



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.	9 Heading NP2 Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	9
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	10 Heading NP3 Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	10
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	11 Heading EP1 Contains data concerning translations of the conclusions of European patent applications.	11
Rubriek EP2 Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	12 Heading EP2 Contains data concerning European patents granted for The Netherlands.	12
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.	215 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.	215
Rubriek EP4 Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	251 Heading EP4 Contains data concerning European patents granted in amended form for the Netherlands.	251
Rubriek EP5 Bevat gegevens betreffende voor Nederland verleende gewijzigde	252 Heading EP5 Contains data concerning European patents granted in amended form for	252

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	253Heading SPC Contains data concerning applications for- or granted Supplementary Protection Certificates.	253
Rubriek VB1 Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.	254Heading VB1 Contains data concerning requests and notices of opposition under the General administrative law.	254
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.	256Heading 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.	256
Rubriek MED Bevat gegevens betreffende overige mededelingen.	257Heading MED Contains data concerning other communications.	257
Rubriek VRV Bevat gegevens betreffende verval of nietigverklaring.	258Heading VRV Contains data concerning lapse or annulment.	258
Rubriek VRB Bevat gegevens betreffende verbeteringen op eerdere publicaties.	297Heading VRB Contains data concerning corrections on earlier publications.	297
Rubriek CO Bevat gegevens betreffende wijzigingen in het octrooiregister.	298Heading CO Contains data concerning changes in the Netherland patent register.	298
Rubriek TVH Bevat gegevens betreffende topografieën van halfgeleiderproducten.	305Heading TVH Contains data concerning depots of original topographies of semi-conductor products.	305

Overzicht van Inid codes

INID CODES

Inid codes worden gebruikt op de voorpagina van octrooigeschriften en in octrooibulletins. 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 applicant(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 octrooien	(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) A47C 7/72 A47C 11/00 H01R 13/00 H02G 3/00 H02G 3/04	(71) Patrick Alexander Unger (74) ir. A. Blokland c.s. (72) Ronald Johannes Glas	inwendige van een buis, alsmede een reinigingsmondstuk voor toepassing in het samenstel
(21) 2022666 (22) 01.03.2019 (54) Dragerbalksamenstel (71) Lensvelt Contract B.V. (74) dr. T. Wittop Koning PhD (72) Richard Gerardus Jozef Hutten (41) 15.09.2020	(51) A61M 1/10 A61M 1/12 (21) 2022661 (22) 01.03.2019 (54) COLLAPSIBLE DEVICE FOR CIRCULATORY ASSISTANCE (71) CardiacBooster B.V. (74) ir. M.F.J.M. Ketelaars c.s. (72) Daniël Immanuel Michaël van Dort Florian Ludwig Bob Petrus Hermans Koen Ronaldus Antonius Hermanus Peij Jos Thannhauser (41) 15.09.2020	(71) Salomon Jetting Parts B.V. (74) ir. A. Blokland c.s. (72) Salomon de Snaijer (41) 15.09.2020
(51) A47C 7/72 A47C 11/00 H01R 13/00 H02J 7/00 (21) 2022668 (22) 01.03.2019 (54) Zitmeubel (71) Lensvelt Contract B.V. (74) dr. T. Wittop Koning PhD (72) Richard Gerardus Jozef Hutten (41) 15.09.2020	(51) A61M 1/10 A61M 1/12 (21) 2022660 (22) 01.03.2019 (54) Heart Assist Device (71) Stichting Katholieke Universiteit (74) ir. M.F.J.M. Ketelaars c.s. (72) Daniël Immanuel Michaël van Dort (41) 15.09.2020	(71) B63B 35/04 H02G 1/10 (21) 2022670 (22) 01.03.2019 (54) Device and method for offshore cable laying (71) Itrec B.V. (74) ir. J.C. Volmer c.s. (72) Terence Willem August Vehmeijer Ronny Lambertus Waltherus Nouwens Tim van den Donker (41) 15.09.2020
(51) A61B 5/055 G01R 33/385 (21) 2025064 (22) 05.03.2020 (54) SPLIT MAGNET WITH ROTATING CENTRAL COMPONENT (71) Siemens Healthcare Limited (74) ir. M.F.J.M. Ketelaars c.s. (72) Michael Mallett (31) 1903118.6 (32) 08.03.2019 (33) United Kingdom	(51) A61M 5/30 (21) 2025071 (22) 06.03.2020 (54) Jet injection system (71) Universiteit Twente (74) dr. A. Ellens c.s. (72) David Fernandez Rivas Loreto Alejandra Oyarte Galvez (31) 19161647.3 (32) 08.03.2019 (33) European Patent Office (EPO)	(71) B63B 35/04 H02G 1/10 (21) 2024241 (22) 14.11.2019 (54) Vessel and method for offshore cable laying (71) Itrec B.V. (74) ir. J.C. Volmer c.s. (72) Terence Willem August Vehmeijer Ronny Lambertus Waltherus Nouwens Tim van den Donker (41) 15.09.2020 (31) 2022670 (32) 01.03.2019 (33) Netherlands
(51) A61G 12/00 A61B 50/28 (21) 2022662 (22) 01.03.2019 (54) IMPROVED SUSPENSION SYSTEM AND BRAKE DEVICE AND ROTATION LIMITING DEVICE FOR USE IN THE SUSPENSION SYSTEM (71) IHB B.V. (74) drs. C.H. Mink-Lindenburg (72) Roderik Gerrit Frederik Erens Cornelis Bassa Johannes Antonius Maria Grimberg (41) 15.09.2020	(31) 19161647.3 (32) 08.03.2019 (33) European Patent Office (EPO) (51) A63B 69/00 (21) 2025011 (22) 27.02.2020 (54) TRAINING AID FOR POLE VAULT (71) QILU UNIVERSITY OF TECHNOLOGY (74) dr. J. van Straaten (72) Huiying Zhu Xiaoyi Liu (31) 201910176141.1 (32) 08.03.2019 (33) China	(71) E04G 21/28 E04G 21/30 (21) 1043159 (22) 01.03.2019 (54) Klempaal (71) WMA Klerx (72) Wilhelmus Maria Antonius Klerx (41) 15.09.2020
(51) A61K 31/05 A61P 25/00 (21) 2022616 (22) 21.02.2019 (54) Cannabigerol and pharmaceutical compositions comprising cannabigerol for use in the treatment of insomnia	(51) B08B 3/00 B05B 3/02 B05B 3/06 B05B 13/06 B08B 9/049 (21) 2022665 (22) 01.03.2019 (54) Reinigingssamenstel voor het onder hoge druk reinigen van het	(71) E05B 19/06 E05B 27/00 E05B 35/00 (21) 2022664 (22) 01.03.2019 (54) Slotsysteem, sleutel en cilinderslot (71) M & C Protect B.V. (74) ir. H.A. Witmans c.s. (72) Cornelis Jacobus Johannes Marinus Overbeeke (41) 15.09.2020
	(51) E21F 7/00 (21) 2024998 (22) 26.02.2020	

- (54) GAS EXTRACTION PIPE APPLICABLE TO UPBOUND BOREHOLE TENDING TO COLLAPSE
 (71) Anhui University of Science and Technology
 (74) drs. P.A. van Essen c.s.
 (72) Chunshan Zheng
 Wei Zhang
 Sheng Xue
 Bingyou Jiang
 He Li
 Yaobin Li
 Xiaoliang Zheng
 (31) 201910164948.3
 (32) 05.03.2019
 (33) China
-
- (51) G01N 33/18
 G01N 33/24
 G01N 33/50
 (21) 2025052
 (22) 05.03.2020
 (54) TEST METHOD FOR JOINT TOXICITY OF CADMIUM WITH PESTICIDE ATRAZINE AND CHLORPYRIFOS TO EARTHWORMS
 (71) Zhejiang Academy of Agricultural Sciences
 (74) ir. J.C. Volmer c.s.
 (72) Yanhua Wang
 Guiling Yang
 Changpeng Zhang
 Xinfang Li
 Zhenlan Xu
 Qiang Wang
 (31) 201910169542.4
 (32) 06.03.2019
 (33) China
-
- (51) G01N 33/543
 G01N 33/574
 (21) 2025067
 (22) 05.03.2020
 (54) Sensor for single particle detection
 (71) Universiteit Twente
 (74) dr. A. Ellens c.s.
 (72) Wilfred Gerard van der Wiel
 Dilu George Mathew
 Pepijn Beekman
 Serge Joseph Guy Lemay
 (31) 19160822.3
 19169429.8
 (32) 05.03.2019
 16.04.2019
 (33) European Patent Office (EPO)
 European Patent Office (EPO)
-
- (51) G03F 7/20
 (21) 2025013
 (22) 28.02.2020
 (54) LASER SYSTEM FOR SOURCE MATERIAL CONDITIONING IN AN EUV LIGHT SOURCE
 (71) ASML Netherlands B.V.
 (74) ir. A.J.M. van Hoef
 (72) Igor Vladimirovich Fomenkov
 Yezheng Tao
 Robert Jay Rafac
 (31) 62/815,055
 (32) 07.03.2019
 (33) United States of America
-
- (51) H01L 23/047
 H01L 23/10
 (21) 2022669
 (22) 01.03.2019
 (54) Packaged electronic device
 (71) Ampleon Netherlands B.V.
 (74) drs. P.F.H.M. van Someren c.s.
 (72) Frans Meeuwssen
 Jurgen Raben
 (41) 15.09.2020
-
- (51) H02M 7/04
 H02M 7/219
 (21) 2025066
 (22) 05.03.2020
 (54) SOFT SWITCHING MODULATION OF SINGLE-PHASE QUASI-Z-SOURCE RECTIFIER WITHOUT AUXILIARY CIRCUIT
 (71) HARBIN INSTITUTE OF TECHNOLOGY
 (74) ir. W.J.J.M. Kempes
 (72) Qianfan Zhang
 Tuopu Na
 Shuai Dong
 Jianzhen Qu
 Jinxin Wang
 Xue Yuan
 (31) 201910168732.4
 (32) 06.03.2019
 (33) China
-
- (51) H04L 29/06
 (21) 2024116
 (22) 29.10.2019
 (54) METHOD AND SYSTEM FOR IDENTIFIED COMMUNICATIONS
 (71) Sancoo B.V.
 (74) drs. P.F.H.M. van Someren c.s.
 (72) Alexander Jeroen Blom
-

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) A47C 7/72 A47C 11/00 H01R 13/00 H02G 3/00 H02G 3/04	(74) ir. M.F.J.M. Ketelaars c.s.	(72) Cornelis Jacobus Johannes Marinus Overbeeke
(11) 2022666 (47) 15.09.2020 (22) 01.03.2019 (54) Dragerbalksamenstel (73) Lensvelt Contract B.V. (72) Richard Gerardus Jozef Hutten (74) dr. T. Wittop Koning PhD	(51) B08B 3/00 B05B 3/02 B05B 3/06 B05B 13/06 B08B 9/049	(74) ir. H.A. Witmans c.s.
(51) A47C 7/72 A47C 11/00 H01R 13/00 H02J 7/00	(11) 2022665 (47) 15.09.2020 (22) 01.03.2019 (54) Reinigingssamenstel voor het onder hoge druk reinigen van het inwendige van een buis, alsmede een reinigingsmondstuk voor toepassing in het samenstel	(51) G05F 3/24 H03F 1/30 H03F 3/193 H03F 3/45
(11) 2022668 (47) 15.09.2020 (22) 01.03.2019 (54) Zitmeubel (73) Lensvelt Contract B.V. (72) Richard Gerardus Jozef Hutten (74) dr. T. Wittop Koning PhD	(73) Salomon Jetting Parts B.V. (72) Salomon de Snaijer (74) ir. A. Blokland c.s.	(11) 2024625 (47) 11.09.2020 (22) 08.01.2020 (54) Bias circuit and bias system using such circuit
(51) A61G 12/00 A61B 50/28	(73) Semiconductor Ideas To The Market (Itom) BV	(73) Aleksandar Gvozdenovic
(11) 2022662 (47) 15.09.2020 (22) 01.03.2019 (54) IMPROVED SUSPENSION SYSTEM AND BRAKE DEVICE AND ROTATION LIMITING DEVICE FOR USE IN THE SUSPENSION SYSTEM	(72) dr. J. van Straaten	(74) dr. J. van Straaten
(73) IHB B.V. (72) Roderik Gerrit Frederik Erens Cornelis Bassa Johannes Antonius Maria Grimberg (74) drs. C.H. Mink-Lindenburch	(51) B63B 35/04 H02G 1/10	(51) G06Q 30/00 G06F 3/048 G06F 16/20
(51) A61M 1/10 A61M 1/12	(11) 2022670 (47) 15.09.2020 (22) 01.03.2019 (54) Device and method for offshore cable laying	(11) 2012331 (47) 11.09.2020 (22) 27.02.2014 (54) Een werkwijze voor het, uit een groep van hoogwerkers, bepalen van een deelgroep van hoogwerkers.
(11) 2022660 (47) 15.09.2020 (22) 01.03.2019 (54) Heart Assist Device (73) Stichting Katholieke Universiteit (72) Daniël Immanuel Michaël van Dort (74) ir. M.F.J.M. Ketelaars c.s.	(73) Itrec B.V. (72) Terence Willem August Vehmeijer Ronny Lambertus Waltherus Nouwens Tim van den Donker (74) ir. J.C. Volmer c.s.	(73) W.A. Riel Holding B.V. (72) Willem Alexander Riel (74) ir. J.H.W. Assendelft
(51) A61M 1/10 A61M 1/12	(51) B63B 35/04 H02G 1/10	(31) 2010373 2010380
(11) 2022661 (47) 15.09.2020 (22) 01.03.2019 (54) COLLAPSIBLE DEVICE FOR CIRCULATORY ASSISTANCE (73) CardiacBooster B.V. (72) Daniël Immanuel Michaël van Dort Florian Ludwig Bob Petrus Hermans Koen Ronaldus Antonius Hermanus Peij Jos Thannhauser	(11) 2024241 (47) 15.09.2020 (22) 14.11.2019 (54) Vessel and method for offshore cable laying	(32) 27.02.2013 01.03.2013 (33) Netherlands Netherlands
(11) 2022666 (47) 15.09.2020 (22) 01.03.2019 (54) CLEANING DEVICE FOR CLEANING A SURFACE OF A VESSEL (73) WMA Klerx (72) Wilhelmus Maria Antonius Klerx	(73) Terence Willem August Vehmeijer Ronny Lambertus Waltherus Nouwens Tim van den Donker (74) ir. J.C. Volmer c.s.	(51) H01L 23/047 H01L 23/10
(11) 2022667 (47) 15.09.2020 (22) 01.03.2019 (54) CLEANING DEVICE FOR CLEANING A SURFACE OF A VESSEL (73) WMA Klerx (72) Wilhelmus Maria Antonius Klerx	(31) 2022670 (32) 01.03.2019 (33) Netherlands	(11) 2022669 (47) 15.09.2020 (22) 01.03.2019 (54) Packaged electronic device (73) Ampleon Netherlands B.V. (72) Frans Meeuwssen Jurgen Raben
(11) 2022668 (47) 15.09.2020 (22) 01.03.2019 (54) CLEANING DEVICE FOR CLEANING A SURFACE OF A VESSEL (73) WMA Klerx (72) Wilhelmus Maria Antonius Klerx	(51) E04G 21/28 E04G 21/30	(74) drs. P.F.H.M. van Someren c.s.
(11) 2022669 (47) 15.09.2020 (22) 01.03.2019 (54) CLEANING DEVICE FOR CLEANING A SURFACE OF A VESSEL (73) WMA Klerx (72) Wilhelmus Maria Antonius Klerx	(11) 1043159 (47) 15.09.2020 (22) 01.03.2019 (54) Klempaal (73) WMA Klerx (72) Wilhelmus Maria Antonius Klerx	
(11) 2022670 (47) 15.09.2020 (22) 01.03.2019 (54) CLEANING DEVICE FOR CLEANING A SURFACE OF A VESSEL (73) WMA Klerx (72) Wilhelmus Maria Antonius Klerx	(51) E05B 19/06 E05B 27/00 E05B 35/00	
(11) 2022671 (47) 15.09.2020 (22) 01.03.2019 (54) CLEANING DEVICE FOR CLEANING A SURFACE OF A VESSEL (73) WMA Klerx (72) Wilhelmus Maria Antonius Klerx	(11) 2022664 (47) 15.09.2020 (22) 01.03.2019 (54) Slotsysteem, sleutel en cilinderslot (73) M & C Protect B.V.	

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 79/00 A01C 17/00 A01C 21/00	(51) A01C 21/00 (11) EP3530095 (21) EP19401007.0 (47) 16.09.2020 (22) 13.02.2019 (54) SOWING MACHINE (73) Amazonen-Werke H. Dreyer GmbH & Co. KG	(21) EP17734999.0 (47) 16.09.2020 (87) EP2017063727 07.12.2017 (22) 06.06.2017 (54) CUTTING BLADE FOR DOUBLE OSCILLATING BLADE SYSTEM (73) ESM Ennepetaler Schneid- und Mähtechnik GmbH & Co. KG
(11) EP3520591 (21) EP19157354.2 (47) 16.09.2020 (22) 05.05.2015 (54) METHOD FOR DISTRIBUTING FERTILISER (73) Amazonen-Werke H. Dreyer GmbH & Co. KG	(72) Wessels, Mario (31) 102018103857 102019103233 (32) 21.02.2018 11.02.2019 (33) Germany Germany	(72) NÜRNBERG, Alexander OEHLER, Wolfgang (31) 102016110338 102016114852 (32) 03.06.2016 10.08.2016 (33) Germany Germany
(72) FROESCHLE, Heike (31) 102014106771 (32) 14.05.2014 (33) Germany	(51) A01D 33/00 A01D 91/02 (11) EP3557972 (21) EP17817849.7 (47) 16.09.2020 (87) GB2017053789 28.06.2018 (22) 18.12.2017 (54) A CROP MONITORING SYSTEM AND METHOD (73) B-Hive Innovations Limited (72) GURURAJAN, Vidyanath WRIGHT, Alison HANSEN, Mark HALES, Ian SMITH, Melvyn SMITH, Lyndon SAMWORTH, Dave GREENWOOD, Luke	(31) 102016110338 102016114852 (32) 03.06.2016 10.08.2016 (33) Germany Germany
(51) A01C 1/06 A01G 2/00 (11) EP3482614 (21) EP17823936.4 (47) 16.09.2020 (87) JP2017021501 11.01.2018 (22) 09.06.2017 (54) SEED, AND PLANT CULTIVATION METHOD (73) FUJIFILM Corporation (72) EJIRI, Kiyomi (31) 2016135866 (32) 08.07.2016 (33) Japan	(51) A01D 34/68 A01D 34/69 A01D 69/06 F16H 57/029 F16H 57/031 (11) EP3298304 (21) EP16729026.1 (47) 16.09.2020 (87) FR2016051154 24.11.2016 (22) 17.05.2016 (54) TRANSMISSION, AND RUNNING VEHICLE EQUIPPED WITH SUCH A TRANSMISSION (73) France Reducteurs (72) TEILLET, Emmanuel (31) 1554465 1554467 1554470 1554471 1554463 (32) 19.05.2015 19.05.2015 19.05.2015 19.05.2015 (33) France France France France France	(31) 102014106771 102016114852 (32) 03.06.2016 10.08.2016 (33) Germany Germany
(51) A01C 7/08 A01C 21/00 (11) EP3508046 (21) EP19401000.5 (47) 16.09.2020 (22) 03.01.2019 (54) METHOD FOR OPERATING A DISTRIBUTOR (73) Amazonen-Werke H. Dreyer GmbH & Co. KG (72) Flucke, Jan Düman, Fadil (31) 102018100235 (32) 08.01.2018 (33) Germany	(51) A01D 34/00 H02J 7/00 H02J 7/02 B60L 53/14 B60L 53/36 G05D 1/02 (11) EP3225454 (21) EP17164022.0 (47) 16.09.2020 (22) 30.03.2017 (54) SYSTEM COMPRISING A CHARGING STATION AND A UTILITY VEHICLE (73) Honda Motor Co., Ltd. (72) YAMAMURA, Makoto KAWAKAMI, Toshiaki (31) 2016071943 (32) 31.03.2016 (33) Japan	(31) 2016135866 08.07.2016 (33) Japan
(51) A01C 17/00 A01C 21/00 (11) EP3409094 (21) EP18401054.4 (47) 16.09.2020 (22) 24.05.2018 (54) METHOD FOR PLANNING AND/OR EXECUTING A FERTILIZING PROCEDURE (73) Amazonen-Werke H. Dreyer GmbH & Co. KG (72) Kielhorn, Arnd Scheufler, Bernd (31) 102017111889 (32) 31.05.2017 (33) Germany	(51) A01D 34/68 B21D 53/64 (11) EP3462830	(31) 102018100235 08.01.2018 (33) Germany
		(31) 1554465 1554467 1554470 1554471 1554463 (32) 19.05.2015 19.05.2015 19.05.2015 19.05.2015 (33) France France France France France
		(51) A01D 34/68 F16D 43/20 F16D 67/02 F16D 125/36 (11) EP3298298 (21) EP16727768.0 (47) 16.09.2020 (87) FR2016051155 24.11.2016 (22) 17.05.2016 (54) TRANSMISSION GEAR BOX AND METHOD OF CLOSING SAME AND VEHICLE EQUIPPED WITH SUCH A TRANSMISSION GEAR BOX

(73) France Reducteurs	(54) SYSTEM FOR HARVESTING	TO MANUFACTURE AN INTEGRAL
(72) BARENDRECHT, Wouter	ASPARAGUS IN GROUND	HOUSING
(31) 1554465	(73) Cerescon Holding B.V.	(73) CLAAS Selbstfahrende Erntemaschinen
1554467	(72) Vermeer, Adrianus Johannes Petrus	GmbH
1554470	Maria	(72) Lehmborg, Andreas
1554471	(31) 2018290	Fränsing, Ralf
1554463	(32) 02.02.2017	(31) 102016103022
(32) 19.05.2015	(33) Netherlands	(32) 22.02.2016
19.05.2015	(51) A01F 11/00	(33) Germany
19.05.2015	A61H 3/06	(51) A01G 3/02
19.05.2015	G09F 19/22	A01G 3/08
(33) France	(11) EP3531406	(11) EP3375276
France	(21) EP19163107.6	(21) EP17779291.8
France	(47) 16.09.2020	(47) 16.09.2020
France	(22) 13.02.2013	(87) KR2017002986
France	(54) IMPROVEMENTS RELATING TO	12.10.2017
	TACTILE GROUND SURFACE	(22) 21.03.2017
	INDICATORS	(54) PRUNING SHEARS HAVING BOTH
(51) A01D 41/127	(73) CTA Australia Pty Ltd.	FUNCTIONS OF HANGING ON TREE
(11) EP3459338	(72) DEDOMENICO, Daniel	BRANCH AND ABSORBING SHOCK
(21) EP18185694.9	(31) 2012903258	(73) Song, Jinchul
(47) 16.09.2020	(32) 30.07.2012	(72) Song, Jinchul
(22) 26.07.2018	(33) Australia	(31) 20160041775
(54) WORK MACHINE	(51) A01F 12/22	(32) 05.04.2016
(73) CLAAS Selbstfahrende Erntemaschinen	A01F 12/39	(33) Korea (Republic)
GmbH	(11) EP3261427	(51) A01G 3/06
(72) Dieckmeyer, Sascha	(21) EP16700323.5	(11) EP3405020
Berger, Arthur	(47) 16.09.2020	(21) EP16885703.5
Escher, Matthias	(87) EP2016050007	(47) 16.09.2020
Baumgarten, Joachim	01.09.2016	(87) CN2016071732
Neu, Sebastian	(22) 04.01.2016	27.07.2017
(31) 10201712200.	(54) CROP ENGAGING ELEMENT FOR A	(22) 22.01.2016
(32) 26.09.2017	COMBINE HARVESTER SEPARATING	(54) POWER TOOL FOR CUTTING OR
(33) Germany	ROTOR	TRIMMING
(51) A01D 41/127	(73) AGCO International GmbH	(73) Techtronic Outdoor Products Technology
A01D 75/18	(72) BOJSEN, Thomas	Limited
(11) EP3508051	(31) 201503117	(72) DONG, Li Teng
(21) EP18203306.8	(32) 25.02.2015	HUO, Tian
(47) 16.09.2020	(33) United Kingdom	NESOM, Jeff
(22) 30.10.2018	(51) A01F 12/40	(51) A01G 9/02
(54) AGRICULTURAL WORK MACHINE, IN	(11) EP3485721	(11) EP3050427
PARTICULAR COMBINE HARVESTER	(21) EP18206158.0	(21) EP15003535.0
(73) CLAAS Selbstfahrende Erntemaschinen	(47) 16.09.2020	(47) 16.09.2020
GmbH	(22) 14.11.2018	(22) 11.12.2015
(72) Wilken, Andreas	(54) FLAIL ASSEMBLY FOR A STRAW	(54) PLANT CONTAINER
Baumgarten, Joachim	CHOPPER SHAFT WITH A SECURING	(73) Hangartner, Arnold
Heitmänn, Christoph	OPENING IN A BRACKET AND STRAW	(72) Hangartner, Arnold
Bormann, Bastian	CHOPPER SHAFT	(31) 372015
(31) 102018100257	(73) Rasspe Systemtechnik GmbH	(32) 29.01.2015
(32) 08.01.2018	(72) FLANHARDT, Michael	(33) Austria
(33) Germany	ACIMAS, Andreas	(51) A01G 25/09
(51) A01D 43/063	LÜTTICH, Hans-Robert	E02F 5/02
(11) EP3278654	ANDERS, Katharina	(11) EP3550959
(21) EP17182751.2	(31) 102017126839	(21) EP17822457.2
(47) 16.09.2020	(32) 15.11.2017	(47) 16.09.2020
(22) 24.07.2017	(33) Germany	(87) IB2017057689
(54) LAWN MOWER WITH A SYSTEM FOR	(51) A01F 12/44	14.06.2018
DETECTING AND SIGNALING THE	F04D 17/16	(22) 06.12.2017
COLLECTING BAG CONDITION	F04D 25/16	(54) APPARATUS FOR IRRIGATION
(73) Stiga S.p.A. in breve anche St. S.p.A.	F04D 29/02	(73) Soleaimpresa 4.0 S.r.l.
(72) PIETROBON, Christian	F04D 29/42	(72) DORIGO, Albino
(31) 201600081967	(11) EP3208466	SOLIANI, Olimpia
(32) 03.08.2016	(21) EP16202246.1	(31) 201600124002
(33) Italy	(47) 16.09.2020	(32) 06.12.2016
(51) A01D 45/00	(22) 05.12.2016	(33) Italy
(11) EP3357322	(54) CLEANING BLOWER WITH	(51) A01G 25/16
(21) EP18154662.3	PLASTIC HOUSING AND USE OF A	(11) EP1969922
(47) 16.09.2020	ROTATIONAL MOULDING METHOD	
(22) 01.02.2018		

