Perruchot, François	H03L 7/099	(32) 09.01.2017
(31) 1252462	H03L 7/14	(33) United States of America
(32) 20.03.2012	H03L 7/23	(51) H03M 13/11
(33) France	H04B 5/00	H03M 13/27
(51) H03H 17/02	H04W 4/00	(11) EP1597828
H04L 25/03	H04W 4/80	(21) EP04715077.6
H04L 27/26	(11) EP3276986	(47) 07.10.2020
(11) EP3105896	(21) EP17156586.4	(87) US2004005783
(21) EP15764238.0	(47) 07.10.2020	10.09.2004
(47) 07.10.2020	(22) 17.02.2017	(22) 26.02.2004
(87) CN2015073876	(54) METHOD OF CONTACTLESS	(54) METHOD AND APPARATUS FOR
24.09.2015	COMMUNICATION BETWEEN AN	PERFORMING LOW-DENSITY PARITY-
(22) 09.03.2015	OBJET, FOR EXAMPLE A CARD	CHECK (LDPC) CODE OPERATIONS
(54) SYSTEM AND METHOD FOR FILTER	EMULATED MOBILE PHONE, AND	USING A MULTI-LEVEL PERMUTATION
DESIGN AND USAGE THEREOF	A READER BY ACTIVE LOAD	(73) QUALCOMM Incorporated
(73) Huawei Technologies Co., Ltd.	MODULATION	(72) RICHARDSON, Tom
(72) ABDOLI, Javad	(73) STMICROELECTRONICS SA	(31) 450245 P
JIA, Ming	(72) DEDIEU, Sébastien	(32) 26.02.2003
MA, Jianglei	HOUEBINE, Marc	(33) United States of America
(31) 201414222280	(31) 1657226	(51) H03M 13/29
(32) 21.03.2014	(32) 27.07.2016	H04L 1/00
(33) United States of America	(33) France	(11) EP2398150
(51) H03K 5/1252	(51) H03M 7/30	(21) EP11000798.6
H03K 5/24	G10L 19/02	(47) 07.10.2020
(11) EP3138218	G10L 19/06	(22) 01.02.2011
(21) EP14890582.1	G10L 19/22	(54) Method and device for transmitting a data
(47) 07.10.2020	(11) EP3614382	flow using blocks, each with a different
(87) CN2014076596	(21) EP19201443.9	number of symbols
05.11.2015	(47) 07.10.2020	(73) Rohde & Schwarz GmbH & Co. KG
(22) 30.04.2014	(22) 15.05.2015	(72) Schäfer, Andrew
(54) APPARATUS AND METHOD FOR	(54) CODING OF A SOUND SIGNAL	Volyanskiy, Mikhail
FILTERING NOISES IN SIGNAL	(73) NIPPON TELEGRAPH AND	Detert, Thorben
(73) ABB Schweiz AG	TELEPHONE CORPORATION	(31) 102010024043
(72) LIU, Wei	(72) MORIYA, Takehiro	102010033067
HE, Liang	KAMAMOTO, Yutaka	(32) 16.06.2010
LOHBECK, Axel	HARADA, Noboru	02.08.2010
(51) H03K 17/06	(31) 2014152958	(33) Germany
	(32) 28.07.2014	

Germany	(21) EP15714263.9	(54) CHANNEL STATE INFORMATION
(51) H04B 1/00	(47) 07.10.2020	TRANSMITTING METHOD AND USER
H04B 1/403	(87) GB2015050907	EQUIPMENT
(11) EP3482501	08.10.2015	(73) LG ELECTRONICS INC.
(21) EP17758681.5	(22) 26.03.2015	(72) PARK, Hanjun
(47) 07.10.2020	(54) ACCESS POINT GROUPING BASED	LEE, Seungmin
(87) US2017046622	ON PERFORMANCE AND LOCATION	KIM, Hyungtae
22.02.2018	(73) British Telecommunications public limited	SEO, Hanbyul
(22) 11.08.2017	company	(31) 201161502824 P
(54) RECONFIGURATION OF SINGLE-BAND	(72) TOWNEND, David	201161526671 P
TRANSMIT AND RECEIVE PATHS	SCAHILL, Francis	(32) 29.06.2011
TO MULTI-BAND TRANSMIT AND	RINGLAND, Simon	23.08.2011
RECEIVE PATHS IN AN INTEGRATED	(31) 14250060	(33) United States of America
CIRCUIT	14250061	United States of America
(73) Xilinx, Inc.	14175108	<hr/>
(72) FARLEY, Brendan	(32) 31.03.2014	(51) H04B 7/06
MCGRATH, John, E.	31.03.2014	H04B 7/04
(31) 201615238537	30.06.2014	(11) EP2484025
(32) 16.08.2016	(33) European Patent Office (EPO)	(21) EP10820780.4
(33) United States of America	European Patent Office (EPO)	(47) 07.10.2020
<hr/>	European Patent Office (EPO)	(87) KR2010005825
(51) H04B 1/7143	<hr/>	07.04.2011
(11) EP3507914	(51) H04B 5/00	(22) 30.08.2010
(21) EP17772108.1	H02J 7/02	(54) METHODS IN A MULTIPLE-INPUT
(47) 07.10.2020	H02J 50/00	MULTIPLE-OUTPUT COMMUNICATION
(87) IB2017055251	H02J 50/20	SYSTEM USING EXPLICIT FEEDBACK
08.03.2018	H02J 50/40	(73) Samsung Electronics Co., Ltd.
(22) 31.08.2017	(11) EP3183797	(72) BRUNO, Clerckx
(54) METHODS FOR SIGNALING OR	(21) EP15833852.5	PARK, Sae Hyung
RECEIVING CELL IDENTITY,	(47) 07.10.2020	CHOI, Junil
NETWORK IDENTITY, AND	(87) US2015045969	MAZZARESE, David
FREQUENCY HOPPING PATTERNS	25.02.2016	(31) 20090094003
(73) Telefonaktiebolaget LM Ericsson (publ)	(22) 19.08.2015	(32) 01.10.2009
(72) WANG, Yi-Pin Eric	(54) WIRELESS POWER TRANSFER	(33) Korea (Republic)
CAPAR, Gagatay	(73) California Institute of Technology	<hr/>
CHENG, Jung-Fu	(72) BOHN, Florian	(51) H04B 7/06
KOORAPATY, Havish	ABIRI, Behrooz	H04B 7/04
LIN, Xingqin	HAJIMIRI, Seyed Ali	H04B 7/0452
MUKHERJEE, Amitav	(31) 201462039321 P	H04B 7/0456
(31) 201662382459 P	(32) 19.08.2014	(11) EP3497808
(32) 01.09.2016	(33) United States of America	(21) EP17765259.1
(33) United States of America	<hr/>	(47) 07.10.2020
<hr/>	(51) H04B 5/00	(87) IB2017054911
(51) H04B 3/54	H04W 88/04	15.02.2018
H04B 7/26	H04W 88/06	(22) 11.08.2017
H04J 3/06	H04W 4/80	(54) MULTI-BEAM CODEBOOKS WITH
(11) EP3563488	H04W 76/14	FURTHER OPTIMIZED OVERHEAD
(21) EP17735639.1	(11) EP2541800	(73) Telefonaktiebolaget LM Ericsson (publ)
(47) 07.10.2020	(21) EP11747585.5	(72) FAXÉR, Sebastian
(87) IB2017053644	(47) 07.10.2020	GAO, Shiwei
05.07.2018	(87) KR2011000270	GRANT, Stephen
(22) 20.06.2017	01.09.2011	HARRISON, Robert Mark
(54) SYSTEM, METHOD AND ARTICLE FOR	(22) 14.01.2011	MURUGANATHAN, Siva
ADAPTIVE FRAMING FOR TDMA MAC	(54) CONNECTION ESTABLISHMENT	(31) 201662374564 P
PROTOCOLS	BETWEEN TWO DEVICES VIA A	(32) 12.08.2016
(73) STMicroelectronics S.r.l.	RELAYING DEVICE USING NFC	(33) United States of America
(72) CASONE, Luca	(73) LG Electronics Inc.	<hr/>
BLASI, Danilo	(72) CHO, Jihoon	(51) H04B 7/06
PIGLIONE, Andrea	SON, Juhjung	H04B 7/08
SACCANI, Emile	(31) 308309 P	H04W 36/00
(31) 201615394277	(32) 26.02.2010	H04W 4/02
(32) 29.12.2016	(33) United States of America	(11) EP3422594
(33) United States of America	<hr/>	(21) EP17188679.9
<hr/>	(51) H04B 7/06	(47) 07.10.2020
(51) H04B 3/54	H04B 7/024	(22) 31.08.2017
H04L 12/24	(11) EP2728767	(54) BEAM SWEEP OR SCAN IN A
H04L 12/26	(21) EP12804153.0	WIRELESS COMMUNICATION SYSTEM
H04W 24/04	(47) 07.10.2020	(73) Telefonaktiebolaget LM Ericsson (publ)
H04W 24/08	(87) KR2012005101	(72) Rune, Johan
H04W 84/12	03.01.2013	da Silva, Icaro L. J.
(11) EP3127362	(22) 28.06.2012	Reial, Andres

Sahlin, Henrik	(11) EP3073662	GUNNARSSON, Fredrik
(31) 201715635490	(21) EP13897692.3	(51) H04B 7/185
(32) 28.06.2017	(47) 07.10.2020	(11) EP3304768
(33) United States of America	(87) CN2013087728	(21) EP16732368.2
(51) H04B 7/06	28.05.2015	(47) 07.10.2020
H04B 7/08	(22) 22.11.2013	(87) US2016034144
H04W 52/14	(54) FEEDBACK METHOD AND	08.12.2016
H04W 52/32	APPARATUS OF CHANNEL STATE	(22) 25.05.2016
H04W 52/48	INFORMATION	(54) SYNCHRONIZATION TIMING IN A
H04W 52/50	(73) Huawei Technologies Co., Ltd.	SPLIT LOCATION HUB
H04W 74/00	(72) LIU, Jianqin	(73) Hughes Network Systems, LLC
H04W 74/08	LIU, Jianghua	(72) SUBRAMANIAM, Bala
(11) EP3422791	(51) H04B 7/06	BUTEHORN, Matt
(21) EP17767008.0	H04L 5/00	(31) 201562168865 P
(47) 07.10.2020	H04B 17/24	(32) 31.05.2015
(87) KR2017002863	H04B 7/024	(33) United States of America
21.09.2017	(11) EP3420653	(51) H04B 7/185
(22) 16.03.2017	(21) EP17756813.6	(11) EP3414849
(54) METHOD AND APPARATUS FOR	(47) 07.10.2020	(21) EP17709359.8
TRANSMITTING AND RECEIVING	(87) KR2017001981	(47) 07.10.2020
WIRELESS SIGNAL IN WIRELESS	31.08.2017	(87) EP2017053172
COMMUNICATION SYSTEM	(22) 23.02.2017	17.08.2017
(73) LG Electronics Inc.	(54) METHODS AND APPARATUSES FOR	(22) 13.02.2017
(72) YANG, Suckchel	MEASUREMENT REFERENCE SIGNAL	(54) AERIAL VEHICLE MANAGEMENT
KANG, Jiwon	IN WIRELESS COMMUNICATION	FOR AN AERONAUTICAL
KO, Hyunsoo	SYSTEM	COMMUNICATIONS NETWORK
KIM, Kijun	(73) Samsung Electronics Co., Ltd.	(73) Aeronet Global Communications Labs
KIM, Eunsun	(72) ONGGOSANUSI, Eko	Dac
AHN, Joonkui	NOH, Hoondong	(72) RUSSELL, Brian
HWANG, Daesung	(31) 201662298643 P	FARRELL, Ronan
(31) 201662308927 P	201662303779 P	(31) 201662294549 P
201662334432 P	201662349361 P	16156610
(32) 16.03.2016	201662358225 P	(32) 12.02.2016
10.05.2016	201662417616 P	19.02.2016
(33) United States of America	201762445993 P	(33) United States of America
United States of America	201715437413	European Patent Office (EPO)
(51) H04B 7/06	(32) 23.02.2016	(51) H04B 7/185
H04B 7/26	04.03.2016	(11) EP3493428
H04L 1/00	13.06.2016	(21) EP18209072.0
(11) EP3252967	05.07.2016	(47) 07.10.2020
(21) EP16742658.4	04.11.2016	(22) 29.11.2018
(47) 07.10.2020	13.01.2017	(54) AUTOMATIC SATELLITE TELEMETRY,
(87) CN2016070780	20.02.2017	TRACKING AND COMMAND SYSTEM
04.08.2016	(33) United States of America	(73) Telespazio S.p.A.
(22) 13.01.2016	United States of America	(72) FORTEZZA, Raimondo
(54) PROCESSING METHOD AND DEVICE	United States of America	(31) 201700138364
FOR SENDING AND RECEIVING PILOT	United States of America	(32) 30.11.2017
SIGNAL	United States of America	(33) Italy
(73) China Academy of Telecommunications	United States of America	(51) H04B 7/185
Technology	United States of America	H04L 9/08
(72) SU, Xin	(51) H04B 7/06	H04L 29/06
(31) 201510047852	H04W 64/00	H04W 12/00
(32) 29.01.2015	G01S 5/02	H04W 12/04
(33) China	H04B 7/0456	(11) EP2979421
(51) H04B 7/06	(11) EP3491866	(21) EP14713482.9
H04L 1/00	(21) EP16911748.8	(47) 07.10.2020
H04W 36/00	(47) 07.10.2020	(87) EP2014056354
(11) EP3487086	(87) SE2016050736	02.10.2014
(21) EP18188607.8	08.02.2018	(22) 28.03.2014
(47) 07.10.2020	(22) 01.08.2016	(54) KEY DISTRIBUTION IN A SATELLITE
(22) 13.01.2009	(54) COMMUNICATION NODES	SYSTEM
(54) SENDING AND ACQUIRING ANTENNA	AND METHODS THEREIN FOR	(73) Airbus Defence and Space Limited
CONFIGURATION INFORMATION	POSITIONING IN A WIRELESS	(72) CLARKE, Steve
(73) Huawei Technologies Co., Ltd.	COMMUNICATIONS NETWORK	MCCOY, Thomas
(72) SONG, Weiwei	(73) Telefonaktiebolaget LM Ericsson (PUBL)	(31) 13275084
YU, Yinghui	(72) WANG, Meng	(32) 28.03.2013
(51) H04B 7/06	WIGREN, Torbjörn	(33) European Patent Office (EPO)
H04L 1/06	RYDÉN, Henrik	

(51) H04B 7/26	(11) EP3491753	LE ROUZIC, Esther
H04W 4/00	(21) EP17848030.7	(31) 1661501
(11) EP3063881	(47) 07.10.2020	(32) 25.11.2016
(21) EP14858111.9	(87) CN2017097120	(33) France
(47) 07.10.2020	15.03.2018	<hr/>
(87) US2014063742	(22) 11.08.2017	(51) H04J 14/02
07.05.2015	(54) SYSTEM AND METHODS FOR	H04J 14/04
(22) 03.11.2014	NETWORK SYNCHRONIZATION	H04B 10/2507
(54) METHODS AND APPARATUS	(73) Huawei Technologies Co., Ltd.	H04B 10/2581
FOR ENHANCED COVERAGE	(72) MAYER, Michael	(11) EP3358767
TRANSMISSION FOR LTE ADVANCED	MEHRVAR, Hamid	(21) EP16858813.5
(73) Samsung Electronics Co., Ltd.	(31) 201615261401	(47) 07.10.2020
(72) NG, Boon Loong	201715607031	(87) CN2016095682
VAN LIESHOUT, Gerardus Johannes	(32) 09.09.2016	04.05.2017
Petrus	26.05.2017	(22) 17.08.2016
VAN DER VELDE, Himke	(33) United States of America	(54) DEVICE AND METHOD FOR
LI, Ying	United States of America	PROCESSING LIGHT SIGNAL
JEONG, Kyeongin	<hr/>	(73) Huawei Technologies Co., Ltd.
PAPASAKELLARIOU, Aris	(51) H04J 13/18	(72) Ji, Ruiqiang
(31) 201361899025 P	H04J 11/00	FU, Shengmeng
201361904251 P	H04L 5/00	SONG, Xiaolu
201361910014 P	H04L 25/02	CHEN, Wei
201461946251 P	H04L 27/26	(31) 201510724181
(32) 01.11.2013	(11) EP3429119	(32) 29.10.2015
14.11.2013	(21) EP18190794.0	(33) China
27.11.2013	(47) 07.10.2020	<hr/>
28.02.2014	(22) 11.08.2004	(51) H04L 1/00
(33) United States of America	(54) RADIO COMMUNICATION APPARATUS	(11) EP3611855
United States of America	AND PILOT SYMBOL TRANSMISSION	(21) EP18189316.5
United States of America	METHOD	(47) 07.10.2020
United States of America	(73) Godo Kaisha IP Bridge 1	(22) 16.08.2018
<hr/>	(72) NISHIO, Akihiko	(54) FALSE POSITIVE DETECTION IN
(51) H04B 7/26	MATSUMOTO, Atsushi	NB-IOT DOWNLINK CONTROL
H04W 52/02	(31) 2003292667	CHANNEL BASED ON EFFECTIVE AND
(11) EP2668810	2004162388	SCHEDULED CODE RATE
(21) EP11856941.7	(32) 12.08.2003	(73) Shenzhen Goodix Technology Co., Ltd.
(47) 07.10.2020	31.05.2004	(72) Fließ, Thomas
(87) KR2011006188	(33) Japan	Venkatesan, Chethan
02.08.2012	Japan	<hr/>
(22) 22.08.2011	(51) H04J 14/02	(51) H04L 1/00
(54) TRANSMISSION APPARATUS,	H04B 10/118	H04L 1/08
RECEPTION APPARATUS, AND	(11) EP3276855	H04L 1/18
COMMUNICATION METHOD	(21) EP17179803.6	H04L 5/00
(73) Samsung Electronics Co., Ltd.	(47) 07.10.2020	H04W 72/04
(72) KWON, Ui Kun	(22) 05.07.2017	(11) EP3097652
KIM, Young Soo	(54) TRANSMITTER AND RECEIVER	(21) EP15703182.4
(31) 20110007354	DEVICES FOR DIGITAL DATA	(47) 07.10.2020
(32) 25.01.2011	TRANSMISSION OVER SATELLITE	(87) US2015012480
(33) Korea (Republic)	OPTICAL FEEDER LINK	30.07.2015
<hr/>	(73) Deutsches Zentrum für Luft- und	(22) 22.01.2015
(51) H04B 10/116	Raumfahrt e.V.	(54) COVERAGE ENHANCEMENTS WITH
(11) EP3190725	(72) Dimitrov, Dr. Svilen	CARRIER AGGREGATION
(21) EP15838780.3	(31) 102016213764	(73) QUALCOMM Incorporated
(47) 07.10.2020	(32) 27.07.2016	(72) XU, Hao
(87) CN2015086831	(33) Germany	CHEN, Wanshi
10.03.2016	<hr/>	GAAL, Peter
(22) 13.08.2015	(51) H04J 14/02	(31) 201461930938 P
(54) METHOD FOR OPTICAL DRIVING	H04B 10/27	201514601465
CHIP TO CONTROL LIGHT-EMITTING	(11) EP3545631	(32) 23.01.2014
DEVICE, AND OPTICAL DRIVING CHIP	(21) EP17816921.5	21.01.2015
THEREFOR	(47) 07.10.2020	(33) United States of America
(73) Kuang-Chi Intelligent Photonic	(87) FR2017053238	United States of America
Technology Ltd.	31.05.2018	<hr/>
(72) LIU, Ruopeng	(22) 23.11.2017	(51) H04L 1/00
WANG, Xudong	(54) DETERMINATION OF REGENERATIVE	H04L 1/16
XU, Weicheng	RELAY NODES INCLUDED IN A	H04L 1/18
(31) 201410453263	TRANSMISSION LINE OF AN OPTICAL	(11) EP2859678
(32) 05.09.2014	NETWORK	(21) EP12730056.4
(33) China	(73) ORANGE	(47) 07.10.2020
<hr/>	(72) KANJ, Matthieu	(87) SE2012050618
(51) H04J 3/06		12.12.2013
		(22) 08.06.2012

(54) METHODS AND ARRANGEMENTS FOR SUPPORTING RETRANSMISSION	828058 P	20170101401
(73) Telefonaktiebolaget LM Ericsson (publ)	863610 P	20170137758
(72) ERIKSSON, Erik	841609	20180001365
(32) HESSLER, Martin	(32) 21.08.2006	(32) 06.01.2017
(51) H04L 1/00	03.10.2006	06.02.2017
H04L 1/16	31.10.2006	13.02.2017
H04L 12/18	(33) United States of America	14.06.2017
(11) EP2876832	United States of America	10.08.2017
(21) EP14193411.7	United States of America	23.10.2017
(47) 07.10.2020	United States of America	04.01.2018
(22) 17.11.2014	(33) Korea (Republic)	(33) Korea (Republic)
(54) Communication method and apparatus	(51) H04L 1/00	Korea (Republic)
(73) Samsung Electronics Co., Ltd	H04L 5/00	Korea (Republic)
(72) Kim, Jae Hoon	H04L 25/03	Korea (Republic)
Kim, Kwang Taik	H04W 56/00	Korea (Republic)
Byun, Do Jun	H04W 74/00	Korea (Republic)
Jang, Kyung Hun	H04W 74/08	Korea (Republic)
Jang, Myeong Wuk	H04W 88/02	(51) H04L 1/00
Han, Kwang Hoon	(11) EP3253171	H04W 28/20
(31) 20130140580	(21) EP17177228.8	H04W 28/22
(32) 19.11.2013	(47) 07.10.2020	H04W 52/02
(33) Korea (Republic)	(22) 21.08.2007	(11) EP2315472
(51) H04L 1/00	(54) METHODS AND APPARATUSES FOR RANDOM ACCESS IN AN ORTHOGONAL MULTIPLE-ACCESS COMMUNICATION SYSTEM	(21) EP10809872.4
H04L 5/00	(73) QUALCOMM Incorporated	(47) 07.10.2020
H04L 25/02	(72) MALLADI, Durga Prasad	(87) JP2010063510
H04L 25/03	DAMNJANOVIC, Aleksandar	24.02.2011
H04W 8/24	MONTOJO, Juan	(22) 09.08.2010
H04W 72/04	(31) 839220 P	(54) TRANSMITTER APPARATUS, RECEIVER APPARATUS, RADIO APPARATUS, AND METHOD FOR CONTROLLING TRANSMISSION MODES IN TRANSMITTER APPARATUS
H04B 7/04	828058 P	(73) Sony Corporation
(11) EP2667648	863610 P	(72) NAKAJIMA, Yasuhisa
(21) EP11856329.5	841609	(31) 2009189560
(47) 07.10.2020	(32) 21.08.2006	(32) 18.08.2009
(87) CN2011083132	03.10.2006	(33) Japan
26.07.2012	31.10.2006	(51) H04L 1/00
(22) 29.11.2011	20.08.2007	H04L 5/00
(54) METHOD AND DEVICE FOR NOTIFICATION OF SCRAMBLING CODE IDENTIFIER SIGNALING SET	(33) United States of America	H04W 72/02
(73) ZTE Corporation	United States of America	H04W 72/04
(72) GUO, Senbao	United States of America	(11) EP3200528
SUN, Yunfeng	United States of America	(21) EP15843120.5
ZHANG, Chenchen	(51) H04L 1/00	(47) 07.10.2020
REN, Min	H04L 5/00	(87) CN2015084953
GOU, Wei	H04W 72/12	31.03.2016
(31) 201110022108	H04W 76/20	(22) 23.07.2015
(32) 19.01.2011	(11) EP3461221	(54) DEVICE-TO-DEVICE COMMUNICATION METHODS AND APPARATUSES
(33) China	(21) EP18736719.8	(73) ZTE Corporation
(51) H04L 1/00	(47) 07.10.2020	(72) WU, Shuanshuan
H04L 5/00	(87) KR2018000219	LI, Yu Ngok
H04L 25/03	12.07.2018	YUAN, Yifei
H04W 56/00	(22) 05.01.2018	YANG, Jin
H04W 74/00	(54) METHOD FOR TRANSMITTING OR RECEIVING CONTROL CHANNEL IN COMMUNICATION SYSTEM	DAI, Bo
H04W 74/08	(73) Electronics and Telecommunications Research Institute	(31) 201410499885
H04W 88/02	(72) MOON, Sung Hyun	(32) 25.09.2014
(11) EP3253170	LEE, Jun Hwan	(33) China
(21) EP17177224.7	LEE, Jung Hoon	(51) H04L 1/18
(47) 07.10.2020	KIM, Ji Hyung	(11) EP2104261
(22) 21.08.2007	PARK, Ju Ho	(21) EP08004953.9
(54) METHOD AND APPARATUSES FOR RANDOM ACCESS IN AN ORTHOGONAL MULTIPLE-ACCESS COMMUNICATION SYSTEM	KIM, Cheul Soon	(47) 07.10.2020
(73) QUALCOMM Incorporated	KIM, Min Hyun	(22) 17.03.2008
(72) MALLADI, Durga Prasad	(31) 20170002557	(54) Improved HARQ process management
DAMNJANOVIC, Aleksandar	20170016430	(73) III Holdings 11, LLC
MONTOJO, Juan	20170019629	(72) Feuersänger, Martin
(31) 839220 P	20170075102	Löhr, Joachim

Wengerter, Christian	(73) LG Electronics Inc.	(22) 14.08.2015
(51) H04L 1/18	(72) LEE, Seungmin	(54) METHOD, APPARATUS AND
(11) EP3288207	AHN, Joonkui	COMPUTER PROGRAM PRODUCT
(21) EP17186909.2	YI, Yunjung	FOR ENHANCED CONTROL CHANNEL
(47) 07.10.2020	SEO, Inkwon	USAGE IN CARRIER AGGREGATION
(22) 18.08.2017	(31) 201461952104 P	(73) Nokia Solutions and Networks Oy
(54) COMMUNICATION DEVICE AND BASE	(32) 12.03.2014	(72) Chmiel, Mieszko
STATION	(33) United States of America	Goedecke, Simon
(73) HTC Corporation	(51) H04L 1/18	Huppert, Carolin
(72) MENG, Ling-San	H04L 5/00	(51) H04L 5/00
(31) 201662376926 P	H04W 16/32	(11) EP3545716
(32) 19.08.2016	H04W 24/04	(21) EP17825838.0
(33) United States of America	H04W 72/04	(47) 07.10.2020
(51) H04L 1/18	H04W 80/02	(87) EP2017083899
H04L 5/00	H04W 92/20	12.07.2018
H04L 5/14	(11) EP2897403	(22) 20.12.2017
(11) EP3497849	(21) EP13836266.0	(54) WIRELESS TELECOMMUNICATIONS
(21) EP17767927.1	(47) 07.10.2020	APPARATUSES AND METHODS
(47) 07.10.2020	(87) JP2013072050	(73) Sony Corporation
(87) IB2017054894	20.03.2014	(72) BEALE, Martin Warwick
15.02.2018	(22) 19.08.2013	WONG, Shin Horng
(22) 10.08.2017	(54) MOBILE COMMUNICATION SYSTEM,	MARTIN, Brian Alexander
(54) DL HARQ TIMING IN TDD WITH 1 MS	RADIO BASE STATION AND MOBILE	SHARMA, Vivek
TTI AND REDUCED PROCESSING	STATION	WAKABAYASHI, Hideji
TIME	(73) NTT DOCOMO, INC.	TSUDA, Shinichiro
(73) Telefonaktiebolaget LM Ericsson (publ)	(72) UCHINO, Tooru	(31) 17150567
(72) LI, Jingya	TAKAHASHI, Hideaki	(32) 06.01.2017
FALCONETTI, Laetitia	HAPSARI, Wuri Andarmawanti	(33) European Patent Office (EPO)
LARSSON, Daniel	(31) 2012201344	(51) H04L 5/00
(31) 201662374435 P	(32) 13.09.2012	H04L 25/02
(32) 12.08.2016	(33) Japan	(11) EP3408964
(33) United States of America	(51) H04L 1/18	(21) EP17703556.5
(51) H04L 1/18	H04L 5/00	(47) 07.10.2020
H04L 5/00	H04W 72/04	(87) US2017014439
H04L 5/14	(11) EP3030024	03.08.2017
(11) EP3497850	(21) EP13891017.9	(22) 20.01.2017
(21) EP17768232.5	(47) 07.10.2020	(54) DOWNLINK COMMON BURST
(47) 07.10.2020	(87) CN2013081099	CHANNELIZATION
(87) IB2017054891	12.02.2015	(73) QUALCOMM Incorporated
15.02.2018	(22) 08.08.2013	(72) JI, Tingfang
(22) 10.08.2017	(54) RESOURCE ALLOCATION METHOD	SMEE, John Edward
(54) DL HARQ TIMING WITH SHORT TTI	AND DEVICE	SORIAGA, Joseph Binamira
OPERATIONS IN TDD	(73) Huawei Technologies Co., Ltd.	ZENG, Wei
(73) Telefonaktiebolaget LM Ericsson (publ)	(72) LI, Chaojun	JIANG, Jing
(72) LI, Jingya	CHEN, Xiaobo	(31) 201662288374 P
FALCONETTI, Laetitia	(51) H04L 1/18	201615182433
LARSSON, Daniel	H04W 8/18	(32) 28.01.2016
SAHLIN, Henrik	H04W 28/02	14.06.2016
WIKSTRÖM, Gustav	H04W 88/06	(33) United States of America
(31) 201662374372 P	(11) EP3384701	United States of America
(32) 12.08.2016	(21) EP16816516.5	(51) H04L 5/00
(33) United States of America	(47) 07.10.2020	H04L 25/02
(51) H04L 1/18	(87) US2016064360	H04B 7/0417
H04L 5/00	08.06.2017	H04B 7/0456
H04L 5/14	(22) 01.12.2016	H04W 4/02
H04W 76/28	(54) DELIBERATING RETRANSMISSIONS	(11) EP3373464
(11) EP3119013	TO AVOID NEW HYBRID AUTOMATIC	(21) EP16862490.6
(21) EP15761840.6	REPEAT REQUESTS (HARQ)	(47) 07.10.2020
(47) 07.10.2020	(73) Qualcomm Incorporated	(87) KR2016012687
(87) KR2015002346	(72) RAJAE, Amir	11.05.2017
17.09.2015	SHAH, Chintan Shirish	(22) 04.11.2016
(22) 11.03.2015	(31) 201514959654	(54) METHOD AND DEVICE FOR
(54) METHOD FOR RECEIVING DOWNLINK	(32) 04.12.2015	TRANSMITTING REFERENCE SIGNAL
CONTROL CHANNEL IN WIRELESS	(33) United States of America	IN COMMUNICATION SYSTEM
COMMUNICATION SYSTEM	(51) H04L 5/00	(73) Samsung Electronics Co., Ltd.
APPLYING CARRIER AGGREGATION	(11) EP3131224	(72) NOH, Hoon-Dong
TECHNIQUE, AND APPARATUS	(21) EP15181100.7	KIM, Youn-Sun
THEREFOR	(47) 07.10.2020	KWAK, Young-Woo

SHIN, Cheol-Kyu	LU, Chen	(21) EP17761670.3
(31) 20150155709	LV, Yong	(47) 07.10.2020
(32) 06.11.2015	(31) 201510082663	(87) US2017048018
(33) Korea (Republic)	(32) 13.02.2015	05.04.2018
(51) H04L 5/00	(33) China	(22) 22.08.2017
H04L 27/00	(51) H04L 5/00	(54) TECHNIQUES FOR DYNAMIC
H04L 27/26	H04W 8/00	DEMODULATION REFERENCE SIGNAL
H04W 16/14	H04W 72/02	PATTERNS FOR DATA TRANSMISSION
H04W 72/12	H04W 72/04	(73) QUALCOMM Incorporated
H04W 74/08	H04W 4/40	(72) HUANG, Yi
(11) EP3155857	H04W 4/46	XU, Hao
(21) EP15718118.1	(11) EP3504832	CHEN, Wanshi
(47) 07.10.2020	(21) EP17765277.3	ZENG, Wei
(87) US2015025732	(47) 07.10.2020	GAAL, Peter
17.12.2015	(87) SE2017050816	(31) 201662401658 P
(22) 14.04.2015	01.03.2018	201715493922
(54) CHANNEL USAGE BEACON SIGNAL	(22) 11.08.2017	(32) 29.09.2016
TRANSMISSIONS BASED ON	(54) METHODS FOR EFFICIENT	21.04.2017
UPLINK TRANSMISSIONS OVER AN	SIGNALING IN V2X COMMUNICATIONS	(33) United States of America
UNLICENSED RADIO FREQUENCY	(73) Telefonaktiebolaget LM Ericsson (publ)	United States of America
SPECTRUM BAND	(72) SORRENTINO, Stefano	(51) H04L 5/00
(73) Qualcomm Incorporated	BLASCO SERRANO, Ricardo	H04W 24/10
(72) WEI, Yongbin	DO, Hieu	H04W 36/00
XU, Hao	(31) 201662379041 P	H04W 72/04
LUO, Tao	(32) 24.08.2016	H04W 76/27
(31) 201462010366 P	(33) United States of America	(11) EP3528569
201514685327	(51) H04L 5/00	(21) EP17866445.4
(32) 10.06.2014	H04W 16/00	(47) 07.10.2020
13.04.2015	H04W 72/08	(87) CN2017109385
(33) United States of America	(11) EP3589004	11.05.2018
United States of America	(21) EP19193400.9	(22) 03.11.2017
(51) H04L 5/00	(47) 07.10.2020	(54) TECHNIQUES FOR UPLINK
H04L 27/26	(22) 09.04.2010	SOUNDING REFERENCE SIGNAL
(11) EP3249870	(54) METHOD OF SETTING UP	TRANSMISSION AND RECEPTION
(21) EP16740454.0	REFERENCE SIGNAL IN RADIO	(73) Huawei Technologies Co., Ltd.
(47) 07.10.2020	COMMUNICATION SYSTEM AND	(72) DOU, Shengyue
(87) KR2016000778	SYSTEM THEREFOR	WANG, Ting
28.07.2016	(73) Sun Patent Trust	QIN, Yi
(22) 25.01.2016	(72) TONG, Hui	LI, Yuanjie
(54) METHOD AND APPARATUS FOR	XU, Ming	(31) 201610964711
GENERATING SIGNAL BY DEVICE-TO-	HOSHINO, Masayuki	201710682220
DEVICE COMMUNICATION TERMINAL	IMAMURA, Daichi	(32) 04.11.2016
IN WIRELESS COMMUNICATION	(31) 200910136073	10.08.2017
SYSTEM	(32) 27.04.2009	(33) China
(73) LG Electronics Inc.	(33) China	China
(72) CHAE, Hyukjin	(51) H04L 5/00	(51) H04L 5/00
SEO, Hanbyul	H04W 16/14	H04W 28/02
KIM, Youngtae	(11) EP3542491	H04W 72/12
KIM, Kijun	(21) EP17812061.4	(11) EP3337232
(31) 201562106739 P	(47) 07.10.2020	(21) EP16843553.5
(32) 23.01.2015	(87) IB2017057207	(47) 07.10.2020
(33) United States of America	24.05.2018	(87) CN2016095692
(51) H04L 5/00	(22) 17.11.2017	16.03.2017
H04W 4/06	(54) FLEXIBLE STANDALONE SPECTRUM	(22) 17.08.2016
H04W 72/00	FOR NB-IOT	(54) METHOD AND APPARATUS FOR
(11) EP3244644	(73) Telefonaktiebolaget LM Ericsson (publ)	DETERMINING MULTI-POINT
(21) EP15881781.7	(72) SUI, Yutai	TRANSMISSION RESOURCE
(47) 07.10.2020	EVERAERE, Dominique	(73) Huawei Technologies Co., Ltd.
(87) CN2015088651	WANG, Yi-Pin Eric	(72) LUO, Zezhou
18.08.2016	(31) 201662424218 P	ZHUANG, Hongcheng
(22) 31.08.2015	(32) 18.11.2016	(31) 201510570418
(54) METHOD AND SYSTEM FOR	(33) United States of America	(32) 09.09.2015
IMPLEMENTING SERVICE	(51) H04L 5/00	(33) China
SCHEDULING, BASE STATION, AND	H04W 24/02	(51) H04L 5/00
USER EQUIPMENT	H04W 48/12	H04W 52/14
(73) ZTE Corporation	H04W 88/02	H04W 52/24
(72) XU, Hui	H04W 88/08	H04W 52/32
MA, Zijiang	(11) EP3520278	H04W 52/40

H04W 72/04	(47) 07.10.2020	03.05.2016
H04W 88/08	(87) CN2017117448	06.07.2016
H04B 7/02	12.07.2018	15.09.2016
(11) EP3512264	(22) 20.12.2017	23.11.2016
(21) EP18202454.7	(54) WIRELESS COMMUNICATION USING	(33) United States of America
(47) 07.10.2020	MULTIPLE ACCESS TECHNIQUES	United States of America
(22) 10.08.2012	(73) Huawei Technologies Co., Ltd.	United States of America
(54) UPLINK POWER CONTROL METHOD,	(72) MENG, Xiangming	United States of America
USER EQUIPMENT AND BASE	CHEN, Yan	United States of America
STATION	WU, Yiqun	United States of America
(73) Huawei Technologies Co., Ltd.	BAYESTEH, Alireza	(51) H04L 9/00
(72) LIU, Kunpeng	(31) 201710008129	H04L 12/22
(31) 201110237430	(32) 05.01.2017	H04L 29/06
(32) 18.08.2011	(33) China	H04L 29/08
(33) China	(51) H04L 5/00	(11) EP3183840
(51) H04L 5/00	H04W 72/04	(21) EP15834184.2
H04W 72/02	H04W 4/70	(47) 07.10.2020
(11) EP2311216	(11) EP3335361	(87) US2015037123
(21) EP09790895.8	(21) EP16759885.3	25.02.2016
(47) 07.10.2020	(47) 07.10.2020	(22) 23.06.2015
(87) US2009052016	(87) JP2016003709	(54) ZERO DAY THREAT DETECTION
04.02.2010	16.02.2017	USING HOST APPLICATION/
(22) 28.07.2009	(22) 10.08.2016	PROGRAM TO USER AGENT
(54) TONE SELECTION IN	(54) COMMUNICATION SYSTEM	MAPPING
COMMUNICATION NETWORKS	(73) NEC Corporation	(73) McAfee, LLC
(73) QUALCOMM Incorporated	(72) AWAD, Yassin Aden	(72) KUMAR, Manish
(72) SAMPATH, Ashwin	ARNOTT, Robert	(31) 201414464377
HORN, Gavin, Bernard	(31) 201514235	(32) 20.08.2014
LI, Husheng	(32) 12.08.2015	(33) United States of America
(31) 183764	(33) United Kingdom	(51) H04L 9/06
(32) 31.07.2008	(51) H04L 7/04	H04L 9/32
(33) United States of America	H04B 10/61	(11) EP3491773
(51) H04L 5/00	H04B 10/69	(21) EP17751138.3
H04W 72/04	(11) EP3496327	(47) 07.10.2020
(11) EP3143819	(21) EP16913743.7	(87) IB2017054462
(21) EP15744660.0	(47) 07.10.2020	01.02.2018
(47) 07.10.2020	(87) CN2016096387	(22) 24.07.2017
(87) IB2015053465	01.03.2018	(54) BLOCKCHAIN IMPLEMENTED
19.11.2015	(22) 23.08.2016	METHOD AND SYSTEM
(22) 11.05.2015	(54) METHOD FOR ACQUIRING PHASE	(73) Nchain Holdings Limited
(54) ASSIGNMENT OF COMPONENT	DISCRIMINATION SIGNAL IN CLOCK	(72) SAVANAH, Stephane
CARRIERS IN DUAL CONNECTIVITY	RECOVERY CIRCUIT AND PHASE	WRIGHT, Craig Steven
OPERATION	DISCRIMINATOR	CHAN, Ying
(73) Telefonaktiebolaget LM Ericsson (publ)	(73) Huawei Technologies Co., Ltd.	(31) 201613109
(72) RAHMAN, Imadur	(72) LIU, Ling	(32) 29.07.2016
KAZMI, Muhammad	WAN, Wentong	(33) United Kingdom
(31) 201461993827 P	(51) H04L 9/00	(51) H04L 9/08
(32) 15.05.2014	H04L 9/08	H04L 9/12
(33) United States of America	H04L 9/32	H04L 12/803
(51) H04L 5/00	H04L 29/06	H04L 12/863
H04W 72/04	(11) EP3381151	(11) EP3188404
(11) EP3324693	(21) EP16869331.5	(21) EP15837039.5
(21) EP15900761.6	(47) 07.10.2020	(47) 07.10.2020
(47) 07.10.2020	(87) US2016063752	(87) JP2015004158
(87) CN2015086794	01.06.2017	03.03.2016
16.02.2017	(22) 25.11.2016	(22) 20.08.2015
(22) 12.08.2015	(54) SELECTIVITY IN PRIVACY AND	(54) INFORMATION COMMUNICATION
(54) DATA TRANSMISSION METHOD,	VERIFICATION WITH APPLICATIONS	SYSTEM, INFORMATION
APPARATUS AND COMPUTER-	(73) Gvili, Yaron	COMMUNICATION METHOD, AND
READABLE STORAGE MEDIUM	(72) Gvili, Yaron	DEVICE
(73) Huawei Technologies Co., Ltd.	(31) 201562260125 P	(73) NEC Corporation
(72) LI, Chaojun	201662294631 P	(72) OCHI, Takao
MA, Sha	201662331139 P	YOSHINO, Ken-ichiro
WU, Zuomin	201662358970 P	TAJIMA, Akio
(51) H04L 5/00	201662395276 P	(31) 2014170087
H04W 72/04	201615360848	(32) 25.08.2014
(11) EP3531771	(32) 25.11.2015	(33) Japan
(21) EP17890499.1	12.02.2016	(51) H04L 9/08

H04L 9/32	(32) 22.09.2017	(33) United States of America
(11) EP3335369	11.04.2018	(51) H04L 9/32
(21) EP16751136.9	(33) United States of America	G06F 21/32
(47) 07.10.2020	United States of America	G06F 21/62
(87) US2016045962	(51) H04L 9/32	(11) EP3454248
16.02.2017	(11) EP3010176	(21) EP18188915.5
(22) 08.08.2016	(21) EP14189436.0	(47) 07.10.2020
(54) GROUP MEMBERSHIP BLOCK CHAIN	(47) 07.10.2020	(22) 14.08.2018
(73) Cisco Technology, Inc.	(22) 17.10.2014	(54) APPLICATION DECRYPTION METHOD,
(72) BIGGS, Andrew	(54) Method and receiver entity for secure	TERMINAL AND NON-TRANSITORY
COOLEY, Shaun	execution of software	COMPUTER-READABLE STORAGE
MILLER, Matt	(73) QuBalt GmbH	MEDIUM
WHITSELL, Sean	(72) Harder, Wulf	(73) GUANGDONG OPPO MOBILE
(31) 201562202950 P	Unruh, Dominique	TELECOMMUNICATIONS CORP., LTD.
201514943184	Resas, Uwe	(72) CHEN, Zhenzhen
(32) 10.08.2015	(51) H04L 9/32	(31) 201710801524
17.11.2015	(11) EP3494664	(32) 07.09.2017
(33) United States of America	(21) EP17749293.1	(33) China
United States of America	(47) 07.10.2020	(51) H04L 9/32
(51) H04L 9/08	(87) US2017044060	G06F 21/34
H04L 9/32	08.02.2018	G06F 21/35
H04W 12/04	(22) 27.07.2017	(11) EP3480718
H04W 12/06	(54) SCOPE-BASED CERTIFICATE	(21) EP18204253.1
(11) EP3334084	DEPLOYMENT	(47) 07.10.2020
(21) EP15901945.4	(73) Microsoft Technology Licensing, LLC	(22) 05.11.2018
(47) 07.10.2020	(72) RATHINASABAPATHY, Mangalam	(54) SYSTEM AND METHOD FOR
(87) CN2015087967	SIMEK, Patrick	FACILITATING AUTHENTICATION VIA A
02.03.2017	ZENG, Xinghuo	SHORTRANGE WIRELESS TOKEN
(22) 24.08.2015	MIGLANI, Harpreet	(73) UBS Business Solutions AG
(54) SECURITY AUTHENTICATION	SILVA, Roshane	(72) Hiltgen, Alain
METHOD, CONFIGURATION METHOD	(31) 201662370840 P	(31) 201715804973
AND RELATED DEVICE	201615369297	(32) 06.11.2017
(73) Huawei Technologies Co., Ltd.	(32) 04.08.2016	(33) United States of America
(72) PANG, Gaokun	05.12.2016	(51) H04L 9/32
FANG, Ping	(33) United States of America	G06F 21/36
(51) H04L 9/08	United States of America	(11) EP2084622
H04W 12/00	(51) H04L 9/32	(21) EP07868528.6
(11) EP2323307	(11) EP3579496	(47) 07.10.2020
(21) EP10190001.7	(21) EP19159419.1	(87) US2007082088
(47) 07.10.2020	(47) 07.10.2020	02.05.2008
(22) 04.11.2010	(22) 26.02.2019	(22) 22.10.2007
(54) Method and apparatus for generating	(54) A METHOD FOR REGISTERING	(54) USER AUTHENTICATION SYSTEM
a key non-interactively and method for	OF A DATA AS DIGITAL FILE IN A	AND METHOD
communication security using the same	BLOCKCHAIN DATABASE	(73) Sypherlock Technology Corporation
(73) Samsung SDS Co. Ltd.	(73) Coinfirm Blockchain Lab Sp. z o.o.	SITAR, Paul
(72) Yoon, Hyo Jin	(72) ALEKSANDER, Pawel, Zygmunt	FLANAGIN, George Kelly
Kim, Jin Young	KUSKOWSKI, Pawel	GINZBURG, Lev
Lee, Won Il	FIJOLEK, Jakub	(72) SITAR, Paul
Chang, Jin Yeop	(31) 18461565	FLANAGIN, George Kelly
Lee, Chung Hyeok	18195583	GINZBURG, Lev
(31) 20090106010	(32) 07.06.2018	(31) 552555
(32) 04.11.2009	19.09.2018	(32) 25.10.2006
(33) Korea (Republic)	(33) European Patent Office (EPO)	(33) United States of America
(51) H04L 9/12	European Patent Office (EPO)	(51) H04L 9/32
H04L 9/32	(51) H04L 9/32	H04L 29/06
(11) EP3461059	(11) EP3451578	(11) EP3485603
(21) EP18178887.8	(21) EP18191811.1	(21) EP17740746.7
(47) 07.10.2020	(47) 07.10.2020	(47) 07.10.2020
(22) 20.06.2018	(22) 30.08.2018	(87) EP2017068161
(54) SCALABLE BYZANTINE FAULT-	(54) TURN-CONTROL REWRITABLE	25.01.2018
TOLERANT PROTOCOL WITH	BLOCKCHAIN	(22) 18.07.2017
PARTIAL TRUSTED EXECUTION	(73) Accenture Global Solutions Limited	(54) TOKEN BASED AUTHENTICATION
ENVIRONMENT SUPPORT	GSC Secrypt, LLC	USING A SIGNED MESSAGE
(73) NEC Corporation	(72) ATENIESE, Giuseppe	(73) bitagentur GmbH & Co. KG
(72) Li, M Wenting	CHIARAMONTE, Michael T.	(72) EIDENSCHINK, Maximilian
Karame, Ghassan	TREAT, David	SENF, Marcel
(31) 201762561726 P	(31) 201762553597 P	(31) 102016213104
201815950185	(32) 01.09.2017	(32) 18.07.2016

(33) Germany	(54) DATA TRANSMISSION	(51) H04L 12/18
(51) H04L 9/32	(73) Samsung Electronics Co., Ltd.	H04L 12/24
H04L 29/06	(72) KWON, Chang-yeul	H04L 12/46
G06F 21/33	LEE, Ho-seok	H04L 12/58
G06F 21/57	KIM, Jae-hwa	H04L 29/06
G06F 9/455	LEE, Jae-min	H04L 29/08
(11) EP2625645	(31) 20050049444	H04L 12/931
(21) EP11831226.3	(32) 09.06.2005	(11) EP3235199
(47) 07.10.2020	(33) Korea (Republic)	(21) EP14908606.8
(87) US2011053010	(51) H04L 12/10	(47) 07.10.2020
12.04.2012	(11) EP3482530	(87) US2014071358
(22) 23.09.2011	(21) EP17737535.9	23.06.2016
(54) SECURE DEPLOYMENT OF	(47) 07.10.2020	(22) 19.12.2014
PROVABLE IDENTITY FOR DYNAMIC	(87) EP2017066589	(54) MULTICAST ADVERTISEMENT
APPLICATION ENVIRONMENTS	11.01.2018	MESSAGE FOR A NETWORK SWITCH
(73) Microsoft Technology Licensing, LLC	(22) 04.07.2017	IN A STORAGE AREA NETWORK
(72) JIRKA, Ian	(54) DETERMINATION OF THE	(73) Hewlett Packard Enterprise Development
TEVOSYAN, Kahren	RESISTANCE STRUCTURE OF AN	LP
SANDERS, Corey	ELECTRICAL CIRCUIT	(72) AGARWAL, Vivek
MOORE, George M.	(73) Canon Kabushiki Kaisha	MOHAN, Rupin
SRIVASTAVA, Mohit	(72) LE SCOLAN, Lionel	PUTTAGUNTA, Krishna
RUSSINOVICH, Mark Eugene	MERLET, Hervé	MACKAY, Andrew E.S.
(31) 901445	EL KOLLI, Yacine	(51) H04L 12/18
(32) 08.10.2010	(31) 201611968	H04L 12/58
(33) United States of America	(32) 08.07.2016	(11) EP3134863
(51) H04L 9/32	(33) United Kingdom	(21) EP15783790.7
H04L 29/06	(51) H04L 12/14	(47) 07.10.2020
G06F 21/64	H04M 15/00	(87) KR2015004140
(11) EP3659311	H04W 12/04	29.10.2015
(21) EP17746458.3	H04W 12/08	(22) 27.04.2015
(47) 07.10.2020	H04W 48/18	(54) METHODS OF PROVIDING SOCIAL
(87) EP2017069151	H04W 4/24	NETWORK SERVICE AND SERVER
31.01.2019	H04W 4/60	PERFORMING THE SAME
(22) 28.07.2017	(11) EP3291608	(73) Samsung Electronics Co., Ltd.
(54) DATA STREAM INTEGRITY	(21) EP16786764.7	(72) KIM, Sun-kyung
(73) Telefonaktiebolaget LM Ericsson (PUBL)	(47) 07.10.2020	ALIEKSIEIEV, Mykola
(72) BILLSTRÖM, Adam Hemlin	(87) KR2016004458	KULAKOV, Aleksey
HUSS, Fabian	03.11.2016	MOKHONKO, Aleksey
KRISTIANSSON, Johan	(22) 28.04.2016	(31) 201461984257 P
(51) H04L 12/00	(54) METHOD AND DEVICE FOR	20140052973
H04L 12/14	PROVIDING DATA SERVICE IN	20150048328
H04L 12/24	WIRELESS COMMUNICATION SYSTEM	(32) 25.04.2014
H04M 15/00	(73) Samsung Electronics Co., Ltd.	30.04.2014
H04M 15/02	(72) KWEON, Ki-Suk	06.04.2015
H04M 17/00	LEE, Ji-Cheol	(33) United States of America
H04M 17/02	LEE, Hyung-Ho	Korea (Republic)
H04W 4/24	JUNG, Ha-Kyung	Korea (Republic)
(11) EP3292655	(31) 20150059973	(51) H04L 12/18
(21) EP15891071.1	(32) 28.04.2015	H04L 12/701
(47) 07.10.2020	(33) Korea (Republic)	(11) EP3435595
(87) CN2015078261	(51) H04L 12/18	(21) EP18180678.7
10.11.2016	(11) EP3179657	(47) 07.10.2020
(22) 05.05.2015	(21) EP15840463.2	(22) 29.06.2018
(54) METHOD AND NETWORK ENTITY	(47) 07.10.2020	(54) MAXIMALLY REDUNDANT TREES
FOR CONTROL OF VALUE ADDED	(87) CN2015074890	TO REDUNDANT MULTICAST
SERVICE (VAS)	17.03.2016	SOURCE NODES FOR MULTICAST
(73) Telefonaktiebolaget LM Ericsson (publ)	(22) 23.03.2015	PROTECTION
(72) ZHANG, Shunliang	(54) PARALLEL MULTIUSER DATA	(73) Juniper Networks, Inc.
(51) H04L 12/00	TRANSMISSION METHOD AND	(72) KEBLER, Robert W.
H04L 29/06	PRIMARY NODE	NAGARAJAN, Vikram
H04W 74/08	(73) ZTE Corporation	(31) 201715663566
H04W 84/12	(72) XING, Weimin	(32) 28.07.2017
H04W 88/06	TIAN, Kaibo	(33) United States of America
H04B 7/0413	LI, Nan	(51) H04L 12/18
(11) EP3422794	LV, Kaiying	H04L 29/06
(21) EP18190079.6	(31) 201410466193	H04M 1/725
(47) 07.10.2020	(32) 12.09.2014	H04M 3/42
(22) 08.06.2006	(33) China	H04M 3/56

H04M 7/12	(11) EP3497886	(54) WIRELESS GATEWAY APPARATUS AND WIRELESS COMMUNICATION METHOD
(11) EP2811727	(21) EP17755601.6	(73) Yokogawa Electric Corporation
(21) EP13382487.0	(47) 07.10.2020	(72) Gotou, Hirotosugu
(47) 07.10.2020	(87) US2017045997	(31) 2012012182
(22) 02.12.2013	15.02.2018	(32) 24.01.2012
(54) Conference call set-up	(22) 09.08.2017	(33) Japan
(73) Vodafone IP Licensing Limited	(54) LOCALIZING NETWORK FAULTS THROUGH DIFFERENTIAL ANALYSIS OF TCP TELEMETRY	(51) H04L 12/24
(72) Riesco Fernandez, Marco	(73) Microsoft Technology Licensing, LLC	H04L 12/66
Martinez Perea, Rogelio	(72) OUTHRED, Geoff	H04L 29/12
Dominguez Gonzalez, Rafael	CIRACI, Selim	H04W 8/26
(31) 13382219	(31) 201615235375	H04W 36/00
(32) 07.06.2013	(32) 12.08.2016	(11) EP3094066
(33) European Patent Office (EPO)	(33) United States of America	(21) EP14878880.5
(51) H04L 12/24	(51) H04L 12/24	(47) 07.10.2020
(11) EP3304819	H04L 12/26	(87) CN2014070610
(21) EP16838539.1	H04L 12/703	23.07.2015
(47) 07.10.2020	H04L 12/707	(22) 14.01.2014
(87) CN2016096074	H04L 12/721	(54) NETWORK ADDRESS TRANSLATION METHOD AND APPARATUS
02.03.2017	H04L 12/723	(73) Huawei Technologies Co., Ltd.
(22) 19.08.2016	(11) EP3494670	(72) PENG, Chenghui
(54) METHOD AND APPARATUS FOR NETWORK SLICING	(21) EP16757358.3	CHEN, Yuhua
(73) Huawei Technologies Co., Ltd.	(47) 07.10.2020	(51) H04L 12/24
(72) ZHANG, Hang	(87) IB2016054721	H04L 12/715
Li, Xu	08.02.2018	(11) EP3163799
(31) 201562208118 P	(22) 04.08.2016	(21) EP15824254.5
201615183075	(54) METHOD AND APPARATUS FOR UPDATING MULTIPLE MULTIPROTOCOL LABEL SWITCHING (MPLS) BIDIRECTIONAL FORWARDING DETECTION (BFD) SESSIONS	(47) 07.10.2020
(32) 21.08.2015	(73) Telefonaktiebolaget LM Ericsson (PUBL)	(87) CN2015080438
15.06.2016	(72) CHALAPATHY, Prasanna	28.01.2016
(33) United States of America	(51) H04L 12/24	(22) 30.05.2015
United States of America	H04L 12/26	(54) NETWORK DEVICE AND METHOD FOR SENDING BGP INFORMATION
(51) H04L 12/24	H04L 12/715	(73) Huawei Technologies Co., Ltd.
G06F 21/52	H04L 12/803	(72) ZHUANG, Shunwan
(11) EP3335379	H04L 12/813	LI, Zhenbin
(21) EP16757414.4	H04L 12/851	SONG, Baohua
(47) 07.10.2020	(11) EP3297231	YIN, Yuanbin
(87) US2016046494	(21) EP16838512.8	CHEN, Guoyi
16.02.2017	(47) 07.10.2020	(31) 201410352943
(22) 11.08.2016	(87) CN2016095695	(32) 23.07.2014
(54) AUTOMATED ELECTRONIC COMPUTING AND COMMUNICATION SYSTEM EVENT ANALYSIS AND MANAGEMENT	02.03.2017	(33) China
(73) ServiceNow, Inc.	(22) 17.08.2016	(51) H04L 12/24
(72) DELINOCCHI, John	(54) DATA TRANSMISSION METHOD, SWITCH USING SAME, AND NETWORK CONTROL SYSTEM	H04L 29/06
(31) 201514824143	(73) Huawei Technologies Co., Ltd.	H04L 12/801
(32) 12.08.2015	(72) CHEN, Zhitang	H04L 12/859
(33) United States of America	FUNG, Fred Chi Hang	(11) EP3178206
(51) H04L 12/24	GENG, Yanhui	(21) EP15753328.2
H04L 12/26	(31) 201510522003	(47) 07.10.2020
(11) EP3329639	(32) 22.08.2015	(87) EP2015067954
(21) EP16733375.6	(33) China	11.02.2016
(47) 07.10.2020	(51) H04L 12/24	(22) 04.08.2015
(87) EP2016064386	H04L 12/26	(54) SYSTEM, METHOD, AND COMPUTER PROGRAM FOR AUGMENTING A PHYSICAL SYSTEM UTILIZING A NETWORK FUNCTION VIRTUALIZATION ORCHESTRATOR (NFV-O)
02.02.2017	H04L 29/08	(73) Amdocs Software Systems Limited
(22) 22.06.2016	H04W 12/08	(72) FELSTAINÉ, Eyal
(54) NETWORK FUNCTION VIRTUALIZATION	H04W 84/18	KITROSER, Itzik
(73) British Telecommunications public limited company	H04W 88/08	HERMONI, Ofer
(72) DI-CAIRANO - GILFEDDER, Carla	(11) EP2621245	UR, Shmuel
SHAKYA, Sid	(21) EP13151542.1	(31) 201462033606 P
OWUSU, Gilbert	(47) 07.10.2020	201414561126
(31) 15178679	(22) 16.01.2013	(32) 05.08.2014
(32) 28.07.2015		04.12.2014
(33) European Patent Office (EPO)		
(51) H04L 12/24		
H04L 12/26		

(33) United States of America United States of America	(73) NTT Communications Corporation	(72) ENGELEN, Dirk Valentinus René
(51) H04L 12/24	(72) OTSUYA, Ryosuke	ALIAKSEYEU, Dzmityr Viktorovich
H04L 29/06	IWASE, Yoshimasa	LASHINA, Tatiana Aleksandrovna
H04L 29/08	(31) 2016018145	NEWTON, Philip Steven
H04L 12/931	(32) 02.02.2016	VAN DE SLUIS, Bartel Marinus
G06F 16/27	(33) Japan	(31) 201462085768 P
(11) EP2850811	(51) H04L 12/26	(32) 01.12.2014
(21) EP13726628.4	H04W 48/02	(33) United States of America
(47) 07.10.2020	H04W 48/06	(51) H04L 12/28
(87) US2013040656	H04L 12/927	H04W 4/08
14.11.2013	(11) EP3539322	H04W 8/08
(22) 10.05.2013	(21) EP17792061.8	H04W 8/18
(54) SYSTEM AND METHOD FOR	(47) 07.10.2020	H04W 76/40
SUPPORTING SUBNET MANAGER	(87) EP2017077884	(11) EP2611247
(SM) MASTER NEGOTIATION IN A	17.05.2018	(21) EP11819922.3
NETWORK ENVIRONMENT	(22) 31.10.2017	(47) 07.10.2020
(73) Oracle International Corporation	(54) FAULTY DEVICE LOAD PROTECTION	(87) JP2011068960
(72) JOHNSEN, Bjorn, Dag	(73) Telefonaktiebolaget LM Ericsson (publ.)	01.03.2012
HOLEN, Line	(72) CASTMO, Thomas	(22) 23.08.2011
MOXNES, Dag, Georg	RAMLE, Peter	(54) MOBILE COMMUNICATION SYSTEM,
HODOBA, Predrag	WASS, Mikael	MOBILE STATION APPARATUS, HOME
TJEMSLAND, Kurt	(31) 201662419108 P	BASE STATION APPARATUS AND
(31) 201261645517 P	(32) 08.11.2016	COMMUNICATION METHOD
(32) 10.05.2012	(33) United States of America	(73) Sharp Kabushiki Kaisha
(33) United States of America	(51) H04L 12/28	(72) ARAMOTO Masafumi
(51) H04L 12/26	H04L 12/46	(31) 2010186582
H04L 29/06	H04W 88/08	(32) 23.08.2010
(11) EP3618389	H04W 92/16	(33) Japan
(21) EP18315022.6	H04L 12/931	(51) H04L 12/46
(47) 07.10.2020	(11) EP3322255	(11) EP3031175
(22) 27.08.2018	(21) EP15902531.1	(21) EP14759361.0
(54) SYSTEMS AND METHODS FOR	(47) 07.10.2020	(47) 07.10.2020
OPERATING A NETWORKING DEVICE	(87) CN2015088553	(87) US2014049578
(73) OVH	09.03.2017	12.02.2015
(72) Rousseau, Clément	(22) 31.08.2015	(22) 04.08.2014
Groleat, Tristan	(54) METHODS AND NETWORK	(54) EXTENDING VIRTUAL STATION
(51) H04L 12/26	APPARATUS FOR RECEIVINGF	INTERFACE DISCOVERY PROTOCOL
H04Q 11/00	CPRI DATA STREAM VIA ETHERNET	(VDP) AND VDP-LIKE PROTOCOLS
(11) EP2487834	FRAMES.	FOR DUAL-HOMED DEPLOYMENTS IN
(21) EP10791414.5	(73) Huawei Technologies Co., Ltd.	DATA CENTER ENVIRONMENTS
(47) 07.10.2020	(72) ZHANG, Fan	(73) Cisco Technology, Inc.
(87) CN2010073355	(51) H04L 12/28	(72) CHENG, Pei-chun
29.12.2010	H04L 29/06	KAPADIA, Shyam
(22) 28.05.2010	H04L 29/12	SHAH, Nilesh
(54) METHOD FOR DETECTING	(11) EP2892213	JAIN, Vipin
DEGRADED SIGNAL DEFECT	(21) EP15152579.7	(31) 201313960929
(73) ZTE Corporation	(47) 07.10.2020	(32) 07.08.2013
(72) MA, Yuxia	(22) 05.12.2007	(33) United States of America
XU, Zehua	(54) Electronic device for communication	(51) H04L 12/46
(31) 200910110069	within a network and method for	H04L 29/06
(32) 10.11.2009	operating an electronic device	H04L 29/08
(33) China	(73) Sony Corporation	G06F 9/455
(51) H04L 12/26	(72) Mank, Armin	(11) EP3497919
H04W 40/12	(51) H04L 12/28	(21) EP17840304.4
H04W 40/28	H04W 4/00	(47) 07.10.2020
H04L 12/727	H05B 47/105	(87) US2017046365
(11) EP3413520	H05B 47/19	15.02.2018
(21) EP17747410.3	(11) EP3228051	(22) 10.08.2017
(47) 07.10.2020	(21) EP15805631.7	(54) DISTRIBUTED NETWORK SECURITY
(87) JP2017003431	(47) 07.10.2020	SYSTEM PROVIDING ISOLATION OF
10.08.2017	(87) IB2015059171	CUSTOMER DATA
(22) 31.01.2017	09.06.2016	(73) IBOSS, Inc.
(54) TERMINAL, RELAY DEVICE	(22) 27.11.2015	(72) MARTINI, Paul Michael
SELECTION DEVICE,	(54) IDENTIFYING AND CONTROLLING	(31) 201615233894
COMMUNICATION METHOD, RELAY	SIGNAL INFLUENCE ON ONE OR	(32) 10.08.2016
DEVICE SELECTION METHOD, AND	MORE PROPERTIES OF EMITTED	(33) United States of America
PROGRAM	LIGHT	(51) H04L 12/58
	(73) Signify Holding B.V.	(11) EP3541025

(21) EP19172800.5	ASHIDA, Yuta	VASSEUR, Jean-Philippe
(47) 07.10.2020	(31) 2013240177	(31) 201615216007
(22) 12.08.2016	(32) 20.11.2013	(32) 21.07.2016
(54) TECHNIQUES FOR MESSAGING BOT RICH COMMUNICATION	(33) Japan	(33) United States of America
(73) Facebook, Inc.	(51) H04L 12/715	(51) H04L 25/02
(72) STEINER, Matthew	H04L 12/723	H04L 27/20
STEINBERG ROSENBERG, Seth	H04L 12/751	H04L 27/26
Garrett	H04L 12/911	(11) EP2319196
SUKHAR, Ilya	(11) EP3503482	(21) EP09807783.7
KARIMAN, Pooya	(21) EP17382864.1	(47) 07.10.2020
(31) 201615054103	(47) 07.10.2020	(87) CA2009001149
PCT/US2016/019969	(22) 19.12.2017	25.02.2010
(32) 25.02.2016	(54) SYSTEMS AND METHODS FOR FACILITATING TRANSPARENT SERVICE MAPPING ACROSS MULTIPLE NETWORK TRANSPORT OPTIONS	(22) 18.08.2009
26.02.2016	(73) Juniper Networks, Inc.	(54) SYSTEMS AND METHODS FOR TRAINING SEQUENCE SELECTION, TRANSMISSION AND RECEPTION
(33) United States of America	(72) Verma, Anshu	(73) BlackBerry Limited
World Intellectual Property Office (WIPO)	Antich, Javier	(72) XIN, Yan
(51) H04L 12/58	(51) H04L 12/715	WU, Huan
G06F 3/0481	H04L 12/741	QU, Shouxing
G06F 3/0488	H04L 12/747	(31) 89712 P
G06F 1/3234	H04L 12/751	(32) 18.08.2008
(11) EP3113001	H04L 12/757	(33) United States of America
(21) EP16169057.3	(11) EP3488568	(51) H04L 25/03
(47) 07.10.2020	(21) EP16750262.4	H04B 10/61
(22) 10.05.2016	(47) 07.10.2020	(11) EP3316535
(54) METHOD AND APPARATUS FOR DISPLAYING INFORMATION	(87) IB2016054433	(21) EP16813637.2
(73) Xiaomi Inc.	01.02.2018	(47) 07.10.2020
(72) ZHU, Yifan	(22) 25.07.2016	(87) CN2016083715
YANG, Wankun	(54) EFFICIENT VPN ROUTE REFRESH MECHANISM FOR BGP BASED VPN TECHNOLOGIES	29.12.2016
CHEN, Yinli	(73) Telefonaktiebolaget LM Ericsson (publ)	(22) 27.05.2016
(31) 201510369864	(72) T, Anupkumar	(54) SELF-ADAPTIVE EQUALIZER AND METHOD OF IMPLEMENTING ADAPTIVE EQUALIZATION
(32) 29.06.2015	(51) H04L 12/717	(73) ZTE Corporation
(33) China	H04L 12/721	(72) WANG, Weiming
(51) H04L 12/58	H04L 12/751	(31) 201510355351
H04L 29/12	(11) EP3166263	(32) 24.06.2015
H04W 4/14	(21) EP14888640.1	(33) China
(11) EP3235188	(47) 07.10.2020	(51) H04L 25/03
(21) EP15804975.9	(87) CN2014089236	H04L 25/06
(47) 07.10.2020	15.10.2015	(11) EP3300547
(87) IB2015058640	(22) 23.10.2014	(21) EP16820771.0
23.06.2016	(54) ROUTING CALCULATION METHOD AND DEVICE FOR TRILL ISIS	(47) 07.10.2020
(22) 09.11.2015	(73) ZTE Corporation	(87) CN2016087484
(54) METHOD FOR RESOLVING A HOST NAME, RELATED SYSTEM AND COMPUTER PROGRAM PRODUCT	(72) WU, Qiang	12.01.2017
(73) STMicroelectronics S.r.l.	(31) 201410310138	(22) 28.06.2016
(72) FOLLERO, Giulio	(32) 01.07.2014	(54) METHOD AND APPARATUS FOR LOW-COMPLEXITY QUASI-REDUCED STATE SOFT-OUTPUT EQUALIZER
MASSASCUSA, Sofia	(33) China	(73) Huawei Technologies Co., Ltd.
(31) TO20141070	(51) H04L 12/721	(72) MITRA, Jeebak
(32) 19.12.2014	H04L 12/725	ZHANG, Zhuhong
(33) Italy	H04L 12/751	(31) 201514795636
(51) H04L 12/715	H04L 12/753	(32) 09.07.2015
H04L 12/717	(11) EP3273651	(33) United States of America
H04L 12/721	(21) EP17181349.6	(51) H04L 27/00
H04L 12/751	(47) 07.10.2020	H04L 27/01
(11) EP3073685	(22) 14.07.2017	H04L 27/38
(21) EP14864748.0	(54) DISTRIBUTED CONSTRAINED TREE FORMATION FOR DETERMINISTIC MULTICAST	H04B 10/61
(47) 07.10.2020	(73) Cisco Technology, Inc.	(11) EP3402146
(87) JP2014005221	(72) THUBERT, Pascal	(21) EP17813006.8
28.05.2015	WIJNANDS, Ijsbrand	(47) 07.10.2020
(22) 15.10.2014	WETTERWALD, Patrick	(87) JP2017015195
(54) NETWORK CONTROL DEVICE, NETWORK CONTROL METHOD, AND PROGRAM	LEVY-ABEGNOLI, Eric	21.12.2017
(73) NEC Corporation		(22) 13.04.2017
(72) HIGUCHI, Yuta		
KOIDE, Toshio		