(21) EP08405076.4	A01J 25/12	(22) 23.09.2016
(47) 16.09.2020	(11) EP3451823	(54) IMPROVED LOCKING DEVICE FOR A LIVESTOCK HEAD GATE
(22) 14.03.2008	(21) EP17721374.1	(73) Northquip Inc.
(54) Smart water timer	(47) 16.09.2020	(72) LANGRELL, Stephen Arthur
(73) Melnor, Inc.	(87) EP2017060577	
(72) Duong, Ha Van	09.11.2017	(51) A01K 7/00
Nies, Juergen	(22) 03.05.2017	A01K 7/02
Michael, Vicky Ann	(54) FORMING MACHINE TO PROCESS STRETCHED-CURD CHEESES	(11) EP3479689
Brass, Stephen	(73) Egidio Galbani S.r.l.	(21) EP18196192.1
McDonald, Randy	(72) BOFFELLI, Giuliano	(47) 16.09.2020
Drury, David	TOMA, Marcello	(22) 24.09.2018
(31) 906819 P	(31) UA20163092	(54) ANIMAL DRINKING TROUGH SYSTEM
942763 P	(32) 03.05.2016	(73) La Buvette
(32) 14.03.2007	(33) Italy	(72) BOUSQUET, Jean-Philippe
08.06.2007		(31) 1759216
(33) United States of America	(51) A01J 25/13	1760803
United States of America	A01J 25/15	(32) 03.10.2017
(51) A01H 13/00	(11) EP3501269	16.11.2017
C12N 9/22	(21) EP18213289.4	(33) France
C12N 15/82	(47) 16.09.2020	France
(11) EP2601297	(22) 18.12.2018	
(21) EP11794229.2	(54) PRESS COVER	(51) A01K 31/16
(47) 16.09.2020	(73) Kalt Maschinenbau AG	(11) EP3498091
(87) IB2011002605	(72) Waldburger, Peter	(21) EP17800559.1
09.02.2012	(31) 15852017	(47) 16.09.2020
(22) 01.08.2011	(32) 21.12.2017	(87) ES2017070624
(54) METHOD FOR TARGETED GENOMIC EVENTS IN ALGAE	(33) Switzerland	05.04.2018
(73) Collectis	(51) A01J 25/16	(22) 21.09.2017
(72) SOURDIVE, David	(11) EP3488689	(54) EGG COLLECTION DEVICE IN LAYING BATTERY
(31) 370017 P	(21) EP18197291.0	(73) Zucami Poultry Equipment, S.L.U.
(32) 02.08.2010	(47) 16.09.2020	(72) CERVERA SOTO, Pedro
(33) United States of America	(22) 27.09.2018	(31) 201631183 U
(51) A01J 5/017	(54) STORAGE UNIT FOR CHEESE	(32) 30.09.2016
(11) EP3461328	(73) Rosss S.p.A.	(33) Spain
(21) EP18201687.3	(72) BETTINI, Stefano	
(47) 16.09.2020	BETTINI, Sandro	(51) A01K 61/54
(22) 10.07.2009	(31) 201700135506	A01K 61/60
(54) DAIRY ANIMAL TREATMENT SYSTEM	(32) 24.11.2017	(11) EP3008994
(73) Lely Patent N.V.	(33) Italy	(21) EP15187554.9
(72) VAN DEN BERG, Karel	(51) A01K 1/015	(47) 16.09.2020
(31) 1035701	A01K 1/02	(22) 30.09.2015
1035702	(11) EP3515180	(54) PROTECTIVE DEVICE FOR ANIMAL HUSBANDRY, SUCH AS THE REARING OF FISH, MUSSELS OR MOLLUSCS
(32) 15.07.2008	(21) EP17771600.8	(73) Geobruugg AG
15.07.2008	(47) 16.09.2020	(72) DORNBIERER, Urs
(33) Netherlands	(87) SG2017050468	(31) 15902014
Netherlands	29.03.2018	(32) 14.10.2014
(51) A01J 25/00	(22) 18.09.2017	(33) Switzerland
A01J 25/12	(54) CLIMATIZED PET CONTAINER	
(11) EP3451824	(73) Atemito Pte. Ltd.	(51) A01K 63/04
(21) EP17726840.6	(72) PAN, Yu Min	A01K 71/00
(47) 16.09.2020	LEE, Leong Chye	A01K 73/00
(87) EP2017060573	DIEKHÖNER, Günther W.	A01K 74/00
09.11.2017	GROTH, Jens	A61K 31/122
(22) 03.05.2017	KRAUSE, Daniel	A61K 45/06
(54) METHOD AND PLANT FOR PROCESSING STRETCHED-CURD CHEESES	PEUCKERT, Joachim	A61P 33/14
(73) Egidio Galbani S.r.l.	CUZNER, Rob	A23K 50/80
(72) BOFFELLI, Giuliano	MAGREE, Jack	A01K 63/00
FORTI, Alice	MATTHEWS, Giles	(11) EP3452027
(31) UA20163092	(31) 16190236	(21) EP17723650.2
201700045291	(32) 22.09.2016	(47) 16.09.2020
(32) 03.05.2016	(33) European Patent Office (EPO)	(87) EP2017060431
26.04.2017	(51) A01K 1/06	09.11.2017
(33) Italy	E05C 19/00	(22) 02.05.2017
Italy	(11) EP3515181	(54) USE OF NOOTKATONE TO TREAT SEA LICE
(51) A01J 25/00	(21) EP16916401.9	(73) Evolva SA
	(47) 16.09.2020	(72) GOLDSMITH, Neil
	(87) CA2016000241	(31) 201662330391 P
	29.03.2018	

(32) 02.05.2016	(33) United States of America	(54) COMPOSITION COMPRISING A PESTICIDE AND A HYDROXYALKYL POLYOXYLENE GLYCOL ETHER
(33) United States of America	(51) A01K 73/06	(73) BASF SE
(51) A01K 67/02	(11) EP3172962	(72) SEMAR, Martin
C12Q 1/6888	(21) EP15306867.1	FLEUTE-SCHLACHTER, Ingo
(11) EP3321379	(47) 16.09.2020	RATHS, Hans-Christian
(21) EP17200547.2	(22) 25.11.2015	KALT, Markus
(47) 16.09.2020	(54) HAULING PULLEY SHEAVE INCLUDING LINING PLATES, HAULING PULLEY HAVING SUCH SHEAVE AND LINING PLATE FOR SUCH SHEAVE	BERGHAUS, Rainer
(22) 08.11.2017	(73) Etablissements BOPP Treuils JEB	(31) 14167194
(54) GENETIC MARKER FOR DETERMINING MEAT QUALITY TRAITS OF PIGS AND USE THEREOF	(72) BONLIEU, Francis	14167190
(73) Republic of Korea Management: Rural Development Administration	(51) A01N 25/00	(32) 06.05.2014
Korea Research Institute of Bioscience and Biotechnology	A01N 25/04	06.05.2014
Jeju National University Industry-Academic Cooperation	A01N 25/14	(33) European Patent Office (EPO)
(72) CHO, In Cheol	A01N 43/54	European Patent Office (EPO)
PARK, Hee Bok	A01N 43/713	(51) A01N 31/02
LEE, Jeong Woong	A01P 3/00	A01N 43/00
AHN, Jin Seop	(11) EP3426033	A01N 43/56
HAN, Sang Hyun	(21) EP17712862.6	A01N 43/60
(31) 20160152247	(47) 16.09.2020	A01N 43/90
(32) 15.11.2016	(87) JP2017009713	A01N 47/02
(33) Korea (Republic)	14.09.2017	A01N 49/00
(51) A01K 67/027	(22) 10.03.2017	A61K 31/231
A61L 27/00	(54) SYNERGISTIC FUNGICIDAL COMPOSITION FOR CONTROLLING PLANT DISEASES	A61K 31/365
A61L 27/38	(73) SUMITOMO CHEMICAL COMPANY, LIMITED	A61K 31/415
C07D 499/21	(72) KIGUCHI, So	A61K 31/4985
G01N 33/50	(31) 2016048174	A61K 31/7048
C12N 5/071	(32) 11.03.2016	A61P 33/00
(11) EP3026110	(33) Japan	A61P 33/14
(21) EP14829625.4	(51) A01N 25/02	(11) EP3175711
(47) 16.09.2020	A01N 37/16	(21) EP16193906.1
(87) JP2014068808	A01P 1/00	(47) 16.09.2020
29.01.2015	A61L 2/18	(22) 01.04.2011
(22) 15.07.2014	C11D 3/39	(54) PARASITICIDAL COMPOSITIONS COMPRISING MULTIPLE ACTIVE AGENTS, METHODS AND USES THEREOF
(54) METHOD FOR PROVIDING VASCULAR SYSTEM IN BIOLOGICAL TISSUE	(11) EP2095714	(73) Boehringer Ingelheim Animal Health USA Inc.
(73) Public University Corporation Yokohama City University	(21) EP09153618.5	(72) ROSENTEL Jr., Joseph K.
(72) TAKEBE, Takanori	(47) 16.09.2020	TEJWANI, Monica
TANIGUCHI, Hideki	(22) 25.02.2009	DAS-NANDY, Arima
TAKAHASHI, Yoshinobu	(54) Disinfecting and cold-sterilizing solution	(31) 320559 P
(31) 2013153056	(73) Mondial S.N.C. di Cavinato Antonio & C.	(32) 02.04.2010
(32) 23.07.2013	(72) Cavinato, Antonio	(33) United States of America
(33) Japan	Cavinato, Lorenzo	(51) A01N 31/04
(51) A01K 67/027	Cavinato, Roberto	A61Q 17/04
C07K 16/00	Cavinato, Gianantonio	A61Q 19/10
C12N 15/85	Cingano, Antonia	A01N 65/08
(11) EP2967012	(31) PD20080066	A61K 8/97
(21) EP14715432.2	(32) 26.02.2008	(11) EP3110254
(47) 16.09.2020	(33) Italy	(21) EP15755252.2
(87) IB2014059820	(51) A01N 25/30	(47) 16.09.2020
18.09.2014	A01N 37/50	(87) US2015017933
(22) 14.03.2014	A01N 43/40	03.09.2015
(54) TRANSGENIC NON-HUMAN MAMMAL FOR ANTIBODY PRODUCTION	A01N 43/56	(22) 27.02.2015
(73) Erasmus University Medical Center Rotterdam	A01N 43/653	(54) BIOCIDAL MIXTURE COMPOSITIONS AND USES THEREOF
Craig, Roger Kingdon	A01P 3/00	(73) ISP Investments LLC
(72) CRAIG, Roger, Kingdon	A01P 7/04	(72) PERASSINOTO, Nelson, Luis
GROSVELD, Franklin, Gerardus	A01P 21/00	RAPONI, Maria, Regina, Bartuccio
JANSSENS, Richard, Wilhelm	(11) EP3139740	KUMAYAMA, Tatiana, Miyashiro
VAN HAPEREN, Marinus, Johannes	(21) EP15718952.3	SHITARA, Jullana, Luri, Yoshida
DE BOER, Ernie	(47) 16.09.2020	DA SILVA, Jullana, Garcla
(31) 201361851974 P	(87) EP2015059636	(31) 1404849
(32) 14.03.2013	12.11.2015	(32) 27.02.2014
	(22) 04.05.2015	(33) Brazil
		(51) A01N 37/44

A01N 43/34	(73) Syngenta Participations AG	A47J 37/06
A01N 47/12	(72) BARNETT, Susan Patricia	A47J 37/08
(11) EP3481201	CARTER, Neil Brian	H05B 1/02
(21) EP17824862.1	ELLIOTT, Alison Clare	(11) EP2850913
(47) 16.09.2020	MCCORMACK, Derek	(21) EP13790524.6
(87) US2017040845	MCLACHLAN, Matthew Murdoch	(47) 16.09.2020
11.01.2018	Woodhead	(87) US2013036415
(22) 06.07.2017	MORRIS, James Alan	21.11.2013
(54) PROCESSES FOR THE PREPARATION	SEVILLE, Anne Mary	(22) 12.04.2013
OF 4-ALKOXY-3-(ACYL OR	WEBBER, Matthew John	(54) TOASTER WITH CONTROLLED
ALKYL)OXYPICOLINAMIDES	(31) 201502164	CONVEYOR SPEED
(73) Dow Agrosiences LLC	(32) 10.02.2015	(73) HATCO CORPORATION
(72) WHITEKER, Gregory T.	(33) United Kingdom	(72) WILDEBUSH, Hans, Anderson
CHOY, Nakyen	(51) A01N 43/80	(31) 201213473285
BORROMEO, Peter	A01N 47/36	(32) 16.05.2012
BABIJ, Nicholas R.	A01P 13/02	(33) United States of America
(31) 201662359290 P	(11) EP3407719	(51) A21B 1/48
201662359288 P	(21) EP17743758.9	A23B 4/052
201762456874 P	(47) 16.09.2020	A23L 3/3454
(32) 07.07.2016	(87) CN2017072843	A23L 5/10
07.07.2016	03.08.2017	A23L 27/27
09.02.2017	(22) 03.02.2017	(11) EP2900070
(33) United States of America	(54) A SYNERGISTIC HERBICIDAL	(21) EP13770671.9
United States of America	COMPOSITION AND METHOD OF	(47) 16.09.2020
United States of America	CONTROLLING THE GROWTH OF	(87) EP2013069865
(51) A01N 43/40	UNDESIRE PLANTS	03.04.2014
A01P 3/00	(73) JIANGSU ROTAM CHEMISTRY CO.,	(22) 24.09.2013
(11) EP3240424	LTD	(54) USE OF A SMOKE CONDENSATE FOR
(21) EP15875996.9	(72) BRISTOW, James Timothy	BROWNING AND SMOKING FOOD
(47) 16.09.2020	(31) 2016200567	(73) GEA Food Solutions Bakel B.V.
(87) US2015066764	(32) 29.01.2016	(72) KOP, Ben
07.07.2016	(33) Australia	VERBRUGGEN, Paul
(22) 18.12.2015	(51) A01N 45/00	(31) 12185955
(54) USE OF PICOLINAMIDE COMPOUNDS	C07D 471/04	13150399
AS FUNGICIDES	(11) EP2970279	13150464
(73) Dow AgroSciences LLC	(21) EP14768690.1	(32) 25.09.2012
(72) BRAVO-ALTAMIRANO, Karla	(47) 16.09.2020	07.01.2013
LU, Yu	(87) US2014025666	08.01.2013
LOY, Brian	25.09.2014	(33) European Patent Office (EPO)
BUCHAN, Zachary	(22) 13.03.2014	European Patent Office (EPO)
JONES, David	(54) ORGANIC COMPOUNDS	European Patent Office (EPO)
WILMOT, Jeremy	(73) Intra-Cellular Therapies, Inc.	(51) A21C 3/06
RIGOLI, Jared	(72) LI, Peng	A21C 9/00
DEKORVER, Kyle	ZHENG, Hailin	A21C 11/00
DAEUBLE, John	ZHAO, Jun	A21C 14/00
HERRICK, Jessica	WENNOGLE, Lawrence	A21D 6/00
WANG, Xuelin	(31) 201361788551 P	A21D 13/00
YAO, Chenglin	(32) 15.03.2013	(11) EP3550980
MEYER, Kevin	(33) United States of America	(21) EP17873276.4
(31) 201462098122 P	(51) A01N 59/06	(47) 16.09.2020
201462098120 P	A01N 59/20	(87) IB2017055809
(32) 30.12.2014	A01P 7/04	31.05.2018
30.12.2014	(11) EP3231284	(22) 25.09.2017
(33) United States of America	(21) EP17000613.4	(54) A TILTED ROLLER SYSTEM FOR
United States of America	(47) 16.09.2020	LAMINATED PRODUCTS
(51) A01N 43/56	(22) 11.04.2017	(73) Heat and Control, Inc.
A01N 47/20	(54) USE OF A COMPOSITION FOR	(72) CARIDIS, Andrew Anthony
A01N 47/36	COMBATING PESTS OF OLIVE TREES	ZARATE ANDRADE, Leopoldo
A01P 13/00	(73) MANICA S.p.A.	GOMEZ ANGULO, Miguel Angel
C07D 401/04	(72) MANICA, Michele	GONZALEZ GRANADOS, Sergio
C07D 403/04	CANTINI, Claudio	LORENZANA SAUCEDO, Mario
(11) EP3255989	SANI, Graziano	(31) 2017007047
(21) EP16702570.9	(31) UA20162607	(32) 05.06.2017
(47) 16.09.2020	(32) 14.04.2016	(33) Mexico
(87) EP2016052232	(33) Italy	(51) A21D 2/18
18.08.2016	(51) A21B 1/40	A21D 13/00
(22) 03.02.2016	A21B 1/48	(11) EP3324745
(54) HERBICIDAL COMPOUNDS	A47J 37/04	(21) EP16744632.7

(47) 16.09.2020	(11) EP3233639	PRODUCTS FOR THE ICE CREAM,
(87) US2016042438	(21) EP15813076.5	PASTRY OR CATERING TRADE
26.01.2017	(47) 16.09.2020	(73) ALI GROUP S.r.l. - CARPIGIANI
(22) 15.07.2016	(87) EP2015080706	(72) COCCHI, Andrea
(54) SUSTAINED ENERGY BAKE STABLE	30.06.2016	LAZZARINI, Roberto
FILLERS AND BAKED PRODUCTS	(22) 21.12.2015	(31) 201600100869
COMPRISING THESE	(54) DEVICE FOR MOVING OBJECTS	(32) 07.10.2016
(73) Intercontinental Great Brands LLC	(73) Weber Maschinenbau GmbH	(33) Italy
(72) BEAVER, Michelle D.	Breidenbach	<hr/>
HAYNES, Lynn C.	(72) BURK, Alexander	(51) A23J 1/00
CLEMENT, Jerome	ECKHARDT, Christoph	A23J 1/12
(31) 201562193665 P	GERLACH, Jochen	A23J 1/14
(32) 17.07.2015	NICHAU, Marco	B01D 11/02
(33) United States of America	NISPTEL, Thomas	C07K 1/36
<hr/>	ROTHER, Ingo	A23K 10/20
(51) A22C 5/00	VON KEUDELL, Leopold	A23K 10/38
A22C 17/00	ZECHER, Steffen	A23K 20/147
A23K 10/22	LISCHINSKI, Gerd	A23L 33/17
A23K 10/26	(31) 102014119351	A23L 33/185
A23K 50/48	(32) 22.12.2014	(11) EP3397066
A23L 13/20	(33) Germany	(21) EP16868083.3
A23L 13/40	<hr/>	(47) 16.09.2020
A23L 13/60	(51) A23D 7/005	(87) FI2016050827
A23L 17/00	A23D 7/01	01.06.2017
(11) EP3593640	A23D 9/007	(22) 24.11.2016
(21) EP19189357.7	A23D 9/013	(54) PROCESS FOR SEPARATING
(47) 16.09.2020	A23L 7/10	PROTEINS FROM BIOMASS
(22) 17.11.2011	A23L 7/196	MATERIALS
(54) FOAMED MEAT OR FISH PRODUCT	(11) EP3634139	(73) Teknologian Tutkimuskeskus VTT OY
(73) Mars, Incorporated	(21) EP18723557.7	(72) WAHLSTRÖM, Ronny
(72) Schlebusch, Johannes	(47) 16.09.2020	KUUTTI, Lauri
(31) 102010053549	(87) EP2018062923	HILTUNEN, Jaakko
(32) 06.12.2010	13.12.2018	VUOTI, Sauli
(33) Germany	(22) 17.05.2018	ERCILI-CURA, Dilek
<hr/>	(54) COOKING AID COMPOSITION FOR	ROMMI, Katariina
(51) A22C 11/00	FRYING RICE	(31) 20155889
A22C 11/10	(73) Unilever N.V.	(32) 27.11.2015
A22C 11/12	(72) JONAS, Volker	(33) Finland
B65B 51/22	THAKUR, Shweta	<hr/>
B65B 51/30	SKIBA, Tomasz	(51) A23K 20/142
(11) EP3590344	STEPHAN-HOFMANN, Iris	A23K 20/22
(21) EP18181189.4	(31) 17174802	A23K 20/24
(47) 16.09.2020	(32) 07.06.2017	A23K 50/80
(22) 02.07.2018	(33) European Patent Office (EPO)	(11) EP3398449
(54) CLOSURE MODULE AND METHOD	<hr/>	(21) EP18179282.1
FOR CLOSING AND/OR SEPARATING	(51) A23G 9/22	(47) 16.09.2020
FILLED SAUSAGE CASINGS	A23G 9/28	(22) 22.09.2015
CONNECTED WITH A BRAID	(11) EP3245877	(54) A METHOD FOR SMOLTIFICATION IN
(73) Albert Handtmann Maschinenfabrik	(21) EP17171764.8	SALMONIDAE
GmbH & Co. KG	(47) 16.09.2020	(73) STIM. AS
(72) STROHM, Kurt	(22) 18.05.2017	(72) Nordly, Jim Roger
SCHLIESSER, Gerhard	(54) INTEGRATED MOTOR DRIVE SYSTEM	Lyngøy, Arthur
BAECHTLE, Manfred	FOR SOFT SERVE DISPENSER	Mansilla, Claudio Retamal
WINGHART, Robert	(73) H. C. DUKE & SON , LLC	(31) 201462053826 P
OSSWALD, Florian	(72) Elsom, Kyle B	(32) 23.09.2014
MERK, Jochen	Greenway, Lex	(33) United States of America
<hr/>	Quandt, James A	<hr/>
(51) A22C 17/00	Davis, Mark L	(51) A23L 13/40
B07C 3/08	(31) 201662338047 P	A23L 17/00
B26D 7/32	(32) 18.05.2016	A23L 17/10
B65B 5/06	(33) United States of America	(11) EP3407736
B65B 5/10	<hr/>	(21) EP16888341.1
B65B 25/06	(51) A23G 9/30	(47) 16.09.2020
B65B 35/24	A47J 31/60	(87) TH2016000005
B65B 35/44	(11) EP3305091	03.08.2017
B65B 43/52	(21) EP17194563.7	(22) 26.01.2016
B65B 43/56	(47) 16.09.2020	(54) CALCIUM ENRICHED SEAFOOD
B65B 59/00	(22) 03.10.2017	PRODUCT
B65G 35/06	(54) METHOD AND SYSTEM FOR	(73) Thai Union Group Public Company
B65G 47/96	CLEANING A MACHINE FOR MAKING	Limited
B65G 54/02	LIQUID AND/OR SEMI-LIQUID FOOD	(72) KASEMSUWAN, Tunyawat

BOONTIANG, Supaporn	VOLGGER, Dietmar	(54) AEROSOL GENERATING APPARATUS
(51) A24B 13/02	(31) 102018104823	(73) British American Tobacco (Investments) Limited
A24B 15/167	(32) 02.03.2018	(72) JOHN, Edward
(11) EP2991511	(33) Germany	AOUN, Walid Abi
(21) EP14725379.3	(51) A24D 3/02	ALLBUTT, Bryan
(47) 16.09.2020	A24D 3/04	SEAWARD, David Robert
(87) EP2014058993	A24D 3/10	PHASEY, David
06.11.2014	(11) EP3248476	(31) 201501429
(22) 02.05.2014	(21) EP16739755.3	(32) 28.01.2015
(54) VAPORISABLE MATERIAL AND CAPSULE	(47) 16.09.2020	(33) United Kingdom
(73) JT International SA	(87) CN2016071003	(51) A24F 47/00
(72) YILMAZ, Ugurhan	28.07.2016	(11) EP3251529
SUZUKI, Toshifumi	(22) 15.01.2016	(21) EP15883253.5
MOONEY, Barry	(54) CELLULOSE ACETATE PARTICLE AGGREGATE, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF	(47) 16.09.2020
GOLOVANOVA, Tatiana	(73) Nantong Cellulose Fibers Co., Ltd.	(87) JP2015055908
(31) 13166240	(72) CAO, Jianguo	01.09.2016
(32) 02.05.2013	PENG, Weijun	(22) 27.02.2015
(33) European Patent Office (EPO)	SONG, Xiaomei	(54) NON-BURNING TYPE FLAVOR INHALER
(51) A24C 5/14	XIA, Jianfeng	(73) JAPAN TOBACCO INC.
A24C 5/34	(31) 201510036109	(72) OISHI, Kei
B65B 19/28	(32) 23.01.2015	(51) A41D 1/02
G07C 3/00	(33) China	A41D 27/20
(11) EP3501300	(51) A24F 13/18	(11) EP3566597
(21) EP18210670.8	C09K 5/04	(21) EP19167366.4
(47) 16.09.2020	F23Q 2/32	(47) 16.09.2020
(22) 06.12.2018	(11) EP3154381	(22) 04.04.2019
(54) PRODUCTION LINE IN THE TOBACCO INDUSTRY AND METHOD FOR INSPECTING IT	(21) EP15727694.0	(54) THEFT-PROOF JACKET
(73) G.D S.p.A.	(47) 16.09.2020	(73) Geilenkothen Fabrik für Schutzkleidung GmbH
(72) VECCHIETTI, Luca	(87) EP2015063236	(72) WOLLWERT, Kai Bruno Johannes
FEDERICI, Luca	17.12.2015	(31) 102018110896
(31) 201700146120	(22) 12.06.2015	(32) 07.05.2018
(32) 19.12.2017	(54) EXTINGUISHER FOR A SMOKING ARTICLE	(33) Germany
(33) Italy	(73) Philip Morris Products S.A.	(51) A41D 13/015
(51) A24C 5/47	(72) LAVANCHY, Frédéric	A41D 27/08
A24D 3/04	MANCA, Laurent	(11) EP2916674
(11) EP3310194	KRASIEV, Sergey	(21) EP13853756.8
(21) EP16744853.9	MALZACH, Samuel	(47) 16.09.2020
(47) 16.09.2020	AMGWERD, Luc	(87) US2013068440
(87) IB2016053489	LANCI, Antonino	15.05.2014
22.12.2016	MOCK, Elmar	(22) 05.11.2013
(22) 14.06.2016	(31) 14172172	(54) THREE DIMENSIONAL SPORTS PADS AND RELATED METHODS FOR ORNAMENTING A SPORTS UNIFORM
(54) TELESCOPIC, COAXIAL FILTER CIGARETTE AND RELATED PRODUCTION METHOD, FILTER ROD MAKING MACHINE AND FILTER TIP ATTACHMENT MACHINE	(32) 12.06.2014	(73) 3DCalz LLC
(73) G.D S.p.A.	(33) European Patent Office (EPO)	(72) GUDALIS, Brian, Michael
(72) EUSEPI, Ivan	(51) A24F 25/00	(31) 201261723177 P
FEDERICI, Luca	E03F 1/00	201361755208 P
(31) UB20151410	(11) EP2800484	201314050439
(32) 16.06.2015	(21) EP13733857.0	(32) 06.11.2012
(33) Italy	(47) 16.09.2020	22.01.2013
(51) A24D 1/02	(87) US2013020415	10.10.2013
A24F 47/00	(22) 05.01.2013	(33) United States of America
(11) EP3651590	(54) Water distribution system	United States of America
(21) EP19708413.0	(73) Greberis, Stan	United States of America
(47) 16.09.2020	(72) Greberis, Stan	(51) A43B 1/04
(87) EP2019054262	(31) 201261584119 P	A43B 9/00
06.09.2019	(32) 06.01.2012	A43B 23/02
(22) 21.02.2019	(33) United States of America	A43B 23/04
(54) AEROSOL-GENERATING ARTICLE HAVING RIGID ENVELOPING MATERIAL	(51) A24F 47/00	D04B 1/22
(73) delfortgroup AG	(11) EP3250061	(11) EP3338584
(72) MAIR, Christian	(21) EP16704141.7	(21) EP16836948.6
	(47) 16.09.2020	(47) 16.09.2020
	(87) EP2016051727	(87) JP2016072121
	04.08.2016	23.02.2017
	(22) 27.01.2016	(22) 28.07.2016

(54) FOOTWEAR	A45D 44/00	(72) MEERSSCHAERT, Reinhard
(73) Shima Seiki Mfg., Ltd.	(11) EP3313229	(51) A45D 1/16
(72) KOYABU, Yoshiharu	(21) EP16747823.9	A45D 2/02
SHIMASAKI, Yoshinori	(47) 16.09.2020	A45D 2/08
(31) 2015161595	(87) FR2016051615	A45D 2/10
(32) 19.08.2015	05.01.2017	(11) EP3331397
(33) Japan	(22) 29.06.2016	(21) EP16745800.9
(51) A43B 3/30	(54) ARTICLE FOR DECORATING A	(47) 16.09.2020
A43B 5/04	PERSON'S SKIN OR NAILS, AND	(87) FR2016051799
A43B 13/14	METHOD USING SUCH AN ARTICLE	16.02.2017
A43B 13/22	(73) L V M H RECHERCHE	(22) 12.07.2016
A43B 13/28	(72) CHEVALIER, Marc	(54) HAIR CURLING DEVICE HAVING AN
A63C 9/00	(31) 1556060	INSERTION SLOT PROVIDED WITH
(11) EP3400990	(32) 29.06.2015	GUIDING MEANS
(21) EP18170885.0	(33) France	(73) SEB S.A.
(47) 16.09.2020	(51) A45C 5/03	(72) BONNEMAIRE, Baptiste
(22) 04.05.2018	A45C 5/14	VACHERON, Xavier
(54) CHILDREN OR TEENS SKI SHOE AND	A45C 13/10	(31) 1557631
COMBINATION OF A CHILDREN OR	A45C 13/36	(32) 07.08.2015
TEENS SKI SHOE WITH A SKI BINDING	(11) EP3417736	(33) France
(73) Tyrolia Technology GmbH	(21) EP17176736.1	(51) A45D 20/10
(72) Pfaller, Robert	(47) 16.09.2020	A45D 20/12
Baumgartner, Manfred	(22) 19.06.2017	A45D 20/18
(31) 504022017	(54) SUITCASE WITH A LID COVERING A	H02J 7/00
(32) 12.05.2017	SIDEWALL	(11) EP3506790
(33) Austria	(73) Stratic Lederwaren Jacob Bonifer GmbH	(21) EP18859959.1
(51) A43B 7/14	(72) Chaouch, Karim	(47) 16.09.2020
A43B 7/20	(51) A45C 9/00	(87) US2018027435
A43B 13/02	A45C 13/10	16.05.2019
A43B 17/00	(11) EP3479722	(22) 13.04.2018
A61F 5/01	(21) EP18204068.3	(54) BATTERY OPERATED HAIR DRYER
A61F 5/052	(47) 16.09.2020	(73) Follicle, Inc.
A61F 5/14	(22) 02.11.2018	(72) NELSON, Eric
(11) EP3319469	(54) BAG	REBHOLZ, Christopher
(21) EP16821771.9	(73) Di Tommaso, Claudia Anna Maria	STAFIL, Erik
(47) 16.09.2020	(72) Di Tommaso, Claudia Anna Maria	MEREDITH, James
(87) US2016034373	(31) 202017106725 U	KIRKLAND, David
12.01.2017	(32) 07.11.2017	(31) 201762584528 P
(22) 26.05.2016	(33) Germany	(32) 10.11.2017
(54) FORCE DELIVERY IN ORTHOTIC,	(51) A45C 11/00	(33) United States of America
ORTHOTIC INSERTS AND ANKLE	(11) EP3315044	(51) A45D 33/02
FOOT ORTHOSIS PRODUCTS AND	(21) EP16196125.5	A45D 40/22
SYSTEMS	(47) 16.09.2020	(11) EP3449763
(73) Roar Athletic Performance Corp.	(22) 27.10.2016	(21) EP17813499.5
(72) ARCIUOLO, Matthew J.	(54) CONTACT LENS CASE AND RELATED	(47) 16.09.2020
(31) 201562189400 P	METHODS AND KITS	(87) KR2017005591
(32) 07.07.2015	(73) CooperVision International Holding	21.12.2017
(33) United States of America	Company, LP	(22) 29.05.2017
(51) A43B 13/20	(72) Borazjani, Roya	(54) COMPACT CONTAINER HAVING
A43B 23/02	Fawcett, Lisa	TENSION PART INTEGRALLY FORMED
A43C 11/00	Zucaro, Aldo	THEREIN
(11) EP3547865	George, Melanie	(73) Pum-Tech Korea Co., Ltd
(21) EP17893949.2	Luk, Andrew	(72) LEE, Do Hoon
(47) 16.09.2020	Hunt, Gary	(31) 20160073930
(87) CN2017116895	Sultan Yan, Matthew	(32) 14.06.2016
02.08.2018	Lonnen, James	(33) Korea (Republic)
(22) 18.12.2017	Harrison, Glen	(51) A45D 33/36
(54) SPORTS SHOE WITH INFLATABLE	Barrett, Kevin	(11) EP3462978
TIGHTENING SYSTEM	(51) A45C 13/04	(21) EP17727238.2
(73) Zhejiang Geely Holding Group Co., Ltd.	A45C 13/26	(47) 16.09.2020
Zhejiang Geely Automobile Research	A45C 13/36	(87) EP2017063524
Institute Co., Ltd.	(11) EP3469946	07.12.2017
(72) Li, Shufu	(21) EP17196478.6	(22) 02.06.2017
(31) 201710054976	(47) 16.09.2020	(54) APPLICATOR HAVING AN
(32) 24.01.2017	(22) 13.10.2017	APPLICATOR BLADE
(33) China	(54) FRAME STRUCTURE FOR A	(73) GEKA GmbH
(51) A44C 15/00	SOFTSIDE LUGGAGE ARTICLE	(72) HAMIDA, Jasmin
A45D 29/00	(73) Samsonite IP Holdings S.à r.l.	JUTZI, Paul

(31) 202016102947 U	(54) ERGONOMIC DUTY BELT ASSEMBLY	TRELOAR, Robert, Lindsay
(32) 02.06.2016	(73) May, Gregory	ZILLMER, Ruediger
(33) Germany	(72) May, Gregory	(31) 16192878
(51) A45D 34/00	(31) 201562114447 P	(32) 07.10.2016
A45D 40/00	2889214	(33) European Patent Office (EPO)
A45D 40/18	(32) 10.02.2015	(51) A47B 57/10
A61J 1/00	23.04.2015	A47B 96/14
A61J 1/14	(33) United States of America	A47F 5/11
(11) EP3429541	Canada	(11) EP3516997
(21) EP17767511.3	(51) A46B 5/00	(21) EP19153727.3
(47) 16.09.2020	A46B 13/02	(47) 16.09.2020
(87) US2017022671	A61C 1/18	(22) 25.01.2019
21.09.2017	A61C 17/26	(54) PAPER-CRAFT DISPLAY
(22) 16.03.2017	(11) EP3410890	(73) Redbox S.R.L.
(54) NETWORK-CONNECTED CAP FOR A	(21) EP17703392.5	(72) MEUTI, Diego
CONTAINER	(47) 16.09.2020	(31) 201800002127
(73) Kali Care, Inc.	(87) EP2017052298	201800007158
(72) FATEH, Sina	10.08.2017	(32) 30.01.2018
AFSARIFARD, Navid	(22) 02.02.2017	13.07.2018
CAILLOUX, Philippe	(54) AN ELECTRIC UTILITY BRUSH HAVING	(33) Italy
(31) 201662309863 P	A FLEXIBLE DRIVE SHAFT	Italy
201715460115	(73) GlaxoSmithKline Consumer Healthcare	(51) A47B 57/42
(32) 17.03.2016	(UK) IP Limited	A47B 96/02
15.03.2017	(72) DIAMOND, David	A47B 96/06
(33) United States of America	DIAMOND, Jean	A47B 96/14
United States of America	(31) 20160046	A47F 5/10
(51) A45D 34/04	(32) 05.02.2016	E04F 13/08
A45D 40/26	(33) Ireland	E04F 15/024
(11) EP3516984	(51) A46B 5/02	(11) EP3239433
(21) EP19158260.0	A46B 9/04	(21) EP17168629.8
(47) 16.09.2020	A46B 15/00	(47) 16.09.2020
(22) 19.02.2014	B65D 75/00	(22) 28.04.2017
(54) APPLICATOR DEVICE OR DISPENSER	B65D 75/36	(54) INSTALLATION FOR FITTING OUT THE
WITH APPLICATOR TIP ASSEMBLY	(11) EP3318160	INSIDE OF A CELLAR
(73) HCT Asia Ltd.	(21) EP17195357.3	(73) Sinnesal, Daniel
(72) Thorpe, Timothy	(47) 16.09.2020	(72) Sinnesal, Daniel
Apodaca, Adrian Charles	(22) 09.10.2017	(31) 1653816
Maurin, Denis Pierre	(54) ORAL CARE IMPLEMENT	(32) 28.04.2016
Villarreal, Armando	(73) Colgate-Palmolive Company	(33) France
(31) 201361766645 P	(72) WAINLESS, Daniel	(51) A47B 73/00
201313840889	(31) 201615345176	(11) EP3177180
(32) 19.02.2013	(32) 07.11.2016	(21) EP15830347.9
15.03.2013	(33) United States of America	(47) 16.09.2020
(33) United States of America	(51) A46B 5/02	(87) US2015041692
United States of America	A46D 3/00	11.02.2016
(51) A45D 44/00	(11) EP3269272	(22) 23.07.2015
A61B 5/00	(21) EP17186985.2	(54) MODULAR CABLE WINE RACK
(11) EP3551006	(47) 16.09.2020	SYSTEM
(21) EP17825686.3	(22) 18.12.2009	(73) Christie, Miguel D.
(47) 16.09.2020	(54) ORAL CARE IMPLEMENT HAVING	(72) Christie, Miguel D.
(87) US2017065541	MULTI-COMPONENT HANDLE	(31) 201414451540
21.06.2018	(73) Colgate-Palmolive Company	(32) 05.08.2014
(22) 11.12.2017	(72) MOSKOVICH, Robert	(33) United States of America
(54) AN APPARATUS AND METHOD FOR	JIMENEZ, Eduardo	(51) A47B 73/00
PULLING A STRAND OF HAIR	ROONEY, Michael	F25D 25/00
(73) The Procter & Gamble Company	BOHNER, Marco	F25D 25/02
(72) FISHER, Brian Keith	(51) A46B 15/00	(11) EP2107326
MACHENHEIMER, Daniel E.	(11) EP3522751	(21) EP09100188.3
MAUPIN, Richard Craig	(21) EP17780070.3	(47) 16.09.2020
BENNETT, William Alphonso	(47) 16.09.2020	(22) 17.03.2009
(31) 201662432845 P	(87) EP2017074998	(54) Cooling device with a holding device for
(32) 12.12.2016	12.04.2018	storing bottles
(33) United States of America	(22) 02.10.2017	(73) BSH Hausgeräte GmbH
(51) A45F 5/02	(54) SMART TOOTHBRUSH	(72) Staud, Ralph
(11) EP3056114	(73) Unilever N.V.	Tischer, Thomas
(21) EP16020031.7	(72) RUSSELL, Adam, Thomas	(31) 202008004770 U
(47) 16.09.2020	SAVILL, Derek, Guy	(32) 04.04.2008
(22) 09.02.2016	SHAW, Katharine, Jane	

(33) Germany	(72) BUSCHMEYER, Daniel	(21) EP14815452.9
(51) A47B 77/08	WEICHEL, Rainer	(47) 16.09.2020
A47B 95/00	(31) 102016113577	(87) NZ2014000215
F24C 15/30	(32) 22.07.2016	16.04.2015
(11) EP3437516	(33) Germany	(22) 08.10.2014
(21) EP16896229.8	(51) A47B 88/463	(54) CABINET LEVELLING APPARATUS
(47) 16.09.2020	(11) EP3484324	(73) Designerscope Limited
(87) CN2016087163	(21) EP17739275.0	(72) DE BRUIN, Wim Jan
05.10.2017	(47) 16.09.2020	(31) 61656613
(22) 24.06.2016	(87) EP2017067729	62306514
(54) ADJUSTMENT SHIM AND EMBEDDED	18.01.2018	62599414
COOKING UTENSIL ASSEMBLY	(22) 13.07.2017	63167614
(73) Guangdong Midea Kitchen Appliances	(54) DRIVE DEVICE FOR A MOVEABLE	(32) 11.10.2013
Manufacturing Co., Ltd.	FURNITURE PART AND METHOD	27.03.2014
Midea Group Co., Ltd.	FOR OPENING AND CLOSING A	06.06.2014
(72) CAO, Shaoguang	MOVEABLE FURNITURE PART	12.09.2014
LONG, Jian	(73) Paul Hettich GmbH & Co. KG	(33) New Zealand
CHEN, Jueyao	(72) KLAUS, Stefan	New Zealand
ZHANG, Yongzhong	(31) 102016113116	New Zealand
LI, Dongjie	(32) 15.07.2016	New Zealand
(31) 201610200383	(33) Germany	(51) A47B 95/00
201620267426 U	(51) A47B 88/467	(11) EP3457890
(32) 31.03.2016	(11) EP3542673	(21) EP17723669.2
31.03.2016	(21) EP18162518.7	(47) 16.09.2020
(33) China	(47) 16.09.2020	(87) EP2017061337
China	(22) 19.03.2018	23.11.2017
(51) A47B 88/00	(54) DRAWER SLIDE ASSEMBLY	(22) 11.05.2017
(11) EP3288420	(73) Machan International Co., Ltd.	(54) AUTOMATICALLY ACTIVATED ANTI-
(21) EP16719071.9	(72) CHEN, Ming Tse	DISENGAGEMENT SYSTEM FOR A
(47) 16.09.2020	(51) A47B 88/90	HIDDEN HANGING BRACKET FOR
(87) EP2016059373	(11) EP3349617	WALL CUPBOARDS
03.11.2016	(21) EP16778370.3	(73) Leonardo S.r.L.
(22) 27.04.2016	(47) 16.09.2020	(72) CATTANEO, Carlo
(54) ASSEMBLABLE DRAWER FOR	(87) EP2016073987	(31) UA20163448
FURNITURE AND METHOD FOR	26.05.2017	(32) 16.05.2016
ASSEMBLING THE DRAWER	(22) 07.10.2016	(33) Italy
(73) Arturo Salice S.p.A.	(54) FURNITURE PART	(51) A47B 95/00
(72) SALICE, Luciano	(73) Grass GmbH	A61P 3/00
(31) MI20150617	(72) WEBER, Ronald	C12N 9/24
(32) 30.04.2015	GRABHER, Günter	C12N 9/42
(33) Italy	(31) 202015007937 U	F16B 12/20
(51) A47B 88/443	(32) 17.11.2015	A23K 10/12
A47B 88/477	(33) Germany	A23K 10/30
(11) EP3387950	(51) A47B 88/90	A23K 10/37
(21) EP17201601.6	(11) EP3544467	A23K 20/189
(47) 16.09.2020	(21) EP17800543.5	A23K 50/10
(22) 14.11.2017	(47) 16.09.2020	(11) EP3099182
(54) SLIDE RAIL ASSEMBLY	(87) EP2017079642	(21) EP15701766.6
(73) King Slide Works Co., Ltd.	31.05.2018	(47) 16.09.2020
King Slide Technology Co., Ltd.	(22) 17.11.2017	(87) EP2015051621
(72) Chen, Ken-Ching	(54) DRAWER	30.07.2015
Yang, Shun-Ho	(73) Paul Hettich GmbH & Co. KG	(22) 27.01.2015
Yu, Kai-Wen	(72) STAUFENBERG, Gerrit	(54) USE OF AN ENZYMATIC
Wang, Chun-Chiang	BEUMLER, Sören	COMPOSITION IN THE FEED OF
(31) 106112318	MERTINS, Stefan	RUMINANTS
(32) 12.04.2017	SZLAPKA, Timo	(73) Etablissements J. Soufflet
(33) Taiwan, Province of China	(31) 102016122824	(72) DELORD, Benoît
(51) A47B 88/463	102017121597	TOURNAT, Mathieu
(11) EP3487359	(32) 25.11.2016	(31) 1450650
(21) EP17745698.5	18.09.2017	(32) 27.01.2014
(47) 16.09.2020	(33) Germany	(33) France
(87) EP2017068493	Germany	(51) A47C 3/12
25.01.2018	(51) A47B 91/02	A47C 5/14
(22) 21.07.2017	A47L 15/42	(11) EP3539421
(54) PUSHING-OUT DEVICE FOR A	D06F 39/12	(21) EP19000122.2
MOVABLE FURNITURE PART, AND	F16M 7/00	(47) 16.09.2020
PIECE OF FURNITURE	(11) EP3055603	(22) 12.03.2019
(73) Paul Hettich GmbH & Co. KG		

(54) INTEGRALLY MOULDED PLYWOOD SEAT SHELL	(73) Purple Innovation, LLC	(72) STOLARZ, Christian
(73) Kusch + Co. GmbH & Co. KG	(72) PEARCE, Tony M.	NOOLI, Praveen Kumar
(72) Kusch, Dieter	(31) 201615062674	LIM, Stephen
(31) 102018002048	(32) 07.03.2016	BROEN, Martin
(32) 14.03.2018	(33) United States of America	(31) 201615058773
(33) Germany	(51) A47C 27/06	(32) 02.03.2016
(51) A47C 4/04	B68G 9/00	(33) United States of America
A47C 4/24	(11) EP3525630	(51) A47F 3/04
A47C 4/48	(21) EP17780760.9	(11) EP3393306
A47C 7/00	(47) 16.09.2020	(21) EP15816478.0
A47C 7/24	(87) EP2017075669	(47) 16.09.2020
(11) EP3533359	26.04.2018	(87) EP2015081009
(21) EP18794251.1	(22) 09.10.2017	29.06.2017
(47) 16.09.2020	(54) POCKET-SPRING CORE AND METHOD FOR PRODUCING THE POCKET-SPRING CORE	(22) 22.12.2015
(87) CN2018081590	(73) AGRO Holding GmbH	(54) REFRIGERATED SALES FURNITURE
08.11.2018	(72) GROTHAUS, Sabine	(73) Carrier Corporation
(22) 02.04.2018	(31) 102016119742	(72) VALLEE, Christophe
(54) FOLDING CHAIR	(32) 17.10.2016	MILLE, Sophie
(73) Dongguan Shichang Metals Factory Limited	(33) Germany	KRIZ, Pavel
(72) LIN, Chenkang	(51) A47C 27/08	SIMUNEK, Petr
(31) 201720473321 U	B60C 29/00	(51) A47F 3/04
(32) 02.05.2017	F16K 15/20	A47F 10/02
(33) China	F16K 17/04	G01V 8/20
(51) A47C 17/86	F16K 17/168	G06Q 10/08
(11) EP3537933	(11) EP3298930	(11) EP3493707
(21) EP17807937.2	(21) EP17170923.1	(21) EP17754629.8
(47) 16.09.2020	(47) 16.09.2020	(47) 16.09.2020
(87) IB2017056984	(22) 12.05.2017	(87) EP2017069317
17.05.2018	(54) DECOMPRESSION AIR VALVE	08.02.2018
(22) 08.11.2017	(73) Intex Marketing Ltd.	(22) 31.07.2017
(54) ARTICULATED LIFTABLE BED	(72) LIN, Hua Hsiang	(54) REFRIGERATED VENDING CABINET
(73) Pessottoreti S.A.S.	HSU, Yaw Yuan	(73) AHT Cooling Systems GmbH
(72) PESSOTTO, Gianfranco	(31) 201610316878	(72) RESCH, Reinhold
(31) 201600113765	(32) 12.05.2016	(31) 102016114336
(32) 10.11.2016	(33) China	(32) 03.08.2016
(33) Italy	(51) A47F 1/12	(33) Germany
(51) A47C 21/04	(11) EP3518709	(51) A47F 5/00
(11) EP3106066	(21) EP17801213.4	A47F 7/00
(21) EP16179615.6	(47) 16.09.2020	(11) EP3078302
(47) 16.09.2020	(87) US2017060202	(21) EP13858896.7
(22) 18.12.2009	11.05.2018	(47) 16.09.2020
(54) BODY SUPPORT WITH FLUID SYSTEM AND METHOD OF OPERATING SAME	(22) 06.11.2017	(87) JP2013082339
(73) Tempur World, LLC	(54) PRODUCT MANAGEMENT DISPLAY SYSTEM	05.06.2014
(72) MIKKELSEN, Tom D.	(73) RTC Industries, Inc.	(22) 02.12.2013
CHANDLER, Kelly W.	(72) HARDY, Stephen N.	(54) FIXTURE
(31) 139957 P	(31) 201615330834	(73) Little Studio Corporation
140773 P	(32) 07.11.2016	(72) NISHIMURA, Hitoshi
(32) 22.12.2008	(33) United States of America	(51) A47F 5/08
24.12.2008	(51) A47F 3/00	B65D 1/12
(33) United States of America	A47F 3/04	B65D 1/16
United States of America	F25D 11/00	B65D 25/22
(51) A47C 27/00	F25D 19/00	(11) EP3250087
A47C 27/08	F25D 21/04	(21) EP16743955.3
B68G 1/00	F25D 23/00	(47) 16.09.2020
C09D 123/04	(11) EP3422908	(87) US2016014907
C09D 123/06	(21) EP17760536.7	04.08.2016
(11) EP3426096	(47) 16.09.2020	(22) 26.01.2016
(21) EP17763792.3	(87) US2017019634	(54) CANISTER AND BRACKET SYSTEM AND METHOD
(47) 16.09.2020	08.09.2017	(73) Professional Disposables International, Inc.
(87) US2017020726	(22) 27.02.2017	(72) MOONEY, Michael
14.09.2017	(54) FRONT GRILLE FOR REFRIGERATION UNIT AND REFRIGERATED MERCHANDISE DISPLAY SYSTEM WITH SUCH GRILLE	(31) 201562107621 P
(22) 03.03.2017	(73) Pepsico, Inc.	(32) 26.01.2015
(54) CUSHIONS INCLUDING A COATED ELASTOMERIC CUSHIONING ELEMENT AND RELATED METHODS		(33) United States of America
		(51) A47G 1/12
		(11) EP3496575