(54) PHASE COMPENSATION DEVICE, PHASE COMPENSATION METHOD AND COMMUNICATION APPARATUS	(11) EP3549324 (21) EP18865357.0 (47) 07.10.2020	(47) 07.10.2020 (87) EP2016081187 29.06.2017
(73) NTT Electronics Corporation Nippon Telegraph And Telephone Corporation	(87) CN2018115921 18.04.2019 (22) 16.11.2018	(22) 15.12.2016 (54) MALICIOUS SOFTWARE IDENTIFICATION
(72) YAMAZAKI, Etsushi NOUCHI, Hiroyuki ONUMA, Yasuharu TAKAMUKU, Tomohiro OYAMA, Katsuichi TAKEI, Kazuhito TOMIZAWA, Masahito KISAKA, Yoshiaki YOSHIDA, Mitsuteru NAKAMURA, Masanori	(54) A DOMAIN NAME MANAGEMENT SCHEME FOR CROSS-CHAIN INTERACTIONS IN BLOCKCHAIN SYSTEMS (73) Alibaba Group Holding Limited (72) QIU, Honglin	(73) British Telecommunications public limited company (72) KALLOS, George EL-MOUSSA, Fadi (31) 15202737 (32) 24.12.2015 (33) European Patent Office (EPO)
(31) 2016120841 (32) 17.06.2016 (33) Japan	(51) H04L 29/06 G06F 21/31 G06F 21/45 G06F 21/55	(51) H04L 29/06 G06F 21/56 G06F 21/57
(11) EP3222016 (21) EP15800923.3 (47) 07.10.2020 (87) GB2015053543 26.05.2016 (22) 20.11.2015	(11) EP3466024 (21) EP17727443.8 (47) 07.10.2020 (87) US2017032995 30.11.2017 (22) 17.05.2017 (54) DISTINGUISHING VERTICAL BRUTE FORCE ATTACKS FROM BENIGN ERRORS	(11) EP3039609 (21) EP14767190.3 (47) 07.10.2020 (87) US2014053007 05.03.2015 (22) 27.08.2014 (54) SYSTEMS AND METHODS FOR IDENTIFYING PRIVATE KEYS THAT HAVE BEEN COMPROMISED
(22) 20.11.2015 (54) AM DEMODULATION WITH PHASE AND SYMBOL EDGE DETECTION (73) Nordic Semiconductor ASA (72) UNDHEIM, Ruben BRUSET, Ola	(73) Microsoft Technology Licensing, LLC (72) PLOTNIK, Idan DOLINSKY, Michael KRIGSMAN, Sivan BE'ERY, Tal Arie DAVID, Gil SIMAKOV, Marina	(73) CA, Inc. (72) WAWDA, Abubakar MAO, Jun YEO, Matthew (31) 201314015168 (32) 30.08.2013 (33) United States of America
(31) 201420711 (32) 21.11.2014 (33) United Kingdom	(31) 201615163633 (32) 24.05.2016 (33) United States of America	(51) H04L 29/06 G06Q 50/00 G06F 21/55 G06F 16/903 G06F 16/9032 G06N 20/00
(51) H04L 29/06 (11) EP2517435 (21) EP10801037.2 (47) 07.10.2020 (87) US2010060797 30.06.2011 (22) 16.12.2010	(11) EP2541457 (21) EP12172793.7 (47) 07.10.2020 (22) 20.06.2012 (54) METHOD AND SYSTEM OF LOCATION- AWARE CERTIFICATE BASED AUTHENTICATION	(11) EP3497609 (21) EP17755397.1 (47) 07.10.2020 (87) US2017046569 15.02.2018 (22) 11.08.2017 (54) DETECTING SCRIPTED OR OTHERWISE ANOMALOUS INTERACTIONS WITH SOCIAL MEDIA PLATFORM
(54) SYSTEMS AND METHODS FOR REMOTELY CONTROLLING A MEDIA SERVER VIA A NETWORK (73) Sling Media L.L.C. (72) PAUL, John CAGNEY, Myles HENNESSY, Peter Mark	(73) General Electric Company (72) Lakshminarayanan, Sitaraman Suthamali (31) 201113169471 (32) 27.06.2011 (33) United States of America	(73) Twitter, Inc. (72) WEI, Wendy SHEN, Siwei (31) 201662373946 P (32) 11.08.2016 (33) United States of America
(31) 645870 (32) 23.12.2009 (33) United States of America	(51) H04L 29/06 G06F 21/50 (11) EP3220303 (21) EP17153082.7 (47) 07.10.2020 (22) 25.01.2017 (54) SELECTIVE EXTENDED ARCHIVING OF DATA	(51) H04L 29/06 H04L 29/08 (11) EP2647170 (21) EP11781809.6 (47) 07.10.2020 (87) EP2011070010 07.06.2012 (22) 14.11.2011 (54) DYNAMIC ASSIGNMENT OF A SERVING NETWORK NODE
(51) H04L 29/06 (11) EP3395035 (21) EP16819105.4 (47) 07.10.2020 (87) EP2016082488 29.06.2017 (22) 22.12.2016	(73) The Boeing Company (72) MEVES, Nicholas J. (31) 201615069762 (32) 14.03.2016 (33) United States of America	(73) Koninklijke KPN N.V. (72) VEENSTRA, Pieter PONS, Colin (31) 10193057
(54) MALICIOUS NETWORK TRAFFIC IDENTIFICATION (73) British Telecommunications public limited company (72) EL-MOUSSA, Fadi KALLOS, George (31) PCT/EP2015/202736 (32) 24.12.2015 (33) World Intellectual Property Office (WIPO)	(51) H04L 29/06 G06F 21/50 G06F 21/55 G06F 21/56 (11) EP3394784 (21) EP16823198.3	

11171297	(47) 07.10.2020	(33) United States of America
(32) 30.11.2010	(87) CN2015083251	(51) H04L 29/06
24.06.2011	28.01.2016	H04L 29/08
(33) European Patent Office (EPO)	(22) 03.07.2015	H04L 12/721
European Patent Office (EPO)	(54) METHOD AND APPARATUS FOR	(11) EP3318044
(51) H04L 29/06	USING NETWORK EXHAUSTIVE	(21) EP16818281.4
H04L 29/08	RESOURCE	(47) 07.10.2020
(11) EP3011724	(73) Alibaba Group Holding Limited	(87) KR2016007107
(21) EP14741459.3	(72) WANG, Jin	05.01.2017
(47) 07.10.2020	DENG, Yuliang	(22) 01.07.2016
(87) US2014043449	(31) 201410356190	(54) APPARATUS AND METHOD FOR
24.12.2014	(32) 24.07.2014	TRANSMITTING SIGNALS IN A
(22) 20.06.2014	(33) China	MULTIMEDIA SYSTEM
(54) CONTEXT MANAGEMENT	(51) H04L 29/06	(73) Samsung Electronics Co., Ltd.
(73) Convida Wireless, LLC	H04L 29/08	(72) YANG, Hyun-Koo
(72) WANG, Chonggang	G06F 17/00	HWANG, Sung-Hee
DING, Zongrui	(11) EP3033688	(31) 20150094400
LI, Qing	(21) EP14835847.6	(32) 01.07.2015
LI, Hongkun	(47) 07.10.2020	(33) Korea (Republic)
RUSSELL, Paul, L. Jr.	(87) US2014051154	(51) H04L 29/06
(31) 201361837845 P	19.02.2015	H04L 29/08
201361837993 P	(22) 14.08.2014	H04L 29/12
201361844689 P	(54) SELECTIVELY PERFORMING MAN IN	(11) EP2843905
(32) 21.06.2013	THE MIDDLE DECRYPTION	(21) EP14182848.3
21.06.2013	(73) IBOSS, Inc.	(47) 07.10.2020
10.07.2013	(72) MARTINI, Paul Michael	(22) 29.08.2014
(33) United States of America	(31) 201313966900	(54) SINGLE PASS LOAD BALANCING AND
United States of America	(32) 14.08.2013	SESSION PERSISTENCE IN PACKET
United States of America	(33) United States of America	NETWORKS
(51) H04L 29/06	(51) H04L 29/06	(73) Comcast Cable Communications, LLC
H04L 29/08	H04L 29/08	(72) Liu, Chia J.
(11) EP3143745	G06Q 20/32	(31) 201314015093
(21) EP15726432.6	G06Q 30/02	(32) 30.08.2013
(47) 07.10.2020	G06F 21/36	(33) United States of America
(87) US2015030222	(11) EP3553705	(51) H04L 29/06
19.11.2015	(21) EP17878848.5	H04L 29/08
(22) 11.05.2015	(47) 07.10.2020	H04L 29/12
(54) CONNECTING PUBLIC CLOUD WITH	(87) CN2017113576	H04W 12/00
PRIVATE NETWORK RESOURCES	14.06.2018	H04W 12/06
(73) Microsoft Technology Licensing, LLC	(22) 29.11.2017	H04W 12/08
(72) CHANDWANI, Santosh	(54) SERVICE PROCESSING METHOD AND	H04W 84/12
KATTI, Jayteerth Narasingrao	DEVICE	(11) EP3490226
DUNAJSKY, Jaroslav	(73) Alibaba Group Holding Limited	(21) EP18208127.3
BOJANAC, Aleksandar	(72) CHEN, Ge	(47) 07.10.2020
(31) 201461992073 P	SHEN, Lingnan	(22) 23.11.2018
(32) 12.05.2014	LIU, Yanghui	(54) CAPTIVE PORTAL DETECTION
(33) United States of America	QI, Jie	(73) Harman International Industries,
(51) H04L 29/06	(31) 201611121881	Incorporated
H04L 29/08	(32) 08.12.2016	(72) Shanbhag, Sandeep
(11) EP3130132	(33) China	(31) 201741042061
(21) EP15776848.2	(51) H04L 29/06	(32) 23.11.2017
(47) 07.10.2020	H04L 29/08	(33) India
(87) US2015021316	G06Q 50/00	(51) H04L 29/06
15.10.2015	(11) EP2976743	H04L 29/08
(22) 18.03.2015	(21) EP14878214.7	H04L 29/12
(54) RELAY PROXY PROVIDING SECURE	(47) 07.10.2020	H04W 12/06
CONNECTIVITY IN A CONTROLLED	(87) US2014011537	G06Q 30/02
NETWORK ENVIRONMENT	16.07.2015	(11) EP2418826
(73) Google LLC	(22) 14.01.2014	(21) EP11006705.5
(72) MONK, Jason	(54) SYSTEMS AND METHODS FOR	(47) 07.10.2020
BORRGAARD, Geoffrey, Allen	PRIORITY-BASED DIGITAL CONTENT	(22) 16.08.2011
(31) 201414247179	DOWNLOADING	(54) Systems, methods, and apparatus to
(32) 07.04.2014	(73) Facebook, Inc.	monitor mobile internet activity
(33) United States of America	(72) CABANILLAS, Helios, Alonso	(73) The Nielsen Company (US), LLC
(51) H04L 29/06	SHABTAI, Daniel	(72) Papakostas, Achilleas
H04L 29/08	SHAFFER, Justin Alexander	Yonker, Michael
(11) EP3174268	(31) 201414154040	(31) 856651
(21) EP15824942.5	(32) 13.01.2014	(32) 14.08.2010

(33) United States of America	H04M 1/725	(21) EP09806883.6
(51) H04L 29/06	H04Q 9/00	(47) 07.10.2020
H04L 29/08	H04W 12/06	(87) KR2009004571
H04W 12/02	H04W 12/08	18.02.2010
G06Q 30/02	H04W 52/02	(22) 14.08.2009
G06Q 50/00	H04B 17/318	(54) NON-ACCESS STRATUM PROTOCOL
G06F 21/62	H04W 4/00	OPERATION SUPPORTING METHOD
(11) EP3413207	H04W 4/02	IN A MOBILE TELECOMMUNICATION
(21) EP18186737.5	(11) EP3170313	SYSTEM, AND THE SYSTEM
(47) 07.10.2020	(21) EP15822537.5	THEREOF
(22) 28.08.2013	(47) 07.10.2020	(73) Samsung Electronics Co., Ltd.
(54) METHODS AND APPARATUS	(87) US2015037942	(72) SUH, Kyung Joo
TO COLLECT DISTRIBUTED	21.01.2016	YEOUM, Tae Sun
USER INFORMATION FOR MEDIA	(22) 26.06.2015	PARK, Joon Ho
IMPRESSIONS AND SEARCH TERMS	(54) BLUETOOTH ZONE CONTROL USING	SEO, Jin Won
(73) The Nielsen Company (US), LLC	PROXIMITY DETECTION	LEE, Sang Ho
(72) BURBANK, John R.	(73) Control Solutions Enterprises, Inc.	JUNG, Jae Ho
ALLA, Madhusudhan Reddy	(72) STAGG, David	(31) 20080080204
(31) 201261695169 P	(31) 201414331759	(32) 15.08.2008
201261697597 P	(32) 15.07.2014	(33) Korea (Republic)
2013204953	(33) United States of America	(51) H04L 29/06
(32) 30.08.2012	(51) H04L 29/06	H04W 36/00
06.09.2012	H04W 4/08	(11) EP3264721
12.04.2013	H04W 8/00	(21) EP17185277.5
(33) United States of America	H04W 8/18	(47) 07.10.2020
United States of America	H04W 12/08	(22) 17.03.2006
Australia	H04W 24/00	(54) METHOD AND APPARATUS FOR
(51) H04L 29/06	H04W 28/06	CIRCUIT-SWITCHED AND MULTIMEDIA
H04L 29/08	H04W 36/08	SUBSYSTEM VOICE CONTINUITY
H04W 88/06	H04W 48/02	(73) Ericsson AB
(11) EP2291981	H04W 48/16	(72) Mahdi, Kaniz
(21) EP09789914.0	H04W 48/20	Sylvain, Dany
(47) 07.10.2020	(11) EP2547163	(31) 662888 P
(87) US2009048322	(21) EP11795187.1	684046 P
21.01.2010	(47) 07.10.2020	753158 P
(22) 23.06.2009	(87) CN2011075844	(32) 17.03.2005
(54) APPARATUS AND METHODS FOR	22.12.2011	24.05.2005
PROVIDING SERVICE DISCOVERY	(22) 17.06.2011	22.12.2005
OVER ALTERNATE TRANSPORTS	(54) MANAGEMENT METHOD AND	(33) United States of America
(73) Apple Inc.	APPARATUS FOR CLOSED	United States of America
(72) GILES, Michael, Jason	SUBSCRIBER GROUP WHITE LIST	United States of America
BRADLEY, Bob	(73) China Academy of Telecommunications	(51) H04L 29/08
(31) 214969	Technology	(11) EP2839628
(32) 23.06.2008	(72) AI, Ming	(21) EP13718741.5
(33) United States of America	ZHAO, Guosheng	(47) 07.10.2020
(51) H04L 29/06	(31) 201010209853	(87) US2013036517
H04L 29/12	(32) 18.06.2010	24.10.2013
H04W 4/08	(33) China	(22) 15.04.2013
H04W 88/04	(51) H04L 29/06	(54) PROVIDING RULE BASED ANALYSIS
H04W 4/00	H04W 4/08	OF CONTENT TO MANAGE
H04W 4/50	H04W 12/08	ACTIVATION OF WEB EXTENSION
H04W 4/70	H04W 4/70	(73) Microsoft Technology Licensing, LLC
(11) EP3059925	(11) EP3396984	(72) CLAUX, David
(21) EP16157201.1	(21) EP18179174.0	SALAMATOV, Andrew
(47) 07.10.2020	(47) 07.10.2020	OULIANKINE, Oleg
(22) 06.04.2011	(22) 19.04.2013	BYRNE, Warren
(54) A METHOD OF MACHINE-TO-	(54) UPDATE OF SECURITY FOR GROUP	BRITO, Carlos
MACHINE COMMUNICATION	BASED FEATURE IN M2M	HENDERSON, Jason
(73) THALES DIS FRANCE SA	(73) NEC Corporation	(31) 201261635398 P
(72) DOLAN, Michael	(72) ZHANG, Xiaowei	201213679175
KANUGOVI, Satish	PRASAD, Anand Raghawa	(32) 19.04.2012
LEMKE, Michael	(31) 2012147983	16.11.2012
BRYSON, Sidney	(32) 29.06.2012	(33) United States of America
(31) 662296	(33) Japan	United States of America
(32) 09.04.2010	(51) H04L 29/06	(51) H04L 29/08
(33) United States of America	H04W 12/00	(11) EP3185512
(51) H04L 29/06	H04W 12/10	(21) EP15834055.4
H04M 1/60	(11) EP2315373	(47) 07.10.2020

(87) CN2015086614 25.02.2016	H04M 17/00	(51) H04L 29/08
(22) 11.08.2015	H04M 17/02	H04W 28/24
(54) METHOD AND DEVICE FOR PROCESSING CONTINUOUS REDIRECTION	H04W 36/00	H04W 4/00
(73) Alibaba Group Holding Limited	H04W 36/22	(11) EP3332561
(72) ZHANG, Yan	H04W 72/04	(21) EP16751761.4
(31) 201410418834	H04W 4/24	(47) 07.10.2020
(32) 22.08.2014	(11) EP3504863	(87) US2016045473
(33) China	(21) EP17758859.7	09.02.2017
(51) H04L 29/08	(47) 07.10.2020	(22) 04.08.2016
(11) EP3493510	(87) EP2017071474	(54) INTERNET OF THINGS END-TO- END SERVICE LAYER QUALITY OF SERVICE MANAGEMENT
(21) EP16912041.7	01.03.2018	(73) Convida Wireless, LLC
(47) 07.10.2020	(22) 25.08.2017	(72) SEED, Dale, N.
(87) CN2016094225	(54) POLICING OF PACKET SWITCHED SERVICES	STARSINIC, Michael, F.
15.02.2018	(73) BlackBerry Limited	CHOYI, Vinod, Kumar
(22) 09.08.2016	(72) BUCKLEY, Adrian	LY, Quang
(54) METHOD, DEVICE AND SYSTEM FOR VIRTUAL MACHINE TO ACCESS PHYSICAL SERVER IN CLOUD COMPUTING SYSTEM	RUSSELL, Nicholas James	SHAH, Yogendra, C.
(73) Huawei Technologies Co., Ltd.	BAKKER, Jan Hendrik Lucas	FLYNN, William, Robert
(72) LI, Junwu	(31) 201662379424 P	RAHMAN, Shamim, Akbar
SHEN, Si	(32) 25.08.2016	CHEN, Zhuo
(51) H04L 29/08	(33) United States of America	(31) 201562200752 P
G10L 21/043	(51) H04L 29/08	(32) 04.08.2015
G10L 25/78	H04W 4/06	(33) United States of America
(11) EP3504861	H04W 36/00	(51) H04M 1/00
(21) EP17762298.2	H04W 36/32	H04M 1/663
(47) 07.10.2020	H04W 88/02	H04M 19/04
(87) US2017048584	H04W 88/16	(11) EP3249899
01.03.2018	H04W 4/029	(21) EP15881448.3
(22) 25.08.2017	H04W 4/40	(47) 07.10.2020
(54) AUDIO TRANSMISSION WITH COMPENSATION FOR SPEECH DETECTION PERIOD DURATION	H04W 76/10	(87) CN2015072522
(73) Google LLC	(11) EP3473040	18.08.2016
(72) KAY, Erik	(21) EP17839885.5	(22) 09.02.2015
LINDBERG, Jonas Erik	(47) 07.10.2020	(54) CALL FORWARDING METHOD AND TERMINAL
LACHAPPELLE, Serge	(87) KR2017008806	(73) Huawei Technologies Co., Ltd.
LUNDIN, Henrik	15.02.2018	(72) JING, Hao
(31) 201615246950	(22) 11.08.2017	GAO, Wenmei
(32) 25.08.2016	(54) V2X COMMUNICATION METHOD AND TERMINAL	QIN, Chao
(33) United States of America	(73) Samsung Electronics Co., Ltd.	GAO, Guangyuan
(51) H04L 29/08	(72) KIM, Sunghoon	TAO, Qiang
H04L 12/715	BAEK, Youngkyo	(51) H04M 1/02
H04L 12/717	LEE, Duckey	(11) EP3291517
(11) EP3560173	LEE, Hoyeon	(21) EP17188558.5
(21) EP17821564.6	(31) 20160102932	(47) 07.10.2020
(47) 07.10.2020	(32) 12.08.2016	(22) 30.08.2017
(87) EP2017083292	(33) Korea (Republic)	(54) DISPLAY SCREEN ASSEMBLY AND MOBILE TERMINAL
28.06.2018	(51) H04L 29/08	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(22) 18.12.2017	H04W 8/00	(72) XIE, Xiangkun
(54) METHOD OF PREPARING A DISTRIBUTED COMMUNICATION NETWORK FOR THE FORWARDING OF A DATA STREAM ACROSS SAID NETWORK	H04W 84/18	(31) 201610794607
(73) Thales	H04W 4/80	201621027986 U
(72) CHEVALLIER, Michel	H04W 76/14	(32) 31.08.2016
DELATTRE, Michel	(11) EP3395085	31.08.2016
ALCOUFFE, Fabien	(21) EP16808596.7	(33) China
(31) 1601840	(47) 07.10.2020	China
(32) 22.12.2016	(87) EP2016079501	(51) H04M 1/02
(33) France	29.06.2017	(11) EP3522504
(51) H04L 29/08	(22) 01.12.2016	(21) EP18208294.1
H04M 15/00	(54) DEVICES, METHODS AND COMPUTER PROGRAM FOR PRODUCING A COMMUNICATION LINK BETWEEN AN INFORMATION SYSTEM OF A VEHICLE AND A MOBILE DEVICE	(47) 07.10.2020
	(73) Volkswagen Aktiengesellschaft	(22) 26.11.2018
	(72) GERLACH, Simon	(54) TERMINAL DISPLAY ASSEMBLY AND MOBILE TERMINAL
	PENSHORN, Gerd	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
	(31) 102015226643	(72) CHENG, Jiao
	(32) 23.12.2015	(31) 201810113053
	(33) Germany	

201820204218 U	(33) China	(73) Bundesdruckerei GmbH
(32) 05.02.2018	(51) H04M 1/725	(72) PEINZE, Franziska
05.02.2018	H04M 3/56	DRESSEL, Olaf
(33) China	G06Q 10/10	VAN DE WYNCKEL, Werner
China	(11) EP1847107	(31) 102014204191
(51) H04M 1/02	(21) EP06710314.3	(32) 07.03.2014
H04M 1/18	(47) 07.10.2020	(33) Germany
H04M 1/22	(87) IB2006000206	(51) H04N 1/54
(11) EP3668066	10.08.2006	H04N 1/62
(21) EP19198909.4	(22) 03.02.2006	(11) EP3086544
(47) 07.10.2020	(54) TERMINAL AND COMPUTER	(21) EP16165418.1
(22) 23.09.2019	PROGRAM PRODUCT FOR	(47) 07.10.2020
(54) CASING ASSEMBLY AND TERMINAL	REPLYING TO AN EMAIL MESSAGE	(22) 14.04.2016
(73) GUANGDONG OPPO MOBILE	USING ONE OF A PLURALITY OF	(54) PRINT DATA GENERATION DEVICE,
TELECOMMUNICATIONS CORP., LTD.	COMMUNICATION METHODS	PRINTING APPARATUS, METHOD OF
(72) Ji, Bin	(73) Nokia Technologies Oy	GENERATING PRINT DATA
LIU, Mengshuai	(72) DEEDS, Douglas	(73) Seiko Epson Corporation
YANG, Zimei	(31) 52320	(72) FUKUDA, Masami
(31) 201822110131 U	(32) 07.02.2005	(31) 2015085675
(32) 14.12.2018	(33) United States of America	(32) 20.04.2015
(33) China	(51) H04M 3/22	(33) Japan
(51) H04M 1/725	H04M 3/42	(51) H04N 5/00
(11) EP2992667	H04M 3/436	H04N 7/24
(21) EP14731362.1	(11) EP3580920	H04N 7/52
(47) 07.10.2020	(21) EP18715659.1	H04N 21/2343
(87) IB2014061031	(47) 07.10.2020	H04N 21/235
06.11.2014	(87) EP2018058458	H04N 21/2368
(22) 27.04.2014	04.10.2018	H04N 21/2389
(54) METHOD OF OPERATING AN RFID-	(22) 03.04.2018	H04N 21/254
ENABLED MOBILE TELEPHONE,	(54) COMMUNICATIONS NETWORK	H04N 21/41
MOBILE TELEPHONE AND	(73) British Telecommunications Public	H04N 21/434
APPLICATION PROGRAM PRODUCT	Limited Company	H04N 21/435
(73) idp invent ag	(72) CLAXTON, Robert	H04N 21/4385
(72) Schütz, Matthias	(31) 17163914	H04N 21/8549
(31) 13166565	(32) 30.03.2017	H04N 19/467
(32) 03.05.2013	(33) European Patent Office (EPO)	(11) EP1779659
(33) European Patent Office (EPO)	(51) H04M 3/42	(21) EP05773404.8
(51) H04M 1/725	H04M 7/00	(47) 07.10.2020
G06F 3/0481	H04W 84/00	(87) IB2005052642
G06F 3/0482	G10L 25/78	23.02.2006
G06F 3/0486	H04L 12/54	(22) 09.08.2005
(11) EP2753053	H04W 4/00	(54) SELECTION OF CONTENT FROM A
(21) EP14150481.1	(11) EP2099253	STREAM OF VIDEO OR AUDIO DATA
(47) 07.10.2020	(21) EP08783986.6	(73) Gracenote Inc.
(22) 08.01.2014	(47) 07.10.2020	(72) NAGORSKI, Igor, A.
(54) Method and apparatus for dynamic	(87) CN2008071995	NESVADBA, Jan, A., D.
display box management	26.02.2009	AARTS, Ronaldus, M.
(73) Samsung Electronics Co., Ltd	(22) 14.08.2008	(31) 04103902
(72) Park, Sun-Young	(54) METHOD FOR VOICE ACTIVITY	(32) 12.08.2004
(31) 20130002127	DETECTION CONTROLLING AND	(33) European Patent Office (EPO)
(32) 08.01.2013	CONTROLLING DEVICE THEREOF	(51) H04N 5/222
(33) Korea (Republic)	(73) Huawei Technologies Co., Ltd.	G06T 7/00
(51) H04M 1/725	(72) LIU, Zhenhua	G06T 7/73
G06F 8/61	(31) 200710076520	G06T 7/80
(11) EP2876869	(32) 17.08.2007	(11) EP3384463
(21) EP13819842.9	(33) China	(21) EP16808927.4
(47) 07.10.2020	(51) H04N 1/00	(47) 07.10.2020
(87) CN2013079089	H04N 1/46	(87) EP2016078007
23.01.2014	(11) EP3114830	08.06.2017
(22) 09.07.2013	(21) EP15710140.3	(22) 17.11.2016
(54) METHOD AND SYSTEM FOR	(47) 07.10.2020	(54) METHOD FOR CALIBRATING THE
INSTALLING APPLICATION	(87) EP2015054572	ORIENTATION OF A CAMERA
(73) Tencent Technology (Shenzhen) Co., Ltd	11.09.2015	MOUNTED TO A VEHICLE
(72) Li, Xiangru	(22) 05.03.2015	(73) Aptiv Technologies Limited
LUO, Xuan	(54) DEVICE AND METHOD FOR	(72) DWORAKOWSKI, Waldemar
(31) 201210250877	OPTICALLY DETECTING A	GONGOLEWSKI, Krzysztof
(32) 19.07.2012	DOCUMENT AND METHOD FOR	DLUGOSZ, Rafal
	FABRICATION OF SAID DEVICE	(31) 15196967

(32) 30.11.2015	(54) LINE BUFFER UNIT FOR IMAGE	(11) EP3211883
(33) European Patent Office (EPO)	PROCESSOR	(21) EP16207204.5
(51) H04N 5/345	(73) Google LLC	(47) 07.10.2020
H04N 5/378	(72) DESAI, Neeti	(22) 02.03.2006
H01L 27/146	MEIXNER, Albert	(54) PLAYLISTS AND BOOKMARKS IN
(11) EP3171408	ZHU, Qiuling	AN INTERACTIVE MEDIA GUIDANCE
(21) EP17150463.2	REDGRAVE, Jason Rupert	APPLICATION SYSTEM
(47) 07.10.2020	SHACHAM, Ofer	(73) Rovi Guides, Inc.
(22) 27.04.2012	FINCHELSTEIN, Daniel Fredric	(72) Radloff, Jon P
(54) STACKED-CHIP IMAGING SYSTEMS	(31) 201514694712	Carroll, Thomas J
(73) Aptina Imaging Corporation	(32) 23.04.2015	Heyner, Mark
(72) SOLHUSVIK, Johannes	(33) United States of America	Carpenter, Kenneth F., Jr
BALES, Tim	(51) H04N 5/374	Gaydou, Danny
(31) 201161537508 P	H04N 5/3745	(31) 658270 P
201213401764	H04N 9/04	667870 P
(32) 21.09.2011	(11) EP2232564	(32) 02.03.2005
21.02.2012	(21) EP08870357.4	01.04.2005
(33) United States of America	(47) 07.10.2020	(33) United States of America
United States of America	(87) US2008085557	United States of America
(51) H04N 5/369	16.07.2009	(51) H04N 5/64
G01J 1/02	(22) 04.12.2008	(11) EP3280135
H01L 27/146	(54) TWO-BY-TWO PIXEL STRUCTURE IN	(21) EP17180961.9
H01L 31/10	AN IMAGING SYSTEM-ON-CHIP	(47) 07.10.2020
(11) EP3341970	(73) Samsung Electronics Co., Ltd.	(22) 12.07.2017
(21) EP16840192.5	(72) SHAH, Joey	(54) DISPLAY DEVICE
(47) 07.10.2020	BLANQUART, Laurent	(73) LG Electronics Inc.
(87) US2016048915	(31) 969302	(72) CHO, Dongwoo
02.03.2017	(32) 04.01.2008	KANG, Hyunjung
(22) 26.08.2016	(33) United States of America	KWAK, Dongyoun
(54) WIDE SPECTRUM OPTICAL SENSOR	(51) H04N 5/3745	KIM, Sanggeol
(73) Artilux Inc.	G06T 3/40	CHOI, Mounghwan
(72) LIU, Han-Din	H04N 9/04	(31) 201662366106 P
NA, Yun-Chung	H04N 9/07	20160112644
CHENG, Szu-Lin	(11) EP3328080	(32) 24.07.2016
CHEN, Shu-Lu	(21) EP17204104.8	01.09.2016
CHEN, Hui-Wen	(47) 07.10.2020	(33) United States of America
LIANG, Che-Fu	(22) 28.11.2017	Korea (Republic)
(31) 201562210946 P	(54) IMAGE PROCESSING METHOD AND	(51) H04N 7/00
201562210991 P	IMAGING APPARATUS	(11) EP2868079
201562211004 P	(73) GUANGDONG OPPO MOBILE	(21) EP13724710.2
201562216344 P	TELECOMMUNICATIONS CORP., LTD.	(47) 07.10.2020
201562217031 P	(72) Wei, Yi	(87) US2013041597
201562251691 P	(31) 201611079031	03.01.2014
201562271386 P	(32) 29.11.2016	(22) 17.05.2013
(32) 27.08.2015	(33) China	(54) VIDEO DECODER, METHOD AND
28.08.2015	(51) H04N 5/44	COMPUTER PROGRAM PRODUCT
28.08.2015	G05B 19/02	THAT PROCESS TILES OF VIDEO
09.09.2015	G08C 23/04	DATA
11.09.2015	(11) EP3367186	(73) Cisco Technology, Inc.
06.11.2015	(21) EP18168074.5	(72) FULDSETH, Arild
28.12.2015	(47) 07.10.2020	(31) 201261666011 P
(33) United States of America	(22) 16.10.2008	201313839850
United States of America	(54) SYSTEM AND METHOD FOR	(32) 29.06.2012
United States of America	INTERACTIVE APPLIANCE CONTROL	15.03.2013
United States of America	(73) Universal Electronics, Inc.	(33) United States of America
United States of America	(72) KOHANEK, Jeffrey	United States of America
United States of America	(31) 967452	(51) H04N 7/14
United States of America	(32) 31.12.2007	(11) EP3213507
(51) H04N 5/369	(33) United States of America	(21) EP15794410.9
G06T 1/60	(51) H04N 5/445	(47) 07.10.2020
H04N 5/91	H04N 7/16	(87) US2015057913
(11) EP3286723	H04N 21/41	06.05.2016
(21) EP16716763.4	H04N 21/431	(22) 29.10.2015
(47) 07.10.2020	H04N 21/472	(54) MODIFYING VIDEO CALL DATA
(87) US2016025385	H04N 21/482	(73) Microsoft Technology Licensing, LLC
27.10.2016	H04N 21/488	(72) TURBELL, Henrik Valdemar
(22) 31.03.2016	G11B 27/10	(31) 201419438
	G11B 27/34	201514596076

(32) 31.10.2014 13.01.2015	(32) 11.11.2016 18.01.2017 27.06.2017	(22) 10.06.2013
(33) United Kingdom United States of America	(33) United States of America United States of America United States of America	(54) IMAGE CODING METHOD, IMAGE DECODING METHOD, IMAGE CODING DEVICE, IMAGE DECODING DEVICE, AND IMAGE CODING AND DECODING APPARATUS
(51) H04N 7/173 G06F 17/00	(51) H04N 19/102	(73) Sun Patent Trust
(11) EP3273684	H04N 19/105	(72) MATSUNOBU, Toru
(21) EP17185378.1	H04N 19/13	NISHI, Takahiro
(47) 07.10.2020	H04N 19/159	SHIBAHARA, Youji
(22) 21.08.2008	H04N 19/176	SASAI, Hisao
(54) MEDIA-BASED RECOMMENDATIONS	H04N 19/30	TANIKAWA, Kyoko
(73) Google LLC	H04N 19/517	SUGIO, Toshiyasu
(72) Jeon, Joon-Hee	H04N 19/573	TERADA, Kengo
Dureau, Vincent	H04N 19/597	(31) 201261664870 P
Benting, Steve Dale	G06T 7/20	(32) 27.06.2012
Lin, Zhenhai	(11) EP2839660	(33) United States of America
Miller, Michael W.	(21) EP13778734.7	(51) H04N 19/12
Patel, Manish G.	(47) 07.10.2020	H04N 19/124
(31) 844883	(87) F12013050418	H04N 19/132
(32) 24.08.2007	24.10.2013	H04N 19/137
(33) United States of America	(22) 16.04.2013	H04N 19/139
(51) H04N 7/24	(54) AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING	H04N 19/177
H03M 13/03	(73) Nokia Technologies Oy	H04N 19/98
H03M 13/29	(72) RUSANOVSKYY, Dmytro	(11) EP3116228
H03M 13/35	HANNUKSELA, Miska Matias	(21) EP15785812.7
H04L 1/00	LAINEMA, Jani	(47) 07.10.2020
H04L 12/70	(31) 201261624902 P	(87) KR2015004457
(11) EP2784964	(32) 16.04.2012	05.11.2015
(21) EP12851568.1	(33) United States of America	(22) 01.05.2015
(47) 07.10.2020	(51) H04N 19/103	(54) METHOD AND DEVICE FOR ADAPTIVELY COMPRESSING IMAGE DATA
(87) KR2012009968	H04N 19/176	(73) Samsung Electronics Co., Ltd.
30.05.2013	H04N 19/52	(72) PARK, Young-o
(22) 23.11.2012	H04N 19/70	CHOI, Kwang-pyo
(54) DEVICE AND METHOD FOR TRANSMITTING/RECEIVING A PACKET IN COMMUNICATION SYSTEM	(11) EP2847996	PARK, Jeong-hoon
(73) Samsung Electronics Co., Ltd.	(21) EP13787534.0	(31) 20140053629
(72) HWANG, Sung-Hee	(47) 07.10.2020	(32) 02.05.2014
PARK, Kyung-Mo	(87) JP2013002932	(33) Korea (Republic)
RHYU, Sung-Ryeul	14.11.2013	(51) H04N 19/13
YANG, Hyun-Koo	(22) 07.05.2013	H04N 19/169
HWANG, Sung-Oh	(54) METHOD OF PERFORMING MOTION VECTOR PREDICTION, ENCODING AND DECODING METHODS, AND APPARATUSES THEREOF	H04N 19/172
(31) 20110123878	(73) Sun Patent Trust	H04N 19/187
20110125885	(72) LIM, Chong Soon	H04N 19/30
20120100522	NAING, Sue Mon Thet	H04N 19/70
(32) 24.11.2011	NISHI, Takahiro	(11) EP2987324
29.11.2011	SASAI, Hisao	(21) EP14723962.8
11.09.2012	SHIBAHARA, Youji	(47) 07.10.2020
(33) Korea (Republic)	SUGIO, Toshiyasu	(87) US2014034523
Korea (Republic)	TANIKAWA, Kyoko	23.10.2014
Korea (Republic)	MATSUNOBU, Toru	(22) 17.04.2014
(51) H04N 9/31	TERADA, Kengo	(54) INDICATION OF CROSS-LAYER PICTURE TYPE ALIGNMENT IN MULTI- LAYER VIDEO CODING
(11) EP3331241	(31) 201261644511 P	(73) Qualcomm Incorporated
(21) EP17198480.0	(32) 09.05.2012	(72) RAPAKA, Krishnakanth
(47) 07.10.2020	(33) United States of America	WANG, Ye-Kui
(22) 26.10.2017	(51) H04N 19/117	CHEN, Jianle
(54) SYSTEM AND METHOD FOR DIGITAL BLACK LEVEL BLENDING	H04N 19/13	KARCZEWICZ, Marta
(73) Christie Digital Systems USA, Inc.	H04N 19/17	(31) 201361813120 P
(72) MOULE, Kevin	H04N 19/61	201414254400
WASILKA, Nick	(11) EP2869554	(32) 17.04.2013
VAN EERD, Peter Anthony	(21) EP13802843.6	16.04.2014
DENISON, Andrew Douglas	(47) 07.10.2020	(33) United States of America
MORRIS, Ryan Thomas	(87) JP2013003635	United States of America
URQUHART, Daniel Thomson	03.01.2014	(51) H04N 19/139
(31) 201662420830 P		H04N 19/176
201715408983		
201715633839		

H04N 19/192	201361904490 P	16.07.2014
H04N 19/46	(32) 25.10.2013	(33) United States of America
H04N 19/52	25.10.2013	United States of America
H04N 19/65	15.11.2013	(51) H04N 19/52
H04N 19/89	(33) United States of America	(11) EP2774375
(11) EP3550841	United States of America	(21) EP12845839.5
(21) EP19171827.9	United States of America	(47) 07.10.2020
(47) 07.10.2020	(51) H04N 19/467	(87) FI2012051070
(22) 11.01.2012	H04N 19/593	10.05.2013
(54) VIDEO ENCODING AND DECODING	H04N 19/70	(22) 02.11.2012
WITH IMPROVED ERROR RESILIENCE	(11) EP2979450	(54) METHOD AND APPARATUS FOR
(73) CANON KABUSHIKI KAISHA	(21) EP14723599.8	VIDEO CODING
(72) GISQUET, Christophe	(47) 07.10.2020	(73) Nokia Technologies Oy
LAROCHE, Guillaume	(87) US2014031728	(72) BICI, Mehmet Oguz
(31) 201100462	02.10.2014	LAINEMA, Jani
(32) 12.01.2011	(22) 25.03.2014	UGUR, Kemal
(33) United Kingdom	(54) INTRA PREDICTION MODES FOR	(31) 201161555703 P
(51) H04N 19/17	LOSSY CODING WHEN TRANSFORM	(32) 04.11.2011
H04N 19/33	IS SKIPPED	(33) United States of America
H04N 19/436	(73) Qualcomm Incorporated	(51) H04N 19/577
H04N 19/50	(72) JOSHI, Rajan Laxman	H04N 19/597
H04N 19/70	SOLE ROJALS, Joel	(11) EP3092805
H04N 19/82	KARCZEWICZ, Marta	(21) EP15703144.4
(11) EP2965514	(31) 201361805094 P	(47) 07.10.2020
(21) EP14712482.0	201361809199 P	(87) US2015010878
(47) 07.10.2020	201361809203 P	16.07.2015
(87) US2014020746	201361809811 P	(22) 09.01.2015
12.09.2014	201361809870 P	(54) BLOCK-BASED ADVANCED RESIDUAL
(22) 05.03.2014	201361810179 P	PREDICTION FOR 3D VIDEO CODING
(54) PARALLEL PROCESSING FOR VIDEO	201361810218 P	(73) Qualcomm Incorporated
CODING	201361843144 P	(72) ZHANG, Li
(73) QUALCOMM Incorporated	201414223874	CHEN, Ying
(72) RAPAKA, Krishnakanth	(32) 25.03.2013	(31) 201461926290 P
LI, Xiang	05.04.2013	201514592633
CHEN, Jianle	05.04.2013	(32) 11.01.2014
WANG, Ye-Kui	08.04.2013	08.01.2015
PU, Wei	08.04.2013	(33) United States of America
(31) 201361773095 P	09.04.2013	United States of America
201361808734 P	09.04.2013	(51) H04N 21/231
201361819494 P	05.07.2013	H04N 21/4402
201414196508	24.03.2014	(11) EP2566177
(32) 05.03.2013	(33) United States of America	(21) EP12182428.8
05.04.2013	United States of America	(47) 07.10.2020
03.05.2013	United States of America	(22) 30.08.2012
04.03.2014	United States of America	(54) Electronic apparatus and method for
(33) United States of America	United States of America	transferring contents on cloud system to
United States of America	United States of America	device connected to DLNA
United States of America	United States of America	(73) Samsung Electronics Co., Ltd.
United States of America	United States of America	(72) Lim, Byung-Soo
(51) H04N 19/174	United States of America	Kim, Jin-Hyoung
(11) EP3036689	(51) H04N 19/51	Lee, Jin-Wook
(21) EP14856657.3	H04N 19/597	(31) 20110087933
(47) 07.10.2020	(11) EP3022928	20120092648
(87) CN2014089483	(21) EP14748047.9	(32) 31.08.2011
30.04.2015	(47) 07.10.2020	23.08.2012
(22) 24.10.2014	(87) US2014047000	(33) Korea (Republic)
(54) METHOD AND APPARATUS FOR	22.01.2015	Korea (Republic)
PROCESSING PICTURE HAVING	(22) 17.07.2014	(51) H04N 21/233
PICTURE HEIGHT NOT EVENLY	(54) BLOCK IDENTIFICATION USING	H04N 21/2389
DIVISIBLE BY SLICE HEIGHT AND/OR	DISPARITY VECTOR IN VIDEO	H04N 21/439
SLICE WIDTH NOT EVENLY DIVISIBLE	CODING	H04N 21/658
BY PIXEL GROUP WIDTH	(73) Qualcomm Incorporated	H04N 21/8358
(73) MediaTek Inc.	(72) ZHANG, Li	G06F 21/16
(72) LEE, Kun-Bin	CHEN, Ying	G10L 19/00
WU, Tung-Hsing	KARCZEWICZ, Marta	(11) EP2782336
CHOU, Han-Liang	(31) 201361847522 P	(21) EP12849962.1
(31) 201361895454 P	201414333084	(47) 07.10.2020
201361895461 P	(32) 17.07.2013	(87) JP2012071567

23.05.2013	United States of America	03.05.2018
(22) 27.08.2012	(51) H04N 21/41	(22) 14.11.2016
(54) INFORMATION PROCESSING DEVICE AND INFORMATION PROCESSING METHOD	H04N 21/43	(54) SYSTEMS AND METHODS FOR CONTROLLING ACCESS TO MEDIA ASSETS USING TWO-FACTOR AUTHENTICATION
(73) Saturn Licensing LLC	H04N 21/436	(73) Rovi Guides, Inc.
(72) NAKAMURA, Hitoshi	H04N 21/8547	(72) SREEKANTH, Harshith, Kumar
(31) 2011250718	(11) EP3316593	DHARWA, Ashwini
(32) 16.11.2011	(21) EP16829633.3	KUMAR, Sourabh
(33) Japan	(47) 07.10.2020	AGARWAL, Sukanya
(51) H04N 21/235	(87) CN2016081328	(31) 201662412144 P
H04N 21/262	02.02.2017	(32) 24.10.2016
H04N 21/435	(22) 06.05.2016	(33) United States of America
H04N 21/84	(54) METHOD AND DEVICE FOR IMPLEMENTING SYNCHRONOUS PLAYING	(51) H04N 21/43
H04N 21/8543	(73) ZTE Corporation	H04N 21/81
G06F 13/00	(72) CAO, Heng	H04N 5/04
H04L 29/08	(31) 201510446537	H04N 5/60
(11) EP3142374	(32) 27.07.2015	H04N 17/04
(21) EP15789636.6	(33) China	H04S 7/00
(47) 07.10.2020	(51) H04N 21/422	(11) EP3549336
(87) JP2015061802	H04N 21/4363	(21) EP17816585.8
12.11.2015	H04N 21/485	(47) 07.10.2020
(22) 17.04.2015	(11) EP3008909	(87) EP2017081043
(54) RECEIVING DEVICE, TRANSMISSION DEVICE, DATA COMMUNICATION METHOD, AND DATA PROCESSING METHOD	(21) EP14740009.7	07.06.2018
(73) Sony Corporation	(47) 07.10.2020	(22) 30.11.2017
(72) YAMAGISHI, Yasuaki	(87) US2014042150	(54) METHOD FOR SYNCHRONISING A FIRST AUDIO SIGNAL AND A SECOND AUDIO SIGNAL
(31) 2014095743	18.12.2014	(73) Sagemcom Broadband SAS
(32) 07.05.2014	(22) 12.06.2014	(72) BOURGOIN, Gilles
(33) Japan	(54) METHODS, SYSTEMS, AND MEDIA FOR CONTROLLING AUDIO OF AN HDMI AUDIO SYSTEM	(31) 1661678
(51) H04N 21/25	(73) Google LLC	(32) 30.11.2016
H04N 21/254	(72) ROBERTS, Eric, Jason	(33) France
H04N 21/258	(31) 201361834518 P	(51) H04N 21/4363
H04N 21/2668	(32) 13.06.2013	H04N 21/439
H04N 21/41	(33) United States of America	G08B 13/16
H04N 21/414	(51) H04N 21/4227	G08B 21/02
H04N 21/422	H04N 21/436	G10L 15/08
H04N 21/43	H04N 21/439	H04N 7/18
H04N 21/485	H04N 21/4788	G10L 17/26
H04N 21/61	H04N 21/61	G10L 25/51
H04N 21/84	H04N 21/63	(11) EP3613045
H04N 21/854	H04N 21/81	(21) EP18740938.8
G06F 1/16	H04M 1/725	(47) 07.10.2020
G09F 9/30	(11) EP3082322	(87) US2018037519
G11B 27/031	(21) EP14869352.6	24.01.2019
H04L 9/08	(47) 07.10.2020	(22) 14.06.2018
H04N 5/63	(87) JP2014006128	(54) METHODS, SYSTEMS, AND MEDIA FOR PROVIDING INFORMATION RELATING TO DETECTED EVENTS
H04N 5/64	18.06.2015	(73) Google LLC
G06F 21/10	(22) 09.12.2014	(72) CHAMPY, Adam
G06F 21/60	(54) TELEPHONE DEVICE, TELEPHONE SYSTEM, AND CONTROL METHOD	(31) 201715656653
(11) EP2973518	(73) Panasonic Intellectual Property Management Co., Ltd.	(32) 21.07.2017
(21) EP14763323.4	(72) FUKUDA, Hikaru	(33) United States of America
(47) 07.10.2020	MATSUO, Hideyuki	(51) H04N 21/44
(87) US2014029467	(31) 2013255336	H04N 19/423
18.09.2014	(32) 10.12.2013	H04N 19/44
(22) 14.03.2014	(33) Japan	H04N 19/61
(54) CASE FOR A DISPLAY DEVICE DISPLAYING DIGITAL IMAGING	(51) H04N 21/4227	(11) EP2873236
(73) Videri Inc.	H04N 21/441	(21) EP13742772.0
(72) TRACHTENBERG, Marc	H04N 21/475	(47) 07.10.2020
GARIEPY, Francois	H04N 21/482	(87) US2013049992
(31) 201361800681 P	G06F 21/62	16.01.2014
201361917067 P	(11) EP3529735	(22) 10.07.2013
(32) 15.03.2013	(21) EP16816019.0	(54) DECODED PICTURE BUFFER SIZE MANAGEMENT
17.12.2013	(47) 07.10.2020	
(33) United States of America	(87) US2016061756	

(73) Cisco Technology, Inc.	(54) DIGITAL MANAGEMENT OF CONTENT	24.10.2013
(72) RODRIGUEZ, Arturo, A. KATTI, Anil, Kumar HWANG, Hsiang-Yeh	ASSETS IN THE CLOUD	(22) 19.04.2013
(31) 201261669679 P 201261670078 P 201261670607 P 201261671726 P	(73) Sony Interactive Entertainment LLC	(54) AUTO DETECTION OF HEADPHONE ORIENTATION
(32) 10.07.2012 10.07.2012 12.07.2012 14.07.2012	(72) PERRY, David TSUJIMOTO, Takuhito SCHULTZ, Paul	(73) Sony Interactive Entertainment Inc.
(33) United States of America United States of America United States of America United States of America	(31) 201514640588 (32) 06.03.2015 (33) United States of America	(72) STAFFORD, Jeffrey Roger OLAND, Jeppe RIMON, Noam
(51) H04N 21/61	(51) H04N 21/854	(31) 201213451451
(11) EP3482568	G06F 3/01	(32) 19.04.2012
(21) EP17752224.0	A63F 13/47	(33) United States of America
(47) 07.10.2020	(11) EP3497674	(51) H04R 1/10
(87) US2017044930 08.02.2018	(21) EP17765228.6	H04R 11/02
(22) 01.08.2017	(47) 07.10.2020	(11) EP3041268
(54) PROVIDING ONLINE MEDIA CONTENT VIA A SATELLITE BROADCAST SYSTEM	(87) FR2017052209 15.02.2018	(21) EP15201842.0
(73) Google LLC	(22) 08.08.2017	(47) 07.10.2020
(72) SRINIVASAN, Arvind ISLES, Adrian ANDERSON, Robert MALHOTRA, Shipra	(54) SYSTEM FOR COMPOSING OR MODIFYING VIRTUAL REALITY SEQUENCES, METHOD OF COMPOSING AND SYSTEM FOR READING SAID SEQUENCES	(22) 22.12.2015
(31) 201662369354 P 201615364164	(73) Atos Integration	(54) AUDIO DRIVER ASSEMBLY, HEADPHONE INCLUDING SUCH AN AUDIO DRIVER ASSEMBLY, AND RELATED METHODS
(32) 01.08.2016 29.11.2016	(72) MORIN, Gabriel DUJARDIN, François	(73) Skullcandy, Inc.
(33) United States of America United States of America	(31) 1657666	(72) TIMOTHY, John NOERTKER, Sam
(51) H04N 21/80 H04N 21/845 H04L 29/06 H04L 29/08 H04W 4/70	(32) 09.08.2016	(31) 201462099024 P 201514960678
(11) EP3396924	(33) France	(32) 31.12.2014
(21) EP18167189.2	(51) H04Q 1/06	07.12.2015
(47) 07.10.2020	H05K 7/14	(33) United States of America United States of America
(22) 13.04.2018	(11) EP3413577	(51) H04R 1/28
(54) REAL-TIME PROCESSING OF IOT DATA	(21) EP18173623.2	H04R 9/02
(73) Hewlett Packard Enterprise Development LP	(47) 07.10.2020	H04R 9/06
(72) Jain, Puneet Kim, Kyu Han	(22) 22.05.2018	(11) EP3383066
(31) 201715582235	(54) COMPUTER NETWORKING INTERCONNECTORS	(21) EP18164190.3
(32) 28.04.2017	(73) Hewlett Packard Enterprise Development LP	(47) 07.10.2020
(33) United States of America	(72) Leigh, Kevin Grady, John Robert Megason, George David	(22) 27.03.2018
(51) H04N 21/8355 G07F 17/32 H04L 29/06 H04L 29/08 G06Q 30/06 G06F 21/10 G06F 21/12	(31) 201715614337	(54) LOUDSPEAKER WITH VIBRATION CONTROL SYSTEM
(11) EP3265944	(32) 05.06.2017	(73) Ask Industries Societa' per Azioni
(21) EP16762261.2	(33) United States of America	(72) SANCISI, Carlo CINANNI, Dario FALCIONI, Andrea
(47) 07.10.2020	(51) H04Q 9/00	(31) 201700034713
(87) US2016021057 15.09.2016	(11) EP3474563	(32) 29.03.2017
(22) 04.03.2016	(21) EP18000705.6	(33) Italy
	(47) 07.10.2020	(51) H04R 1/28
	(22) 30.08.2018	H04R 11/02
	(54) DATA TRANSFER METHOD	H04R 25/00
	(73) Diehl Metering Systems GmbH	(11) EP3051841
	(72) Petkov, Hristo Lautenbacher, Thomas Kauppert, Thomas	(21) EP16153075.3
	(31) 102017009100 102018004828	(47) 07.10.2020
	(32) 28.09.2017	(22) 28.01.2016
	15.06.2018	(54) A RECEIVER HAVING A SUSPENDED MOTOR ASSEMBLY
	(33) Germany Germany	(73) Sonion Nederland B.V.
	(51) H04R 1/10	(72) van Halteren, Aart Zeger Lafort, Adrianus Maria Voss, Rasmus Bolsman, Caspar Titus Tiefenau, Andreas van Hal, Paul Christiaan
	H04R 5/04	(31) 15153247
	(11) EP2839675	(32) 30.01.2015
	(21) EP13777792.6	(33) European Patent Office (EPO)
	(47) 07.10.2020	(51) H04R 1/34
	(87) US2013037373	H04R 1/40
		H04R 3/04

H04R 5/04	(31) 2016002169	(72) LEE, Teck Chee
H04R 27/00	(32) 08.01.2016	LESLIE, Geith Mark Benjamin
H04S 3/00	(33) Japan	DAVIES, Mark Anthony
H04S 7/00	(51) H04R 25/00	TOMBOZA, Edwin
(11) EP3439330	(11) EP2136575	Hill, Toh Onn Desmond
(21) EP18180767.8	(21) EP09163324.8	(31) 201862614482 P
(47) 07.10.2020	(47) 07.10.2020	201816136211
(22) 29.06.2018	(22) 19.06.2009	(32) 07.01.2018
(54) ADJUSTING THE PERCEIVED ELEVATION OF AN AUDIO IMAGE ON A SOLID CINEMA SCREEN	(54) System for measuring maximum stable gain in hearing assistance devices	19.09.2018
(73) Harman International Industries, Incorporated	(73) Starkey Laboratories, Inc.	(33) United States of America
(72) Peace, Paul Wayne	(72) Merks, Ivo Leon Diane Marie Natarajan, Harikrishna P.	United States of America
(31) 201762541503 P	(31) 74518 P	(51) H04W 4/06
201815874818	(32) 20.06.2008	H04W 8/00
(32) 04.08.2017	(33) United States of America	G06Q 10/10
18.01.2018	(51) H04R 25/00	(11) EP3420743
(33) United States of America	(11) EP2396974	(21) EP17708079.3
United States of America	(21) EP09700036.8	(47) 07.10.2020
(51) H04R 3/00	(47) 07.10.2020	(87) US2017018026
H04R 29/00	(87) EP2009051700	31.08.2017
(11) EP3047657	22.05.2009	(22) 16.02.2017
(21) EP14752542.2	(22) 13.02.2009	(54) DETECTING A WIRELESS SIGNAL BASED ON CONTEXT
(47) 07.10.2020	(54) MULTIPART COMPARTMENT FOR A HEARING DEVICE	(73) Microsoft Technology Licensing, LLC
(87) US2014049970	(73) Sonova AG	(72) SANDERS, John R.
26.03.2015	(72) AQUILINA, Paul, C. Li, Li	RISCUTIA, Vlad
(22) 06.08.2014	ELL, Tad, D.	PEACOCK, Andrew J.
(54) SYSTEMS AND METHODS FOR PROTECTING A SPEAKER FROM OVEREXCURSION	(51) H04R 25/00	GRAY, David M.
(73) Cirrus Logic, Inc.	(11) EP3331254	BRENNAN, David J.
(72) OYETUNJI, Samuel	(21) EP17204475.2	(31) 201615054163
(31) 201314032586	(47) 07.10.2020	(32) 26.02.2016
(32) 20.09.2013	(22) 29.11.2017	(33) United States of America
(33) United States of America	(54) CONFIGURATION OF FEEDBACK CANCELATION FOR HEARING AIDS	(51) H04W 4/06
(51) H04R 5/027	(73) Starkey Laboratories, Inc.	H04W 28/02
H04R 5/033	(72) Rosenthal, Joyce	H04L 12/801
H04S 1/00	Merks, Ivo	(11) EP3588991
(11) EP3249948	(31) 201615368118	(21) EP17899415.8
(21) EP15878550.1	(32) 02.12.2016	(47) 07.10.2020
(47) 07.10.2020	(33) United States of America	(87) CN2017107187
(87) CN2015086933	(51) H04S 3/00	13.09.2018
28.07.2016	(11) EP3143779	(22) 21.10.2017
(22) 14.08.2015	(21) EP14781537.7	(54) METHOD AND APPARATUS FOR GENERATING BROADCAST QUEUE, STORAGE MEDIUM, AND ELECTRONIC DEVICE
(54) METHOD AND TERMINAL DEVICE FOR PROCESSING VOICE SIGNAL	(47) 07.10.2020	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(73) HUAWEI TECHNOLOGIES CO., LTD.	(87) EP2014071449	(72) PEI, Runsheng
(72) ZHANG, Qi	19.11.2015	FU, Liangjing
Qi, Na	(22) 07.10.2014	WU, Ruyun
WANG, Tizheng	(54) APPARATUS AND METHOD FOR EDGE FADING AMPLITUDE PANNING	LIN, Zhiyong
(31) 201510030723	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	ZHANG, Jun
(32) 21.01.2015	(72) BORSS, Christian	(31) 201710141037
(33) China	GRILL, Bernhard	(32) 10.03.2017
(51) H04R 5/033	(31) 14168175	(33) China
H04S 7/00	(32) 13.05.2014	(51) H04W 4/06
(11) EP3402223	(33) European Patent Office (EPO)	H04W 28/02
(21) EP16883820.9	(51) H04S 7/00	H04L 12/801
(47) 07.10.2020	(11) EP3509327	H04L 12/851
(87) JP2016088382	(21) EP18214729.8	(11) EP3588993
13.07.2017	(47) 07.10.2020	(21) EP18764488.5
(22) 22.12.2016	(22) 20.12.2018	(47) 07.10.2020
(54) AUDIO PROCESSING DEVICE AND METHOD, AND PROGRAM	(54) METHOD FOR GENERATING CUSTOMIZED SPATIAL AUDIO WITH HEAD TRACKING	(87) CN2018078622
(73) Sony Corporation	(73) Creative Technology Ltd.	13.09.2018
(72) MAGARIYACHI Tetsu		(22) 09.03.2018
MITSUFUJI Yuhki		(54) BROADCAST SENDING METHOD AND TERMINAL
MAENO Yu		(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

(72) FU, Liangjing PEI, Runsheng LIN, Zhiyong WU, Ruyu ZHANG, Jun (31) 201710142289 (32) 10.03.2017 (33) China	(73) Huawei Technologies Co., Ltd. (72) XIONG, Chunshan WU, Yizhuang	(72) GAGE, William Anthony MUKHERJEE, Biswaroop NOVAK, Robert
(51) H04W 4/10 H04W 12/08 H04W 28/02 H04W 48/02 H04W 48/12 H04W 4/90 (11) EP3167659 (21) EP15819095.9 (47) 07.10.2020 (87) KR2015007129 14.01.2016 (22) 09.07.2015 (54) METHOD AND APPARATUS FOR PERFORMING APPLICATION SPECIFIC ACCESS CONTROL IN WIRELESS COMMUNICATION SYSTEM	(51) H04W 4/12 H04W 36/00 H04W 4/90 H04W 76/50 (11) EP3095269 (21) EP14700380.0 (47) 07.10.2020 (87) EP2014050503 16.07.2015 (22) 13.01.2014 (54) METHOD, APPARATUS AND COMPUTER PROGRAM (73) Nokia Solutions and Networks Oy (72) POIKSELKA, Miikka Juhana MUTIKAINEN, Jari	(31) 201313750331 (32) 25.01.2013 (33) United States of America
(51) H04W 8/00 H04W 72/04 H04W 76/14 (11) EP3178270 (21) EP15756252.1 (47) 07.10.2020 (87) SE2015050849 11.02.2016 (22) 05.08.2015 (54) USE OF BLANK SUBFRAMES FOR D2D (73) Telefonaktiebolaget LM Ericsson (publ)	(51) H04W 8/00 H04W 24/10 H04W 48/12 H04W 92/18 H04W 76/14 (11) EP3334195 (21) EP16835111.2 (47) 07.10.2020 (87) JP2016073188 16.02.2017 (22) 05.08.2016 (54) REPORTING OF SIDELINK DIRECT DISCOVERY RESOURCES (73) Sharp Kabushiki Kaisha	(72) SIOMINA, Iana KAZMI, Muhammad (31) 201462034635 P (32) 07.08.2014 (33) United States of America
(73) LG Electronics Inc. (72) LEE, Youngdae KIM, Jaehyun JUNG, Sunghoon LEE, Ki-Dong (31) 201462022200 P (32) 09.07.2014 (33) United States of America	(73) Sharp Kabushiki Kaisha (72) TSUBOI, Hidekazu UEMURA, Katsunari YAMADA, Shohei (31) 2015156694 (32) 07.08.2015 (33) Japan	(51) H04W 8/08 H04W 68/02 H04W 72/04 H04W 92/24 (11) EP3334227 (21) EP15902530.3 (47) 07.10.2020 (87) CN2015088552 09.03.2017 (22) 31.08.2015 (54) PAGING METHOD AND APPARATUS FOR DISTRIBUTED GATEWAY (73) Huawei Technologies Co., Ltd. (72) JIN, Aijin CHEN, Zhongping ZHOU, Han
(51) H04W 4/12 H04W 8/12 H04W 4/70 H04W 76/12 (11) EP3022983 (21) EP14739156.9 (47) 07.10.2020 (87) EP2014065071 22.01.2015 (22) 15.07.2014 (54) METHOD AND TELECOMMUNICATIONS NODE FOR CONTROLLING AN ATTACH STATE OF A USER EQUIPMENT (73) Koninklijke KPN N.V. Nederlandse Organisatie voor toegepast- natuurwetenschappelijk onderzoek TNO	(51) H04W 8/00 H04W 52/02 H04W 4/20 (11) EP3148260 (21) EP16001707.5 (47) 07.10.2020 (22) 02.08.2016 (54) POWER SAVING OF PROXY MOBILE DEVICES IN NEIGHBOR AWARE NETWORK NAN (73) Canon Kabushiki Kaisha	(51) H04W 8/12 (11) EP3373621 (21) EP17159620.8 (47) 07.10.2020 (22) 07.03.2017 (54) ROAMING SOLUTION (73) Telia Company AB (72) Jalkanen, Tero Sarajisto, Tomi
(72) MANCEVSKA, Elena HIEP, Maurice KIPS, Annemieke (31) 13176452 (32) 15.07.2013 (33) European Patent Office (EPO)	(72) AOKI, Hitoshi MOGI, Atsufumi (31) 2015187445 (32) 24.09.2015 (33) Japan	(51) H04W 8/18 H04W 28/14 H04W 88/06 H04W 76/15 H04W 76/20 H04W 76/34 (11) EP3354113 (21) EP16849249.4 (47) 07.10.2020 (87) US2016048248 30.03.2017 (22) 24.08.2016 (54) COMMUNICATION TERMINAL AND METHOD FOR COMMUNICATING DATA (73) Intel IP Corporation (72) DAWID, Herbert SCHOLAND, Tobias SPETH, Michael HELLFAJER, Roland JORDAN, Markus
(51) H04W 4/12 H04W 28/10 H04W 88/18 H04W 76/00 (11) EP3493563 (21) EP16913747.8 (47) 07.10.2020 (87) CN2016096438 01.03.2018 (22) 23.08.2016 (54) METHOD AND NETWORK EQUIPMENT FOR PROCESSING SIGNALS AND INFORMATION	(51) H04W 8/00 H04W 64/00 H04W 84/14 H04W 4/02 H04W 4/21 H04W 76/14 (11) EP3461153 (21) EP18199185.2 (47) 07.10.2020 (22) 24.01.2014 (54) PROXIMITY AND INTEREST DETERMINATION BY A WIRELESS DEVICE (73) BlackBerry Limited	

BOLINTH, Edgar	(21) EP16837864.4	H04W 72/04
(31) 102015116288	(47) 07.10.2020	(11) EP2706779
(32) 25.09.2015	(87) US2016047632	(21) EP13180684.6
(33) Germany	23.02.2017	(47) 07.10.2020
(51) H04W 8/18	(22) 18.08.2016	(22) 16.08.2013
H04W 36/22	(54) METHOD, CLIENT TERMINAL AND	(54) Spectrum determination for operating a
H04W 48/06	SERVER FOR ESTABLISHING	wireless communication system
H04W 84/04	COMMUNICATION	(73) The Boeing Company
H04W 88/02	(73) Alibaba Group Holding Limited	(72) Kumar, Anil
H04W 76/36	(72) WANG, Yaohua	Ayyagari, Arun
(11) EP2417821	(31) 201510511390	(31) 201213604437
(21) EP10761888.6	(32) 19.08.2015	(32) 05.09.2012
(47) 07.10.2020	(33) China	(33) United States of America
(87) KR2010002179	(51) H04W 12/06	(51) H04W 16/14
14.10.2010	H04W 12/08	H04W 48/08
(22) 09.04.2010	G06F 21/10	H04W 56/00
(54) BASE STATION, CORE NETWORK	G06F 21/62	H04W 74/08
ENTITY AND METHOD FOR	(11) EP3326098	(11) EP3420744
PERFORMING ACCESS CONTROL	(21) EP16745319.0	(21) EP17706751.9
(73) Samsung Electronics Co., Ltd.	(47) 07.10.2020	(47) 07.10.2020
(72) LIANG, Huarui	(87) US2016042894	(87) EP2017054019
XU, Lixiang	26.01.2017	31.08.2017
WANG, Hong	(22) 19.07.2016	(22) 22.02.2017
(31) 200910131257	(54) ANONYMOUS APPLICATION	(54) RADIO LINK MONITORING IN LISTEN-
(32) 10.04.2009	WRAPPING	BEFORE-TALK COMMUNICATIONS
(33) China	(73) Citrix Systems, Inc.	(73) Telefonaktiebolaget LM Ericsson (PUBL)
(51) H04W 8/24	(72) HAYTON, Richard	(72) ALRIKSSON, Peter
H04W 72/04	MOMCHILOV, Georgy	SUGIRTHARAJ, David
H04W 76/14	BARTON, Gary	WITTENMARK, Emma
(11) EP3180932	INNES, Andrew	PHAN, Mai-Anh
(21) EP15756256.2	(31) 201514804705	(31) 201662298560 P
(47) 07.10.2020	(32) 21.07.2015	(32) 23.02.2016
(87) SE2015050864	(33) United States of America	(33) United States of America
18.02.2016	(51) H04W 12/08	(51) H04W 16/14
(22) 10.08.2015	H04W 28/16	H04W 74/00
(54) MANAGING UNIDIRECTIONAL	H04W 48/06	H04W 92/20
FREQUENCY CAPABILITY FOR D2D	H04W 4/70	(11) EP3294028
OPERATION	(11) EP2555562	(21) EP15901408.3
(73) Telefonaktiebolaget LM Ericsson (publ)	(21) EP11774369.0	(47) 07.10.2020
(72) SIOMINA, Iana	(47) 07.10.2020	(87) CN2015087409
(31) 201462035681 P	(87) CN2011073278	23.02.2017
(32) 11.08.2014	03.11.2011	(22) 18.08.2015
(33) United States of America	(22) 25.04.2011	(54) DATA TRANSMISSION METHOD,
(51) H04W 12/00	(54) METHOD AND SYSTEM FOR	DEVICE AND SYSTEM
H04W 12/06	CONTROLLING ACCESS OF MACHINE	(73) Huawei Technologies Co., Ltd.
H04W 36/00	TYPE COMMUNICATIONS DEVICES	(72) LI, Xiaocui
H04W 48/16	(73) ZTE Corporation	XU, Kai
H04W 48/20	(72) ZHI, Chunxia	(51) H04W 16/14
H04W 84/12	WU, Hao	H04W 84/18
H04W 88/02	LI, Zhijun	(11) EP2294855
(11) EP3072352	LI, Lanlan	(21) EP09773936.1
(21) EP15786236.8	XIE, Baoguo	(47) 07.10.2020
(47) 07.10.2020	(31) 201010165419	(87) US2009037915
(87) CN2015077609	(32) 30.04.2010	07.01.2010
05.11.2015	(33) China	(22) 23.03.2009
(22) 28.04.2015	(51) H04W 16/14	(54) CORRELATING MULTIPLE
(54) NETWORK CONNECTION METHOD	(11) EP3462763	DETECTIONS OF WIRELESS DEVICES
AND USER EQUIPMENT	(21) EP18207782.6	WITHOUT A UNIQUE IDENTIFIER
(73) Tencent Technology (Shenzhen) Co., Ltd	(47) 07.10.2020	(73) Cisco Technology, Inc.
(72) DING, Haifeng	(22) 04.05.2016	(72) DIENER, Neil, R.
LIANG, Hanyun	(54) METHOD AND NODE FOR OPERATING	SUGAR, Gary, L.
(31) 201410175694	TWO COMMUNICATION SYSTEMS	HART, Brian, Donald
(32) 28.04.2014	(73) Kontron Transportation Austria AG	GUTKIN, Igal
(33) China	(72) JACQUES, Roger	KLOPER, David
(51) H04W 12/02	BOTET, Gil	(31) 164474
H04W 88/02	GRUET, Christophe	(32) 30.06.2008
H04W 76/11	(51) H04W 16/14	(33) United States of America
(11) EP3338422	H04W 28/18	(51) H04W 16/18

H04W 40/12	(47) 07.10.2020	FURBECK, David
H04W 40/20	(87) KR2015008277	BURBIDGE, Richard Charles
H04W 40/24	11.02.2016	(31) 68563010
H04W 64/00	(22) 07.08.2015	(32) 11.01.2010
H04W 84/18	(54) METHOD AND APPARATUS	(33) United States of America
H04W 88/16	FOR TRANSMITTING BUFFER	(51) H04W 28/06
H04L 12/721	STATE REPORT IN WIRELESS	H04W 52/34
H04L 12/733	COMMUNICATION SYSTEM	H04W 84/12
(11) EP3442177	SUPPORTING DEVICE TO DEVICE	H04B 7/0452
(21) EP17185836.8	COMMUNICATION	(11) EP3461021
(47) 07.10.2020	(73) Innovative Technology Lab Co., Ltd	(21) EP18203343.1
(22) 11.08.2017	(72) KWON, Ki Bum	(47) 07.10.2020
(54) METHOD AND ARRANGEMENT FOR	(31) 20140102091	(22) 19.04.2010
OPTIMISING THE LOCATION OF A	(32) 08.08.2014	(54) COMMUNICATION APPARATUSES
NODE IN A MESH NETWORK	(33) Korea (Republic)	AND METHOD
(73) Helvar Oy Ab	(51) H04W 28/02	(73) Sony Corporation
(72) AHOLA, Jukka	H04W 28/08	(72) MORIOKA, Yuichi
VESTERINEN, Matti	H04W 40/24	KIMURA, Ryota
(51) H04W 24/02	H04W 76/14	(31) 2009113869
H04W 84/04	H04W 76/15	(32) 08.05.2009
(11) EP2820913	(11) EP3254493	(33) Japan
(21) EP13710235.6	(21) EP15703067.7	(51) H04W 28/16
(47) 07.10.2020	(47) 07.10.2020	H04W 72/04
(87) US2013028747	(87) EP2015052418	(11) EP3468248
06.09.2013	11.08.2016	(21) EP16918591.5
(22) 01.03.2013	(22) 05.02.2015	(47) 07.10.2020
(54) ADJUSTING RF PARAMETERS	(54) D2D TRAFFIC BALANCING	(87) CN2016102174
OF A FEMTO NODE BASED ON	(73) Telefonaktiebolaget LM Ericsson (publ)	19.04.2018
CAPABILITIES OF NEIGHBORING	(72) THANGARASA, Santhan	(22) 14.10.2016
ACCESS POINTS	KAZMI, Muhammad	(54) COMMUNICATION METHOD AND
(73) Qualcomm Incorporated	SORRENTINO, Stefano	DEVICE
(72) MESHKATI, Farhad	(51) H04W 28/02	(73) GUANGDONG OPPO MOBILE
TOKGOZ, Yeliz	H04W 52/02	TELECOMMUNICATIONS CORP., LTD.
YAVUZ, Mehmet	H04W 68/00	(72) YANG, Ning
NAGARAJA, Sumeeth	H04W 72/04	LIN, Yanan
(31) 201261606212 P	H04W 72/08	TANG, Hai
201313779360	H04W 72/12	(51) H04W 36/00
(32) 02.03.2012	H04W 72/14	(11) EP3493594
27.02.2013	H04W 92/10	(21) EP17919467.5
(33) United States of America	(11) EP3285535	(47) 07.10.2020
United States of America	(21) EP16796317.2	(87) CN2017094775
(51) H04W 24/08	(47) 07.10.2020	31.01.2019
H04W 24/10	(87) JP2016063713	(22) 27.07.2017
H04W 88/02	24.11.2016	(54) RECONFIGURATION METHOD AND
H04W 88/08	(22) 09.05.2016	RELATED PRODUCT
(11) EP3281443	(54) WIRELESS TERMINAL	(73) GUANGDONG OPPO MOBILE
(21) EP16776914.0	(73) Kyocera Corporation	TELECOMMUNICATIONS CORP., LTD.
(47) 07.10.2020	(72) FUJISHIRO, Masato	(72) TANG, Hai
(87) KR2016003719	YAMAZAKI, Chiharu	(51) H04W 36/00
13.10.2016	(31) 201562162166 P	H04W 36/08
(22) 08.04.2016	201562165315 P	H04W 36/20
(54) INTERFERENCE REPORTING	(32) 15.05.2015	H04W 48/12
(73) Samsung Electronics Co., Ltd.	22.05.2015	H04W 4/70
(72) VAN DER VELDE, Himke	(33) United States of America	(11) EP3240310
NOVLAN, Thomas David	United States of America	(21) EP17163852.1
VAN LIESHOUT, Gert Jan	(51) H04W 28/02	(47) 07.10.2020
(31) 201562145859 P	H04W 72/12	(22) 30.03.2017
201512518	(11) EP3550880	(54) CONNECTION TRANSFER HANDLING
(32) 10.04.2015	(21) EP19160653.2	DEVICES
17.07.2015	(47) 07.10.2020	(73) HTC Corporation
(33) United States of America	(22) 11.01.2011	(72) Wu, Chih-Hsiang
United Kingdom	(54) EXPLICIT CONGESTION	(31) 201662316589 P
(51) H04W 24/10	NOTIFICATION BASED RATE	(32) 01.04.2016
H04W 28/02	ADAPTATION USING BINARY	(33) United States of America
H04W 72/02	MARKING IN COMMUNICATION	(51) H04W 36/00
H04W 76/11	SYSTEMS	H04W 36/14
(11) EP3179767	(73) BlackBerry Limited	H04W 36/36
(21) EP15829785.3	(72) ZHAO, Xiaoming	

H04W 48/20	(22) 04.08.2015	(22) 08.10.2015
(11) EP3337236	(54) METHOD, NETWORK DEVICE, AND	(54) WIRELESS HOTSPOT SWITCHING
(21) EP18155410.6	USER EQUIPMENT FOR SECONDARY	METHOD, MOBILE TERMINAL AND
(47) 07.10.2020	BASE STATION HANDOVER	STORAGE MEDIUM
(22) 07.05.2013	(73) Huawei Technologies Co., Ltd.	(73) ZTE Corporation
(54) APPARATUS AND METHOD	(72) DAI, Mingzeng	(72) HAO, Xiaojie
FOR PROCESSING PRIORITY	HUANG, Qufang	FENG, Minchao
INFORMATION IN A WIRELESS	ZHANG, Jian	(31) 201510395889
DEVICE	ZENG, Qinghai	(32) 07.07.2015
(73) BlackBerry Limited	(51) H04W 36/00	(33) China
(72) HOLE, David Philip	H04W 84/04	(51) H04W 36/22
FARNSWORTH, Andrew, J.	H04W 88/06	H04W 48/16
RANGAIAH, Raghavendra, M.	H04W 76/19	H04W 48/18
(31) 201213466993	(11) EP3485694	H04W 72/02
(32) 08.05.2012	(21) EP17838780.9	H04W 88/06
(33) United States of America	(47) 07.10.2020	(11) EP2959727
(51) H04W 36/00	(87) CN2017096946	(21) EP13875990.7
H04W 36/14	15.02.2018	(47) 07.10.2020
H04W 88/06	(22) 10.08.2017	(87) FI2013050202
(11) EP3264822	(54) APPARATUS AND METHODS FOR	28.08.2014
(21) EP17187142.9	CONNECTION MANAGEMENT	(22) 22.02.2013
(47) 07.10.2020	(73) Huawei Technologies Co., Ltd.	(54) METHOD AND APPARATUS FOR
(22) 23.08.2014	(72) TENNY, Nathan Edward	DISTRIBUTING LOAD
(54) EXTENDING EARFCN VALUE RANGE	WANG, Xuelong	(73) Nokia Technologies Oy
IN A GERAN NETWORK	XU, Haibo	(72) KOSKINEN, Jussi-Pekka
(73) Telefonaktiebolaget LM Ericsson (publ)	(31) 201662373859 P	KESKITALO, Ilkka
(72) PERSSON, Claes-Göran	201615363714	KOSKELA, Jarkko
JOHANSSON, Nicklas	(32) 11.08.2016	KAIKKONEN, Jorma
SCHLIWA-BERTLING, Paul	29.11.2016	(51) H04W 40/10
DIACHINA, John Walter	(33) United States of America	H04W 84/18
(31) 201361869414 P	United States of America	(11) EP3494730
201414466556	(51) H04W 36/12	(21) EP17739606.6
(32) 23.08.2013	(11) EP3534646	(47) 07.10.2020
22.08.2014	(21) EP16920732.1	(87) EP2017068311
(33) United States of America	(47) 07.10.2020	08.02.2018
United States of America	(87) CN2016104486	(22) 20.07.2017
(51) H04W 36/00	11.05.2018	(54) RELIABLE REPORTING IN WIRELESS
H04W 36/30	(22) 04.11.2016	MESH NETWORK
H04W 80/10	(54) METHOD AND DEVICE FOR SENDING	(73) Philips Lighting Holding B.V.
H04W 88/06	END MARKER	(72) KAMP, Antonie, Leonardus, Johannes
(11) EP3413622	(73) Huawei Technologies Co., Ltd.	VAN TETRODE, Niels
(21) EP18183938.2	(72) ZHU, Qianghua	GÖRGEN, Daniel, Martin
(47) 07.10.2020	XIONG, Chunshan	ROZENDAAL, Leendert, Teunis
(22) 25.03.2008	(51) H04W 36/14	BLÜM, Martinus, Wilhelmus
(54) HANDOVER APPARATUS AND	H04W 40/34	(31) 16182398
METHOD IN A HETEROGENEOUS	H04W 88/06	16186068
WIRELESS COMMUNICATION SYSTEM	H04W 76/22	(32) 02.08.2016
(73) Samsung Electronics Co., Ltd.	(11) EP3282809	29.08.2016
Industry-Academic Cooperation	(21) EP16776588.2	(33) European Patent Office (EPO)
Foundation, Yonsei University	(47) 07.10.2020	European Patent Office (EPO)
(72) Bae, Eun-Hui	(87) JP2016061303	(51) H04W 40/12
Choi, Sung-Ho	13.10.2016	H04L 12/707
Song, O-Sok	(22) 06.04.2016	H04L 12/721
Lim, Han-Na	(54) TERMINAL DEVICE, PGW, AND TWAG	H04L 12/735
Yeoum, Tae-Sun	(73) SHARP Kabushiki Kaisha	(11) EP3539262
Lee, Jai-Yong	(72) KAWASAKI, Yudai	(21) EP17764964.7
Jung, Hyun-Duk	KUGE, Yoko	(47) 07.10.2020
Kim, Kyung-Min	ARAMOTO, Masafumi	(87) US2017049042
(31) 20070028913	(31) 2015078108	28.06.2018
(32) 23.03.2007	(32) 07.04.2015	(22) 29.08.2017
(33) Korea (Republic)	(33) Japan	(54) ROUTING MULTIPLE DATA STREAMS
(51) H04W 36/00	(51) H04W 36/18	SIMULTANEOUSLY IN WIRELESS
H04W 36/36	H04W 84/12	NETWORKS
(11) EP3316625	(11) EP3322217	(73) Sony Corporation
(21) EP15900028.0	(21) EP15897558.1	(72) ABDALLAH, Ramy
(47) 07.10.2020	(47) 07.10.2020	SAKODA, Kazuyuki
(87) CN2015086057	(87) CN2015091500	(31) 201615387338
09.02.2017	12.01.2017	(32) 21.12.2016

(33) United States of America	(73) LG Electronics Inc.	H04W 52/36
(51) H04W 40/14	(72) LEE, Youngdae	H04W 52/38
H04W 40/24	KIM, Jaehyun	(11) EP3267742
H04W 40/28	JUNG, Sunghoon	(21) EP17183143.1
H04L 12/701	(31) 201462023199 P	(47) 07.10.2020
H04L 12/721	(32) 11.07.2014	(22) 13.08.2010
H04L 12/733	(33) United States of America	(54) TOTAL REMAINING POWER
(11) EP3229528	(51) H04W 48/16	ESTIMATION IN CARRIER
(21) EP17150864.1	(11) EP3516905	AGGREGATION
(47) 07.10.2020	(21) EP18720661.0	(73) BlackBerry Limited
(22) 06.08.2010	(47) 07.10.2020	(72) HEO, Youn Hyoung
(54) METHOD, DEVICE AND SYSTEM FOR	(87) IB2018051996	FONG, Mo-Han
ESTABLISHING ON-DEMAND ROUTE	27.09.2018	XU, Hua
(73) Huawei Technologies Co., Ltd.	(22) 23.03.2018	WEI, Xusheng
(72) LIU, Yongjun	(54) CELL RE-SELECTION MEASUREMENT	EARNSHAW, Andrew Mark
(31) 200910165615	WINDOW IN NEW RADIO	CAI, Zhijun
(32) 06.08.2009	(73) Telefonaktiebolaget LM Ericsson (publ)	(51) H04W 52/14
(33) China	(72) RAMACHANDRA, Pradeepa	H04W 52/22
(51) H04W 40/20	SHEN, Wei	H04W 52/24
H04W 84/00	RUNE, Johan	H04W 52/26
H04W 88/04	SAHLIN, Henrik	H04W 52/28
H04W 4/02	(31) 201762476561 P	H04W 84/12
H04W 4/44	(32) 24.03.2017	(11) EP3448093
H04W 4/46	(33) United States of America	(21) EP17187415.9
(11) EP3665914	(51) H04W 52/02	(47) 07.10.2020
(21) EP18795383.1	(11) EP3550893	(22) 23.08.2017
(47) 07.10.2020	(21) EP19166733.6	(54) SYSTEM AND METHOD FOR
(87) EP2018078885	(47) 07.10.2020	PREDICTION OF TRANSMISSION
20.06.2019	(22) 02.04.2019	POWER IN A WIRELESS
(22) 22.10.2018	(54) POWER SAVING MODES	COMMUNICATION SYSTEM
(54) METHOD FOR COUPLING AN END	(73) NINTENDO CO., LTD.	(73) Advanced Digital Broadcast S.A.
VEHICLE TO A STATIONARY DATA	(72) KUROSE, Sho	(72) Dabrowski, Bartosz
NETWORK, AND SYSTEM FOR	SHOJI, Masahiro	(51) H04W 52/14
CARRYING OUT THE METHOD	SHIBATA, Takayuki	H04W 52/36
(73) Audi AG	YAN, Weiwei	(11) EP3214875
(72) HAUBNER, Florian	TAKEUCHI, Hiroyuki	(21) EP17165757.0
(31) 102017222905	KONDO, Yoshihisa	(47) 07.10.2020
(32) 15.12.2017	MATSUOKA, Masayoshi	(22) 06.01.2012
(33) Germany	IMURA, Yoshitaka	(54) METHODS, APPARATUS AND
(51) H04W 48/04	(31) 2018072322	SYSTEMS FOR HANDLING
H04W 48/16	(32) 04.04.2018	ADDITIONAL POWER BACKOFF
H04W 84/04	(33) Japan	(73) InterDigital Patent Holdings, Inc.
(11) EP3225057	(51) H04W 52/08	(72) HAIM, John W.
(21) EP15862311.6	H04W 52/14	STERN-BERKOWITZ, Janet A.
(47) 07.10.2020	H04W 52/24	TERRY, Stephen E.
(87) CA2015051214	H04W 52/28	COMSA, Virgil
02.06.2016	H04W 52/34	SHIN, Sung-Hyuk
(22) 20.11.2015	H04W 52/36	(31) 201161430903 P
(54) SELECTING A CELLULAR NETWORK	H04W 52/40	201161442095 P
BY A MOBILE DEVICE UPON ITS	(11) EP2742749	201161466899 P
ACTIVATION	(21) EP12751216.8	201161468432 P
(73) BlackBerry Limited	(47) 07.10.2020	201161473635 P
(72) WIRTANEN, Jeffrey William	(87) US2012050465	201161523113 P
ISLAM, Muhammad Khaledul	21.02.2013	(32) 07.01.2011
ZHANG, Yi Hai	(22) 10.08.2012	11.02.2011
(31) 201414555645	(54) METHODS, APPARATUS AND	23.03.2011
(32) 27.11.2014	SYSTEMS FOR POWER CONTROL	28.03.2011
(33) United States of America	AND TIMING ADVANCE	08.04.2011
(51) H04W 48/08	(73) Interdigital Patent Holdings, Inc.	12.08.2011
(11) EP3167660	(72) STERN-BERKOWITZ, Janet, A.	(33) United States of America
(21) EP15819234.4	HAIM, John, W.	United States of America
(47) 07.10.2020	TERRY, Stephen, E.	United States of America
(87) KR2015007246	(31) 201161522834 P	United States of America
14.01.2016	(32) 12.08.2011	United States of America
(22) 13.07.2015	(33) United States of America	United States of America
(54) PERFORMING ACCESS CONTROL	(51) H04W 52/14	(51) H04W 52/14
FOR NETWORK SHARING IN	H04W 52/16	H04W 52/36
WIRELESS COMMUNICATION SYSTEM	H04W 52/34	(11) EP3536051

(21) EP17761611.7	LUO, Tao	RUDOLF, Marian
(47) 07.10.2020	(31) 201662421127 P	PANI, Diana
(87) SE2017050848	201715673350	POITAU, Gwenael
11.05.2018	(32) 11.11.2016	PELLETIER, Ghyslain
(22) 23.08.2017	09.08.2017	TU, Chao-Cheng
(54) ADAPTING RESOURCE ELEMENT	(33) United States of America	(31) 201361863319 P
POWER CONTROL DYNAMIC RANGE	United States of America	201361881843 P
IN DOWNLINK FOR SHORTENED	(51) H04W 56/00	201361882402 P
TRANSMISSION TIME INTERVAL	H04W 74/00	201361882489 P
(73) Telefonaktiebolaget LM Ericsson (Publ)	H04W 74/08	201461933236 P
(72) CALLENDER, Christopher	(11) EP3503664	201461955567 P
EVERAERE, Dominique	(21) EP17922071.0	201461955733 P
RAHMAN, Imadur	(47) 07.10.2020	201461989892 P
KAZMI, Muhammad	(87) CN2017109010	(32) 07.08.2013
(31) 201662418046 P	02.05.2019	24.09.2013
(32) 04.11.2016	(22) 01.11.2017	25.09.2013
(33) United States of America	(54) METHOD AND DEVICE FOR	25.09.2013
(51) H04W 52/34	WIRELESS COMMUNICATION	29.01.2014
(11) EP3065308	(73) GUANGDONG OPPO MOBILE	19.03.2014
(21) EP16152405.3	TELECOMMUNICATIONS CORP., LTD.	19.03.2014
(47) 07.10.2020	(72) TANG, Hai	07.05.2014
(22) 22.01.2016	ZHANG, Zhi	(33) United States of America
(54) RADIO BASE STATION, MOBILE	(31) PCT/CN2017/108121	United States of America
STATION AND METHOD FOR	(32) 27.10.2017	United States of America
DETERMINING TRANSMITTING	(33) World Intellectual Property Office (WIPO)	United States of America
POWER	(51) H04W 56/00	United States of America
(73) NTT DoCoMo, Inc.	H04W 88/08	United States of America
(72) CHEN, Xiaohang	(11) EP3316660	United States of America
LI, Anxin	(21) EP15900776.4	United States of America
JIANG, Huiling	(47) 07.10.2020	(51) H04W 72/12
(31) 201510096634	(87) CN2015086835	(11) EP3338499
(32) 04.03.2015	16.02.2017	(21) EP15756488.1
(33) China	(22) 13.08.2015	(47) 07.10.2020
(51) H04W 52/36	(54) SYNCHRONIZATION METHOD AND	(87) IB2015056287
(11) EP3482588	APPARATUS	23.02.2017
(21) EP17740601.4	(73) Huawei Technologies Co., Ltd.	(22) 18.08.2015
(47) 07.10.2020	(72) WANG, Man	(54) DECREASING FREE-RIDING DATA
(87) US2017041222	OLOFSSON, Henrik	TRAFFIC IN UPLINK SCHEDULING
11.01.2018	QIU, Liwei	(73) Telefonaktiebolaget LM Ericsson (PUBL)
(22) 07.07.2017	(51) H04W 68/00	(72) WANG, Liping
(54) TECHNIQUES FOR SIGNALING A	H04W 88/08	SUN, Ying
TRANSMIT POWER HEADROOM IN A	H04W 88/14	FU, Jing
CONTROL FIELD	H04W 92/14	(51) H04W 72/12
(73) QUALCOMM Incorporated	(11) EP3367747	H04W 74/04
(72) ASTERJADHI, Alfred	(21) EP17210002.6	H04W 74/08
TIAN, Bin	(47) 07.10.2020	H04W 84/12
(31) 201662360302 P	(22) 24.12.2013	(11) EP3340723
201762466341 P	(54) ACCESS NODE, MOBILITY	(21) EP16839135.7
201715643358	MANAGEMENT NETWORK ELEMENT,	(47) 07.10.2020
(32) 08.07.2016	AND PAGING MESSAGE PROCESSING	(87) JP2016073837
02.03.2017	METHOD	02.03.2017
06.07.2017	(73) HUAWEI TECHNOLOGIES CO., LTD.	(22) 15.08.2016
(33) United States of America	(72) YIN, Yu	(54) WIRELESS COMMUNICATION SYSTEM
United States of America	QI, Caixia	AND WIRELESS COMMUNICATION
United States of America	(51) H04W 72/02	METHOD
(51) H04W 56/00	H04W 92/18	(73) Nippon Telegraph And Telephone
H04B 7/04	H04W 76/14	Corporation
(11) EP3539332	(11) EP3031262	(72) KUDO Riichi
(21) EP17807965.3	(21) EP14766017.9	ABEYSEKERA Hirantha Sithira
(47) 07.10.2020	(47) 07.10.2020	MATSUI Munehiro
(87) US2017059849	(87) US2014049985	SHINOHARA Shoko
17.05.2018	12.02.2015	TAKATORI Yasushi
(22) 03.11.2017	(22) 06.08.2014	ICHIKAWA Takeo
(54) DATA AND CONTROL CHANNELS IN	(54) DISTRIBUTED SCHEDULING FOR	MIZOGUCHI Masato
SYNCHRONIZATION BURSTS FOR	DEVICE-TO-DEVICE COMMUNICATION	(31) 2015164099
MILLIMETER WAVE NEW RADIO	(73) Interdigital Patent Holdings, Inc.	(32) 21.08.2015
(73) QUALCOMM Incorporated	(72) MARINIER, Paul	(33) Japan
(72) SUN, Jing	PELLETIER, Benoit	(51) H04W 72/12

H04W 92/12	(21) EP16922727.9	(54) APPARATUSES AND METHODS FOR
(11) EP3383118	(47) 07.10.2020	PERFORMING BEAM RECOVERY
(21) EP15911922.1	(87) CN2016108448	(73) Telefonaktiebolaget LM Ericsson (Publ)
(47) 07.10.2020	07.06.2018	(72) DA SILVA, Icaro L. J.
(87) CN2015100126	(22) 02.12.2016	TIDESTAV, Claes
06.07.2017	(54) RANDOM ACCESS METHOD,	(31) 201762544026 P
(22) 31.12.2015	TERMINAL DEVICE, AND NETWORK	(32) 11.08.2017
(54) DATA TRANSMISSION METHOD AND	DEVICE	(33) United States of America
APPARATUS	(73) GUANGDONG OPPO MOBILE	<hr/>
(73) Huawei Technologies Co., Ltd.	TELECOMMUNICATIONS CORP., LTD.	(51) H04W 88/02
(72) LIN, Bo	(72) TANG, Hai	G06F 3/038
<hr/>	<hr/>	G06F 1/32
(51) H04W 74/00	(51) H04W 74/08	(11) EP3020251
H04W 74/08	H04W 84/12	(21) EP14822709.3
(11) EP3412100	(11) EP3493638	(47) 07.10.2020
(21) EP17703803.1	(21) EP17845846.9	(87) US2014046076
(47) 07.10.2020	(47) 07.10.2020	15.01.2015
(87) IB2017050508	(87) JP2017022859	(22) 10.07.2014
10.08.2017	08.03.2018	(54) MULTI-SENSOR HAND DETECTION
(22) 31.01.2017	(22) 21.06.2017	(73) Facebook, Inc.
(54) RANDOM ACCESS COVERAGE	(54) STATION DEVICE, ACCESS POINT	(72) HUGHES, Charles J.
ENHANCEMENT LEVEL RAMP UP	DEVICE, WIRELESS CONTROL	MAGUIRE, Yael G.
PROCEDURE	METHOD, COMMUNICATION	SHIRINFAR, Shafigh
(73) Telefonaktiebolaget LM Ericsson (publ)	CONTROL METHOD AND PROGRAM	TOKSVIG, Michael John McKenzie
(72) HÖGLUND, Andreas	(73) Sony Corporation	(31) 201313941193
(31) 201662291971 P	(72) AIO, Kosuke	(32) 12.07.2013
(32) 05.02.2016	MORIOKA, Yuichi	(33) United States of America
(33) United States of America	(31) 2016172661	<hr/>
<hr/>	(32) 05.09.2016	(51) H04W 88/02
(51) H04W 74/00	(33) Japan	H04W 76/25
H04W 74/08	<hr/>	H04W 76/30
(11) EP3498028	(51) H04W 74/08	(11) EP3541140
(21) EP17764902.7	H04W 92/10	(21) EP19172689.2
(47) 07.10.2020	H04W 4/70	(47) 07.10.2020
(87) IB2017054872	(11) EP3244685	(22) 08.06.2017
15.02.2018	(21) EP15877094.1	(54) DELAYED ACKNOWLEDGMENT OF
(22) 09.08.2017	(47) 07.10.2020	RRC CONNECTION RELEASE IN
(54) METHOD AND DEVICE FOR	(87) JP2015086471	COVERAGE ENHANCEMENT MODE
RESOURCE SENSING FOR SIDELINK	14.07.2016	(73) HTC Corporation
OPERATION	(22) 28.12.2015	(72) Wu, Chih-Hsiang
(73) Telefonaktiebolaget LM Ericsson (PUBL)	(54) TERMINAL APPARATUS, BASE	(31) 201662347102 P
(72) BELLESCHI, Marco	STATION APPARATUS, WIRELESS	201662367629 P
SORRENTINO, Stefano	COMMUNICATION METHODS, AND	201662401902 P
LU, Qianxi	INTEGRATED CIRCUITS	(32) 08.06.2016
(31) PCT/CN2016/094209	(73) Sharp Kabushiki Kaisha	27.07.2016
(32) 09.08.2016	(72) KATO Yasuyuki	30.09.2016
(33) World Intellectual Property Office (WIPO)	UEMURA, Katsunari	(33) United States of America
<hr/>	YAMADA, Shohei	United States of America
(51) H04W 74/08	TSUBOI, Hidezaku	United States of America
(11) EP2409544	(31) 2015001942	<hr/>
(21) EP10709605.9	(32) 08.01.2015	(51) H04W 88/06
(47) 07.10.2020	(33) Japan	H04B 1/525
(87) US2010026137	<hr/>	(11) EP3518427
23.09.2010	(51) H04W 76/15	(21) EP19152732.4
(22) 04.03.2010	(11) EP3270656	(47) 07.10.2020
(54) REDUCING ACCESS CHANNEL DELAY	(21) EP17189476.9	(22) 21.01.2019
IN A WIRELESS COMMUNICATION	(47) 07.10.2020	(54) WIRELESS COMMUNICATION DEVICE
SYSTEM	(22) 10.05.2013	WITH FREQUENCY PLANNING
(73) GUANGDONG OPPO MOBILE	(54) RADIO COMMUNICATION METHOD,	FOR SPUR AVOIDANCE UNDER
TELECOMMUNICATIONS CORP., LTD.	RADIO COMMUNICATION SYSTEM,	COEXISTENCE OF MULTIPLE
(72) VUKOVIC, Ivan N.,	AND RADIO STATIONS	WIRELESS COMMUNICATION
FILIPOVICH, Igor,	(73) FUJITSU LIMITED	SYSTEMS
KURIO, Kay M.,	(72) OHTA, Yoshiaki	(73) MEDIATEK INC.
(31) 161086 P	(51) H04W 76/19	(72) TSENG, Sheng-Che
709538	(11) EP3666034	HSIEH, Yu-Lin
(32) 18.03.2009	(21) EP18762167.7	HSIEH, Ming-Yu
22.02.2010	(47) 07.10.2020	YEN, Shih-Chieh
(33) United States of America	(87) SE2018050793	TSAI, Jen-Kuei
United States of America	14.02.2019	(31) 201862623578 P
<hr/>	(22) 06.08.2018	201916237740
(51) H04W 74/08		(32) 30.01.2018
(11) EP3503663		

01.01.2019	(22) 19.11.2018	(11) EP3145279
(33) United States of America	(54) METHOD FOR INDUCTIVELY HEATING	(21) EP16183618.4
United States of America	AN INDUCTIVELY HEATABLE	(47) 07.10.2020
(51) H05B 1/02	COOKING VESSEL, TRANSMISSION	(22) 10.08.2016
H05B 3/44	COASTER AND INDUCTION HEATING	(54) A METHOD OF OPERATING LED
(11) EP3560275	COOKER FOR CARRYING OUT THE	LIGHTING SOURCES AND A LED
(21) EP16847600.0	METHOD	LAMP FOR USE WITH SAID METHOD
(47) 07.10.2020	(73) ARPA SASU	(73) OSRAM GmbH
(87) IT2016000301	(72) Jedele, Stéphane	(72) ALFIER, Alberto
28.06.2018	Loeber, Denis	BIZZOTTO, Alessandro
(22) 21.12.2016	(31) 102017220824	(31) UB20153449
(54) HEATING DEVICE	(32) 22.11.2017	(32) 07.09.2015
(73) Tecna S.p.A.	(33) Germany	(33) Italy
(72) LOLLI, Andrea	(51) H05B 6/62	(51) H05B 45/48
(51) H05B 3/06	(11) EP3280225	(11) EP2723148
H05B 3/24	(21) EP16306023.9	(21) EP12818869.5
(11) EP3405001	(47) 07.10.2020	(47) 07.10.2020
(21) EP18172444.4	(22) 05.08.2016	(87) JP2012071478
(47) 07.10.2020	(54) DEFROSTING APPARATUS WITH	07.03.2013
(22) 15.05.2018	LUMPED INDUCTIVE MATCHING	(22) 24.08.2012
(54) METHOD FOR PRODUCING A PTC	NETWORK AND METHODS OF	(54) LED ILLUMINATION DEVICE
HEATING ELEMENT	OPERATION THEREOF	(73) Citizen Watch Co., Ltd.
(73) Eberspächer catem GmbH & Co. KG	(73) NXP USA, Inc.	Citizen Electronics Co., Ltd.
(72) Niederer, Michael	(72) Qiu, Xiaofei	(72) AKIYAMA, Takashi
(31) 102017208253	Scott, James Eric	(31) 2011184243
(32) 16.05.2017	Mongin, Lionel	(32) 26.08.2011
(33) Germany	Simon, Jérémie	(33) Japan
(51) H05B 3/34	Piel, Pierre Marie Jean	(51) H05H 1/24
H05B 3/58	(51) H05B 6/68	H05H 1/46
F16L 53/38	H05B 6/70	(11) EP3547805
(11) EP3497359	(11) EP3657907	(21) EP16922129.8
(21) EP17751576.4	(21) EP19202656.5	(47) 07.10.2020
(47) 07.10.2020	(47) 07.10.2020	(87) JP2016084702
(87) US2017045282	(22) 11.10.2019	31.05.2018
22.02.2018	(54) SOLID-STATE COOKING APPARATUS	(22) 24.11.2016
(22) 03.08.2017	(73) Ampleon Netherlands B.V.	(54) PLASMA GENERATING APPARATUS
(54) WRAPPED HOSE HEATER ASSEMBLY	(72) Tymofieiev, Yevhen	(73) Fuji Corporation
WITH HOT POCKET CONFIGURATION	(31) 2022064	(72) JINDO, Takahiro
(73) Parker-Hannifin Corporation	(32) 23.11.2018	IKEDO, Toshiyuki
(72) AMOS, David	(33) Netherlands	(51) H05K 1/09
HENRY, Ty	(51) H05B 33/08	H05K 1/16
(31) 201662375081 P	(11) EP3471513	H05K 3/20
(32) 15.08.2016	(21) EP18185781.4	H05K 3/38
(33) United States of America	(47) 07.10.2020	(11) EP3064045
(51) H05B 6/02	(22) 12.03.2008	(21) EP14796986.9
H05B 6/06	(54) LIGHTING SYSTEM WITH POWER	(47) 07.10.2020
H05B 6/10	FACTOR CORRECTION CONTROL	(87) US2014063406
H05B 6/36	DATA DETERMINED FROM A PHASE	07.05.2015
H05B 6/44	MODULATED SIGNAL	(22) 31.10.2014
(11) EP3120664	(73) Signify Holding B.V.	(54) METHODS OF TRANSFERRING
(21) EP15765571.3	(72) MELANSON, John, L.	ELECTRICALLY CONDUCTIVE
(47) 07.10.2020	(31) 894295 P	MATERIALS
(87) US2015021297	(32) 12.03.2007	(73) PPG Industries Ohio, Inc.
24.09.2015	(33) United States of America	SI-CAL Technologies, Inc., A Nissha
(22) 18.03.2015	(51) H05B 45/10	Company
(54) DOUBLE-SIDED FLAT INDUCTOR	H05B 45/37	(72) TYLER, Jaye
ASSEMBLY	(11) EP3612007	CHEETHAM, Paul F.
(73) Inductoheat, Inc.	(21) EP18189224.1	BURN, Darren
(72) GOODWIN, John Aaron	(47) 07.10.2020	MCCOLLUM, Gregory J.
RUDNEV, Valery I.	(22) 16.08.2018	(31) 201361898671 P
(31) 201461968657 P	(54) VEHICLE OCCUPANT MONITORING	(32) 01.11.2013
(32) 21.03.2014	SYSTEM AND METHOD	(33) United States of America
(33) United States of America	(73) Visteon Global Technologies, Inc.	(51) H05K 1/09
(51) H05B 6/12	(72) LEES, Mike	H05K 3/10
(11) EP3490340	SPURR, Michael	(11) EP3028548
(21) EP18207010.2	(51) H05B 45/20	(21) EP14772441.3
(47) 07.10.2020	H05B 45/24	(47) 07.10.2020
		(87) IB2014063658

12.02.2015
(22) 03.08.2014
(54) COMPOUND TO FORM ELECTRICAL
TRACKS INTO
(73) Tryonic Ltd
(31) TV20130128
(32) 03.08.2013
(33) Italy

(51) H05K 9/00
(11) EP2943049
(21) EP14868704.9
(47) 07.10.2020
(87) CN2014073401
17.09.2015
(22) 13.03.2014
(54) ELECTRONIC DEVICE
(73) Huawei Device Co., Ltd.
(72) JIN, Linfang
ZOU, Jie
SUN, Hao
YANG, Mingxing

(51) H05K 13/02
H05K 13/04
H05K 13/08
(11) EP3322272
(21) EP15897723.1
(47) 07.10.2020
(87) JP2015069650
12.01.2017
(22) 08.07.2015
(54) COMPONENT MOUNTING MACHINE
AND COMPONENT MOUNTING
ASSEMBLY LINE
(73) FUJI Corporation
(72) YAMAZAKI, Atsushi
IKEDA, Mitsutoshi

(51) H05K 13/04
(11) EP3328179
(21) EP15898893.1
(47) 07.10.2020
(87) JP2015070670
26.01.2017
(22) 21.07.2015
(54) COMPONENT MOUNTING DEVICE
AND NOZZLE REPLACEMENT
METHOD THEREFOR
(73) FUJI Corporation
(72) NISHIYAMA Satoru

(51) H05K 13/04
(11) EP3102016
(21) EP14892529.0
(47) 07.10.2020
(87) JP2014063187
26.11.2015
(22) 19.05.2014
(54) COMPONENT MOUNTING APPARATUS
AND METHOD FOR ARRANGING
COMPONENT MOUNTING APPARATUS
(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) ITO, Kota
TAMAKI, Eiichi

EP3

Voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend conform artikel 52 (1, 6) van de Octrooiwet 1995.

Contains data concerning European patents granted for The Netherlands in which a translation was filed confirm Article 52 par. 1 or 6 of the Patents Act 1995.

(51) A01G 9/20	(73) Trianni, Inc.	MANUFACTURING SACCHARIFIED
A01N 25/34	(72) WABL, Matthias	LIGNOCELLULOSE
B01J 23/66	KILLEEN, Nigel	(73) Meiji Seika Pharma Co., Ltd.
B01J 35/00	(74) ir. J.D. de Zeeuw	Mitsui Chemicals, Inc.
B01J 35/06	(31) 367809 P	(72) YANAI, Hisaaki
C08L 23/00	(32) 26.07.2010	TAMAI, Hiroki
C08L 23/12	(33) United States of America	OSABE, Masami
C09K 11/02	(47) 22.07.2020	YOKOYAMA, Fumikazu
C09K 11/77	(51) A01N 1/02	OKAKURA, Kaoru
D01D 5/08	B01L 3/00	INOUE, Atsushi
D01F 1/07	B01L 7/00	(74) ir. M.F.J.M. Ketelaars c.s.
D01F 1/10	(11) EP3493909	(31) 2011257389
D01F 6/04	(21) EP17768193.9	2012099096
D01F 6/44	(22) 04.08.2017	(32) 25.11.2011
H01L 41/08	(54) SYSTEM AND APPARATUS FOR	24.04.2012
A01N 65/08	AUDITING BIOLOGICAL SAMPLES IN	(33) Japan
A01N 65/28	COLD STORAGE	Japan
A01N 65/36	(73) Kustodian Ltd	(47) 29.07.2020
A01G 22/00	(72) FIONDELLA, Enzo	(51) A23B 7/10
(11) EP3199673	PARKER, Peter	A23L 2/02
(21) EP14902688.2	DUNTON, John	A23L 2/58
(22) 24.09.2014	(74) ir. F.A. Geurts c.s.	A23L 2/68
(54) GREEN-ENERGY ENVIRONMENTAL	(31) 201613484	(11) EP2700323
CONTROL FIBER, MANUFACTURING	(32) 04.08.2016	(21) EP12181045.1
METHOD THEREOF AND FABRIC	(33) United Kingdom	(22) 20.08.2012
MADE THEREFROM	(47) 15.07.2020	(54) Beverage product containing
(73) Huang, Kai-Li	(51) A01N 25/02	anthocyanins and method for the
Chen, Yuan-Te	A01N 25/12	preparation thereof
Chen, Yuan-Jung	A01P 7/04	(73) Purac Biochem N.V.
(72) Huang, Kai-Li	C09K 17/32	(72) van Houwelingen - de Jong, Dirkje
Chen, Yuan-Te	C09K 17/40	Evers, Inge
Chen, Yuan-Jung	A01N 65/00	van Arendonk, Willy Gijsberta Cornelia
(74) ir. W.J.J.M. Kempes	A01N 65/08	Edelman, Marijke Willemien
(47) 05.08.2020	(11) EP3323290	(74) ir. M.F.J.M. Ketelaars c.s.
(51) A01K 9/00	(21) EP16199814.1	(47) 22.07.2020
(11) EP3243378	(22) 21.11.2016	(51) A23C 3/00
(21) EP17169394.8	(54) SOIL CONDITIONING AGENTS	A23C 9/12
(22) 04.05.2017	(73) OGET Innovations GmbH	A23C 9/123
(54) SUCTION DEVICE AND HOLDER FOR	(72) Horváth, András	A23C 9/13
SAME	(74) ir. W.J.J.M. Kempes	A23C 9/142
(73) H I K O GmbH	(47) 01.07.2020	A23L 33/20
(72) Hinterkopf, Martin	(51) A21D 8/04	(11) EP3302075
(74) dr. W.A.H.M. Van Borm	C11D 3/386	(21) EP16728182.3
(31) 102016108580	C12N 1/15	(22) 24.05.2016
102016121642	C12N 1/19	(54) METHODS FOR MAKING SHELF-
(32) 10.05.2016	C12N 1/21	STABLE CULTURED DAIRY
11.11.2016	C12N 9/24	PRODUCTS
(33) Germany	C12N 15/56	(73) Fairlife, LLC
Germany	C12P 19/02	(72) UR-REHMAN, Shakeel
(47) 26.08.2020	C12P 19/14	KOPESKY, Brandon
(51) A01K 67/027	C13K 1/02	DOELMAN, Tim
C07K 16/00	C13K 13/00	(74) ir. J.D. de Zeeuw
C12N 15/85	A23K 20/189	(31) 201562170883 P
(11) EP2597945	(11) EP3342867	(32) 04.06.2015
(21) EP11815063.0	(21) EP18153318.3	(33) United States of America
(22) 26.07.2011	(22) 22.11.2012	(47) 22.07.2020
(54) TRANSGENIC ANIMALS AND	(54) MUTANT XYLANASE,	(51) A23C 13/12
METHODS OF USE	MANUFACTURING METHOD AND	A23G 1/30
	USE THEREFOR, AND METHOD FOR	A23G 1/56

A23G 9/32	COHEN, Jason C.	TALUSKIE, Karen V.
A23J 7/00	FLETCHER, Joshua Nehemiah	(74) ir. F.A. Geurts c.s.
A23L 2/52	ZHOU, Yuqing	(31) 201614988109
A61K 35/20	(74) ir. H.A. Witmans c.s.	(32) 05.01.2016
A23L 33/105	(31) 201462000773 P	(33) United States of America
A23L 33/175	201412840	(47) 15.07.2020
(11) EP1901620	(32) 20.05.2014	(51) A42B 3/04
(21) EP06753297.8	18.07.2014	A42B 3/22
(22) 31.05.2006	(33) United States of America	A42B 3/32
(54) PHOSPHATIDYLSERINE ENRICHED MILK FRACTIONS FOR THE FORMULATION OF FUNCTIONAL FOODS	United Kingdom	A61F 9/06
(73) Arla Foods Amba	(47) 08.07.2020	(11) EP2900100
(72) BURLING, Hans	(51) A23L 29/20	(21) EP13840286.2
ANDERSSON, Ingemar	A23L 29/256	(22) 11.09.2013
SCHNEIDER, Michael	A23L 29/269	(54) ELONGATED GUIDE, AND VISOR REMOVABLY MOUNTABLE THERETO
(74) ir. M.F.J.M. Ketelaars c.s.	(11) EP3256010	(73) 3M Innovative Properties Company
(31) 685527 P	(21) EP16749684.3	(72) DANIELS, Björn
(32) 31.05.2005	(22) 09.02.2016	LILENTHAL, Niklas
(33) United States of America	(54) COMPOSITIONS AND METHODS FOR DUAL-TEXTURE BUBBLE BITS	WIEDERKEHR, Marcus T. R.
(47) 01.07.2020	(73) The Coca-Cola Company	FREJD, Jonas N. A.
(51) A23G 3/34	(72) ZHU, Sheng, Kui	SERNFÄLT, Mats U.
A23G 3/54	WANG, David	JUHLIN, Oskar E.
A23G 4/06	GAO, Fujun	LINDERSTRAND, Arne O.
A23G 4/20	SHAO, Shuyan	STRANDBERG, Stefan G.
(11) EP3282861	GUO, Elsie	(31) 201213627571
(21) EP16719794.6	LIAO, Jianping	(32) 26.09.2012
(22) 12.04.2016	(74) ir. W.J.J.M. Kempes	(33) United States of America
(54) TRANSPARENT HARD COATINGS STABLE UNDER ENVIRONMENTAL CONDITIONS	(31) 201510067802	(47) 01.07.2020
(73) Perfetti Van Melle S.p.A.	(32) 09.02.2015	(51) A43B 3/00
(72) BALDI, Gianni	(33) China	(11) EP3462960
GÜLEN, Isil	(47) 24.06.2020	(21) EP16763034.2
(74) ir. H.A. Witmans c.s.	(51) A24D 3/04	(22) 08.09.2016
(31) UB20150047	A24D 3/06	(54) FOOTWEAR ITEM COMPRISING A DEVICE INCLUDING A TUBE FOR STORING INFORMATION OR AN OBJECT
(32) 14.04.2015	(11) EP2856890	(73) Global Secure SA
(33) Italy	(21) EP12877676.2	(72) SMEYERS, René
(47) 26.08.2020	(22) 30.05.2012	(74) ir. W.J.J.M. Kempes
(51) A23J 3/30	(54) CIGARETTE	(31) 93088
C07K 1/12	(73) Japan Tobacco, Inc.	(32) 30.05.2016
C12P 21/06	(72) MOTODAMARI, Tetsuya	(33) Luxembourg
A23L 33/17	ISHIKAWA, Yoshiaki	(47) 08.07.2020
(11) EP3052641	(74) ir. F.A. Geurts c.s.	(51) A43B 3/00
(21) EP14850828.6	(47) 08.07.2020	A43B 13/20
(22) 07.02.2014	(51) A24F 40/65	(11) EP3389426
(54) MANUFACTURING METHOD FOR A HYDROLYSATE OF ANIMAL PROTEIN	(11) EP2908674	(21) EP17833221.9
(73) Innogy Co. Ltd.	(21) EP13777004.6	(22) 30.03.2017
(72) SUNWOO, Hoon Heui	(22) 09.10.2013	(54) ANTI-SPRAIN SHOCK-ABSORBING BALANCE AIR-CUSHION SHOE
LEE, Ho Young	(54) ELECTRONIC INHALATION DEVICE	(73) Zhejiang Geely Holding Group Co., Ltd.
(74) ir. M.F.J.M. Ketelaars c.s.	(73) Nicoventures Holdings Limited	Zhejiang Geely Automobile Research Institute Co., Ltd.
(31) 20130118518	(72) LORD, Christopher	(72) Li, Shufu
(32) 04.10.2013	(74) ir. W.J.J.M. Kempes	(74) dr. A. Krebs
(33) Korea (Republic)	(31) 201218820	(31) 201610594905
(47) 24.06.2020	(32) 19.10.2012	(32) 25.07.2016
(51) A23L 2/60	(33) United Kingdom	(33) China
A23L 27/30	(47) 22.07.2020	(47) 01.07.2020
A23L 33/20	(51) A24F 47/00	(51) A45C 5/00
(11) EP3154378	(11) EP3402348	G06F 1/16
(21) EP15723751.2	(21) EP17701182.2	H04M 1/02
(22) 18.05.2015	(22) 04.01.2017	H05K 5/02
(54) IMPROVED SWEETENER	(54) AEROSOL DELIVERY DEVICE WITH IMPROVED FLUID TRANSPORT	H05K 7/20
(73) Tate & Lyle Ingredients Americas LLC	(73) RAI Strategic Holdings, Inc.	(11) EP3352541
Tate & Lyle Technology Limited	(72) DAVIS, Michael F.	(21) EP16846312.3
(72) WOODYER, Ryan D.	GARCIA, Ercilia Hernandez	(22) 06.09.2016
BRIDGES, John R.	HUBBARD, Sawyer	(54) HOUSING
	PHILLIPS, Percy D.	
	ROGERS, James William	
	SEARS, Stephen Benson	
	SEBASTIAN, Andries D.	

(73) Toray Industries, Inc.	EGGSHELL, A DOSING UNIT	(73) Essity Hygiene and Health Aktiebolag
(72) HONMA, Masato	SUITABLE FOR SUCH AN APPARATUS,	(72) FALK, Magnus
FUJIOKA, Takashi	A CONTAINER SUITABLE FOR SUCH	DENIS, Yoann
(74) ir. J.C. Volmer c.s.	A DOSING UNIT AND A METHOD	CARLSON, Paul
(31) 2015185990	FOR COOKING AT LEAST ONE EGG	(74) ir. M.F.J.M. Ketelaars c.s.
(32) 18.09.2015	WITH AN EGGSHELL IN SUCH AN	(47) 12.08.2020
(33) Japan	APPARATUS	(51) A61B 1/00
(47) 19.08.2020	(73) Eggciting Products B.V.	A61B 1/018
(51) A47B 46/00	(72) VAN SCHAIK, Sander-Willem	A61B 1/32
A47B 88/00	HANSEN, Edwin Matheus Jozef	A61M 25/00
(11) EP3232859	(74) ir. C.G.C. Veldman-Dijkers	(11) EP3457908
(21) EP15795109.6	(31) 2012689	(21) EP17768336.4
(22) 20.10.2015	2014115	(22) 08.09.2017
(54) LIFTING HARDWARE FOR FURNITURE	(32) 24.04.2014	(54) SYSTEM FOR A MINIMALLY-INVASIVE,
COMPONENTS	13.01.2015	OPERATIVE GASTROINTESTINAL
(73) KESSEBÖHMER HOLDING KG	(33) Netherlands	TREATMENT
(72) STORCK, Holger	Netherlands	(73) Boston Scientific Scimed, Inc.
BROCKSCHMIDT, Friedhelm	(47) 16.09.2020	(72) PISKUN, Gregory
MÖLLER, Thomas	(51) A47J 31/36	(74) ir. A.R. Aalbers
(74) ir. J.C. Volmer c.s.	A47J 31/40	(31) 201615261930
(31) 102014018104	(11) EP2989943	(32) 10.09.2016
(32) 09.12.2014	(21) EP14183083.6	(33) United States of America
(33) Germany	(22) 01.09.2014	(47) 26.08.2020
(47) 19.08.2020	(54) BREWING DEVICE FOR EXTRACTING	(51) A61B 3/00
(51) A47C 1/124	A PORTION CAPSULE	A61B 3/028
A47C 13/00	(73) Eugster/Frisomag AG	A61B 3/032
A47C 17/04	(72) Daniel, Fischer	(11) EP3586722
(11) EP3376905	(74) ir. W.J.J.M. Kempes	(21) EP19170657.1
(21) EP16866867.1	(47) 08.07.2020	(22) 15.11.2006
(22) 09.11.2016	(51) A47J 36/02	(54) VISION TESTING SYSTEM AND
(54) FURNITURE SYSTEM WITH	B65D 1/34	METHOD
RECLINING ASSEMBLY	B65D 77/20	(73) Carl Zeiss Vision Australia Holdings Ltd.
(73) The Lovesac Company	B65D 81/34	(72) Fisher, Scott
(72) NELSON, Shawn D.	H05B 6/64	Freeland, Warwick
UNDERWOOD, David M.	(11) EP3334663	(74) ir. W.J.J.M. Kempes
KUCHLER, Brian	(21) EP16835688.9	(31) 2005906336
(74) ir. J.D. de Zeeuw	(22) 05.08.2016	(32) 15.11.2005
(31) 201562257623 P	(54) MICROWAVE HEATING PACKAGE	(33) Australia
201615342800	WITH POLARIZED SHIELD	(47) 15.07.2020
(32) 19.11.2015	(73) Graphic Packaging International, LLC.	(51) A61B 5/00
03.11.2016	(72) RESURRECCION, Fermin, P. Jr.	A61B 5/042
(33) United States of America	(74) ir. F.A. Geurts c.s.	A61B 6/00
United States of America	(31) 201562282794 P	(11) EP3319521
(47) 15.07.2020	(32) 11.08.2015	(21) EP16736505.5
(51) A47C 7/02	(33) United States of America	(22) 11.07.2016
A47C 7/16	(47) 08.07.2020	(54) SYSTEM FOR VISUALIZING HEART
A47C 7/40	(51) A47K 10/16	ACTIVATION
A47C 11/00	(11) EP2146610	(73) Peacs Investments B.V.
(11) EP3248509	(21) EP08787898.9	(72) VAN DAM, Peter Michael
(21) EP16186794.0	(22) 03.04.2008	VAN DAM, Eelco Mattias
(22) 01.09.2016	(54) ROLL OF ABSORBING PRODUCT	(74) ir. H.A. Witmans c.s.
(54) CHAIR AND METHOD FOR THE	SHEETS OF THE TOILET PAPER TYPE	(31) 201514795670
MANUFACTURING OF A CHAIR	(73) Essity Operations France	(32) 09.07.2015
(73) Yotrio Group Co., Ltd	(72) BARREDO, Donald	(33) United States of America
(72) XIE, Jianping	(74) ir. M.F.J.M. Ketelaars c.s.	(47) 26.08.2020
(74) ir. W.J.J.M. Kempes	(31) 0702685	(51) A61B 5/00
(31) 201620190064 U	(32) 13.04.2007	A61B 5/042
(32) 11.03.2016	(33) France	A61B 18/00
(33) China	(47) 26.08.2020	A61B 18/14
(47) 08.07.2020	(51) A47K 10/42	(11) EP3040042
(51) A47J 29/02	B65H 45/24	(21) EP15202335.4
A47J 31/40	(11) EP3515270	(22) 23.12.2015
H05B 6/80	(21) EP16775529.7	(54) BASKET CATHETER WITH IMPROVED
(11) EP3133963	(22) 20.09.2016	SPINE FLEXIBILITY
(21) EP15715742.1	(54) STACK OF PAPER SHEETS,	(73) Biosense Webster (Israel) Ltd.
(22) 14.04.2015	DISPENSER HAVING SUCH A STACK	(72) WILLIAMS, Stuart
(54) AN APPARATUS FOR COOKING	AND METHOD FOR FORMING SUCH A	TRAN, Paul
AT LEAST ONE EGG WITH AN	STACK	SOLIS, Mario A.

(74) ir. M.F.J.M. Ketelaars c.s.	(47) 29.07.2020	(21) EP13770703.0
(31) 201414587497	(51) A61B 5/145	(22) 03.07.2013
(32) 31.12.2014	A61B 5/1495	(54) CONTRAST AGENT REFERENCE
(33) United States of America	A61B 5/155	INSERT
(47) 29.07.2020	B23P 17/04	(73) General Electric Company
(51) A61B 5/00	G01N 15/06	(72) CARTON, Ann-Katherine
A61B 5/05	G01N 33/00	IODACHE, Razvan
(11) EP2424429	G01N 33/48	PUONG, Sylvie
(21) EP10769405.1	G01N 35/00	MULLER, Serge
(22) 21.04.2010	C12Q 1/68	(74) ir. M.F.J.M. Ketelaars c.s.
(54) IMAGING DEVICE FOR THREE	G16H 40/63	(47) 02.09.2020
DIMENSIONAL ANATOMICAL	(11) EP1883341	(51) A61B 6/00
AND FUNCTIONAL IMAGING AND	(21) EP06748733.0	A61B 6/03
METHODS THEREOF	(22) 24.03.2006	G01T 1/24
(73) Aspect Imaging Ltd.	(54) POINT-OF-CARE FLUIDIC SYSTEMS	G01T 1/29
(72) RAPOPORT, Uri	AND USES THEREOF	G01N 23/04
(74) ir. M.F.J.M. Ketelaars c.s.	(73) Labrador Diagnostics LLC	(11) EP3353575
(31) 172784 P	(72) HOLMES, Elizabeth A.	(21) EP15904829.7
(32) 27.04.2009	ROY, Shaunak	(22) 23.09.2015
(33) United States of America	HOWARD, John	(54) DETERMINING THE ORIENTATION
(47) 23.09.2020	WANG, Chengwang	OF AN EDGE-ON X-RAY DETECTOR
(51) A61B 5/00	GIBBONS, Ian	WITH RESPECT TO THE DIRECTION
A61B 5/145	KEMP, Tim	OF INCOMING X-RAYS
A61B 5/1473	TODD, Chris	(73) Prismatic Sensors AB
A61B 5/1486	ORAL, Ron	(72) SJÖLIN, Martin
(11) EP3050504	ZENG, Shulin	GRÖNBERG, Fredrik
(21) EP14901818.6	FENTON, Jeff	(74) ir. M.F.J.M. Ketelaars c.s.
(22) 22.10.2014	QI, Shize Daniel	(47) 01.07.2020
(54) CONTINUOUS GLUCOSE	(74) dr. W.A.H.M. Van Borm	(51) A61B 17/00
MONITORING SYSTEM AND	(31) 678801 P	A61F 7/00
MONITORING TERMINAL	705489 P	A61F 9/007
(73) Glotalor Medical Inc	717192 P	A61F 9/008
(72) YU, Dongfang	721097 P	A61F 9/009
(74) M. Schmid	(32) 09.05.2005	A61H 5/00
(47) 17.06.2020	05.08.2005	A61H 23/00
(51) A61B 5/00	16.09.2005	A61H 23/02
A61B 5/145	28.09.2005	A61N 1/40
A61B 5/15	(33) United States of America	A61N 2/00
(11) EP3294134	United States of America	A61N 5/06
(21) EP16793637.6	United States of America	A61N 7/00
(22) 13.05.2016	United States of America	A61N 7/02
(54) INSERTER SYSTEM FOR A	(47) 12.08.2020	(11) EP3424558
COMPACT MEDICAL DEVICE AND	(51) A61B 5/15	(21) EP18174794.0
CORRESPONDING METHOD	A61B 5/155	(22) 29.04.2014
(73) Abbott Diabetes Care Inc.	A61B 10/00	(54) SYSTEMS FOR THE TREATMENT OF
(72) PACE, Louis G.	A63H 27/10	EYE CONDITIONS
(74) ir. F.A. Geurts c.s.	B65B 3/00	(73) Alcon Inc.
(31) 201562161787 P	(11) EP3431010	(72) KELLEHER, Brian S.
(32) 14.05.2015	(21) EP18175805.3	GAMBHIR, Kabir
(33) United States of America	(22) 10.03.2015	(74) ir. W.J.J.M. Kempes
(47) 08.07.2020	(54) APPARATUS, SYSTEM AND METHOD	(31) 201361817757 P
(51) A61B 5/00	FOR FILLING CONTAINERS WITH	(32) 30.04.2013
A61B 5/145	FLUIDS	(33) United States of America
G16H 50/20	(73) Tinnus Enterprises, LLC	(47) 22.07.2020
G16H 50/30	(72) MALONE, Joshua	(51) A61B 17/04
(11) EP2903519	(74) dr. W.A.H.M. Van Borm	(11) EP3355804
(21) EP13777248.9	(31) 201461937083 P	(21) EP16852825.5
(22) 01.10.2013	201461942193 P	(22) 03.10.2016
(54) SYSTEM AND METHOD FOR	201414492487	(54) DISTAL ANCHOR APPARATUS FOR
ASSESSING RISK ASSOCIATED WITH	(32) 07.02.2014	MITRAL VALVE REPAIR
A GLUCOSE STATE	20.02.2014	(73) Harpoon Medical, Inc.
(73) F.Hoffmann-La Roche AG	22.09.2014	(72) WILSON, Peter
(72) DUKE, David L.	(33) United States of America	EPSTEIN, Stephen
SONI, Abhishek S.	United States of America	COURNANE, Stephen
(74) drs. C.M.A. Quintelier	United States of America	(74) ir. F.A. Geurts c.s.
(31) 201213645198	(47) 24.06.2020	(31) 201562236225 P
(32) 04.10.2012	(51) A61B 6/00	201662315879 P
(33) United States of America	(11) EP3016591	(32) 02.10.2015

31.03.2016	WOLFSON, David R.	(32) 22.10.2010
(33) United States of America	(74) ir. M.F.J.M. Ketelaars c.s.	20.10.2011
United States of America	(31) 201662338468 P	(33) United States of America
(47) 15.07.2020	(32) 18.05.2016	United States of America
(51) A61B 17/068	(33) United States of America	(47) 09.09.2020
(11) EP3552557	(47) 22.07.2020	(51) A61F 2/08
(21) EP19172025.9	(51) A61B 17/15	(11) EP1858446
(22) 11.01.2013	A61B 17/16	(21) EP06716623.1
(54) TISSUE-AQUISITION DEVICE	A61B 17/17	(22) 16.02.2006
(73) Boston Scientific Scimed, Inc.	A61F 2/46	(54) SECURING ELEMENT
(72) SWOPE, Bretton	(11) EP3520720	(73) Lo, Kokbing
GRUBB, Tyler	(21) EP18171898.2	(72) LO, Kokbing
BALBIERZ, Daniel	(22) 11.05.2018	(74) ir. J.C. Volmer c.s.
PURDY, Craig	(54) INSTRUMENTS FOR IMPLANTING	(31) 1028292
COLE, David	BONE INSERTS	658742 P
(74) ir. A.R. Aalbers	(73) Istituto Ortopedico Rizzoli	(32) 16.02.2005
(31) 201261586657 P	(72) FILARDO, Giuseppe	07.03.2005
(32) 13.01.2012	(74) ir. M.F.J.M. Ketelaars c.s.	(33) Netherlands
(33) United States of America	(31) 201800002438	United States of America
(47) 08.07.2020	(32) 06.02.2018	(47) 22.07.2020
(51) A61B 17/12	(33) Italy	(51) A61F 2/14
A61B 17/42	(47) 29.07.2020	B29D 11/00
(11) EP3253305	(51) A61B 17/3205	B29D 11/02
(21) EP16716360.9	A61B 18/00	(11) EP3457986
(22) 28.03.2016	A61B 18/14	(21) EP17723992.8
(54) SYSTEMS FOR VASCULAR	A61B 90/00	(22) 15.05.2017
OCCLUSION	(11) EP2948075	(54) OPHTHALMOLOGICAL IMPLANT
(73) Boston Scientific Scimed, Inc.	(21) EP14743260.3	(73) HumanOptics AG
(72) SQUIRE, Robert	(22) 23.01.2014	(72) MESSNER, Arthur
MUNSINGER, Joel	(54) SURGICAL SNARE DEVICE	(74) ir. J.C. Volmer c.s.
LARSON, Derek	(73) Boston Scientific Scimed, Inc.	(31) 102016208395
WILLARD, Martin	(72) JACOBS, Charlie	(32) 17.05.2016
CONNOLLY, Joseph	COX, Lanita	(33) Germany
(74) ir. A.R. Aalbers	LYNCH, Brian	(47) 29.07.2020
(31) 201562138508 P	(74) ir. A.R. Aalbers	(51) A61F 2/86
(32) 26.03.2015	(31) 201361755971 P	A61F 2/95
(33) United States of America	(32) 23.01.2013	(11) EP2958527
(47) 22.07.2020	(33) United States of America	(21) EP14754916.6
(51) A61B 17/12	(47) 15.07.2020	(22) 21.02.2014
A61F 2/01	(51) A61B 17/322	(54) DEVICES FOR FORMING AN
A61F 2/24	A61B 90/00	ANASTOMOSIS
(11) EP2967807	(11) EP3302317	(73) Boston Scientific Scimed, Inc.
(21) EP14766197.9	(21) EP16728501.4	(72) BINMOELLER, Kenneth, F.
(22) 13.03.2014	(22) 26.05.2016	BROWN, Peter
(54) TEMPORARY VALVE	(54) POWER OPERATED ROTARY	LEPULU, Keke
(73) VALVE MEDICAL LTD.	EXCISION TOOL	DONOVAN, Ryan
(72) RICHTER, Yoram	(73) Exsurco Medical, Inc.	(74) ir. A.R. Aalbers
WEISZ, Ety	(72) ESAREY, Bernard J.	(31) 201361767577 P
SCHWARZ, Boaz	SUKEY, Jason	(32) 21.02.2013
(74) ir. M.F.J.M. Ketelaars c.s.	WHITED, Jeffrey	(33) United States of America
(31) 201361784742 P	(74) ir. H.J.G. Lips c.s.	(47) 22.07.2020
(32) 14.03.2013	(31) 201514725303	(51) A61F 2/91
(33) United States of America	(32) 29.05.2015	(11) EP2632394
(47) 22.07.2020	(33) United States of America	(21) EP11770627.5
(51) A61B 17/15	(47) 26.08.2020	(22) 05.10.2011
(11) EP3457956	(51) A61B 18/04	(54) BARE METAL STENT WITH DRUG
(21) EP17726451.2	H02M 7/48	ELUTING RESERVOIRS HAVING
(22) 18.05.2017	(11) EP2629689	IMPROVED DRUG RETENTION
(54) ORTHOPAEDIC SURGICAL	(21) EP11835192.3	(73) Cardinal Health Switzerland 515 GmbH
INSTRUMENT SYSTEM FOR	(22) 21.10.2011	(72) CALDARISE, Salvatore, G.
SURGICALLY-PREPARING A	(54) RF GENERATOR SYSTEM FOR	EVENS, Carl, J.
PATIENT'S FEMUR	SURGICAL VESSEL SEALING	(74) ir. H.A. Witmans c.s.
(73) DePuy Ireland Unlimited Company	(73) Bolder Surgical, LLC	(31) 915166
(72) PENNINGER, Charles L.	(72) ROSS, David	(32) 29.10.2010
BARNETT, James E.	HELPER, Joel	(33) United States of America
REEVE, Michael R.	(74) dr. A. Krebs	(47) 01.07.2020
MEGGETT, Phillip R.	(31) 40576110 P	(51) A61F 5/44
CHANEY, Rebecca L.	201113277979	

A61M 25/00	(54) AUTOMATIC DEVICE FOR	(33) United States of America
A61M 39/28	TRANSFERRING FLUID	(47) 29.07.2020
(11) EP2526992	(73) F.Hoffmann-La Roche AG	(51) A61K 9/00
(21) EP12168242.1	(72) YODFAT, Ofer	A61K 31/08
(22) 16.05.2012	GESCHEIT, Illai J.	A61P 3/00
(54) Catheter valve	GESCHEIT, Iddo	A61K 47/10
(73) Profiform AG	(74) drs. C.M.A. Quintelier	(11) EP3261646
(72) Müller, Kurt	(47) 05.08.2020	(21) EP16756280.0
(74) J.M.H. Duyver lic.	(51) A61J 7/00	(22) 24.02.2016
(31) 9122011	B65B 57/00	(54) REDUCTION OF ADIPOSE TISSUE
(32) 27.05.2011	B65B 57/02	(73) Dobak, John, Daniel
(33) Switzerland	B65B 57/10	(72) Dobak, John, Daniel
(47) 29.07.2020	B65B 57/18	(74) ir. M.F.J.M. Ketelaars c.s.
(51) A61F 13/56	B65G 1/137	(31) 201562121927 P
A61F 13/58	G07F 11/44	201562165716 P
(11) EP3510984	G07F 17/00	201514796686
(21) EP17863539.7	(11) EP3248585	(32) 27.02.2015
(22) 29.09.2017	(21) EP17172904.9	22.05.2015
(54) DISPOSABLE DIAPER	(22) 24.05.2017	10.07.2015
(73) Unicharm Corporation	(54) CONTROL APPARATUS	(33) United States of America
(72) SAKAGUCHI, Satoru	(73) JVM Co., Ltd.	United States of America
YAMANAKA, Yasuhiro	(72) KIM, Jun-ho	United States of America
TSUJII, Maki	(74) ir. F.A. Geurts c.s.	(47) 22.07.2020
(74) J.M.H. Duyver lic.	(31) 20160065014	(51) A61K 9/00
(31) 2016212957	(32) 26.05.2016	A61K 31/485
2016231816	(33) Korea (Republic)	A61K 39/395
(32) 31.10.2016	(47) 08.07.2020	A61K 47/26
29.11.2016	(51) A61K 8/00	C07K 16/24
(33) Japan	A61Q 5/00	A61K 47/18
Japan	C08F 220/06	(11) EP3409269
(47) 26.08.2020	C08F 220/10	(21) EP18174400.4
(51) A61G 13/12	C08F 222/10	(22) 07.01.2011
(11) EP3351232	C08L 33/06	(54) STABILIZED FORMULATIONS
(21) EP17194909.2	(11) EP3237470	CONTAINING ANTI-INTERLEUKIN-6
(22) 05.10.2017	(21) EP15800882.1	RECEPTOR (IL-6R) ANTIBODIES
(54) SURGICAL MASK POSITIONING	(22) 30.10.2015	(73) Regeneron Pharmaceuticals, Inc.
SYSTEM	(54) MULTIPHASE POLYMER AS A	(72) DIX, Daniel, B
(73) Le, Peter	THICKENING AND SUSPENDING	GRAHAM, Kenneth, S.
(72) Le, Peter	AGENT	KAMEN, Douglas, E.
(74) ir. C.G.C. Veldman-Dijkers	(73) COATEX	WALSH, Scott, M.
(31) 201715412922	(72) CHAMPAGNE, Clémentine	(74) ir. M.F.J.M. Ketelaars c.s.
(32) 23.01.2017	SUAU, Jean-Marc	(31) 29322710 P
(33) United States of America	MAGNY, Benoît	(32) 08.01.2010
(47) 24.06.2020	BONY, Delphine	(33) United States of America
(51) A61H 1/02	KENSICHER, Yves	(47) 12.08.2020
A63B 21/00	(74) ir. F.A. Geurts c.s.	(51) A61K 9/06
A63B 22/20	(31) 1463229	A61K 49/04
A63B 23/035	(32) 23.12.2014	C08G 63/08
A63B 23/04	(33) France	C08G 63/91
A63B 24/00	(47) 15.07.2020	A61K 47/34
(11) EP2819754	(51) A61K 8/36	(11) EP2691079
(21) EP13735375.1	A61K 8/362	(21) EP12712652.2
(22) 03.07.2013	A61K 8/41	(22) 02.04.2012
(54) EXERCISE DEVICE, SYSTEM AND	A61K 8/46	(54) BIODEGRADABLE COMPOSITIONS
COMPUTER PROGRAM	A61Q 5/08	SUITABLE FOR CONTROLLED
(73) Sampath, Shameem Anthony Carl	A61Q 5/10	RELEASE
(72) Sampath, Shameem Anthony Carl	A61Q 5/12	(73) Ingell Technologies Holding B.V.
(74) J.M.H. Duyver lic.	(11) EP3142637	(72) BRUIN, Peter
(31) 201211899	(21) EP15725209.9	PETIT, Audrey
(32) 04.07.2012	(22) 15.05.2015	LEEJW DE, Mike
(33) United Kingdom	(54) KERATIN TREATMENT	PIEST, Martin
(47) 26.08.2020	FORMULATIONS AND METHODS	MEIJBOOM, Ronald
(51) A61J 1/20	(73) Olaplex, Inc.	(74) drs. J. Renkema
A61J 1/22	(72) PRESSLY, Eric, D.	(31) 11002675
(11) EP2887918	HAWKER, Craig, J.	(32) 31.03.2011
(21) EP12751320.8	(74) dr. W.A.H.M. Van Borm	(33) European Patent Office (EPO)
(22) 22.08.2012	(31) 201461994709 P	(47) 24.06.2020
	(32) 16.05.2014	(51) A61K 9/12