(21) EP16791117.1	(54) AN APPARATUS FOR COOKING	Gnielka, Katja
(47) 16.09.2020	AT LEAST ONE EGG WITH AN	(51) A47J 31/46
(87) RU2016000527	EGGSHELL, A DOSING UNIT	A47J 31/52
15.02.2018	SUITABLE FOR SUCH AN APPARATUS,	(11) EP3597084
(22) 10.08.2016	A CONTAINER SUITABLE FOR SUCH	(21) EP19183881.2
(54) CAPSULE FOR STORAGE AND	A DOSING UNIT AND A METHOD	(47) 16.09.2020
EXAMINATION OF A COIN	FOR COOKING AT LEAST ONE EGG	(22) 02.07.2019
(73) LLC "Russian Numismatic Grading	WITH AN EGG SHELL IN SUCH AN	(54) HOT BEVERAGE PREPARATION
Agency"	APPARATUS	DEVICE WITH A HOT WATER TANK
(72) MELNIKOV, Alexander Vladimirovich	(73) Eggciting Products B.V.	(73) FRANKE Kaffeemaschinen AG
(51) A47G 27/04	(72) VAN SCHAIK, Sander-Willem	(72) Hoch, Hans-Peter
(11) EP3157393	HANSEN, Edwin Matheus Jozef	(31) 102018117384
(21) EP15810269.9	(31) 2012689	(32) 18.07.2018
(47) 16.09.2020	2014115	(33) Germany
(87) US2015036689	(32) 24.04.2014	(51) A47J 36/06
23.12.2015	13.01.2015	A47J 36/32
(22) 19.06.2015	(33) Netherlands	(11) EP3420864
(54) SEAMING APPARATUS AND METHOD	Netherlands	(21) EP17178575.1
(73) Leblanc, Shane S.	(51) A47J 31/06	(47) 16.09.2020
Lautzenhiser, Lloyd L.	A47J 31/36	(22) 29.06.2017
(72) Leblanc, Shane S.	(11) EP3558074	(54) FOOD PROCESSOR WITH A
Lautzenhiser, Lloyd L.	(21) EP17832568.4	MEASURING CUP COMPRISING
(31) 201414309632	(47) 16.09.2020	SENSORS FOR DETECTING AN
(32) 19.06.2014	(87) IB2017058367	OPERATING CONDITION
(33) United States of America	28.06.2018	(73) Vorwerk & Co. Interholding GmbH
(51) A47J 27/04	(22) 22.12.2017	(72) Hackert, Georg
A47J 27/16	(54) CAPSULE HOLDER FOR A BREWING	(51) A47J 43/28
(11) EP3597080	APPARATUS FOR PREPARING A	(11) EP3691503
(21) EP18184030.7	BEVERAGE FROM A SINGLE- SERVE	(21) EP19783621.6
(47) 16.09.2020	CAPSULE	(47) 16.09.2020
(22) 17.07.2018	(73) Gruppo Gimoka S.R.L.	(87) IB2019057153
(54) DEVICE AND METHOD FOR	(72) VALSECCHI, Massimiliano	05.03.2020
PREPARING FOOD STORED IN A	(31) 201600130874	(22) 26.08.2019
VESSEL	(32) 23.12.2016	(54) SPATULUM FOR MIXING BOWLS
(73) Carogusto AG	(33) Italy	(73) Wunderle, Johannes
(72) FISCHER, Daniel	(51) A47J 31/40	(72) Wunderle, Johannes
SCHENK, Philipp	B65D 85/804	(31) 102018120928
(51) A47J 27/62	(11) EP3536637	(32) 28.08.2018
A47J 36/32	(21) EP18159995.2	(33) Germany
A47J 37/06	(47) 16.09.2020	(51) A47K 3/00
A47J 37/12	(22) 05.03.2018	B29C 70/26
(11) EP3376912	(54) CAPSULE FOR PREPARING A	C08J 7/04
(21) EP16822529.0	BEVERAGE	(11) EP3255084
(47) 16.09.2020	(73) Nootrie AG	(21) EP16305696.3
(87) IB2016056944	(72) Junker, Daniel	(47) 16.09.2020
26.05.2017	Ettlin, Karin	(22) 10.06.2016
(22) 18.11.2016	Volkart, Fabian	(54) METHOD FOR PREPARING A
(54) APPARATUS FOR COOKING FOOD	(51) A47J 31/42	REINFORCED STRUCTURE
AND CORRESPONDING COOKING	A47J 31/44	(73) NEW BATH
METHOD	(11) EP3510902	Raigi
(73) De' Longhi Appliances S.r.l. Con Unico	(21) EP18151644.4	(72) AUBOURG, Désiré
Socio	(47) 16.09.2020	BOULMIER, Augustin
(72) DE' LONGHI, Giuseppe	(22) 15.01.2018	PERRIER, Olivier
TREVISAN, Gianpaolo	(54) COFFEE MACHINE	ROCLE, Dominique
VAZZOLER, Alessio	(73) BSH Hausgeräte GmbH	(51) A47K 5/06
(31) UB20155746	(72) Studencnik, Simon	A47K 10/16
(32) 19.11.2015	Lemez, Samo	A47K 10/24
(33) Italy	(51) A47J 31/44	A47K 10/32
(51) A47J 29/02	(11) EP3412182	(11) EP2996529
A47J 31/40	(21) EP17175087.0	(21) EP13884684.5
H05B 6/80	(47) 16.09.2020	(47) 16.09.2020
(11) EP3133963	(22) 08.06.2017	(87) SE2013050559
(21) EP15715742.1	(54) COFFEE MACHINE WATER TANK	20.11.2014
(47) 16.09.2020	HANDLE AND COVER SYSTEM	(22) 17.05.2013
(87) EP2015058059	(73) BSH Hausgeräte GmbH	(54) DISPENSER FOR STORING AND
29.10.2015	(72) Ogrizek, Bostjan	DISPENSING HYGIENE PRODUCTS
(22) 14.04.2015	Golicnik, Matjaz	(73) Essity Hygiene and Health Aktiebolag

(72) ORGNA, Peter LARSSON, Björn	(54) INVERTED BOTTLE DISPENSING SYSTEMS AND METHODS	Kaskelin, Jari Kalevi
(51) A47K 5/06	(73) Henkel IP & Holding GmbH	(31) 20155858
G01F 11/00	(72) STERLING, Daniel Peter	(32) 19.11.2015
B67D 7/08	NIXON, Anne E.	(33) Finland
(11) EP2948036	TALBOT, Whitney	(51) A47L 5/26
(21) EP13873094.0	KAYE, Glenn William	A47L 9/16
(47) 16.09.2020	COLACIOPPO, Keith	(11) EP3525646
(87) US2013075926	TUREK, Christopher Crosby	(21) EP17787558.0
31.07.2014	AHLMAN, Carson E.	(47) 16.09.2020
(22) 18.12.2013	MURPHY, Shannon A.	(87) GB2017053080
(54) APPARATUS FOR DISPENSING LIQUID SOAP	WARREN, Adam	19.04.2018
(73) Dispensing Dynamics International, LLC	DAOUST, Michael	(22) 12.10.2017
(72) MUDERLAK, Todd, Jeffrey	(31) 201514629283	(54) SURFACE CLEANING APPARATUS
SCHWARZ, Roland, E.C.	(32) 23.02.2015	(73) TTI (Macao Commercial Offshore)
(31) 201313748948	(33) United States of America	Limited
(32) 24.01.2013	(51) A47K 10/38	(72) WARD, Matthew James
(33) United States of America	(11) EP3253269	WATERS, Richard David
(51) A47K 5/12	(21) EP16707176.0	NEWSOM, Guy Lawrence
B65D 47/24	(47) 16.09.2020	HOLMES, Darren David
B67D 3/04	(87) FR2016050209	ROGERS, Steven James
(11) EP3541720	11.08.2016	(31) 201617518
(21) EP17800370.3	(22) 01.02.2016	(32) 14.10.2016
(47) 16.09.2020	(54) APPARATUS FOR DISPENSING STRIPS OF A FLEXIBLE MATERIAL	(33) United Kingdom
(87) AT2017060301	PACKAGED ON A REEL POSITIONED HORIZONTALLY OR VERTICALLY	(51) A47L 9/00
24.05.2018	(73) Granger, Maurice	(11) EP3597090
(22) 10.11.2017	(72) Granger, Maurice	(21) EP19180530.8
(54) CLOSURE ELEMENT THAT CAN BE INSERTED INTO A CONTAINER OPENING, AND CONTAINER	(31) 1550930	(47) 16.09.2020
(73) Hagleitner, Hans Georg	(32) 06.02.2015	(22) 17.06.2019
(72) Hagleitner, Hans Georg	(33) France	(54) VACUUM ROBOT, CHARGING STATION FOR A VACUUM ROBOT AND METHOD FOR OPERATING A VACUUM ROBOT
(31) 510532016	(51) A47K 10/48	(73) Miele & Cie. KG
(32) 21.11.2016	(11) EP2591710	(72) Döring, Sebastian
(33) Austria	(21) EP10854411.5	(31) 102018117191
(51) A47K 5/12	(47) 16.09.2020	(32) 17.07.2018
G01F 23/20	(87) JP2010061459	(33) Germany
G01F 23/292	12.01.2012	(51) A47L 9/00
G01G 17/04	(22) 06.07.2010	H02J 7/00
G01G 21/22	(54) HAND DRYING DEVICE	(11) EP3432440
G08B 21/24	(73) Mitsubishi Electric Corporation	(21) EP18156044.2
(11) EP3581897	(72) NAKAMURA, Jun	(47) 16.09.2020
(21) EP18177116.3	KOBAYASHI, Takaki	(22) 09.02.2018
(47) 16.09.2020	SAKANE, Tsukasa	(54) CHARGER FOR VACUUM CLEANER AND FAST CHARGING CONTROLLING METHOD THEREOF
(22) 11.06.2018	(51) A47K 13/12	(73) Jiangsu Midea Cleaning Appliances Co., Ltd.
(54) A DISPENSING SYSTEM FOR A HAND HYGIENE PRODUCT COMPRISING A RE-USABLE SENSOR MODULE	A47K 13/26	Midea Group Co., Ltd.
(73) GWA Hygiene GmbH	(11) EP3569122	(72) WAN, Dekang
(72) WALZ, Marcel	(21) EP18172061.6	(31) 201710582148
Gebhardt, Tobias	(47) 16.09.2020	201710598933
(51) A47K 5/122	(22) 14.05.2018	201720889124 U
B65D 1/32	(54) WC FITTING AND WC WITH LOCKING DEVICE	201710598935
B65D 35/10	(73) Geberit International AG	(32) 17.07.2017
B65D 41/26	(72) Lechner, Manuel	21.07.2017
B65D 47/12	(51) A47K 13/30	21.07.2017
B65D 47/20	A47K 17/02	21.07.2017
B65D 47/32	E03D 11/14	(33) China
B65D 51/16	E04B 1/343	China
B65D 51/24	(11) EP3170945	China
G01F 11/28	(21) EP16199589.9	China
(11) EP3261943	(47) 16.09.2020	(51) A47L 9/20
(21) EP16756211.5	(22) 18.11.2016	(11) EP3334319
(47) 16.09.2020	(54) TOILET MODULE AND METHOD FOR CONTROLLING LAVATORY TECHNOLOGY OF AUTOMATIC TOILET	(21) EP16750648.4
(87) US2016019179	(73) High Gienic Oy	(47) 16.09.2020
01.09.2016	(72) Lahtivuori, Juha Olavi	(87) EP2016007637
(22) 23.02.2016		16.02.2017
		(22) 25.07.2016

(54) SUCTION DEVICE	(22) 04.07.2016	(73) OLYMPUS Winter & Ibe GmbH
(73) Festool GmbH	(54) NON-INVASIVE VENTILATION	(72) JÜRGENS, Thorsten
(72) BARABEISCH, Markus	BRONCHOSCOPY SCOPE GUIDE AND	(31) 102016124731
(31) 102015113189	METHOD	(32) 16.12.2016
(32) 11.08.2015	(73) Koninklijke Philips N.V.	(33) Germany
(33) Germany	(72) MCCRACKEN, Christopher James	(51) A61B 1/00
(51) A47L 15/42	(31) 201562195360 P	A61B 1/07
D06F 39/14	(32) 22.07.2015	G02B 3/00
E05B 47/06	(33) United States of America	G02B 23/24
E05C 3/02	(51) A61B 1/00	G02B 26/08
E05C 19/10	A61B 1/012	(11) EP3011380
F24C 15/02	A61B 1/05	(21) EP14813763.1
(11) EP2450510	A61B 1/06	(47) 16.09.2020
(21) EP11188138.9	G02B 13/06	(87) AU2014000634
(47) 16.09.2020	G02B 23/24	24.12.2014
(22) 07.11.2011	(11) EP3482673	(22) 19.06.2014
(54) Door locking device for household	(21) EP18191205.6	(54) OPTICAL SCANNER AND SCANNED
appliances and bistable mechanism	(47) 16.09.2020	LENS OPTICAL PROBE
(73) Eltek S.p.A.	(22) 06.05.2014	(73) OPTISCAN PTY LTD
(72) Gaj, Renato	(54) IMAGE CAPTURE ASSEMBLY FOR	(72) VANCE, Roderick William Charles
(31) TO20100892	USE IN A MULTI-VIEWING ELEMENTS	(31) 2013902228
(32) 08.11.2010	ENDOSCOPE	(32) 19.06.2013
(33) Italy	(73) EndoChoice, Inc.	(33) Australia
(51) A47L 15/48	(72) Levy, Avi	(51) A61B 1/00
(11) EP3257425	Levi, Moshiko	A61B 1/267
(21) EP15881535.7	Salman, Golan	A61B 5/00
(47) 16.09.2020	Aizenfeld, Amram	A61B 5/06
(87) CN2015072954	Wieth, Stephan	A61B 5/08
18.08.2016	Avron, Jeruham	A61B 10/02
(22) 12.02.2015	Dascalo, Robby	A61B 17/24
(54) DISH-WASHING MACHINE	Gilreath, Mark	A61B 17/34
(73) Foshan Shunde Midea Washing	Krivopisk, Leonid	(11) EP3192446
Appliances Mfg. Co., Ltd.	Kirma, Yaniv	(21) EP17151560.4
(72) DOGAN, Yilmaz	Levin, Victor	(47) 16.09.2020
GAO, Feng	(31) 201361820100 P	(22) 16.01.2017
(51) A61B 1/00	201361824236 P	(54) NAVIGABLE ENDOBRONCHIAL TOOL
A61B 1/005	(32) 06.05.2013	TO ACCESS TISSUE OUTSIDE A
A61B 5/06	16.05.2013	BRONCHUS
A61M 25/01	(33) United States of America	(73) Covidien LP
A61B 34/20	United States of America	(72) HERDINA, Katherine
A61B 90/00	(51) A61B 1/00	SCHAFFER, Carol
(11) EP1956962	A61B 1/045	(31) 201662279373 P
(21) EP06838329.8	(11) EP2994034	201715399984
(47) 16.09.2020	(21) EP14794424.3	(32) 15.01.2016
(87) US2006045304	(47) 16.09.2020	06.01.2017
31.05.2007	(87) US2014037004	(33) United States of America
(22) 21.11.2006	13.11.2014	United States of America
(54) SYSTEM FOR DETERMINING	(22) 06.05.2014	(51) A61B 1/00
THE SHAPE OF A BENDABLE	(54) WHITE BALANCE ENCLOSURE	A61B 5/00
INSTRUMENT	FOR USE WITH A MULTI-VIEWING	A61B 8/12
(73) Intuitive Surgical Operations, Inc.	ELEMENTS ENDOSCOPE	A61M 25/00
(72) MINTZ, David	(73) EndoChoice, Inc.	A61M 25/09
DURANT, Kevin	(72) SALMAN, Golan	A61M 39/22
OHLINE, Robert	LEVIN, Victor	(11) EP3228252
(31) 739353 P	KIRMA, Yaniv	(21) EP15865046.5
(32) 22.11.2005	GERSHOV, Yuri	(47) 16.09.2020
(33) United States of America	(31) 201361820650 P	(87) JP2015083804
(51) A61B 1/00	(32) 07.05.2013	09.06.2016
A61B 1/01	(33) United States of America	(22) 01.12.2015
A61B 1/267	(51) A61B 1/00	(54) CATHETER HOLDER, AND CATHETER
A61M 16/04	A61B 1/07	SET
A61M 16/06	(11) EP3515278	(73) Terumo Kabushiki Kaisha
A61M 16/08	(21) EP17800788.6	(72) SAKAGUCHI, Yuuki
(11) EP3325069	(47) 16.09.2020	(31) 2014244259
(21) EP16738558.2	(87) EP2017078627	(32) 02.12.2014
(47) 16.09.2020	21.06.2018	(33) Japan
(87) IB2016053996	(22) 08.11.2017	(51) A61B 1/12
26.01.2017	(54) ENDOSCOPE	A61L 2/18

A61L 2/24	(11) EP2413779	13.09.2018
A61L 2/26	(21) EP10717700.8	(22) 27.02.2018
G01N 35/00	(47) 16.09.2020	(54) MEASURING A PROPERTY IN A BODY
(11) EP3311850	(87) FR2010050610	(73) Koninklijke Philips N.V.
(21) EP17197618.6	07.10.2010	(72) DOODEMAN, Gerardus, Johannes,
(47) 16.09.2020	(22) 31.03.2010	Nicolaas
(22) 20.10.2017	(54) SYSTEM FOR DEMONSTRATING	DE WIJS, Willem-Jan, Arend
(54) DYNAMIC DISINFECTANT DOSAGE	OCULOMOTOR ABNORMALITIES	KAHLERT, Joachim
WITH CONCENTRATE DEGRADATION	(73) Suricog	(31) 17160133
COMPENSATION	(72) KINKINGNEHUN, Serge	17173013
(73) ASP Global Manufacturing GmbH	MAILLARD, Mickael	(32) 09.03.2017
(72) YANG, Sungwook	ARGUDO, Mathieu	26.05.2017
(31) 201615331133	(31) 0952102	(33) European Patent Office (EPO)
(32) 21.10.2016	(32) 01.04.2009	European Patent Office (EPO)
(33) United States of America	(33) France	<hr/>
(51) A61B 1/31	(51) A61B 5/00	(51) A61B 5/00
A61B 5/00	A61B 5/01	A61B 5/024
A61B 5/02	A61B 5/0205	A61B 5/11
A61B 5/1473	A61B 5/0285	(11) EP3082577
A61B 17/22	A61B 5/0404	(21) EP14830881.0
A61M 31/00	A61B 5/08	(47) 16.09.2020
A61F 2/06	A61B 5/083	(87) IB2014066745
G06T 7/00	A61B 5/145	25.06.2015
(11) EP2509498	H04M 11/00	(22) 10.12.2014
(21) EP10836649.3	H04M 11/06	(54) METHOD AND HEART RATE MONITOR
(47) 16.09.2020	G16H 10/60	WITH ACCELEROMETERS FOR
(87) US2010059559	(11) EP3295867	PULSE DETECTION
16.06.2011	(21) EP17197631.9	(73) Koninklijke Philips N.V.
(22) 08.12.2010	(47) 16.09.2020	(72) RUSSELL, James Knox
(54) DEVICES FOR PREDICTING AND	(22) 17.02.2015	DURIC, Haris
PREVENTING RESTENOSIS	(54) A PHONE FOR USE IN HEALTH	LIU, Chenguang
(73) Avinger, Inc.	MONITORING	(31) 201361918095 P
(72) HE, Xuanmin	(73) Sanandco Limited	(32) 19.12.2013
SIMPSON, John, B.	(72) WIJAYARATNA, Saneth	(33) United States of America
ROSENTHAL, Michael, H.	PEARSON, Michael	<hr/>
BLACK, John, F.	(31) 201402728	(51) A61B 5/00
(31) 267811 P	(32) 17.02.2014	A61B 5/04
(32) 08.12.2009	(33) United Kingdom	(11) EP3171768
(33) United States of America	<hr/>	(21) EP15828184.0
(51) A61B 3/00	(51) A61B 5/00	(47) 16.09.2020
A61B 3/16	A61B 5/01	(87) US2015043123
A61B 17/00	A61B 5/0215	04.02.2016
A61B 18/14	A61B 5/024	(22) 31.07.2015
A61F 9/007	A61M 5/00	(54) MODULAR PHYSIOLOGIC
A61F 9/008	A61M 5/142	MONITORING SYSTEMS
A61B 46/00	A61M 5/172	(73) LifeLens Technologies, LLC
A61B 90/30	A61M 5/20	(72) TOTH, Landy
(11) EP3038574	A61M 37/00	SCHWARTZ, Robert
(21) EP14866168.9	(11) EP2872056	(31) 201462032515 P
(47) 16.09.2020	(21) EP13740143.6	201462032565 P
(87) US2014067717	(47) 16.09.2020	(32) 01.08.2014
04.06.2015	(87) US2013049881	02.08.2014
(22) 26.11.2014	16.01.2014	(33) United States of America
(54) OPHTHALMIC SURGICAL SYSTEMS	(22) 10.07.2013	United States of America
(73) Alcon Inc.	(54) INTEGRATED INJECTION SYSTEM	<hr/>
(72) BRENNAN, Jeff	AND COMMUNICATION DEVICE	(51) A61B 5/00
HUMAYUN, Mark	(73) Becton Dickinson France S.A.S	A61B 5/04
(31) 201361910112 P	(72) BUREAU, Christophe	A61B 5/042
201461924164 P	MONCHOIX, Herve	A61B 18/14
201461990021 P	(31) 201261669846 P	(11) EP3518741
(32) 28.11.2013	(32) 10.07.2012	(21) EP17781290.6
06.01.2014	(33) United States of America	(47) 16.09.2020
07.05.2014	<hr/>	(87) US2017053533
(33) United States of America	(51) A61B 5/00	05.04.2018
United States of America	A61B 5/0215	(22) 26.09.2017
United States of America	A61B 5/053	(54) MAPPING AND/OR ABLATION
(51) A61B 3/113	(11) EP3592209	CATHETER WITH A CLOSED DISTAL
A61B 5/16	(21) EP18708953.7	LOOP
	(47) 16.09.2020	(73) Cardiac Pacemakers, Inc.
	(87) EP2018054824	(72) SHUROS, Allan C.
		KAUPHUSMAN, James

(31) 201662400508 P	A61N 1/365	(32) 21.09.2012
(32) 27.09.2016	(11) EP2445581	21.09.2012
(33) United States of America	(21) EP09846601.4	(33) United States of America
(51) A61B 5/00	(47) 16.09.2020	European Patent Office (EPO)
A61B 5/04	(87) SE2009000330	(51) A61B 5/00
A61B 5/0452	29.12.2010	A61B 5/11
(11) EP2938247	(22) 26.06.2009	(11) EP2819571
(21) EP13831907.4	(54) LATE POTENTIAL DETECTION	(21) EP13719607.7
(47) 16.09.2020	(73) St. Jude Medical AB	(47) 16.09.2020
(87) IB2013060923	(72) BLOMQVIST, Andreas	(87) IB2013051509
03.07.2014	(51) A61B 5/00	06.09.2013
(22) 13.12.2013	A61B 5/0476	(22) 25.02.2013
(54) METHOD AND APPARATUS FOR	H03F 3/08	(54) PROCESSING A SIGNAL
REDUCING MOTION ARTIFACTS IN	(11) EP3439552	REPRESENTING A PHYSIOLOGICAL
ECG SIGNALS	(21) EP17711202.6	RHYTHM
(73) Koninklijke Philips N.V.	(47) 16.09.2020	(73) Koninklijke Philips N.V.
(72) WANG, Jin	(87) EP2017056411	(72) BRÜSER, Christoph
ZHAO, Dan	12.10.2017	LEONHARDT, Klaus, Steffen
SHI, Cheng	(22) 17.03.2017	(31) 201261605355 P
CHEN, Shiyang	(54) BIOSIGNAL ACQUISITION DEVICE	(32) 01.03.2012
(31) PCT/CN2012/087984	AND SYSTEM, METHOD FOR	(33) United States of America
(32) 31.12.2012	ACQUISITION OF BIOSIGNALS	(51) A61B 5/00
(33) World Intellectual Property Office (WIPO)	(73) Technische Universität Berlin	A61B 5/11
(51) A61B 5/00	(72) VON LÜHMANN, Alexander	A61M 15/00
A61B 5/04	MÜLLER, Klaus-Robert	G05B 15/02
A61B 5/0478	(31) 201615090141	G16H 20/13
A61N 1/05	(32) 04.04.2016	(11) EP2863971
H05K 1/09	(33) United States of America	(21) EP13810523.4
H05K 3/12	(51) A61B 5/00	(47) 16.09.2020
C09D 11/52	A61B 5/053	(87) US2013047507
(11) EP3562542	A61B 5/145	03.01.2014
(21) EP18705970.4	A61B 17/00	(22) 25.06.2013
(47) 16.09.2020	A61B 17/02	(54) DEVICES, SYSTEMS, AND METHODS
(87) IB2018050014	A61B 17/34	FOR ADHERENCE MONITORING AND
05.07.2018	A61B 90/30	PATIENT INTERACTION
(22) 02.01.2018	(11) EP3157441	(73) Gecko Health Innovations, Inc.
(54) CORTICAL STIMULATION AND	(21) EP15840171.1	(72) ENGELHARD, Yechiel
RECORDING ELECTRODE AND	(47) 16.09.2020	MAALOUF, Mark
METHOD FOR MAKING SUCH	(87) US2015036281	CHIU, Michael
ELECTRODE	17.03.2016	(31) 201261664008 P
(73) Spes Medica SRL	(22) 17.06.2015	(32) 25.06.2012
(72) MISTRETTA, Matteo	(54) SOFT RETRACTORS	(33) United States of America
FACCO, Giorgio	(73) President and Fellows of Harvard	(51) A61B 5/00
(31) 201700000165	College	A61B 5/11
(32) 02.01.2017	Soft Robotics, Inc.	G06T 7/00
(33) Italy	(72) GALLOWAY, Kevin, C.	G06T 7/246
(51) A61B 5/00	LESSING, Joshua, Aaron	G06T 7/73
A61B 5/0402	(31) 201462013816 P	(11) EP3656302
A61B 5/046	(32) 18.06.2014	(21) EP18208400.4
G16H 50/20	(33) United States of America	(47) 16.09.2020
(11) EP3326517	(51) A61B 5/00	(22) 26.11.2018
(21) EP16200175.4	A61B 5/103	(54) SYSTEM AND METHOD FOR HUMAN
(47) 16.09.2020	G06K 9/00	GAIT ANALYSIS
(22) 23.11.2016	(11) EP2897518	(73) Lindera GmbH
(54) METHOD AND SYSTEM FOR	(21) EP13801740.5	(72) Pitters, Helmut H.
IDENTIFYING POTENTIAL ATRIAL	(47) 16.09.2020	(51) A61B 5/00
FLUTTER AREAS FOR MEDICAL	(87) IB2013058612	A61B 6/00
DECISION SUPPORT	27.03.2014	A61B 6/03
(73) Karlsruher Institut für Technologie	(22) 17.09.2013	G06K 9/46
Städtisches Klinikum Karlsruhe gGmbH	(54) DEVICE AND METHOD FOR	G06K 9/62
(72) OESTERLEIN, Tobias	PROCESSING DATA DERIVABLE	G06T 7/00
DÖSSEL, Olaf	FROM REMOTELY DETECTED	G16H 30/40
SCHMITT, Claus	ELECTROMAGNETIC RADIATION	G16H 50/20
LURK, Armin	(73) Koninklijke Philips N.V.	(11) EP3375376
(51) A61B 5/00	(72) SHAN, Caifeng	(21) EP18161186.4
A61B 5/042	KIRENKO, Ihor Olehovych	(47) 16.09.2020
A61B 5/0452	(31) 201261703828 P	(22) 12.03.2018
A61N 1/362	12185452	