A61K 47/02	A61P 25/08	06021470
(11) EP2547325	(11) EP3334422	06021469
(21) EP11712041.0	(21) EP16747593.8	06024241
(22) 17.03.2011	(22) 29.07.2016	(32) 15.06.2006
(54) SPRAY-PUMPABLE COMPOSITION SUITABLE FOR TOPICAL SKIN APPLICATION	(54) USE OF CANNABIDIOLIC ACID IN THE TREATMENT OF EPILEPSY	12.10.2006
(73) Forte IQ B.V.	(73) GW Research Limited	12.10.2006
(72) WILLEMS, Maria, Margaretha, Martina VAN DE LOCKAND, Petrus, Richardus, Marinus	(72) STOTT, Colin	22.11.2006
MEIJLINK, Peter	JONES, Nicholas	(33) United States of America
(74) drs. P.F.H.M. van Someren c.s.	WILLIAMS, Robin	European Patent Office (EPO)
(31) 2004437	WHALLEY, Benjamin	European Patent Office (EPO)
(32) 19.03.2010	(74) dr. A. Krebs	European Patent Office (EPO)
(33) Netherlands	(31) 201514079	(47) 05.08.2020
(47) 24.06.2020	(32) 10.08.2015	<hr/>
(51) A61K 9/127	(33) United Kingdom	(51) A61K 31/167
A61K 31/7036	(47) 01.07.2020	A61K 31/727
A61P 31/04	(51) A61K 31/13	A61P 13/10
(11) EP3466432	A61K 31/27	(11) EP2661271
(21) EP18203799.4	A61K 31/445	(21) EP12732443.2
(22) 15.05.2015	A61K 31/5377	(22) 05.01.2012
(54) METHODS FOR TREATING PULMONARY NON-TUBERCULOUS MYCOBACTERIAL INFECTIONS	A61K 31/55	(54) METHOD FOR MANUFACTURING COMPOSITION COMPRISING LOCAL ANESTHETIC, HEPARINOID, AND BUFFER
(73) Insmed Incorporated	A61K 45/06	(73) Parsons, C. Lowell
(72) EAGLE, Gina	A61P 25/28	(72) Parsons, C. Lowell
GUPTA, Renu	(11) EP3500306	(74) ir. H.A. Witmans c.s.
(74) ir. W.J.J.M. Kempes	(21) EP17764658.5	(31) 201161430468 P
(31) 201461993439 P	(22) 14.08.2017	(32) 06.01.2011
201462042126 P	(54) TRIPLE COMBINATION OF HISTAMINE-3 RECEPTOR INVERSE AGONISTS, ACETYLCHOLINESTERASE INHIBITORS AND NMDA RECEPTOR ANTAGONIST	(33) United States of America
201462048068 P	(73) Suven Life Sciences Limited	(47) 08.07.2020
201462056296 P	(72) NIROGI, Ramakrishna	<hr/>
(32) 15.05.2014	SHINDE, Anil Karbhari	(51) A61K 31/167
26.08.2014	MOHAMMED, Abdul Rasheed	A61P 25/28
09.09.2014	JAYARAJAN, Pradeep	C07C 217/22
26.09.2014	BHYRAPUNENI, Gopinadh	C07C 217/58
(33) United States of America	JASTI, Venkateswarlu	C07C 235/60
United States of America	(74) dr. A. Krebs	C07C 235/64
United States of America	(31) 201641028165	C07C 251/24
United States of America	(32) 18.08.2016	C07D 209/48
(47) 08.07.2020	(33) India	C07D 265/14
<hr/>	(47) 08.07.2020	C07D 265/36
(51) A61K 31/045	(51) A61K 31/165	C07D 295/088
A61P 31/04	A61K 31/19	(11) EP3323813
(11) EP2826473	A61K 31/195	(21) EP17207865.1
(21) EP13761828.6	A61K 31/35	(22) 22.12.2011
(22) 15.03.2013	A61K 31/40	(54) HISTONE ACETYLTRANSFERASE MODULATORS AND USES THEREOF
(54) ANTIBACTERIAL USE OF PATCHOULOL	A61K 31/4015	(73) The Trustees of Columbia University in the City of New York
(73) Chengdu Huasun Technology Group Inc., Ltd.	A61K 31/4166	(72) Francis, Yitshak
Chengdu University of Traditional Chinese Medicine	A61K 31/53	Fa, Mauro
(72) PENG, Cheng	A61K 31/55	Arancio, Ottavio
WAN, Feng	A61K 38/04	Fiorito, Jole
XIONG, Liang	A61K 38/05	Deng, Shixian
LIN, Dasheng	A61K 45/06	Landry, Donald W.
TANG, Zhengwei	A61P 25/08	Luzac, Michal
(74) ir. H.A. Witmans c.s.	(11) EP2992891	Feng, Yan
(31) 201210069594	(21) EP15156237.8	(74) J.M.H. Duyver lic.
(32) 16.03.2012	(22) 15.06.2007	(31) 201061426033 P
(33) China	(54) PHARMACEUTICAL COMPOSITION COMPRISING BRIVARACETAM AND LACOSAMIDE WITH SYNERGISTIC ANTICONSULSANT EFFECT	201161539697 P
(47) 19.08.2020	(73) UCB Pharma GmbH	201161541706 P
<hr/>	(72) STOEHR, Thomas	(32) 22.12.2010
(51) A61K 31/05	(74) ir. H.A. Witmans c.s.	27.09.2011
A61K 31/192	(31) 813967 P	30.09.2011
A61K 36/185		(33) United States of America
A61K 45/06		United States of America
		United States of America
		(47) 26.08.2020
		<hr/>
		(51) A61K 31/17
		A61K 31/197

A61K 31/198	BARONI, Sergio	(54) NOVEL 5-HT2 ANTAGONISTS
A61K 31/216	(74) J.M.H. Duyver lic.	(73) AnaMar AB
A61K 31/4045	(31) UB20150342	(72) PETERSSON, Lars
A61K 31/417	(32) 26.03.2015	(74) ir. M.F.J.M. Ketelaars c.s.
A61P 27/02	(33) Italy	(31) 15173111
C07C 275/28	(47) 08.07.2020	(32) 22.06.2015
C07C 275/30	(51) A61K 31/365	(33) European Patent Office (EPO)
C07D 209/20	A61K 31/366	(47) 05.08.2020
C07D 233/64	C07C 31/20	(51) A61K 31/42
C07K 5/062	C07C 31/22	A61P 31/04
C07K 5/072	C07C 33/035	C07D 261/08
C07K 5/078	C07C 51/09	(11) EP3468957
(11) EP3078656	C07C 55/02	(21) EP17739696.7
(21) EP16168916.1	C07C 57/13	(22) 12.06.2017
(22) 23.10.2012	C07C 235/08	(54) CRYSTALLINE FORM OF (R)-4-(5-
(54) AMIDE DERIVATIVES OF N-UREA	C07C 235/10	(CYCLOPROPYLETHYNYL)ISOXAZOL-3-
SUBSTITUTED AMINO ACIDS AS	C07D 303/16	YL)-N-HYDROXY-2-METHYL-2-
FORMYL PEPTIDE RECEPTOR LIKE-1	C07D 303/28	(METHYLSULFONYL)BUTANAMIDE AS
(FPRL-1) RECEPTOR MODULATORS	C08G 63/16	AN ANTIBACTERIAL AGENT
(73) ALLERGAN, INC.	C08G 63/52	(73) NOVARTIS AG
(72) Beard, Richard, L.	C08G 63/60	(72) FU, Jiping
Duong, Tien, T.	C08G 69/44	JIANG, Siyi
Donello, John E.	(11) EP3217972	KORDIKOWSKI, Andreas
Viswanath, Veena	(21) EP15859697.3	SWEENEY, Zachary Kevin
Garst, Michael E.	(22) 12.11.2015	(74) J.M.H. Duyver lic.
(74) mr.ir. F.N. Ferro	(54) POLYMERS PREPARED FROM	(31) PCT/CN2016/085694
(31) 201161551772 P	MEVALONOLACTONE AND	(32) 14.06.2016
(32) 26.10.2011	DERIVATIVES	(33) World Intellectual Property Office (WIPO)
(33) United States of America	(73) Visolis, Inc.	(47) 26.08.2020
(47) 01.07.2020	(72) DUGAR, Deepak	(51) A61K 31/422
(51) A61K 31/357	FRIEDBERGER, Tobias	A61P 35/00
A61K 31/58	(74) ir. W.J.J.M. Kempes	C07D 413/14
G01N 33/574	(31) 201462078511 P	C07D 471/04
G01N 33/68	(32) 12.11.2014	(11) EP3529248
(11) EP2997376	(33) United States of America	(21) EP17790813.4
(21) EP14725091.4	(47) 24.06.2020	(22) 18.10.2017
(22) 13.05.2014	(51) A61K 31/404	(54) PHARMACEUTICAL COMPOUNDS
(54) PROGNOSIS AND PREDICTIVE	A61K 31/443	(73) CellCentric Ltd
BIOMARKERS AND BIOLOGICAL	A61K 38/22	(72) PEGG, Neil Anthony
APPLICATIONS THEREOF	A61K 38/39	ONIONS, Stuart Thomas
(73) Institut Gustave Roussy	A61P 11/00	TADDEI, David Michel Adrien
(72) ROBERT, Caroline	(11) EP3139949	SHANNON, Jonathan
BOUSSEMART, Lise	(21) EP15789718.2	PAOLETTA, Silvia
GIRAULT, Isabelle	(22) 08.05.2015	BROWN, Richard James
VAGNER, Stéphane	(54) COMPOSITIONS COMPRISING A VIP-	SMYTH, Don
(74) J.M.H. Duyver lic.	ELP FUSION PROTEIN FOR USE IN	HARBOTTLE, Gareth
(31) 13305603	TREATING CYSTIC FIBROSIS	(74) ir. M.F.J.M. Ketelaars c.s.
(32) 13.05.2013	(73) Phasebio Pharmaceuticals, Inc.	(31) 201617630
(33) European Patent Office (EPO)	(72) ARNOLD, Susan	(32) 18.10.2016
(47) 01.07.2020	BALLANCE, David James	(33) United Kingdom
(51) A61K 31/357	(74) ir. W.J.J.M. Kempes	(47) 19.08.2020
A61P 29/00	(31) 201461990425 P	(51) A61K 31/426
A61Q 19/00	(32) 08.05.2014	A61K 31/428
C07D 319/06	(33) United States of America	A61K 31/4402
C07D 407/04	(47) 29.07.2020	A61P 31/04
(11) EP3274347	(51) A61K 31/415	C07C 233/62
(21) EP16717565.2	A61K 31/4155	C07D 213/50
(22) 23.03.2016	A61K 31/416	C07D 213/53
(54) COMPOUNDS HAVING ANTIOXIDANT	A61P 29/00	C07D 277/24
ACTIVITY AGAINST FREE RADICALS	C07D 231/06	C07D 277/28
AND ANTI-INFLAMMATORY	C07D 231/54	C07D 277/64
ACTIVITY, AND CORRESPONDING	C07D 401/04	C07D 409/12
PHARMACEUTICAL COMPOSITIONS	C07D 403/04	C07D 417/12
FOR SKIN CARE	C07D 405/04	(11) EP3204352
(73) Giuliani S.p.A.	C07D 409/04	(21) EP15849799.0
(72) GIULIANI, Giammaria	(11) EP3310762	(22) 05.10.2015
BENEDUSI, Anna	(21) EP16731871.6	(54) INHIBITORS OF LYSINE GINGIPAIN
MARZANI, Barbara	(22) 22.06.2016	(73) Cortexyme, Inc.

- (72) KONRADI, Andrei
DOMINY, Stephen S.
CRAWFORD LYNCH, Casey
COBURN, Craig
VACCA, Joseph
- (74) ir. M.F.J.M. Ketelaars c.s.
(31) 201462060483 P
(32) 06.10.2014
(33) United States of America
(47) 01.07.2020
-
- (51) A61K 31/437
A61K 31/4439
A61K 31/496
A61K 31/506
A61K 31/519
A61P 35/00
A61P 35/02
C07D 239/42
C07D 401/12
C07D 403/12
C07D 471/04
C07D 487/04
- (11) EP2594567
(21) EP11800049.6
(22) 03.06.2011
- (54) HETEROCYCLIC ALKYNYL BENZENE
COMPOUNDS AND MEDICAL
COMPOSITIONS AND USES THEREOF
- (73) Guangzhou Healthquest Pharma Co.,
Ltd.
- (72) DING, Ke
WANG, Deping
PEI, Duanqing
ZHANG, Zhang
SHEN, Mengjie
LUO, Kun
FENG, Yubing
- (74) ir. W.J.J.M. Kempes
(31) 201010216603
(32) 01.07.2010
(33) China
(47) 29.07.2020
-
- (51) A61K 31/437
A61P 35/00
C07D 471/04
- (11) EP3292123
(21) EP16723225.5
(22) 05.05.2016
- (54) SOLID FORMS OF A COMPOUND
MODULATING KINASES
- (73) Plexxikon Inc.
- (72) IBRAHIM, Prabha, N.
VISOR, Gary, Conrad
- (74) dr. W.A.H.M. Van Borm
(31) 201562157902 P
(32) 06.05.2015
(33) United States of America
(47) 22.07.2020
-
- (51) A61K 31/4412
A61P 35/00
C07D 401/04
C07D 401/14
C07D 407/14
C07D 413/14
- (11) EP3214081
(21) EP15855986.4
(22) 27.08.2015
- (54) ISOINDOLINE DERIVATIVE,
INTERMEDIATE, PREPARATION
METHOD, PHARMACEUTICAL
COMPOSITION AND USE THEREOF
- (73) Kangpu Biopharmaceuticals, Ltd.
- (72) GE, Chuansheng
LEE, Wen-Cherng
LIAO, Baisong
ZHANG, Lei
- (74) ir. W.J.J.M. Kempes
(31) 201410605148
201410632870
(32) 30.10.2014
11.11.2014
(33) China
China
(47) 08.07.2020
-
- (51) A61K 31/4427
A61P 35/00
C07D 235/18
C07D 401/12
C07D 401/14
C07D 403/12
C07D 409/12
- (11) EP3321261
(21) EP17203156.9
(22) 03.01.2012
- (54) HEDGEHOG ANTAGONISTS HAVING
ZINC BINDING MOIETIES
- (73) Genentech, Inc.
Curis, Inc.
- (72) CAI, Xiong
QIAN, Changgeng
ZHAI, Haixiao
- (74) dr. W.A.H.M. Van Borm
(31) 201161429350 P
201161564549 P
(32) 03.01.2011
29.11.2011
(33) United States of America
United States of America
(47) 17.06.2020
-
- (51) A61K 31/4985
A61P 31/14
A61P 31/16
C07D 487/04
- (11) EP3030566
(21) EP14844961.4
(22) 10.09.2014
- (54) 7,8-DIHYDRO-3H-PYRAZINO[1,2-
B]PYRIDAZINE-3,5(6H)-DIONE
COMPOUNDS AND USES THEREOF
- (73) Janssen BioPharma, Inc.
- (72) BEIGELMAN, Leonid
SMITH, David Bernard
STOYCHEVA, Antitsa Dimitrova
HENDRICKS, Robert Than
- (74) ir. W.J.J.M. Kempes
(31) 201361877151 P
201462011784 P
201462031673 P
(32) 12.09.2013
13.06.2014
31.07.2014
(33) United States of America
United States of America
United States of America
(47) 08.07.2020
-
- (51) A61K 31/517
A61K 31/519
A61P 35/00
C07D 403/04
C07D 471/04
C07D 491/048
C07D 491/052
- (11) EP3097092
(21) EP15705122.8
(22) 19.01.2015
- (54) FUSED PYRIMIDINES AS INHIBITORS
OF P97 COMPLEX
- (73) Cleave Biosciences, Inc.
(72) WUSTROW, David
ZHOU, Han-Jie
- (74) J.M.H. Duyver lic.
(31) 201461929382 P
(32) 20.01.2014
(33) United States of America
(47) 26.08.2020
-
- (51) A61K 31/517
A61P 19/02
A61P 27/02
A61P 29/00
A61P 35/00
A61P 35/02
C07D 405/12
- (11) EP3191475
(21) EP15839519.4
(22) 07.09.2015
- (54) CRYSTALLINE FORMS OF 6-((6, 7-
DIMETHOXYQUINAZOLIN-4-YL)OXY)
-N,2-DIMETHYLBENZOFURAN-3-
CARBOXAMIDE
- (73) Hutchison Medipharma Limited
(72) WU, Zhenping
LI, Wenji
CHU, Yuping
- (74) ir. W.J.J.M. Kempes
(31) 201410456350
(32) 10.09.2014
(33) China
(47) 29.07.2020
-
- (51) A61K 31/519
A61P 25/00
A61P 25/18
A61P 25/24
C07D 217/24
C07D 239/90
C07D 471/04
C07D 487/04
C07D 493/04
C07D 495/04
C07D 498/04
C07D 513/04
- (11) EP3386591
(21) EP16820103.6
(22) 09.12.2016
- (54) HETEROAROMATIC NMDA RECEPTOR
MODULATORS AND USES THEREOF
- (73) Cadent Therapeutics, Inc.
(72) ANDERSON, David, R.
VOLKMANN, Robert, A.
MENNITI, Frank, S.
FANGER, Christopher
- (74) drs. C.M.A. Quintelier
(31) 201562265182 P
(32) 09.12.2015

(33) United States of America (47) 24.06.2020	VIRAL, PROTOZOAL, FUNGAL AND/OR MICROBIAL INFECTIONS, PREFERABLY FOR THE TREATMENT OF COMPLICATIONS ARISING FROM CYSTIC FIBROSIS	(32) 12.11.2004 (33) United States of America (47) 15.07.2020
(51) A61K 31/554 A61P 25/08 (11) EP3356337 (21) EP16777751.5 (22) 28.09.2016 (54) TRICYCLIC DIBENZOTHAZEPINE TYPE COMPOUNDS FOR USE IN THE THERAPY OF CDKL5 DISORDER	(73) Linde GmbH (72) MURPHY, Paul JAFRI, Syed SCHMEHL, Wolfgang (31) 14165681 (32) 23.04.2014 (33) European Patent Office (EPO) (47) 01.07.2020	(51) A61K 38/00 A61L 17/00 A61L 31/00 A61L 31/04 A61L 31/14 A61P 7/04 (11) EP3470093 (21) EP18181282.7 (22) 06.10.2009 (54) TISSUE PLUG (73) 3-D Matrix Ltd. (72) TAKAMURA, Kentaro GOJO, Satoshi KOBAYASHI, Satoru (74) dr. W.A.H.M. Van Borm (31) 2008259860 2008316133 (32) 06.10.2008 11.12.2008 (33) Japan Japan (47) 19.08.2020
(73) Healx Limited (72) CAVALLA, David (74) dr. W.A.H.M. Van Borm (31) 201517133 (32) 28.09.2015 (33) United Kingdom (47) 24.06.2020	(51) A61K 33/06 A61K 33/10 A61L 27/36 A61P 19/02 A61K 35/63 (11) EP2944314 (21) EP14737496.1 (22) 13.01.2014 (54) PREPARATION FOR TREATING ARTHRITIS AND ARTHROSIS	(73) 3-D Matrix Ltd. (72) TAKAMURA, Kentaro GOJO, Satoshi KOBAYASHI, Satoru (74) dr. W.A.H.M. Van Borm (31) 2008259860 2008316133 (32) 06.10.2008 11.12.2008 (33) Japan Japan (47) 19.08.2020
(51) A61K 31/7048 A61P 31/04 C07H 17/08 (11) EP3412678 (21) EP18167730.3 (22) 22.01.2008 (54) MACROCYCLIC POLYMORPHS, COMPOSITIONS COMPRISING SUCH POLYMORPHS, AND METHODS OF USE AND MANUFACTURE THEREOF	(73) Obshestvo S Ogranichennoj Otvetstvennostju "PARAFARM" (72) STRUKOV, VILLORIJ Ivanovich PROKHOROV, Mikhail Dmitrievich JONES-STRUKOVA, Olga TRIFONOV, Vjacheslav Nikolaevich ELISTRATOVA, Julija Anatolievna ELISTRATOV, Konstantin Gennadievich KURUS`, Natal'ja Vjacheslavovna EREMINA, Natalya Vyacheslavovna MAKSIMOVA, Marina Nikolaevna GALEEVA, Ramziya Timurshovna RADCHENKO, Larisa Grigorievna FEDOROV, Aleksandr Viktorovich KRUTYAKOV, Evgeny Nikolaevich ANDREEVA, Elena Stanislavovna ELISTRATOVA, Tatiana Viktorovna KHOMYAKOVA, Irina Vladimirovna TOLBINA, Galina Anatolievna	(73) 3-D Matrix Ltd. (72) TAKAMURA, Kentaro GOJO, Satoshi KOBAYASHI, Satoru (74) dr. W.A.H.M. Van Borm (31) 2008259860 2008316133 (32) 06.10.2008 11.12.2008 (33) Japan Japan (47) 19.08.2020
(73) Merck Sharp & Dohme Corp. (72) CHIU, Yu-Hung CHE, Tessie, Mary ROMERO, Alex ICHIKAWA, Yoshi SHUE, Youe-Kong (74) ir. H.A. Witmans c.s. (31) 881950 P 831886 (32) 22.01.2007 31.07.2007 (33) United States of America United States of America (47) 19.08.2020	(51) A61K 33/06 A61K 33/10 A61L 27/36 A61P 19/02 A61K 35/63 (11) EP2944314 (21) EP14737496.1 (22) 13.01.2014 (54) PREPARATION FOR TREATING ARTHRITIS AND ARTHROSIS	(73) 3-D Matrix Ltd. (72) TAKAMURA, Kentaro GOJO, Satoshi KOBAYASHI, Satoru (74) dr. W.A.H.M. Van Borm (31) 2008259860 2008316133 (32) 06.10.2008 11.12.2008 (33) Japan Japan (47) 19.08.2020
(51) A61K 31/713 C12N 15/113 (11) EP3274456 (21) EP16712085.6 (22) 24.03.2016 (54) RNA INTERFERENCE MEDIATED THERAPY FOR NEURODEGENERATIVE DISEASES	(73) Obshestvo S Ogranichennoj Otvetstvennostju "PARAFARM" (72) STRUKOV, VILLORIJ Ivanovich PROKHOROV, Mikhail Dmitrievich JONES-STRUKOVA, Olga TRIFONOV, Vjacheslav Nikolaevich ELISTRATOVA, Julija Anatolievna ELISTRATOV, Konstantin Gennadievich KURUS`, Natal'ja Vjacheslavovna EREMINA, Natalya Vyacheslavovna MAKSIMOVA, Marina Nikolaevna GALEEVA, Ramziya Timurshovna RADCHENKO, Larisa Grigorievna FEDOROV, Aleksandr Viktorovich KRUTYAKOV, Evgeny Nikolaevich ANDREEVA, Elena Stanislavovna ELISTRATOVA, Tatiana Viktorovna KHOMYAKOVA, Irina Vladimirovna TOLBINA, Galina Anatolievna	(73) 3-D Matrix Ltd. (72) TAKAMURA, Kentaro GOJO, Satoshi KOBAYASHI, Satoru (74) dr. W.A.H.M. Van Borm (31) 2008259860 2008316133 (32) 06.10.2008 11.12.2008 (33) Japan Japan (47) 19.08.2020
(73) Università Degli Studi Di Trento (72) COVELLO, Giuseppina DENTI, Michela Alessandra SIVA, Kavitha (74) J.M.H. Duyver lic. (31) TO20150185 (32) 25.03.2015 (33) Italy (47) 24.06.2020	(51) A61K 38/00 A61K 38/37 C07K 14/755 A61K 47/60 (11) EP3130601 (21) EP16186901.1 (22) 14.11.2005 (54) SITE-DIRECTED MODIFICATION OF FVIII	(73) 3-D Matrix Ltd. (72) TAKAMURA, Kentaro GOJO, Satoshi KOBAYASHI, Satoru (74) dr. W.A.H.M. Van Borm (31) 2008259860 2008316133 (32) 06.10.2008 11.12.2008 (33) Japan Japan (47) 19.08.2020
(51) A61K 33/00 A61P 11/00 (11) EP3134094 (21) EP15720035.3 (22) 23.04.2015 (54) DEVICE FOR THE TREATMENT OF, TREATMENT OF COMPLICATIONS ARISING FROM, AND/OR PREVENTION OF RESPIRATORY DISORDERS CAUSED BY BACTERIAL,	(74) ir. W.J.J.M. Kempes (31) 2013100994 (32) 11.01.2013 (33) Russian Federation (47) 02.09.2020	(73) 3-D Matrix Ltd. (72) TAKAMURA, Kentaro GOJO, Satoshi KOBAYASHI, Satoru (74) dr. W.A.H.M. Van Borm (31) 2008259860 2008316133 (32) 06.10.2008 11.12.2008 (33) Japan Japan (47) 19.08.2020
(51) A61K 33/00 A61P 11/00 (11) EP3134094 (21) EP15720035.3 (22) 23.04.2015 (54) DEVICE FOR THE TREATMENT OF, TREATMENT OF COMPLICATIONS ARISING FROM, AND/OR PREVENTION OF RESPIRATORY DISORDERS CAUSED BY BACTERIAL,	(51) A61K 38/00 A61K 38/37 C07K 14/755 A61K 47/60 (11) EP3130601 (21) EP16186901.1 (22) 14.11.2005 (54) SITE-DIRECTED MODIFICATION OF FVIII	(73) 3-D Matrix Ltd. (72) TAKAMURA, Kentaro GOJO, Satoshi KOBAYASHI, Satoru (74) dr. W.A.H.M. Van Borm (31) 2008259860 2008316133 (32) 06.10.2008 11.12.2008 (33) Japan Japan (47) 19.08.2020
(51) A61K 33/00 A61P 11/00 (11) EP3134094 (21) EP15720035.3 (22) 23.04.2015 (54) DEVICE FOR THE TREATMENT OF, TREATMENT OF COMPLICATIONS ARISING FROM, AND/OR PREVENTION OF RESPIRATORY DISORDERS CAUSED BY BACTERIAL,	(73) Bayer HealthCare LLC (72) PAN, Clark Q. MURPHY, John E. MEI, Baisong STRAUSS, Jonathan S. TJANDRA, Hendri CHEN, Jianmin BARNETT, Thomas TANG, Liang WANG, Deqian (74) ir. W.J.J.M. Kempes (31) 627277 P	(73) 3-D Matrix Ltd. (72) TAKAMURA, Kentaro GOJO, Satoshi KOBAYASHI, Satoru (74) dr. W.A.H.M. Van Borm (31) 2008259860 2008316133 (32) 06.10.2008 11.12.2008 (33) Japan Japan (47) 19.08.2020

02.05.2012	(47) 24.06.2020	Hansen, Scott, G.
(33) United States of America	(51) A61K 39/00	(74) J.M.H. Duyver lic.
United States of America	A61P 35/00	(31) 334976 P
(47) 05.08.2020	C07K 16/18	376911 P
(51) A61K 38/17	C07K 16/28	PCT/US2011/029930
A61P 19/02	C07K 16/46	(32) 14.05.2010
(11) EP3260128	(11) EP3383425	25.08.2010
(21) EP17183045.8	(21) EP16808971.2	25.03.2011
(22) 28.04.2011	(22) 02.12.2016	(33) United States of America
(54) MEDICAL USE OF SOLUBLE CD24	(54) BIPARATOPIIC POLYPEPTIDES	United States of America
(73) Oncolmmune, Inc.	ANTAGONIZING WNT SIGNALING IN	World Intellectual Property Office (WIPO)
(72) ZHENG, Xincheng	TUMOR CELLS	(47) 01.07.2020
LIU, Yang	(73) Boehringer Ingelheim International	(51) A61K 39/395
WU, Wei	GmbH	A61P 37/00
ZHENG, Pan	(72) ZINZALLA, Vittoria	C07K 14/705
(74) ir. M.F.J.M. Ketelaars c.s.	KUENKELE, Klaus-Peter	C07K 16/18
(31) 329078 P	BUYSE, Marie-Ange	C07K 16/40
(32) 28.04.2010	CROMIE, Karen	C12N 9/16
(33) United States of America	STAELENS, Stephanie	G01N 33/573
(47) 29.07.2020	STRUBBE, Beatrijs	(11) EP2877494
(51) A61K 38/22	(74) ir. F.A. Geurts c.s.	(21) EP13823022.2
A61K 38/33	(31) 15197999	(22) 23.07.2013
G01N 33/564	(32) 04.12.2015	(54) PTPRS AND PROTEOGLYCANS IN
G01N 33/68	(33) European Patent Office (EPO)	AUTOIMMUNE DISEASE
(11) EP3417292	(47) 15.07.2020	(73) La Jolla Institute for Allergy and
(21) EP17791441.3	(51) A61K 39/04	Immunology
(22) 10.10.2017	A61P 35/00	(72) BOTTINI, Nunzio
(54) METHODS FOR DETERMINING	A61P 37/04	STANFORD, Stephanie
WHETHER A PATIENT IS LIKELY TO	A61K 35/74	(74) ir. M.F.J.M. Ketelaars c.s.
BENEFIT FROM TREATMENT WITH A	(11) EP2571979	(31) 201261674853 P
THERAPEUTIC FORMULATION	(21) EP11832218.9	201261675036 P
(73) Iconic Intellectual Property Limited	(22) 13.10.2011	201361832688 P
(72) MCINTOSH, Deirdre Patricia	(54) BACTERIAL RIBONUCLEIC ACID CELL	(32) 23.07.2012
HAQ, Syed Ebadat	WALL COMPOSITIONS AND METHODS	24.07.2012
(74) ir. F.A. Geurts c.s.	OF MAKING AND USING THEM	07.06.2013
(31) 201617175	(73) Telesta Therapeutics IP Inc.	(33) United States of America
(32) 10.10.2016	(72) PHILLIPS, Nigel C.	United States of America
(33) United Kingdom	KE, Danbing	United States of America
(47) 24.06.2020	HOLAN, Zdenek Richard	(47) 15.07.2020
(51) A61K 39/00	FILION, Mario C.	(51) A61K 49/00
A61K 39/395	ELRAFIH, Mohamed	C07C 309/49
(11) EP3054976	VELJI, Iqubal	C09B 11/12
(21) EP14853023.1	(74) ir. W.J.J.M. Kempes	C09B 11/20
(22) 10.10.2014	(31) 393589 P	(11) EP3274000
(54) USE OF SEMAPHORIN-4D BINDING	392498 P	(21) EP16734450.6
MOLECULES FOR TREATMENT OF	(32) 15.10.2010	(22) 25.05.2016
ATHEROSCLEROSIS	13.10.2010	(54) DYE MOLECULE AND DYE
(73) Vaccinex, Inc.	(33) United States of America	PREPARATIONS, IN PARTICULAR
(72) ZAUDERER, Maurice	United States of America	FOR USE IN SURGICAL METHODS OF
(74) ir. W.J.J.M. Kempes	(47) 24.06.2020	OPHTHALMIC SURGERY AND FOR
(31) 201361889421 P	(51) A61K 39/29	DYEING PROTEINS
(32) 10.10.2013	A61P 31/12	(73) AL.CHI.MI.A. S.r.l.
(33) United States of America	A61P 35/00	(72) BECCARO, Mauro
(47) 08.07.2020	C12N 15/33	BETTINI, Enrico
(51) A61K 39/00	C12N 15/869	SIGNORI, Paolo
A61K 39/395	(11) EP3351636	(74) J.M.H. Duyver lic.
C07K 16/28	(21) EP17205199.7	(31) UB20150864
(11) EP3345928	(22) 16.05.2011	(32) 26.05.2015
(21) EP18152578.3	(54) RECOMBINANT HCMV AND	(33) Italy
(22) 08.07.2016	RHCMV VECTORS ENCODING A	(47) 15.07.2020
(54) HUMAN CD3 BINDING ANTIBODY	HETEROLOGOUS ANTIGEN ISOLATED	(51) A61L 15/26
(73) Merus N.V.	FROM A PARAMYXOVIRIDAE VIRUS	A61L 15/42
(72) Bakker, Alexander Berthold Hendrik	AND USES THEREOF	A61L 15/44
Van Loo, Pieter Fokko	(73) Oregon Health & Science University	(11) EP3458115
(74) ir. H.A. Witmans c.s.	(72) Picker, Louis	(21) EP17723393.9
(31) 15176355	Nelson, Jay A.	(22) 15.05.2017
(32) 10.07.2015	Frueh, Klaus	(54) WOUND OR SKIN PATCH
(33) European Patent Office (EPO)	Jarvis, Michael A.	(73) BSN Medical GmbH

(72) ARSHI, Annahit HEMMRICH, Karsten SCHULZE, Christian	(51) A61M 11/00 A61M 16/06 A61M 16/08 A61M 16/14	MATYSZEWSKI, Krzysztof OLCZAK, Jacek
(74) ir. M.F.J.M. Ketelaars c.s.	(11) EP3216475	(74) ir. W.J.J.M. Kempes
(31) 16169905	(21) EP17166116.8	(31) 41706616
(32) 17.05.2016	(22) 23.01.2013	201662331550 P
(33) European Patent Office (EPO)	(54) SYSTEMS FOR PROVIDING RESPIRATORY THERAPY	201762444669 P
(47) 26.08.2020	(73) VapoTherm, Inc.	(32) 04.05.2016
(51) A61M 1/36	(72) CORTEZ, Felino, V., Jr. MCGARRITY, George NILAND, William, F.	04.05.2016
B01J 20/32	(74) ir. A. Blokland c.s.	10.01.2017
C07K 14/52	(31) 201261590045 P	(33) Poland
C07K 17/02	(32) 24.01.2012	United States of America
G01N 33/68	(33) United States of America	United States of America
(11) EP3228631	(47) 22.07.2020	(47) 09.09.2020
(21) EP17171064.3	(51) A61M 11/04 A61M 15/06 A24F 47/00	(51) A61P 25/00 A61P 25/28 C12R 1/00 A61K 35/74
(22) 13.06.2012	(11) EP3383461	(11) EP3600364
(54) TREATING RESPIRATORY CONDITIONS	(21) EP16805093.8	(21) EP18735196.0
(73) TLA Targeted Immunotherapies AB	(22) 30.11.2016	(22) 14.06.2018
(72) COTTON, Graham	(54) NON-COMBUSTIBLE SMOKING DEVICE AND ELEMENTS THEREOF	(54) COMPOSITIONS COMPRISING A BACTERIAL STRAIN OF THE GENUS MEGASPHAERA AND USES THEREOF
WINQVIST, Ola	(73) Philip Morris Products S.A.	(73) 4D Pharma Research Limited
(74) ir. M.F.J.M. Ketelaars c.s.	(72) TUCKER, Christopher S. SMITH, Barry S. CADIEUX, Edmond J. BENNETT, David	(72) MULDER, Imke Elisabeth YUILLE, Samantha ETTORRE, Anna AHMED, Suaad FOTIADOU, Parthena URCIA, Joseph Roby Iringan SAVIGNAC, Helene
(31) 201161496377 P	(74) dr. W.A.H.M. Van Borm	(74) ir. M.F.J.M. Ketelaars c.s.
(32) 13.06.2011	(31) 201562260793 P	(31) 201709468
(33) United States of America	(32) 30.11.2015	201709534
(47) 24.06.2020	(33) United States of America	201712851
(51) A61M 5/142	(47) 29.07.2020	201803826
A61M 5/168	(51) A61N 1/05	201805989
A61M 5/172	(11) EP3541468	201805991
(11) EP3290071	(21) EP17808029.7	201805990
(21) EP16187477.1	(22) 17.11.2017	201806779
(22) 06.09.2016	(54) IMPLANTABLE ELECTRICAL CONTACT ARRANGEMENT	201806780
(54) SUPERVISION DEVICE FOR AMBULATORY INFUSION	(73) Neuroloop GmbH	(32) 14.06.2017
(73) F. Hoffmann-La Roche AG	(72) BORETIUS, Tim KIMMIG, Fabian HASSLER, Christina PLACHTA, Dennis	15.06.2017
(72) LIST, Hans	(74) ir. A.R. Aalbers	10.08.2017
WEHOWSKI, Frederic	(31) 102016222710	09.03.2018
(74) drs. C.M.A. Quintelier	(32) 18.11.2016	11.04.2018
(47) 05.08.2020	(33) Germany	11.04.2018
(51) A61M 11/00	(47) 15.07.2020	11.04.2018
A61M 11/04	(51) A61P 11/00 C07F 5/02	25.04.2018
A61M 11/06	(11) EP3452485	25.04.2018
A61M 15/02	(21) EP17721137.2	(33) United Kingdom
A61M 16/08	(22) 02.05.2017	United Kingdom
A61M 16/14	(54) ARGINASE INHIBITORS AND THEIR THERAPEUTIC APPLICATIONS	United Kingdom
A61M 16/20	(73) Oncoarendi Therapeutics SA	United Kingdom
B05B 7/04	(72) BLASZCZYK, Roman NOWICKA, Julita BOREK, Bartłomiej BRZEZINSKA, Joanna GZIK, Anna DZIEGIELEWSKI, Marek GOLEBIEWSKI, Adam JEDRZEJCZAK, Karol	United Kingdom
(11) EP2887984		(47) 05.08.2020
(21) EP13766477.7		(51) A63B 21/00 A63B 21/02 A63B 21/04 A63B 21/055 A63B 21/16 A63B 22/00 A63B 23/02 A63B 23/035
(22) 21.08.2013		
(54) VENTILATOR AEROSOL DELIVERY SYSTEM		
(73) Philip Morris Products S.A.		
(72) LEAMON, James GREGORY, Timothy MAZELA, Jan HENDERSON, Christopher		
(74) dr. W.A.H.M. Van Borm		
(31) 201261691678 P		
201261732082 P		
201313843172		
(32) 21.08.2012		
30.11.2012		
15.03.2013		
(33) United States of America		
United States of America		
United States of America		
(47) 29.07.2020		

A63B 23/04	(33) United States of America	(22) 02.03.2017
(11) EP2686077	(47) 15.07.2020	(54) ELECTRICITY GENERATION
(21) EP12757171.9	(51) B01D 53/14	PROCESS
(22) 14.03.2012	C10K 1/00	(73) Applied Biomimetic A/S
(54) IMPROVED EXERCISE TABLE	(11) EP3493892	(72) NISSEN, Steen Søndergaard
(73) Mad Dogg Athletics, Inc.	(21) EP17742767.1	(74) ir. M.F.J.M. Ketelaars c.s.
(72) SOLOW, Howard, J.	(22) 27.07.2017	(31) 201662303633 P
HAHN, Christopher, J.	(54) TWO-STAGE METHOD FOR	201605068
(74) ir. H.A. Witmans c.s.	REMOVING CO2 FROM SYNTHESIS	(32) 04.03.2016
(31) 201161465229 P	GAS	24.03.2016
(32) 16.03.2011	(73) BASF SE	(33) United States of America
(33) United States of America	(72) KATZ, Torsten	United Kingdom
(47) 24.06.2020	NOTZ, Ralf	(47) 08.07.2020
(51) A63F 1/12	KUNKELMANN, Christian	(51) B01F 5/06
A63F 1/14	(74) ir. W.J.J.M. Kempes	B01F 13/00
A63F 9/24	(31) 16182234	B01L 3/00
G07F 17/32	(32) 01.08.2016	(11) EP2817088
G08B 21/18	(33) European Patent Office (EPO)	(21) EP13707596.6
H04L 29/08	(47) 08.07.2020	(22) 22.02.2013
(11) EP2099539	(51) B01D 53/64	(54) MICROCHANNEL WITH DEVICE FOR
(21) EP07853071.4	B01D 53/72	OPENING AND/OR CLOSING AND/OR
(22) 02.11.2007	B01D 53/81	PUMPING
(54) METHOD AND APPARATUS FOR AN	B01J 20/20	(73) Ecole Supérieure de Physique et de
AUTOMATIC CARD HANDLING DEVICE	C02F 1/28	Chimie Industrielles de la Ville de Paris
(73) SG Gaming, Inc.	C02F 101/10	CENTRE NATIONAL DE LA
(72) CZYZEWSKI, Zbigbiew	C02F 101/20	RECHERCHE SCIENTIFIQUE - CNRS
ZVERCOV, Vladislav	C02F 101/30	(72) VERGNE, Clémence
(74) ir. M.F.J.M. Ketelaars c.s.	C02F 101/36	TABELING, Patrick
(31) 558818	(11) EP3439766	TRAN, Yvette
(32) 10.11.2006	(21) EP17712785.9	MONTI, Fabrice
(33) United States of America	(22) 23.03.2017	DEVYS, Lucie
(47) 09.09.2020	(54) PROCESS FOR THE REMOVAL OF	(74) ir. F.A. Geurts c.s.
(51) B01D 11/02	HEAVY METALS FROM FLUIDS	(31) 1251722
B27K 1/00	(73) CPPE Carbon Process&Plant	(32) 24.02.2012
B27K 1/02	Engineering S.A.	(33) France
B27L 11/00	(72) STRICKROTH, Alain	(47) 01.07.2020
B27L 11/02	(74) ir. H.A. Witmans c.s.	(51) B01F 17/00
B27N 1/00	(31) 93013	C01F 11/02
B27N 3/14	(32) 04.04.2016	C04B 2/04
B27N 3/18	(33) Luxembourg	(11) EP2920128
(11) EP3453504	(47) 29.07.2020	(21) EP13803146.3
(21) EP17189807.5	(51) B01D 57/00	(22) 18.11.2013
(22) 07.09.2017	B01D 61/02	(54) AQUEOUS SUSPENSION OF CALCIUM
(54) METHOD FOR THE PREPARATION	B01D 61/14	HYDROXIDE, METHOD FOR THE
OF OSB WOOD-BASE PANELS WITH	C08G 61/08	PRODUCTION THEREOF, AND USES
REDUCED EMISSION OF VOLATILE	C08L 65/00	OF SAME
ORGANIC COMPOUNDS (VOCs)	C09D 165/00	(73) COATEX
(73) SWISS KRONO Tec AG	C09J 165/00	(72) BELLI, Fabrizio
(72) PFEIFFER, Sabrina	(11) EP3565851	MONGOIN, Jacques
KALWA, Norbert	(21) EP19712814.3	BERLENDIS, Angelo
(74) ir. H.A. Witmans c.s.	(22) 29.03.2019	(74) ir. F.A. Geurts c.s.
(47) 12.08.2020	(54) METHOD FOR PRODUCING	(31) 1260968
(51) B01D 53/00	TEMPERATURE-STABLE	201261738516 P
B01D 53/14	POLYALKENAMERS	(32) 19.11.2012
C08F 6/00	(73) Evonik Operations GmbH	18.12.2012
C08F 10/02	(72) MICOINE, Kévin	(33) France
C08F 110/02	KOLEVA, Velichka	United States of America
C08J 11/02	HACKENBERGER, Dagmar Isabell	(47) 15.07.2020
(11) EP2627679	VAZQUEZ TORAN, Pedro	(51) B01J 19/00
(21) EP11771377.6	(74) ir. W.J.J.M. Kempes	G01N 33/543
(22) 12.10.2011	(31) 18164862	(11) EP2852458
(54) IMPROVED ETHYLENE SEPARATION	(32) 29.03.2018	(21) EP13727823.0
(73) Chevron Phillips Chemical Company LP	(33) European Patent Office (EPO)	(22) 23.05.2013
(72) HOTTOVY, John, D	(47) 08.07.2020	(54) METHOD FOR REAL-TIME DETECTION
CYMBALUK, Ted	(51) B01D 61/00	OF MOLECULAR ACCUMULATIONS
(74) ir. C.G.C. Veldman-Dijkers	F03G 7/00	AND/OR MONITORING THE
(31) 905966	(11) EP3423714	PRODUCTION PROCESS OF A
(32) 15.10.2010	(21) EP17708500.8	MOLECULAR MICROARRAY

(73) Albert-Ludwigs-Universität Freiburg	HALL, John Adrian	(74) ir. F.A. Geurts c.s.
(72) ROTH, Günter	AL-SHAHRANI, Abdullah A.	(47) 08.07.2020
(74) ir. W.J.J.M. Kempes	WHITING, Andrew	(51) B05C 5/02
(31) 102012104453	(74) ir. W.J.J.M. Kempes	B29C 44/46
13154822	(31) 201662309645 P	B05B 15/654
(32) 23.05.2012	(32) 17.03.2016	(11) EP2804736
11.02.2013	(33) United States of America	(21) EP13701003.9
(33) Germany	(47) 12.08.2020	(22) 15.01.2013
European Patent Office (EPO)	(51) B01J 29/06	(54) DEVICE FOR APPLYING A FOAMING REACTION MIXTURE
(47) 08.07.2020	B01J 29/40	(73) Covestro Deutschland AG
(51) B01J 20/00	B01J 29/65	(72) KÖSTER, Ralf
(11) EP2231325	B01J 29/70	(74) ir. W.J.J.M. Kempes
(21) EP08853060.5	C01B 39/02	(31) 12151252
(22) 24.11.2008	C07C 1/24	12152076
(54) PROCESS TO PREPARE FILTER AIDS MADE FROM LOW PERMEABILITY DIATOMITES	C07C 5/25	(32) 16.01.2012
(73) Imerys Filtration Minerals, Inc.	C07C 5/27	23.01.2012
(72) NYAMEKYE, George, Asante	C07C 11/00	(33) European Patent Office (EPO)
LEVAY, Joseph	C07C 11/08	European Patent Office (EPO)
ROULSTON, John, S.	C07C 11/09	(47) 08.07.2020
MENEAR, John	(11) EP3509746	(51) B05C 11/10
(74) ir. C.G.C. Veldman-Dijkers	(21) EP17761526.7	B41J 2/01
(31) 989941 P	(22) 06.09.2017	B41J 2/205
(32) 25.11.2007	(54) PROCESS FOR DEHYDRATION OF MONO-ALCOHOL(S) USING A MODIFIED CRYSTALLINE ALUMINOSILICATE	B41J 2/21
(33) United States of America	(73) Total Research & Technology Feluy	H01L 21/66
(47) 09.09.2020	IFP Energies nouvelles	H01L 21/67
(51) B01J 21/02	(72) NESTERENKO, Nikolai	H01L 51/00
B01J 23/882	DUPONT, Colin	H01L 51/52
B01J 23/883	COUPARD, Vincent	H01L 51/56
B01J 27/051	MAURY, Sylvie	H04N 1/405
B01J 27/19	HEINZ, Thibault	H01L 33/52
B01J 35/10	(74) ir. W.J.J.M. Kempes	H01L 33/54
B01J 37/02	(31) 16290172	H01L 33/56
C10G 49/12	(32) 09.09.2016	H01L 31/0203
(11) EP2255873	(33) European Patent Office (EPO)	H01L 31/048
(21) EP09290914.2	(47) 29.07.2020	(11) EP3079911
(22) 07.12.2009	(51) B02C 18/14	(21) EP14870074.3
(54) hydrodemetallation catalysts and hydrodesulfurization catalysts and a process using said catalysts	B02C 18/18	(22) 12.08.2014
(73) IFP Energies nouvelles	(11) EP3315201	(54) INK-BASED LAYER FABRICATION USING HALFTONING TO CONTROL THICKNESS
(72) Guichard, Bertrand	(21) EP17196781.3	(73) Kateeva, Inc.
Guillaume, Denis	(22) 17.10.2017	(72) VRONSKY, Eliyahu
(74) ir. W.J.J.M. Kempes	(54) CHIPPER ROTOR FOR A SHREDDING MACHINE	HARJEE, Nahid
(31) 0807269	(73) KOMPTECH GmbH	(74) ir. M.F.J.M. Ketelaars c.s.
(32) 18.12.2008	(72) Oppliger, Fritz	(31) 201361915149 P
(33) France	Meisenbichler, Reinhard	201461977939 P
(47) 24.06.2020	Pichler, Philip	201462005044 P
(51) B01J 21/10	Haßler, Jürgen	201462019076 P
B01J 23/00	(74) ir. M.F.J.M. Ketelaars c.s.	(32) 12.12.2013
B01J 31/04	(31) 102016012743	10.04.2014
B01J 31/06	102017116005	30.05.2014
B01J 35/02	(32) 25.10.2016	30.06.2014
B01J 37/08	17.07.2017	(33) United States of America
C01F 7/02	(33) Germany	United States of America
(11) EP3429749	Germany	United States of America
(21) EP17715303.8	(47) 24.06.2020	United States of America
(22) 15.03.2017	(51) B02C 19/18	(47) 29.07.2020
(54) HIGH ASPECT RATIO LAYERED DOUBLE HYDROXIDE MATERIALS AND METHODS FOR PREPARATION THEREOF	H02J 7/00	(51) B08B 3/02
(73) Saudi Arabian Oil Company	(11) EP3481556	B08B 9/032
Durham University	(21) EP16763431.0	B08B 13/00
(72) VEERABHADRAPPA, Manohara Gudiyor	(22) 31.08.2016	(11) EP3204172
GREENWELL, Hugh Christopher	(54) METHOD FOR OPERATING A HIGH-VOLTAGE PULSE SYSTEM	(21) EP15849195.1
ALABEDI, Gasan Selman	(73) Selfrag AG	(22) 02.10.2015
	(72) KALKE, Jürgen	(54) FLEXIBLE CLEANING LANCE POSITIONER GUIDE APPARATUS
	MÜLLER-SIEBERT, Reinhart	(73) Stoneage, Inc.
		(72) ZINK, Gerald P.

- (74) dr. W.A.H.M. Van Borm
(31) 201462060162 P
201562120691 P
(32) 06.10.2014
25.02.2015
(33) United States of America
United States of America
(47) 19.08.2020
-
- (51) B09B 3/00
B65B 1/02
B65B 1/04
B65B 9/02
B65B 9/13
B65B 43/54
B65G 41/00
E02B 3/10
E02B 3/12
E02D 17/18
E02D 17/20
E02D 29/02
B65B 9/06
B65B 9/067
(11) EP3478587
(21) EP16741544.7
(22) 30.06.2016
(54) DEVICE FOR PRODUCING TUBULAR
CONTAINERS
(73) Topocare GmbH
(72) DRAIER, Roland
(74) J.M.H. Duyver lic.
(47) 26.08.2020
-
- (51) B21D 22/28
B21D 51/26
(11) EP3181258
(21) EP17150872.4
(22) 12.03.2014
(54) TOOLPACK FOR VERTICAL
BODYMAKER
(73) Stolle Machinery Company, LLC
(72) FOWLER, Tracy Jay
BLUE, Rodney A.
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361776939 P
(32) 12.03.2013
(33) United States of America
(47) 29.07.2020
-
- (51) B21D 51/26
B21D 51/38
B21D 51/44
B30B 1/28
(11) EP2969292
(21) EP14763889.4
(22) 14.03.2014
(54) CONVERSION SYSTEM
(73) Stolle Machinery Company, LLC
(72) BUTCHER, Gregory, H.
CARSTENS, Aaron, E.
MCCARTY, Patrick, K.
DAVIDSON, Jason, A.
ZUMBERGER, Neil, A.
CARPER, Kenneth E.
BAUER, Russel
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201361790363 P
(32) 15.03.2013
(33) United States of America
(47) 12.08.2020
-
- (51) B22C 1/02
B22C 9/02
C04B 14/00
(11) EP2513006
(21) EP10838066.8
(22) 28.10.2010
(54) Use of an organic acid salt to reduce
veining of a metal casting
(73) ASK Chemicals LLC
(72) SHOWMAN, Ralph, E.
HARMON, Sean, B.
(74) ir. W.J.J.M. Kempes
(31) 286913 P
873819
(32) 16.12.2009
01.09.2010
(33) United States of America
United States of America
(47) 02.09.2020
-
- (51) B22F 1/00
B22F 3/00
(11) EP3423217
(21) EP18708676.4
(22) 02.03.2018
(54) METHOD FOR ADDITIVELY
MANUFACTURING A COMPONENT
(73) SKZ-KFE gGmbH
(72) FISCHER, Christian
STAUDIGEL, Christian
(74) ir. J.C. Volmer c.s.
(31) 102017207210
(32) 28.04.2017
(33) Germany
(47) 05.08.2020
-
- (51) B22F 3/105
B33Y 30/00
B29C 64/153
B29C 64/35
B29C 64/357
B29C 67/00
B33Y 40/00
(11) EP3377303
(21) EP16753663.0
(22) 18.08.2016
(54) DEVICE FOR PRODUCING MOULDED
BODIES BY LOCATION-SELECTIVE
SOLIDIFYING OF MATERIAL POWDER
(73) Realizer GmbH
(72) GOLZ, Daniel
FOCKELE, Matthias
(74) J.M.H. Duyver lic.
(31) 102015222689
(32) 17.11.2015
(33) Germany
(47) 08.07.2020
-
- (51) B23P 15/00
C22C 38/00
F16G 5/16
(11) EP3374662
(21) EP16766230.3
(22) 07.09.2016
(54) METAL RING COMPONENT OF A
DRIVE BELT FOR A CONTINUOUSLY
VARIABLE TRANSMISSION
(73) Robert Bosch GmbH
(72) PENNING, Bert
ELKHUIZEN, Jan-Peter
(74) ir. G.A.J.M. Plevier
-
- (31) 1041468
(32) 08.09.2015
(33) Netherlands
(47) 24.06.2020
-
- (51) B24D 3/08
C09K 3/14
(11) EP3444313
(21) EP18180922.9
(22) 24.11.2009
(54) DISH-SHAPED ABRASIVE PARTICLES
WITH A RECESSED SURFACE
(73) 3M Innovative Properties Co.
(72) Culler, Scott, R.
Erickson, Dwight, D.
Adefris, Negus, B.
Boden, John, T.
Haas, John, D.
(31) 336961
(32) 17.12.2008
(33) United States of America
(47) 01.07.2020
-
- (51) B25B 11/00
B65G 21/20
(11) EP3509795
(21) EP17772168.5
(22) 08.09.2017
(54) VACUUM HOLDER WITH EXTENSIBLE
SKIRT GASKET
(73) The Procter & Gamble Company
(72) LYMAN, Christopher, Robert
ORNDORFF, Jason, Matthew
SHEN, Marcus
(31) 201662385324 P
(32) 09.09.2016
(33) United States of America
(47) 29.07.2020
-
- (51) B25J 9/02
B25J 9/04
B25J 9/12
B25J 17/02
B25J 18/04
B25J 19/00
B25J 19/06
F16M 1/00
F16M 11/04
F16M 11/16
F16M 11/18
F16M 11/24
F16M 11/32
(11) EP3288725
(21) EP16787004.7
(22) 26.04.2016
(54) POINT OF CONTROL REMOTE-
ACTUATION APPARATUS AND
METHODS
(73) Stevenson, Robert L.
(72) Stevenson, Robert L.
(74) ir. H.J.G. Lips c.s.
(31) 201514697246
(32) 27.04.2015
(33) United States of America
(47) 24.06.2020
-
- (51) B25J 9/16
(11) EP3429806
(21) EP17713884.9
(22) 17.03.2017
(54) A ROBOT AND A METHOD OF
CONTROLLING A ROBOT

(73) Flow Robotics A/S	B29K 79/00	B29C 49/64
(72) STØY, Kasper	B29K 81/00	B29C 49/70
FAÍÑA RODRÍGUEZ-VILA, Andrés	B29K 101/12	(11) EP3099467
NEJATIMOHARRAMI, Farzad	(11) EP3418018	(21) EP15700632.1
(74) ir. M.F.J.M. Ketelaars c.s.	(21) EP18178996.7	(22) 13.01.2015
(31) 201670155	(22) 21.06.2018	(54) DEVICE FOR PRODUCING
(32) 17.03.2016	(54) METHOD FOR PRODUCING A	CONTAINER PRODUCTS FROM
(33) Denmark	FIBROUS MATERIAL IMPREGNATED	PLASTICS MATERIAL
(47) 24.06.2020	WITH THERMOPLASTIC POLYMER	(73) Kocher-Plastik Maschinenbau GmbH
(51) B26B 19/38	(73) ARKEMA FRANCE	(72) SAUTER, Roland
B26B 19/46	(72) HOCHSTETTER, Gilles	GESER, Johannes
(11) EP3354425	CAPELOT, Mathieu	SPALLEK, Michael
(21) EP17153254.2	SAVART, Thibaut	(74) ir. J.C. Volmer c.s.
(22) 26.01.2017	BABEAU, Arthur Pierre	(31) 102014001446
(54) SHAVER WITH LIGHT SOURCE	HUZE, Denis	(32) 31.01.2014
(73) Braun GmbH	TANGUY, François	(33) Germany
(72) Fürst, Stefan	GAILLARD, Patrice	(47) 29.07.2020
Füllgrabe, Martin	(74) ir. M.F.J.M. Ketelaars c.s.	(51) B29C 49/06
Neyer, Christian	(31) 1755705	B29C 49/12
Schübel, Christian	(32) 22.06.2017	B29C 49/42
(47) 29.07.2020	(33) France	B29C 49/78
(51) B29B 7/48	(47) 26.08.2020	B29L 31/00
C08K 7/22	(51) B29C 35/02	(11) EP3541599
C09J 7/10	B29C 49/64	(21) EP17808305.1
C09J 7/38	B29C 51/42	(22) 06.11.2017
(11) EP3075772	H05B 3/14	(54) DEVICE AND METHOD FOR
(21) EP15162318.8	H05B 3/46	CONTROLLING THE THROUGHFLOW
(22) 02.04.2015	(11) EP3016794	OF BLOW-MOLDING FLUID
(54) REMOVABLE ADHESIVE TAPE	(21) EP14734431.1	DURING THE BLOW MOLDING OF
(73) tesa SE	(22) 24.06.2014	CONTAINERS
(72) Burmeister, Axel	(54) DEVICE FOR HEATING PREFORM	(73) Aventics GmbH
Petersen, Anika	BODIES OR FLAT OR PREFORMED	(72) BUSCH, Christian
Blazejewski, Anna	SEMI-FINISHED PRODUCTS FROM	MEYER, Heinz-Herrmann
Lohmann, Franciska	THERMOPLASTIC MATERIAL	PAULUS, Theo
(74) J.M.H. Duyver lic.	(73) watttron GmbH	PETITJEAN, Francis
(47) 26.08.2020	(72) CLAUS, Ronald	(74) dr. W.A.H.M. Van Borm
(51) B29B 15/12	STEIN, Marcus	(31) 102016013635
B29C 70/02	BACH, Sascha	(32) 16.11.2016
B29C 70/06	(74) J.M.H. Duyver lic.	(33) Germany
B29C 70/52	(31) 102013011306	(47) 24.06.2020
C08J 5/04	102014202302	(51) B29C 53/60
C09J 171/00	(32) 03.07.2013	B29C 63/26
(11) EP2788408	07.02.2014	B29D 23/00
(21) EP12809908.2	(33) Germany	C09D 167/06
(22) 07.12.2012	Germany	F16L 58/10
(54) ASYMMETRIC FIBER REINFORCED	(47) 05.08.2020	(11) EP3372392
POLYMER TAPE	(51) B29C 35/08	(21) EP17000381.8
(73) Ticona LLC	B29C 70/38	(22) 09.03.2017
(72) JOHNSON, Aaron, H.	B29K 105/08	(54) LINER REINFORCED BY NON-WOVEN
EASTEP, David, W.	(11) EP2941343	FIBRES FOR IMPACT RESISTANT GRP
REGAN, Timothy, A.	(21) EP14701134.0	PIPES
TIBOR, Timothy, L.	(22) 03.01.2014	(73) Amiblu Technology AS
(74) J.M.H. Duyver lic.	(54) INDUCTION HEATING COMPACTION	(72) HAAVALDSEN, Jane Hilary Thatcher
(31) 201161569045 P	SYSTEM AND METHOD OF	SYVERSEN, Kjell Tony
201261660189 P	COMPACTING	(74) mr. ir. J. van Breda c.s.
(32) 09.12.2011	(73) Northrop Grumman Innovation Systems,	(47) 15.07.2020
15.06.2012	Inc.	(51) B29C 65/10
(33) United States of America	(72) BENSON, Vernon, M.	E04D 13/04
United States of America	MACHAC, David, R.	(11) EP3179005
(47) 08.07.2020	LOVELESS, Bryan, J.	(21) EP16203275.9
(51) B29B 15/12	(74) ir. M.F.J.M. Ketelaars c.s.	(22) 09.12.2016
B29K 27/00	(31) 201313734661	(54) METHOD FOR MANUFACTURING A
B29K 27/18	(32) 04.01.2013	ROOF DRAINAGE
B29K 31/00	(33) United States of America	(73) Van Rijsseghem bvba
B29K 33/00	(47) 22.07.2020	(72) Van Rysseghem, Sven
B29K 67/00	(51) B29C 49/00	(74) ir. J.P.E. Brants
B29K 71/00	B29C 49/04	(31) 201505810
B29K 77/00	B29C 49/48	201605681

(32) 10.12.2015	(51) B32B 7/12	BERARD, Mathieu
07.09.2016	B32B 15/088	DUBOST, Brice
(33) Belgium	B32B 21/08	(31) 1254297
Belgium	B32B 27/08	(32) 10.05.2012
(47) 05.08.2020	B32B 27/10	(33) France
(51) B29C 65/18	B32B 27/28	(47) 08.07.2020
B29C 65/22	B32B 27/30	(51) B32B 25/10
B29C 65/30	B32B 27/32	B32B 25/18
B29C 65/36	B32B 27/34	C08L 23/22
B29C 65/72	B32B 27/40	E04D 5/10
B65B 51/10	(11) EP3174708	E04D 13/14
B65B 51/14	(21) EP15760318.4	E04D 13/147
B65B 51/22	(22) 31.07.2015	(11) EP3354816
(11) EP3515693	(54) FURAN BASED POLYAMIDES AND	(21) EP18153592.3
(21) EP17780653.6	ARTICLES MADE THEREFROM	(22) 26.01.2018
(22) 21.09.2017	(73) DuPont Industrial Biosciences USA, LLC	(54) MEMBRANE MATERIAL
(54) SEALING BODY	(72) DUNCAN, Andrew Jay	(73) Sabetoflex A/S
(73) watttron GmbH	LIAO, Ken-Hsuan	(72) Poulsen, Per
(72) BACH, Sascha	MAGENAU, Andrew J.D.	(74) drs. P.F.H.M. van Someren c.s.
STEIN, Marcus	NEDERBERG, Fredrik	(31) 201770051
(74) ir. W.J.J.M. Kempes	TORRADAS, Jose Maria	(32) 26.01.2017
(31) 102016117834	(74) ir. H.A. Witmans c.s.	(33) Denmark
(32) 21.09.2016	(31) 201462031339 P	(47) 24.06.2020
(33) Germany	201462031357 P	(51) B32B 27/20
(47) 01.07.2020	(32) 31.07.2014	B32B 27/28
(51) B31F 1/00	31.07.2014	B32B 27/34
B31B 50/59	(33) United States of America	B32B 27/36
B31B 50/98	United States of America	B65D 71/08
(11) EP3318398	(47) 15.07.2020	B29C 48/08
(21) EP17171050.2	(51) B32B 7/12	B29C 48/88
(22) 15.05.2017	B32B 17/04	(11) EP3168043
(54) DEVICE FOR MANUFACTURING	B32B 19/04	(21) EP16201778.4
CONTAINERS	B32B 19/06	(22) 28.04.2014
(73) Capra, Marco	B32B 27/28	(54) HEAT-SHRINKABLE MULTILAYER FILM
(72) Capra, Marco	C09J 189/00	(73) Kureha Corporation
(74) mr.ir. F.N. Ferro	C09J 189/06	(72) ITOH, Tadayoshi
(31) 102016121162	C03C 25/26	SEKIYA, Yuta
(32) 07.11.2016	(11) EP3455186	TOBITA, Hisanori
(33) Germany	(21) EP17723671.8	(31) 2013096983
(47) 24.06.2020	(22) 11.05.2017	(32) 02.05.2013
(51) B32B 3/30	(54) MINERAL WOOL PRODUCT	(33) Japan
B32B 5/02	(73) Rockwool International A/S	(47) 08.07.2020
B32B 7/12	(72) HJELMGAARD, Thomas	(51) B32B 29/00
B32B 27/08	(31) 16169641	B65D 63/00
B32B 27/12	16169638	B65D 65/42
B32B 27/30	16169635	D06M 10/00
B32B 27/32	(32) 13.05.2016	D06M 10/02
B32B 27/34	13.05.2016	D21H 19/20
B32B 27/36	13.05.2016	D21H 19/22
D04H 1/54	(33) European Patent Office (EPO)	D21H 19/36
D04H 1/724	European Patent Office (EPO)	D21H 19/58
D04H 3/14	European Patent Office (EPO)	D21H 19/82
B32B 7/06	(47) 08.07.2020	D21H 21/16
(11) EP3526031	(51) B32B 17/10	D21H 25/06
(21) EP17784713.4	F21V 8/00	D21H 27/14
(22) 13.09.2017	B60Q 3/208	D21H 27/30
(54) PACKAGE COMPRISING A SEALED	B60Q 3/51	(11) EP3294949
CONTACT AREA INCLUDING A	B60Q 3/64	(21) EP16728440.5
NONWOVEN HAVING A BONDED	(11) EP2846996	(22) 12.05.2016
SURFACE WITH AN EMBOSSED	(21) EP13727249.8	(54) COATED SUBSTRATE COMPRISING
IMPRESSION PATTERN	(22) 03.05.2013	A SURFACE-TREATED, AQUEOUS-
(73) DuPont Safety & Construction, Inc.	(54) ILLUMINATING GLAZING WITH	BASED POLYMER COATING AND
(72) JACKSON, Richard Alan	INCORPORATED DEFLECTOR	METHODS OF MAKING AND USING
(74) ir. H.A. Witmans c.s.	(73) SAINT-GOBAIN GLASS FRANCE	THE SAME
(31) 201662406547 P	(72) MASSAULT, Laetitia	(73) BASF SE
(32) 11.10.2016	BAUERLE, Pascal	(72) CONSTANT, David R.
(33) United States of America	KLEO, Christophe	CORDIER, David R.
(47) 22.07.2020	VERRAT-DEBAILLEUL, Adèle	MATHUR, Sharad

HAYES, Peter	(54) ELECTRIC-VEHICLE CONTROL	(22) 20.08.2014
(74) ir. W.J.J.M. Kempes	DEVICE, AND ELECTRIC VEHICLE	(54) Bicycle hand grip
(31) 201562160252 P	AND FORKLIFT TRUCK HAVING THE	(73) Ergon International GmbH
(32) 12.05.2015	SAME	(72) Krause, Andreas
(33) United States of America	(73) Mitsubishi Logisnext Co., Ltd.	(74) ir. M.F.J.M. Ketelaars c.s.
(47) 08.07.2020	(72) Umehara, Ryuichi	(31) 202013007448 U
(51) B41J 2/01	Nakakita, Osamu	(32) 22.08.2013
B41M 5/00	Kawaguchi, Masataka	(33) Germany
C09D 11/00	Honda, Toshiyuki	(47) 01.07.2020
C09D 11/107	Mizunuma, Wataru	(51) B63B 27/14
C09D 11/326	(74) ir. M.F.J.M. Ketelaars c.s.	B63B 29/02
(11) EP2985151	(31) 2009228331	B63B 29/20
(21) EP14783430.3	(32) 30.09.2009	B63B 35/00
(22) 07.04.2014	(33) Japan	(11) EP3403913
(54) THERMAL INKJET RECORDING	(47) 26.08.2020	(21) EP18172226.5
METHOD	(51) B60P 7/13	(22) 15.05.2018
(73) Kao Corporation	B63B 25/28	(54) STERN PLATFORM ASSEMBLY FOR
(72) TANAKA, Satoshi	(11) EP2951055	AN OUTBOARD PROPELLED BOAT
FUKUDA, Teruyuki	(21) EP14746514.0	(73) Opacmare S.r.l.
(74) mr.ir. F.N. Ferro	(22) 29.01.2014	(72) FURLAN, Andrea
(31) 2013083305	(54) A SECURING ASSEMBLY	(74) J.M.H. Duyver lic.
(32) 11.04.2013	(73) 123Lash Pte Limited	(31) 201700053937
(33) Japan	(72) BEAN, David Robin	(32) 18.05.2017
(47) 02.09.2020	(74) dr. W.A.H.M. Van Borm	(33) Italy
(51) B41J 3/60	(31) 2013900266	(47) 01.07.2020
B41J 11/00	2013902563	(51) B63B 35/44
B41J 11/48	(32) 29.01.2013	G01M 5/00
B41J 13/00	11.07.2013	G05D 1/08
(11) EP3456544	(33) Australia	G05D 1/02
(21) EP18191719.6	Australia	(11) EP3247624
(22) 30.08.2018	(47) 24.06.2020	(21) EP16709106.5
(54) METHOD OF MONITORING A SHEET	(51) B60S 9/08	(22) 07.01.2016
SUPPLY SYSTEM	F16B 7/10	(54) SUPPORTING SYSTEM FOR A
(73) Canon Production Printing Holding B.V.	(11) EP2698295	FLOATING UNIT IN SHALLOW OR
(72) HUNNEKENS, Henri P.J.	(21) EP13178195.7	VERY SHALLOW WATER
LANGE, Martinus G.M.	(22) 26.07.2013	(73) SAIPEM S.p.A.
DE JONG, Frederik	(54) Length-adjustable telescopic tube,	(72) SERENA, Alberto
VAN DER HEYDEN, Randolph M.W.	auxiliary winch and method of assembly	LAZZARIN, Diego
(74) ir. M.J. Groen	(73) JOST-Werke Deutschland GmbH	FRESNET, Olivier
(31) 17190819	(72) Seidel, Günter	(74) ir. M.F.J.M. Ketelaars c.s.
(32) 13.09.2017	(74) ir. A.R. Aalbers	(31) MI20150044
(33) European Patent Office (EPO)	(31) 102012214514	(32) 20.01.2015
(47) 22.07.2020	(32) 15.08.2012	(33) Italy
(51) B60B 27/02	(33) Germany	(47) 01.07.2020
(11) EP3326836	(47) 08.07.2020	(51) B63B 35/79
(21) EP16827265.6	(51) B60T 8/34	F16B 45/00
(22) 21.07.2016	B60T 8/36	(11) EP3507188
(54) LIGHTWEIGHT HUB MADE OF	B60T 13/68	(21) EP17771798.0
ALUMINUM-STEEL COMPOSITE	(11) EP2544932	(22) 25.08.2017
MATERIALS	(21) EP11714497.2	(54) COUPLING SYSTEM, EQUIPMENT
(73) LTW Tech (Tianjin) Co., Ltd	(22) 08.03.2011	ASSEMBLY RIGIDLY CONNECTED TO
(72) DONG, Jianhua	(54) MODULARLY DESIGNED PRESSURE	A USER, COUPLING SYSTEM AND
(74) J.M.H. Duyver lic.	CONTROL DEVICE OF A PNEUMATIC	KITEBOARDING KITE BAR
(31) 201520532507 U	BRAKE SYSTEM OF A VEHICLE	(73) Roger, Donatien
(32) 21.07.2015	(73) KNORR-BREMSE Systeme für	(72) Roger, Donatien
(33) China	Nutzfahrzeuge GmbH	(74) ir. G.J.M. Verhees
(47) 26.08.2020	(72) RÖTHER, Friedbert	(31) 1658086
(51) B60L 15/20	MUSTAPHA, Adnan	(32) 31.08.2016
B66F 9/24	WIEDER, Gerhard	(33) France
B66F 17/00	BRENNER, Dirk	(47) 01.07.2020
H02P 29/00	(74) ir. M.F.J.M. Ketelaars c.s.	(51) B63H 9/06
H02P 29/50	(31) 102010010606	(11) EP2822851
B60L 50/51	(32) 08.03.2010	(21) EP12794531.9
B60L 50/52	(33) Germany	(22) 07.11.2012
(11) EP3388281	(47) 29.07.2020	(54) A VESSEL WITH A RIGID WINGSAIL
(21) EP18160748.2	(51) B62K 21/26	INSTALLATION
(22) 12.04.2010	(11) EP2840015	(73) Propelwind S.A.S.
	(21) EP14181612.4	(72) ENGLEBERT, Patrick

DESJOYEUX, Michel van PETEGHEM, Marc LAURIOT PREVOST, Vincent	(22) 06.05.2016 (54) CARTON WITH HANDLE AND METHOD OF FORMING IT	KWON, Yong Jang KIM, Young Joo KANG, Sung Wook RHEE, Young Ho
(74) ir. J.C. Volmer c.s. (31) 2007729 2008091	(73) Graphic Packaging International, LLC (72) BALDINO, Mark BATES, Aaron, Lee	(74) ir. M.F.J.M. Ketelaars c.s. (31) 20150171693
(32) 07.11.2011 10.01.2012	(74) ir. F.A. Geurts c.s. (31) 201562179446 P	(32) 03.12.2015 (33) Korea (Republic)
(33) Netherlands Netherlands	(32) 07.05.2015 (33) United States of America	(47) 22.07.2020
(47) 08.07.2020	(47) 08.07.2020	(51) B65G 17/08
(51) B65B 25/00	(51) B65D 23/08	(11) EP3348497
B65B 35/44	C03C 17/00	(21) EP18150852.4
B65B 35/46	C03C 17/42	(22) 09.01.2018
B65B 35/56	(11) EP2556036	(54) CONVEYOR CHAIN
B65B 51/14	(21) EP11715362.7	(73) Pennine Industrial Equipment Limited
B65B 9/067	(22) 07.04.2011	(72) WOMERSLEY, Graham
(11) EP3459865	(54) IMPROVING ADHESION OF ORGANIC COATINGS ON GLASS	(74) mr. ir. J. van Breda c.s. (31) 201700441
(21) EP18179598.0	(73) Owens-Brockway Glass Container INC.	201707601
(22) 25.06.2018	(72) REMINGTON, Michael, P., Jr. MARSH, Dennis, R.	(32) 11.01.2017 12.05.2017
(54) METHOD AND APPARATUS FOR STACKING SMALL-SIZED PRODUCTS	(74) ir. F.A. Geurts c.s.	(33) United Kingdom United Kingdom
(73) THEEGARTEN-PACTEC GMBH & CO. KG	(31) 755458 (32) 07.04.2010	(47) 24.06.2020
(72) Berger, Stefan Frömmel, Thomas Heubaum, Christoph Piehler, Daniel John, Steffen	(33) United States of America (47) 15.07.2020	(51) B82Y 30/00
(74) ir. M.F.J.M. Ketelaars c.s. (31) 102017122195	(51) B65D 25/22 B65D 81/20	B82Y 40/00
(32) 25.09.2017	B65G 1/04	B22F 1/00
(33) Germany	B65G 1/06	B22F 1/02
(47) 29.07.2020	G05D 1/06	B22F 7/04
(51) B65B 35/46	G05D 1/02	B22F 9/30
B65G 43/08	(11) EP3209583	C09D 1/00
B65G 47/08	(21) EP15853342.2	C09D 5/24
B65G 54/02	(22) 19.10.2015	H01B 1/00
(11) EP3473564	(54) RACKING SYSTEM	H01B 1/02
(21) EP16906236.1	(73) Nelson Mandela Metropolitan University	H01B 1/22
(22) 21.06.2016	(72) BESTIC, Adriane Michele NAUDE, Ashley Mark	H01B 5/00
(54) PRODUCT CONVEYING DEVICE	PEARDE, Shuldham Shaun SEPHTON, Christopher John	H01B 5/14
(73) Unicharm Corporation	(74) ir. H.A. Witmans c.s.	H01B 13/00
(72) MURAKAMI, Seiji ODA, Takeshi	(31) 201407541	H05K 1/09
(74) J.M.H. Duyver lic.	(32) 20.10.2014	H05K 3/12
(47) 26.08.2020	(33) South Africa (47) 24.06.2020	C09D 11/52
(51) B65B 57/00	(51) B65D 85/804	C09D 7/40
B65B 59/04	(11) EP3400184	(11) EP2803430
F16P 1/02	(21) EP17734297.9	(21) EP13735901.4
(11) EP3492398	(22) 29.06.2017	(22) 07.01.2013
(21) EP18204829.8	(54) CONTAINER FOR THE PREPARATION OF BEVERAGES	(54) METHOD FOR PRODUCING SILVER NANOPARTICLES, SILVER NANOPARTICLES, AND SILVER COATING COMPOSITION
(22) 07.11.2018	(73) BBC Bremer Bagasse Company GmbH & Co. KG	(73) Daicel Corporation National University Corporation Yamagata University
(54) PACKAGING MACHINE WITH OPENABLE SAFETY COVER	(72) WOLF-ROONEY, David	(72) KURIHARA, Masato OKAMOTO, Kazuki IGUCHI, Yuki
(73) MULTIVAC Sepp Haggenmüller SE & Co. KG	(74) ir. J.C. Volmer c.s.	(74) ir. H.A. Witmans c.s. (31) 2012002895
(72) WÖLFLE, Manuel	(31) 102016112135	(32) 11.01.2012
(74) ir. M.F.J.M. Ketelaars c.s. (31) 102017128363	(32) 01.07.2016	(33) Japan
(32) 30.11.2017	(33) Germany (47) 22.07.2020	(47) 16.09.2020
(33) Germany	(51) B65D 90/00	(51) B82Y 30/00
(47) 29.07.2020	(11) EP3293128	H01M 8/0206
(51) B65D 5/02	(21) EP16870911.1	H01M 8/021
B65D 5/42	(22) 13.10.2016	H01M 8/0228
B65D 5/468	(54) CONTAINER BINDING DEVICE	H01M 8/0232
(11) EP3292050	(73) Korea Railroad Research Institute	H01M 8/0234
(21) EP16790144.6	(72) KIM, Hag Seoung	H01M 8/0245
		H01M 8/0254

H01M 8/0256	(51) C03B 29/04	(51) C07C 45/50
H01M 8/1018	C03B 29/06	C07F 7/10
(11) EP2442391	(11) EP3441371	C07F 17/02
(21) EP11009749.0	(21) EP16898059.7	(11) EP3442982
(22) 12.05.2005	(22) 08.04.2016	(21) EP17721532.4
(54) Electrochemical power source designs and components	(54) SYSTEM AND METHOD FOR FIRE-POLISHING GLASS CONTAINERS	(22) 12.04.2017
(73) Sarnoff Corporation	(73) Vitro, S.A.B. de C.V.	(54) CATALYST FOR THE HYDROFORMYLATION OF OLEFINS, AND USE THEREOF
(72) Wang, Conghua	(72) MACOUZET DÍAZ LEAL, Adrián Enrique	(73) Technische Universität Berlin
(74) J.M.H. Duyver lic.	BECKER DEL RÍO, Alejandro	(72) DRIESS, Matthias
(31) 851789	BAQUERIE GONZÁLEZ, Enrique	SCHOMÄCKER, Reinhard
(32) 21.05.2004	(74) ir. F.A. Geurts c.s.	BLOM, Burgert
(33) United States of America	(47) 08.07.2020	SCHMIDT, Marcel
(47) 08.07.2020	(51) C03C 3/091	(74) dr. W.A.H.M. Van Borm
(51) C01B 17/22	C03C 13/06	(31) 102016206303
(11) EP2920109	(11) EP3484827	(32) 14.04.2016
(21) EP13803138.0	(21) EP17751791.9	(33) Germany
(22) 13.11.2013	(22) 12.07.2017	(47) 01.07.2020
(54) METHOD FOR PREPARING ALKALI METAL SULPHIDE	(54) GLASS FIBERS	(51) C07C 51/14
(73) Arkema France	(73) SAINT-GOBAIN ISOVER	C07C 53/126
(72) SCHMITT, Paul Guillaume	(72) LECOMTE, Emmanuel	(11) EP3502086
FREMY, Georges	ELLISON, Christopher	(21) EP17209357.7
(74) ir. M.F.J.M. Ketelaars c.s.	(31) 1656757	(22) 21.12.2017
(31) 1260885	(32) 13.07.2016	(54) METHOD FOR THE PD CATALYTIC HYDROXYCARBONYLATION OF DI-ISOBUTENE: SULPHURIC ACID/LIGAND RATIO
(32) 15.11.2012	(33) France	(73) Evonik Operations GmbH
(33) France	(47) 01.07.2020	(72) SANG, Rui
(47) 29.07.2020	(51) C05F 11/08	KUCMIERCZYK, Peter
(51) C01B 33/12	C12N 1/04	DONG, Kaiwu
C01B 33/187	C12N 1/14	JACKSTELL, Ralf
(11) EP2913301	A01N 63/30	BELLER, Matthias
(21) EP14199146.3	(11) EP3194564	FRANKE, Robert
(22) 19.12.2014	(21) EP15841234.6	(74) ir. W.J.J.M. Kempes
(54) Rapidly dissolvable nanoparticles	(22) 16.09.2015	(47) 08.07.2020
(73) Pall Corporation	(54) TRICHODERMA COMPOSITIONS AND METHODS OF USE	(51) C07C 213/06
(72) Harton, Shane Edward	(73) Empresa Brasileira De Pesquisa Agropecuária Embrapa	C07C 213/08
David, Yolando	The United States of America, as Represented by the Secretary of Agriculture	C11D 1/62
(74) ir. H.J.G. Lips c.s.	(72) JACKSON, Mark A.	C11D 3/00
(31) 201414193738	KOBORI, Nilce Naomi	C11D 3/20
(32) 28.02.2014	MASCARIN, Gabriel M.	C11D 3/50
(33) United States of America	(74) ir. M.F.J.M. Ketelaars c.s.	C11D 11/00
(47) 26.08.2020	(31) 201462052209 P	C11D 11/04
(51) C03B 18/02	201514801998	(11) EP3418353
C03B 23/24	(32) 18.09.2014	(21) EP17382376.6
C03C 27/02	17.07.2015	(22) 20.06.2017
C03C 27/10	(33) United States of America	(54) FABRIC SOFTENER ACTIVE COMPOSITIONS
E06B 3/663	United States of America	(73) KAO CORPORATION, S.A.
E06B 3/673	(47) 19.08.2020	(72) Nogués López, Blanca
E06B 3/677	(51) C06B 47/00	Mundó Blanch, Miquel
(11) EP3489202	F02K 9/28	Pey Gutiérrez, Carmen M.
(21) EP17830886.2	(11) EP2640953	Sobrevias Alabau, Jaume
(22) 10.07.2017	(21) EP11840828.5	Vilaret Ferrer, Josep
(54) MANUFACTURING METHOD AND MANUFACTURING APPARATUS OF GLASS PANEL FOR GLASS PANEL UNIT	(22) 17.11.2011	(74) mr.ir. F.N. Ferro
(73) Panasonic Intellectual Property Management Co., Ltd.	(54) METHOD OF MANUFACTURING A ROCKET PROPELLANT	(47) 26.08.2020
(72) NONAKA, Masataka	(73) TOTAL MARKETING SERVICES	(51) C07D 211/46
URIU, Eiichi	(72) KELLY, Kevin	C08K 5/43
HASEGAWA, Kazuya	(74) ir. W.J.J.M. Kempes	(11) EP3145911
ISHIBASHI, Tasuku	(31) 949980	(21) EP15726045.6
ABE, Hiroyuki	201113295268	(22) 20.05.2015
(74) ir. W.J.J.M. Kempes	(32) 19.11.2010	(54) STABILIZER COMPOUNDS
(31) 2016143803	14.11.2011	(73) Solvay Specialty Polymers USA, L.L.C.
(32) 21.07.2016	(33) United States of America	(72) POLLINO, Joel
(33) Japan	United States of America	GOSCHY, Gregory
(47) 02.09.2020	(47) 08.07.2020	SRINIVASAN, Satchit

(74) ir. W.J.J.M. Kempes	(33) European Patent Office (EPO)	(72) SUAU, Jean-Marc
(31) 201462001336 P	(47) 29.07.2020	(74) ir. F.A. Geurts c.s.
(32) 21.05.2014	(51) C07K 16/22	(31) 1361631
(33) United States of America	C07K 16/28	(32) 26.11.2013
(47) 08.07.2020	C07K 16/42	(33) France
(51) C07D 301/12	(11) EP2920208	(47) 15.07.2020
C07D 301/32	(21) EP13798483.7	(51) C08F 2/38
C07D 303/02	(22) 14.11.2013	C08F 20/10
C07D 303/04	(54) RECOMBINANT CELL SURFACE	C08F 220/18
(11) EP3487845	CAPTURE PROTEINS	C08F 222/30
(21) EP17740755.8	(73) Regeneron Pharmaceuticals, Inc.	C08F 265/04
(22) 19.07.2017	(72) DESHPANDE, Dipali	C08G 18/00
(54) A PROCESS FOR PURIFYING	CHEN, Gang	C08G 63/00
PROPYLENE OXIDE	BURAKOV, Darya	C08G 65/00
(73) BASF SE	FANDL, James	C08L 33/20
(72) TELES, Joaquim Henrique	ALDRICH, Thomas	C08L 75/00
KRAMP, Marvin	KAMAT, Vishal	(11) EP2838923
MUELLER, Christian	(74) ir. M.F.J.M. Ketelaars c.s.	(21) EP13778806.3
WOERZ, Nicolai Tonio	(31) 201261726040 P	(22) 12.04.2013
METZEN, Bernd	(32) 14.11.2012	(54) PREFORMED STABILIZERS USEFUL
KELLER, Tobias	(33) United States of America	FOR THE PRODUCTION OF POLYMER
RIEDEL, Dominic	(47) 19.08.2020	POLYOLS AND POLYMER POLYOLS
WEBER, Markus	(51) C07K 16/28	PRODUCED THEREFROM
URBANCZYK, Daniel	(11) EP3491021	(73) Covestro LLC
PARVULESCU, Andrei-Nicolae	(21) EP17748985.3	(72) ENGLAND, Jiong
WEGERLE, Ulrike	(22) 20.07.2017	ADKINS, Rick L.
MUELLER, Ulrich	(54) ANTI-CANINE PLATELET DERIVED	NEAL, Brian L.
(74) ir. W.J.J.M. Kempes	GROWTH FACTOR RECEPTOR ALPHA	GILL, William A.
(31) 16180317	ANTIBODY	(74) ir. W.J.J.M. Kempes
(32) 20.07.2016	(73) Elanco US Inc.	(31) 201213449492
(33) European Patent Office (EPO)	(72) BURTRUM, Douglas Bryan	(32) 18.04.2012
(47) 08.07.2020	LUDWIG, Dale Lincoln	(33) United States of America
(51) C07D 487/04	SHEN, Juqun	(47) 08.07.2020
(11) EP3325482	WANG, Cheng	(51) C08F 2/44
(21) EP16745598.9	(74) ir. M.F.J.M. Ketelaars c.s.	C08F 18/14
(22) 21.07.2016	(31) 201662367808 P	C08F 263/00
(54) METHODS OF PREPARING	(32) 28.07.2016	C08K 5/00
CYTOTOXIC BENZODIAZEPINE	(33) United States of America	C08L 29/06
DERIVATIVES	(47) 02.09.2020	C09D 4/00
(73) ImmunoGen, Inc.	(51) C08F 2/26	C09D 147/00
(72) GÉRARD, Baudouin	C08F 214/22	C09D 11/101
SHIZUKA, Manami	(11) EP3523335	(11) EP3438190
MILLER, Michael, Louis	(21) EP17777050.0	(21) EP17774925.6
SILVA, Richard, A.	(22) 29.09.2017	(22) 27.03.2017
(74) ir. H.A. Witmans c.s.	(54) VINYLIDENE FLUORIDE AND	(54) PHOTOCURABLE RESIN
(31) 201562195023 P	TRIFLUOROETHYLENE CONTAINING	COMPOSITION, INK AND COATING
201662327973 P	POLYMERS LATEXES	MATERIAL
(32) 21.07.2015	(73) Solvay Specialty Polymers Italy S.p.A.	(73) Osaka Soda Co., Ltd.
26.04.2016	(72) MARRANI, Alessio	(72) OHASHI, Shinichiro
(33) United States of America	FALCO, Ivan	YOKOYAMA, Katsutoshi
United States of America	KAPELYUSHKO, Valeriy	INOUE, Satoshi
(47) 24.06.2020	(74) ir. W.J.J.M. Kempes	(74) ir. H.A. Witmans c.s.
(51) C07K 16/18	(31) 16192408	(31) 2016071859
C07K 16/28	(32) 05.10.2016	(32) 31.03.2016
(11) EP3071597	(33) European Patent Office (EPO)	(33) Japan
(21) EP14799764.7	(47) 08.07.2020	(47) 02.09.2020
(22) 18.11.2014	(51) C08F 2/38	(51) C08F 4/34
(54) ANTI-ALPHA-SYNUCLEIN ANTIBODIES	C08F 20/06	C08F 8/32
AND METHODS OF USE	C08K 3/32	C08F 8/44
(73) F.Hoffmann-La Roche AG	C08K 5/375	C08F 210/14
(72) BRITSCHGI, Markus	(11) EP3074436	C08F 220/18
HUBER, Sylwia	(21) EP14821714.4	C08F 222/02
KALUZA, Klaus	(22) 17.11.2014	C08F 222/04
KREMER, Thomas	(54) METHOD FOR POLYMERISING	C08F 222/06
MUNDIGL, Olaf	METH(ACRYLIC) ACID IN A SOLUTION,	C10L 1/14
(74) drs. C.M.A. Quintelier	POLYMER SOLUTIONS OBTAINED	C10L 1/16
(31) 13193892	AND USES THEREOF	C10L 1/196
(32) 21.11.2013	(73) COATEX	C10L 1/197

C10L 1/236	20.05.2010	(54) FLUOROELASTOMER COMPOSITION
C10L 10/14	(33) United States of America	(73) Solvay Specialty Polymers Italy S.p.A.
C10L 10/16	United States of America	(72) FANTONI, Matteo
C10L 10/18	(47) 20.05.2020	TORTELLI, Vito
(11) EP3224285	(51) C08G 63/18	MONZANI, Cristiano
(21) EP15801698.0	C08G 63/672	BOSSOLO, Stefano
(22) 11.11.2015	C08G 63/685	AVATANEO, Marco
(54) COPOLYMER AND USE THEREOF	C08G 63/80	(74) ir. W.J.J.M. Kempes
FOR REDUCING CRYSTALLIZATION	C08G 69/40	(31) 15166963
OF PARAFFIN CRYSTALS IN FUELS	(11) EP3467005	(32) 08.05.2015
(73) BASF SE	(21) EP16903890.8	(33) European Patent Office (EPO)
(72) TROETSCH-SCHALLER, Irene	(22) 30.05.2016	(47) 08.07.2020
GARCIA CASTRO, Ivette	(54) METHOD FOR OBTAINING	(51) C08J 5/12
SCHROERS, Michael	BIODEGRADABLE	C09J 127/24
REBHOLZ, Uwe	POLYESTERETHERAMIDE	(11) EP3012283
REHBERGER, Hubert	(73) Sociedad Anónima Minera Catalano-	(21) EP15190962.9
FAUL, Dieter	Aragonesa	(22) 22.10.2015
(74) ir. W.J.J.M. Kempes	(72) ALFONSO ALEGRE, Maria José	(54) SOLVENT CEMENT FOR BONDING
(31) 14195177	ZAGALAZ LASIERRA, Patricia	THERMOPLASTIC RESIN ARTICLES
(32) 27.11.2014	CABALLERO LÓPEZ, Miguel Ángel	(73) IPS, Corporation - Weld-On Division
(33) European Patent Office (EPO)	(74) dr. A. Krebs	(72) WU, Wei-Young
(47) 08.07.2020	(47) 15.07.2020	SCHNEIDER, Andreas
(51) C08F 214/22	(51) C08G 63/66	(74) ir. H.A. Witmans c.s.
(11) EP3350237	C08G 63/85	(31) 201462067721 P
(21) EP16770904.7	(11) EP2370496	201514862751
(22) 16.09.2016	(21) EP09796484.5	(32) 23.10.2014
(54) FLUOROELASTOMER COMPOSITION	(22) 30.12.2009	23.09.2015
(73) Solvay Specialty Polymers Italy S.p.A.	(54) A PROCESS FOR PREPARING	(33) United States of America
(72) DOSSI, Marco	A POLYMER HAVING A 2,5-	United States of America
AVATANEO, Marco	FURANDICARBOXYLATE MOIETY	(47) 15.07.2020
KITCHENS, Terry Michael	WITHIN THE POLYMER BACKBONE	(51) C08K 3/04
(74) ir. W.J.J.M. Kempes	AND SUCH (CO)POLYMERS	C08K 3/22
(31) 201562220556 P	(73) Furanix Technologies B.V	C08K 5/14
(32) 18.09.2015	(72) SIPOS, Laszlo	C08L 27/16
(33) United States of America	(74) ir. J.C. Volmer c.s.	(11) EP3524637
(47) 08.07.2020	(31) 2002382	(21) EP19154442.8
(51) C08G 18/64	141515 P	(22) 30.01.2019
C08G 18/76	(32) 30.12.2008	(54) FLUOROELASTOMER COMPOSITION
(11) EP3464408	30.12.2008	AND MOLDED ARTICLE THEREOF
(21) EP17728958.4	(33) Netherlands	(73) DAIKIN INDUSTRIES, LTD.
(22) 22.05.2017	United States of America	(72) Kawasaki, Kazuyoshi
(54) POLYURETHANE FOAMS WITH	(47) 24.06.2020	(74) ir. W.J.J.M. Kempes
AGRICULTURAL BY-PRODUCTS	(51) C08G 65/08	(31) 2018022134
(73) Dow Global Technologies LLC	A61K 47/60	(32) 09.02.2018
(72) GOLINI, Paolo	(11) EP2905033	(33) Japan
VAIRO, Giuseppe	(21) EP15156167.7	(47) 09.09.2020
ROBINSON, Matthew A.	(22) 16.12.2004	(51) C08K 3/30
ADU-PEASAH, Swithin P.	(54) Monodisperse PEGylated naloxol	C08K 3/38
(74) ir. J.D. de Zeeuw	compositions	C08K 5/17
(31) UA20163719	(73) Nektar Therapeutics	C08K 5/42
(32) 24.05.2016	(72) Bentley, Michael D	C08L 11/02
(33) Italy	Viegas, Tracey X.	C08L 33/08
(47) 15.07.2020	Goodin, Richard R.	C09J 11/00
(51) C08G 59/40	Cheng, Lin	C09J 111/02
C09D 163/00	Zhao, Xuan	C09J 133/00
C09D 183/04	(74) ir. H.J.G. Lips c.s.	(11) EP3483211
(11) EP2432843	(31) 530122 P	(21) EP17824114.7
(21) EP10720703.7	(32) 16.12.2003	(22) 29.06.2017
(22) 24.05.2010	(33) United States of America	(54) LATEX COMPOSITION AND ONE-
(54) ONE-COMPONENT EPOXY COATING	(47) 02.09.2020	PACK TYPE AQUEOUS ADHESIVE
COMPOSITIONS	(51) C08J 3/24	COMPOSED OF SAID LATEX
(73) PPG Industries Ohio, Inc.	C08K 3/22	COMPOSITION
(72) MOWRER, Norman, R.	C08K 5/00	(73) Denka Company Limited
SHETH, Kamlesh	C08K 5/34	(72) KIYOFUJI Gaito
(74) dr. T. Wittop Koning PhD	C08L 27/16	ONOUZUKA Masao
(31) 180504 P	(11) EP3294801	MIZUSHIMA Manabu
783793	(21) EP16732231.2	HAGIWARA Shogo
(32) 22.05.2009	(22) 03.05.2016	KONISHI Hironori

SHIMIYA Daisuke	(11) EP3374468	F25B 1/00
KOTE Kazuhiro	(21) EP16794627.6	F25B 9/00
(74) ir. M.F.J.M. Ketelaars c.s.	(22) 11.11.2016	(11) EP3421794
(31) 2016133343	(54) FLAME OR FIRE RETARDING AGENTS	(21) EP18188884.3
(32) 05.07.2016	AND THEIR MANUFACTURE AND USE	(22) 05.03.2009
(33) Japan	(73) Tahmouresinia, Fernando	(54) REFRIGERATION APPARATUS
(47) 29.07.2020	(72) Tahmouresinia, Fernando	(73) Daikin Industries, Ltd.
(51) C08L 53/02	(74) dr. W.A.H.M. Van Borm	(72) Matsuura, Hideki
C08L 75/04	(31) 102015119558	Tanaka, Masaru
C09D 153/02	(32) 12.11.2015	Hara, Hideki
E04F 15/10	(33) Germany	Shibaike, Kouji
(11) EP3298093	(47) 24.06.2020	Ohnuma, Youichi
(21) EP16725425.9	(51) C09J 7/22	(74) ir. W.J.J.M. Kempes
(22) 17.05.2016	C09J 7/25	(31) 2008070238
(54) HALOGEN-FREE DECORATIVE	C09J 7/38	(32) 18.03.2008
HOMOGENEOUS SURFACE	(11) EP2935498	(33) Japan
COVERINGS	(21) EP13799324.2	(47) 05.08.2020
(73) Tarkett GDL	(22) 05.12.2013	(51) C10B 45/00
(72) JOHANSSON, Helena	(54) DETACHABLE ADHESIVE STRIP	F27D 19/00
KARLSSON, Roland	(73) tesa SE	F27D 21/00
KARLSSON, Stefan	(72) KRAWINKEL, Thorsten	G01B 11/24
WALLNÄS, Nils	SCHERF, Lesmona	G01N 21/954
(74) ir. W.J.J.M. Kempes	PETERSEN, Anika	(11) EP3479057
(31) 15167990	DOLLASE, Thilo	(21) EP17737379.2
(32) 18.05.2015	(74) J.M.H. Duyver lic.	(22) 30.06.2017
(33) European Patent Office (EPO)	(31) 102012223670	(54) DEVICE AND METHOD FOR
(47) 22.07.2020	(32) 19.12.2012	MEASURING A SHAPE OF A WALL
(51) C08L 97/02	(33) Germany	PORTION OF A COKE OVEN
(11) EP3515990	(47) 26.08.2020	(73) Centre de Pyrolyse du Charbon de
(21) EP17764837.5	(51) C09K 5/04	Marienau
(22) 13.09.2017	(11) EP3058044	(72) GAILLET, Jean Paul
(54) METHOD FOR MANUFACTURING	(21) EP14796840.8	GLIJER, David
LIGNOCELLULOSE WORKPIECES	(22) 09.10.2014	STREIFF, Damien
(73) BASF SE	(54) REFRIGERANT	(74) ir. A.R. Aalbers
(72) WEINKOETZ, Stephan	(73) RPL HOLDINGS LIMITED	(31) PCT/IB2016/001082
LINDNER, Jean-Pierre Berkan	(72) POOLE, John Edward	(32) 30.06.2016
LUNKWITZ, Ralph	POWELL, Richard	(33) World Intellectual Property Office (WIPO)
FUEGER, Claus	(74) J.M.H. Duyver lic.	(47) 15.07.2020
(74) ir. W.J.J.M. Kempes	(31) 201318244	(51) C12M 1/00
(31) 16190412	201406171	C12M 1/34
(32) 23.09.2016	201407099	C12M 3/06
(33) European Patent Office (EPO)	201410411	(11) EP3209764
(47) 08.07.2020	201417072	(21) EP15784373.1
(51) C09D 5/00	(32) 15.10.2013	(22) 22.10.2015
C09D 5/34	04.04.2014	(54) BIOREACTOR SYSTEM
(11) EP3207101	22.04.2014	(73) Cytiva Sweden AB
(21) EP15777974.5	11.06.2014	(72) BJURMAN, Anders
(22) 13.10.2015	26.09.2014	WILEN, Anders
(54) COMPOSITION SUITABLE AS FILLER	(33) United Kingdom	ANDERSSON, Andreas, Martin, Jorgen
AND SEALANT	United Kingdom	NILSSON, Fredrik, Torgny
(73) KochiToon Innovations B.V.	United Kingdom	(74) ir. M.F.J.M. Ketelaars c.s.
(72) KOCHIBROLASHVILI, Gurami	United Kingdom	(31) 1451269
VAN LOON, Sander	United Kingdom	(32) 23.10.2014
RENKEMA, Jaap	(47) 01.07.2020	(33) Sweden
(74) drs. J. Renkema	(51) C09K 5/04	(47) 26.08.2020
(31) 2013626	C10M 105/38	(51) C12N 1/00
2013763	C10M 107/20	C12N 1/02
(32) 13.10.2014	C10M 107/24	C12P 7/46
10.11.2014	C10M 171/00	C12P 7/56
(33) Netherlands	C10N 20/00	(11) EP3464604
Netherlands	C10N 20/02	(21) EP17725628.6
(47) 22.07.2020	C10N 30/00	(22) 29.05.2017
(51) C09D 5/18	C10N 40/30	(54) METHOD FOR SEPARATING BIOMASS
C09K 21/02	F04B 39/00	FROM A SOLID FERMENTATION
C09K 21/10	F04B 39/02	PRODUCT
D21H 21/34	F04C 18/02	(73) PURAC Biochem BV
E04B 1/94	F04C 23/00	(72) BOKHOVE, Jeroen
H01B 7/295	F04C 29/00	DE HAAN, Andre Banier

GROOT, Willem Jacob (74) ir. A.R. Aalbers (31) 16172032 (32) 30.05.2016 (33) European Patent Office (EPO) (47) 05.08.2020	C12Q 1/6841 (11) EP3237613 (21) EP15874292.4 (22) 22.12.2015 (54) VISUALIZING MODIFIED NUCLEOTIDES AND NUCLEIC ACID INTERACTIONS IN SINGLE CELLS (73) Sigma-Aldrich Co. LLC (72) PALHAN, Vikas KREADER, Carol (74) dr. A. Krebs (31) 201462095660 P 201562109979 P (32) 22.12.2014 30.01.2015 (33) United States of America United States of America (47) 09.09.2020	C12Q 1/6883 G16B 20/20 (11) EP2557519 (21) EP12180133.6 (22) 23.07.2008 (54) Determining a genotype of a fetus (73) The Chinese University of Hong Kong (72) Lo, Yuk-Ming Dennis Chiu, Rossa Wai Kwun Chan, Kwan Chee Zee, Benny Chung Ying Chong, Ka Chun (74) ir. M.F.J.M. Ketelaars c.s. (31) 951438 P (32) 23.07.2007 (33) United States of America (47) 19.08.2020
(51) C12N 5/0775 (11) EP3169772 (21) EP15736516.4 (22) 14.07.2015 (54) GENERATION OF A MESENCHYMAL STROMAL CELL BANK FROM THE POOLED MONONUCLEAR CELLS OF MULTIPLE BONE MARROW DONORS (73) DRK-Blutspendedienst Baden-Württemberg-Hessen gGmbH Johann Wolfgang Goethe-Universität Frankfurt am Main (72) BADER, Peter KUCI, Selim KUCI, Zyrafete BÖNIG, Halvard (74) dr. W.A.H.M. Van Borm (31) 14177312 (32) 16.07.2014 (33) European Patent Office (EPO) (47) 19.08.2020	(51) C12N 15/10 C12Q 1/68 (11) EP3277809 (21) EP16719888.6 (22) 17.03.2016 (54) ISOLATION OF NUCLEIC ACIDS (73) REVOLUGEN LIMITED (72) MINTER, Stephen John PATSON, Georgios (74) ir. H.A. Witmans c.s. (31) 201504459 (32) 17.03.2015 (33) United Kingdom (47) 24.06.2020	(51) C12Q 1/6869 C12Q 1/6886 (11) EP3524694 (21) EP19163403.9 (22) 24.12.2014 (54) METHODS AND SYSTEMS FOR DETECTING GENETIC VARIANTS (73) Guardant Health, Inc. (72) ELTOUKHY, Helmy TALASAZ, AmirAli (74) ir. M.F.J.M. Ketelaars c.s. (31) 201361921456 P 201461948509 P (32) 28.12.2013 05.03.2014 (33) United States of America United States of America (47) 15.07.2020
(51) C12N 7/00 A61K 35/76 (11) EP3443970 (21) EP18192766.6 (22) 19.09.2011 (54) ANTIBACTERIAL PHAGE, PHAGE PEPTIDES AND METHODS OF USE THEREOF (73) Tecnifar-Indústria Técnica Farmacêutica, S.A. Technophage, Investigação E Desenvolvimento Em Biotecnologia, SA (72) DA COSTA GARCIA, Miguel Ângelo SOUSA DE SÃO JOSÉ, Carlos Jorge RODRIGUES LEANDRO, Clara Isabel RODRIGUES PARDAL DIAS ANTUNES MARÇAL, Filipa Maria MARTINS BARBOSA, Ana Raquel (74) ir. W.J.J.M. Kempes (31) 38401510 P (32) 17.09.2010 (33) United States of America (47) 09.09.2020	(51) C12N 15/85 (11) EP3146057 (21) EP15723910.4 (22) 18.05.2015 (54) METHOD FOR PRODUCTION OF POLYPEPTIDES (73) F. Hoffmann-La Roche AG (72) GOEPFERT, Ulrich MORITZ, Benjamin (74) drs. C.M.A. Quintelier (31) 14168901 14191705 (32) 19.05.2014 04.11.2014 (33) European Patent Office (EPO) European Patent Office (EPO) (47) 29.07.2020	(51) C12Q 1/6886 (11) EP3090062 (21) EP14875963.2 (22) 23.12.2014 (54) FUSION GENES ASSOCIATED WITH PROGRESSIVE PROSTATE CANCER (73) University of Pittsburgh - of the Commonwealth System of Higher Education (72) LUO, Jianhua YU, Yangping NELSON, Joel B. MICHALOPOULOS, George TSENG, Chien-Cheng DING, Ying (74) J.M.H. Duyver lic. (31) 201361921836 P 201462014487 P 201462025923 P (32) 30.12.2013 19.06.2014 17.07.2014 (33) United States of America United States of America United States of America (47) 26.08.2020
(51) C12N 9/14 (11) EP2812429 (21) EP13704695.9 (22) 01.02.2013 (54) GLYCOSYLATION AS A STABILIZER FOR PHYTASE (73) Danisco US Inc. (72) GEBERT, Mark S. LEE, Sang-Kyu ORTIZ-MALDONADO, Mariliz WARD, Michael (74) ir. H.A. Witmans c.s. (31) 201261595941 P (32) 07.02.2012 (33) United States of America (47) 29.07.2020	(51) C12Q 1/02 G01N 33/48 G01N 35/08 (11) EP2856178 (21) EP13796502.6 (22) 31.05.2013 (54) DISSOLUTION GUIDED WETTING OF STRUCTURED SURFACES (73) The University of North Carolina at Chapel Hill (72) ALLBRITTON, Nancy WANG, Yuli SIMS, Christopher (74) ir. C.G.C. Veldman-Dijkers (31) 201261653783 P (32) 31.05.2012 (33) United States of America (47) 15.07.2020	(51) D01G 9/00 E04F 21/08 D04H 1/4209 D04H 1/732 (11) EP3397801 (21) EP16829286.0 (22) 23.12.2016
(51) C12N 15/09 G01N 33/50	(51) C12Q 1/6827	

(54) METHOD FOR PREPARING AN INSULATING PRODUCT MADE OF WOOL, IN PARTICULAR ROCK WOOL	SARGENT, Max LaForrest RONAN, Jeffery Joseph RUHOFF, Alan John	SAUVE, Raymond SCHUMACHER, Andrew, John GONTARSKI, Christopher
(73) SAINT-GOBAIN ISOVER	KASTNER, Steve Roy	MALINOWSKI, Jeffrey, Thomas
(72) DOVETTA, Nicolas SIBAND, Mathilde DE FRANQUEVILLE, Foucault	COLLINS, Gregory Foster NICKLES, Brantlee Burnett	(74) J.M.H. Duyver lic.
(31) 1563437	(74) ir. J.D. de Zeeuw	(31) 201361750202 P
(32) 29.12.2015	(31) 201514871583	(32) 08.01.2013
(33) France	(32) 30.09.2015	(33) United States of America
(47) 08.07.2020	(33) United States of America	(47) 12.08.2020
(51) D06M 10/02	(47) 22.07.2020	(51) E06B 9/174
D06M 10/06	(51) E04F 13/08	(11) EP3502502
D06M 15/00	E04F 21/18	(21) EP18020626.0
D06M 101/20	(11) EP3458655	(22) 04.12.2018
D07B 1/16	(21) EP17731199.0	(54) AWNING ASSEMBLY
(11) EP3287563	(22) 16.05.2017	(73) Erhardt Markisenbau GmbH
(21) EP16798614.0	(54) DEVICE FOR INSTALLING CLADDING PANELS	(72) Schock, Hans
(22) 21.06.2016	(73) Ateliers LR Etanco	Grundler, Kai
(54) ROPE AND MANUFACTURING METHOD THEREFOR	(72) LEROY, Alain	Marian, Wolfgang
(73) National Institute of Advanced Industrial Science and Technology	TOLLERET, Philippe	(31) 202017006404 U
Kagawa Prefectural Government	(74) ir. M.F.J.M. Ketelaars c.s.	(32) 13.12.2017
Takagi Kogyo Co., Ltd.	(31) 1654358	(33) Germany
(72) NAKAMURA, Takako	1750941	(47) 08.07.2020
TSUCHIYA, Tetsuo	(32) 17.05.2016	(51) E06B 9/174
SHIRAKAWA, Hiroshi	03.02.2017	E06B 9/50
TAKAGI, Toshimitsu	(33) France	(11) EP3372773
(74) ir. M.F.J.M. Ketelaars c.s.	France	(21) EP18160109.7
(47) 05.08.2020	(47) 08.07.2020	(22) 06.03.2018
(51) E02B 7/40	(51) E05B 65/08	(54) ROLLER SCREEN
E02B 7/50	E05D 15/56	(73) Renson Sunprotection Screens NV
E04B 1/66	E06B 3/52	(72) MEINSTER, John Peter
E04B 1/70	(11) EP3425149	VERFAILLIE, Koen
E04H 9/14	(21) EP18180793.4	MAERTENS, Jonas Willem
E06B 9/00	(22) 29.06.2018	VANHOUTTE, Steven Rita André
E06B 9/04	(54) LIFTING/SLIDING STRUCTURE, IN PARTICULAR LIFTING/SLIDING DOOR OR WINDOW	SOLOMANIUCK, Maxim Gustave
(11) EP2994577	(73) Gretsch-Unitas GmbH Baubeschläge	(74) J.M.H. Duyver lic.
(21) EP14793977.1	(72) WALDMÜLLER, Nikolaus	(31) 201705139
(22) 09.05.2014	WITTMANN, Werner	(32) 07.03.2017
(54) SELF-ACTUATING FLOOD GUARD	(74) ir. M.F.J.M. Ketelaars c.s.	(33) Belgium
(73) Floodbreak, LLC	(31) 202017103985 U	(47) 09.09.2020
(72) WATERS, Louis A., Jr.	(32) 04.07.2017	(51) E06B 9/262
(74) ir. F.A. Geurts c.s.	(33) Germany	E06B 9/30
(31) 201361821366 P	(47) 08.07.2020	E06B 9/322
(32) 09.05.2013	(51) E06B 3/263	E06B 9/42
(33) United States of America	(11) EP1869278	E06B 9/78
(47) 08.07.2020	(21) EP06707779.2	(11) EP3017135
(51) E03D 1/34	(22) 20.01.2006	(21) EP14734618.3
(11) EP3321435	(54) COMPOSITE PROFILE AND METHOD FOR MAKING A COMPOSITE PROFILE FOR FRAMES OF WALL ELEMENTS, DOORS AND WINDOWS	(22) 23.05.2014
(21) EP16197878.8	(73) Forster Profilsysteme AG	(54) WINDOW SHADE AND ACTUATING SYSTEM AND OPERATING METHOD THEREOF
(22) 09.11.2016	(72) EGLI, Juerg	(73) Teh Yor Co., Ltd.
(54) DRAINAGE FITTING ASSEMBLY	(31) 05102898	(72) YU, Fu-Lai
(73) Geberit International AG	(32) 13.04.2005	HUANG, Chin-Tien
(72) MAHLER, Alfred	(33) European Patent Office (EPO)	(74) ir. M.F.J.M. Ketelaars c.s.
(74) ir. J.C. Volmer c.s.	(47) 29.07.2020	(31) 201361843075 P
(47) 29.07.2020	(51) E06B 9/11	(32) 05.07.2013
(51) E04D 13/03	E06B 9/58	(33) United States of America
(11) EP3356615	(11) EP2943635	(47) 22.07.2020
(21) EP16781056.3	(21) EP14737977.0	(51) E21B 17/02
(22) 30.09.2016	(22) 08.01.2014	H02G 1/10
(54) SKYLIGHT MOUNTING SYSTEM AND ASSEMBLY	(54) ROLL-UP DOOR WITH A WIND LOCK	H02G 3/22
(73) VKR Holding A/S	(73) Rytec Corporation	F03D 80/80
(72) BRINTION, James Eric	(72) DRIFKA, Brian	(11) EP3453087
RIMSKY, Charles Joseph		(21) EP17723491.1
WATERS, Michael James		(22) 05.05.2017
		(54) MOUNTING METHODS AND ASSEMBLIES FOR LONGITUDINALLY EXTENSIVE MEMBERS

(73) Tekmar Energy Limited	(11) EP2761133	F04B 49/22
(72) SIMPSON, Jack	(21) EP12780939.0	F16K 31/122
CLAYTON, Richard	(22) 25.09.2012	(11) EP3298277
HUGHES, Alex	(54) APPARATUS FOR EVALUATING ROCK	(21) EP16726033.0
ROWLANDS, Phil	PROPERTIES WHILE DRILLING USING	(22) 17.05.2016
(74) dr. A. Krebs	DRILLING RIG-MOUNTED ACOUSTIC	(54) VALVE FOR A RECIPROCATING
(31) 201607905	SENSORS	COMPRESSOR
(32) 05.05.2016	(73) Saudi Arabian Oil Company	(73) Nuovo Pignone Tecnologie - S.r.l.
(33) United Kingdom	(72) YANG, Yunlai	(72) BABBINI, Alberto
(47) 12.08.2020	LUO, Yi	ORSI, Gianni
(51) E21B 17/042	(74) ir. H.A. Witmans c.s.	MALECI, Riccardo
(11) EP3418617	(31) 201161539213 P	PUCCINELLI, Federico
(21) EP16890675.8	201161539201 P	(31) UB20150797
(22) 16.12.2016	201213554470	(32) 22.05.2015
(54) THREADED JOINT FOR OIL WELL	201213554298	(33) Italy
TUBING	(32) 26.09.2011	(47) 01.07.2020
(73) JFE Steel Corporation	26.09.2011	(51) F16H 21/12
(72) KAWAI Takamasa	20.07.2012	(11) EP3472493
KANAYAMA Taro	20.07.2012	(21) EP17748913.5
YOSHIKAWA Masaki	(33) United States of America	(22) 21.06.2017
SEKI Haruhiko	United States of America	(54) DEVICE FOR FORCE TRANSMISSION
UETA Masateru	United States of America	(73) KKD - Getriebebau UG
TAKANO Jun	United States of America	(72) PLATH, Klaus
YONEYAMA Tsuyoshi	(47) 24.06.2020	(74) ir. W.J.J.M. Kempes
(74) ir. J.C. Volmer c.s.	(51) F01D 5/18	(31) 102016111342
(31) 2016029653	F01D 5/22	102016111610
(32) 19.02.2016	(11) EP3249161	(32) 21.06.2016
(33) Japan	(21) EP17170989.2	24.06.2016
(47) 05.08.2020	(22) 15.05.2017	(33) Germany
(51) E21B 33/06	(54) COOLING PASSAGE FOR GAS	Germany
(11) EP3400366	TURBINE ROTOR BLADE	(47) 08.07.2020
(21) EP16884225.0	(73) General Electric Company	(51) F16M 11/04
(22) 29.12.2016	(72) WILLETT JR., Fred Thomas	F16M 11/06
(54) PRESSURE ASSISTED MOTOR	(31) 201615163027	F16M 11/18
OPERATED RAM ACTUATOR FOR	(32) 24.05.2016	F16M 11/20
WELL PRESSURE CONTROL DEVICE	(33) United States of America	F16M 13/00
(73) Noble Drilling Services, Inc.	(47) 01.07.2020	G03B 3/10
(72) DEUL, Hans H., j.	(51) F01D 5/20	(11) EP3396225
O'NEILL, Patrick	(11) EP2666967	(21) EP15911087.3
VAN KUILENBURG, Robert	(21) EP13168387.2	(22) 23.12.2015
SIBREL, Matthew	(22) 17.05.2013	(54) SUPPORT MECHANISM, ADJUSTING
IANKOV, Ivan	(54) Turbine rotor blade	APPARATUS AND PAN TILT HEAD FOR
(74) dr. A. Krebs	(73) General Electric Company	USE WITH SAME
(31) 201662274829 P	(72) Lacy, Benjamin Paul	(73) SZ DJI Osmo Technology Co., Ltd.
(32) 05.01.2016	Arness, Brian Peter	(72) ZHAO, Yanchong
(33) United States of America	Zhang, Xiuzhang James	LI, Weidong
(47) 05.08.2020	(31) 201213479663	LIU, Guoyao
(51) E21B 43/00	(32) 24.05.2012	(74) ir. F.A. Geurts c.s.
G01V 11/00	(33) United States of America	(47) 15.07.2020
G01V 99/00	(47) 01.07.2020	(51) F17C 13/08
(11) EP2567063	(51) F02M 59/44	(11) EP3115676
(21) EP11777738.3	F02M 61/16	(21) EP16175110.2
(22) 14.03.2011	(11) EP3105450	(22) 17.06.2016
(54) ARTIFACT REDUCTION IN METHOD	(21) EP15700292.4	(54) TANK CONTAINER WITH INCREASED
OF ITERATIVE INVERSION OF	(22) 13.01.2015	VOLUME AND LOAD CAPACITY
GEOPHYSICAL DATA	(54) HIGH PRESSURE FUEL PUMP	(73) BASF SE
(73) ExxonMobil Upstream Research	(73) Delphi Technologies IP Limited	Van Hool NV
Company	(72) MARSDEN, Ben	(72) Taeymans, Erik
(72) KREBS, Jerome R.	PANAYIOTOU, Andreas	Bieker, Thorsten
LEE, Sunwoong	MERCER, Adam	(74) ir. J.P.E. Brants
CHA, Young, Ho	(74) J.M.H. Duyver lic.	(31) 201505375
(74) ir. W.J.J.M. Kempes	(31) 201402528	(32) 19.06.2015
(31) 332463 P	(32) 13.02.2014	(33) Belgium
(32) 07.05.2010	(33) United Kingdom	(47) 05.08.2020
(33) United States of America	(47) 05.08.2020	(51) F21S 8/02
(47) 08.07.2020	(51) F04B 7/02	F21V 21/30
(51) E21B 47/14	F04B 39/08	F21V 25/12
E21B 49/00	F04B 39/10	F21V 31/00

(11) EP3594559	F25D 23/06	(47) 22.07.2020
(21) EP19170487.3	F25D 23/08	(51) G01B 17/02
(22) 23.04.2019	(11) EP3460368	(11) EP3519765
(54) LIGHTING UNIT	(21) EP17824052.9	(21) EP17800736.5
(73) Collingwood Lighting Limited	(22) 26.06.2017	(22) 02.11.2017
(72) Johnson, Mark	(54) HEAT INSULATION BOX	(54) ULTRASONIC MEASURING ASSEMBLY
Harby, Adrian	MANUFACTURING METHOD AND	AND METHOD FOR DETECTING THE
(74) dr. A. Krebs	HEAT INSULATION BOX	WALL THICKNESS OF A PIPE
(31) 201811313	(73) PHC Holdings Corporation	(73) Siemens Aktiengesellschaft
(32) 10.07.2018	(72) KABUMOTO, Takanari	(72) CLOSSEN-VON LANKEN SCHULZ,
(33) United Kingdom	MIZUMOTO, Kenichi	Michael
(47) 09.09.2020	(74) ir. J.C. Volmer c.s.	FRANK, Stefan
(51) F23C 3/00	(31) 2016135697	KAHLERT, Philipp
F23D 14/02	(32) 08.07.2016	NENDEL, Stefan
F23D 14/10	(33) Japan	OBERMAYR, Stefan
F24H 1/26	(47) 05.08.2020	(74) ir. M.F.J.M. Ketelaars c.s.
F28D 7/14	(51) F41H 1/02	(31) 102016223807
F23D 99/00	(11) EP3408607	(32) 30.11.2016
(11) EP3368824	(21) EP17703033.5	(33) Germany
(21) EP16802171.5	(22) 13.01.2017	(47) 08.07.2020
(22) 20.10.2016	(54) TEXTILE ITEM OF CLOTHING	(51) G01C 21/20
(54) FIRED HEAT EXCHANGER	(73) Hexonia GmbH	G01C 21/32
(73) AIC Spółka Akcyjna	(72) HEXELS, Gerd	G06K 9/00
(72) SIEMIENCZUK, Tomasz	(74) mr. ir. J. van Breda c.s.	G06K 9/46
(74) dr. A. Krebs	(31) 102016101453	G06K 9/62
(31) 41451615	(32) 27.01.2016	(11) EP3108207
(32) 26.10.2015	(33) Germany	(21) EP15705372.9
(33) Poland	(47) 29.07.2020	(22) 16.02.2015
(47) 24.06.2020	(51) F42B 8/12	(54) DETERMINING THE POSITION OF A
(51) F24F 13/22	F42B 12/34	MOBILE DEVICE IN A GEOGRAPHICAL
F25B 49/02	F42B 12/74	AREA
F24F 11/00	F42B 30/02	(73) Oxford University Innovation Limited
(11) EP2831513	(11) EP3494357	(72) TRIGONI, Niki
(21) EP13769067.3	(21) EP17748727.9	XIAO, Zhuoling
(22) 29.03.2013	(22) 02.08.2017	(74) ir. M.F.J.M. Ketelaars c.s.
(54) ENCLOSURE COOLING USING EARLY	(54) SOLID METAL BULLET, TOOL SYSTEM	(31) 20140100087
COMPRESSOR TURN-OFF WITH	AND METHOD FOR PRODUCING	201405469
EXTENDED FAN OPERATION	SOLID METAL BULLETS	(32) 17.02.2014
(73) Google LLC	(73) RUAG Ammotec GmbH	27.03.2014
(72) MATSUOKA, Yoky	(72) SPANNER, Florian	(33) Greece
STEFANSKI, Mark D.	RIESS, Heinz	United Kingdom
SLOO, David	STIER, Marcus	(47) 24.06.2020
(74) ir. M.F.J.M. Ketelaars c.s.	(74) ir. R. Wijnstra	(51) G01D 5/353
(31) 201213434573	(31) 102016009571	G01H 9/00
(32) 29.03.2012	(32) 05.08.2016	(11) EP3265757
(33) United States of America	(33) Germany	(21) EP16709553.8
(47) 22.07.2020	(47) 24.06.2020	(22) 07.03.2016
(51) F24H 1/28	(51) G01B 11/25	(54) METHOD AND APPARATUS FOR
F24H 1/52	G01S 17/46	OPTICAL SENSING
F24H 9/00	G01S 17/93	(73) Silixa Ltd.
F28D 7/00	G05D 1/02	(72) FARHADIROUSHAN, Mahmoud
F28D 7/02	(11) EP3152593	PARKER, Tom
F28D 7/16	(21) EP15727962.1	SHATALIN, Sergey
F28F 1/42	(22) 05.06.2015	(74) J.M.H. Duyver lic.
F28F 3/04	(54) DEVICE FOR DETECTING AN	(31) 201503861
F28F 9/013	OBSTACLE BY MEANS OF	(32) 06.03.2015
(11) EP2828587	INTERSECTING PLANES AND	(33) United Kingdom
(21) EP13718417.2	DETECTION METHOD USING SUCH A	(47) 19.08.2020
(22) 15.03.2013	DEVICE	(51) G01F 1/66
(54) DUAL PURPOSE HEAT EXCHANGER	(73) Softbank Robotics Europe	(11) EP3505875
(73) AIC Spółka Akcyjna	(72) MAISONNIER, Bruno	(21) EP18212468.5
(72) PACHOLSKI, Adam	ZIEGLER, Jörg	(22) 13.12.2018
(74) dr. A. Krebs	CLERC, Vincent	(54) ULTRASOUND FLOW METER WITH
(31) 39860712	GARCIA, Nicolas	FLOW-OPTIMISED MEASURING TUBE
(32) 23.03.2012	(74) ir. H.A. Witmans c.s.	(73) Stebatec AG
(33) Poland	(31) 1455098	(72) HESSE, Kilian
(47) 12.08.2020	(32) 05.06.2014	(74) ir. H.A. Witmans c.s.
(51) F25D 11/00	(33) France	(31) 15242017

(32) 14.12.2017	(54) METHOD FOR DETERMINING THE	G01S 5/16
(33) Switzerland	ACTUAL TEMPERATURE ASSOCIATED	G01S 17/74
(47) 05.08.2020	WITH A THERMAL ASSET	G01S 17/87
(51) G01G 11/00	(73) Peeeks B.V.	(11) EP2941772
G01G 19/14	(72) ROBERS, Egbert Wouter Joghum	(21) EP14788994.3
(11) EP3234521	BEIJER, David	(22) 07.01.2014
(21) EP15823022.7	VERMEER, Kaz Marc	(54) OPTICAL GUIDANCE SYSTEM USING
(22) 14.12.2015	(74) ir. H.Th. van den Heuvel c.s.	MUTUALLY DISTINCT SIGNAL-
(54) WEIGHING UNIT AND METHOD FOR	(31) 2016045	MODIFYING SENSORS
WEIGHING CONTAINERS	(32) 28.12.2015	(73) Ascentia Imaging, Inc.
(73) I.M.A. Industria Macchine Automatiche	(33) Netherlands	(72) DOWSKI, Edward
S.p.A.	(47) 01.07.2020	JOHNSON, Gregory
(72) CASTELLARI, Pierluigi	(51) G01M 5/00	(74) J.M.H. Duyver lic.
PALPATI, Mario	(11) EP2659252	(31) 201361749764 P
(74) ir. M.F.J.M. Ketelaars c.s.	(21) EP11802374.6	201361754853 P
(31) BO20140701	(22) 19.12.2011	201361810849 P
(32) 15.12.2014	(54) METHOD AND APPARATUS FOR	201361871426 P
(33) Italy	DETERMINING LOAD OF A WIND	201361906289 P
(47) 15.07.2020	TURBINE BLADE	(32) 07.01.2013
(51) G01G 11/00	(73) LM WP Patent Holding A/S	21.01.2013
G01G 21/23	(72) PHILIPSEN, Morten	11.04.2013
(11) EP3485241	JENSEN, Lars, Erik	29.08.2013
(21) EP17757907.5	(74) ir. A. Blokland c.s.	19.11.2013
(22) 17.07.2017	(31) 10197351	(33) United States of America
(54) A WEIGHING SYSTEM	(32) 30.12.2010	United States of America
(73) Optimus Sorter Holding B.V.	(33) European Patent Office (EPO)	United States of America
(72) STRONKHORST, Willem Dagobert	(47) 22.07.2020	United States of America
(74) ir. W.J.J.M. Kempes	(51) G01R 29/08	United States of America
(31) 2017181	G01S 7/36	(47) 01.07.2020
(32) 18.07.2016	(11) EP3405801	(51) G01S 7/40
(33) Netherlands	(21) EP17701660.7	G01S 7/41
(47) 22.07.2020	(22) 19.01.2017	G01S 13/04
(51) G01G 19/02	(54) ELECTROMAGNETIC INTERFERENCE	G01S 13/46
G08G 1/02	INDICATOR AND RELATED METHOD	G01S 13/86
(11) EP3276313	(73) Qinetiq Limited	G06F 3/01
(21) EP16181259.9	(72) HOAD, Richard	G06F 3/03
(22) 26.07.2016	HERKE, David Louis	G06K 9/00
(54) WIM SENSOR WITH SENSOR	(74) dr. A. Krebs	(11) EP3201726
PACKAGE	(31) 201601134	(21) EP15777773.1
(73) Kistler Holding AG	(32) 21.01.2016	(22) 18.09.2015
(72) Pfluger, Kim	(33) United Kingdom	(54) NON-LINE-OF-SIGHT RADAR-BASED
(74) dr. A. Krebs	(47) 29.07.2020	GESTURE RECOGNITION
(47) 02.09.2020	(51) G01R 33/34	(73) Google LLC
(51) G01K 7/00	(11) EP1751571	(72) POUPLYREV, Ivan
G01K 7/16	(21) EP05760581.8	(74) ir. M.F.J.M. Ketelaars c.s.
G01K 7/18	(22) 06.05.2005	(31) 201462059099 P
(11) EP3100013	(54) MULTI-CURRENT ELEMENTS FOR	(32) 02.10.2014
(21) EP14880518.7	MAGNETIC RESONANCE RADIO	(33) United States of America
(22) 30.12.2014	FREQUENCY COILS	(47) 22.07.2020
(54) AN APPARATUS AND ASSOCIATED	(73) REGENTS OF THE UNIVERSITY OF	(51) G01T 1/24
METHODS FOR TEMPERATURE	MINNESOTA	G01T 1/29
SENSING	(72) VAUGHAN, JR., J. Thomas	G21K 1/02
(73) Nokia Technologies Oy	ADRIANY, Gregor	G21K 1/10
(72) WHITE, Richard	SNYDER, Carl	(11) EP3353576
HARRIS, Nadine	AKGUN, Can E.	(21) EP16849101.7
KIVIOJA, Jani	TIAN, Jinfeng	(22) 05.09.2016
(74) dr. W.A.H.M. Van Borm	UGURBIL, Kamil	(54) MODULAR X-RAY DETECTOR
(31) 201401611	VAN DE MOORTELE, Pierre-Francois	(73) Prismatic Sensors AB
(32) 30.01.2014	MOELLER, Steen	(72) DANIELSSON, Mats
(33) United Kingdom	(74) ir. H.A. Witmans c.s.	KARLSSON, Staffan
(47) 02.09.2020	(31) 568889 P	(74) ir. M.F.J.M. Ketelaars c.s.
(51) G01K 7/42	569810 P	(31) 201562232030 P
H02J 3/14	(32) 07.05.2004	(32) 24.09.2015
(11) EP3397931	11.05.2004	(33) United States of America
(21) EP16825918.2	(33) United States of America	(47) 01.07.2020
(22) 21.12.2016	United States of America	(51) G01T 1/26
	(47) 15.07.2020	G01T 1/29
	(51) G01S 1/70	(11) EP3458878

(21) EP17723993.6	(54) CAMERA MODULE	(74) ir. W.J.J.M. Kempes
(22) 15.05.2017	(73) LG Innotek Co., Ltd.	(31) 201710854843
(54) PARTICLE DETECTOR MADE OF A SEMICONDUCTOR MATERIAL	(72) CHOI, Yong Bok	(32) 20.09.2017
(73) Université d'Aix Marseille	(74) dr. A. Ellens c.s.	(33) China
Centre National de la Recherche Scientifique CNRS	(31) 20150118535	(47) 12.08.2020
(72) VERVISCH, Wilfried Vivian Roland	(32) 24.08.2015	(51) G05B 19/4062
OTTAVIANI, Laurent	(33) Korea (Republic)	(11) EP3535627
BIONDO, Stéphane	(47) 01.07.2020	(21) EP17781538.8
HURTADO EP VERVISCH, Vanessa Laurence Jill	(51) G03G 15/08	(22) 01.09.2017
(74) J.M.H. Duyver lic.	G03G 21/16	(54) SYSTEM AND METHOD FOR OPERATING A CUTTING MACHINE
(31) 1654382	G03G 21/18	(73) Chetocorporation, S.A.
(32) 17.05.2016	(11) EP3146392	(72) TAVARES ANDRÉ, Sérgio David
(33) France	(21) EP15881026.7	(31) 2016109638
(47) 01.07.2020	(22) 01.09.2015	(32) 28.09.2016
(51) G01V 3/22	(54) DEVELOPING CARTRIDGE	(33) Portugal
G01V 3/28	(73) Brother Kogyo Kabushiki Kaisha	(47) 19.08.2020
E21B 47/09	(72) FUKAMACHI, Yasuo	(51) G06F 3/01
(11) EP3164572	TAGUCHI, Kazuna	H04M 1/27
(21) EP15738209.4	KANDA, Takuya	H04M 1/67
(22) 30.06.2015	(74) ir. M.F.J.M. Ketelaars c.s.	H04M 1/725
(54) ELECTROMAGNETIC TIME-LAPSE REMOTE SENSING OF RESERVOIR CONDITIONS	(31) 2015022608	(11) EP3091422
(73) Saudi Arabian Oil Company	(32) 06.02.2015	(21) EP15166909.0
(72) SENA, Armando R.	(33) Japan	(22) 08.05.2015
(74) ir. H.A. Witmans c.s.	(47) 29.07.2020	(54) METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR ENTERING OPERATIONAL STATES BASED ON AN INPUT TYPE
(31) 201414323120	(51) G03G 21/16	(73) Nokia Technologies Oy
(32) 03.07.2014	(11) EP2829923	(72) Vilermo, Miikka
(33) United States of America	(21) EP14168721.0	Ozcan, Koray
(47) 15.07.2020	(22) 16.05.2014	(74) dr. W.A.H.M. Van Borm
(51) G02B 5/18	(54) Substrate mounting structure, developer container, image forming unit, image forming apparatus, and substrate mounting method	(47) 24.06.2020
H01L 51/50	(73) Oki Data Corporation	(51) G06F 3/06
H01L 51/52	(72) Fujii, Masashi	(11) EP3449352
H01L 51/56	(74) dr. A. Krebs	(21) EP17724158.5
(11) EP3005436	(31) 2013106436	(22) 01.05.2017
(21) EP14738884.7	(32) 20.05.2013	(54) SELF-ORGANIZING STORAGE SYSTEM FOR ASYNCHRONOUS STORAGE SERVICE
(22) 28.05.2014	(33) Japan	(73) NetApp, Inc.
(54) METHOD OF FORMING AN ORGANIC LIGHT EMITTING DIODE STRUCTURE	(47) 09.09.2020	(72) SLIK, David, Anthony
(73) Lomox Limited	(51) G03G 21/16	(74) ir. M.F.J.M. Ketelaars c.s.
(72) COPNER, Nigel Joseph	G03G 21/18	(31) 201615143098
(74) ir. M.F.J.M. Ketelaars c.s.	(11) EP3486728	(32) 29.04.2016
(31) 201309602	(21) EP19151006.4	(33) United States of America
(32) 29.05.2013	(22) 22.08.2016	(47) 22.07.2020
(33) United Kingdom	(54) DEVELOPING CARTRIDGE AND IMAGE FORMING APPARATUS INCLUDING THE SAME	(51) G06F 3/12
(47) 29.07.2020	(73) BROTHER KOGYO KABUSHIKI KAISHA	H04N 1/32
(51) G02B 27/01	(72) Itabashi, Nao	H04N 1/44
H04N 13/395	(74) ir. M.F.J.M. Ketelaars c.s.	G06F 21/31
(11) EP3100099	(47) 22.07.2020	G06F 21/60
(21) EP15743704.7	(51) G05B 15/02	(11) EP3271858
(22) 30.01.2015	G05B 19/418	(21) EP16768005.7
(54) MULTI-FOCAL DISPLAY SYSTEM AND METHOD	G06F 13/42	(22) 15.03.2016
(73) Magic Leap, Inc.	H04B 3/54	(54) OUTPUT APPARATUS, PROGRAM, OUTPUT SYSTEM, AND OUTPUT METHOD
(72) CHENG, Hui-Chuan	H04L 9/08	(73) Ricoh Company, Ltd.
(74) ir. W.J.J.M. Kempes	H04L 29/06	(72) MORI, Keisuke
(31) 201461934572 P	(11) EP3460607	YAMASHITA, Akihiro
(32) 31.01.2014	(21) EP17210928.2	(74) ir. H.A. Witmans c.s.
(33) United States of America	(22) 28.12.2017	(31) 2015057336
(47) 01.07.2020	(54) METHOD AND APPARATUS FOR IMPLEMENTING SECURITY OF BROADBAND BUS ARCHITECTURE IN INDUSTRIAL INTERNET FIELD	(32) 20.03.2015
(51) G03B 27/04	(73) Kyland Technology Co., Ltd.	(33) Japan
H04N 5/225	(72) Lv, Zhiyong	(47) 19.08.2020
(11) EP3343895	Huang, Yi	(51) G06F 11/36
(21) EP16839597.8	Cao, Hao	
(22) 24.08.2016		