(54) SOURCE OF ABDOMINAL PAIN IDENTIFICATION IN MEDICAL IMAGING	(47) 16.09.2020 (87) EP2013063878 09.01.2014	(31) 64108709 (32) 17.12.2009 (33) United States of America
(73) Siemens Healthcare GmbH	(22) 01.07.2013	(51) A61B 5/022
(72) LIU, David KIRALY, Atila Peter WEISS, Alexander GEORGESCU, Bogdan	(54) A SYSTEM AND METHOD FOR IMPROVED DIFFUSE LUMINESCENT IMAGING OR TOMOGRAPHY IN SCATTERING MEDIA	(11) EP2566387 (21) EP11777336.6 (47) 16.09.2020 (87) IB2011001420 10.11.2011
(31) 201715461563 (32) 17.03.2017 (33) United States of America	(73) Lumito AB (72) ANDERSSON ENGELS, Stefan XU, Can LIU, Haichun SVENMARKER, Pontus	(22) 06.05.2011 (54) METHOD FOR DETERMINING A CALIBRATED AORTIC PRESSURE WAVEFORM
(51) A61B 5/00 A61B 8/00 A61B 8/08 A61C 19/04 B06B 1/06	(31) 201261666899 P 201361771131 P	(73) Atcor Medical Pty Ltd (72) QASEM, Ahmad, M. (31) 201113101193 332224 P
(11) EP3443891 (21) EP18198363.6 (47) 16.09.2020 (22) 07.11.2013	(32) 01.07.2012 01.03.2013 (33) United States of America United States of America	(32) 05.05.2011 07.05.2010
(54) ULTRASOUND PROBE AND DEVICE FOR 3D IMAGING OF THE JAW	(51) A61B 5/00 G16H 40/40	(33) United States of America United States of America
(73) TROPHY SAS	(11) EP2770902	(51) A61B 5/022
(72) GERBAULET, Jean-Pierre GREGOIRE, Jean-Marc LEVASSORT, Franck	(21) EP12842930.5 (47) 16.09.2020 (87) US2012061838 02.05.2013	A61B 5/0225 (11) EP2623024 (21) EP11829039.4 (47) 16.09.2020 (87) JP2011071905 05.04.2012
(31) 1260617 (32) 08.11.2012 (33) France	(22) 25.10.2012 (54) SYSTEM AND METHOD FOR RELIABLE AND SCALABLE HEALTH MONITORING	(2) 26.09.2011 (54) ELECTRONIC BLOOD PRESSURE METER AND METHOD FOR MEASURING BLOOD PRESSURE
(51) A61B 5/00 A61B 17/00 A61B 34/10 A61B 90/00	(73) Vital Connect, Inc. (72) AZIMI, Saeed (31) 201113281153 (32) 25.10.2011 (33) United States of America	(73) Japan Precision Instruments Inc. (72) TAKAHASHI, Yukio (31) 2010214789 (32) 27.09.2010 (33) Japan
(11) EP3448237 (21) EP16733875.5 (47) 16.09.2020 (87) EG2016000015 02.11.2017	(51) A61B 5/02 (11) EP3216391 (21) EP17151768.3 (47) 16.09.2020 (22) 17.01.2017	(51) A61B 5/0408 (11) EP2767231 (21) EP14154764.6 (47) 16.09.2020 (22) 12.02.2014
(2) 26.04.2016 (54) SYSTEM FOR ACQUIRING DATA FROM BONES AND JOINTS TO PLAN SURGERY	(54) DEVICE AND METHOD FOR DETERMINING AT LEAST ONE INDIVIDUAL FLUID DYNAMICS IDENTIFIER OF A STENOSIS IN A CONTAINER SEGMENT COMPRISING MULTIPLE STENOSES	(54) Apparatus and method for processing biosignals
(73) Hafez, Mahmoud Alm El Din (72) Hafez, Mahmoud Alm El Din	(73) Siemens Healthcare GmbH (72) Klingenbeck, Klaus Redel, Thomas Scheuering, Michael Wiets, Michael	(73) Samsung Electronics Co., Ltd (72) Ko, Byung Hoon Kim, Jong Pal Park, Sang Yun (31) 20130015154 (32) 13.02.2013 (33) Korea (Republic)
(51) A61B 5/00 A61K 49/00 A61B 90/00	(31) 102016203860 (32) 09.03.2016 (33) Germany	(51) A61B 5/0452 A61N 1/362 A61N 1/37 A61N 1/39
(11) EP3242690 (21) EP16735248.3 (47) 16.09.2020 (87) US2016012020 14.07.2016	(31) 102016203860 (32) 09.03.2016 (33) Germany	(11) EP3566744 (21) EP19172673.6 (47) 16.09.2020 (22) 06.05.2019
(22) 04.01.2016 (54) NEAR-INFRARED FLUORESCENT SURGICAL DYE MARKERS	(54) MODULAR PATIENT MONITOR AND METHOD	(54) METHOD AND SYSTEM TO DETECT PREMATURE VENTRICULAR CONTRACTIONS IN CARDIAC ACTIVITY SIGNALS
(73) De Haas, Anthony H. (72) De Haas, Anthony H.	(73) Masimo Corporation (72) Kiani, Massi Joe E. Al-Ali, Ammar Jansen, Paul Ronald Sampath, Anand Barker, Nicholas	(73) PACESETTER, INC. (72) GILL, Jong QU, Fujian MALHOTRA, Neha ROSENBERG, Stuart
(31) 201562100298 P 201562215783 P (32) 06.01.2015 09.09.2015 (33) United States of America United States of America	(21) EP19161837.0 (47) 16.09.2020 (22) 16.12.2010	
(51) A61B 5/00 G01N 21/47 G01N 21/64		
(11) EP2867653 (21) EP13732953.8		

BORNZIN, Gene A.	(47) 16.09.2020	(11) EP3254623
DAWOUD, Fady	(87) EP2011066263	(21) EP16173767.1
(31) 201815973307	28.03.2013	(47) 16.09.2020
(32) 07.05.2018	(22) 20.09.2011	(22) 09.06.2016
(33) United States of America	(54) SYSTEM AND METHOD FOR	(54) METHOD AND SYSTEM FOR
(51) A61B 5/055	SUPPORTING AN EXERCISE	CORRECTING GEOMETRIC
(11) EP3164069	MOVEMENT	MISALIGNMENT DURING IMAGE
(21) EP15814955.9	(73) Fraunhofer Gesellschaft zur Förderung	RECONSTRUCTION IN CHEST
(47) 16.09.2020	der angewandten Forschung e.V.	TOMOSYNTHESIS
(87) US2015039162	(72) LOCHMANN, Matthias	(73) AGFA NV
07.01.2016	(51) A61B 5/15	Universiteit Antwerpen
(22) 03.07.2015	A61K 9/00	(72) Cant, Jeroen
(54) SYSTEMS AND METHODS FOR	A61M 37/00	Sijbers, Jan
IDENTIFYING AND PROFILING	A61K 47/34	(51) A61B 6/00
MUSCLE PATTERNS	(11) EP2457592	A61B 6/03
(73) University Of Virginia Patent Foundation	(21) EP10802225.2	(11) EP3332710
(72) HANDSFIELD, Geoffrey G.	(47) 16.09.2020	(21) EP16203444.1
KNAUS, Katherine R.	(87) JP2010062008	(47) 16.09.2020
BLEMKER, Silvia S.	27.01.2011	(22) 12.12.2016
MEYER, Craig H.	(22) 15.07.2010	(54) CHARACTERISATION OF PLAQUE
HART, Joseph M.	(54) MICRONEEDLE ARRAY	(73) Siemens Healthcare GmbH
(31) 201462020779 P	(73) Hisamitsu Pharmaceutical Co., Inc.	(72) Flohr, Thomas
(32) 03.07.2014	Toppan Printing Co., Ltd.	Schmidt, Bernhard
(33) United States of America	(72) TERAHARA, Takaaki	(51) A61B 6/00
(51) A61B 5/055	TOKUMOTO, Seiji	A61B 6/03
(11) EP3501393	TAMURA, Akira	G02B 5/18
(21) EP18215645.5	YAMADA, Yumiko	G21K 1/06
(47) 16.09.2020	(31) 2009172525	G01N 23/041
(22) 21.12.2018	(32) 23.07.2009	G01N 23/201
(54) LIGHT CIRCUIT FOR IMAGING DEVICE	(33) Japan	G01N 23/207
(73) Elekta Limited	(51) A61B 5/15	(11) EP3341714
(72) BOURNE, Duncan	A61M 5/00	(21) EP16745651.6
XU, Gavin Ziyuan	A61M 5/32	(47) 16.09.2020
WILLIAMS, Anthony	A61M 25/01	(87) EP2016067234
(31) 201721680	A61M 25/06	02.03.2017
(32) 21.12.2017	(11) EP3411095	(22) 20.07.2016
(33) United Kingdom	(21) EP17748206.4	(54) OMNIDIRECTIONAL SCATTERING-
(51) A61B 5/07	(47) 16.09.2020	AND BIDIRECTIONAL PHASE-
A61K 9/48	(87) US2017016359	SENSITIVITY WITH SINGLE SHOT
(11) EP2671508	10.08.2017	GRATING INTERFEROMETRY
(21) EP13182685.1	(22) 03.02.2017	(73) Paul Scherrer Institut
(47) 16.09.2020	(54) DEVICES FOR FLUID TRANSFER	(72) KAGIAS, Matias
(22) 28.04.2006	THROUGH A PLACED PERIPHERAL	STAMPANONI, Marco
(54) Pharma-informatics system	INTRAVENOUS CATHETER	WANG, Zhentian
(73) Proteus Digital Health, Inc.	(73) Velano Vascular, Inc.	(31) 15182383
(72) Zdeblick, Mark	(72) DEVGON, Pitamber	(32) 25.08.2015
Pikelný, Alexander	EHRENREICH, Kevin J.	(33) European Patent Office (EPO)
Robertson, Timothy	BRIGANTI, Richard Thomas	(51) A61B 6/00
(31) 676145 P	(31) 201615014834	A61B 6/04
694078 P	(32) 03.02.2016	A61B 10/00
713680 P	(33) United States of America	A61B 90/17
790335 P	(51) A61B 5/15	G01N 23/04
(32) 28.04.2005	B65C 3/12	(11) EP3476297
24.06.2005	B65C 9/18	(21) EP18201858.0
01.09.2005	G01N 35/04	(47) 16.09.2020
07.04.2006	(11) EP3023342	(22) 22.10.2018
(33) United States of America	(21) EP13886141.4	(54) APPARATUS FOR THE ANALYSIS OF
United States of America	(47) 16.09.2020	SAMPLES TAKEN BY BIOPSY
United States of America	(87) JP2013069436	(73) IMS Giotto S.p.A.
United States of America	22.01.2015	(72) VECCHIO, Sara
(51) A61B 5/11	(22) 17.07.2013	VIGNOLI, Paolo
G01S 5/00	(54) BLOOD COLLECTION TUBE	(31) 201700122588
G06K 9/00	AUTOMATIC PREPARATION DEVICE	(32) 27.10.2017
G09B 19/00	(73) Techno Medica Co., Ltd.	(33) Italy
G01S 5/02	(72) SATO, Mitsuru	(51) A61B 6/00
G16H 20/30	(51) A61B 6/00	A61B 6/12
(11) EP2758803	A61B 6/02	A61B 8/00
(21) EP11761331.5	G06T 11/00	A61B 8/12

A61B 90/00	(11) EP2701607	(22) 29.01.2016
G06T 7/13	(21) EP12777556.7	(54) APPARATUS AND METHOD OF PROCESSING MEDICAL IMAGE
G06T 7/20	(47) 16.09.2020	(73) Samsung Medison Co., Ltd.
G06T 7/30	(87) US2012034945	(72) YANG, Sun-mo
(11) EP3474750	01.11.2012	JIN, Gil-ju
(21) EP17732876.2	(22) 25.04.2012	KIM, Yu-ri
(47) 16.09.2020	(54) BONE SURFACE IMAGE RECONSTRUCTION USING ULTRASOUND	(31) 20150096779
(87) EP2017065326	28.12.2017	(32) 07.07.2015
(22) 22.06.2017	(73) University of Virginia Patent Foundation	(33) Korea (Republic)
(54) ESTIMATING THE ENDOLUMINAL PATH OF AN ENDOLUMINAL DEVICE ALONG A LUMEN	(72) MAULDIN, F. William, Jr.	(51) A61B 17/00
(73) Sync-RX, Ltd.	HOSSACK, John, A.	A61B 17/04
Koninklijke Philips N.V.	OWEN, Kevin	A61B 17/06
(72) ZARKH, Michael	(31) 201161479072 P	B26D 5/24
(31) 201662353205 P	201161547175 P	B26D 7/10
(32) 22.06.2016	201161569685 P	A61B 90/00
(33) United States of America	201261597317 P	(11) EP3566657
(51) A61B 6/04	(32) 26.04.2011	(21) EP18171314.0
C08J 5/18	14.10.2011	(47) 16.09.2020
C08J 7/00	12.12.2011	(22) 08.05.2018
C08J 7/04	10.02.2012	(54) DEVICE AND METHOD FOR CUTTING SURGICAL SUTURE MATERIAL TO LENGTH
(11) EP3078702	(33) United States of America	(73) Harro Höfliger Verpackungsmaschinen GmbH
(21) EP16163856.4	United States of America	(72) Neff, Ingmar
(47) 16.09.2020	United States of America	Weber, Siegfried
(22) 05.04.2016	United States of America	(51) A61B 17/00
(54) SILICONE COVERED SHEET FOR RADIOTHERAPY APPLICATIONS	(51) A61B 8/00	A61B 17/08
(73) T Tape Company BV	A61B 8/12	A61B 17/10
(72) Anthony, Jean-Michel	(11) EP3028643	A61B 17/12
Nieberding, Reginald	(21) EP15192989.0	A61B 17/122
(31) 15162734	(47) 16.09.2020	A61B 17/128
15166056	(22) 04.11.2015	A61B 17/29
15172528	(54) ULTRASOUND PROBE HAVING ROTATABLE TRANSDUCER ARRAY FOR IMPROVED FIELD OF VIEW AND ULTRASOUND DIAGNOSTIC IMAGING SYSTEM HAVING THE SAME	(11) EP3441015
(32) 08.04.2015	(73) Samsung Medison Co., Ltd.	(21) EP18194853.0
30.04.2015	(72) Song, In Seong	(47) 16.09.2020
17.06.2015	(31) 20140173559	(22) 17.12.2010
(33) European Patent Office (EPO)	(32) 05.12.2014	(54) MEDICAL DEVICES WITH DETACHABLE PIVOTABLE JAWS
European Patent Office (EPO)	(33) Korea (Republic)	(73) Cook Medical Technologies LLC
European Patent Office (EPO)	(51) A61B 8/00	(72) Surti, Vihar, C.
(51) A61B 7/02	A61N 7/02	Martinez, Michelle, D.
A61N 1/00	(11) EP3471620	(31) 28929709 P
G10K 11/00	(21) EP17731106.5	(32) 22.12.2009
G10K 13/00	(47) 16.09.2020	(33) United States of America
H04R 25/00	(87) EP2017064237	(51) A61B 17/00
H04R 25/02	21.12.2017	A61B 17/12
H05K 5/00	(22) 12.06.2017	(11) EP3324858
(11) EP2584796	(54) ULTRASONIC HEAD COMPRISING A PLIABLE COVER WITH A REGULAR PATTERN OF APERTURES	(21) EP16781617.2
(21) EP13151334.3	(73) Koninklijke Philips N.V.	(47) 16.09.2020
(47) 16.09.2020	(72) HAKKENS, Franciscus, Johannes, Gerardus	(87) US2016054432
(22) 15.03.2006	FISH, David, Andrew	13.04.2017
(54) Implantable microphone	BECKERS, Lucas, Johannes, Anna, Maria	(22) 29.09.2016
(73) Cochlear Limited	RIJKEN, Antonius, Maria	(54) DEVICES FOR APPLYING HEMOSTATIC OR TISSUE HEALING AGENT TO WET SURFACES
(72) Miller III, Scott, Alan	(31) 16174922	(73) Boston Scientific Scimed, Inc.
Schneider, Robert, Edwin	(32) 17.06.2016	(72) SOENS, Meghan Elizabeth
(31) 697759 P	(33) European Patent Office (EPO)	SCHAUBHUT, Andrew
336394	(51) A61B 8/00	RIEDEL, Caroline
(32) 08.07.2005	G06F 21/32	KANTSEVOY, Sergey
20.01.2006	A61B 5/1172	(31) 201562238321 P
(33) United States of America	(11) EP3114999	(32) 07.10.2015
United States of America	(21) EP16153326.0	(33) United States of America
(51) A61B 8/00	(47) 16.09.2020	(51) A61B 17/00
A61B 8/08		A61B 17/16
A61B 17/34		H01M 2/10
G01S 7/52		
G01S 15/60		
G01S 15/89		

H01M 10/42	(47) 16.09.2020	(32) 02.10.2015
H05K 1/02	(87) US2014037921	(33) United States of America
H05K 1/18	20.11.2014	(51) A61B 17/04
H01M 10/052	(22) 13.05.2014	(11) EP2446831
H01M 10/6235	(54) FORCE TRANSMISSION MECHANISM	(21) EP11186956.6
H01M 10/658	FOR TELEOPERATED SURGICAL	(47) 16.09.2020
A61B 90/00	SYSTEM	(22) 27.10.2011
H02P 6/182	(73) Intuitive Surgical Operations, Inc.	(54) Hand operated device for controlled
H02P 6/20	(72) DONLON, Edward P.	deployment of a tissue anchor
H02P 6/21	ROGERS, Theodore W.	(73) Edwards Lifesciences Corporation
(11) EP3278380	LAMBRECHT, Bram	(72) Robinson, Jason H.
(21) EP16718760.8	(31) 201361823688 P	Cahalane, Steven
(47) 16.09.2020	(32) 15.05.2013	Holmes, Megan E.
(87) US2016025623	(33) United States of America	Lee, Christopher C.
06.10.2016	(51) A61B 17/00	Sutherland, Michael W.
(22) 01.04.2016	A61B 17/3207	Call, Aaron M.
(54) AUTOCLAVE TOLERANT BATTERY	(11) EP3537987	Sellers, James M.
POWERED MOTORIZED SURGICAL	(21) EP17800489.1	Cole, Michael R.
HAND PIECE TOOL	(47) 16.09.2020	Kenny, Gregory J.
(73) ConMed Corporation	(87) EP2017079067	Cardinali, Matthew S.
(72) MACDONALD, Alistair M.	17.05.2018	(31) 40734110 P
SIEH, John K.	(22) 13.11.2017	(32) 27.10.2010
DECESARE, Michael J.	(54) DEVICE FOR REMOVAL OF ORGANS	(33) United States of America
KIENMAN, Richard E.	FROM THE HUMAN OR ANIMAL BODY	(51) A61B 17/04
GONZALEZ, David	(73) Büscherhoff, Bernd	(11) EP3479778
MEDERO, Richard	Holthaus, Bernd	(21) EP18213083.1
(31) 201562142595 P	(72) BÜSCHERHOFF, Bernd	(47) 16.09.2020
(32) 03.04.2015	(31) 202016006899 U	(22) 06.05.2013
(33) United States of America	(32) 11.11.2016	(54) FENESTRATED IMPLANT
(51) A61B 17/00	(33) Germany	(73) SI-Bone, Inc.
A61B 17/28	(51) A61B 17/00	(72) Mauldin, Richard Garret
A61B 17/285	A61B 17/70	Yerby, Scott A
A61B 17/29	A61B 18/00	Reiley, Mark
A61B 17/295	A61M 1/00	Schneider, Bret
A61B 17/32	(11) EP2317931	(31) 201261642681 P
A61B 18/00	(21) EP09800963.2	(32) 04.05.2012
A61B 18/12	(47) 16.09.2020	(33) United States of America
A61B 18/14	(87) US2009051446	(51) A61B 17/04
A61B 90/00	28.01.2010	A61B 17/06
(11) EP3364895	(22) 22.07.2009	A61B 17/16
(21) EP16798019.2	(54) TISSUE MODIFICATION DEVICES	A61B 17/17
(47) 16.09.2020	(73) Trice Medical, Inc.	A61B 90/00
(87) US2016057280	(72) CYBULSKI, James, S.	(11) EP3261557
27.04.2017	SEDDIQUI, Fred, R.	(21) EP16708877.2
(22) 17.10.2016	(31) 82774 P	(47) 16.09.2020
(54) SURGICAL INSTRUMENT WITH	422176	(87) US2016019247
DUAL MODE END EFFECTOR AND	(32) 22.07.2008	01.09.2016
COMPOUND LEVER WITH DETENTS	10.04.2009	(22) 24.02.2016
(73) Ethicon LLC	(33) United States of America	(54) ANATOMIC SOFT TISSUE REPAIR
(72) BOUDREAU, Chad P.	United States of America	(73) Biomet Sports Medicine, LLC
ZECKEL, Monica L.	(51) A61B 17/00	(72) NORTON, Daniel J.
(31) 201562243189 P	A61M 25/01	STONE, Kevin T.
201662363411 P	(11) EP3355802	(31) 201514630031
201615284837	(21) EP16852768.7	(32) 24.02.2015
(32) 19.10.2015	(47) 16.09.2020	(33) United States of America
18.07.2016	(87) US2016054961	(51) A61B 17/072
04.10.2016	06.04.2017	(11) EP2407114
(33) United States of America	(22) 30.09.2016	(21) EP11183256.4
United States of America	(54) ENDO-CAMERAL CLOSURE DEVICE	(47) 16.09.2020
United States of America	(73) The United States of America,	(22) 23.12.2009
(51) A61B 17/00	as represented by the Secretary,	(54) Surgical stapling apparatus
A61B 17/29	Department of Health and Human	(73) Covidien LP
F16H 19/00	Services	(72) Tarinelli, Danyel
F16H 19/02	(72) ROGERS, Toby	Aranyi, Ernie
A61B 34/30	SONMEZ, Merdim	Simpson, Richard
A61B 90/00	KOCATURK, Ozgur	Shah, Sachin
(11) EP2996620	LEDERMAN, Robert, J.	(31) 342400
(21) EP14797262.4	(31) 201562236734 P	(32) 23.12.2008

<p>(33) United States of America (51) A61B 17/072 A61B 17/29 A61B 17/32 A61M 25/00 (11) EP3527151 (21) EP19164999.5 (47) 16.09.2020 (22) 26.10.2012 (54) SURGICAL INSTRUMENT WITH STOWING KNIFE BLADE (73) Intuitive Surgical Operations Inc. (72) WELLMAN, Ashley BURBANK, William DUQUE, Grant FLANAGAN, Patrick (31) 201161560225 P (32) 15.11.2011 (33) United States of America (51) A61B 17/16 A61B 17/88 B25B 21/00 B25B 23/00 B25B 23/14 A61B 90/00 (11) EP3473194 (21) EP18163605.1 (47) 16.09.2020 (22) 03.06.2011 (54) SURGICAL DEVICE WITH SMART BIT RECOGNITION TO SET A DESIRED APPLICATION MODE (73) Biomet Microfixation, LLC (72) GRACIA, Saddy, R. WINTERROTH, Bradley LUBY, Ryan Nicholas MILLER, Larry DYER, Christopher C. GRAY, Benjamin J MEREDITH, Allan J (31) 396803 P (32) 03.06.2010 (33) United States of America (51) A61B 17/17 (11) EP2563245 (21) EP11720354.7 (47) 16.09.2020 (87) US2011034736 03.11.2011 (22) 02.05.2011 (54) GUIDE FOR DRILLING AN IRREGULAR-SHAPED BODY (73) Smith & Nephew, Inc. (72) SMITH, Graham (31) 329994 P (32) 30.04.2010 (33) United States of America (51) A61B 17/17 (11) EP3490470 (21) EP17748902.8 (47) 16.09.2020 (87) GB2017052226 08.02.2018 (22) 31.07.2017 (54) SURGICAL GUIDE FOR POSITIONING A RESURFACING HEAD IMPLANT (73) Embody Orthopaedic Ltd (72) WOZENCROFT, Robert</p>	<p>(31) 201613199 (32) 30.07.2016 (33) United Kingdom (51) A61B 17/22 A61B 17/221 (11) EP3355829 (21) EP16852212.6 (47) 16.09.2020 (87) US2016017982 06.04.2017 (22) 15.02.2016 (54) MECHANICAL THROMBECTOMY APPARATUSES (73) Stryker Corporation (72) GREENHALGH, E., Skott WALLACE, Michael, P. (31) 201562284300 P 201562284752 P 201562245560 P (32) 28.09.2015 08.10.2015 23.10.2015 (33) United States of America United States of America United States of America (51) A61B 17/22 A61B 17/3207 A61B 90/00 (11) EP3258863 (21) EP16702817.4 (47) 16.09.2020 (87) IB2016050448 25.08.2016 (22) 29.01.2016 (54) ATHERECTOMY APPARATUS WITH IMAGING (73) Koninklijke Philips N.V. Volcano Corporation (72) ROWE, Douglas ESCUDERO, Paul POMBO, August SMITH, Torrey (31) 201562118585 P (32) 20.02.2015 (33) United States of America (51) A61B 17/221 (11) EP3086721 (21) EP14822008.0 (47) 16.09.2020 (87) US2014070313 02.07.2015 (22) 15.12.2014 (54) MEDICAL RETRIEVAL DEVICES (73) Boston Scientific Scimed, Inc. (72) TAH, Richard, C. CIULLA, Ronald SLANDA, Jozef (31) 201361920614 P (32) 24.12.2013 (33) United States of America (51) A61B 17/29 A61B 17/32 (11) EP3439563 (21) EP17718258.1 (47) 16.09.2020 (87) US2017025944 12.10.2017 (22) 04.04.2017</p>	<p>(54) SURGICAL INSTRUMENT WITH LOCKING ROTATION CONTROL KNOB (73) Ethicon LLC (72) HIBNER, John A. WORRELL, Barry C. JOHNSON, Gregory W. DICKERSON, Benjamin D. MARTIN, David T MUMAW, Daniel J. (31) 201615089741 (32) 04.04.2016 (33) United States of America (51) A61B 17/34 (11) EP2664290 (21) EP13167618.1 (47) 16.09.2020 (22) 14.05.2013 (54) Surgical access device including gimbal seal with self-centering mechanism (73) Covidien LP (72) Kleyman, Gennady Smith, Robert C. (31) 201261647004 P 201313860838 (32) 15.05.2012 11.04.2013 (33) United States of America United States of America (51) A61B 17/34 A61B 34/30 (11) EP3232957 (21) EP15817726.1 (47) 16.09.2020 (87) US2015065493 23.06.2016 (22) 14.12.2015 (54) ADAPTOR FOR ROBOTICS CANNULA AND SEAL ASSEMBLY (73) Ethicon LLC (72) SAVAGE, Jeffrey L. VAKHARIA, Omar J. DANNAHER, William D. (31) 201414576431 (32) 19.12.2014 (33) United States of America (51) A61B 17/64 (11) EP3422971 (21) EP17708468.8 (47) 16.09.2020 (87) EP2017054753 08.09.2017 (22) 01.03.2017 (54) BRACKET FOR EXTERNAL FIXATION OF BONES (73) Hirsch Dynamics Holding AG (72) BÜRGER, Heinz (31) 201662301741 P 201715402396 (32) 01.03.2016 10.01.2017 (33) United States of America United States of America (51) A61B 17/74 (11) EP3612116 (21) EP18717934.6 (47) 16.09.2020 (87) EP2018059900 25.10.2018</p>
---	--	--

(22) 18.04.2018	(21) EP16169868.3	(32) 13.08.2014
(54) LONGITUDINAL BONE IMPLANT	(47) 16.09.2020	(33) Korea (Republic)
(73) Stöckli Group AG	(22) 17.05.2016	(51) A61B 50/36
(72) WELTE, Thomas	(54) CATHETER WITH COAXIAL THERMOCOUPLE	A61B 90/90
SCHWER, Stefan	(73) Biosense Webster (Israel) Ltd.	A61B 90/98
KAEWMULPET, Christopher, Danai	(72) BEECKLER, Christopher Thomas	(11) EP2790605
GRAF, GOITIA, ORTIZ, Maria, Elisa	(31) 201514714904	(21) EP12812561.4
(31) 17167216	(32) 18.05.2015	(47) 16.09.2020
(32) 20.04.2017	(33) United States of America	(87) EP2012075667
(33) European Patent Office (EPO)	(51) A61B 18/14	20.06.2013
(51) A61B 17/82	A61B 18/20	(22) 14.12.2012
A61F 6/20	A61M 1/02	(54) SURGICAL INSTRUMENT
(11) EP3166508	A61M 1/36	COMPRISING A DETECTION MEANS
(21) EP15818515.7	A61M 5/19	(73) Khoury, Wassim
(47) 16.09.2020	A61M 5/315	Tagil Family Foundation
(87) SE2015050798	A61M 5/32	(72) KHOURY, Wassim
14.01.2016	A61M 5/42	(31) 1161694
(22) 06.07.2015	A61M 37/00	(32) 15.12.2011
(54) MEDICAL DEVICE	A61N 1/05	(33) France
(73) Resorbable Devices AB	A61N 1/32	(51) A61C 3/02
(72) HÖGLUND, Odd	(11) EP3145562	A61C 8/00
(31) 1450890	(21) EP15779231.8	A61C 8/02
1550175	(47) 16.09.2020	(11) EP2428181
(32) 11.07.2014	(87) US2015026270	(21) EP10772231.6
11.07.2014	22.10.2015	(47) 16.09.2020
(33) Sweden	(22) 17.04.2015	(87) KR2010002667
Sweden	(54) APPARATUS FOR THE PREPARATION	11.11.2010
(51) A61B 17/86	AND ADMINISTRATION OF BLOOD	(22) 28.04.2010
A61B 17/88	COMPONENTS	(54) UNITARY ALVEOLAR BONE CHISEL
(11) EP3484392	(73) Healeon Medical Ltd.	AND SPREADER OSTEOTOME FOR A
(21) EP17742698.8	Genesis Biologics Holdings Ltd.	DENTAL IMPLANT
(47) 16.09.2020	(72) MIRABITO, A. Jason	(73) Wang, Je-Won
(87) EP2017067591	PELED, Omer	(72) WANG, Je-Won
18.01.2018	ABU HATTUM, Shada	(31) 20090038894
(22) 12.07.2017	(31) 201461980612 P	(32) 04.05.2009
(54) CANNULATED BONE SCREW	(32) 17.04.2014	(33) Korea (Republic)
(73) Clariance	(33) United States of America	(51) A61C 7/00
(72) MAZEL, Christian	(51) A61B 18/18	A61C 7/08
(31) 201615210427	A61N 5/04	A61C 19/00
201600127	(11) EP3308733	(11) EP3240496
(32) 14.07.2016	(21) EP17199371.0	(21) EP15876254.2
14.07.2016	(47) 16.09.2020	(47) 16.09.2020
(33) United States of America	(22) 30.05.2012	(87) US2015068054
Belgium	(54) MODIFIED WET TIP ANTENNA DESIGN	07.07.2016
(51) A61B 18/00	(73) Covidien LP	(22) 30.12.2015
A61B 18/14	(72) BONN, Kenlyn S	(54) DENTAL APPLIANCE PROVIDING
(11) EP3178433	PETERSON, Darion R	EXPOSED OCCLUSAL SURFACES
(21) EP17152703.9	BRANNAN, Joseph D	(73) 3M Innovative Properties Company
(47) 16.09.2020	(31) 201113118929	(72) RABY, Richard, E.
(22) 20.11.2014	(32) 31.05.2011	PUTTLER, Oliver L.
(54) MULTI-ELECTRODE BALLOON	(33) United States of America	(31) 201462097733 P
CATHETER WITH CIRCUMFERENTIAL	(51) A61B 34/20	201462097735 P
AND POINT ELECTRODES	A61B 90/00	(32) 30.12.2014
(73) Biosense Webster (Israel) Ltd.	(11) EP3181085	30.12.2014
(72) LEE, Christopher	(21) EP15832127.3	(33) United States of America
(31) 201314086791	(47) 16.09.2020	United States of America
(32) 21.11.2013	(87) KR2015008412	(51) A61C 7/10
(33) United States of America	18.02.2016	A61C 7/22
(51) A61B 18/00	(22) 11.08.2015	A61C 7/30
A61B 18/14	(54) TRACKING SYSTEM	A61C 7/36
B21C 1/00	(73) Koh Young Technology Inc.	(11) EP3629996
G01K 7/02	Kyungpook National University Industry-	(21) EP18729612.4
G01K 7/06	Academic Cooperation Foundation	(47) 16.09.2020
H01L 35/10	(72) LEE, Hyun Ki	(87) EP2018063918
H01L 35/20	OH, Hyun Min	06.12.2018
H01L 35/32	KIM, Min Young	(22) 28.05.2018
H01L 35/34	(31) 20140104889	(54) AN ORTHODONTIC DEVICE
(11) EP3095403		

(73) Orthodontic Research and Development, S.L.	KATANO, Mamoru	(22) 14.12.2017
(72) CARRIERE LLUCH, Luis	(31) 2015122896	(54) BIFURCATED STENT GRAFT WITH HEMODYNAMIC BLOOD FLOW DIVIDING WALL
(31) 17382306	2015124172	(73) Cook Medical Technologies LLC
(32) 29.05.2017	(32) 18.06.2015	(72) Spindler, Ralf
(33) European Patent Office (EPO)	19.06.2015	Hilas, Georgios
(51) A61C 8/00	(33) Japan	(31) 201762452622 P
(11) EP3386426	Japan	(32) 31.01.2017
(21) EP16813055.7	(51) A61C 17/34	(33) United States of America
(47) 16.09.2020	A61C 17/40	
(87) CH2016000153	(11) EP3313323	(51) A61F 2/06
15.06.2017	(21) EP16741666.8	A61F 2/07
(22) 05.12.2016	(47) 16.09.2020	A61F 2/89
(54) DENTAL IMPLANT SYSTEM	(87) FR2016051556	A61F 2/90
(73) Z-Systems AG	29.12.2016	(11) EP3326582
(72) THOMKE, Ernst	(22) 24.06.2016	(21) EP17275186.9
STAUDENMANN, Roger	(54) ELECTRIC TOOTHBRUSH WITH ORBITAL MOTION	(47) 16.09.2020
DI GIROLAMO, Rubino	(73) Villaume, Michel	(22) 23.11.2017
(31) 17862015	(72) Villaume, Michel	(54) STENT GRAFT WITH TOP MESH STENT
(32) 08.12.2015	(31) 1501322	(73) Cook Medical Technologies LLC
(33) Switzerland	1650157	(72) Bradway, Ryan
(51) A61C 13/00	(32) 24.06.2015	(31) 201662427621 P
A61C 13/01	08.01.2016	(32) 29.11.2016
(11) EP3525718	(33) France	(33) United States of America
(21) EP17778294.3	France	
(47) 16.09.2020	(51) A61D 17/00	(51) A61F 2/07
(87) EP2017075214	(11) EP2943146	(11) EP3342372
19.04.2018	(21) EP13818481.7	(21) EP17275195.0
(22) 04.10.2017	(47) 16.09.2020	(47) 16.09.2020
(54) PRE-FORMED PROSTHESIS BASE BLANK EMBEDDED IN WAX	(87) NL2013050893	(22) 19.12.2017
(73) Kulzer GmbH	17.07.2014	(54) LOW PROFILE STENT GRAFT HAVING A CHECK VALVE
(72) RUPPERT, Klaus	(22) 12.12.2013	(73) Cook Medical Technologies LLC
(31) 102016119598	(54) METHOD AND SYSTEM FOR GENERATING AN OESTRUS ATTENTION SIGNAL FOR A CATTLE ANIMAL	(72) Baxter, Charlie L.
(32) 14.10.2016	(73) Lely Patent N.V.	KRATZBERG, Jarin A.
(33) Germany	(72) VAN DER KAMP, Adolf Jan	(31) 201662439586 P
(51) A61C 13/34	KOOL, Pieter Neelus	(32) 28.12.2016
(11) EP2793737	VAN DER TOL, Patrick Philip Jacob	(33) United States of America
(21) EP12813357.6	(31) 2010098	(51) A61F 2/16
(47) 16.09.2020	(32) 09.01.2013	(11) EP3131500
(87) EP2012076598	(33) Netherlands	(21) EP13817715.9
27.06.2013		(47) 16.09.2020
(22) 21.12.2012	(51) A61D 19/02	(87) HU2013000108
(54) METHOD FOR MANUFACTURING A DENTAL WORKING MODEL AND SUPPORTING FRAME FOR A DENTAL WORKING MODEL	(11) EP3148479	28.05.2015
(73) DENTSPLY SIRONA Inc.	(21) EP15732809.7	(22) 20.11.2013
(72) GEBHARDT, Andreas	(47) 16.09.2020	(54) PRELOADED INJECTOR WITH ROTATABLE MEMBER FOR STORING AND INJECTING HYDROPHOBIC INTRA OCULAR LENSES
HAIZMANN, Martin	(87) FR2015051395	(73) Medcontur Orvostechikai KFT.
HÖRHOLD, Heiner	03.12.2015	(72) HANGYA, Péter
HOCK, Elmar	(22) 27.05.2015	KONTUR, László
VÖLKL, Lothar	(54) STRAW FOR PRESERVING A PREDEFINED DOSE OF A LIQUID SUBSTANCE, IN PARTICULAR DILUTED ANIMAL SEMEN; AND SYSTEM COMPRISING SUCH A STRAW AND A DILUTION MEDIUM FOR PRODUCING SUCH A SUBSTANCE	
FECHER, Stefan	(31) 2010098	(51) A61F 2/16
(31) 102011057029	(32) 09.01.2013	(11) EP3123979
(32) 23.12.2011	(33) Netherlands	(21) EP15769275.7
(33) Germany	(51) A61D 19/02	(47) 16.09.2020
(51) A61C 17/22	(11) EP3148479	(87) BR2015000035
A61C 17/34	(21) EP15732809.7	01.10.2015
(11) EP3510970	(47) 16.09.2020	(22) 23.03.2015
(21) EP19158343.4	(87) FR2015051395	(54) INTRAOCULAR LENS
(47) 16.09.2020	03.12.2015	(73) Mediphacos Indústrias Médicas S/A
(22) 09.06.2016	(22) 27.05.2015	(72) CAMARGOS, Marcelo Duarte
(54) ELECTRIC TOOTHBRUSH DEVICE AND METHOD	(54) STRAW FOR PRESERVING A PREDEFINED DOSE OF A LIQUID SUBSTANCE, IN PARTICULAR DILUTED ANIMAL SEMEN; AND SYSTEM COMPRISING SUCH A STRAW AND A DILUTION MEDIUM FOR PRODUCING SUCH A SUBSTANCE	(31) 201461971867 P
(73) Colgate-Palmolive Company	(73) IMV Technologies	201514644747
Omron Healthcare Co., Ltd.	(72) SCHMITT, Eric	(32) 28.03.2014
(72) YOSHIDA, Hideaki	(31) 1454894	11.03.2015
	(32) 28.05.2014	(33) United States of America
	(33) France	
	(51) A61F 2/06	
	A61F 2/07	
	(11) EP3354230	
	(21) EP17207478.3	
	(47) 16.09.2020	

United States of America	(54) PROSTHETIC HEART VALVE	KALAYCI, Veli E.
(51) A61F 2/24	(73) Edwards Lifesciences Corporation	HEBERT, Michael J.
(11) EP3281608	(72) LEVI, Tamir	ELSAYED, Yehya A.
(21) EP17191957.4	NGUYEN, Son, V.	DALLAS, Andrew J.
(47) 16.09.2020	BENICHO, Netanel	MULDER, David W.
(22) 11.02.2013	MAIMON, David	(31) 41244 P
(54) MEDICAL PRODUCT COMPRISING A	YOHANAN, Ziv	414951
FRAME AND VISCERAL PLEURA	GUROVICH, Nik	(32) 01.04.2008
(73) CVDevices, LLC	FELSEN, Bella	31.03.2009
(72) KASSAB, Ghassan	DADONKIN, Larisa	(33) United States of America
NAVIA, Jose	(31) 201161508513 P	United States of America
JORDANA, Jorge	39010710 P	(51) A61F 5/442
BERWICK, Zachary	(32) 15.07.2011	A61F 5/445
(31) 201261597406 P	05.10.2010	A61H 35/00
201261640381 P	(33) United States of America	(11) EP3203946
(32) 10.02.2012	United States of America	(21) EP15818075.2
30.04.2012	(51) A61F 2/28	(47) 16.09.2020
(33) United States of America	A61L 27/02	(87) NL2015050678
United States of America	A61L 27/14	14.04.2016
(51) A61F 2/24	A61L 27/54	(22) 30.09.2015
(11) EP3570782	A61L 27/58	(54) DEVICE FOR CLEANING A STOMA IN
(21) EP18740993.3	(11) EP2953581	A HUMAN OR ANIMAL BODY
(47) 16.09.2020	(21) EP14749065.0	(73) Stomydo B.V.
(87) US2018014918	(47) 16.09.2020	(72) COX, Peter Jacobus Marie
26.07.2018	(87) US2014014832	(31) 2013602
(22) 23.01.2018	14.08.2014	(32) 09.10.2014
(54) COVERED PROSTHETIC HEART	(22) 05.02.2014	(33) Netherlands
VALVE	(54) IMPLANTABLE DEVICES FOR BONE	(51) A61F 7/00
(73) Edwards Lifesciences Corporation	OR JOINT DEFECTS	A61F 7/08
(72) HAIVATOV, Sara	(73) University of Utah Research Foundation	F24H 1/20
PERLMUTTER, Khen	(72) BROOKS, Amanda	F24H 9/18
PATEL, Darshin, S.	GRAINGER, David	F24H 9/20
MANASH, Boaz	SINCLAIR, Kristofer D.	(11) EP3376130
CHADHA, Ajay	BROOKS, Benjamin	(21) EP15908119.9
CHU, Waina, Michelle	(31) 201361761086 P	(47) 16.09.2020
CHHE, Chambory	(32) 05.02.2013	(87) CN2015094877
SCHWARTZ, Evan, T.	(33) United States of America	18.05.2017
PAWAR, Sandip, Vasant	(51) A61F 2/88	(22) 18.11.2015
(31) 201762449320 P	A61L 31/10	(54) FLUID BAG CAPABLE OF BEING
201762520703 P	A61F 2/07	HEATED
201762535724 P	A61F 2/82	(73) Amato, David John
201815876053	(11) EP3261589	Zhang, Huiquan
(32) 23.01.2017	(21) EP16756335.2	(72) Amato, David John
16.06.2017	(47) 16.09.2020	Zhang, Huiquan
21.07.2017	(87) US2016019487	(31) 201510774117
19.01.2018	01.09.2016	(32) 13.11.2015
(33) United States of America	(22) 25.02.2016	(33) China
United States of America	(54) LAYERED MEDICAL APPLIANCES	(51) A61F 9/00
United States of America	(73) Merit Medical Systems, Inc.	A61L 27/08
United States of America	(72) HALL, John	A61L 27/34
(51) A61F 2/24	MOWER, Wayne	A61L 27/50
(11) EP3459500	SIMMONS, Rachel	A61L 31/02
(21) EP18195912.3	DOLMATCH, Bart	A61L 31/10
(47) 16.09.2020	(31) 201562121187 P	A61L 31/14
(22) 23.09.2011	(32) 26.02.2015	A61N 1/00
(54) REPLACEMENT HEART VALVES AND	(33) United States of America	(11) EP3268057
DELIVERY DEVICES	(51) A61F 5/441	(21) EP16709027.3
(73) Edwards Lifesciences CardiAQ LLC	B01D 39/00	(47) 16.09.2020
(72) QUADRI, Arshad	B01D 46/02	(87) EP2016054964
RATZ, J. Brent	B01D 46/24	15.09.2016
(31) 38565110 P	(11) EP3028684	(22) 09.03.2016
(32) 23.09.2010	(21) EP16150548.2	(54) METHOD OF FORMING A MEDICAL
(33) United States of America	(47) 16.09.2020	DEVICE COMPRISING GRAPHENE
(51) A61F 2/24	(22) 01.04.2009	(73) Centre National de la Recherche
(11) EP3485848	(54) ENCLOSURE VENTILATION FILTER	Scientifique
(21) EP18210741.7	AND ASSEMBLY METHOD	Université Grenoble Alpes
(47) 16.09.2020	(73) DONALDSON COMPANY, INC.	(72) KALITA, Dipankar
(22) 05.10.2011	(72) KELENY, Lloyd G	BOUCHIAT, Vincent

MARTY, Laetitia BENDIAB, Nedjma (31) 15305351 (32) 09.03.2015 (33) European Patent Office (EPO)	NICOLINI, Derek HARTWELL, Edward Yerbury (31) 201008347 (32) 19.05.2010 (33) United Kingdom	(22) 07.05.2018 (54) STOPPING DEVICE OF A PATIENT TRANSPORT DEVICE AND SEAT BELT DEVICE OF A PATIENT RETENTION DEVICE AND A PATIENT TRANSPORT SYSTEM
(51) A61F 9/008 A61F 9/009 (11) EP2688532 (21) EP12713299.1 (47) 16.09.2020 (87) IB2012000549 27.09.2012 (22) 20.03.2012 (54) APPARATUS AND METHOD FOR CONTROL OF REFRACTIVE INDEX CHANGES IN A MATERIAL (73) Technolas Perfect Vision GmbH (72) KANDULLA, Jochen (31) 201161467263 P 201213423919 (32) 24.03.2011 19.03.2012 (33) United States of America United States of America	(51) A61F 13/15 A61F 13/53 A61F 13/534 A61F 13/537 (11) EP2528567 (21) EP11705432.0 (47) 16.09.2020 (87) EP2011000391 04.08.2011 (22) 28.01.2011 (54) FLEXIBLE, HIGHLY ABSORBENT MATERIAL (73) Glatfelter Falkenhagen GmbH (72) RÖTTGER, Henning LUTTER, Stefanie EHMKE, Ralf (31) 657982 102010006228 (32) 28.01.2010 28.01.2010 (33) United States of America Germany	(73) Mefina Medical GmbH & Co. KG (72) Keller, Andreas (31) 102017207909 (32) 10.05.2017 (33) Germany
(51) A61F 11/00 (11) EP3076910 (21) EP14868610.8 (47) 16.09.2020 (87) IL2014051049 11.06.2015 (22) 03.12.2014 (54) EARWAX REMOVAL DEVICE (73) Earways Medical Ltd (72) KRAITZER, Amir FAHN, Miri (31) 201361910989 P 201462015556 P (32) 03.12.2013 23.06.2014 (33) United States of America United States of America	(51) A61F 13/15 B65G 47/248 B65G 47/86 B65H 5/12 (11) EP3480145 (21) EP16908809.3 (47) 16.09.2020 (87) JP2016070658 18.01.2018 (22) 13.07.2016 (54) CONVEYING DEVICE AND METHOD FOR MANUFACTURING DISPOSABLE WEARABLE ARTICLE USING SAME (73) Zuiko Corporation (72) TSUJIMOTO, Yoshiaki	(51) A61G 3/08 (11) EP3153142 (21) EP16192462.6 (47) 16.09.2020 (22) 05.10.2016 (54) DEVICE FOR ACTIVATING THE QUICK RELEASE OF A STRETCHER FOR AMBULANCE (73) Spencer Italia S.R.L. (72) PIZZI SPADONI, Luigi Cesare (31) UB20154188 (32) 07.10.2015 (33) Italy
(51) A61F 11/08 (11) EP1765237 (21) EP05758481.5 (47) 16.09.2020 (87) US2005020858 29.12.2005 (22) 13.06.2005 (54) HIGH SOUND ATTENUATING HEARING PROTECTION DEVICE (73) 3M Innovative Properties Company (72) FALCO, Robert, N. KNAUER, Richard SEVILLE, Alan, R. (31) 866212 (32) 11.06.2004 (33) United States of America	(51) A61F 13/49 A61F 13/496 A61F 13/532 A61F 13/533 (11) EP3244853 (21) EP16701371.3 (47) 16.09.2020 (87) US2016012148 21.07.2016 (22) 05.01.2016 (54) ABSORBENT PANT WITH ADVANTAGEOUSLY-CHANNELED ABSORBENT CORE STRUCTURE AND BULGE-REDUCING FEATURES (73) The Procter & Gamble Company (72) NISHIKAWA, Masaharu LAVON, Gary Dean (31) 201514598783 (32) 16.01.2015 (33) United States of America	(51) A61G 5/02 A61G 5/10 A63B 22/06 A63B 22/20 G01L 5/16 (11) EP3434243 (21) EP17836550.8 (47) 16.09.2020 (87) JP2017013037 08.02.2018 (22) 29.03.2017 (54) WHEEL FRAME, DRIVING WHEEL, WHEELCHAIR, ERGOMETER, AND MEASUREMENT SYSTEM (73) Honda Motor Co., Ltd. (72) GOMI, Hiroshi SODEYAMA, Yoshinao TAKADO, Junji UEMATSU, Hiroshi TAKENAKA, Toru (31) 2016151895 (32) 02.08.2016 (33) Japan
(51) A61F 13/02 (11) EP3287106 (21) EP17191516.8 (47) 16.09.2020 (22) 21.04.2011 (54) WOUND PROTECTION (73) Smith & Nephew plc (72) ADIE, Gordon Campbell COLLINSON, Sarah Jenny FRYER, Christopher John PERON, Yannick Louis	(51) A61G 1/02 A61G 1/044 A61G 1/056 (11) EP3400921 (21) EP18170985.8 (47) 16.09.2020	(51) A61G 5/12 A61G 5/14 A63B 23/035 A63B 23/04 (11) EP2956107 (21) EP14752172.8 (47) 16.09.2020 (87) IL2014050157 21.08.2014 (22) 13.02.2014 (54) SIT-TO-STAND APPARATUS (73) Elnatan, Debby (72) Elnatan, Debby (31) 201361765054 P (32) 15.02.2013 (33) United States of America
		(51) A61G 17/007 A61G 17/08 E04H 13/00 (11) EP3209262 (21) EP15853598.9