(11) EP3418896	(54) MASTER DEVICE FOR USING CONNECTION ATTRIBUTE OF ELECTRONIC ACCESSORIES	(72) Fatih, Selahattin
(21) EP181706888.8	(73) Apple Inc.	(74) ir. A. Blokland c.s.
(22) 03.05.2018	(72) KAPOOR, Daman	(31) 102018107415
(54) SELF-LEARNING ROBOTIC PROCESS AUTOMATION	(74) WATSON, Robert Doran	(32) 28.03.2018
(73) Accenture Global Solutions Limited	(74) ir. A.R. Aalbers	(33) Germany
(72) HALL, Simon	(31) 201414560474	(47) 15.07.2020
SCHIOPU, Vitalie	201414560649	(51) G06F 21/33
VAN DEN HEUVEL, Jeroen	(32) 04.12.2014	G06F 21/53
JACQUOT, Adrien	04.12.2014	G06F 21/57
(74) ir. J.D. de Zeeuw	(33) United States of America	G06F 8/30
(31) 201715632099	United States of America	G06F 8/34
(32) 23.06.2017	(47) 08.07.2020	G06F 8/52
(33) United States of America	(51) G06F 15/80	G06F 8/61
(47) 22.07.2020	G06F 9/30	G06F 8/72
(51) G06F 12/0811	G06F 9/38	G06F 8/76
G06F 12/0817	(11) EP3241120	(11) EP3314495
G06F 12/0895	(21) EP15875951.4	(21) EP16738290.2
G06F 12/1045	(22) 14.12.2015	(22) 24.06.2016
G06F 9/30	(54) METHODS, APPARATUS, INSTRUCTIONS AND LOGIC TO PROVIDE VECTOR PACKED TUPLE CROSS-COMPARISON FUNCTIONALITY	(54) WRAPPING UNMANAGED APPLICATIONS ON A MOBILE DEVICE
(11) EP3380943	(73) Intel Corporation	(73) Citrix Systems, Inc.
(21) EP16869033.7	(72) VALENTINE, Robert	(72) WALKER, James
(22) 28.09.2016	HUGHES, Christopher, J.	LANG, Zhongmin
(54) INSTRUCTION AND LOGIC FOR CACHE CONTROL OPERATIONS	CHARNEY, Mark, J.	BARTON, Gary
(73) Intel Corporation	SPERBER, Zeev	ARAVINDAKSHAN, Vipin
(72) SASANKA, Ruchira	GRADSTEIN, Amit.	(74) ir. M.F.J.M. Ketelaars c.s.
(74) ir. W.J.J.M. Kempes	RUBANOVICH, Simon	(31) 201514752132
(31) 201514948830	GEBIL, Yuri	(32) 26.06.2015
(32) 23.11.2015	OULD-AHMED-VALL, Elmoustapha	(33) United States of America
(33) United States of America	(74) ir. W.J.J.M. Kempes	(47) 29.07.2020
(47) 08.07.2020	(31) 201414588247	(51) G06F 21/52
(51) G06F 13/00	(32) 31.12.2014	G06F 9/30
G06F 13/38	(33) United States of America	G06F 9/38
H04L 12/70	(47) 08.07.2020	G06F 9/448
H04L 12/741	(51) G06F 21/10	(11) EP3210149
H04L 12/931	G06F 21/64	(21) EP15853035.2
(11) EP2829024	(11) EP3452941	(22) 27.08.2015
(21) EP12872210.5	(21) EP17791584.0	(54) ATTACK PROTECTION FOR VALID GADGET CONTROL TRANSFERS
(22) 19.03.2012	(22) 04.10.2017	(73) Intel Corporation
(54) TECHNIQUES FOR PACKET MANAGEMENT IN AN INPUT/OUTPUT VIRTUALIZATION SYSTEM	(54) METHOD FOR ELECTRONICALLY DOCUMENTING LICENSE INFORMATION	(72) SHANBHOGUE, Vedvyas
(73) Intel Corporation	(73) Prostep AG	SAHITA, Ravi L.
(72) DONG, Yaozu	(72) HOLLAND, Martin	BULYGIN, Yuriy
(74) ir. W.J.J.M. Kempes	LOTTER, Nobert	LI, Xiaoning
(47) 08.07.2020	(74) J.M.H. Duyver lic.	BRANDT, Jason W.
(51) G06F 13/16	(31) 102016118724	(74) ir. W.J.J.M. Kempes
G06F 13/42	(32) 04.10.2016	(31) 201414518507
(11) EP3230883	(33) Germany	(32) 20.10.2014
(21) EP15867244.4	(47) 15.07.2020	(33) United States of America
(22) 19.11.2015	(51) G06F 21/31	(47) 08.07.2020
(54) DYNAMIC BUS INVERSION WITH PROGRAMMABLE TERMINATION LEVEL	G06F 21/32	(51) G06F 21/62
(73) Intel Corporation	G06F 21/35	G06F 21/86
(72) MOZAK, Christopher P.	(11) EP3566161	(11) EP3198511
MCCALL, James A.	(21) EP18759618.4	(21) EP15781191.0
CASPER, Byran K.	(22) 24.08.2018	(22) 23.09.2015
(74) ir. W.J.J.M. Kempes	(54) SIGNATURE SYSTEM FOR VERIFYING A SIGNATURE, AND CORRESPONDING SIGNATURE METHOD	(54) REPRESENTATION OF OPERATING SYSTEM CONTEXT IN A TRUSTED PLATFORM MODULE
(31) 201414565176	(73) Fatih, Selahattin	(73) Microsoft Technology Licensing, LLC
(32) 09.12.2014		(72) THOM, Stefan
(33) United States of America		AIGNER, Ronald
(47) 08.07.2020		PAI, Navin
(51) G06F 13/38		(74) J.M.H. Duyver lic.
(11) EP3447649		(31) 201414497221
(21) EP18199657.0		(32) 25.09.2014
(22) 02.12.2015		(33) United States of America
		(47) 15.07.2020
		(51) G06K 9/00

G06K 9/62	STARKEY, Michael J.	25.11.2014
G06T 7/00	STUART, Robert	(33) United States of America
G06T 7/33	LANCE, Tamir	United States of America
G06T 7/73	MAYDAN, Dan	United States of America
H04N 13/128	(74) drs. C.M.A. Quintelier	United States of America
H04N 13/204	(31) 201462003223 P	United States of America
(11) EP3005238	201462036215 P	United States of America
(21) EP14808350.4	201462035624 P	United States of America
(22) 28.05.2014	201462048858 P	United States of America
(54) METHOD AND SYSTEM FOR	201462064260 P	United States of America
COORDINATING BETWEEN IMAGE	201462064834 P	United States of America
SENSORS	201462042615 P	United States of America
(73) Elbit Systems Land and C4I Ltd.	201414532293	United States of America
(72) GOLDMAN, Benny	201414536486	United States of America
BERGMAN, Ido	201414543546	United States of America
(74) ir. M.F.J.M. Ketelaars c.s.	201414543580	United States of America
(31) 22675113	201462081200 P	United States of America
(32) 04.06.2013	201414548081	United States of America
(33) Israel	201414550676	United States of America
(47) 02.09.2020	201414530405	United States of America
(51) G06K 9/34	201414560577	United States of America
G06K 9/46	201414566278	United States of America
G06T 7/00	201414565820	United States of America
G06T 7/11	201414572206	United States of America
G06T 7/155	201414577593	United States of America
(11) EP3329458	201414586025	United States of America
(21) EP15748405.6	201414585917	United States of America
(22) 29.07.2015	201514594439	United States of America
(54) SYSTEMS AND METHODS FOR	201562103816 P	United States of America
AUTOMATED SEGMENTATION OF	201514605695	United States of America
INDIVIDUAL SKELETAL BONES IN 3D	201562111757 P	United States of America
ANATOMICAL IMAGES	201562113250 P	United States of America
(73) PerkinElmer Health Sciences, Inc.	201562134176 P	United States of America
PerkinElmer Cellular Technologies	201514674983	(47) 19.08.2020
Germany GmbH	201562150426 P	(51) G06T 3/00
(72) BEHROOZ, Ali	201462082904 P	G06T 11/60
KASK, Peet	201414552761	G06T 11/80
(74) J.M.H. Duyver lic.	(32) 27.05.2014	(11) EP3035289
(47) 19.08.2020	12.08.2014	(21) EP14836323.7
(51) G06K 19/077	11.08.2014	(22) 07.08.2014
(11) EP3408799	11.09.2014	(54) METHOD AND DEVICE FOR
(21) EP17707369.9	15.10.2014	ADSORBING STRAIGHT LINE/LINE
(22) 25.01.2017	16.10.2014	SEGMENT, AND METHOD AND
(54) METHOD FOR MANUFACTURING A	27.08.2014	DEVICE FOR CONSTRUCTING
SMART CARD MODULE AND A SMART	04.11.2014	POLYGON
CARD	07.11.2014	(73) Intsig Information Co., Ltd.
(73) Linxens Holding	12.11.2014	(72) LONG, Teng
(72) EYMARD, Eric	17.11.2014	WANG, Yue
(74) ir. W.J.J.M. Kempes	18.11.2014	ZHEN, Lixin
(31) 1650587	19.11.2014	GUO, Fengjun
(32) 26.01.2016	21.11.2014	ZHANG, Bin
(33) France	31.10.2014	DING, Kai
(47) 08.07.2020	04.12.2014	CHEN, Qingshan
(51) G06Q 10/04	10.12.2014	(74) ir. F.A. Geurts c.s.
G06Q 50/06	10.12.2014	(31) 201310357997
(11) EP3489848	16.12.2014	(32) 16.08.2013
(21) EP18215615.8	19.12.2014	(33) China
(22) 26.05.2015	30.12.2014	(47) 24.06.2020
(54) METHOD FOR MANUFACTURING	30.12.2014	(51) G06T 9/00
SOLAR CELL MODULES	12.01.2015	G10L 19/038
(73) SunPower Corporation	15.01.2015	(11) EP3193332
(72) MORAD, Ratson	26.01.2015	(21) EP17152782.3
ALMOGY, Gilad	04.02.2015	(22) 12.07.2012
SUEZ, Itai	06.02.2015	(54) VECTOR QUANTIZATION
HUMMEL, Jean	17.03.2015	(73) Nokia Technologies Oy
BECKETT, Nathan	31.03.2015	(72) VASILACHE, Adriana
LIN, Yafu	21.04.2015	RĂMĂ, Anssi
GANNON, John	21.11.2014	LAAKSONEN, LASSE

(74) dr. W.A.H.M. Van Borm	G06Q 20/40	(73) Sony Corporation
(47) 02.09.2020	G06F 21/34	(72) SAITO, Kimihiro
(51) G06T 13/00	G06F 21/36	HORIGOME, Toshihiro
A63G 31/00	(11) EP3410332	(74) ir. W.J.J.M. Kempes
A63G 31/16	(21) EP18174972.2	(31) 2015235804
G02B 27/01	(22) 29.05.2018	(32) 02.12.2015
A63F 13/00	(54) A SYSTEM AND METHOD FOR	(33) Japan
A63F 13/25	TRANSFERRING DATA TO AN	(47) 26.08.2020
(11) EP3294428	AUTHENTICATION DEVICE	(51) G16H 10/20
(21) EP16793668.1	(73) OneSpan International GmbH	G16H 40/67
(22) 14.05.2016	(72) JOLY, Bernard	G16H 50/20
(54) METHOD FOR DISPLAYING	(74) ir. W.J.J.M. Kempes	(11) EP2771863
AUGMENTED REALITY WITH	(31) 17020229	(21) EP12844474.2
PRIVACY-SENSITIVE CONSUMER	(32) 29.05.2017	(22) 23.10.2012
CAMERAS COUPLED TO AUGMENTED	(33) European Patent Office (EPO)	(54) ENHANCING DIAGNOSIS OF
REALITY SYSTEMS	(47) 08.07.2020	AUTISM THROUGH ARTIFICIAL
(73) Magic Leap, Inc.	(51) G10L 19/008	INTELLIGENCE AND MOBILE
(72) BRADSKI, Gary R.	(11) EP3414760	HEALTH TECHNOLOGIES WITHOUT
(74) ir. W.J.J.M. Kempes	(21) EP17706610.7	COMPROMISING ACCURACY
(31) 201562161665 P	(22) 03.02.2017	(73) President and Fellows of Harvard
(32) 14.05.2015	(54) ENCODING OF MULTIPLE AUDIO	College
(33) United States of America	SIGNALS	(72) WALL, Dennis
(47) 01.07.2020	(73) Qualcomm Incorporated	(74) dr. A. Krebs
(51) G06T 13/20	(72) CHEBIYYAM, Venkata Subrahmanyam	(31) 201161550695 P
A63H 33/04	Chandra Sekhar	201161567572 P
A63H 33/08	ATTI, Venkatraman	201261682110 P
G09B 19/10	(74) ir. M.F.J.M. Ketelaars c.s.	(32) 24.10.2011
(11) EP3509053	(31) 201662294946 P	06.12.2011
(21) EP17845795.8	201715422988	10.08.2012
(22) 30.05.2017	(32) 12.02.2016	(33) United States of America
(54) INFORMATION PROCESSING	02.02.2017	United States of America
DEVICE, INFORMATION PROCESSING	(33) United States of America	United States of America
METHOD, AND PROGRAM	United States of America	(47) 08.07.2020
(73) Sony Corporation	(47) 01.07.2020	(51) G16H 20/10
(72) SATOH, Ayaka	(51) G10L 19/02	G16H 20/17
OKUMURA, Mitsuo	(11) EP3268960	G16H 50/50
SASAKI, Takehiko	(21) EP16709331.9	(11) EP2748747
ISOZU, Masaaki	(22) 07.03.2016	(21) EP12826823.2
TAKAHASHI, Shohei	(54) AUDIO ENCODER, AUDIO DECODER,	(22) 26.08.2012
NOZUE, Marika	METHOD FOR ENCODING AN	(54) METHOD, SYSTEM AND COMPUTER
(74) ir. W.J.J.M. Kempes	AUDIO SIGNAL AND METHOD FOR	READABLE MEDIUM FOR ADAPTIVE
(31) 2016168986	DECODING AN ENCODED AUDIO	ADVISORY CONTROL OF DIABETES
(32) 31.08.2016	SIGNAL	(73) University of Virginia Patent Foundation
(33) Japan	(73) Fraunhofer-Gesellschaft zur Förderung	(72) PATEK, Stephen, D.
(47) 26.08.2020	der angewandten Forschung e.V.	KOVATCHEV, Boris, P.
(51) G06T 15/00	(72) EDLER, Bernd	(74) J.M.H. Duyver lic.
G06T 15/04	HELMRICH, Christian	(31) 201161528129 P
G09G 5/36	NEUENDORF, Max	(32) 26.08.2011
(11) EP3129973	SCHUBERT, Benjamin	(33) United States of America
(21) EP15772568.0	(74) ir. F.A. Geurts c.s.	(47) 26.08.2020
(22) 23.03.2015	(31) 15158253	(51) G21C 9/016
(54) GRADIENT ADJUSTMENT	PCT/EP2015/063658	G21C 15/18
FOR TEXTURE MAPPING FOR	(32) 09.03.2015	(11) EP3236474
MULTIPLE RENDER TARGETS WITH	17.06.2015	(21) EP15870436.1
RESOLUTION THAT VARIES BY	(33) European Patent Office (EPO)	(22) 16.11.2015
SCREEN LOCATION	World Intellectual Property Office (WIPO)	(54) CONFINEMENT AND COOLING
(73) Sony Interactive Entertainment LLC	(47) 24.06.2020	OF MELT FROM THE CORE OF A
(72) CERNY, Mark Evan	(51) G11B 7/005	NUCLEAR REACTOR
(74) ir. W.J.J.M. Kempes	G11B 7/007	(73) Joint Stock Company
(31) 201414246062	G11B 20/10	"Atomenergoproekt"
(32) 05.04.2014	G11B 20/18	(72) NEDOREZOV, Andrey Borisovich
(33) United States of America	G11B 7/24073	SIDOROV, Aleksandr Stalevich
(47) 15.07.2020	(11) EP3385952	(74) ir. M.F.J.M. Ketelaars c.s.
(51) G09C 5/00	(21) EP16870478.1	(31) 2014150937
H04L 9/32	(22) 21.11.2016	(32) 16.12.2014
H04L 29/06	(54) INFORMATION PROCESSING	(33) Russian Federation
H04W 12/06	DEVICE, INFORMATION PROCESSING	(47) 08.07.2020
G06Q 20/32	METHOD, AND PROGRAM	(51) G21C 19/08

G21D 1/02	(47) 29.07.2020	H01M 2/20
G21F 7/00	(51) H01L 21/336	H01M 10/613
(11) EP3364420	H01L 29/40	H01M 10/643
(21) EP15911987.4	H01L 29/423	H01M 10/653
(22) 31.12.2015	H01L 29/78	(11) EP3472877
(54) DRY STORAGE FACILITY WITH	(11) EP3089216	(21) EP17734013.0
WASTE HEAT EXHAUST AND	(21) EP14875355.1	(22) 19.06.2017
VENTILATION SYSTEM FOR SPENT	(22) 04.12.2014	(54) RECHARGEABLE BATTERY MODULE
NUCLEAR FUEL	(54) SPLIT-GATE POWER	HAVING OPTIMIZED CURRENT
(73) Tsinghua University	SEMICONDUCTOR FIELD-EFFECT	CONDUCTION
(72) WANG, Jinhua	TRANSISTOR	(73) Commeo GmbH
ZHANG, Zuoyi	(73) Zhongshan Honson Electronic	(72) SCHNAKENBERG, Michael
LI, Yue	Technologies Limited	(74) dr. W.A.H.M. Van Borm
WU, Bin	(72) NG, Chun Wai	(31) 202016103251 U
(74) dr. A. Krebs	SIN, Johnny Kin On	(32) 20.06.2016
(47) 24.06.2020	LIANG, Jiajin	(33) Germany
(51) H01F 3/14	(74) dr. J. van Straaten	(47) 15.07.2020
H01F 37/00	(31) 13114188	(51) H01M 2/10
H02M 1/12	(32) 23.12.2013	H01M 2/20
(11) EP2850622	(33) Hong Kong	H01M 10/613
(21) EP12726436.4	(47) 23.09.2020	H01M 10/643
(22) 06.06.2012	(51) H01L 33/00	H01M 10/653
(54) INTEGRAL INDUCTOR	H01L 33/02	(11) EP3472878
ARRANGEMENT	H01L 33/04	(21) EP17734014.8
(73) SMA Solar Technology AG	H01L 33/06	(22) 19.06.2017
(72) HANDZEL, Milosz	H01L 33/10	(54) RECHARGEABLE BATTERY
DOMAGALA, Stefan	H01L 33/12	MODULE HAVING OPTIMIZED HEAT
RYLKO, Marek	H01L 33/14	DISSIPATION
WALCZAK, Mariusz	H01L 33/30	(73) Commeo GmbH
GWADERA, Mariusz	(11) EP3073538	(72) SCHNAKENBERG, Michael
DZIEKAN, Artur	(21) EP16162140.4	(74) dr. W.A.H.M. Van Borm
(74) ir. M.F.J.M. Ketelaars c.s.	(22) 24.03.2016	(31) 202016103251 U
(31) 39923312	(54) RED LIGHT EMITTING DEVICE AND	(32) 20.06.2016
(32) 18.05.2012	LIGHTING SYSTEM	(33) Germany
(33) Poland	(73) LG Innotek Co., Ltd.	(47) 15.07.2020
(47) 29.07.2020	(72) KO, Eun Bin	(51) H01M 10/44
(51) H01H 1/22	KIM, Yong Jun	H02J 7/00
H01H 9/46	HONG, Ki Yong	H01M 10/0525
H01H 83/14	JEONG, Byung Hak	(11) EP2493050
(11) EP3146550	(74) dr. A. Ellens c.s.	(21) EP12001170.5
(21) EP15726040.7	(31) 20150041302	(22) 22.02.2012
(22) 19.05.2015	20150041303	(54) Parallel connection of electrical storage
(54) SWITCHING DEVICE	20150041304	devices
(73) Eaton Intelligent Power Limited	(32) 25.03.2015	(73) Torqeedo GmbH
(72) TETIK, Adolf	25.03.2015	(72) Biebach, Jens
DOBUSCH, Gerhard	25.03.2015	Böbel, Friedrich, Dr.
(74) J.M.H. Duyver lic.	(33) Korea (Republic)	(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102014107070	Korea (Republic)	(31) 11001501
(32) 20.05.2014	Korea (Republic)	(32) 23.02.2011
(33) Germany	(47) 01.07.2020	(33) European Patent Office (EPO)
(47) 01.07.2020	(51) H01L 35/32	(47) 08.07.2020
(51) H01L 21/02	H01L 35/34	(51) H01R 4/02
H01L 21/20	(11) EP3544068	H01R 4/72
H01L 21/762	(21) EP19150957.9	H05B 3/84
(11) EP3352197	(22) 09.01.2019	(11) EP3235340
(21) EP16846379.2	(54) METHOD OF PRODUCTION OF	(21) EP15791312.0
(22) 09.09.2016	THERMOELECTRIC MICRO-COOLERS	(22) 10.11.2015
(54) METHOD FOR PRODUCING A	(73) RMT Limited	(54) PANE WITH AN ELECTRICAL
COMPOSITE SIC SUBSTRATE	(72) ANOSOV, Vasilii Sergeevich	CONNECTION ELEMENT AND A
(73) Shin-Etsu Chemical Co., Ltd.	VOLKOV, Mikhail Petrovich	FLEXIBLE CONNECTION CABLE
CUSIC Inc.	NAZARENKO, Alexander Aleksandrovich	(73) SAINT-GOBAIN GLASS FRANCE
(72) AKIYAMA Shoji	SUROV, Denis Yevgenievich	(72) REUL, Bernhard
KUBOTA Yoshihiro	(74) J.M.H. Duyver lic.	RATEICZAK, Mitja
NAGASAWA Hiroyuki	(31) 2018109990	SCHMALBUCH, Klaus
(74) ir. M.F.J.M. Ketelaars c.s.	(32) 21.03.2018	(74) ir. F.A. Geurts c.s.
(31) 2015181908	(33) Russian Federation	(31) 14198186
(32) 15.09.2015	(47) 12.08.2020	(32) 16.12.2014
(33) Japan	(51) H01M 2/10	(33) European Patent Office (EPO)

(47) 15.07.2020	(32) 28.07.2015	(73) Nokia Technologies Oy
(51) H01R 4/18	(33) Germany	(72) VASILACHE, Adriana
H01R 9/05	(47) 29.07.2020	LAAKSONEN, Lasse Juhani
H01R 101/00	(51) H02M 3/156	RÄMÖ, Anssi
(11) EP2559105	(11) EP2885861	TAMMI, Mikko Tapio
(21) EP11714945.0	(21) EP13750327.2	(74) dr. W.A.H.M. Van Borm
(22) 13.04.2011	(22) 16.08.2013	(47) 02.09.2020
(54) DEVICE FOR ELECTRICALLY CONNECTING A CABLE, IN PARTICULAR A PLUG-IN CONNECTOR PART	(54) A CURRENT-MODE CONTROLLER FOR STEP-DOWN (BUCK) CONVERTER	(51) H04B 7/06
(73) Pfisterer Kontaktsysteme GmbH	(73) Telefonaktiebolaget LM Ericsson (publ)	H04B 7/0452
(72) FRANK, Erich	(72) LABBE, Benoît	(11) EP3484063
(74) ir. J.C. Volmer c.s.	(74) ir. M.F.J.M. Ketelaars c.s.	(21) EP17306578.0
(31) 102010014981	(31) 201261684225 P	(22) 14.11.2017
(32) 14.04.2010	201313935630	(54) PRE-CODING STEERING MATRIX FOR MU-MIMO COMMUNICATION SYSTEMS
(33) Germany	(32) 17.08.2012	(73) Rivierawaves (RW)
(47) 29.07.2020	05.07.2013	(72) MEILHAC, Lisa
(51) H01R 13/639	(33) United States of America	BAZZI, Ahmad
H01R 25/14	United States of America	(74) ir. W.J.J.M. Kempes
H02B 1/16	(47) 22.07.2020	(47) 24.06.2020
H02B 3/00	(51) H03H 17/02	(51) H04B 7/216
H02G 5/00	G10L 19/02	(11) EP1917739
H02G 5/06	(11) EP3454471	(21) EP06789892.4
(11) EP3288131	(21) EP18171733.1	(22) 22.08.2006
(21) EP16185576.2	(22) 01.09.2006	(54) METHOD AND APPARATUS FOR ADJUSTING CHANNEL QUALITY INDICATOR FEEDBACK PERIOD TO INCREASE UPLINK CAPACITY
(22) 24.08.2016	(54) EFFICIENT FILTERING WITH A COMPLEX MODULATED FILTERBANK	(73) InterDigital Technology Corporation
(54) BUSBAR TRUNKING SYSTEM	(73) Dolby International AB	(72) MARINIER, Paul
(73) ANORD MARDIX DATABAR BUSWAY LIMITED	(72) Villemoes, Lars	CASTOR, Douglas, R.
(72) LEWIS, Wayne	(74) J.M.H. Duyver lic.	(74) ir. M.F.J.M. Ketelaars c.s.
LIPPIATT, Paul Richard	(31) 76259206 P	(31) 710986 P
TIMBRELL, Martin Peter	74455906 P	(32) 24.08.2005
(74) ir. W.J.J.M. Kempes	(32) 27.01.2006	(33) United States of America
(47) 05.08.2020	10.04.2006	(47) 24.06.2020
(51) H01R 24/76	(33) United States of America	(51) H04J 3/06
A47B 21/06	United States of America	H04L 5/14
H01R 13/516	(47) 26.08.2020	H04L 27/26
H01R 13/66	(51) H03K 5/153	H04W 56/00
H01R 13/74	H04L 25/02	(11) EP3226448
H01R 27/02	H04L 25/03	(21) EP17020154.5
(11) EP3072186	H04L 25/14	(22) 22.06.2009
(21) EP14863881.0	H04L 25/49	(54) METHOD AND APPARATUS FOR FRAME DETECTION IN A COMMUNICATIONS SYSTEM
(22) 19.11.2014	(11) EP3427455	(73) CommScope Technologies LLC
(54) DEVICE FOR PROVIDING ELECTRIC AND/OR COMMUNICATION CONNECTION IN A BOARD	(21) EP17712639.8	(72) Stratford, Scott
(73) Kondator AB	(22) 09.03.2017	Vucich, David
(72) AXEEN, Anders	(54) INTELLIGENT EQUALIZATION FOR A THREE-TRANSMITTER MULTI-PHASE SYSTEM	(74) ir. J.D. de Zeeuw
WESTERLUND, Jan	(73) Qualcomm Incorporated	(31) 144961
(74) ir. W.J.J.M. Kempes	(72) LEE, Chulkyu	(32) 24.06.2008
(31) 1351393	CHOU, Shih-Wei	(33) United States of America
(32) 22.11.2013	WILEY, George	(47) 05.08.2020
(33) Sweden	(74) ir. M.F.J.M. Ketelaars c.s.	(51) H04J 3/06
(47) 29.07.2020	(31) 201662306024 P	H04L 12/28
(51) H02K 7/102	201715453352	H04W 48/18
H02K 7/116	(32) 09.03.2016	H04W 56/00
(11) EP3329580	08.03.2017	(11) EP2404470
(21) EP15820859.5	(33) United States of America	(21) EP10748379.4
(22) 23.12.2015	United States of America	(22) 05.02.2010
(54) BRAKING MECHANISM FOR AN ELECTRIC DRIVE MOTOR	(47) 29.07.2020	(54) BEACONING MODE FOR WIRELESS COMMUNICATION
(73) Dewertokin GmbH	(51) H03M 7/30	(73) Nokia Technologies Oy
(72) KUHN, Christin	G10L 19/038	(72) KASSLIN, Mika
MÜLLER, Christian	H04N 19/94	TIRRONEN, Mikko
MÜLLER, Sven	(11) EP3367381	LEPPÄNEN, Kari
(74) ir. A. Ferguson	(21) EP18166266.9	VIRTANEN, Sami
(31) 202015103948 U	(22) 15.02.2008	
	(54) AUDIO QUANTIZING BY REDUCED-COMPLEXITY VECTOR INDEXING	

(74) dr. W.A.H.M. Van Borm	H04L 5/00	10.09.2015
(31) 396834	H04L 27/26	15.09.2015
(32) 03.03.2009	(11) EP3047593	06.10.2015
(33) United States of America	(21) EP13776592.1	08.10.2015
(47) 19.08.2020	(22) 17.09.2013	17.11.2015
(51) H04J 3/16	(54) METHODS AND APPARATUS FOR	(33) United States of America
H04L 12/46	UPLINK RESOURCE ASSIGNMENT	United States of America
H04L 12/52	(73) Telefonaktiebolaget LM Ericsson (publ)	United States of America
H04L 12/721	(72) HESSLER, Martin	United States of America
(11) EP3468110	FRÖBERG OLSSON, Jonas	United States of America
(21) EP16907809.4	ERIKSSON, Erik	United States of America
(22) 06.07.2016	GUNNARSSON, Fredrik	United States of America
(54) DATA TRANSMISSION METHOD AND	(74) ir. A. Blokland c.s.	United States of America
FORWARDING DEVICE	(47) 02.09.2020	United States of America
(73) Huawei Technologies Co., Ltd.	(51) H04L 1/00	United States of America
(72) DU, Zongpeng	H04L 27/26	(47) 01.07.2020
CHEN, Guoyi	(11) EP3398275	(51) H04L 5/00
DONG, Jie	(21) EP16829213.4	H04W 24/02
WANG, Xinyuan	(22) 30.12.2016	H04W 72/04
GONG, Jun	(54) WAVEFORM BASED DATA INTEGRITY	H04W 88/08
(74) ir. W.J.J.M. Kempes	CHECK AND ERROR CORRECTION	(11) EP2921018
(47) 09.09.2020	(73) IDAC Holdings, Inc.	(21) EP13854264.2
(51) H04J 11/00	(72) PAN, Kyle Jung-Lin	(22) 13.11.2013
H04W 16/32	XI, Fengjun	(54) SECONDARY CELL ACTIVATION
H04W 48/10	YI, Byung K.	DELAY INDICATION
H04W 48/20	OLESEN, Robert L.	(73) Nokia Technologies Oy
H04W 52/02	(74) ir. M.F.J.M. Ketelaars c.s.	(72) DALSGAARD, Lars
H04W 52/14	(31) 201562273966 P	KOSKINEN, Jussi-Pekka
H04W 52/24	(32) 31.12.2015	KOSKELA, Jarkko
H04W 52/28	(33) United States of America	(74) dr. W.A.H.M. Van Borm
H04W 52/38	(47) 08.07.2020	(31) 201261725992 P
H04W 52/44	(51) H04L 1/18	(32) 13.11.2012
(11) EP2915385	H04W 74/00	(33) United States of America
(21) EP13789954.8	H04W 74/08	(47) 02.09.2020
(22) 01.11.2013	(11) EP3297384	(51) H04L 5/00
(54) WIRELESS COMMUNICATION IN	(21) EP16793001.5	H04W 36/00
HETEROGENEOUS NETWORKS	(22) 12.05.2016	H04W 36/08
(73) BlackBerry Limited	(54) METHOD FOR ADJUSTING	(11) EP3210424
(72) CAI, Zhijun	CONTENTION WINDOW SIZE IN	(21) EP14805382.0
ZHU, Yajun	WIRELESS ACCESS SYSTEM	(22) 11.11.2014
FREEMAN, David, Nigel	SUPPORTING UNLICENSED BAND,	(54) HANDLING HANDOVER OF AN UE IN
PURNADI, Rene Waraputra	AND DEVICE FOR SUPPORTING	CASE CELL SPECIFIC REFERENCE
(74) dr. W.A.H.M. Van Borm	SAME	SIGNALS INTERFER WITH A
(31) 201213667838	(73) LG Electronics Inc.	PHYSICAL DOWNLINK CONTROL
(32) 02.11.2012	(72) KIM, Seonwook	CHANNEL
(33) United States of America	AHN, Joonkui	(73) Telefonaktiebolaget LM Ericsson (publ)
(47) 09.09.2020	YANG, Suckchel	(72) JONSSON, Mikael
(51) H04L 1/00	KIM, Kijun	BUDIC, Miroslav
(11) EP2944044	KIM, Byounghoon	HEDLUND, Leo
(21) EP13824267.2	SEO, Hanbyul	MANN, Karl
(22) 26.12.2013	PARK, Hanjun	MÜLLER, Walter
(54) IDENTIFYING MODULATION AND	HWANG, Daesung	(74) ir. A. Blokland c.s.
CODING SCHEMES AND CHANNEL	(74) J.M.H. Duyver lic.	(31) 201462066391 P
QUALITY INDICATORS	(31) 201562160597 P	(32) 21.10.2014
(73) Qualcomm Incorporated	201562165158 P	(33) United States of America
(72) CHEN, Wanshi	201562204411 P	(47) 19.08.2020
GAAL, Peter	201562207901 P	(51) H04L 5/02
LUO, Tao	201562213119 P	H04L 27/26
XU, Hao	201562216996 P	(11) EP3474483
(74) ir. M.F.J.M. Ketelaars c.s.	201562219101 P	(21) EP18188777.9
(31) 201361750601 P	201562237587 P	(22) 11.09.2001
201314140098	201562238706 P	(54) SIGNALING METHOD AND
(32) 09.01.2013	201562256589 P	APPARATUS IN AN OFDM MULTIPLE
24.12.2013	(32) 12.05.2015	ACCESS SYSTEM
(33) United States of America	21.05.2015	(73) QUALCOMM Incorporated
United States of America	12.08.2015	(72) LARROIA, Rajiv
(47) 29.07.2020	20.08.2015	LI, Junyi
(51) H04L 1/00	02.09.2015	UPPALA, Sathyadev Venkata

(74) ir. M.F.J.M. Ketelaars c.s. (31) 230937 P 805887 (32) 13.09.2000 15.03.2001 (33) United States of America United States of America (47) 29.07.2020	NETWORK HAVING A PLURALITY OF VIRTUALISED NETWORK FUNCTIONS (73) Thales Institut Mines Telecom (72) WION, Adrien BOUET, Mathieu CONAN, Vania IANNONE, Luigi (74) ir. A.R. Aalbers (31) 1701081 (32) 17.10.2017 (33) France (47) 24.06.2020	(32) 09.02.2016 (33) European Patent Office (EPO) (47) 24.06.2020
(51) H04L 9/08 H04L 9/30 H04L 9/32 (11) EP3529948 (21) EP17787028.4 (22) 09.10.2017 (54) COMPOSITE DIGITAL SIGNATURES (73) Cybernetica AS (72) BULDAS, Ahto LAUD, Peeter ORUAAS, Mart KALU, Aivo (74) ir. M.F.J.M. Ketelaars c.s. (31) 201617620 (32) 18.10.2016 (33) United Kingdom (47) 22.07.2020	(51) H04L 12/26 H04L 29/08 H04L 29/12 H04L 12/721 G06F 16/957 (11) EP2834960 (21) EP14728807.0 (22) 06.06.2014 (54) DOMAIN NAME SYSTEM BYPASS IN USER APPLICATIONS (73) Fastly Inc. (72) BERGMAN, Artur WISTOW, Simon MCMULLEN, Tyler (74) dr. W.A.H.M. Van Borm (31) 201361832604 P (32) 07.06.2013 (33) United States of America (47) 12.08.2020	(51) H04L 29/06 H04L 29/08 H04W 12/02 G06F 21/60 (11) EP3166040 (21) EP16196812.8 (22) 02.11.2016 (54) DATA ENCRYPTION SYSTEM (73) Leadot Innovation, Inc. (72) Wang, Justin (74) ir. A.R. Aalbers (31) 104136096 (32) 03.11.2015 (33) Taiwan, Province of China (47) 08.07.2020
(51) H04L 9/30 (11) EP1889391 (21) EP06785921.5 (22) 29.06.2006 (54) SCALAR RECODING FOR ELLIPTIC CURVE POINT MULTIPLICATION (73) Microsoft Technology Licensing, LLC (72) ZHU, Bin FENG, Min LI, Shipeng (74) ir. M.F.J.M. Ketelaars c.s. (31) 173251 (32) 01.07.2005 (33) United States of America (47) 26.08.2020	(51) H04L 27/26 H04W 56/00 (11) EP3425971 (21) EP17210913.4 (22) 28.12.2017 (54) SYNCHRONIZATION METHOD AND APPARATUS ON THE BASIS OF A FIELD BROADBAND BUS ARCHITECTURE OF INDUSTRIAL INTERNET (73) Kyland Technology Co., Ltd. (72) Shao, Zhihui Shi, Jing Zhong, Hui Huang, Yi (74) ir. W.J.J.M. Kempes (31) 201710543469 (32) 05.07.2017 (33) China (47) 29.07.2020	(51) H04L 29/06 H04W 12/08 H04W 48/14 (11) EP3382985 (21) EP18160606.2 (22) 07.03.2018 (54) SECURE PROVISION OF INPUTS TO A DISPLAY TRANSMITTER DEVICE (73) INTEL Corporation (72) CHOWDHURY, Rajneesh VEERAMANI, Karthik POORNACHANDRAN, Rajesh (74) ir. W.J.J.M. Kempes (31) 201715474488 (32) 30.03.2017 (33) United States of America (47) 08.07.2020
(51) H04L 12/24 H04L 12/26 H04L 29/06 H04W 24/08 (11) EP3219078 (21) EP15801939.8 (22) 11.11.2015 (54) AUTOMATED MEASUREMENT AND ANALYSIS OF END-TO-END PERFORMANCE OF VOLTE SERVICE (73) Telefonaktiebolaget LM Ericsson (publ) (72) SARKAR, Debasish SEN, Ayan SINGH, Narendra Kumar SINGH, Jaspal MONDAL, Surajit (74) ir. A. Blokland c.s. (31) 201414540306 (32) 13.11.2014 (33) United States of America (47) 22.07.2020	(51) H04L 29/06 (11) EP3414879 (21) EP17704430.2 (22) 07.02.2017 (54) USING A NON-LOCAL CRYPTOGRAPHY METHOD AFTER AUTHENTICATION (73) Secunet Security Networks AG (72) BOECKELER, Gregor CÖLLE, Niels MAIER, Thomas STOLL, Michael SCHÄFFNER, Johannes WEHR, Stephan (74) ir. H.A. Witmans c.s. (31) 16154824	(51) H04L 29/06 H04W 12/08 H04W 48/14 (11) EP3364628 (21) EP18162627.6 (22) 26.04.2010 (54) METHOD AND APPARATUS TO DISCOVER AUTHENTICATION INFORMATION IN A WIRELESS NETWORKING ENVIRONMENT (73) BlackBerry Limited (72) MCCANN, Stephen MONTEMURRO, Michael (74) dr. W.A.H.M. Van Borm (31) 172597 P 504500 (32) 24.04.2009 16.07.2009 (33) United States of America United States of America (47) 26.08.2020
(51) H04L 12/24 H04L 29/08 (11) EP3474492 (21) EP18201001.7 (22) 17.10.2018 (54) DISTRIBUTED MANAGEMENT SYSTEM FOR A COMMUNICATION	(51) H04M 1/725 H04W 12/06 G06F 21/31 (11) EP3200112 (21) EP16160888.0 (22) 17.03.2016 (54) USAGE BASED AUTHENTICATION SYSTEM (73) Tata Consultancy Services Limited (72) SIRISILLA, Nataraj TOGARCHETI, Sowmya (74) drs. P.F.H.M. van Someren c.s.	(51) H04M 1/725 H04W 12/06 G06F 21/31 (11) EP3200112 (21) EP16160888.0 (22) 17.03.2016 (54) USAGE BASED AUTHENTICATION SYSTEM (73) Tata Consultancy Services Limited (72) SIRISILLA, Nataraj TOGARCHETI, Sowmya (74) drs. P.F.H.M. van Someren c.s.

(31) 201621003562	(74) dr. W.A.H.M. Van Borm	DEVICE, VIDEO DECODING METHOD,
(32) 01.02.2016	(31) 201361812883 P	AND VIDEO DECODING PROGRAM
(33) India	(32) 17.04.2013	(73) JVC KENWOOD Corporation
(47) 29.04.2020	(33) United States of America	(72) NISHITANI, Masayoshi
(51) H04N 1/60	(47) 02.09.2020	NAKAMURA, Hiroya
(11) EP3135025	(51) H04N 19/107	FUKUSHIMA, Shigeru
(21) EP14723365.4	H04N 19/70	UEDA, Motoharu
(22) 25.04.2014	(11) EP2920971	(74) ir. M.F.J.M. Ketelaars c.s.
(54) COLOR HALFTONE PROCESSING	(21) EP13786369.2	(31) 2011272470
(73) Hewlett-Packard Development Company, L.P.	(22) 21.10.2013	2011272471
(72) MOROVIC, Peter	(54) DEVICES AND METHODS FOR	2012271418
MOROVIC, Jan	PROCESSING OF NON-IDR RELATED	2012271419
GARCIA-REYERO, Juan	SYNTAX FOR HIGH EFFICIENCY	(32) 13.12.2011
RIUS, Marti	VIDEO CODING (HEVC)	13.12.2011
(74) dr. W.A.H.M. Van Borm	(73) Google Technology Holdings LLC	12.12.2012
(47) 02.09.2020	(72) YU, Yue	12.12.2012
(51) H04N 5/353	LOU, Jian	(33) Japan
H04N 5/355	WANG, Limin	Japan
H04N 5/3745	(74) ir. H.A. Witmans c.s.	Japan
A61B 1/045	(31) 201261727659 P	Japan
A61B 1/06	201361785781 P	(47) 23.09.2020
G06T 3/40	201313864198	(51) H04N 19/124
H04N 5/225	(32) 16.11.2012	H04N 19/126
H04N 5/232	14.03.2013	H04N 19/136
H04N 5/235	16.04.2013	H04N 19/14
H04N 9/04	(33) United States of America	H04N 19/176
H04N 9/07	United States of America	H04N 19/184
(11) EP2967294	United States of America	H04N 19/196
(21) EP14763654.2	(47) 01.07.2020	H04N 19/463
(22) 14.03.2014	(51) H04N 19/119	H04N 19/50
(54) SUPER RESOLUTION AND COLOR	H04N 19/136	H04N 19/96
MOTION ARTIFACT CORRECTION IN A	H04N 19/176	(11) EP3416384
PULSED COLOR IMAGING SYSTEM	H04N 19/192	(21) EP18186970.2
(73) DePuy Synthes Products, Inc.	H04N 19/196	(22) 13.12.2012
(72) RICHARDSON, John	H04N 19/46	(54) VIDEO CODING DEVICE, VIDEO
BLANQUART, Laurent	H04N 19/70	CODING METHOD, VIDEO CODING
(74) ir. M.F.J.M. Ketelaars c.s.	H04N 19/96	PROGRAM, VIDEO DECODING
(31) 201361790487 P	(11) EP3554073	DEVICE, VIDEO DECODING METHOD,
201361790804 P	(21) EP17877999.7	AND VIDEO DECODING PROGRAM
201361791473 P	(22) 13.06.2017	(73) JVC KENWOOD Corporation
(32) 15.03.2013	(54) IMAGE CODING DEVICE, IMAGE	(72) NISHITANI, Masayoshi
15.03.2013	CODING METHOD, IMAGE CODING	NAKAMURA, Hiroya
15.03.2013	PROGRAM, IMAGE DECODING	FUKUSHIMA, Shigeru
(33) United States of America	DEVICE, IMAGE DECODING METHOD	UEDA, Motoharu
United States of America	AND IMAGE DECODING PROGRAM	(74) ir. M.F.J.M. Ketelaars c.s.
United States of America	(73) JVC Kenwood Corporation	(31) 2011272470
(47) 29.07.2020	(72) FUKUSHIMA, Shigeru	2011272471
(51) H04N 19/00	(74) ir. M.F.J.M. Ketelaars c.s.	2012271418
H04N 19/105	(31) 2016236507	2012271419
H04N 19/157	(32) 06.12.2016	(32) 13.12.2011
H04N 19/187	(33) Japan	13.12.2011
H04N 19/31	(47) 23.09.2020	12.12.2012
H04N 19/46	(51) H04N 19/124	12.12.2012
H04N 19/573	H04N 19/126	(33) Japan
H04N 19/58	H04N 19/136	Japan
H04N 19/70	H04N 19/14	Japan
(11) EP2987326	H04N 19/176	Japan
(21) EP14785343.6	H04N 19/184	(47) 23.09.2020
(22) 16.04.2014	H04N 19/196	(51) H04N 19/124
(54) AN APPARATUS, A METHOD AND A	H04N 19/463	H04N 19/126
COMPUTER PROGRAM FOR VIDEO	H04N 19/50	H04N 19/136
CODING AND DECODING	H04N 19/96	H04N 19/14
(73) Nokia Technologies Oy	(11) EP3416383	H04N 19/176
(72) LAINEMA, Jani	(21) EP18186975.1	H04N 19/184
HANNUKSELA, Miska	(22) 13.12.2012	H04N 19/196
UGUR, Kemal	(54) VIDEO CODING DEVICE, VIDEO	H04N 19/463
MALAMAL VADAKITAL, Vinod Kumar	CODING METHOD, VIDEO CODING	H04N 19/50
	PROGRAM, VIDEO DECODING	H04N 19/96

(11) EP3416385	NISHI, Takahiro	(33) Korea (Republic)
(21) EP18186973.6	SASAI, Hisao	(47) 02.09.2020
(22) 13.12.2012	SHIBAHARA, Youji	(51) H04W 36/28
(54) VIDEO CODING DEVICE, VIDEO CODING METHOD, VIDEO CODING PROGRAM, VIDEO DECODING DEVICE, VIDEO DECODING METHOD, AND VIDEO DECODING PROGRAM	SUGIO, Toshiyasu	H04W 76/19
(73) JVC KENWOOD Corporation	TANIKAWA, Kyoko	(11) EP2984871
(72) NISHITANI, Masayoshi	MATSUNOBU, Toru	(21) EP13881641.8
NAKAMURA, Hiroya	TERADA, Kengo	(22) 12.04.2013
FUKUSHIMA, Shigeru	(74) ir. W.J.J.M. Kempes	(54) PDCP OPERATION FOR DUAL CONNECTION
UEDA, Motoharu	(31) 201161548842 P	(73) Nokia Solutions and Networks Oy
(74) ir. M.F.J.M. Ketelaars c.s.	(32) 19.10.2011	(72) WU, Chunli
(31) 2011272470	(33) United States of America	SEBIRE, Benoist Pierre
2011272471	(47) 26.08.2020	(74) dr. W.A.H.M. Van Born
2012271418	(51) H04W 8/18	(47) 26.08.2020
2012271419	H04W 8/20	(51) H04W 48/02
(32) 13.12.2011	H04W 8/24	(11) EP3574682
13.12.2011	H04W 12/04	(21) EP17719828.0
12.12.2012	H04W 48/06	(22) 19.04.2017
12.12.2012	H04W 48/16	(54) ACCESS BARRING TECHNIQUES IN A CONNECTED MODE
(33) Japan	H04W 48/18	(73) Telefonaktiebolaget LM Ericsson (Publ)
Japan	H04W 4/02	(72) HÖGLUND, Andreas
Japan	(11) EP3466131	WÄNSTEDT, Stefan
(47) 23.09.2020	(21) EP16728873.7	YAVUZ, Emre
(51) H04N 19/126	(22) 01.06.2016	SUSITAIVAL, Riikka
H04N 19/129	(54) REMOTE PROVISION OF A SUBSCRIBER ENTITY	(74) ir. A. Blokland c.s.
H04N 19/162	(73) Telefonaktiebolaget LM Ericsson (PUBL)	(31) 201762451148 P
H04N 19/176	(72) LI, Qiang	(32) 27.01.2017
H04N 19/463	HOLM, Tomas	(33) United States of America
(11) EP2777264	BERGENWALL, Thomas	(47) 29.07.2020
(21) EP12788295.9	(74) ir. A. Blokland c.s.	(51) H04W 48/04
(22) 23.10.2012	(47) 05.08.2020	H04W 48/16
(54) IMAGE CODING APPARATUS, IMAGE CODING METHOD, IMAGE DECODING APPARATUS, IMAGE DECODING METHOD, AND STORAGE MEDIUM	(51) H04W 16/14	H04W 4/02
(73) Canon Kabushiki Kaisha	H04W 72/12	(11) EP2824970
(72) SHIMA, Masato	H04W 74/00	(21) EP14188385.0
(74) J.M.H. Duyver lic.	(11) EP3295750	(22) 13.07.2012
(31) 2011243942	(21) EP16725991.0	(54) Methods and arrangements for proximity detection
2012008199	(22) 13.05.2016	(73) Telefonaktiebolaget LM Ericsson (publ)
2012057424	(54) TECHNIQUES FOR UPLINK TRANSMISSION MANAGEMENT	(72) Teyeb, Oumer
2012093113	(73) QUALCOMM Incorporated	Rune, Johan
(32) 07.11.2011	(72) VAJAPPEYAM, Madhavan Srinivasan	(74) ir. A. Blokland c.s.
18.01.2012	DAMNJANOVIC, Aleksandar	(31) 201161542616 P
14.03.2012	LUO, Tao	201261608807 P
16.04.2012	CHEN, Wanshi	201213428886
(33) Japan	GAAL, Peter	(32) 03.10.2011
Japan	(74) ir. M.F.J.M. Ketelaars c.s.	09.03.2012
Japan	(31) 201562161839 P	23.03.2012
Japan	201615153656	(33) United States of America
(47) 29.07.2020	(32) 14.05.2015	United States of America
(51) H04N 19/433	12.05.2016	United States of America
H04N 19/58	(33) United States of America	(47) 02.09.2020
H04N 19/70	United States of America	(51) H04W 48/08
(11) EP2770734	(47) 29.07.2020	H04W 74/04
(21) EP12841179.0	(51) H04W 16/18	H04W 84/12
(22) 28.09.2012	H04W 24/10	H04W 88/10
(54) IMAGE CODING METHOD AND IMAGE CODING DEVICE	(11) EP2625893	(11) EP2508038
(73) Sun Patent Trust	(21) EP11830870.9	(21) EP10834893.9
(72) WAHADANIAH, Viktor	(22) 04.10.2011	(22) 23.09.2010
LIM, Chong Soon	(54) APPARATUS AND METHOD FOR CONTROLLING MDT MEASUREMENT REPORT IN 3GPP SYSTEM	(54) BSS/PBSS SUPPORT AND SCHEDULE-FREE NETWORKING IN 60GHz
NAING, Sue Mon Thet	(73) Samsung Electronics Co., Ltd	(73) Intel Corporation
SUN, Hai Wei	(72) KIM, Sang Bum	(72) CORDEIRO, Carlos
	KIM, Soeng Hun	(74) ir. W.J.J.M. Kempes
	JEONG, Kyeung In	(31) 630426
	(74) ir. M.F.J.M. Ketelaars c.s.	(32) 03.12.2009
	(31) 20100096490	(33) United States of America
	(32) 04.10.2010	

(47) 08.07.2020	(51) H04W 74/00
(51) H04W 52/14	(11) EP3335501
(11) EP3484214	(21) EP16742426.6
(21) EP17826926.2	(22) 22.06.2016
(22) 06.07.2017	(54) FIRST COMMUNICATION DEVICE AND METHODS THEREIN, FOR SENDING ONE OR MORE CONTROL SIGNALS TO A SECOND COMMUNICATION DEVICE
(54) METHOD, APPARATUS AND EQUIPMENT FOR CONTROLLING UPLINK TRANSMISSION POWER AND STORAGE MEDIUM	
(73) China Academy of Telecommunications Technology	(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) GAO, Xuejuan LIU, Songtao PAN, Xueming	(72) MUKHERJEE, Amitav KOORAPATY, Havish CHENG, Jung-Fu
(74) ir. A. Blokland c.s.	(74) ir. A. Blokland c.s.
(31) 201610543468	(31) 201562205036 P
(32) 11.07.2016	(32) 14.08.2015
(33) China	(33) United States of America
(47) 09.09.2020	(47) 12.08.2020
(51) H04W 52/14	(51) H04W 76/27
H04W 52/22	(11) EP2274933
H04W 52/24	(21) EP08753946.6
H04W 52/38	(22) 09.05.2008
H04W 72/04	(54) METHOD AND APPARATUSES FOR SEAMLESS HANDOVER BETWEEN 3GPP AND NON- 3GPP NETWORKS
(11) EP3432649	(73) Telefonaktiebolaget LM Ericsson (publ)
(21) EP18193790.5	(72) RÖNNEKE, Hans RYDNELL, Gunnar SANDER, Ann-Christine WALKER, John, Michael
(22) 03.05.2012	
(54) RADIO NETWORK NODE, USER EQUIPMENT AND METHODS THEREIN FOR	
(73) Telefonaktiebolaget LM Ericsson (publ)	(74) ir. A. Blokland c.s.
(72) ERIKSSON, Erik ASTELY, David	(47) 19.08.2020
(74) ir. A. Blokland c.s.	(51) H05B 45/375
(47) 08.07.2020	(11) EP3557948
(51) H04W 64/00	(21) EP19155402.1
H04W 88/08	(22) 05.02.2019
(11) EP3314961	(54) DIMMER SWITCH FOR INERTIA-FREE ILLUMINANT AND DIMMING METHOD
(21) EP15739694.6	(73) Insta GmbH
(22) 28.06.2015	(72) Grosch, Volker Herzog, Dirk Hopp, Christian Wüller, Stefan
(54) DETERMINING THE POSITION OF A WIRELESS DEVICE USING REMOTE RADIO HEADS	
(73) Telefonaktiebolaget LM Ericsson (publ)	(74) ir. H.J.G. Lips c.s.
(72) SKÄRBY, Ulf OVESJÖ, Fredrik SKÄRBY, Christian LIGHTSTONE, Leonard TESSIER, Stéphane	(31) 102018109045 (32) 17.04.2018 (33) Germany (47) 09.09.2020
(74) ir. A. Blokland c.s.	
(47) 05.08.2020	
(51) H04W 72/00	
H04W 72/04	
H04W 4/00	
(11) EP3461204	
(21) EP18199871.7	
(22) 12.06.2012	
(54) TELECOMMUNICATIONS METHOD AND SYSTEM	
(73) SCA IPLA Holdings Inc.	
(72) DARWOOD, Peter MCNAMARA, Darren	
(74) ir. W.J.J.M. Kempes	
(31) 201109987	
(32) 14.06.2011	
(33) United Kingdom	
(47) 26.08.2020	

EP4**Voor Nederland verleende gewijzigde Europese octrooien.
Contains data concerning European patents granted in amended form (B2 or B3 publications).**

- | | |
|--|---|
| (51) A61K 31/351 | (11) EP1759021 |
| A61K 31/70 | (21) EP05740015.2 |
| C07D 309/12 | (22) 03.05.2005 |
| C07H 19/06 | (54) EXTRACTION OF CONSTITUENTS |
| (11) EP2896397 | FROM SUGAR BEET CHIPS |
| (21) EP14194507.1 | (73) Südzucker Aktiengesellschaft Mannheim/
Ochsenfurt |
| (22) 30.07.2004 | (72) ARNOLD, Jochen |
| (54) Novel compounds having inhibitory
activity against sodium-dependant
glucose transporter | FRENZEL, Stefan |
| (73) Mitsubishi Tanabe Pharma Corporation | MICHELBERGER, Thomas |
| (74) ir. M.F.J.M. Ketelaars c.s. | SCHEUER, Timo |
| (72) Nomura, Sumihiro | (31) 102004028782 |
| Kawanishi, Eiji | (32) 16.06.2004 |
| Ueta, Kiichiro | (33) Germany |
| (31) 491534 P | (47) 18.01.2012 |
| (32) 01.08.2003 | |
| (33) United States of America | |
| (47) 06.09.2017 | |
| (51) B21D 51/18 | |
| B65B 29/02 | |
| B65D 85/804 | |
| (11) EP2334564 | |
| (21) EP09783117.6 | |
| (22) 17.09.2009 | |
| (54) PROCESS FOR PRODUCING
BICOLOURED ALUMINIUM
CONTAINERS | |
| (73) Société des Produits Nestlé S.A. | |
| (72) OZANNE, Matthieu | |
| GERBER, Gilles | |
| (31) 08164893 | |
| (32) 23.09.2008 | |
| (33) European Patent Office (EPO) | |
| (47) 04.03.2015 | |
| (51) C12N 5/074 | |
| (11) EP2455452 | |
| (21) EP10799956.7 | |
| (22) 15.07.2010 | |
| (54) PLURIPOTENT STEM CELL THAT CAN
BE ISOLATED FROM BODY TISSUE | |
| (73) Dezawa, Mari | |
| Fujiyoshi, Yoshinori | |
| Nabeshima, Youichi | |
| Wakao, Shohei | |
| Kitada, Masaaki | |
| (74) ir. M.F.J.M. Ketelaars c.s. | |
| (72) DEZAWA, Mari | |
| FUJIYOSHI, Yoshinori | |
| NABESHIMA, Youichi | |
| WAKAO, Shohei | |
| (31) 213788 P | |
| 290159 P | |
| (32) 15.07.2009 | |
| 24.12.2009 | |
| (33) United States of America | |
| United States of America | |
| (47) 06.09.2017 | |
| (51) C13B 10/08 | |

EP5

Voor Nederland verleende gewijzigde Europese octrooien waarvoor een gewijzigde vertaling is ingediend .

Contains data concerning European patents granted for Netherlands and republished in amended form (B2 or B3 applications) in English and for which a translation in Dutch, was filed under the Dutch Patent Laws.

(51) A61K 9/00	97840	B65B 51/06
A61K 9/12	(32) 13.11.2007	B65B 61/06
A61K 9/20	13.11.2007	B65B 61/20
A61K 9/48	14.12.2007	B65B 65/00
A61K 9/68	14.12.2007	B31B 70/00
A61K 9/70	17.09.2008	(11) EP2087991
A61K 31/465	17.09.2008	(21) EP09000746.9
A61P 1/04	(33) Denmark	(22) 21.01.2009
A61P 25/16	United States of America	(54) Device for manufacturing (tobacco) bags
A61P 25/28	Denmark	(73) Focke & Co. (GmbH & Co. KG)
A61P 25/34	United States of America	(72) Roesler, Burkard
A61K 47/18	Denmark	(74) ir. J.C. Volmer c.s.
(11) EP2023958	United States of America	(31) 102008007754
(21) EP07748029.1	(47) 21.12.2011	(32) 05.02.2008
(22) 18.04.2007	(51) B21B 27/10	(33) Germany
(54) PHARMACEUTICAL PRODUCT FOR	(11) EP1829625	(47) 14.03.2012
INTRAOAL DELIVERY OF NICOTINE	(21) EP05809725.4	(51) C12Q 1/6874
COMPRISING TROMETAMOL AS	(22) 17.11.2005	(11) EP2768972
BUFFERING AGENT	(54) METHOD FOR SUPPLYING	(21) EP12766838.2
(73) McNeil AB	LUBRICATING OIL IN COLD ROLLING	(22) 21.09.2012
(72) STEEN, Per	(73) ArcelorMittal France	(54) METHODS AND COMPOSITIONS FOR
DYMITROWICS, Darek	(72) TAKAHAMA, Yoshiki, NIPPON STEEL	NUCLEIC ACID SEQUENCING
HUGERTH, Andreas	CORPORATION	(73) Illumina, Inc.
WALTERMO, Asa	SHIRAISHI, Toshiyuki, NIPPON STEEL	(72) KAIN, Robert C.
PÅLSSON, Magnus	CORPORATION	LIU, Xiaohai
OLSSON, Roland	OGAWA, Shigeru, NIPPON STEEL	FENG, Wenyi
NICKLASSON, Fredrik	CORPORATION	HIRSCHBEIN, Bernard
SCHLÜTER, Anette	VANEL, Luc	ELTOUKHY, Helmy A.
THYRESSON, Kristina	HAURET, Guy	WU, Xiaolin
MODY, Seema, K.	LAUGIER, Maxime	SMITH, Geoffrey Paul
BOSSON, Bengt	MASSON, Pascal	BOUTELL, Jonathan Mark
LINDELL, Katarina	(74) ir. A.R. Aalbers	JOSEPH, Thomas
(74) ir. M.F.J.M. Ketelaars c.s.	(31) 2004337305	SMITH, Randall
(31) 0601089	(32) 22.11.2004	SHEN, Min-Jui Richard
(32) 16.05.2006	(33) Japan	TREGIDGO, Carolyn
(33) Sweden	(47) 22.08.2012	KLAUSING, Kay
(47) 25.10.2017	(51) B41J 2/175	(74) ir. J.D. de Zeeuw
(51) A61K 31/495	(11) EP2295251	(31) 201161538294 P
A61P 25/00	(21) EP10184551.9	201261619878 P
(11) EP2219647	(22) 22.12.2006	(32) 23.09.2011
(21) EP08850935.1	(54) Use of a printing material container and	03.04.2012
(22) 12.11.2008	use of a board connectable to a printing	(33) United States of America
(54) THERAPEUTIC USES OF	apparatus	United States of America
COMPOUNDS HAVING COMBINED	(73) Seiko Epson Corporation	(47) 12.07.2017
SERT, 5-HT3 AND 5-HT1A ACTIVITY	(72) Asauchi, Noboru	(51) D04H 3/04
(73) H. Lundbeck A/S	(74) ir. H.A. Witmans c.s.	(11) EP1111114
Takeda Pharmaceuticals U.S.A. Inc.	(31) 2005372028	(21) EP00420258.6
(72) MOORE, Nicholas	2006220751	(22) 15.12.2000
DRAGHEIM, Marianne	(32) 26.12.2005	(54) Textile mesh with a reduced thickness
BATRA, Aneil	11.08.2006	(73) Chavanoz Industrie
CHON, Jin	(33) Japan	(72) Gautreau, Thierry
(74) J.M.H. Duyver lic.	Japan	(74) ir. F.A. Geurts c.s.
(31) 200701607	(47) 21.08.2013	(31) 9916002
987710 P	(51) B65B 1/02	(32) 17.12.1999
200701788	B65B 7/02	(33) France
13722	B65B 29/00	(47) 15.09.2010
200801300	B65B 43/04	

SPC**Ingeschreven en verleende certificaten.****Contains data concerning applications for- or granted Supplementary Protection Certificates.**

- (21) 301065
- (22) 30.09.2020
- (11) 301065
- (74) ir. H.A. Witmans c.s.
- (68) EP2291080
- (54) NOVEL MODULATORS OF
SPHINGOSINE PHOSPHATE
RECEPTORS
- (94) 1826
- (95) Ozanimod of een farmaceutisch
aanvaardbaar zout daarvan, in het
bijzonder ozanimodhydrochloride
- (93) EU/1/20/1442 25.05.2020

- (21) 301066
- (22) 06.10.2020
- (11) 301066
- (74) ir. M.F.J.M. Ketelaars c.s.
- (68) EP3351267
- (54) VACCINE FOR PROTECTION AGAINST
LAWSONIA INTRACELLULARIS
- (92) REG NL 123502 26.09.2019
- (94) 1826
- (95) Een niet-levende koolhydraat bevattende
samenstelling, waarbij het koolhydraat
ook in levende Lawsonia intracellularis
cellen wordt aangetroffen, in samenhang
met het uitwendige celmembraan van
deze cellen, voor toepassing als vaccin
ter bescherming tegen een infectie
met Lawsonia intracellularis, door
systemische toediening van het vaccin.
- (93) 974/01/19DIVPT 13.08.2019

VB1

Rechten waarvoor een verzoek of bezwaarschrift is ingediend conform Octrooiwet 1995 en de Algemene Wet Bestuursrecht.

Contains data concerning requests and notices of opposition under the General administrative law.

(11) EP2239109	04.12.2019	(11) EP3285725
(51) A22C 17/00	(11) EP3152991	(51) A61K 8/06
B26D 1/143	(51) A01B 39/08	A61K 8/34
B26D 5/00	A01B 39/22	A61K 8/44
B26D 5/08	(00) 49/19	A61K 8/46
B26D 5/32	04.12.2019	A61Q 5/02
B26D 5/34	(11) EP3156654	A61Q 13/00
B26D 5/42	(51) F04D 1/00	A61Q 19/10
B26D 7/00	F04D 7/04	(00) 49/19
B26D 7/01	F04D 29/16	04.12.2019
B26D 7/06	F04D 29/22	(11) EP3335802
B26D 7/08	F04D 29/42	(51) B05B 15/00
B26D 7/18	(00) 51/19	(00) 48/19
B26D 7/22	18.12.2019	27.11.2019
B26D 7/24	(11) EP3174889	(11) EP3350417
B26D 7/30	(51) A61K 31/683	(51) F01D 11/24
B26D 7/32	A61P 31/14	F01D 25/12
F16P 3/14	C07F 9/6558	F02C 7/18
(00) 49/19	(00) 47/19	(00) 50/19
04.12.2019	20.11.2019	11.12.2019
(11) EP2628396	(11) EP3193639	(11) EP3357717
(51) A23G 3/34	(51) A23D 9/007	(51) B60D 1/24
A23L 29/231	A23D 9/013	B60D 1/62
(00) 47/19	A23D 9/04	(00) 49/19
20.11.2019	C11B 3/00	04.12.2019
(11) EP2944645	C11B 3/12	(11) EP3363809
(51) C07H 1/08	C11B 5/00	(51) C07H 19/06
C12N 15/10	C11B 7/00	C07H 19/10
(00) 48/19	C11C 3/08	C07H 19/16
27.11.2019	A23L 29/00	C07H 19/20
(11) EP3000790	A23L 33/00	C07H 21/00
(51) C03B 19/10	A23L 33/10	G01N 33/53
C03C 3/06	A23L 33/105	C12Q 1/68
C03C 11/00	A23L 33/12	(00) 15/20
C03C 12/00	A23L 33/15	08.04.2020
(00) 48/19	(00) 49/19	(11) EP3363902
27.11.2019	04.12.2019	(51) C12N 9/22
(11) EP3060132	(11) EP3196049	C12N 15/10
(51) A61B 6/00	(51) B29B 7/74	C12N 15/63
A61B 6/02	B60C 1/00	(00) 48/19
A61B 6/04	C08K 3/04	27.11.2019
A61B 10/02	(00) 48/19	(11) EP3366471
(00) 49/19	27.11.2019	(51) B32B 27/36
04.12.2019	(11) EP3212720	C08L 67/02
(11) EP3061532	(51) C08G 18/58	(00) 47/19
(51) B05D 1/28	C08K 3/36	20.11.2019
B05D 3/02	C09D 5/08	(11) EP3368464
(00) 49/19	C09D 5/44	(51) B60L 1/00
04.12.2019	C09D 163/00	B60L 7/06
(11) EP3062672	C25D 13/08	B60L 7/14
(51) A47K 7/00	(00) 49/19	B60L 7/26
D04H 1/4266	04.12.2019	B66F 9/075
D04H 18/04	(11) EP3256179	B66F 9/24
(00) 49/19	(51) A61L 27/20	B60K 6/28
04.12.2019	A61L 27/50	B60K 6/34
(11) EP3085344	A61L 27/52	B60K 6/46
(51) A61F 13/02	(00) 47/19	B60L 50/40
(00) 49/19	20.11.2019	B60L 50/61

B60L 58/20
B60L 58/21
(00) 49/19
04.12.2019

(11) EP3374276
(51) B44B 5/00
B65D 5/42
(00) 48/19
27.11.2019

(11) EP3402108
(51) H04L 1/16
(00) 21/19
22.05.2019

(11) EP3498226
(51) A61F 2/24
(00) 06/20
05.02.2020

(11) EP3587433
(51) C07H 19/10
C07H 19/20
C07H 21/00
C12Q 1/68
(00) 17/20
22.04.2020

VB2

Rechten waarvoor een beslissing is genomen op een verzoek- of bezwaarschrift conform de Octrooiwet 1995.

Contains data concerning requests and notices of opposition under the General administrative law in respect of which a decision has been taken or in respect for which a report has been made.

(11) EP1587909	(00) 33/19
(51) C12N 1/00	14.08.2019
C12N 1/04	(11) EP3184526
(00) 2014/18	(51) A61K 31/395
30.04.2014	A61P 17/00
(11) EP2028278	A61P 35/00
(51) C12N 15/113	A61P 37/00
(00) 2015/06	C07D 471/04
04.02.2015	C07D 487/04
(11) EP2098355	(11) EP3321429
(51) B29C 49/42	(51) E03D 1/00
B41J 2/01	E03D 1/012
B41J 3/407	(11) EP3460008
(11) EP2479037	(51) C09D 5/00
(51) B41J 3/407	
B41J 3/54	
B41J 11/00	
(00) 28/18	
04.07.2018	
(11) EP2567607	
(51) A01B 79/00	
A01C 23/00	
(11) EP2893040	
(51) C12Q 1/68	
(00) 45/19	
06.11.2019	
(11) EP2977212	
(51) B41J 2/175	
B41J 3/407	
(00) 47/19	
20.11.2019	
(11) EP3034073	
(51) A61K 31/167	
A61K 31/57	
A61P 11/06	
(00) 15/20	
08.04.2020	
(11) EP3076917	
(51) A61J 1/05	
A61J 1/12	
A61J 1/14	
B65D 85/804	
G01D 11/24	
G01D 11/30	
G01N 27/07	
(11) EP3138910	
(51) C12N 9/22	
C12N 15/10	
C12N 15/63	
(00) 07/18	
07.02.2018	
(11) EP3176275	
(51) B22D 21/00	
C21D 1/26	
C22C 21/02	
C22F 1/043	

MED**Overige mededelingen.
Contains data concerning other communications.**

(11) EP1759021

(51) C13B 10/08

(11) EP2334564

(51) B21D 51/18

B65B 29/02

B65D 85/804

(11) EP2455452

(51) C12N 5/074

(11) EP2559509

(51) B23C 5/20

B23C 5/22

(11) EP2896397

(51) A61K 31/351

A61K 31/70

C07D 309/12

C07H 19/06

(11) EP2917819

(51) G06F 3/0485

G06F 3/0488

(11) EP3144520

(51) F02D 41/04

F02D 41/14

F02D 41/24

F02N 11/08

F02N 15/06

F02P 7/067

B60W 30/192

VRV

Verval of nietigverklaring.

Contains data concerning lapse or annulment.

(11) 1016332	(00) NP lapsed	(00) NP lapsed
(00) 05.10.2020	(11) 1038588	(11) 1042280
(00) Patent Expired	(00) 01.03.2020	(00) 01.03.2020
(11) 1016340	(00) NP lapsed	(00) NP lapsed
(00) 05.10.2020	(11) 1038609	(11) 1042282
(00) Patent Expired	(00) 01.03.2020	(00) 01.03.2020
(11) 1017405	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1040046	(11) 2000008
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1019896	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1040653	(11) 2001339
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1019960	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1040681	(11) 2002507
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1020043	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1041172	(11) 2002519
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1025481	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1041190	(11) 2002521
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1025535	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1041725	(11) 2002534
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1028224	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1041737	(11) 2002564
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1031075	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042252	(11) 2002567
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1031191	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042255	(11) 2004203
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1031226	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042257	(11) 2004275
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1031249	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042258	(11) 2006202
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1033365	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042259	(11) 2006235
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1034991	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042260	(11) 2006236
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1035007	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042263	(11) 2006245
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1035051	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042270	(11) 2006266
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1036519	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042273	(11) 2006273
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1036626	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042275	(11) 2008214
(00) NP lapsed	(00) 01.03.2020	(00) 01.03.2020
(11) 1038579	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2020	(11) 1042278	(11) 2008232
	(00) 01.03.2020	(00) 01.03.2020

(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2008233	(11) 2012313	(11) 2016258
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2008251	(11) 2012333	(11) 2016259
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2008276	(11) 2012338	(11) 2016261
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2008299	(11) 2014222	(11) 2016263
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2008313	(11) 2014226	(11) 2016281
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2008343	(11) 2014230	(11) 2016286
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2008346	(11) 2014258	(11) 2016289
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2008354	(11) 2014261	(11) 2016302
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2008357	(11) 2014262	(11) 2018272
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2008374	(11) 2014278	(11) 2018273
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2010251	(11) 2014279	(11) 2018291
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2010255	(11) 2014284	(11) 2018310
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2010286	(11) 2014286	(11) 2018322
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2010295	(11) 2014310	(11) 2018347
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2012192	(11) 2014318	(11) 2018361
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2012205	(11) 2014320	(11) 2018364
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2012242	(11) 2014333	(11) 2018379
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2012260	(11) 2014365	(11) 2018382
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2012267	(11) 2014368	(11) 2018396
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2012293	(11) 2016190	(11) 2018404
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2012304	(11) 2016212	(11) 2018408
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) NP lapsed	(00) NP lapsed	(00) NP lapsed
(11) 2012312	(11) 2016237	(11) 2018419
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) NP lapsed	(00) Patent Expired	(00) Patent Expired
(11) 2018428	(11) EP1091462	(11) EP1136084
(00) 01.03.2020	(00) 05.10.2020	(00) 01.03.2020
(00) NP lapsed	(00) Patent Expired	(00) EPV lapsed
(11) 2018431	(11) EP1091510	(11) EP1136559
(00) 01.03.2020	(00) 04.10.2020	(00) 01.03.2020
(00) NP lapsed	(00) Patent Expired	(00) EPV lapsed
(11) 2018439	(11) EP1092444	(11) EP1136764
(00) 01.03.2020	(00) 02.10.2020	(00) 01.03.2020
(00) NP lapsed	(00) Patent Expired	(00) EPV lapsed
(11) 2024260	(11) EP1092931	(11) EP1137786
(00) 14.07.2020	(00) 06.10.2020	(00) 06.10.2020
(00) Application Withdrawn	(00) Patent Expired	(00) Patent Expired
(11) 2024394	(11) EP1122366	(11) EP1138687
(00) 05.06.2020	(00) 01.03.2020	(00) 05.10.2020
(00) Application Withdrawn	(00) EPV lapsed	(00) Patent Expired
(11) 2024433	(11) EP1122394	(11) EP1139969
(00) 14.07.2020	(00) 01.03.2020	(00) 06.10.2020
(00) Application Withdrawn	(00) EPV lapsed	(00) Patent Expired
(11) 2024435	(11) EP1125695	(11) EP1145930
(00) 14.07.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Application Withdrawn	(00) EPV lapsed	(00) EPV lapsed
(11) 2024436	(11) EP1125836	(11) EP1146273
(00) 14.07.2020	(00) 01.03.2020	(00) 05.10.2020
(00) Application Withdrawn	(00) EPV lapsed	(00) Patent Expired
(11) 2024454	(11) EP1127499	(11) EP1190756
(00) 21.08.2020	(00) 01.03.2020	(00) 02.10.2020
(00) Application Withdrawn	(00) EPV lapsed	(00) Patent Expired
(11) 2024487	(11) EP1127521	(11) EP1195178
(00) 14.07.2020	(00) 01.03.2020	(00) 06.10.2020
(00) Application Withdrawn	(00) EPV lapsed	(00) Patent Expired
(11) 2024764	(11) EP1127782	(11) EP1216307
(00) 25.08.2020	(00) 01.03.2020	(00) 03.10.2020
(00) Application Withdrawn	(00) EPV lapsed	(00) Patent Expired
(11) 2024767	(11) EP1127794	(11) EP1216538
(00) 15.09.2020	(00) 01.03.2020	(00) 02.10.2020
(00) Application Withdrawn	(00) EPV lapsed	(00) Patent Expired
(11) 2024787	(11) EP1127872	(11) EP1217925
(00) 15.09.2020	(00) 01.03.2020	(00) 05.10.2020
(00) Application Withdrawn	(00) EPV lapsed	(00) Patent Expired
(11) 300361	(11) EP1127908	(11) EP1218077
(00) 07.10.2020	(00) 01.03.2020	(00) 02.10.2020
(00) SPC Expired	(00) EPV lapsed	(00) Patent Expired
(11) 350032	(11) EP1128692	(11) EP1218099
(00) 01.03.2020	(00) 01.03.2020	(00) 03.10.2020
(00) SPC lapsed	(00) EPV lapsed	(00) Patent Expired
(11) EP1088499	(11) EP1129673	(11) EP1218366
(00) 02.10.2020	(00) 01.03.2020	(00) 05.10.2020
(00) Patent Expired	(00) EPV lapsed	(00) Patent Expired
(11) EP1088848	(11) EP1130111	(11) EP1218385
(00) 02.10.2020	(00) 01.03.2020	(00) 05.10.2020
(00) Patent Expired	(00) EPV lapsed	(00) Patent Expired
(11) EP1090546	(11) EP1130200	(11) EP1218572
(00) 03.10.2020	(00) 01.03.2020	(00) 05.10.2020
(00) Patent Expired	(00) EPV lapsed	(00) Patent Expired
(11) EP1090593	(11) EP1130302	(11) EP1218751
(00) 04.10.2020	(00) 01.03.2020	(00) 02.10.2020
(00) Patent Expired	(00) EPV lapsed	(00) Patent Expired
(11) EP1090604	(11) EP1130323	(11) EP1219058
(00) 06.10.2020	(00) 01.03.2020	(00) 02.10.2020
(00) Patent Expired	(00) EPV lapsed	(00) Patent Expired
(11) EP1090884	(11) EP1132417	(11) EP1219140
(00) 05.10.2020	(00) 01.03.2020	(00) 04.10.2020
(00) Patent Expired	(00) EPV lapsed	(00) Patent Expired
(11) EP1091128	(11) EP1135785	(11) EP1220719
(00) 06.10.2020	(00) 06.10.2020	(00) 02.10.2020

(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1220774	(11) EP1235835	(11) EP1259218
(00) 05.10.2020	(00) 06.10.2020	(00) 01.03.2020
(00) Patent Expired	(00) Patent Expired	(00) EPV lapsed
(11) EP1222192	(11) EP1236555	(11) EP1259410
(00) 06.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1222294	(11) EP1236606	(11) EP1259418
(00) 02.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1222396	(11) EP1237009	(11) EP1259419
(00) 05.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1222469	(11) EP1237298	(11) EP1259684
(00) 03.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1222743	(11) EP1240904	(11) EP1259943
(00) 06.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1223801	(11) EP1253877	(11) EP1259965
(00) 03.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1224195	(11) EP1253880	(11) EP1261309
(00) 02.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1225936	(11) EP1253881	(11) EP1261404
(00) 03.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1226332	(11) EP1253887	(11) EP1263355
(00) 06.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1226422	(11) EP1253888	(11) EP1263357
(00) 06.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1230019	(11) EP1253991	(11) EP1264007
(00) 06.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1230195	(11) EP1254196	(11) EP1264490
(00) 06.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1230834	(11) EP1254238	(11) EP1265954
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1230853	(11) EP1255483	(11) EP1267931
(00) 01.03.2020	(00) 01.03.2020	(00) 03.10.2020
(00) EPV lapsed	(00) EPV lapsed	(00) Patent Expired
(11) EP1230886	(11) EP1255513	(11) EP1268030
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1231076	(11) EP1255871	(11) EP1269213
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1231823	(11) EP1256977	(11) EP1269335
(00) 01.03.2020	(00) 06.10.2020	(00) 01.03.2020
(00) EPV lapsed	(00) Patent Expired	(00) EPV lapsed
(11) EP1233317	(11) EP1257230	(11) EP1271823
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1233649	(11) EP1257347	(11) EP1276609
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1234785	(11) EP1257490	(11) EP1277070
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1234847	(11) EP1257550	(11) EP1280126
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1281128	(11) EP1340863	(11) EP1360746
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1281616	(11) EP1340951	(11) EP1360798
(00) 01.03.2020	(00) 06.10.2020	(00) 01.03.2020
(00) EPV lapsed	(00) Patent Expired	(00) EPV lapsed
(11) EP1284675	(11) EP1340952	(11) EP1361562
(00) 01.03.2020	(00) 06.10.2020	(00) 01.03.2020
(00) EPV lapsed	(00) Patent Expired	(00) EPV lapsed
(11) EP1284691	(11) EP1341069	(11) EP1361639
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1285094	(11) EP1342600	(11) EP1361961
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1285623	(11) EP1342660	(11) EP1361988
(00) 04.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1295572	(11) EP1342707	(11) EP1362023
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1295573	(11) EP1343206	(11) EP1362123
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1295574	(11) EP1344477	(11) EP1362159
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1295575	(11) EP1344579	(11) EP1362436
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1304535	(11) EP1346904	(11) EP1363332
(00) 06.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1332792	(11) EP1347021	(11) EP1364157
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1335338	(11) EP1347652	(11) EP1364420
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1338237	(11) EP1353029	(11) EP1365651
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1338250	(11) EP1356234	(11) EP1365856
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1338251	(11) EP1358393	(11) EP1365930
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1338510	(11) EP1359805	(11) EP1366018
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1338591	(11) EP1360012	(11) EP1366095
(00) 01.03.2020	(00) 06.10.2020	(00) 01.03.2020
(00) EPV lapsed	(00) Patent Expired	(00) EPV lapsed
(11) EP1338615	(11) EP1360260	(11) EP1366106
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1338851	(11) EP1360283	(11) EP1366113
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1339467	(11) EP1360401	(11) EP1366228
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1340460	(11) EP1360471	(11) EP1367929
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1367959	(11) EP1403277	(11) EP1476033
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1368407	(11) EP1409767	(11) EP1476160
(00) 01.03.2020	(00) 04.10.2020	(00) 01.03.2020
(00) EPV lapsed	(00) Patent Expired	(00) EPV lapsed
(11) EP1368465	(11) EP1445541	(11) EP1476295
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1368505	(11) EP1447230	(11) EP1476367
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1368805	(11) EP1447765	(11) EP1476528
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1370160	(11) EP1449745	(11) EP1476596
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1373363	(11) EP1449885	(11) EP1478301
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1373431	(11) EP1450295	(11) EP1479052
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1373470	(11) EP1450314	(11) EP1480550
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1374895	(11) EP1450479	(11) EP1480800
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1377184	(11) EP1452461	(11) EP1484365
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP1377305	(11) EP1453007	(11) EP1487350
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1377562	(11) EP1455152	(11) EP1487913
(00) 01.03.2020	(00) 06.10.2020	(00) 01.03.2020
(00) EPV lapsed	(00) Patent Expired	(00) EPV lapsed
(11) EP1378164	(11) EP1456346	(11) EP1492676
(00) 03.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1378310	(11) EP1457351	(11) EP1510191
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1380047	(11) EP1460481	(11) EP1510316
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1384132	(11) EP1464921	(11) EP1544725
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1389321	(11) EP1471299	(11) EP1554932
(00) 01.03.2020	(00) 01.03.2020	(00) 06.10.2020
(00) EPV lapsed	(00) EPV lapsed	(00) Patent Expired
(11) EP1398771	(11) EP1472483	(11) EP1561375
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1399672	(11) EP1472516	(11) EP1561709
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1401903	(11) EP1474353	(11) EP1563755
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1403275	(11) EP1474408	(11) EP1563814
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1564121	(11) EP1591808	(11) EP1598657
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1564718	(11) EP1592366	(11) EP1598796
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1566543	(11) EP1592560	(11) EP1599094
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1567849	(11) EP1593240	(11) EP1599551
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1568301	(11) EP1594703	(11) EP1599584
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1568671	(11) EP1594704	(11) EP1599615
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1568727	(11) EP1594805	(11) EP1599956
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1570911	(11) EP1594895	(11) EP1600481
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1571167	(11) EP1595097	(11) EP1602093
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1571386	(11) EP1595337	(11) EP1603558
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1571670	(11) EP1595969	(11) EP1603663
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1572862	(11) EP1596424	(11) EP1603703
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1575169	(11) EP1596914	(11) EP1603936
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1575275	(11) EP1597094	(11) EP1604458
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1575341	(11) EP1597124	(11) EP1605879
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1577767	(11) EP1597217	(11) EP1605957
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1577895	(11) EP1597252	(11) EP1606234
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1577910	(11) EP1597495	(11) EP1606890
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1582175	(11) EP1597614	(11) EP1608955
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP1586283	(11) EP1597727	(11) EP1609440
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1587542	(11) EP1597728	(11) EP1615680
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1590634	(11) EP1598030	(11) EP1621507
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1623957	(11) EP1708344	(11) EP1718889
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP1628772	(11) EP1711129	(11) EP1719142
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1641927	(11) EP1711213	(11) EP1719147
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1649261	(11) EP1711929	(11) EP1719509
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1660230	(11) EP1712101	(11) EP1721428
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1665495	(11) EP1713115	(11) EP1722570
(00) 21.08.2020	(00) 01.03.2020	(00) 29.04.2020
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP1670876	(11) EP1713832	(11) EP1723002
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1672368	(11) EP1713833	(11) EP1723257
(00) 02.10.2020	(00) 01.03.2020	(00) 01.03.2020
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP1679647	(11) EP1713841	(11) EP1723784
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP1689185	(11) EP1714099	(11) EP1723789
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1690805	(11) EP1716041	(11) EP1724815
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1691317	(11) EP1716045	(11) EP1725166
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1693027	(11) EP1716545	(11) EP1725345
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1693133	(11) EP1716643	(11) EP1725393
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1693323	(11) EP1717237	(11) EP1726225
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1693413	(11) EP1718217	(11) EP1729795
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1696165	(11) EP1718328	(11) EP1732715
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1698220	(11) EP1718354	(11) EP1738020
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP1700584	(11) EP1718405	(11) EP1740197
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1701207	(11) EP1718419	(11) EP1741509
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1702954	(11) EP1718566	(11) EP1742155
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP1707275	(11) EP1718678	(11) EP1752265
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1759665	(11) EP1830349	(11) EP1849270
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1763364	(11) EP1832861	(11) EP1850297
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP1764558	(11) EP1834529	(11) EP1850669
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1766243	(11) EP1835502	(11) EP1850673
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1784602	(11) EP1838087	(11) EP1850705
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1791009	(11) EP1840434	(11) EP1850774
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1792591	(11) EP1842927	(11) EP1850783
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1795919	(11) EP1844074	(11) EP1850815
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1806803	(11) EP1844155	(11) EP1850885
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1816620	(11) EP1844206	(11) EP1850994
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1818263	(11) EP1844239	(11) EP1851239
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1818688	(11) EP1844573	(11) EP1851276
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1818833	(11) EP1845935	(11) EP1851943
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1819106	(11) EP1846588	(11) EP1853139
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1819120	(11) EP1846642	(11) EP1853477
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1820429	(11) EP1846658	(11) EP1853653
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1826094	(11) EP1846874	(11) EP1853766
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1826152	(11) EP1847070	(11) EP1854029
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1826298	(11) EP1848431	(11) EP1854312
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1827032	(11) EP1848622	(11) EP1855600
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1829568	(11) EP1848623	(11) EP1855657
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1829809	(11) EP1848866	(11) EP1855838
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1856057	(11) EP1928531	(11) EP1980276
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP1856173	(11) EP1947116	(11) EP1982296
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1856211	(11) EP1953306	(11) EP1984503
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1856328	(11) EP1954332	(11) EP1984512
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP1859215	(11) EP1956357	(11) EP1984571
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1859522	(11) EP1956685	(11) EP1984650
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1859720	(11) EP1958656	(11) EP1984723
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1860477	(11) EP1959186	(11) EP1984785
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1861599	(11) EP1962391	(11) EP1985090
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1861890	(11) EP1964584	(11) EP1986599
(00) 01.03.2020	(00) 03.10.2020	(00) 01.03.2020
(00) EPV lapsed	(00) Patent Expired	(00) EPV lapsed
(11) EP1865837	(11) EP1964743	(11) EP1986633
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1866092	(11) EP1964778	(11) EP1986642
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1866705	(11) EP1965243	(11) EP1986904
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1870241	(11) EP1966948	(11) EP1986908
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1873221	(11) EP1966966	(11) EP1987093
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1879799	(11) EP1967215	(11) EP1987319
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1885746	(11) EP1972229	(11) EP1987707
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1889884	(11) EP1975604	(11) EP1988806
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1893250	(11) EP1979226	(11) EP1988933
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1900467	(11) EP1979276	(11) EP1988947
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1905902	(11) EP1979464	(11) EP1989013
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP1908437	(11) EP1980219	(11) EP1989051
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1989119	(11) EP2012978	(11) EP2092861
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1989170	(11) EP2020822	(11) EP2092992
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP1989387	(11) EP2024441	(11) EP2093057
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1989794	(11) EP2026907	(11) EP2093071
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1990182	(11) EP2033209	(11) EP2093148
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP1991469	(11) EP2035474	(11) EP2093665
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP1991501	(11) EP2039522	(11) EP2094926
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP1991601	(11) EP2043899	(11) EP2095955
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1993501	(11) EP2051968	(11) EP2095956
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP1993724	(11) EP2058429	(11) EP2095957
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1997329	(11) EP2060628	(11) EP2095958
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP1999767	(11) EP2062733	(11) EP2095959
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2001281	(11) EP2064982	(11) EP2096045
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2001423	(11) EP2076839	(11) EP2096052
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2002345	(11) EP2080082	(11) EP2096713
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2002517	(11) EP2082817	(11) EP2096807
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2003679	(11) EP2088268	(11) EP2096864
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2003680	(11) EP2088282	(11) EP2097476
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2003681	(11) EP2088435	(11) EP2098112
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2005066	(11) EP2090481	(11) EP2105565
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2006732	(11) EP2091171	(11) EP2109457
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2010258	(11) EP2091314	(11) EP2109616
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2110007	(11) EP2119162	(11) EP2126490
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2110465	(11) EP2120428	(11) EP2126553
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2111289	(11) EP2120517	(11) EP2126801
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2111485	(11) EP2120521	(11) EP2127175
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2111555	(11) EP2120677	(11) EP2127484
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2113144	(11) EP2121000	(11) EP2129422
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2113273	(11) EP2121001	(11) EP2129468
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2113611	(11) EP2121553	(11) EP2129499
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2114227	(11) EP2121559	(11) EP2129651
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2114292	(11) EP2121835	(11) EP2129786
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2114372	(11) EP2122198	(11) EP2129966
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2114780	(11) EP2122298	(11) EP2131713
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2114861	(11) EP2122393	(11) EP2131813
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2115383	(11) EP2122448	(11) EP2132162
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2115500	(11) EP2122966	(11) EP2132343
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2115985	(11) EP2123083	(11) EP2132684
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2116562	(11) EP2124706	(11) EP2133848
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2117417	(11) EP2124769	(11) EP2134162
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2117942	(11) EP2125234	(11) EP2134496
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2118298	(11) EP2126143	(11) EP2135173
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2118643	(11) EP2126197	(11) EP2135600
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2119052	(11) EP2126485	(11) EP2136860
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2137276	(11) EP2181069	(11) EP2220958
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2138530	(11) EP2185334	(11) EP2221192
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2140579	(11) EP2191541	(11) EP2221250
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2140677	(11) EP2197980	(11) EP2221447
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2144164	(11) EP2201323	(11) EP2221944
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2147171	(11) EP2206824	(11) EP2222061
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2147533	(11) EP2210813	(11) EP2223010
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2149194	(11) EP2211442	(11) EP2223629
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2149620	(11) EP2211719	(11) EP2223641
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2153455	(11) EP2214561	(11) EP2223792
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2154268	(11) EP2216601	(11) EP2223898
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2156363	(11) EP2216858	(11) EP2224009
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2158074	(11) EP2216859	(11) EP2224071
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2160162	(11) EP2217679	(11) EP2224465
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2162409	(11) EP2218421	(11) EP2225987
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2163375	(11) EP2218496	(11) EP2226173
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2166474	(11) EP2218638	(11) EP2226472
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2166814	(11) EP2218936	(11) EP2226602
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2167935	(11) EP2219115	(11) EP2226647
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2174227	(11) EP2219222	(11) EP2226763
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2176772	(11) EP2219365	(11) EP2226834
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2177879	(11) EP2220949	(11) EP2227026
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2227624	(11) EP2242400	(11) EP2248321
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2228037	(11) EP2242965	(11) EP2248337
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2228038	(11) EP2243125	(11) EP2248793
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2228039	(11) EP2243725	(11) EP2248807
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2228811	(11) EP2244807	(11) EP2248939
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2228885	(11) EP2244818	(11) EP2249701
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2232433	(11) EP2244838	(11) EP2249742
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2232732	(11) EP2244888	(11) EP2250193
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2233600	(11) EP2245106	(11) EP2250245
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2234368	(11) EP2245255	(11) EP2250361
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2236760	(11) EP2245273	(11) EP2250401
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2237541	(11) EP2245281	(11) EP2250416
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2237590	(11) EP2245424	(11) EP2250448
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2237877	(11) EP2245438	(11) EP2250588
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2237962	(11) EP2245765	(11) EP2252150
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2238358	(11) EP2246469	(11) EP2252220
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2239040	(11) EP2246594	(11) EP2252306
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2239121	(11) EP2247196	(11) EP2252497
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2239426	(11) EP2247436	(11) EP2252539
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2240327	(11) EP2247781	(11) EP2252540
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2240498	(11) EP2247802	(11) EP2253151
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2241091	(11) EP2247816	(11) EP2254076
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2254299	(11) EP2264571	(11) EP2295954
(00) 29.04.2020	(00) 29.04.2020	(00) 06.10.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) Patent Expired
(11) EP2254579	(11) EP2264678	(11) EP2298998
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2254593	(11) EP2265381	(11) EP2306447
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2254683	(11) EP2265788	(11) EP2310080
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2255172	(11) EP2265825	(11) EP2310810
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2255509	(11) EP2268474	(11) EP2311409
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2256112	(11) EP2268690	(11) EP2312431
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2256322	(11) EP2271779	(11) EP2313572
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2256371	(11) EP2271841	(11) EP2314458
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2256882	(11) EP2271842	(11) EP2315789
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2257254	(11) EP2271845	(11) EP2315906
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2257602	(11) EP2272174	(11) EP2317551
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2257749	(11) EP2274520	(11) EP2318194
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2258843	(11) EP2274558	(11) EP2322072
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2259242	(11) EP2275524	(11) EP2325550
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2259861	(11) EP2276933	(11) EP2325969
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2259922	(11) EP2279555	(11) EP2327786
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2262081	(11) EP2280264	(11) EP2330302
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2262827	(11) EP2281829	(11) EP2332032
(00) 01.03.2020	(00) 03.07.2020	(00) 01.03.2020
(00) EPV lapsed	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP2262863	(11) EP2288906	(11) EP2334780
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2263560	(11) EP2290494	(11) EP2336423
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2264569	(11) EP2293202	(11) EP2338768
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2341712	(11) EP2363524	(11) EP2378068
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2345923	(11) EP2364403	(11) EP2381566
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2348063	(11) EP2364481	(11) EP2385463
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2348984	(11) EP2364683	(11) EP2386129
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2353504	(11) EP2364757	(11) EP2386811
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2354314	(11) EP2364928	(11) EP2388042
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2354418	(11) EP2364972	(11) EP2388839
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2354615	(11) EP2366983	(11) EP2389208
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2354650	(11) EP2367253	(11) EP2391579
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2357401	(11) EP2368104	(11) EP2391714
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2357768	(11) EP2368852	(11) EP2391919
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2357873	(11) EP2369230	(11) EP2392579
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2359625	(11) EP2370191	(11) EP2392683
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2359996	(11) EP2371697	(11) EP2392937
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2360728	(11) EP2371721	(11) EP2392960
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2361231	(11) EP2372680	(11) EP2393347
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2361544	(11) EP2373266	(11) EP2393455
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2362288	(11) EP2374891	(11) EP2393552
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2363013	(11) EP2375561	(11) EP2393606
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2363162	(11) EP2377300	(11) EP2393627
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2363377	(11) EP2377634	(11) EP2393628
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2363523	(11) EP2377961	(11) EP2393659
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2393700	(11) EP2396588	(11) EP2400951
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2393736	(11) EP2396669	(11) EP2400988
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2393830	(11) EP2396698	(11) EP2401078
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2393863	(11) EP2396997	(11) EP2401337
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2393896	(11) EP2397014	(11) EP2401411
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2393912	(11) EP2397032	(11) EP2401475
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2394129	(11) EP2397203	(11) EP2401493
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2394154	(11) EP2397401	(11) EP2401558
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2394176	(11) EP2398061	(11) EP2401574
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2394415	(11) EP2398342	(11) EP2401626
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2394450	(11) EP2398496	(11) EP2401880
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2394482	(11) EP2398744	(11) EP2402846
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2394986	(11) EP2398818	(11) EP2403638
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2395955	(11) EP2398857	(11) EP2403747
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2395993	(11) EP2398944	(11) EP2403751
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2396220	(11) EP2399278	(11) EP2403797
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2396229	(11) EP2399341	(11) EP2403807
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2396321	(11) EP2399367	(11) EP2403822
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2396340	(11) EP2399588	(11) EP2404063
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2396355	(11) EP2399774	(11) EP2404064
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2396403	(11) EP2400472	(11) EP2404065
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2396412	(11) EP2400917	(11) EP2404118
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2404119	(11) EP2421476	(11) EP2461920
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2404120	(11) EP2421603	(11) EP2461925
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2404223	(11) EP2423789	(11) EP2463750
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2405093	(11) EP2425069	(11) EP2464132
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2405098	(11) EP2426375	(11) EP2464252
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2406341	(11) EP2429450	(11) EP2465097
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2406560	(11) EP2431314	(11) EP2465237
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2406968	(11) EP2434105	(11) EP2465791
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2407338	(11) EP2435000	(11) EP2466621
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2408368	(11) EP2435536	(11) EP2466622
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2408513	(11) EP2435672	(11) EP2466623
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2408626	(11) EP2435933	(11) EP2466624
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2409095	(11) EP2437174	(11) EP2466625
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2411817	(11) EP2444239	(11) EP2467557
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2412691	(11) EP2446795	(11) EP2467653
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2413138	(11) EP2446796	(11) EP2468054
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2414109	(11) EP2449793	(11) EP2468094
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2415898	(11) EP2451046	(11) EP2474092
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2417332	(11) EP2453705	(11) EP2474095
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2417630	(11) EP2456946	(11) EP2474433
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2420437	(11) EP2459873	(11) EP2479787
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2420485	(11) EP2461149	(11) EP2479979
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2480136	(11) EP2496938	(11) EP2505389
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2484818	(11) EP2496987	(11) EP2505477
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2485063	(11) EP2497555	(11) EP2505590
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2485249	(11) EP2497677	(11) EP2505762
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2485394	(11) EP2497907	(11) EP2506084
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2485412	(11) EP2498059	(11) EP2507750
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2486316	(11) EP2498280	(11) EP2507840
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2486803	(11) EP2498354	(11) EP2507935
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2487062	(11) EP2498857	(11) EP2508965
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2487124	(11) EP2500445	(11) EP2509853
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2487158	(11) EP2500491	(11) EP2510387
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2487707	(11) EP2501003	(11) EP2512187
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2487839	(11) EP2501106	(11) EP2512702
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2489759	(11) EP2501583	(11) EP2513576
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2489873	(11) EP2501600	(11) EP2514255
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2491992	(11) EP2502552	(11) EP2514768
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2492424	(11) EP2503108	(11) EP2515842
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2492558	(11) EP2503252	(11) EP2516032
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2492606	(11) EP2503488	(11) EP2516703
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2492965	(11) EP2503612	(11) EP2518460
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2493085	(11) EP2504223	(11) EP2518997
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2495697	(11) EP2504513	(11) EP2519161
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2519620	(11) EP2533815	(11) EP2536814
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2525763	(11) EP2533840	(11) EP2537115
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526613	(11) EP2533842	(11) EP2537310
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2526943	(11) EP2533868	(11) EP2537398
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2527804	(11) EP2533968	(11) EP2537740
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2530542	(11) EP2534130	(11) EP2538803
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2530874	(11) EP2534149	(11) EP2538928
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2531187	(11) EP2534150	(11) EP2538986
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2531413	(11) EP2534199	(11) EP2539040
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2531461	(11) EP2534308	(11) EP2539072
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2531606	(11) EP2534410	(11) EP2539086
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2532145	(11) EP2534502	(11) EP2539256
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2532185	(11) EP2534523	(11) EP2539257
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2532187	(11) EP2534615	(11) EP2539270
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2532893	(11) EP2534780	(11) EP2539352
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2533136	(11) EP2534914	(11) EP2539383
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2533653	(11) EP2536429	(11) EP2539396
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2533698	(11) EP2536483	(11) EP2539441
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2533722	(11) EP2536640	(11) EP2539541
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2533734	(11) EP2536744	(11) EP2539673
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2533762	(11) EP2536777	(11) EP2539683
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2533774	(11) EP2536778	(11) EP2540013
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2540101	(11) EP2550236	(11) EP2568376
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2540988	(11) EP2550776	(11) EP2573166
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2541310	(11) EP2551290	(11) EP2573322
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2541325	(11) EP2551753	(11) EP2573324
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2541918	(11) EP2552007	(11) EP2573493
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2542136	(11) EP2553432	(11) EP2573626
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2542138	(11) EP2553875	(11) EP2574089
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2542486	(11) EP2555053	(11) EP2577483
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2542737	(11) EP2555395	(11) EP2577611
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2542922	(11) EP2556303	(11) EP2578011
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2543081	(11) EP2556447	(11) EP2578960
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2543104	(11) EP2556992	(11) EP2579845
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2543497	(11) EP2557123	(11) EP2580044
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2544575	(11) EP2557315	(11) EP2580385
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2544595	(11) EP2557576	(11) EP2581170
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2545489	(11) EP2560205	(11) EP2581467
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2545537	(11) EP2560558	(11) EP2581680
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2547418	(11) EP2561599	(11) EP2581681
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2547871	(11) EP2566936	(11) EP2581778
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2548128	(11) EP2567259	(11) EP2585282
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2549308	(11) EP2567915	(11) EP2585452
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2549830	(11) EP2568232	(11) EP2587372
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2587747	(11) EP2612578	(11) EP2626735
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2588382	(11) EP2613055	(11) EP2627034
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2589479	(11) EP2613227	(11) EP2628484
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2589777	(11) EP2614832	(11) EP2629041
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2589877	(11) EP2615251	(11) EP2629171
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2590878	(11) EP2615869	(11) EP2630861
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2592948	(11) EP2617474	(11) EP2630971
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2593769	(11) EP2619218	(11) EP2631215
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2594185	(11) EP2620306	(11) EP2631282
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2594349	(11) EP2621044	(11) EP2631536
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2594684	(11) EP2621083	(11) EP2631848
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2596923	(11) EP2623205	(11) EP2632766
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2599961	(11) EP2623533	(11) EP2633824
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2600309	(11) EP2623820	(11) EP2634294
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2601939	(11) EP2623843	(11) EP2634310
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2605736	(11) EP2623918	(11) EP2634353
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2605862	(11) EP2625285	(11) EP2634434
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2606293	(11) EP2626027	(11) EP2634652
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2607639	(11) EP2626283	(11) EP2634873
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2610401	(11) EP2626284	(11) EP2634880
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2610873	(11) EP2626428	(11) EP2634965
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2611347	(11) EP2626432	(11) EP2635114
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2635424	(11) EP2654543	(11) EP2671455
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2635988	(11) EP2656316	(11) EP2672531
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2636514	(11) EP2656783	(11) EP2672842
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2636814	(11) EP2656820	(11) EP2672846
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2636986	(11) EP2656901	(11) EP2673094
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2637082	(11) EP2658453	(11) EP2673111
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2638526	(11) EP2658474	(11) EP2673165
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2639833	(11) EP2658604	(11) EP2673244
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2639949	(11) EP2662287	(11) EP2673631
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2642494	(11) EP2662891	(11) EP2673817
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2642622	(11) EP2663517	(11) EP2674198
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2645616	(11) EP2664060	(11) EP2674696
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2648051	(11) EP2664244	(11) EP2674782
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2648285	(11) EP2666120	(11) EP2675338
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2649500	(11) EP2666230	(11) EP2675408
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2649535	(11) EP2668995	(11) EP2675545
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2649986	(11) EP2670107	(11) EP2675673
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2650073	(11) EP2670238	(11) EP2675674
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2651744	(11) EP2670481	(11) EP2675675
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2652016	(11) EP2670498	(11) EP2675691
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2652268	(11) EP2670543	(11) EP2675697
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2652486	(11) EP2670819	(11) EP2675823
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2675836	(11) EP2681138	(11) EP2691952
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2675866	(11) EP2681851	(11) EP2692765
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2675955	(11) EP2682144	(11) EP2693235
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2675971	(11) EP2682171	(11) EP2693319
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2676284	(11) EP2682439	(11) EP2693617
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2676477	(11) EP2682732	(11) EP2693809
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2676488	(11) EP2683249	(11) EP2695670
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2677240	(11) EP2683428	(11) EP2698712
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2677450	(11) EP2683493	(11) EP2699009
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2677633	(11) EP2683540	(11) EP2699330
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2677874	(11) EP2684488	(11) EP2699803
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2678006	(11) EP2685211	(11) EP2700551
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2678039	(11) EP2685662	(11) EP2701995
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2678142	(11) EP2686870	(11) EP2702084
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2678711	(11) EP2687370	(11) EP2703049
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2678749	(11) EP2687961	(11) EP2703267
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2678884	(11) EP2688845	(11) EP2704256
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2678962	(11) EP2688994	(11) EP2704386
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2678978	(11) EP2689374	(11) EP2705970
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2679204	(11) EP2689828	(11) EP2707804
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2679575	(11) EP2691302	(11) EP2708699
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2680233	(11) EP2691485	(11) EP2709172
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2712573	(11) EP2735371	(11) EP2758018
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2714802	(11) EP2739581	(11) EP2759390
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2716437	(11) EP2741163	(11) EP2760633
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2717997	(11) EP2741771	(11) EP2761733
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2719701	(11) EP2742325	(11) EP2762051
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2720124	(11) EP2743300	(11) EP2762204
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2722605	(11) EP2743547	(11) EP2762831
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2723018	(11) EP2744483	(11) EP2763297
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2724364	(11) EP2744584	(11) EP2764281
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2724756	(11) EP2746599	(11) EP2766760
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2727659	(11) EP2746929	(11) EP2767368
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2727804	(11) EP2748253	(11) EP2767369
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2728803	(11) EP2748801	(11) EP2767526
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2728970	(11) EP2751049	(11) EP2767557
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2729635	(11) EP2751412	(11) EP2767735
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2731382	(11) EP2751789	(11) EP2767771
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2731826	(11) EP2751874	(11) EP2767914
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2732392	(11) EP2752351	(11) EP2768253
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2732704	(11) EP2752444	(11) EP2768918
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2732768	(11) EP2752857	(11) EP2769897
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2733003	(11) EP2754236	(11) EP2770015
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2733483	(11) EP2755875	(11) EP2770095
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2770106	(11) EP2775903	(11) EP2789835
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2770265	(11) EP2776166	(11) EP2790062
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2770288	(11) EP2776929	(11) EP2790284
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2770589	(11) EP2777135	(11) EP2790430
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2770641	(11) EP2777432	(11) EP2791342
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2770679	(11) EP2777517	(11) EP2791581
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2770998	(11) EP2778170	(11) EP2791979
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2772156	(11) EP2778655	(11) EP2792067
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2772389	(11) EP2778716	(11) EP2794332
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2772418	(11) EP2779099	(11) EP2794380
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2772432	(11) EP2779559	(11) EP2795640
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2772547	(11) EP2779757	(11) EP2795906
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2772701	(11) EP2780974	(11) EP2797246
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2772787	(11) EP2781954	(11) EP2797340
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2772916	(11) EP2782624	(11) EP2798726
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2772987	(11) EP2783771	(11) EP2799002
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2773130	(11) EP2786887	(11) EP2799207
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2773623	(11) EP2787979	(11) EP2799274
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2774081	(11) EP2788185	(11) EP2800007
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2775223	(11) EP2788646	(11) EP2800776
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2775704	(11) EP2789061	(11) EP2800880
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2775796	(11) EP2789098	(11) EP2801524
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2802305	(11) EP2812498	(11) EP2815789
(00) 13.02.2020	(00) 01.03.2020	(00) 29.04.2020
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2802725	(11) EP2812667	(11) EP2816094
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2804100	(11) EP2812764	(11) EP2816225
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2805230	(11) EP2812842	(11) EP2816311
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2805677	(11) EP2813030	(11) EP2816689
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2805714	(11) EP2814373	(11) EP2816926
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2805767	(11) EP2814588	(11) EP2817051
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2806304	(11) EP2814654	(11) EP2817072
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2806575	(11) EP2814671	(11) EP2817094
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2807461	(11) EP2814693	(11) EP2817157
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2807546	(11) EP2814749	(11) EP2817180
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2807806	(11) EP2814750	(11) EP2817187
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2809245	(11) EP2814751	(11) EP2817285
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2809272	(11) EP2814761	(11) EP2817294
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2809471	(11) EP2814766	(11) EP2817437
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2809518	(11) EP2814829	(11) EP2817682
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2809752	(11) EP2814890	(11) EP2819119
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2810144	(11) EP2814924	(11) EP2819179
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2810462	(11) EP2815199	(11) EP2819573
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2811203	(11) EP2815222	(11) EP2819654
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2812130	(11) EP2815407	(11) EP2819655
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2812372	(11) EP2815482	(11) EP2819663
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2819765	(11) EP2825686	(11) EP2835082
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2820111	(11) EP2825713	(11) EP2835521
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2820113	(11) EP2827391	(11) EP2836132
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2820817	(11) EP2827741	(11) EP2836612
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2821086	(11) EP2828564	(11) EP2839015
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2821385	(11) EP2828651	(11) EP2839250
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2821427	(11) EP2828653	(11) EP2839808
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2821976	(11) EP2828878	(11) EP2840402
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2822577	(11) EP2828952	(11) EP2843596
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2822775	(11) EP2829509	(11) EP2843748
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2823232	(11) EP2829722	(11) EP2843949
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2823234	(11) EP2830280	(11) EP2844924
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2823522	(11) EP2830867	(11) EP2845170
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2823679	(11) EP2831096	(11) EP2845542
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2823695	(11) EP2831439	(11) EP2845709
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2823895	(11) EP2831974	(11) EP2845876
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2824720	(11) EP2833171	(11) EP2846135
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2824754	(11) EP2833255	(11) EP2847435
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2824997	(11) EP2833500	(11) EP2848144
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2825312	(11) EP2833565	(11) EP2849642
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2825363	(11) EP2834471	(11) EP2850174
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2825456	(11) EP2834611	(11) EP2850871
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2851684	(11) EP2860775	(11) EP2876344
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2852788	(11) EP2861254	(11) EP2876516
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2852836	(11) EP2861269	(11) EP2877899
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2852975	(11) EP2861814	(11) EP2877922
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2853396	(11) EP2862124	(11) EP2878097
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2853658	(11) EP2862873	(11) EP2878186
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2853825	(11) EP2864514	(11) EP2878348
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2853930	(11) EP2867085	(11) EP2878802
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2854694	(11) EP2867776	(11) EP2879599
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2855459	(11) EP2869727	(11) EP2883644
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2855963	(11) EP2869989	(11) EP2885102
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2857384	(11) EP2871478	(11) EP2885244
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2857688	(11) EP2872370	(11) EP2885573
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2857831	(11) EP2872614	(11) EP2886772
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2857890	(11) EP2873462	(11) EP2887183
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2857923	(11) EP2873650	(11) EP2888214
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2859184	(11) EP2874256	(11) EP2888367
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2859326	(11) EP2875103	(11) EP2888430
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2859682	(11) EP2875226	(11) EP2888449
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2859742	(11) EP2875266	(11) EP2888541
(00) 29.04.2020	(00) 14.09.2016	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2859853	(11) EP2875778	(11) EP2888798
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2860167	(11) EP2876085	(11) EP2888821
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2891443	(11) EP2906409	(11) EP2914107
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2891562	(11) EP2906914	(11) EP2915580
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2891717	(11) EP2907153	(11) EP2915659
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2893112	(11) EP2907207	(11) EP2916100
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2893248	(11) EP2907382	(11) EP2916956
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2893882	(11) EP2907389	(11) EP2917459
(00) 29.04.2020	(00) 06.10.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP2895116	(11) EP2907527	(11) EP2917674
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2896039	(11) EP2907763	(11) EP2917756
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2897021	(11) EP2908615	(11) EP2917865
(00) 29.04.2020	(00) 21.12.2016	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2897137	(11) EP2909478	(11) EP2918414
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2897183	(11) EP2910163	(11) EP2919625
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2898025	(11) EP2910270	(11) EP2919801
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2898575	(11) EP2910301	(11) EP2920143
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2899424	(11) EP2910535	(11) EP2921014
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2900151	(11) EP2910812	(11) EP2921674
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2902175	(11) EP2910855	(11) EP2922128
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2902581	(11) EP2911189	(11) EP2922207
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2904680	(11) EP2911375	(11) EP2923239
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2905341	(11) EP2911377	(11) EP2923665
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2905638	(11) EP2911599	(11) EP2924011
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2905673	(11) EP2912931	(11) EP2924181
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2905773	(11) EP2913719	(11) EP2924282
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2924537	(11) EP2937197	(11) EP2948327
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2924966	(11) EP2938520	(11) EP2949538
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2925039	(11) EP2938808	(11) EP2949709
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2925204	(11) EP2938825	(11) EP2949716
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2926006	(11) EP2939683	(11) EP2950089
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2926857	(11) EP2940501	(11) EP2950357
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2927182	(11) EP2941194	(11) EP2950462
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2927457	(11) EP2941365	(11) EP2950504
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2927499	(11) EP2941444	(11) EP2950694
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2927776	(11) EP2941538	(11) EP2950696
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2928657	(11) EP2942664	(11) EP2951487
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2930189	(11) EP2942755	(11) EP2951743
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2931862	(11) EP2944458	(11) EP2951917
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2932009	(11) EP2944636	(11) EP2952849
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2932558	(11) EP2945016	(11) EP2953668
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2932634	(11) EP2945184	(11) EP2953671
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2932740	(11) EP2945851	(11) EP2953887
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2933620	(11) EP2945948	(11) EP2953900
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2934282	(11) EP2946040	(11) EP2953977
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2935804	(11) EP2946558	(11) EP2953988
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2936816	(11) EP2946906	(11) EP2954543
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2936839	(11) EP2948077	(11) EP2954603
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2954606	(11) EP2958608	(11) EP2963026
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2954634	(11) EP2958643	(11) EP2963154
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2954748	(11) EP2958646	(11) EP2964102
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2955299	(11) EP2958679	(11) EP2964601
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2955666	(11) EP2958883	(11) EP2965253
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2955997	(11) EP2958888	(11) EP2965468
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2956173	(11) EP2959032	(11) EP2965476
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2956228	(11) EP2959033	(11) EP2965488
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2956297	(11) EP2959062	(11) EP2966417
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2956410	(11) EP2959226	(11) EP2966449
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2956464	(11) EP2959417	(11) EP2966499
(00) 01.03.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2956549	(11) EP2959465	(11) EP2966519
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2956583	(11) EP2959732	(11) EP2966829
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2956588	(11) EP2961050	(11) EP2966933
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2956653	(11) EP2961731	(11) EP2967496
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2956679	(11) EP2961741	(11) EP2967506
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2956743	(11) EP2961863	(11) EP2967769
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2957060	(11) EP2961946	(11) EP2967992
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2957256	(11) EP2962028	(11) EP2968302
(00) 29.04.2020	(00) 29.04.2020	(00) 01.09.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2957778	(11) EP2962172	(11) EP2968727
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2958511	(11) EP2962414	(11) EP2968787
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2958538	(11) EP2962504	(11) EP2968788
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2969114	(11) EP2974032	(11) EP2981503
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2970791	(11) EP2974503	(11) EP2981609
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2971348	(11) EP2974802	(11) EP2981750
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2971562	(11) EP2975125	(11) EP2982555
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2971579	(11) EP2975784	(11) EP2982601
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2971616	(11) EP2976140	(11) EP2983744
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2971730	(11) EP2976363	(11) EP2985557
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2971815	(11) EP2976616	(11) EP2985659
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2971903	(11) EP2976815	(11) EP2985867
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2971976	(11) EP2977062	(11) EP2986902
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2972304	(11) EP2977154	(11) EP2988165
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2972480	(11) EP2978967	(11) EP2988407
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2972495	(11) EP2978969	(11) EP2988669
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2972522	(11) EP2979120	(11) EP2989786
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2972604	(11) EP2979348	(11) EP2990365
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2972641	(11) EP2979540	(11) EP2990504
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2972642	(11) EP2980046	(11) EP2990940
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2973167	(11) EP2980239	(11) EP2991206
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2973181	(11) EP2980249	(11) EP2991323
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2973534	(11) EP2980612	(11) EP2991330
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2973703	(11) EP2980962	(11) EP2991360
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2974029	(11) EP2981021	(11) EP2991452
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2993306	(11) EP3003611	(11) EP3012409
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2993364	(11) EP3005223	(11) EP3012771
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2993742	(11) EP3005738	(11) EP3013237
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2995052	(11) EP3006556	(11) EP3013518
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2995463	(11) EP3006664	(11) EP3014487
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2995575	(11) EP3006820	(11) EP3015693
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2995903	(11) EP3007275	(11) EP3016139
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2996006	(11) EP3007881	(11) EP3016567
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2996230	(11) EP3009221	(11) EP3017848
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2996891	(11) EP3009615	(11) EP3017987
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2997135	(11) EP3010057	(11) EP3018889
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2999258	(11) EP3010240	(11) EP3018898
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3000609	(11) EP3010320	(11) EP3020083
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3000847	(11) EP3010471	(11) EP3020603
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3001464	(11) EP3010481	(11) EP3021145
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3001554	(11) EP3010558	(11) EP3021650
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3001923	(11) EP3010759	(11) EP3021651
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3001997	(11) EP3010779	(11) EP3022275
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3002296	(11) EP3010956	(11) EP3022419
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3002797	(11) EP3011388	(11) EP3022443
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3002943	(11) EP3011705	(11) EP3022525
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3002984	(11) EP3012141	(11) EP3024262
(00) 29.04.2020	(00) 29.05.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3024749	(11) EP3034751	(11) EP3044423
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3026407	(11) EP3035536	(11) EP3044459
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3026680	(11) EP3035771	(11) EP3044856
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3026936	(11) EP3035986	(11) EP3046204
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3027417	(11) EP3036592	(11) EP3046388
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3027872	(11) EP3037215	(11) EP3046707
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3027934	(11) EP3037728	(11) EP3046932
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3028133	(11) EP3037897	(11) EP3047339
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3028306	(11) EP3038355	(11) EP3047585
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3029217	(11) EP3038809	(11) EP3047614
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3030696	(11) EP3039604	(11) EP3049910
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3030756	(11) EP3039655	(11) EP3050354
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3033574	(11) EP3039773	(11) EP3050589
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3033685	(11) EP3041202	(11) EP3051034
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3033914	(11) EP3042464	(11) EP3051624
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3033992	(11) EP3042671	(11) EP3051736
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3034151	(11) EP3042924	(11) EP3051866
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3034392	(11) EP3043106	(11) EP3052308
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3034397	(11) EP3043194	(11) EP3053240
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3034427	(11) EP3043209	(11) EP3053247
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3034580	(11) EP3043412	(11) EP3053406
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3034699	(11) EP3044215	(11) EP3053526
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3053563	(11) EP3059297	(11) EP3064487
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3053768	(11) EP3059346	(11) EP3064662
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3053844	(11) EP3059453	(11) EP3064742
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3053897	(11) EP3059762	(11) EP3065105
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3054416	(11) EP3059887	(11) EP3065468
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3054675	(11) EP3059921	(11) EP3065484
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3054885	(11) EP3060350	(11) EP3065694
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3055713	(11) EP3060352	(11) EP3066386
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3055730	(11) EP3060390	(11) EP3066675
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3055901	(11) EP3060420	(11) EP3066832
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3056111	(11) EP3060647	(11) EP3067522
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3056254	(11) EP3061323	(11) EP3067924
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3056618	(11) EP3061335	(11) EP3068008
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3056890	(11) EP3062393	(11) EP3068356
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3057820	(11) EP3062520	(11) EP3068820
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3058102	(11) EP3063080	(11) EP3069417
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3058118	(11) EP3063148	(11) EP3069760
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3058252	(11) EP3063518	(11) EP3069997
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3058328	(11) EP3063652	(11) EP3070373
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3058565	(11) EP3064295	(11) EP3070455
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3058686	(11) EP3064371	(11) EP3070535
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3058922	(11) EP3064446	(11) EP3070568
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3070648	(11) EP3075189	(11) EP3084909
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3070712	(11) EP3075201	(11) EP3085082
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3071582	(11) EP3075421	(11) EP3085179
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3072053	(11) EP3075740	(11) EP3085565
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3072080	(11) EP3076239	(11) EP3085835
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3072297	(11) EP3076302	(11) EP3085943
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3072416	(11) EP3076973	(11) EP3086180
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3072417	(11) EP3076979	(11) EP3086183
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3072542	(11) EP3077439	(11) EP3087059
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3072578	(11) EP3078191	(11) EP3087289
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3073147	(11) EP3079015	(11) EP3087371
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3073175	(11) EP3079566	(11) EP3087707
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3073228	(11) EP3080352	(11) EP3087929
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3073236	(11) EP3080450	(11) EP3088530
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3073263	(11) EP3080977	(11) EP3088559
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3073292	(11) EP3081164	(11) EP3089326
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3073452	(11) EP3081812	(11) EP3089444
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3073539	(11) EP3082223	(11) EP3089973
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3073586	(11) EP3082226	(11) EP3090128
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3074542	(11) EP3082294	(11) EP3090215
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3074770	(11) EP3084497	(11) EP3090504
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3075108	(11) EP3084641	(11) EP3090515
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3091607	(11) EP3097283	(11) EP3104572
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3092780	(11) EP3097357	(11) EP3104686
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3092809	(11) EP3097427	(11) EP3104747
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3093372	(11) EP3097490	(11) EP3104749
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3093434	(11) EP3097817	(11) EP3104923
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3093799	(11) EP3098100	(11) EP3105051
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3093800	(11) EP3099081	(11) EP3105085
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3093873	(11) EP3099772	(11) EP3105142
(00) 01.03.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3093946	(11) EP3099908	(11) EP3105236
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3094201	(11) EP3100017	(11) EP3105434
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3094235	(11) EP3100380	(11) EP3105790
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3094527	(11) EP3100752	(11) EP3105908
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3094845	(11) EP3100758	(11) EP3106580
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3095281	(11) EP3101342	(11) EP3106669
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3095352	(11) EP3101726	(11) EP3106708
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3095406	(11) EP3101881	(11) EP3106740
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3096287	(11) EP3101953	(11) EP3107070
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3096487	(11) EP3102125	(11) EP3107079
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3096612	(11) EP3102888	(11) EP3107391
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3096616	(11) EP3103248	(11) EP3107677
(00) 29.04.2020	(00) 01.03.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3096949	(11) EP3104172	(11) EP3107913
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3097002	(11) EP3104388	(11) EP3107917
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3108371	(11) EP3113406	(11) EP3118142
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3108449	(11) EP3113500	(11) EP3118326
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3108771	(11) EP3113814	(11) EP3118373
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3108812	(11) EP3113994	(11) EP3118463
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3109047	(11) EP3114029	(11) EP3118865
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3109065	(11) EP3114039	(11) EP3118908
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3109192	(11) EP3114151	(11) EP3119039
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3109417	(11) EP3114288	(11) EP3119062
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110075	(11) EP3114555	(11) EP3119542
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110499	(11) EP3115024	(11) EP3119557
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110575	(11) EP3115469	(11) EP3119609
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110654	(11) EP3115490	(11) EP3119611
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110690	(11) EP3115844	(11) EP3119812
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3110718	(11) EP3116053	(11) EP3119865
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111921	(11) EP3116184	(11) EP3119925
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3112306	(11) EP3116639	(11) EP3119949
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3112355	(11) EP3116880	(11) EP3120136
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3112386	(11) EP3117081	(11) EP3120448
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3112579	(11) EP3117170	(11) EP3122105
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3112755	(11) EP3117329	(11) EP3122136
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3112903	(11) EP3117647	(11) EP3122249
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3112995	(11) EP3117986	(11) EP3122390
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3122460	(11) EP3127272	(11) EP3136279
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3123128	(11) EP3128433	(11) EP3136379
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3123551	(11) EP3128713	(11) EP3136581
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3123661	(11) EP3128815	(11) EP3136647
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3123700	(11) EP3128838	(11) EP3136822
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3124068	(11) EP3128927	(11) EP3138707
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3124162	(11) EP3128928	(11) EP3138933
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3124215	(11) EP3129124	(11) EP3139208
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3124786	(11) EP3129441	(11) EP3139299
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3124884	(11) EP3129800	(11) EP3139972
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3124966	(11) EP3130008	(11) EP3141149
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3125018	(11) EP3130197	(11) EP3141871
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3125250	(11) EP3130452	(11) EP3141987
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3126031	(11) EP3131079	(11) EP3142210
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3126151	(11) EP3131341	(11) EP3142242
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3126172	(11) EP3131456	(11) EP3142606
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3126368	(11) EP3131535	(11) EP3142797
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3126581	(11) EP3132871	(11) EP3143305
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3126678	(11) EP3133213	(11) EP3144355
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3126702	(11) EP3135853	(11) EP3144684
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3126802	(11) EP3135957	(11) EP3144708
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3127038	(11) EP3136179	(11) EP3145657
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3146216	(11) EP3151793	(11) EP3159203
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3146619	(11) EP3151895	(11) EP3159559
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3146900	(11) EP3152107	(11) EP3160910
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3147132	(11) EP3152141	(11) EP3161417
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3147294	(11) EP3152840	(11) EP3161898
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3147692	(11) EP3153334	(11) EP3162974
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3147957	(11) EP3153347	(11) EP3163330
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3148130	(11) EP3153595	(11) EP3163364
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3148178	(11) EP3153648	(11) EP3163372
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3148255	(11) EP3154088	(11) EP3164548
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3149651	(11) EP3154105	(11) EP3164560
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3149822	(11) EP3154520	(11) EP3165730
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3149834	(11) EP3154668	(11) EP3165861
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3149862	(11) EP3155020	(11) EP3167033
(00) 29.04.2020	(00) 29.05.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP3150457	(11) EP3155738	(11) EP3167458
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3150501	(11) EP3156377	(11) EP3168028
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3150939	(11) EP3158251	(11) EP3168270
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3151209	(11) EP3158383	(11) EP3169672
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3151278	(11) EP3158648	(11) EP3169673
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3151279	(11) EP3158931	(11) EP3169742
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3151488	(11) EP3159164	(11) EP3169745
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3151690	(11) EP3159180	(11) EP3169758
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3169809	(11) EP3178831	(11) EP3187944
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3170389	(11) EP3179768	(11) EP3188061
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3170679	(11) EP3180923	(11) EP3188190
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3170984	(11) EP3180978	(11) EP3188237
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3171235	(11) EP3181610	(11) EP3188389
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3171407	(11) EP3181959	(11) EP3188513
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3171489	(11) EP3183137	(11) EP3189346
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3171920	(11) EP3183211	(11) EP3189578
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3172745	(11) EP3183635	(11) EP3189689
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3173029	(11) EP3183975	(11) EP3189854
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3173056	(11) EP3184618	(11) EP3189894
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3173118	(11) EP3184746	(11) EP3190004
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3173857	(11) EP3184770	(11) EP3190016
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3174859	(11) EP3184860	(11) EP3190031
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3175692	(11) EP3185253	(11) EP3190347
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3176382	(11) EP3185326	(11) EP3191329
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3176603	(11) EP3185693	(11) EP3191661
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3176701	(11) EP3186191	(11) EP3192087
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3178160	(11) EP3187325	(11) EP3192316
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3178205	(11) EP3187344	(11) EP3192928
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3178212	(11) EP3187742	(11) EP3193012
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3178281	(11) EP3187900	(11) EP3193091
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3193192	(11) EP3201478	(11) EP3206733
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3194147	(11) EP3201674	(11) EP3206740
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3194149	(11) EP3201804	(11) EP3206866
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3194422	(11) EP3202182	(11) EP3207066
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3194523	(11) EP3202493	(11) EP3207752
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3194575	(11) EP3202625	(11) EP3207833
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3195039	(11) EP3203148	(11) EP3207879
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3195752	(11) EP3203773	(11) EP3207984
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3195995	(11) EP3203951	(11) EP3208124
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3196268	(11) EP3204171	(11) EP3208320
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3196741	(11) EP3204315	(11) EP3208379
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3196964	(11) EP3204455	(11) EP3208402
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3197881	(11) EP3204476	(11) EP3208489
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3198116	(11) EP3204477	(11) EP3208658
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3198234	(11) EP3204736	(11) EP3208900
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3198240	(11) EP3204884	(11) EP3209049
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3199258	(11) EP3205471	(11) EP3209066
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3199586	(11) EP3205667	(11) EP3209276
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3199591	(11) EP3205671	(11) EP3209318
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3200320	(11) EP3205951	(11) EP3209430
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3201017	(11) EP3206123	(11) EP3209988
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3201031	(11) EP3206297	(11) EP3210104
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3210185	(11) EP3214724	(11) EP3219921
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3210514	(11) EP3215027	(11) EP3220041
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3210639	(11) EP3215381	(11) EP3220527
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3211179	(11) EP3215466	(11) EP3220589
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3211415	(11) EP3216228	(11) EP3220859
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3211651	(11) EP3216374	(11) EP3220972
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3211688	(11) EP3216508	(11) EP3221075
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3211750	(11) EP3216740	(11) EP3221940
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3211937	(11) EP3216919	(11) EP3222097
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3212429	(11) EP3216966	(11) EP3222366
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3212450	(11) EP3217020	(11) EP3222447
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3212461	(11) EP3217041	(11) EP3222469
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3212801	(11) EP3217552	(11) EP3222590
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3213075	(11) EP3217677	(11) EP3222594
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3213396	(11) EP3218121	(11) EP3223471
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214007	(11) EP3218210	(11) EP3223536
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214032	(11) EP3218357	(11) EP3223721
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214230	(11) EP3218789	(11) EP3224214
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214276	(11) EP3218993	(11) EP3224356
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214455	(11) EP3219395	(11) EP3224832
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214569	(11) EP3219396	(11) EP3225064
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214650	(11) EP3219660	(11) EP3225139
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3225748	(11) EP3231214	(11) EP3238933
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3225845	(11) EP3231347	(11) EP3239019
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3226433	(11) EP3231870	(11) EP3239240
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3226525	(11) EP3232195	(11) EP3239453
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3226580	(11) EP3232559	(11) EP3239836
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3227009	(11) EP3233184	(11) EP3240145
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3227138	(11) EP3233358	(11) EP3240847
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3227609	(11) EP3233506	(11) EP3241543
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3228074	(11) EP3233946	(11) EP3241639
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3228362	(11) EP3234135	(11) EP3242137
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3228573	(11) EP3234208	(11) EP3242194
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3228588	(11) EP3234287	(11) EP3242338
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3228818	(11) EP3234345	(11) EP3242881
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3228830	(11) EP3235110	(11) EP3243103
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3229046	(11) EP3235728	(11) EP3243246
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3229386	(11) EP3236512	(11) EP3243298
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3229545	(11) EP3236629	(11) EP3243447
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3230029	(11) EP3236711	(11) EP3243920
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3230144	(11) EP3236876	(11) EP3244195
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3230175	(11) EP3237118	(11) EP3244330
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3230176	(11) EP3237882	(11) EP3244674
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3230473	(11) EP3238932	(11) EP3244677
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3244678	(11) EP3253068	(11) EP3256546
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3245353	(11) EP3253150	(11) EP3256734
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3246375	(11) EP3253188	(11) EP3257143
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3247146	(11) EP3253552	(11) EP3257373
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3247797	(11) EP3253622	(11) EP3257786
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3248348	(11) EP3253970	(11) EP3258070
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3248563	(11) EP3254084	(11) EP3258709
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3248629	(11) EP3254085	(11) EP3258711
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3248838	(11) EP3254214	(11) EP3258745
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3249011	(11) EP3254385	(11) EP3259325
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3249258	(11) EP3254507	(11) EP3259948
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3250232	(11) EP3254573	(11) EP3260476
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3250652	(11) EP3254970	(11) EP3260739
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3250668	(11) EP3255072	(11) EP3260907
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3250795	(11) EP3255088	(11) EP3261891
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3250828	(11) EP3255209	(11) EP3261919
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3251395	(11) EP3255279	(11) EP3262366
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3251556	(11) EP3255673	(11) EP3262371
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3251717	(11) EP3255721	(11) EP3262998
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3252187	(11) EP3256382	(11) EP3263243
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3252533	(11) EP3256463	(11) EP3263364
(00) 01.03.2020	(00) 01.03.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3253027	(11) EP3256501	(11) EP3263481
(00) 29.04.2020	(00) 01.03.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3263488	(11) EP3268708	(11) EP3271910
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3263825	(11) EP3268845	(11) EP3272037
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3264028	(11) EP3269038	(11) EP3272134
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3264166	(11) EP3269117	(11) EP3272435
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3264514	(11) EP3269189	(11) EP3272549
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3264586	(11) EP3269501	(11) EP3272553
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3265217	(11) EP3269586	(11) EP3272653
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3265325	(11) EP3269773	(11) EP3272834
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3265634	(11) EP3269897	(11) EP3273069
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3265687	(11) EP3270100	(11) EP3273522
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3265688	(11) EP3270191	(11) EP3273575
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3265744	(11) EP3270487	(11) EP3273576
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3265921	(11) EP3270490	(11) EP3273710
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3266303	(11) EP3270500	(11) EP3273886
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3266693	(11) EP3270610	(11) EP3273981
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3267147	(11) EP3270744	(11) EP3274208
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3267469	(11) EP3271136	(11) EP3274248
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3267721	(11) EP3271256	(11) EP3274610
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3267729	(11) EP3271505	(11) EP3274654
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3267859	(11) EP3271554	(11) EP3274697
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3268563	(11) EP3271567	(11) EP3274891
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3268571	(11) EP3271710	(11) EP3275011
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3275030	(11) EP3279211	(11) EP3285343
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3275151	(11) EP3279296	(11) EP3285404
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3275167	(11) EP3279361	(11) EP3287330
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3275210	(11) EP3279389	(11) EP3287390
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3275266	(11) EP3279566	(11) EP3287496
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3275297	(11) EP3279629	(11) EP3287561
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3275482	(11) EP3279769	(11) EP3287647
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3276002	(11) EP3280046	(11) EP3287661
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3276014	(11) EP3280133	(11) EP3288233
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3276323	(11) EP3280489	(11) EP3288615
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3276494	(11) EP3280843	(11) EP3289436
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3277123	(11) EP3281459	(11) EP3289441
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3277467	(11) EP3281790	(11) EP3289733
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3277525	(11) EP3281844	(11) EP3290198
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3277997	(11) EP3282100	(11) EP3290585
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3278022	(11) EP3282178	(11) EP3290638
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3278345	(11) EP3282648	(11) EP3291280
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3278416	(11) EP3282759	(11) EP3291368
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3278906	(11) EP3283822	(11) EP3291388
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3278966	(11) EP3283999	(11) EP3291410
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3279083	(11) EP3284945	(11) EP3291616
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3279208	(11) EP3284953	(11) EP3291636
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3291966	(11) EP3299306	(11) EP3304853
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3292660	(11) EP3299624	(11) EP3304980
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3293417	(11) EP3299732	(11) EP3305299
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3293702	(11) EP3299746	(11) EP3305385
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3293814	(11) EP3299771	(11) EP3305427
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3293818	(11) EP3299923	(11) EP3305528
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3293919	(11) EP3300246	(11) EP3306035
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3293977	(11) EP3300505	(11) EP3306146
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3293986	(11) EP3301093	(11) EP3306198
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3294070	(11) EP3301320	(11) EP3306812
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3294200	(11) EP3301475	(11) EP3306836
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3294718	(11) EP3301653	(11) EP3306872
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3296144	(11) EP3301866	(11) EP3307030
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3296584	(11) EP3302188	(11) EP3307153
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3297396	(11) EP3302307	(11) EP3308015
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3297493	(11) EP3302395	(11) EP3308119
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3297699	(11) EP3302402	(11) EP3308533
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3297797	(11) EP3302416	(11) EP3308829
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3298315	(11) EP3304173	(11) EP3308873
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3298367	(11) EP3304307	(11) EP3309060
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3298633	(11) EP3304384	(11) EP3309202
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3299286	(11) EP3304705	(11) EP3309746
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3324923	(11) EP3330586	(11) EP3338028
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3325315	(11) EP3330642	(11) EP3338093
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3325666	(11) EP3330769	(11) EP3338121
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3325768	(11) EP3330981	(11) EP3338380
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3325894	(11) EP3331586	(11) EP3338533
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3326347	(11) EP3331882	(11) EP3338682
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3326770	(11) EP3332300	(11) EP3338736
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3326853	(11) EP3332998	(11) EP3338804
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327071	(11) EP3333027	(11) EP3338893
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327279	(11) EP3333170	(11) EP3339126
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327464	(11) EP3333959	(11) EP3339309
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327507	(11) EP3334649	(11) EP3339371
(00) 01.03.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327742	(11) EP3334925	(11) EP3340017
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327767	(11) EP3335021	(11) EP3340177
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327834	(11) EP3335483	(11) EP3340558
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327845	(11) EP3335927	(11) EP3341171
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327903	(11) EP3336375	(11) EP3341978
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327930	(11) EP3336635	(11) EP3342360
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3328281	(11) EP3336640	(11) EP3342471
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3329843	(11) EP3336692	(11) EP3342930
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3330453	(11) EP3337248	(11) EP3343163
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3330485	(11) EP3337259	(11) EP3343369
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3343649	(11) EP3349537	(11) EP3354565
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3343948	(11) EP3349779	(11) EP3354892
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3344426	(11) EP3350022	(11) EP3354970
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3344442	(11) EP3350561	(11) EP3355068
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3345027	(11) EP3350582	(11) EP3355134
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3345337	(11) EP3350645	(11) EP3355143
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3345443	(11) EP3351086	(11) EP3355236
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3345507	(11) EP3351191	(11) EP3355408
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3345714	(11) EP3351220	(11) EP3355423
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3346089	(11) EP3351706	(11) EP3355439
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3346097	(11) EP3352149	(11) EP3355638
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3346460	(11) EP3352244	(11) EP3355791
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3346548	(11) EP3352804	(11) EP3356469
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3346894	(11) EP3352939	(11) EP3356900
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3347785	(11) EP3353310	(11) EP3357265
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3348487	(11) EP3353351	(11) EP3357379
(00) 29.04.2020	(00) 29.04.2020	(00) 01.03.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3348720	(11) EP3353398	(11) EP3357621
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3348852	(11) EP3354097	(11) EP3357733
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3349003	(11) EP3354422	(11) EP3357762
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3349256	(11) EP3354488	(11) EP3357984
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3349354	(11) EP3354531	(11) EP3358183
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3349375	(11) EP3354563	(11) EP3358486
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375172	(11) EP3377859	(11) EP3382248
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375314	(11) EP3378171	(11) EP3382348
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375330	(11) EP3378736	(11) EP3382380
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375697	(11) EP3378755	(11) EP3382493
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375719	(11) EP3379130	(11) EP3382642
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375797	(11) EP3379227	(11) EP3383067
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376003	(11) EP3379267	(11) EP3383075
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376045	(11) EP3379351	(11) EP3383152
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376077	(11) EP3379523	(11) EP3383297
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376261	(11) EP3379597	(11) EP3383510
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376397	(11) EP3379700	(11) EP3383625
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376575	(11) EP3379894	(11) EP3383720
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376646	(11) EP3379908	(11) EP3383859
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376649	(11) EP3379973	(11) EP3384978
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376655	(11) EP3380055	(11) EP3385028
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376742	(11) EP3380418	(11) EP3385136
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376790	(11) EP3380541	(11) EP3385240
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3377431	(11) EP3380639	(11) EP3385511
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3377566	(11) EP3380697	(11) EP3387022
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3377746	(11) EP3381489	(11) EP3387163
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3377754	(11) EP3381617	(11) EP3387380
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3377784	(11) EP3382128	(11) EP3387501
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3387741	(11) EP3396433	(11) EP3402209
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3387853	(11) EP3396735	(11) EP3402305
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3387990	(11) EP3396878	(11) EP3402977
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3388802	(11) EP3397354	(11) EP3403611
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3389012	(11) EP3397947	(11) EP3403893
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3389125	(11) EP3398347	(11) EP3403988
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3389549	(11) EP3398372	(11) EP3404075
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3390515	(11) EP3398525	(11) EP3404296
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3390565	(11) EP3398569	(11) EP3404651
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3392019	(11) EP3398772	(11) EP3404677
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3392235	(11) EP3399292	(11) EP3404981
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3392428	(11) EP3399839	(11) EP3405063
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3392523	(11) EP3400817	(11) EP3405208
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3392849	(11) EP3401072	(11) EP3405370
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3393177	(11) EP3401101	(11) EP3405644
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3393641	(11) EP3401475	(11) EP3405785
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3394125	(11) EP3401715	(11) EP3406409
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3394252	(11) EP3401761	(11) EP3406775
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3394584	(11) EP3402052	(11) EP3407355
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3394919	(11) EP3402113	(11) EP3407524
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3395389	(11) EP3402151	(11) EP3408001
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3395420	(11) EP3402160	(11) EP3408483
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3408491	(11) EP3414477	(11) EP3421730
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3408553	(11) EP3415299	(11) EP3421764
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3408733	(11) EP3415593	(11) EP3421910
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3409589	(11) EP3416452	(11) EP3422491
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3409893	(11) EP3416760	(11) EP3422645
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3410259	(11) EP3416837	(11) EP3422760
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3410654	(11) EP3416866	(11) EP3422787
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3410805	(11) EP3417547	(11) EP3422885
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3410831	(11) EP3417662	(11) EP3422905
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3411171	(11) EP3417804	(11) EP3423249
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3411277	(11) EP3418038	(11) EP3423335
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3411550	(11) EP3418054	(11) EP3423392
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3411913	(11) EP3418479	(11) EP3423744
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3411951	(11) EP3418786	(11) EP3423842
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3412331	(11) EP3419347	(11) EP3424015
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3412350	(11) EP3419713	(11) EP3424092
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3412721	(11) EP3419958	(11) EP3424280
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3413174	(11) EP3420570	(11) EP3424615
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3413601	(11) EP3420963	(11) EP3424734
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3414142	(11) EP3421351	(11) EP3424750
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3414199	(11) EP3421619	(11) EP3425229
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3414466	(11) EP3421711	(11) EP3425735
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3450603	(11) EP3455340	(11) EP3461667
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3450613	(11) EP3455576	(11) EP3461690
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3450685	(11) EP3455585	(11) EP3461762
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3450823	(11) EP3455601	(11) EP3462104
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3451399	(11) EP3455693	(11) EP3462155
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3451464	(11) EP3456732	(11) EP3462332
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3451500	(11) EP3456901	(11) EP3462623
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3451761	(11) EP3456951	(11) EP3462782
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3452319	(11) EP3457579	(11) EP3462828
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3452424	(11) EP3458177	(11) EP3462898
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3452425	(11) EP3459269	(11) EP3463007
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3453202	(11) EP3459440	(11) EP3463232
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3453347	(11) EP3459727	(11) EP3463240
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3453515	(11) EP3459773	(11) EP3463936
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3453516	(11) EP3460184	(11) EP3463985
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3453556	(11) EP3460377	(11) EP3464144
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3453805	(11) EP3460378	(11) EP3464879
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3454489	(11) EP3460385	(11) EP3465275
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3454819	(11) EP3460858	(11) EP3465393
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3455094	(11) EP3460920	(11) EP3465627
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3455136	(11) EP3461058	(11) EP3466180
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3455270	(11) EP3461560	(11) EP3466430
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3480039	(11) EP3486464	(11) EP3492558
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3480048	(11) EP3486604	(11) EP3492856
(00) 29.04.2020	(00) 15.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3480345	(11) EP3487149	(11) EP3492905
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3480609	(11) EP3487219	(11) EP3493102
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3481217	(11) EP3487712	(11) EP3493640
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3481653	(11) EP3487799	(11) EP3494035
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3481723	(11) EP3487864	(11) EP3494168
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3482086	(11) EP3488327	(11) EP3494580
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3482118	(11) EP3488474	(11) EP3494847
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3482789	(11) EP3488531	(11) EP3494881
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3483571	(11) EP3488823	(11) EP3495099
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3483989	(11) EP3488924	(11) EP3495707
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3484133	(11) EP3488979	(11) EP3497267
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3484732	(11) EP3490092	(11) EP3497311
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3484874	(11) EP3490308	(11) EP3497712
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3484881	(11) EP3490456	(11) EP3498032
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3484962	(11) EP3490633	(11) EP3498643
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3485164	(11) EP3490817	(11) EP3498901
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3485188	(11) EP3491273	(11) EP3499542
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3485975	(11) EP3491790	(11) EP3500149
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3486137	(11) EP3491863	(11) EP3500377
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3486155	(11) EP3492053	(11) EP3500825
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3500867	(11) EP3505765	(11) EP3530342
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501080	(11) EP3506977	(11) EP3530405
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501091	(11) EP3506985	(11) EP3531204
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501161	(11) EP3507016	(11) EP3531585
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501427	(11) EP3508398	(11) EP3531922
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501645	(11) EP3511122	(11) EP3533499
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501820	(11) EP3511382	(11) EP3533799
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501869	(11) EP3512033	(11) EP3535804
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501979	(11) EP3514617	(11) EP3537011
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501980	(11) EP3517554	(11) EP3537454
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3502276	(11) EP3518711	(11) EP3539672
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3502507	(11) EP3518722	(11) EP3539857
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3503063	(11) EP3522522	(11) EP3539879
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3503510	(11) EP3524007	(11) EP3540434
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3503820	(11) EP3524287	(11) EP3540814
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3504061	(11) EP3524632	(11) EP3542095
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3504106	(11) EP3524758	(11) EP3542152
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3504651	(11) EP3524975	(11) EP3542477
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3504683	(11) EP3525255	(11) EP3543042
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3505105	(11) EP3525938	(11) EP3543343
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3505337	(11) EP3527491	(11) EP3543682
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3505709	(11) EP3527669	(11) EP3543844
(00) 29.04.2020	(00) 29.04.2020	(00) 29.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3544208	(11) EP3576574
(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3544379	(11) EP3577358
(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3545534	(11) EP3580078
(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3546354	(11) EP3580793
(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3547329	(11) EP3581725
(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3548975	(11) EP3602609
(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3549871	(11) EP3603117
(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3551488	(11) EP3609775
(00) 29.04.2020	(00) 29.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3552247	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3553139	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3555019	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3555154	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3555856	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3556936	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3556942	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3558224	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3559134	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3560829	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3566550	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3569280	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3571568	
(00) 29.04.2020	
(00) EPV Ceased Effect	
(11) EP3575113	
(00) 29.04.2020	