(47) 16.09.2020	(54) INFLATABLE SPA	(11) EP3452001
(87) CA2015051070	(73) Intex Marketing Ltd.	(21) EP17725323.4
28.04.2016	(72) LIN, Hua Hsiang	(47) 16.09.2020
(22) 22.10.2015	HSU, Yaw Yuan	(87) FR2017051044
(54) MEMORIAL OBJECT AND METHOD OF	(31) 201320428910 U	09.11.2017
MAKING THE SAME	201320745798 U	(22) 02.05.2017
(73) Les Espaces Memoria Inc.	201320745863 U	(54) DEVICE AND METHOD FOR
8078041 Canada Inc.	201320745887 U	PACKAGING SOLID MEDICAMENTS,
(72) BISSON, Diane	201320746974 U	DEVICE FOR STORING AND
(31) 2868552	201320796506 U	DISPENSING SUCH MEDICAMENTS,
(32) 22.10.2014	201320888403 U	AND DISPENSING METHOD
(33) Canada	201320888639 U	(73) Distraimed
<hr/>	201320892855 U	(72) FOUBET, Grégory
(51) A61H 1/02	201410017358	FOUBET, Michel
A63B 21/00	201420023673 U	FOUBET, Olivier
A63B 21/005	201420050705 U	(31) 1654048
A63B 21/02	201420375437 U	1753755
A63B 22/00	(32) 18.07.2013	(32) 04.05.2016
A63B 23/035	21.11.2013	28.04.2017
A63B 23/12	21.11.2013	(33) France
A63B 71/00	21.11.2013	France
A63B 71/06	21.11.2013	<hr/>
(11) EP3213731	21.11.2013	(51) A61J 1/06
(21) EP15854158.1	05.12.2013	A61J 1/14
(47) 16.09.2020	30.12.2013	A61J 1/16
(87) JP2015078919	30.12.2013	A61M 5/00
06.05.2016	30.12.2013	A61M 5/20
(22) 13.10.2015	15.01.2014	A61M 5/24
(54) TRAINING APPARATUS AND NON-	15.01.2014	A61M 5/28
THERAPEUTIC METHOD FOR	26.01.2014	B65D 85/30
CORRECTING FORCE MAGNITUDE	08.07.2014	(11) EP2777683
(73) Teijin Pharma Limited	(33) China	(21) EP12847356.8
(72) OSHIMA, Osamu	China	(47) 16.09.2020
OHMATSU, Hiroaki	China	(87) JP2012006572
FUJITA, Fumi	China	16.05.2013
MAEDA, Akihiro	China	(22) 12.10.2012
TAKEDA, Jun	China	(54) STORAGE CASE FOR
(31) 2014220071	China	PHARMACEUTICAL PREPARATION
(32) 29.10.2014	China	SYRINGE UNIT
(33) Japan	China	(73) PHC Holdings Corporation
<hr/>	China	(72) IIO, Toshiaki
(51) A61H 33/00	China	TAKABATAKE, Yukihiko
A61H 33/02	China	(31) 2011246777
F16L 9/19	China	(32) 10.11.2011
F16L 33/035	China	(33) Japan
F16L 37/098	(51) A61J 1/00	<hr/>
F16L 37/56	B65B 5/06	(51) A61J 1/10
F16L 39/02	(11) EP3157490	A61J 1/18
F16L 41/02	(21) EP15809907.7	G06Q 10/08
(11) EP3543576	(47) 16.09.2020	G06Q 50/22
(21) EP19163856.8	(87) US2015036129	G16H 40/20
(47) 16.09.2020	23.12.2015	(11) EP2651367
(22) 19.03.2019	(22) 17.06.2015	(21) EP11854112.7
(54) DUAL PLUMBING SYSTEM FOR A HOT	(54) AFFIXED GROUPS OF	(47) 16.09.2020
TUB OR SPA	PHARMACEUTICAL VIALS INCLUDING	(87) SE2011051366
(73) Wexco Incorporated	FRANGIBLE CONNECTORS	05.07.2012
(72) COLLINS, Samuel Jeffery	(73) Tokitae LLC	(22) 15.11.2011
KROLL, Daniel Jacob	(72) BOOMGARD, John	(54) MEDICAL PACKAGE, SYSTEM AND
BACKER, Scott Stephen	CHOU, Fong-Li	METHOD FOR MANAGING MEDICAL
(31) 201815926873	ECKHOFF, Philip A.	PACKAGE
(32) 20.03.2018	LARUSSON, Fridrik	(73) Tridentify AB
(33) United States of America	LIU, Shiang	(72) Sandvik, Leif
<hr/>	NATARAJAN, Krishnan	Strandberg, Christian
(51) A61H 33/02	PETERSON, Nels R.	Oskarsson, Thomas
E04H 4/00	WOOD, Lowell L., Jr.	Gramming, Magnus
(11) EP3021721	(31) 201414306443	(31) 1001195
(21) EP14826258.7	(32) 17.06.2014	(32) 16.12.2010
(47) 16.09.2020	(33) United States of America	(33) Sweden
(87) US2014047252	(51) A61J 1/03	<hr/>
22.01.2015	A61J 7/00	(51) A61J 1/10
(22) 18.07.2014		A61M 16/08

A61M 16/20	(21) EP17805173.6	(47) 16.09.2020
A61M 39/24	(47) 16.09.2020	(87) KR2017002743
A61M 39/26	(87) EP2017080310	12.10.2017
(11) EP2941291	28.06.2018	(22) 14.03.2017
(21) EP14700047.5	(22) 24.11.2017	(54) COSMETIC COMPOSITION FOR
(47) 16.09.2020	(54) WATER-IN-OIL EMULSION	CONCEALING WRINKLES
(87) EP2014050062	CONTAINING BAICALIN, A XANTHINE	(73) LG Household & Health Care Ltd.
10.07.2014	BASE, A VITAMIN B3, AND A	(72) CHOI, Minsung
(22) 03.01.2014	POLYVALENT METAL CATION SALT	SONG, Young-Sook
(54) IMPROVEMENTS IN RELATION TO	(73) L'Oréal	PARK, Sun Gyoo
VALVES	(72) LI, Hong	(31) 20160041203
(73) Intersurgical AG	(31) 1662977	(32) 04.04.2016
(72) MILLER, Andrew Neil	(32) 21.12.2016	(33) Korea (Republic)
(31) 201300068	(33) France	<hr/>
(32) 03.01.2013	(51) A61K 8/02	(51) A61K 8/04
(33) United Kingdom	A61K 8/37	A61K 8/19
(51) A61J 1/14	A61Q 1/14	A61K 8/40
A61J 3/00	(11) EP3215110	A61K 8/84
A61J 7/00	(21) EP15714108.6	A61Q 17/00
A61J 15/00	(47) 16.09.2020	(11) EP3003249
A61M 5/142	(87) US2015021136	(21) EP14734848.6
A61M 5/31	12.05.2016	(47) 16.09.2020
(11) EP3273927	(22) 18.03.2015	(87) FI2014050430
(21) EP16714176.1	(54) CLEANSING COMPOSITIONS	04.12.2014
(47) 16.09.2020	(73) Johnson & Johnson Consumer Inc.	(22) 28.05.2014
(87) US2016023771	(72) GRECO, Joseph James	(54) METHOD FOR PRODUCING LOW
29.09.2016	KAMINSKI, Claudia	ALCOHOL CONTENT DISINFECTION
(22) 23.03.2016	MAITRA, Prithwiraj	FOAMS
(54) ORAL ADMINISTRATION FLUID	SHAH, Snehal M.	(73) Nolla Antimicrobial Limited
COUPLER	FERRARA, Christopher Paul	(72) PÖYRY, Juha-Pekka
(73) Neomed, Inc.	(31) 201462074691 P	NIEMINEN, Jyri
(72) DAVIS, Benjamin, Martin	(32) 04.11.2014	(31) 20135578
INGRAM, Aaron, N.	(33) United States of America	(32) 28.05.2013
COSTELLO, Mark, M.	(51) A61K 8/02	(33) Finland
(31) 201562137293 P	A61K 8/73	<hr/>
201562192726 P	A61K 8/891	(51) A61K 8/21
(32) 24.03.2015	A61Q 5/12	A61K 8/27
15.07.2015	(11) EP3532166	A61K 8/34
(33) United States of America	(21) EP17777051.8	A61K 8/35
United States of America	(47) 16.09.2020	A61K 8/365
(51) A61K 6/18	(87) EP2017074777	A61Q 11/00
A61K 6/898	03.05.2018	A61Q 17/00
(11) EP3574887	(22) 29.09.2017	(11) EP3454824
(21) EP19176915.7	(54) A PERSONAL CARE COMPOSITION	(21) EP17734620.2
(47) 16.09.2020	COMPRISING PARTICLES	(47) 16.09.2020
(22) 28.05.2019	(73) Unilever N.V.	(87) US2017038508
(54) ASTRINGENT ALUMINUM-	(72) JONES, Christopher, Clarkson	28.12.2017
FREE RETRACTION PASTE FOR	PAN, Xiaoyun	(22) 21.06.2017
PROFESSIONAL DENTAL USE	YUAN, Su	(54) ORAL CARE COMPOSITION
(73) VOCO GmbH	ZHANG, Qiqing	(73) Colgate-Palmolive Company
(72) Wolfkühler, Denis	(31) PCT/CN2016/103834	(72) YANG, Ying
Plaumann, Manfred Thomas	16205435	CHEN, Dandan
(31) 102018112996	(32) 28.10.2016	D'AMBROGIO, Robert
(32) 30.05.2018	20.12.2016	THOMSON, Paul
(33) Germany	(33) World Intellectual Property Office (WIPO)	TRIVEDI, Harsh Mahendra
(51) A61K 8/02	European Patent Office (EPO)	PRENCIPE, Michael
A61K 8/06	(51) A61K 8/04	MASTERS, James Gerard
A61K 8/19	A61K 8/06	JARACZ, Stanislav
A61K 8/26	A61K 8/37	(31) 201662354279 P
A61K 8/37	A61K 8/89	(32) 24.06.2016
A61K 8/40	A61K 8/891	(33) United States of America
A61K 8/49	A61K 8/895	<hr/>
A61K 8/67	A61K 8/92	(51) A61K 8/26
A61K 8/891	A61Q 1/00	A61K 8/28
A61K 8/895	A61Q 19/00	A61K 8/44
A61Q 1/02	A61Q 19/08	A61Q 11/00
A61Q 17/04	(11) EP3441061	A61Q 15/00
(11) EP3558216	(21) EP17779281.9	C01F 7/56
		C01G 25/00
		C02F 1/52
		(11) EP3185844

(21) EP14781029.5	A61K 8/34	SYFERT, Scott, William
(47) 16.09.2020	A61K 8/368	WAGERS, Shannon, Dale
(87) US2014057634	A61K 8/37	MASON, Brent, William
31.03.2016	A61K 8/49	(31) 201462077679 P
(22) 26.09.2014	A61Q 13/00	(32) 10.11.2014
(54) ALUMINUM CHLOROHYDRATE SALTS	A61Q 19/00	(33) United States of America
EXHIBITING HIGH SEC PEAK 1	A61K 8/9789	(51) A61K 8/34
(73) Colgate-Palmolive Company	(11) EP3446676	A61K 8/37
(72) DUBOVOY, Viktor	(21) EP16899513.2	A61Q 19/00
PAN, Long	(47) 16.09.2020	(11) EP3294262
(51) A61K 8/27	(87) KR2016004092	(21) EP16721435.2
A61K 8/41	26.10.2017	(47) 16.09.2020
A61K 8/42	(22) 20.04.2016	(87) EP2016060474
A61K 8/49	(54) AROMA COMPOSITION	24.11.2016
A61K 8/86	(73) LG Household & Health Care Ltd.	(22) 10.05.2016
A61K 8/891	(72) KANG, Sunghwi	(54) LIQUID COOLING COMPOSITIONS
A61Q 5/00	YUN, Bo Im	(73) Symrise AG
A61Q 5/12	(51) A61K 8/31	(72) DOSKOTZ, Eike
(11) EP3411009	A61K 8/37	HIELSCHER, Thorsten
(21) EP17701069.1	A61K 8/41	ENGELBRECHT, Andreas
(47) 16.09.2020	A61K 8/73	PÜTTCHER, Andrea
(87) EP2017050578	A61K 8/92	MACHINEK, Arnold
10.08.2017	A61Q 5/10	(31) 15167910
(22) 12.01.2017	(11) EP2830584	(32) 15.05.2015
(54) A HAIR CONDITIONING COMPOSITION	(21) EP13715168.4	(33) European Patent Office (EPO)
COMPRISING POLOXAMER AND ZINC	(47) 16.09.2020	(51) A61K 8/34
ANTI-DANDRUFF AGENT	(87) EP2013056590	A61K 8/44
(73) UNILEVER N.V.	03.10.2013	A61K 31/05
(72) CAO, Qunhua	(22) 27.03.2013	A61K 31/20
LIU, Jian	(54) COMPOSITION COMPRISING	A61Q 17/00
TANG, Shengnan	(2,5-DIAMINOPHENYL)ETHANOL	A61Q 19/00
SUBRAMANIAN, Raghupathi	AND A CELLULOSE POLYMER OR	A61Q 19/08
(31) PCT/CN2016/073109	CARBOXYLIC ANIONIC POLYMER	A61K 8/97
PCT/EP2016/162282	IN A MEDIUM RICH IN FATTY	(11) EP2560734
(32) 01.02.2016	SUBSTANCES, DYEING PROCESS	(21) EP11709143.9
24.03.2016	AND DEVICE	(47) 16.09.2020
(33) World Intellectual Property Office (WIPO)	(73) L'OREAL	(87) EP2011054327
World Intellectual Property Office (WIPO)	(72) ALLARD, Delphine	27.10.2011
(51) A61K 8/30	NICOU, Valérie	(22) 22.03.2011
A61K 8/34	ROLLAT, Isabelle	(54) COSMETIC OR DERMATOLOGICAL
A61K 31/047	(31) 1252925	PREPARATIONS CONTAINING
A61P 17/00	1252947	COMBINATIONS OF MAGNOLIA BARK
A61Q 19/10	201261640270 P	EXTRACT AND ACYL GLUTAMATES
(11) EP3195851	201261700977 P	(73) Beiersdorf AG
(21) EP15853159.0	(32) 30.03.2012	(72) SCHLÄGER, Torsten
(47) 16.09.2020	30.03.2012	ECKERT, Julia
(87) KR2015011120	30.04.2012	NEUFANG, Gitta
28.04.2016	14.09.2012	PETERS, Nils
(22) 21.10.2015	(33) France	WÖHRMANN, Michael
(54) COMPOSITION CONTAINING	France	HEUSER, Stefan
MESO-2,3-BUTANEDIOL	United States of America	(31) 102010015790
(73) Amorepacific Corporation	United States of America	(32) 20.04.2010
(72) BAEK, Heung Soo	(51) A61K 8/31	(33) Germany
WOO, Byeong Yung	A61K 8/73	(51) A61K 8/34
YOO, Se Jin	A61K 8/90	A61Q 19/10
JOO, Yung Hyup	A61K 8/92	C07C 35/18
SHIN, Song Seok	A61Q 19/00	C11B 9/00
OH, Mi Hyun	A61Q 19/10	(11) EP3490966
LEE, John Hwan	(11) EP3217948	(21) EP17746071.4
KIM, Seo Young	(21) EP15797564.0	(47) 16.09.2020
(31) 20140142818	(47) 16.09.2020	(87) EP2017068999
20140142817	(87) US2015059922	01.02.2018
(32) 21.10.2014	19.05.2016	(22) 27.07.2017
21.10.2014	(22) 10.11.2015	(54) 6-ISOPROPYL-2,4-
(33) Korea (Republic)	(54) PERSONAL CARE COMPOSITIONS	DIMETHYLCYCLOHEXEN-1-OL
Korea (Republic)	WITH TWO BENEFIT PHASES	COMPOUNDS AS FRAGRANCE
(51) A61K 8/31	(73) The Procter & Gamble Company	INGREDIENTS
A61K 8/33	(72) WEI, Karl, Shiqing	(73) Givaudan SA

(72) LOVCHIK, Martin Alan ZELENAY, Veronika	02.11.2011 03.01.2012	(87) EP2017079738 31.05.2018
(31) 201613013	(33) United States of America	(22) 20.11.2017
(32) 27.07.2016	United States of America	(54) PHARMACEUTICAL PARENTERAL FORMULATION CONTAINING
(33) United Kingdom	United States of America	CARGLUMIC ACID
(51) A61K 8/37	(51) A61K 9/00	(73) RECORDATI INDUSTRIA CHIMICA E FARMACEUTICA S.P.A.
A61Q 13/00	(11) EP3155024	(72) BERLATI, Fabio
A61Q 19/00	(21) EP15806017.8	MENEGON, Sergio
C07C 9/14	(47) 16.09.2020	FARINA, Pierluigi
C07C 9/16	(87) US2015035423	PROVVEDINI, Diego
C11B 9/00	17.12.2015	BARCHIELLI, Marco
(11) EP3247691	(22) 11.06.2015	MATTEI, Alberto
(21) EP16740848.3	(54) RESIDENCE STRUCTURES AND RELATED METHODS	(31) 16199942
(47) 16.09.2020	(73) Massachusetts Institute Of Technology The Brigham and Women's Hospital, Inc.	(32) 22.11.2016
(87) US2016014557	(72) BELLINGER, Andrew	(33) European Patent Office (EPO)
28.07.2016	ZHANG, Shiyi	(51) A61K 9/00
(22) 22.01.2016	TRAVERSO, Carlo, Giovanni	A61K 9/08
(54) FRAGRANCE AND FLAVOR COMPOSITIONS COMPRISING NEOPENTYL GLYCOL DIACETATE	LANGER, Robert, S.	A61K 9/20
(73) P2 Science, Inc.	MO, Stacy	A61K 31/415
(72) FOLEY, Patrick	GRANT, Tyler	A61K 47/02
SALAM, Tania	JAFARI, Mousa	A61P 35/00
YANG, Yonghua	GLETTIG, Dean Liang	C07D 401/12
(31) 201562107219 P	DICICCIO, Angela	C07D 401/14
201562181480 P	WOOD, Lowell L. Jr.	(11) EP3555063
(32) 23.01.2015	ECKHOFF, Philip A.	(21) EP17811299.1
18.06.2015	(31) 201462010992 P	(47) 16.09.2020
(33) United States of America	(32) 11.06.2014	(87) EP2017081899
United States of America	(33) United States of America	21.06.2018
(51) A61K 8/46	(51) A61K 9/00	(22) 07.12.2017
A61K 8/49	A61K 9/06	(54) 6-AMINO-QUINOLINONE COMPOUNDS AND DERIVATIVES AS BCL6 INHIBITORS
A61K 31/5377	A61K 31/14	(73) Boehringer Ingelheim International GmbH
A61Q 19/08	A61K 31/164	(72) STEURER, Steffen
A61K 8/9789	A61K 31/415	DAHMANN, Georg
A61K 8/9794	A61K 31/4174	KERRES, Nina
(11) EP3272329	A61K 31/695	KOEGL, Manfred
(21) EP17186761.7	A61K 31/7048	(31) 16203746
(47) 16.09.2020	A61K 33/30	(32) 13.12.2016
(22) 13.06.2011	A61K 36/28	(33) European Patent Office (EPO)
(54) COMPOSITIONS AND METHODS FOR STIMULATION MAGP-1 TO IMPROVE THE APPEARANCE OF SKIN	A61K 36/48	(51) A61K 9/00
(73) Avon Products, Inc.	A61K 36/81	A61K 9/08
(72) ZHENG, Qian	A61K 36/886	A61K 9/48
CHEN, Siming W.	A61K 38/56	A61K 9/70
SANTHANAM, Uma	A61K 45/06	A61K 31/19
LYGA, John W.	A61P 17/00	A61K 31/191
(31) 360083 P	(11) EP3283093	A61K 31/506
(32) 30.06.2010	(21) EP15717170.3	A61K 45/06
(33) United States of America	(47) 16.09.2020	A61P 35/00
(51) A61K 8/67	(87) EP2015058451	A23L 33/10
A61K 31/07	20.10.2016	(11) EP3241551
A61K 38/05	(22) 17.04.2015	(21) EP15875540.5
C07K 5/06	(54) COMBINATION OF AT LEAST ONE PROTEASE INHIBITOR AND DEXPANTHENOL FOR USE IN THE PREVENTION AND/OR TREATMENT OF SKIN LESIONS	(47) 16.09.2020
(11) EP3415157	(73) Eurodrug Laboratories B.V.	(87) KR2015013191
(21) EP18186827.4	(72) ASSANDRI, Alessandro	07.07.2016
(47) 16.09.2020	(51) A61K 9/00	(22) 04.12.2015
(22) 31.10.2012	A61K 9/08	(54) PHARMACEUTICAL COMPOSITION FOR TREATING CANCER, CONTAINING LACTATE METAL SALT
(54) N-ACYLDIPEPTIDE DERIVATIVES AND THEIR USES	A61K 9/19	(73) Metimedi Pharmaceuticals Co., Ltd
(73) NeoStrata Company, Inc.	A61K 31/198	(72) KIM, Hwan Mook
(72) Yu, Ruey J.	A61K 47/26	JEONG, Keun Yeong
Van Scott, Eugene J.	A61K 47/18	SIM, Jae Jun
(31) 201161552751 P	(11) EP3544584	JANG, Yeong Su
201161554724 P	(21) EP17800854.6	(31) 20140192158
201261582675 P	(47) 16.09.2020	
(32) 28.10.2011		

20150142828	(73) Livieri, Federica	(21) EP16808196.6
(32) 29.12.2014	Angeletti, Barbara	(47) 16.09.2020
13.10.2015	(72) LIVIERI, Federica	(87) US2016036461
(33) Korea (Republic)	CAVALLO, Giovanni	15.12.2016
Korea (Republic)	MORSIANI, Andrea	(22) 08.06.2016
(51) A61K 9/00	(31) 201700030588	(54) FORMULATIONS FOR SMALL
A61K 9/08	(32) 20.03.2017	INTESTINAL DELIVERY OF RSV AND
A61K 31/282	(33) Italy	NOROVIRUS ANTIGENS
A61K 31/4015	(51) A61K 9/00	(73) Vaxart, Inc.
A61K 31/555	A61K 9/107	(72) TRAGER, George
A61K 47/02	A61K 38/40	TUCKER, Sean
A61K 47/26	A61K 45/06	KIM, Leesun
A61P 35/00	A61K 47/26	SCALLAN, Ciaran
(11) EP3313392	A61P 25/04	(31) 201562175081 P
(21) EP16815194.2	A61P 43/00	(32) 12.06.2015
(47) 16.09.2020	A23L 33/115	(33) United States of America
(87) US2016038699	A61K 47/14	(51) A61K 9/00
29.12.2016	(11) EP3117838	A61K 31/164
(22) 22.06.2016	(21) EP15760929.8	A61K 31/197
(54) PLATINUM COMPOUNDS,	(47) 16.09.2020	A61K 31/352
COMPOSITIONS, AND USES	(87) JP2015057059	A61K 31/4174
THEREOF	17.09.2015	A61K 31/505
(73) Placon Therapeutics, Inc.	(22) 10.03.2015	A61K 47/02
(72) ALARGOVA, Rossitza G.	(54) COMPOSITION CONTAINING	A61K 47/36
BILODEAU, Mark T.	SOPHOROLIPID, PHYSIOLOGICALLY	A61P 11/02
WOOSTER, Richard	ACTIVE SUBSTANCE AND OIL AND	A61K 47/18
MOREAU, Benoît	FAT, AND METHOD OF PRODUCING	A61K 47/34
WHALEN, Kerry	SAID COMPOSITION	A61K 47/44
RAMSTACK, J. Michael	(73) Saraya Co., Ltd.	(11) EP3300722
ROCKWOOD, Danielle N.	(72) SUZUKI, Yasushi	(21) EP17203038.9
LIM SOO, Patrick	TABATA, Hiromitsu	(47) 16.09.2020
SINGH, Sukhjeet	RYU, Mizuyuki	(22) 25.06.2015
AU YEUNG, Tsun P.	ISHII, Nanase	(54) COMPOSITION FOR NASAL
LEMELIN, Charles-Andre	TAKEUCHI, Takashi	APPLICATION CONTAINING CINEOL
CUSTER, Linda M.	MATSUMURA, Yasuki	(73) Maria Clementine Martin Klosterfrau
(31) 201562183403 P	MATSUMIYA, Kentaro	Vertriebsgesellschaft mbH
201562268666 P	(31) 2014046015	(72) UNKAUF, Markus
(32) 23.06.2015	(32) 10.03.2014	(31) 102014012040
17.12.2015	(33) Japan	102014012278
(33) United States of America	(51) A61K 9/00	102014013145
United States of America	A61K 9/20	102014013189
(51) A61K 9/00	A61K 9/28	102014116903
A61K 9/10	A61K 31/4184	(32) 18.08.2014
A61K 9/70	A61K 31/4439	22.08.2014
A61K 31/192	(11) EP2722034	10.09.2014
A61K 31/355	(21) EP13189185.5	11.09.2014
A61K 33/12	(47) 16.09.2020	19.11.2014
A61K 36/61	(22) 17.10.2013	(33) Germany
A61K 47/02	(54) ORAL PHARMACEUTICAL	Germany
A61K 47/06	FORMULATIONS COMPRISING	Germany
A61K 47/12	DABIGATRAN	Germany
A61K 47/22	(73) Sanovel Ilac Sanayi ve Ticaret A.S.	Germany
A61K 47/26	(72) Türkyilmaz, Ali	(51) A61K 9/00
A61K 47/32	Turp, Ali Hasan	A61K 31/196
A61K 47/36	Saydam, Mehtap	A61K 31/70
A61P 25/00	(31) 201212083	A61K 31/704
A61P 31/10	201311483	A61K 47/26
A61K 47/10	(32) 19.10.2012	A61P 19/02
A61K 47/18	01.10.2013	A61P 21/00
(11) EP3378474	(33) Turkey	A61P 25/04
(21) EP18162313.3	Turkey	A61P 29/00
(47) 16.09.2020	(51) A61K 9/00	A61K 47/10
(22) 16.03.2018	A61K 9/20	(11) EP2908801
(54) COMPOSITION FOR THE USE IN	A61K 9/28	(21) EP13789205.5
THE TREATMENT OF PLANTAR	A61K 39/00	(47) 16.09.2020
HYPERHIDROSIS PREDISPOSING TO	A61K 39/12	(87) EP2013071925
CUTANEOUS FUNGAL INFECTION OF	A61K 48/00	01.05.2014
THE FOOT	(11) EP3307239	(22) 21.10.2013