VRB

**Verbeteringen op eerdere publicaties.
Contains data concerning corrections.**

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) BlackBerry Limited	H04L 12/16	(71) Intel Corporation
(73) BlackBerry Limited	H04L 29/06	(73) Apple Inc.
(11) EP2955659	(00) Assignment	(11) EP2944115
(00) 17.09.2020	(71) BlackBerry Limited	(00) 17.09.2020
(51) G06F 21/53	(73) BlackBerry Limited	(51) H04L 1/18
G06F 21/62	(11) EP2741477	H04W 28/02
(00) Assignment	(00) 17.09.2020	H04L 12/813
(71) Apple Inc.	(51) H04M 1/27	(00) Assignment
(73) Apple Inc.	H04M 3/42	(71) Intel Corporation
(11) EP2946583	H04M 1/2745	(73) Apple Inc.
(00) 17.09.2020	(00) Assignment	(11) EP2959735
(51) H04N 21/2343	(71) Apple Inc.	(00) 17.09.2020
H04N 21/258	(73) Apple Inc.	(51) H04W 4/00
H04N 21/442	(11) EP2979427	H04W 8/00
H04N 21/643	(00) 17.09.2020	H04W 28/08
H03M 13/15	(51) H04N 21/24	H04W 40/02
H03M 13/19	H04N 21/845	H04W 48/08
H04L 5/00	H04N 21/8543	H04W 88/06
H04L 12/26	H04L 12/16	H04L 12/725
H04L 29/06	H04L 29/06	(00) Assignment
H04L 29/08	(00) Assignment	(71) Apple Inc.
H04W 16/28	(71) BlackBerry Limited	(73) Apple Inc.
H04W 24/02	(73) BlackBerry Limited	(11) EP2944135
H04W 24/04	(11) EP2765794	(00) 17.09.2020
H04W 28/02	(00) 17.09.2020	(51) H04W 24/02
H04W 40/34	(51) H04W 8/18	H04W 28/02
H04W 72/00	H04W 8/24	H04W 52/24
H04W 72/04	H04W 8/26	(00) Assignment
H04W 76/02	(00) Assignment	(71) Intel Corporation
H04W 88/06	(71) Intel Corporation	(73) Apple Inc.
H04N 19/89	(73) Apple Inc.	(11) EP2995022
(00) Assignment	(11) EP2946583	(00) 17.09.2020
(71) 2236008 ONTARIO INC.	(00) 17.09.2020	(51) H04B 7/26
(73) 2236008 ONTARIO INC.	(51) H04N 21/2343	H04L 12/26
(11) EP2568619	H04N 21/258	H04W 24/06
(00) 17.09.2020	H04N 21/442	H04W 52/26
(51) H04B 3/23	H04N 21/643	H04B 17/00
H04M 9/08	H03M 13/15	(00) Assignment
(00) Assignment	H03M 13/19	(71) Apple Inc.
(71) Apple Inc.	H04L 5/00	(73) Apple Inc.
(73) Apple Inc.	H04L 12/26	(11) EP2959735
(11) EP2944115	H04L 29/06	(00) 17.09.2020
(00) 17.09.2020	H04L 29/08	(51) H04W 4/00
(51) H04L 1/18	H04W 16/28	H04W 8/00
H04W 28/02	H04W 24/02	H04W 28/08
H04L 12/813	H04W 24/04	H04W 40/02
(00) Assignment	H04W 28/02	H04W 48/08
(71) BlackBerry Limited	H04W 40/34	H04W 88/06
(73) BlackBerry Limited	H04W 72/00	H04L 12/725
(11) EP2786888	H04W 72/04	(00) Assignment
(00) 17.09.2020	H04W 76/02	(71) Intel Corporation
(51) B60K 37/06	H04W 88/06	(73) Apple Inc.
H04W 4/00	H04N 19/89	(11) EP2944135
(00) Assignment	(00) Assignment	(00) 17.09.2020
(71) Intel Corporation	(71) 8758271 CANADA INC.	(51) H04W 24/02
(73) Apple Inc.	(73) 2236008 ONTARIO INC.	H04W 28/02
(11) EP2979427	(11) EP2568619	H04W 52/24
(00) 17.09.2020	(00) 17.09.2020	(00) Assignment
(51) H04N 21/24	(51) H04B 3/23	(71) Intel Corporation
H04N 21/845	H04M 9/08	(73) Apple Inc.
H04N 21/8543	(00) Assignment	(11) EP2979499

(00) 17.09.2020	H04W 48/14	H04L 5/00
(51) H04W 28/20	(00) Assignment	H04L 29/08
(00) Assignment	(71) Intel Corporation	H04W 8/00
(71) Apple Inc.	(73) Apple Inc.	H04W 24/00
(73) Apple Inc.	(11) EP2959729	H04W 52/02
(11) EP2979499	(00) 17.09.2020	H04W 60/00
(00) 17.09.2020	(51) H04W 52/02	H04W 88/02
(51) H04W 28/20	(00) Assignment	H04W 92/20
(00) Assignment	(71) Apple Inc.	H04L 12/803
(71) Apple Inc.	(73) Apple Inc.	(00) Assignment
(73) Apple Inc.	(11) EP3031145	(71) Apple Inc.
(11) EP2959734	(00) 17.09.2020	(73) Apple Inc.
(00) 17.09.2020	(51) H04B 7/26	(11) EP3025533
(51) H04W 8/00	H04B 17/00	(00) 17.09.2020
H04W 72/02	(00) Assignment	(51) H04B 7/06
H04W 72/04	(71) Intel Corporation	H04J 11/00
(00) Assignment	(73) Apple Inc.	H04L 5/00
(71) Intel Corporation	(11) EP3148093	H04L 29/06
(73) Apple Inc.	(00) 17.09.2020	H04W 16/28
(11) EP2959734	(51) H04B 1/04	H04W 24/02
(00) 17.09.2020	H04L 27/20	H04W 24/08
(51) H04W 8/00	(00) Assignment	H04W 24/10
H04W 72/02	(71) Intel Corporation	H04W 28/12
H04W 72/04	(73) Apple Inc.	H04W 36/00
(00) Assignment	(11) EP3031145	H04W 36/30
(71) Apple Inc.	(00) 17.09.2020	H04W 52/02
(73) Apple Inc.	(51) H04B 7/26	H04W 72/04
(11) EP2995022	H04B 17/00	H04W 84/04
(00) 17.09.2020	(00) Assignment	H04W 4/70
(51) H04B 7/26	(71) Apple Inc.	H04W 76/10
H04L 12/26	(73) Apple Inc.	H04W 76/11
H04W 24/06	(11) EP2979413	H04W 76/14
H04W 52/26	(00) 17.09.2020	H04W 76/27
H04B 17/00	(51) H04L 25/03	(00) Assignment
(00) Assignment	(00) Assignment	(71) Intel Corporation
(71) Apple Inc.	(71) Apple Inc.	(73) Apple Inc.
(73) Apple Inc.	(73) Apple Inc.	(11) EP3064027
(11) EP3148093	(11) EP3086602	(00) 17.09.2020
(00) 17.09.2020	(00) 17.09.2020	(51) G06F 9/48
(51) H04B 1/04	(51) H04W 48/16	H04L 1/16
H04L 27/20	(00) Assignment	H04L 1/18
(00) Assignment	(71) Intel Corporation	H04L 5/00
(71) Apple Inc.	(73) Apple Inc.	H04L 29/08
(73) Apple Inc.	(11) EP3094063	H04W 8/00
(11) EP3094063	(00) 17.09.2020	H04W 24/00
(00) 17.09.2020	(51) H04L 29/06	H04W 52/02
(51) H04L 29/06	H04L 29/08	H04W 60/00
H04L 29/08	(00) Assignment	H04W 88/02
(00) Assignment	(71) Intel Corporation	H04W 92/20
(71) Apple Inc.	(73) Apple Inc.	H04L 12/803
(73) Apple Inc.	(11) EP3086602	(00) Assignment
(11) EP2979495	(00) 17.09.2020	(71) Intel Corporation
(00) 17.09.2020	(51) H04W 48/16	(73) Apple Inc.
(51) H04W 28/02	(00) Assignment	(11) EP3025533
H04W 48/14	(71) Apple Inc.	(00) 17.09.2020
(00) Assignment	(73) Apple Inc.	(51) H04B 7/06
(71) Intel Corporation	(11) EP2959729	H04J 11/00
(73) Apple Inc.	(00) 17.09.2020	H04L 5/00
(11) EP2979413	(51) H04W 52/02	H04L 29/06
(00) 17.09.2020	(00) Assignment	H04W 16/28
(51) H04L 25/03	(71) Apple Inc.	H04W 24/02
(00) Assignment	(73) Apple Inc.	H04W 24/08
(71) Intel Corporation	(11) EP3064027	H04W 24/10
(73) Apple Inc.	(00) 17.09.2020	H04W 28/12
(11) EP2979495	(51) G06F 9/48	H04W 36/00
(00) 17.09.2020	H04L 1/16	H04W 36/30
(51) H04W 28/02	H04L 1/18	H04W 52/02
		H04W 72/04

H04W 84/04	(51) H04W 4/14	(00) Assignment
H04W 4/70	H04W 28/08	(71) Apple Inc.
H04W 76/10	H04W 88/18	(73) Apple Inc.
H04W 76/11	(00) Assignment	(11) EP3047600
H04W 76/14	(71) Intel Corporation	(00) 17.09.2020
H04W 76/27	(73) Apple Inc.	(51) H04B 7/26
(00) Assignment	(11) EP3064007	H04L 1/18
(71) Intel Corporation	(00) 17.09.2020	H04L 5/00
(73) Apple Inc.	(51) H04L 5/00	H04L 5/14
(11) EP3063883	H04W 28/08	H04W 4/14
(00) 17.09.2020	H04W 36/00	H04W 72/04
(51) H04L 5/00	H04W 56/00	H04W 4/00
H04W 28/08	(00) Assignment	(00) Assignment
H04W 36/00	(71) Intel Corporation	(71) Apple Inc.
H04W 56/00	(73) Apple Inc.	(73) Apple Inc.
H04W 76/15	(11) EP3025435	(11) EP3092842
(00) Assignment	(00) 17.09.2020	(00) 17.09.2020
(71) Intel Corporation	(51) H01Q 1/24	(51) H04L 29/08
(73) Apple Inc.	H01Q 3/00	H04W 8/00
(11) EP3047672	H04B 7/06	H04W 4/00
(00) 17.09.2020	H04J 11/00	H04W 4/02
(51) H04L 1/18	H04L 5/00	(00) Assignment
H04L 5/00	H04L 29/06	(71) Intel Corporation
(00) Assignment	H04W 16/28	(73) Apple Inc.
(71) Intel Corporation	H04W 24/02	(11) EP3047600
(73) Apple Inc.	H04W 24/08	(00) 17.09.2020
(11) EP2615735	H04W 24/10	(51) H04B 7/26
(00) 17.09.2020	H04W 28/12	H04L 1/18
(51) H03G 3/30	H04W 36/00	H04L 5/00
(00) Assignment	H04W 36/30	H04L 5/14
(71) Apple Inc.	H04W 52/02	H04W 4/14
(73) Apple Inc.	H04W 72/04	H04W 72/04
(11) EP3025435	H04W 84/04	H04W 4/00
(00) 17.09.2020	H04B 7/0417	(00) Assignment
(51) H01Q 1/24	H04B 7/02	(71) Intel Corporation
H01Q 3/00	H04W 4/00	(73) Apple Inc.
H04B 7/06	(00) Assignment	(11) EP3092842
H04J 11/00	(71) Apple Inc.	(00) 17.09.2020
H04L 5/00	(73) Apple Inc.	(51) H04L 29/08
H04L 29/06	(11) EP3063883	H04W 8/00
H04W 16/28	(00) 17.09.2020	H04W 4/00
H04W 24/02	(51) H04L 5/00	H04W 4/02
H04W 24/08	H04W 28/08	(00) Assignment
H04W 24/10	H04W 36/00	(71) Apple Inc.
H04W 28/12	H04W 56/00	(73) Apple Inc.
H04W 36/00	H04W 76/15	(11) EP3005636
H04W 36/30	(00) Assignment	(00) 17.09.2020
H04W 52/02	(71) Apple Inc.	(51) H04B 7/06
H04W 72/04	(73) Apple Inc.	H04L 25/03
H04W 84/04	(11) EP3047672	H04L 27/20
H04B 7/0417	(00) 17.09.2020	H04W 12/02
H04B 7/02	(51) H04L 1/18	H04W 28/02
H04W 4/00	H04L 5/00	H04W 48/16
(00) Assignment	(00) Assignment	H04W 92/24
(71) Apple Inc.	(71) Apple Inc.	H04B 7/04
(73) Apple Inc.	(73) Apple Inc.	H04B 7/0452
(11) EP3064007	(11) EP2615735	H04B 7/0456
(00) 17.09.2020	(00) 17.09.2020	H04W 4/70
(51) H04L 5/00	(51) H03G 3/30	(00) Assignment
H04W 28/08	(00) Assignment	(71) Apple Inc.
H04W 36/00	(71) Apple Inc.	(73) Apple Inc.
H04W 56/00	(73) Apple Inc.	(11) EP3063982
(00) Assignment	(11) EP3047674	(00) 17.09.2020
(71) Intel Corporation	(00) 17.09.2020	(51) H04L 5/00
(73) Apple Inc.	(51) H04W 4/14	H04W 28/08
(11) EP3047674	H04W 28/08	H04W 36/00
(00) 17.09.2020	H04W 88/18	H04W 56/00

H04W 76/15	(00) Assignment	(71) Apple Inc.
H04W 76/18	(71) Intel Corporation	(73) Apple Inc.
(00) Assignment	(73) Apple Inc.	(11) EP3101824
(71) Apple Inc.	(11) EP2982154	(00) 17.09.2020
(73) Apple Inc.	(00) 17.09.2020	(51) H04B 7/26
(11) EP2946607	(51) H04L 5/00	H04L 1/18
(00) 17.09.2020	H04W 24/08	H04L 5/00
(51) H04J 3/00	H04W 76/19	H04L 5/14
H04L 5/00	(00) Assignment	H04W 4/14
H04L 12/26	(71) Intel Corporation	H04W 72/04
H04L 29/06	(73) Apple Inc.	H04W 4/00
H04W 4/06	(11) EP3111699	(00) Assignment
H04W 8/00	(00) 17.09.2020	(71) Apple Inc.
H04W 12/04	(51) H04W 8/08	(73) Apple Inc.
H04W 16/32	H04W 36/14	(11) EP3050349
H04W 36/00	H04W 36/38	(00) 17.09.2020
H04W 48/08	(00) Assignment	(51) H04W 28/02
H04W 48/10	(71) Apple Inc.	H04W 28/08
H04W 48/16	(73) Apple Inc.	H04W 48/16
H04W 48/20	(11) EP2982154	H04W 48/18
H04W 52/02	(00) 17.09.2020	H04W 72/04
H04W 72/12	(51) H04L 5/00	H04W 84/12
H04W 74/00	H04W 24/08	H04W 88/06
H04W 84/12	H04W 76/19	H04L 12/801
H04W 88/06	(00) Assignment	H04L 12/813
H04B 7/0417	(71) Apple Inc.	(00) Assignment
H04B 7/0456	(73) Apple Inc.	(71) Intel Corporation
(00) Assignment	(11) EP3111699	(73) Apple Inc.
(71) Intel Corporation	(00) 17.09.2020	(11) EP3031272
(73) Apple Inc.	(51) H04W 8/08	(00) 17.09.2020
(11) EP3005636	H04W 36/14	(51) H04W 8/00
(00) 17.09.2020	H04W 36/38	H04W 48/12
(51) H04B 7/06	(00) Assignment	H04W 48/16
H04L 25/03	(71) Intel Corporation	H04W 4/70
H04L 27/20	(73) Apple Inc.	H04W 4/80
H04W 12/02	(11) EP3063982	H04W 76/14
H04W 28/02	(00) 17.09.2020	H04W 76/27
H04W 48/16	(51) H04L 5/00	(00) Assignment
H04W 92/24	H04W 28/08	(71) Intel Corporation
H04B 7/04	H04W 36/00	(73) Apple Inc.
H04B 7/0452	H04W 56/00	(11) EP3050349
H04B 7/0456	H04W 76/15	(00) 17.09.2020
H04W 4/70	H04W 76/18	(51) H04W 28/02
(00) Assignment	(00) Assignment	H04W 28/08
(71) Intel Corporation	(71) Apple Inc.	H04W 48/16
(73) Apple Inc.	(73) Apple Inc.	H04W 48/18
(11) EP2946607	(11) EP2979497	H04W 72/04
(00) 17.09.2020	(00) 17.09.2020	H04W 84/12
(51) H04J 3/00	(51) H04W 48/14	H04W 88/06
H04L 5/00	H04W 48/16	H04L 12/801
H04L 12/26	H04W 88/14	H04L 12/813
H04L 29/06	(00) Assignment	(00) Assignment
H04W 4/06	(71) Intel Corporation	(71) Intel Corporation
H04W 8/00	(73) Apple Inc.	(73) Apple Inc.
H04W 12/04	(11) EP2979497	(11) EP3101824
H04W 16/32	(00) 17.09.2020	(00) 17.09.2020
H04W 36/00	(51) H04W 48/14	(51) H04B 7/26
H04W 48/08	H04W 48/16	H04L 1/18
H04W 48/10	H04W 88/14	H04L 5/00
H04W 48/16	(00) Assignment	H04L 5/14
H04W 48/20	(71) Apple Inc.	H04W 4/14
H04W 52/02	(73) Apple Inc.	H04W 72/04
H04W 72/12	(11) EP2503701	H04W 4/00
H04W 74/00	(00) 17.09.2020	(00) Assignment
H04W 84/12	(51) H04B 1/04	(71) Intel Corporation
H04W 88/06	H04B 1/52	(73) Apple Inc.
H04B 7/0417	(00) Assignment	(11) EP3117673
H04B 7/0456		

(00) 17.09.2020	(51) H01Q 3/26	(73) Apple Inc.
(51) H04L 5/00	H01Q 3/38	(11) EP3251402
H04W 28/06	H01Q 21/06	(00) 17.09.2020
H04W 48/12	H01Q 21/28	(51) H04W 24/10
H04W 72/02	H01Q 21/29	H04W 28/04
H04W 72/04	H03F 1/02	(00) Assignment
H04W 88/04	H03F 3/24	(71) Apple Inc.
(00) Assignment	H03F 3/72	(73) Apple Inc.
(71) Apple Inc.	H04B 1/04	(11) EP3064016
(73) Apple Inc.	H04B 7/06	(00) 17.09.2020
(11) EP3031272	H04B 7/04	(51) H04L 5/00
(00) 17.09.2020	(00) Assignment	H04W 28/08
(51) H04W 8/00	(71) Intel Corporation	H04W 36/00
H04W 48/12	(73) Apple Inc.	H04W 56/00
H04W 48/16	(11) EP2503701	H04W 76/15
H04W 4/70	(00) 17.09.2020	H04W 76/18
H04W 4/80	(51) H04B 1/04	(00) Assignment
H04W 76/14	H04B 1/52	(71) Intel Corporation
H04W 76/27	(00) Assignment	(73) Apple Inc.
(00) Assignment	(71) Intel Corporation	(11) EP3092845
(71) Apple Inc.	(73) Apple Inc.	(00) 17.09.2020
(73) Apple Inc.	(11) EP3064016	(51) H04W 28/02
(11) EP3117673	(00) 17.09.2020	H04W 84/12
(00) 17.09.2020	(51) H04L 5/00	H04W 88/02
(51) H04L 5/00	H04W 28/08	(00) Assignment
H04W 5/00	H04W 36/00	(71) Apple Inc.
H04W 48/12	H04W 56/00	(73) Apple Inc.
H04W 72/02	H04W 76/15	(11) EP3261401
H04W 72/04	H04W 76/18	(00) 17.09.2020
H04W 88/04	(00) Assignment	(51) H04W 72/10
(00) Assignment	(71) Intel Corporation	H04W 88/06
(71) Intel Corporation	(73) Apple Inc.	H04W 76/15
(73) Apple Inc.	(11) EP3261401	(00) Assignment
(11) EP2979504	(00) 17.09.2020	(71) Apple Inc.
(00) 17.09.2020	(51) H04W 72/10	(73) Apple Inc.
(51) H04W 52/02	H04W 88/06	(11) EP3092845
H04W 68/00	H04W 76/15	(00) 17.09.2020
H04W 76/28	(00) Assignment	(51) H04W 28/02
(00) Assignment	(71) Apple Inc.	H04W 84/12
(71) Intel Corporation	(73) Apple Inc.	H04W 88/02
(73) Apple Inc.	(11) EP3031284	(00) Assignment
(11) EP3073572	(00) 17.09.2020	(71) Apple Inc.
(00) 17.09.2020	(51) H04W 8/00	(73) Apple Inc.
(51) H01Q 3/26	H04W 4/00	(11) EP3092854
H01Q 3/38	(00) Assignment	(00) 17.09.2020
H01Q 21/06	(71) Intel Corporation	(51) H04W 84/04
H01Q 21/28	(73) Apple Inc.	H04W 76/15
H01Q 21/29	(11) EP3092854	H04W 76/28
H03F 1/02	(00) 17.09.2020	(00) Assignment
H03F 3/24	(51) H04W 84/04	(71) Intel Corporation
H03F 3/72	H04W 76/15	(73) Apple Inc.
H04B 1/04	H04W 76/28	(11) EP3149993
H04B 7/06	(00) Assignment	(00) 17.09.2020
H04B 7/04	(71) Intel Corporation	(51) H04W 16/14
(00) Assignment	(73) Apple Inc.	H04W 24/02
(71) Apple Inc.	(11) EP3251402	H04W 48/16
(73) Apple Inc.	(00) 17.09.2020	H04W 72/04
(11) EP2979504	(51) H04W 24/10	H04W 84/12
(00) 17.09.2020	H04W 28/04	(00) Assignment
(51) H04W 52/02	(00) Assignment	(71) Apple Inc.
H04W 68/00	(71) Intel Corporation	(73) Apple Inc.
H04W 76/28	(73) Apple Inc.	(11) EP3117543
(00) Assignment	(11) EP3117543	(00) 17.09.2020
(71) Apple Inc.	(00) 17.09.2020	(51) H04W 8/00
(73) Apple Inc.	(51) H04W 8/00	(00) Assignment
(11) EP3073572	(00) Assignment	(71) Apple Inc.
(00) 17.09.2020	(71) Apple Inc.	(73) Apple Inc.

(11) EP3149993	(00) 17.09.2020	(00) 17.09.2020
(00) 17.09.2020	(51) H04B 1/715	(51) H04W 16/24
(51) H04W 16/14	H04L 7/00	H04W 24/00
H04W 24/02	H04W 84/20	H04W 88/18
H04W 48/16	H04W 4/80	(00) Assignment
H04W 72/04	(00) Assignment	(71) Apple Inc.
H04W 84/12	(71) Intel Corporation	(73) Apple Inc.
(00) Assignment	(73) Apple Inc.	(11) EP2995019
(71) Intel Corporation	(11) EP3050352	(00) 17.09.2020
(73) Apple Inc.	(00) 17.09.2020	(51) H04W 72/04
(11) EP3031284	(51) G06F 9/48	H04W 72/08
(00) 17.09.2020	H04L 1/00	H04W 4/00
(51) H04W 8/00	H04L 1/16	(00) Assignment
H04W 4/00	H04L 1/18	(71) Intel Corporation
(00) Assignment	H04L 5/00	(73) Apple Inc.
(71) Intel Corporation	H04W 8/00	(11) EP3031295
(73) Apple Inc.	H04W 36/22	(00) 17.09.2020
(11) EP3135058	H04W 40/22	(51) H04W 16/24
(00) 17.09.2020	H04W 52/02	H04W 24/00
(51) H04W 36/04	H04W 92/20	H04W 88/18
H04W 36/30	H04L 12/803	(00) Assignment
(00) Assignment	(00) Assignment	(71) Apple Inc.
(71) Apple Inc.	(71) Intel Corporation	(73) Apple Inc.
(73) Apple Inc.	(73) Apple Inc.	(11) EP3064012
(11) EP3135058	(11) EP2995019	(00) 17.09.2020
(00) 17.09.2020	(00) 17.09.2020	(51) H04W 72/04
(51) H04W 36/04	(51) H04W 72/04	H04W 88/06
H04W 36/30	H04W 72/08	(00) Assignment
(00) Assignment	H04W 4/00	(71) Apple Inc.
(71) Intel Corporation	(00) Assignment	(73) Apple Inc.
(73) Apple Inc.	(71) Intel Corporation	(11) EP3031152
(11) EP3047679	(73) Apple Inc.	(00) 17.09.2020
(00) 17.09.2020	(11) EP3031146	(51) H04B 7/26
(51) H04W 36/00	(00) 17.09.2020	H04J 11/00
(00) Assignment	(51) H04B 7/26	H04L 5/00
(71) Intel Corporation	H04B 17/00	H04L 5/14
(73) Apple Inc.	(00) Assignment	H04W 24/02
(11) EP3111692	(71) Intel Corporation	H04W 36/14
(00) 17.09.2020	(73) Apple Inc.	H04W 36/28
(51) H04W 64/00	(11) EP3185358	H04W 52/02
H04W 88/02	(00) 17.09.2020	H04W 56/00
(00) Assignment	(51) H01Q 1/52	H04W 72/04
(71) Apple Inc.	H01Q 9/42	H04W 74/08
(73) Apple Inc.	H01Q 21/28	(00) Assignment
(11) EP3264625	H01Q 5/314	(71) Intel Corporation
(00) 17.09.2020	H01Q 5/378	(73) Apple Inc.
(51) H04B 1/715	(00) Assignment	(11) EP3202073
H04L 7/00	(71) Apple Inc.	(00) 17.09.2020
H04W 84/20	(73) Apple Inc.	(51) H04L 5/00
H04W 4/80	(11) EP3031146	H04W 72/04
(00) Assignment	(00) 17.09.2020	(00) Assignment
(71) Apple Inc.	(51) H04B 7/26	(71) Intel Corporation
(73) Apple Inc.	H04B 17/00	(73) Apple Inc.
(11) EP3111692	(00) Assignment	(11) EP3047579
(00) 17.09.2020	(71) Apple Inc.	(00) 17.09.2020
(51) H04W 64/00	(73) Apple Inc.	(51) H04B 7/26
H04W 88/02	(11) EP3185358	(00) Assignment
(00) Assignment	(00) 17.09.2020	(71) Apple Inc.
(71) Apple Inc.	(51) H01Q 1/52	(73) Apple Inc.
(73) Apple Inc.	H01Q 9/42	(11) EP3202073
(11) EP3047679	H01Q 21/28	(00) 17.09.2020
(00) 17.09.2020	H01Q 5/314	(51) H04L 5/00
(51) H04W 36/00	H01Q 5/378	H04W 72/04
(00) Assignment	(00) Assignment	(00) Assignment
(71) Intel Corporation	(71) Apple Inc.	(71) Apple Inc.
(73) Apple Inc.	(73) Apple Inc.	(73) Apple Inc.
(11) EP3264625	(11) EP3031295	(11) EP3047579

(00) 17.09.2020	(00) 17.09.2020	H04W 56/00
(51) H04B 7/26	(51) H04J 11/00	(00) Assignment
(00) Assignment	H04W 24/08	(71) Apple Inc.
(71) Intel Corporation	H04W 24/10	(73) Apple Inc.
(73) Apple Inc.	H04W 36/00	(11) EP3198941
(11) EP3031152	H04W 88/08	(00) 17.09.2020
(00) 17.09.2020	(00) Assignment	(51) H04W 36/12
(51) H04B 7/26	(71) Intel Corporation	H04W 88/16
H04J 11/00	(73) Apple Inc.	H04W 76/11
H04L 5/00	(11) EP3178199	(00) Assignment
H04L 5/14	(00) 17.09.2020	(71) Apple Inc.
H04W 24/02	(51) H04L 12/24	(73) Apple Inc.
H04W 36/14	H04L 12/26	(11) EP2979414
H04W 36/28	H04L 29/08	(00) 17.09.2020
H04W 52/02	(00) Assignment	(51) H04L 29/02
H04W 56/00	(71) Apple Inc.	H04L 29/06
H04W 72/04	(73) Apple Inc.	(00) Assignment
H04W 74/08	(11) EP3138316	(71) Apple Inc.
(00) Assignment	(00) 17.09.2020	(73) Apple Inc.
(71) Intel Corporation	(51) H04J 11/00	(11) EP3110018
(73) Apple Inc.	H04W 24/08	(00) 17.09.2020
(11) EP3198941	H04W 24/10	(51) H04B 1/12
(00) 17.09.2020	H04W 36/00	H04B 1/525
(51) H04W 36/12	H04W 88/08	(00) Assignment
H04W 88/16	(00) Assignment	(71) Apple Inc.
H04W 76/11	(71) Apple Inc.	(73) Apple Inc.
(00) Assignment	(73) Apple Inc.	(11) EP3301975
(71) Intel Corporation	(11) EP3178199	(00) 17.09.2020
(73) Apple Inc.	(00) 17.09.2020	(51) H04W 36/30
(11) EP3064012	(51) H04L 12/24	H04B 1/3805
(00) 17.09.2020	H04L 12/26	(00) Assignment
(51) H04W 72/04	H04L 29/08	(71) Intel Corporation
H04W 88/06	(00) Assignment	(73) Apple Inc.
(00) Assignment	(71) Apple Inc.	(11) EP3110018
(71) Apple Inc.	(73) Apple Inc.	(00) 17.09.2020
(73) Apple Inc.	(11) EP3120477	(51) H04B 1/12
(11) EP3092761	(00) 17.09.2020	H04B 1/525
(00) 17.09.2020	(51) H04L 1/00	(00) Assignment
(51) H04L 1/00	H04L 27/34	(71) Intel Corporation
H04L 5/00	(00) Assignment	(73) Apple Inc.
(00) Assignment	(71) Apple Inc.	(11) EP3301975
(71) Apple Inc.	(73) Apple Inc.	(00) 17.09.2020
(73) Apple Inc.	(11) EP3258620	(51) H04W 36/30
(11) EP3050352	(00) 17.09.2020	H04B 1/3805
(00) 17.09.2020	(51) H04B 7/26	(00) Assignment
(51) G06F 9/48	H04J 11/00	(71) Intel Corporation
H04L 1/00	H04L 5/00	(73) Apple Inc.
H04L 1/16	H04L 5/14	(11) EP3262887
H04L 1/18	H04L 27/26	(00) 17.09.2020
H04L 5/00	H04W 56/00	(51) H04B 7/06
H04W 8/00	(00) Assignment	H04W 56/00
H04W 36/22	(71) Intel Corporation	H04W 72/12
H04W 40/22	(73) Apple Inc.	H04W 88/06
H04W 52/02	(11) EP3120477	H04B 7/0417
H04W 92/20	(00) 17.09.2020	(00) Assignment
H04L 12/803	(51) H04L 1/00	(71) Intel Corporation
(00) Assignment	H04L 27/34	(73) Apple Inc.
(71) Intel Corporation	(00) Assignment	(11) EP2962521
(73) Apple Inc.	(71) Intel Corporation	(00) 17.09.2020
(11) EP3092761	(73) Apple Inc.	(51) H04W 4/06
(00) 17.09.2020	(11) EP3258620	H04W 12/08
(51) H04L 1/00	(00) 17.09.2020	H04W 92/18
H04L 5/00	(51) H04B 7/26	(00) Assignment
(00) Assignment	H04J 11/00	(71) Apple Inc.
(71) Intel Corporation	H04L 5/00	(73) Apple Inc.
(73) Apple Inc.	H04L 5/14	(11) EP3262887
(11) EP3138316	H04L 27/26	(00) 17.09.2020

(51) H04B 7/06	(71) Apple Inc.	(51) H04L 29/08
H04W 56/00	(73) Apple Inc.	H04W 80/02
H04W 72/12	(11) EP3329608	(00) Assignment
H04W 88/06	(00) 17.09.2020	<hr/>
H04B 7/0417	(51) H04B 7/06	(71) Intel Corporation
(00) Assignment	H04B 7/08	(73) Apple Inc.
<hr/>	H04L 27/26	(11) EP2997670
(71) Apple Inc.	H04B 7/024	(00) 17.09.2020
(73) Apple Inc.	H04B 7/0452	(51) G01C 21/00
(11) EP2962521	(00) Assignment	H04L 12/64
(00) 17.09.2020	<hr/>	H04W 16/18
(51) H04W 4/06	(71) Apple Inc.	H04W 24/02
H04W 12/08	(73) Apple Inc.	H04W 28/02
H04W 92/18	(11) EP3295704	H04W 72/04
(00) Assignment	(00) 17.09.2020	H04W 88/06
<hr/>	(51) H04W 24/10	G01S 19/12
(71) Intel Corporation	H04W 36/00	H04B 17/318
(73) Apple Inc.	(00) Assignment	H04W 4/02
(11) EP2979414	<hr/>	(00) Assignment
(00) 17.09.2020	(71) Apple Inc.	<hr/>
(51) H04L 29/02	(73) Apple Inc.	(71) Intel Corporation
H04L 29/06	(11) EP3209039	(73) Apple Inc.
(00) Assignment	(00) 17.09.2020	(11) EP3248437
<hr/>	(51) H04W 8/00	(00) 17.09.2020
(71) Intel Corporation	H04W 48/12	(51) H04L 29/08
(73) Apple Inc.	H04W 48/16	H04W 80/02
(11) EP3229517	H04W 4/70	(00) Assignment
(00) 17.09.2020	H04W 4/80	<hr/>
(51) H04W 24/02	H04W 76/14	(71) Intel Corporation
H04W 48/12	H04W 76/27	(73) Apple Inc.
(00) Assignment	(00) Assignment	(11) EP3242508
<hr/>	<hr/>	(00) 17.09.2020
(71) Apple Inc.	(71) Intel Corporation	(51) H04W 36/00
(73) Apple Inc.	(73) Apple Inc.	(00) Assignment
(11) EP3229517	(11) EP3295704	<hr/>
(00) 17.09.2020	(00) 17.09.2020	(71) Intel Corporation
(51) H04W 24/02	(51) H04W 24/10	(73) Apple Inc.
H04W 48/12	H04W 36/00	(11) EP2947781
(00) Assignment	(00) Assignment	(00) 17.09.2020
<hr/>	<hr/>	(51) H04B 1/40
(71) Apple Inc.	(71) INTEL Corporation	(00) Assignment
(73) Apple Inc.	(73) Apple Inc.	<hr/>
(11) EP3242508	(11) EP3209039	(71) Intel Corporation
(00) 17.09.2020	(00) 17.09.2020	(73) Apple Inc.
(51) H04W 36/00	(51) H04W 8/00	(11) EP3329703
(00) Assignment	H04W 48/12	(00) 17.09.2020
<hr/>	H04W 48/16	(51) H04W 8/12
(71) Intel Corporation	H04W 4/70	H04W 28/08
(73) Apple Inc.	H04W 4/80	(00) Assignment
(11) EP3111569	H04W 76/14	<hr/>
(00) 17.09.2020	H04W 76/27	(71) Apple Inc.
(51) H04L 1/18	(00) Assignment	(73) Apple Inc.
H04L 5/00	<hr/>	(11) EP3031189
H04W 72/12	(71) Apple Inc.	(00) 17.09.2020
(00) Assignment	(73) Apple Inc.	(51) H04W 8/00
<hr/>	(11) EP2997670	(00) Assignment
(71) Intel Corporation	(00) 17.09.2020	<hr/>
(73) Apple Inc.	(51) G01C 21/00	(71) Apple Inc.
(11) EP3329608	H04L 12/64	(73) Apple Inc.
(00) 17.09.2020	H04W 16/18	(11) EP3329703
(51) H04B 7/06	H04W 24/02	(00) 17.09.2020
H04B 7/08	H04W 28/02	(51) H04W 8/12
H04L 27/26	H04W 72/04	H04W 28/08
H04B 7/024	H04W 88/06	(00) Assignment
H04B 7/0452	G01S 19/12	<hr/>
(00) Assignment	H04B 17/318	(71) Apple Inc.
<hr/>	H04W 4/02	(73) Apple Inc.
(71) Apple Inc.	(00) Assignment	(11) EP3244542
(73) Apple Inc.	<hr/>	(00) 17.09.2020
(11) EP3111569	(71) Apple Inc.	(51) H04B 1/10
(00) 17.09.2020	(73) Apple Inc.	H04B 5/00
(51) H04L 1/18	(11) EP3248437	(00) Assignment
H04L 5/00	(00) 17.09.2020	<hr/>
H04W 72/12		(71) Apple Inc.
(00) Assignment		(73) Apple Inc.
<hr/>		(11) EP2947781

(00) 17.09.2020	(71) Apple Inc.	H04B 1/525
(51) H04B 1/40	(73) Apple Inc.	H04B 17/14
(00) Assignment	(11) EP3207738	H04B 17/318
(71) Intel Corporation	(00) 17.09.2020	(00) Assignment
(73) Apple Inc.	(51) H04W 72/04	(71) Apple Inc.
(11) EP3244542	H04W 88/06	(73) Apple Inc.
(00) 17.09.2020	H04W 88/10	(11) EP3255801
(51) H04B 1/10	H04W 76/15	(00) 17.09.2020
H04B 5/00	(00) Assignment	(51) H04B 1/10
(00) Assignment	(71) Intel Corporation	(00) Assignment
(71) Intel Corporation	(73) Apple Inc.	(71) Apple Inc.
(73) Apple Inc.	(11) EP3031189	(73) Apple Inc.
(11) EP2959726	(00) 17.09.2020	(11) EP2989833
(00) 17.09.2020	(51) H04W 8/00	(00) 17.09.2020
(51) H04W 48/14	(00) Assignment	(51) H04W 48/18
H04W 48/18	(71) Intel Corporation	H04W 88/06
(00) Assignment	(73) Apple Inc.	(00) Assignment
(71) Intel Corporation	(11) EP3068045	(71) Intel Corporation
(73) Apple Inc.	(00) 17.09.2020	(73) Apple Inc.
(11) EP3070871	(51) H02M 3/156	(11) EP3255801
(00) 17.09.2020	H03F 1/02	(00) 17.09.2020
(51) H04L 5/00	(00) Assignment	(51) H04B 1/10
(00) Assignment	(71) Apple Inc.	(00) Assignment
(71) Apple Inc.	(73) Apple Inc.	(71) Intel Corporation
(73) Apple Inc.	(11) EP2989726	(73) Apple Inc.
(11) EP2959726	(00) 17.09.2020	(11) EP2989833
(00) 17.09.2020	(51) H04B 7/04	(00) 17.09.2020
(51) H04W 48/14	(00) Assignment	(51) H04W 48/18
H04W 48/18	(71) Apple Inc.	H04W 88/06
(00) Assignment	(73) Apple Inc.	(00) Assignment
(71) Apple Inc.	(11) EP3100583	(71) Intel Corporation
(73) Apple Inc.	(00) 17.09.2020	(73) Apple Inc.
(11) EP3070871	(51) H04W 28/08	(11) EP3185427
(00) 17.09.2020	H04W 36/14	(00) 17.09.2020
(51) H04L 5/00	H04W 36/22	(51) H03H 7/46
(00) Assignment	H04W 88/16	H03H 7/48
(71) Intel Corporation	(00) Assignment	H04L 5/14
(73) Apple Inc.	(71) Intel Corporation	H04W 52/24
(11) EP3070839	(73) Apple Inc.	H04B 1/525
(00) 17.09.2020	(11) EP2989726	H04B 17/14
(51) H03F 1/02	(00) 17.09.2020	H04B 17/318
H03F 1/30	(51) H04B 7/04	(00) Assignment
H03F 1/32	(00) Assignment	(71) Intel Corporation
H03F 1/56	(71) Intel Corporation	(73) Apple Inc.
H03F 3/195	(73) Apple Inc.	(11) EP3035526
H03F 3/24	(11) EP3100583	(00) 17.09.2020
(00) Assignment	(00) 17.09.2020	(51) H03F 1/02
(71) Intel Corporation	(51) H04W 28/08	H03F 1/56
(73) Apple Inc.	H04W 36/14	H03F 3/00
(11) EP3207738	H04W 36/22	H03F 3/189
(00) 17.09.2020	H04W 88/16	H03F 3/19
(51) H04W 72/04	(00) Assignment	H03F 3/21
H04W 88/06	(71) Apple Inc.	H03F 3/217
H04W 88/10	(73) Apple Inc.	H03F 3/24
H04W 76/15	(11) EP3068045	H04B 1/04
(00) Assignment	(00) 17.09.2020	(00) Assignment
(71) Apple Inc.	(51) H02M 3/156	(71) Intel Corporation
(73) Apple Inc.	H03F 1/02	(73) Apple Inc.
(11) EP3070839	(00) Assignment	(11) EP2962485
(00) 17.09.2020	(71) Apple Inc.	(00) 17.09.2020
(51) H03F 1/02	(73) Apple Inc.	(51) H04W 16/08
H03F 1/30	(11) EP3185427	H04W 28/08
H03F 1/32	(00) 17.09.2020	H04W 48/18
H03F 1/56	(51) H03H 7/46	(00) Assignment
H03F 3/195	H03H 7/48	(71) Intel Corporation
H03F 3/24	H04L 5/14	(73) Apple Inc.
(00) Assignment	H04W 52/24	(11) EP3300398

(00) 17.09.2020	(00) Assignment	(51) H03H 17/06
(51) H04W 8/00	(71) Intel Corporation	H04L 27/00
H04W 28/08	(73) Apple Inc.	(00) Assignment
H04W 40/02	(11) EP3091784	(71) Apple Inc.
H04W 48/18	(00) 17.09.2020	(73) Apple Inc.
H04W 88/06	(51) H04W 36/00	(11) EP2989842
H04L 12/725	H04W 36/36	(00) 17.09.2020
H04W 4/00	(00) Assignment	(51) H04J 11/00
(00) Assignment	(71) Intel Corporation	H04L 5/00
(71) Apple Inc.	(73) Apple Inc.	H04L 12/14
(73) Apple Inc.	(11) EP3264619	H04L 29/06
(11) EP2962485	(00) 17.09.2020	H04L 29/08
(00) 17.09.2020	(51) H04B 1/403	H04N 7/14
(51) H04W 16/08	(00) Assignment	H04W 8/22
H04W 28/08	(71) Apple Inc.	H04W 24/06
H04W 48/18	(73) Apple Inc.	H04W 48/18
(00) Assignment	(11) EP3301839	H04W 52/02
(71) Apple Inc.	(00) 17.09.2020	H04W 52/08
(73) Apple Inc.	(51) H04L 1/00	H04W 68/00
(11) EP3300398	(00) Assignment	H04W 4/70
(00) 17.09.2020	(71) Intel Corporation	H04W 76/14
(51) H04W 8/00	(73) Apple Inc.	H04W 76/28
H04W 28/08	(11) EP3221982	(00) Assignment
H04W 40/02	(00) 17.09.2020	(71) Apple Inc.
H04W 48/18	(51) H04B 7/06	(73) Apple Inc.
H04W 88/06	H04L 5/00	(11) EP3221982
H04L 12/725	H04B 7/04	(00) 17.09.2020
H04W 4/00	H04B 7/0426	(51) H04B 7/06
(00) Assignment	H04B 7/0456	H04L 5/00
(71) Apple Inc.	(00) Assignment	H04B 7/04
(73) Apple Inc.	(71) Intel Corporation	H04B 7/0426
(11) EP3035526	(73) Apple Inc.	H04B 7/0456
(00) 17.09.2020	(11) EP3301839	(00) Assignment
(51) H03F 1/02	(00) 17.09.2020	(71) Intel Corporation
H03F 1/56	(51) H04L 1/00	(73) Apple Inc.
H03F 3/00	(00) Assignment	(11) EP3001567
H03F 3/189	(71) Apple Inc.	(00) 17.09.2020
H03F 3/19	(73) Apple Inc.	(51) H03L 7/197
H03F 3/21	(11) EP3226499	(00) Assignment
H03F 3/217	(00) 17.09.2020	(71) Apple Inc.
H03F 3/24	(51) H03H 17/06	(73) Apple Inc.
H04B 1/04	H04L 27/00	(11) EP3100522
(00) Assignment	(00) Assignment	(00) 17.09.2020
(71) Apple Inc.	(71) Intel Corporation	(51) H04W 8/00
(73) Apple Inc.	(73) Apple Inc.	H04W 48/08
(11) EP3264619	(11) EP2989842	H04W 68/00
(00) 17.09.2020	(00) 17.09.2020	H04W 88/02
(51) H04B 1/403	(51) H04J 11/00	H04W 88/08
(00) Assignment	H04L 5/00	(00) Assignment
(71) Apple Inc.	H04L 12/14	(71) Apple Inc.
(73) Apple Inc.	H04L 29/06	(73) Apple Inc.
(11) EP3047581	H04L 29/08	(11) EP3217554
(00) 17.09.2020	H04N 7/14	(00) 17.09.2020
(51) H04B 7/26	H04W 8/22	(51) H03L 7/08
(00) Assignment	H04W 24/06	(00) Assignment
(71) Apple Inc.	H04W 48/18	(71) Intel Corporation
(73) Apple Inc.	H04W 52/02	(73) Apple Inc.
(11) EP3091784	H04W 52/08	(11) EP3100522
(00) 17.09.2020	H04W 68/00	(00) 17.09.2020
(51) H04W 36/00	H04W 4/70	(51) H04W 8/00
H04W 36/36	H04W 76/14	H04W 48/08
(00) Assignment	H04W 76/28	H04W 68/00
(71) Intel Corporation	(00) Assignment	H04W 88/02
(73) Apple Inc.	(71) Intel Corporation	H04W 88/08
(11) EP3047581	(73) Apple Inc.	(00) Assignment
(00) 17.09.2020	(11) EP3226499	(71) Intel Corporation
(51) H04B 7/26	(00) 17.09.2020	(73) Apple Inc.

(11) EP3217554	H03M 13/39	(71) Intel Corporation
(00) 17.09.2020	H03M 13/41	(73) Apple Inc.
(51) H03L 7/08	H04L 1/00	(11) EP3031147
(00) Assignment	(00) Assignment	(00) 17.09.2020
(71) Apple Inc.	(71) Apple Inc.	(51) H04L 5/00
(73) Apple Inc.	(73) Apple Inc.	H04W 48/12
(11) EP3001567	(11) EP3030950	H04W 56/00
(00) 17.09.2020	(00) 17.09.2020	H04W 72/04
(51) H03L 7/197	(51) H04L 5/00	H04W 4/70
(00) Assignment	H04W 52/02	(00) Assignment
(71) Apple Inc.	H04B 7/04	(71) Apple Inc.
(73) Apple Inc.	H04W 4/70	(73) Apple Inc.
(11) EP3281482	H04W 76/10	(11) EP3298820
(00) 17.09.2020	(00) Assignment	(00) 17.09.2020
(51) H04L 1/08	(71) Intel Corporation	(51) H04L 1/00
H04W 52/22	(73) Apple Inc.	H04L 1/16
H04W 74/08	(11) EP3273604	H04L 1/18
(00) Assignment	(00) 17.09.2020	H04W 24/10
(71) Intel Corporation	(51) G06F 11/14	H04W 28/08
(73) Apple Inc.	G06F 11/18	H04W 36/22
(11) EP3198778	H03M 13/25	H04W 80/02
(00) 17.09.2020	H03M 13/39	H04W 88/06
(51) H04L 5/00	H03M 13/41	H04W 88/10
(00) Assignment	H04L 1/00	H04W 76/15
(71) Intel Corporation	(00) Assignment	H04W 76/16
(73) Apple Inc.	(71) Intel Corporation	(00) Assignment
(11) EP3324599	(73) Apple Inc.	(71) Intel Corporation
(00) 17.09.2020	(11) EP3281482	(73) Apple Inc.
(51) H04N 21/24	(00) 17.09.2020	(11) EP3063980
H04N 21/845	(51) H04L 1/08	(00) 17.09.2020
H04N 21/8543	H04W 52/22	(51) H04W 28/08
H04L 12/16	H04W 74/08	H04W 56/00
H04L 29/06	(00) Assignment	H04W 4/90
(00) Assignment	(71) Intel Corporation	(00) Assignment
(71) Apple Inc.	(73) Apple Inc.	(71) Apple Inc.
(73) Apple Inc.	(11) EP3301818	(73) Apple Inc.
(11) EP3198778	(00) 17.09.2020	(11) EP3261279
(00) 17.09.2020	(51) H04B 1/10	(00) 17.09.2020
(51) H04L 5/00	H04B 7/06	(51) H04L 1/18
(00) Assignment	H04B 7/08	H04W 74/08
(71) Apple Inc.	(00) Assignment	(00) Assignment
(73) Apple Inc.	(71) Apple Inc.	(71) Intel Corporation
(11) EP3324599	(73) Apple Inc.	(73) Apple Inc.
(00) 17.09.2020	(11) EP3301818	(11) EP3298820
(51) H04N 21/24	(00) 17.09.2020	(00) 17.09.2020
H04N 21/845	(51) H04B 1/10	(51) H04L 1/00
H04N 21/8543	H04B 7/06	H04L 1/16
H04L 12/16	H04B 7/08	H04L 1/18
H04L 29/06	(00) Assignment	H04W 24/10
(00) Assignment	(71) Apple Inc.	H04W 28/08
(71) Intel Corporation	(73) Apple Inc.	H04W 36/22
(73) Apple Inc.	(11) EP3063980	H04W 80/02
(11) EP3030950	(00) 17.09.2020	H04W 88/06
(00) 17.09.2020	(51) H04W 28/08	H04W 88/10
(51) H04L 5/00	H04W 56/00	H04W 76/15
H04W 52/02	H04W 4/90	H04W 76/16
H04B 7/04	(00) Assignment	(00) Assignment
H04W 4/70	(71) Apple Inc.	(71) Intel Corporation
H04W 76/10	(73) Apple Inc.	(73) Apple Inc.
(00) Assignment	(11) EP3031147	(11) EP3261279
(71) Apple Inc.	(00) 17.09.2020	(00) 17.09.2020
(73) Apple Inc.	(51) H04L 5/00	(51) H04L 1/18
(11) EP3273604	H04W 48/12	H04W 74/08
(00) 17.09.2020	H04W 56/00	(00) Assignment
(51) G06F 11/14	H04W 72/04	(71) Intel Corporation
G06F 11/18	H04W 4/70	(73) Apple Inc.
H03M 13/25	(00) Assignment	(11) EP3226595

(00) 17.09.2020	(11) EP3070865	H04W 8/00
(51) H04L 5/00	(00) 17.09.2020	H04W 24/04
H04W 4/06	(51) H04L 1/00	H04W 24/10
H04W 12/02	H04L 1/18	H04W 28/02
H04W 12/04	(00) Assignment	H04W 36/32
H04W 12/06	(71) Apple Inc.	H04W 40/22
H04W 24/02	(73) Apple Inc.	H04W 40/24
H04W 24/10	(11) EP3005584	H04W 48/16
H04W 28/02	(00) 17.09.2020	H04W 52/02
H04W 36/00	(51) H04W 72/04	H04W 72/04
H04W 48/08	H04W 76/14	H04W 84/12
H04W 48/10	(00) Assignment	H04W 92/20
H04W 48/16	(71) Apple Inc.	H04L 12/803
H04W 48/20	(73) Apple Inc.	H04W 76/14
H04W 52/02	(11) EP3369283	H04W 76/18
H04W 56/00	(00) 17.09.2020	H04W 76/27
H04W 72/02	(51) H04W 74/08	H04W 76/38
H04W 72/04	(00) Assignment	(00) Assignment
H04W 84/12	(71) Intel Corporation	(71) Intel Corporation
H04W 88/06	(73) Apple Inc.	(73) Apple Inc.
H04W 76/11	(11) EP3005584	(11) EP3070865
H04W 76/14	(00) 17.09.2020	(00) 17.09.2020
H04W 76/27	(51) H04W 72/04	(51) H04L 1/00
H04W 76/28	H04W 76/14	H04L 1/18
(00) Assignment	(00) Assignment	(00) Assignment
(71) Intel Corporation	(71) Intel Corporation	(71) Apple Inc.
(73) Apple Inc.	(73) Apple Inc.	(73) Apple Inc.
(11) EP3179332	(11) EP3369283	(11) EP3353935
(00) 17.09.2020	(00) 17.09.2020	(00) 17.09.2020
(51) G06F 1/16	(51) H04W 74/08	(51) H04L 1/18
H04M 1/725	(00) Assignment	H04L 5/00
H04W 48/06	(71) Intel Corporation	H04W 72/04
H04W 4/02	(73) Apple Inc.	(00) Assignment
H04W 76/14	(11) EP3050348	(71) Intel Corporation
H04W 76/18	(00) 17.09.2020	(73) Apple Inc.
H04W 76/30	(51) G06F 9/48	(11) EP3361790
(00) Assignment	H04L 1/16	(00) 17.09.2020
(71) Intel Corporation	H04L 1/18	(51) H04W 52/14
(73) Apple Inc.	H04L 5/00	H04W 52/28
(11) EP3092728	H04L 29/08	H04W 52/34
(00) 17.09.2020	H04W 8/00	H04W 52/36
(51) H04B 7/26	H04W 24/04	(00) Assignment
H04L 5/00	H04W 24/10	(71) Apple Inc.
H04W 28/04	H04W 28/02	(73) Apple Inc.
(00) Assignment	H04W 36/32	(11) EP3253172
(71) Apple Inc.	H04W 40/22	(00) 17.09.2020
(73) Apple Inc.	H04W 40/24	(51) H04W 4/14
(11) EP3092728	H04W 48/16	H04W 8/04
(00) 17.09.2020	H04W 52/02	H04W 8/18
(51) H04B 7/26	H04W 72/04	H04W 8/20
H04L 5/00	H04W 84/12	H04W 48/02
H04W 28/04	H04W 92/20	H04W 60/00
(00) Assignment	H04L 12/803	H04W 60/04
(71) Apple Inc.	H04W 76/14	H04W 88/06
(73) Apple Inc.	H04W 76/18	H04W 76/18
(11) EP3179332	H04W 76/27	(00) Assignment
(00) 17.09.2020	H04W 76/38	(71) Intel Corporation
(51) G06F 1/16	(00) Assignment	(73) Apple Inc.
H04M 1/725	(71) Apple Inc.	(11) EP3353935
H04W 48/06	(73) Apple Inc.	(00) 17.09.2020
H04W 4/02	(11) EP3050348	(51) H04L 1/18
H04W 76/14	(00) 17.09.2020	H04L 5/00
H04W 76/18	(51) G06F 9/48	H04W 72/04
H04W 76/30	H04L 1/16	(00) Assignment
(00) Assignment	H04L 1/18	(71) Intel Corporation
(71) Apple Inc.	H04L 5/00	(73) Apple Inc.
(73) Apple Inc.	H04L 29/08	(11) EP3402302

(00) 17.09.2020	H04W 52/28	(00) 21.09.2020
(51) H04W 84/04	H04W 52/34	(51) B29B 9/06
H04W 76/15	H04W 52/36	B29B 9/12
H04W 76/28	(00) Assignment	C08J 3/12
(00) Assignment	(71) Intel Corporation	E21B 43/267
(71) Apple Inc.	(73) Apple Inc.	(00) Assignment
(73) Apple Inc.	(11) EP3031150	(71) E Ink Corporation
(11) EP3382904	(00) 17.09.2020	(73) E Ink Corporation
(00) 17.09.2020	(51) H04B 7/26	(11) EP3004980
(51) H04B 7/06	H04W 24/02	(00) 21.09.2020
(00) Assignment	(00) Assignment	(51) E06B 9/24
(71) Apple Inc.	(71) Intel Corporation	G02F 1/167
(73) Apple Inc.	(73) Apple Inc.	(00) Assignment
(11) EP3402302	(11) EP3253172	(71) Sonesto B.V.
(00) 17.09.2020	(00) 17.09.2020	(73) Sonesto B.V.
(51) H04W 84/04	(51) H04W 4/14	(11) 2017841
H04W 76/15	H04W 8/04	(00) 18.09.2020
H04W 76/28	H04W 8/18	(51) G06Q 10/08
(00) Assignment	H04W 8/20	(00) Assignment
(71) Intel Corporation	H04W 48/02	(71) Performance Polyamides, SAS
(73) Apple Inc.	H04W 60/00	(73) Performance Polyamides, SAS
(11) EP3382904	H04W 60/04	(11) EP2771159
(00) 17.09.2020	H04W 88/06	(00) 21.09.2020
(51) H04B 7/06	H04W 76/18	(51) B29B 9/16
(00) Assignment	(00) Assignment	C08J 3/12
(71) Apple Inc.	(71) Apple Inc.	(00) Assignment
(73) Apple Inc.	(73) Apple Inc.	(71) Performance Polyamides, SAS
(11) EP3165017	(11) EP3031150	(73) Performance Polyamides, SAS
(00) 17.09.2020	(00) 17.09.2020	(11) EP3224228
(51) H04W 8/24	(51) H04B 7/26	(00) 21.09.2020
H04W 68/00	H04W 24/02	(51) B01J 23/26
H04W 4/00	(00) Assignment	B01J 23/75
H04W 4/70	(71) Intel Corporation	B01J 27/24
(00) Assignment	(73) Apple Inc.	B01J 29/03
(71) Apple Inc.	(11) EP3165017	B01J 29/84
(73) Apple Inc.	(00) 17.09.2020	B01J 35/10
(11) EP3226595	(51) H04W 8/24	B01J 37/00
(00) 17.09.2020	H04W 68/00	B01J 37/06
(51) H04L 5/00	H04W 4/00	B01J 37/08
H04W 4/06	H04W 4/70	C07C 29/132
H04W 12/02	(00) Assignment	C07C 31/12
H04W 12/04	(71) LoQit B.V.	C07C 35/08
H04W 12/06	(73) LoQit B.V.	C07C 37/08
H04W 24/02	(11) 2013805	C07C 39/04
H04W 24/10	(00) 18.09.2020	C07C 45/53
H04W 28/02	(51) A47B 43/00	C07C 49/08
H04W 36/00	(00) Assignment	C07C 49/403
H04W 48/08	(71) Performance Polyamides, SAS	(00) Assignment
H04W 48/10	(73) Performance Polyamides, SAS	(71) Keramiek Holding B.V.
H04W 48/16	(11) EP3157987	(73) Keramiek Holding B.V.
H04W 48/20	(00) 21.09.2020	(11) 2016861
H04W 52/02	(51) C08J 5/04	(00) 21.09.2020
H04W 56/00	C08K 7/14	(51) E04C 3/02
H04W 72/02	C08L 77/06	E04C 3/22
H04W 72/04	(00) Assignment	(00) Change of owner(s) name
H04W 84/12	(71) E Ink Corporation	(71) DEKOZELL GmbH + Co. KG
H04W 88/06	(73) E Ink Corporation	(73) DEKOZELL GmbH + Co. KG
H04W 76/11	(11) EP3004505	(11) EP2157063
H04W 76/14	(00) 21.09.2020	(00) 18.09.2020
H04W 76/27	(51) E06B 9/24	(51) C04B 20/00
H04W 76/28	G02F 1/167	C04B 26/22
(00) Assignment	(00) Assignment	C04B 26/28
(71) Apple Inc.	(71) Performance Polyamides, SAS	E04B 1/82
(73) Apple Inc.	Gala Industries Inc	E04B 1/84
(11) EP3361790	(73) Performance Polyamides, SAS	(00) Assignment
(00) 17.09.2020	Gala Industries Inc	(71) Keramiek Holding B.V.
(51) H04W 52/14	(11) EP2121261	(73) Keramiek Holding B.V.

(11) 2019498	(51) B32B 27/34	C08L 51/06
(00) 21.09.2020	C08G 69/42	C08L 77/00
(51) B28B 19/00	C08L 23/26	C08L 77/06
E04C 2/04	C08L 61/04	(00) Assignment
F16K 1/22	C08L 77/00	(71) E Ink Corporation
F16K 1/226	C08L 77/06	(73) E Ink Corporation
F16K 1/32	F16L 9/12	(11) EP3350001
F16K 27/02	F16L 11/04	(00) 21.09.2020
(00) Change of owner(s) name	(00) Assignment	(51) B60J 3/04
(71) LUNDBECK SEATTLE	(71) Performance Polyamides, SAS	G05D 1/02
BIOPHARMACEUTICALS, INC.	(73) Performance Polyamides, SAS	(00) Assignment
Keck Graduate Institute	(11) EP2358455	(71) Solstice Pharmaceuticals B.V.
(73) H. Lundbeck A/S	(00) 21.09.2020	(73) Solstice Pharmaceuticals B.V.
Keck Graduate Institute	(51) B01D 9/00	(11) EP3247491
(11) EP2330201	C07C 51/43	(00) 18.09.2020
(00) 21.09.2020	C07C 55/14	(51) B01F 3/04
(51) C07K 16/00	(00) Assignment	B01F 15/00
C12N 15/81	(71) Performance Polyamides, SAS	B01J 4/00
(00) Change of owner(s) name	(73) Performance Polyamides, SAS	B01J 4/02
(71) H. Lundbeck A/S	(11) EP2448997	B01J 19/00
Keck Graduate Institute	(00) 21.09.2020	(00) Assignment
(73) H. Lundbeck A/S	(51) C08G 69/26	
Keck Graduate Institute	C08G 69/42	
(11) EP2330201	C08G 69/48	
(00) 21.09.2020	C08L 77/06	
(51) C07K 16/00	(00) Assignment	
C12N 15/81	(71) Performance Polyamides, SAS	
(00) Assignment	(73) Performance Polyamides, SAS	
(71) Performance Polyamides, SAS	(11) EP2238191	
(73) Performance Polyamides, SAS	(00) 21.09.2020	
(11) EP2217659	(51) C08G 18/42	
(00) 21.09.2020	C08G 18/63	
(51) C08K 3/16	(00) Assignment	
C08K 3/22	(71) Performance Polyamides, SAS	
C08K 7/14	(73) Performance Polyamides, SAS	
C08L 51/06	(11) EP2201059	
C08L 77/00	(00) 21.09.2020	
C08L 77/02	(51) C08G 69/26	
C08L 77/06	C08G 69/28	
(00) Assignment	C08G 83/00	
(71) Performance Polyamides, SAS	C08J 5/08	
(73) Performance Polyamides, SAS	C08K 7/14	
(11) EP2190925	C08L 77/06	
(00) 21.09.2020	C08L 101/02	
(51) C08L 61/06	(00) Assignment	
C08L 77/00	(71) Performance Polyamides, SAS	
(00) Assignment	(73) Performance Polyamides, SAS	
(71) Performance Polyamides, SAS	(11) EP2350194	
(73) Performance Polyamides, SAS	(00) 21.09.2020	
(11) EP2448998	(51) C08J 5/08	
(00) 21.09.2020	C08K 7/14	
(51) C08G 69/42	C08L 77/02	
C08L 77/00	C08L 77/06	
C08L 101/00	(00) Assignment	
(00) Assignment	(71) E Ink Corporation	
(71) Performance Polyamides, SAS	(73) E Ink Corporation	
(73) Performance Polyamides, SAS	(11) EP2976676	
(11) EP2326681	(00) 21.09.2020	
(00) 21.09.2020	(51) G02F 1/167	
(51) C08G 69/26	(00) Assignment	
C08G 69/28	(71) Performance Polyamides, SAS	
C08G 69/36	(73) Performance Polyamides, SAS	
(00) Assignment	(11) EP2625224	
(71) Performance Polyamides, SAS	(00) 21.09.2020	
(73) Performance Polyamides, SAS	(51) C08K 3/16	
(11) EP2576658	C08K 5/053	
(00) 21.09.2020	C08K 7/14	

TVH

**Topografieën van halfgeleiderproducten.
Contains data concerning Semiconductors.**