(54) STABLE INJECTABLE COMPOSITION CONTAINING DICLOFENAC AND THIOCOLCHICOSIDE	(21) EP15200393.5 (47) 16.09.2020 (22) 16.12.2015	(54) NOVEL LIPIDS AND LIPID NANOPARTICLE FORMULATIONS FOR DELIVERY OF NUCLEIC ACIDS
(73) Epifarma Srl (72) IRIANNI, Giuseppe MACELLONI, Cristina TESESCI, Luca	(54) HYGIENIC POWDER FOR USE IN THE FARROWING AREA OF SOWS (73) DSM IP Assets B.V. (72) DE VRIENDT, Dirk (31) 14198915 (32) 18.12.2014 (33) European Patent Office (EPO)	(73) Acuitas Therapeutics Inc. (72) ANSELL, Steven, M. DU, Xinyao (31) 201462016839 P (32) 25.06.2014 (33) United States of America
(31) MI20121782 (32) 22.10.2012 (33) Italy		
(51) A61K 9/00 A61K 31/216 A61K 36/74 A61P 3/04	(51) A61K 9/00 A61K 47/32 A61K 47/38 A61K 47/14	(51) A61K 9/14 A61K 9/16 A61K 31/20 A61K 31/23 (11) EP3068383
(11) EP3050561 (21) EP15179206.6 (47) 16.09.2020 (22) 30.07.2015	(11) EP3027172 (21) EP14762113.0 (47) 16.09.2020 (87) PT2014000050 05.02.2015 (22) 31.07.2014	(21) EP14861440.7 (47) 16.09.2020 (87) US2014065693 21.05.2015 (22) 14.11.2014
(54) COMPOSITIONS OF CHLOROGENIC ACID AND METHODS FOR MAKING AND USING THE SAME IN OBESITY MANAGEMENT	(54) ORAL DISPERSIBLE FILMS	(54) SOLID COMPOSITIONS OF TRIGLYCERIDES AND USES THEREOF
(73) Kodimule, Shyam Prasad Harakanahalli, Lingaraju Basavegowda	(73) Bluepharma - Industria Farmacêutica, S.A.	(73) Ultragenyx Pharmaceutical Inc.
(72) Kodimule, Shyam Prasad Harakanahalli, Lingaraju Basavegowda	(72) SILVA BORGES, Ana Filipa ALMEIDA SILVA, Branca Margarida JORDÃO COELHO, Jorge Fernando SOUSA SILVA, Cláudia SIMÕES, Sérgio Paulo	(72) KLOPP, John MORRIS, Gabrielle KAKKIS, Emil JUNGLES, Steven
(31) 201462031135 P (32) 30.07.2014 (33) United States of America	(31) 201361860516 P (32) 31.07.2013 (33) United States of America	(31) 201361904369 P (32) 14.11.2013 (33) United States of America
(51) A61K 9/00 A61K 31/375 A61K 31/765 A61K 33/04 A61K 33/14 A61P 1/10 A61K 47/10	(31) 201361860516 P (32) 31.07.2013 (33) United States of America (51) A61K 9/127 A61K 31/713 A61K 47/22 A61K 48/00 A61P 1/16 A61P 11/00 A61P 13/12 A61P 43/00 C07D 205/04 C12N 15/113	(51) A61K 9/14 A61K 31/137 A61K 31/46 A61K 31/56 A61K 31/58 (11) EP2560620 (21) EP11718765.8 (47) 16.09.2020 (87) GB2011000631 27.10.2011 (22) 21.04.2011
(11) EP3116494 (21) EP15709665.2 (47) 16.09.2020 (87) EP2015054856 17.09.2015 (22) 09.03.2015	(11) EP3162794 (21) EP15814545.8 (47) 16.09.2020 (87) JP2015068778 07.01.2016 (22) 30.06.2015	(87) GB2011000631 27.10.2011 (22) 21.04.2011 (54) A PROCESS FOR PARTICLE PROCESSING OF ACTIVE PHARMACEUTICAL INGREDIENTS
(54) METHOD OF CLEANSING THE COLON	(21) EP15814545.8 (47) 16.09.2020 (87) JP2015068778 07.01.2016 (22) 30.06.2015	(73) Hovione Inter Ltd (72) GIL, Marco CACELA, Constanca MENDONCA, Ricardo GASPAR, Filipe
(73) Norgine BV	(54) ALKYL SUBSTITUTED AZETIDINES AS CATIONIC LIPID	(31) 2010105058 (32) 21.04.2010 (33) Portugal
(72) CLAYTON, Lucy COCKETT, Alasdair CHRISTODOULOU, Mark DAVIDSON, Ian FARRAG, Lynn HALPHEN, Marc JONES, Leighton PETROSSIAN, Vanik STEIN, Peter TISI, David UNGAR, Alex WORTHINGTON, Jeffrey	(73) Kyowa Kirin Co., Ltd. (72) HOSOE, Shintaro NAOI, Tomoyuki (31) 2014133913 (32) 30.06.2014 (33) Japan	(51) A61K 9/14 B01F 7/00 B01F 15/00 (11) EP3470133 (21) EP17196270.7 (47) 16.09.2020 (22) 13.10.2017
(31) 201414202098 (32) 10.03.2014 (33) United States of America	(51) A61K 9/127 C07C 219/06 C07C 219/08 C07C 219/10 C07C 229/16 C07D 295/13 A61K 47/50 (11) EP3160938 (21) EP15730023.7 (47) 16.09.2020 (87) US2015034496 30.12.2015 (22) 05.06.2015	(54) DIRECT PROBE SENSED TEMPERATURE METHOD FOR SPEED CHANGE FOR HEAT SENSITIVE PORTIONS OF A THERMOKINETICALLY MELT BLENDED BATCH (73) Dispersol Technologies, LLC (72) Brough, Chris
(51) A61K 9/00 A61K 47/02 A61P 1/12 A61P 17/00 A61P 19/02 A61P 37/04 A61P 39/00 A61K 35/744 (11) EP3034069		(51) A61K 9/16 A61K 9/20

A61K 31/19	A61K 35/12	(72) DUAN, Jian-Xin
A61P 1/04	(11) EP3285783	CAO, Yeyu
A61P 35/00	(21) EP16824826.8	CAI, Xiaohong
(11) EP2114391	(47) 16.09.2020	JIAO, Hailong
(21) EP08705167.8	(87) US2016029122	MA, Jing Yuan
(47) 16.09.2020	19.01.2017	MATTEUCCI, Mark
(87) PL2008000008	(22) 25.04.2016	(31) 201562131163 P
31.07.2008	(54) BILAYERED DEVICES FOR	201562255916 P
(22) 22.01.2008	ENHANCED HEALING	(32) 10.03.2015
(54) A PREPARATION CONTAINING	(73) University of Florida Research	16.11.2015
SODIUM BUTYRATE AND THE	Foundation, Inc.	(33) United States of America
APPLICATION OF A PREPARATION	Sharklet Technologies, Inc.	United States of America
CONTAINING SODIUM BUTYRATE	(72) MAGIN, Chelsea Marie	<hr/>
(73) Bielek SP. z o.o.	BRENNAN, Anthony B.	(51) A61K 31/047
(72) BORYCKA, Katarzyna	WILLENBERG, Bradley Jay	A61K 31/07
KICIAK, Adam	SCHULTZ, Gregory Scott	A61K 31/202
KOTUNIA, Anna, Maria	NEALE, Dylan Burton	A61K 45/06
MICHALOWSKI, Pawel, Andrzej	(31) 201562151875 P	A61P 27/02
VALVERDE PIEDRA, Jose, Luis	201562151936 P	A61P 43/00
ZABIELSKI, Romuald	201562261407 P	A23K 20/179
(31) 38160307	(32) 23.04.2015	A23K 50/75
(32) 25.01.2007	23.04.2015	A23L 15/00
(33) Poland	01.12.2015	A23L 33/105
<hr/>	(33) United States of America	A23L 33/115
(51) A61K 9/19	United States of America	A23L 33/15
A61K 35/62	United States of America	A23L 33/16
A61P 25/28	United States of America	(11) EP3372280
A61P 43/00	(51) A61K 31/00	(21) EP18167176.9
A23L 33/17	A61K 31/11	(47) 16.09.2020
(11) EP3216456	A61K 38/00	(22) 05.07.2012
(21) EP15856572.1	A61K 38/55	(54) IMPROVEMENTS IN OR RELATING TO
(47) 16.09.2020	A61K 39/02	VISUAL PERFORMANCE
(87) JP2015080934	A61P 3/04	(73) Howard Foundation Holdings Limited
12.05.2016	(11) EP3076986	(72) NOLAN, John
(22) 02.11.2015	(21) EP14806658.2	BEATTY, Stephen
(54) TAU PROTEIN PRODUCTION	(47) 16.09.2020	LOUGHMAN, James
ACCELERATOR, AND THERAPEUTIC	(87) EP2014076654	HOWARD, Alan
OR PREVENTIVE AGENT FOR	11.06.2015	THURNHAM, David
DISEASES CAUSED BY TAU PROTEIN	(22) 04.12.2014	(31) 201111624
DEFICIENCY	(54) BACTERIAL INFLUENCE OF HOST	201111625
(73) Well Stone Co.	FEEDING AND EMOTION VIA CLPB	201207922
(72) ISHII Yoichi	PROTEIN MIMICRY OF A-MSH	201207923
NEMOTO Takayuki	(73) Institut National de la Santé et de la	(32) 07.07.2011
OKAMOTO Takeshi	Recherche Médicale	07.07.2011
(31) 2014223977	Universite de Rouen	05.05.2012
(32) 04.11.2014	Centre Hospitalier Universitaire de	05.05.2012
(33) Japan	Rouen	(33) United Kingdom
<hr/>	(72) FETISSOV, Sergueï	United Kingdom
(51) A61K 9/70	TENNOUNE, Naouel	United Kingdom
A61K 47/12	CHAN-TCHI-SONG, Philippe	United Kingdom
A61K 47/32	DE, Emmanuelle	<hr/>
A61K 47/14	DECHELOTTE, Pierre	(51) A61K 31/05
A61K 47/34	(31) 13306673	A61K 31/343
(11) EP3266451	(32) 05.12.2013	A61K 36/8905
(21) EP16758781.5	(33) European Patent Office (EPO)	A61P 3/04
(47) 16.09.2020	(51) A61K 31/04	(11) EP3291805
(87) JP2016055010	A61K 31/06	(21) EP15891398.8
09.09.2016	A61K 31/664	(47) 16.09.2020
(22) 22.02.2016	A61P 35/00	(87) US2015065441
(54) ADHESIVE PLASTER	C07F 9/24	10.11.2016
(73) Hisamitsu Pharmaceutical Co., Inc.	G01N 33/574	(22) 14.12.2015
(72) FUJIWARA, Yoko	(11) EP3277380	(54) COMPOSITION COMPRISING
YASUKOCHI, Takashi	(21) EP16762438.6	SCIRPUSIN A AND SCIRPUSIN B AND
TAKAGI, Yuka	(47) 16.09.2020	ANTI-OBESITY POTENTIAL THEREOF
(31) 2015040347	(87) US2016021581	(73) Sami Labs Limited
(32) 02.03.2015	15.09.2016	(72) MAJEED, Muhammed
(33) Japan	(22) 09.03.2016	NAGABHUSHANAM, Kalyanam
<hr/>	(54) DNA ALKYLATING AGENTS	KALMAN, Douglas
(51) A61K 9/70	(73) OBI PHARMA, INC.	BHAT, Beena
A61L 15/42		VAIDYANATHAN, Priti
A61L 15/60		

- BANI, Sarang
PANDEY, Anjali
KARRI, Suresh
(31) 201514705111
(32) 06.05.2015
(33) United States of America
-
- (51) A61K 31/12
A61K 31/713
A61K 39/395
A61K 45/06
A61P 35/00
C07K 16/28
C12N 15/113
A61K 47/69
(11) EP2825198
(21) EP13760370.0
(47) 16.09.2020
(87) US2013032153
19.09.2013
(22) 15.03.2013
(54) Glut-1 targeted and curcumin loaded micelles
(73) Immix Corporation
(72) SENN, Sean
RACHMAN, Ilya
(31) 201261611529 P
201261701018 P
(32) 15.03.2012
14.09.2012
(33) United States of America
United States of America
-
- (51) A61K 31/15
A61K 31/16
A61K 31/165
A61K 31/443
A61K 31/47
A61P 1/18
A61P 11/00
A61P 11/06
C07C 251/86
(11) EP3302455
(21) EP16804124.2
(47) 16.09.2020
(87) US2016034662
08.12.2016
(22) 27.05.2016
(54) 2-AMINO-N'-
BENZYLIDENEACETOHYDRAZIDES
AND DERIVATIVES FOR THE
MANAGEMENT OF CFTR PROTEIN
MEDIATED DISEASES
(73) Emory University
Bar-Ilan University
(72) MCCARTY, Nael
CUI, Guiying
SENDEROWITZ, Hanoch
KHAZANOV, Netaly
(31) 201562168022 P
(32) 29.05.2015
(33) United States of America
-
- (51) A61K 31/155
A61K 31/194
A61K 31/198
A61K 31/201
A61K 31/353
A61K 31/4709
A61K 31/575
A61K 31/7016
- A61K 31/7032
A61K 31/704
A61P 1/00
A61P 3/00
A61P 3/04
A61P 3/10
A61P 7/12
A61P 19/10
A61P 21/00
A61P 25/24
A61P 37/00
(11) EP2661266
(21) EP12732408.5
(47) 16.09.2020
(87) US2012020548
12.07.2012
(22) 06.01.2012
(54) CHEMOSENSORY RECEPTOR
LIGAND-BASED THERAPIES
(73) Anji Pharma (US) LLC
(72) BARON, Alain D.
BROWN, Martin R.
JONES, Christopher R. G.
BEELEY, Nigel R. A.
FINEMAN, Mark S.
(31) 201161430914 P
(32) 07.01.2011
(33) United States of America
-
- (51) A61K 31/16
A61K 31/22
A61K 31/357
A61K 31/695
A61P 33/00
C07C 57/00
C07C 59/00
C07C 233/00
C07C 235/00
C07D 317/60
C07F 7/08
(11) EP3209639
(21) EP15805326.4
(47) 16.09.2020
(87) IN2015050140
28.04.2016
(22) 21.10.2015
(54) COMPOUNDS AS ANTI-MALARIALS
AND THEIR PROCESS OF
PREPARATION
(73) Council of Scientific and Industrial
Research
(72) BHATTACHARYA, Asish Kumar
ARATIKATLA, Eswar Kumar
SRIVASTAVA, Kumkum
MANHAS, Ashan
(31) 3005DE2014
(32) 21.10.2014
(33) India
-
- (51) A61K 31/221
A61P 9/00
C07C 229/34
(11) EP3317248
(21) EP15744416.7
(47) 16.09.2020
(87) US2015039010
05.01.2017
(22) 02.07.2015
(54) SACUBITRIL CALCIUM SALTS
(73) Novartis AG
- (72) HOOK, David
HU, Bin
KLEINBECK, Florian Karl
MEIER, Ulrich
MUELLER, Sibylle
MUTZ, Jean-Paul
SCHLOMACH, Jan
SUTTON, Paul Allen
WAYKOLE, Liladhar Murlidhar
WIETFELD, Bernhard
-
- (51) A61K 31/282
A61K 31/337
A61K 31/519
A61K 31/555
A61K 31/7068
A61K 45/06
A61P 35/00
A61K 33/24
(11) EP2996773
(21) EP14797156.8
(47) 16.09.2020
(87) US2014037888
20.11.2014
(22) 13.05.2014
(54) ADMINISTRATION OF NEDD8-
ACTIVATING ENZYME INHIBITOR AND
CHEMOTHERAPEUTIC AGENTS
(73) Millennium Pharmaceuticals, Inc.
(72) BERGER, Allison
LIGHTCAP, Eric, S.
(31) 201361822994 P
201361874393 P
201361891943 P
(32) 14.05.2013
06.09.2013
17.10.2013
(33) United States of America
United States of America
United States of America
-
- (51) A61K 31/381
A61K 31/4355
A61K 31/437
A61P 35/00
C07D 209/12
C07D 307/80
C07D 307/81
C07D 333/56
C07D 403/12
C07D 405/04
C07D 405/12
C07D 409/12
C07D 471/04
C07D 487/04
C07D 491/04
C07D 495/04
(11) EP3313817
(21) EP16730854.3
(47) 16.09.2020
(87) EP2016064418
29.12.2016
(22) 22.06.2016
(54) BICYCLIC DERIVATIVES, A PROCESS
FOR THEIR PREPARATION AND
PHARMACEUTICAL COMPOSITIONS
CONTAINING THEM
(73) Les Laboratoires Servier
Vernalis (R&D) Limited
(72) BÁLINT, Balázs

CSÉKEI, Márton	GRILLO, Anthony, S.	(51) A61K 31/436
SZABÓ, Zoltán	(31) 201462074878 P	C07D 231/54
SZLÁVIK, Zoltán	(32) 04.11.2014	C07D 403/04
KOTSCHY, András	(33) United States of America	C07D 487/04
CHANRION, Maïa	(51) A61K 31/4184	C07D 487/10
GENESTE, Olivier	A61K 31/428	C07D 491/052
CHEN, I-Jen	A61K 31/519	C07D 491/147
DAVIDSON, James Edward Paul	A61P 35/00	(11) EP3548468
MURRAY, James Brooke	C07D 235/06	(21) EP17811812.1
SIPOS, Szabolcs	C07D 401/06	(47) 16.09.2020
ONDI, Levente	C07D 495/04	(87) US2017063554
PROSZENYÁK, Ágnes	(11) EP3303346	07.06.2018
(31) 1555750	(21) EP16800699.7	(22) 29.11.2017
(32) 23.06.2015	(47) 16.09.2020	(54) TRICYCLIC RHO KINASE INHIBITORS
(33) France	(87) US2016034286	(73) Bristol-Myers Squibb Company
(51) A61K 31/403	01.12.2016	(72) YANG, Wu
A61K 31/404	(22) 26.05.2016	GLUNZ, Peter, W.
A61K 31/438	(54) TUBULIN-BINDING COMPOUNDS,	BHIDE, Rajeev, S.
C07D 209/04	COMPOSITIONS AND USES RELATED	THIYAGARAJAN, Kamalraj
C07D 209/08	THERETO	(31) 201662427875 P
C07D 209/10	(73) The Regents of the University of	(32) 30.11.2016
C07D 209/18	California	(33) United States of America
C07D 209/24	(72) TORRES, Jorge	(51) A61K 31/437
C07D 209/58	DAMOISEAUX, Robert	A61P 9/00
C07D 209/60	YEATES, Todd, O.	A61P 11/00
C07D 277/62	SENESE, Silvia	A61P 25/28
C07D 277/64	MCNAMARA, Dan, E.	A61P 29/00
C07D 293/12	LO, Yu-Chen	A61P 35/00
C07D 401/02	(31) 201562167526 P	A61P 37/00
C07D 403/06	201562191738 P	C07D 471/04
C07D 403/14	(32) 28.05.2015	(11) EP3269716
C07D 417/06	13.07.2015	(21) EP17177371.6
C07D 471/10	(33) United States of America	(47) 16.09.2020
C07D 487/22	United States of America	(22) 07.03.2014
A61K 41/00	(51) A61K 31/4196	(54) NOVEL COMPOUNDS AND
(11) EP2850061	A61P 19/06	PHARMACEUTICAL COMPOSITIONS
(21) EP13758184.9	C07D 249/08	THEREOF FOR THE TREATMENT OF
(47) 16.09.2020	C07D 249/12	INFLAMMATORY DISORDERS
(87) US2013028776	(11) EP3290408	(73) Galapagos N.V.
12.09.2013	(21) EP16785934.7	(72) DESROY, Nicolas
(22) 02.03.2013	(47) 16.09.2020	HECKMANN, Bertrand
(54) HALOGENATED INDOLE DERIVATIVES	(87) CN2016080468	BRYNS, Reginald, Christophe, Xavier
FOR PHOTODYNAMIC THERAPY	03.11.2016	JONCOUR, Agnès, Marie
(73) Nanoquantum Sciences Inc.	(22) 28.04.2016	PEIXOTO, Christophe
(72) JONES, Gary, W.	(54) CARBOXYLIC ACID URAT1 INHIBITOR	BOCK, Xavier, Marie
TATARETS, Anatoliy, L.	CONTAINING DIARYLMETHANE	(31) 201361781174 P
PATSENKER, Leonid, D.	STRUCTURE, PREPARATION METHOD	(32) 14.03.2013
(31) 201213411539	AND USE THEREOF	(33) United States of America
(32) 03.03.2012	(73) Tianjin Institute of Pharmaceutical	(51) A61K 31/437
(33) United States of America	Research Co., Ltd.	C07D 213/64
(51) A61K 31/415	(72) ZHAO, Guilong	C07D 217/24
A61P 11/00	LIU, Wei	C07D 223/10
A61P 43/00	SHANG, Qian	C07D 401/04
(11) EP3215151	ZHOU, Zhixing	C07D 401/14
(21) EP15857452.5	WANG, Yuli	C07D 405/04
(47) 16.09.2020	LI, Yuquan	C07D 405/14
(87) US2015058806	ZHANG, Haizhi	C07D 409/14
12.05.2016	LI, Chuan	C07D 413/04
(22) 03.11.2015	LIU, Changying	C07D 413/14
(54) RESTORING PHYSIOLOGY WITH	LIU, Yuqiang	C07D 417/04
SMALL MOLECULE MIMICS OF	XIE, Yafei	C07D 471/04
MISSING PROTEINS	WU, Jingwei	C07D 495/04
(73) The Board of Trustees of the University	CHEN, Huihui	C07D 498/04
of Illinois	XU, Weiren	C07D 513/04
(72) BURKE, Martin, D.	TANG, Lida	(11) EP2903991
CIOFFI, Alexander, G.	(31) 201510216716	(21) EP13843717.3
DIAZ, Katrina, A.	(32) 30.04.2015	(47) 16.09.2020
HOU, Jennifer	(33) China	(87) US2013062910

10.04.2014	MAISHAL, Tarun, Kumar	C07D 211/96
(22) 01.10.2013	THIYAGARAJAN, Kamalraj	C07D 401/12
(54) ANTI-FIBROTIC PYRIDINONES	CHINNAKOTTI, Kumaresan	C07D 417/12
(73) Intermune, Inc.	GLUNZ, Peter, W.	(11) EP3551618
(72) BUCKMAN, Brad Owen	(31) 201662359363 P	(21) EP17811906.1
NICHOLAS, John Beamond	(32) 07.07.2016	(47) 16.09.2020
RAMPHAL, Johnnie Y.	(33) United States of America	(87) EP2017081359
EMAYAN, Kumaraswamy	(51) A61K 31/4439	14.06.2018
SEIWERT, Scott D.	A61P 29/00	(22) 04.12.2017
(31) 201261709075 P	A61P 35/00	(54) SULFONAMIDES AS INHIBITORS OF
201361777499 P	C07D 401/14	THE UPTAKE OF EXTRACELLULAR
201361872157 P	C07D 405/14	CITRATE
(32) 02.10.2012	C07D 409/14	(73) Boehringer Ingelheim International
12.03.2013	C07D 413/14	GmbH
30.08.2013	C07D 417/14	(72) KLEY, Joerg
(33) United States of America	(11) EP3423446	KAUSCHKE, Stefan
United States of America	(21) EP17707049.7	PAUTSCH, Alexander
United States of America	(47) 16.09.2020	WIEDENMAYER, Dieter
(51) A61K 31/4375	(87) EP2017054577	(31) 16203086
A61K 31/519	08.09.2017	(32) 09.12.2016
A61K 31/5377	(22) 28.02.2017	(33) European Patent Office (EPO)
A61K 45/06	(54) NEW 2-SUBSTITUTED INDAZOLES,	(51) A61K 31/451
A61P 35/00	METHODS FOR PRODUCING SAME,	A61P 27/02
C07D 401/12	PHARMACEUTICAL PREPARATIONS	(11) EP2642998
C07D 403/12	THAT CONTAIN SAME, AND USE OF	(21) EP11842785.5
C07D 471/04	SAME TO PRODUCE DRUGS	(47) 16.09.2020
C07D 487/04	(73) Bayer Pharma Aktiengesellschaft	(87) US2011061763
(11) EP3119781	(72) BOTHE, Ulrich	31.05.2012
(21) EP15765295.9	SIEBENEICHER, Holger	(22) 22.11.2011
(47) 16.09.2020	SCHMIDT, Nicole	(54) A NON-RETINOID RBP4 ANTAGONIST
(87) US2015021699	GÜNTHER, Judith	FOR TREATMENT OF AGE-RELATED
24.09.2015	STEUBER, Holger	MACULAR DEGENERATION AND
(22) 20.03.2015	BÖMER, Ulf	STARGARDT DISEASE
(54) COMPOUNDS WHICH INHIBIT RNA	LANGE, Martin	(73) The Trustees of Columbia University in
POLYMERASE, COMPOSITIONS	NUBBEMEYER, Reinhard	the City of New York
INCLUDING SUCH COMPOUNDS, AND	RAY, Nicholas, Charles	(72) PETRUKHIN, Konstantin
THEIR USE	SAVY, Pascal	ALLIKMETS, Rando
(73) The Johns Hopkins University	(31) 16158542	SPARROW, Janet
Lieber Institute For Brain Development	(32) 03.03.2016	(31) 416961 P
(72) LAIHO, Marikki	(33) European Patent Office (EPO)	(32) 24.11.2010
COLIS, Laureen	(51) A61K 31/444	(33) United States of America
BARROW, James C.	A61K 31/555	(51) A61K 31/4545
ERNST, Glen	A61K 31/675	A61K 31/496
SANDERS, Sarah	A61K 45/06	A61K 31/506
(31) 201461968079 P	A61P 25/02	A61P 1/16
201462062197 P	(11) EP3538155	A61P 13/12
(32) 20.03.2014	(21) EP17808794.6	A61P 27/02
10.10.2014	(47) 16.09.2020	C07D 213/72
(33) United States of America	(87) EP2017078982	C07D 213/80
United States of America	17.05.2018	C07D 213/82
(51) A61K 31/438	(22) 13.11.2017	C07D 213/84
A61P 9/00	(54) USE OF NON-TRANSITION METAL	C07D 213/85
C07D 403/10	COORDINATED DIPYRIDOXYL	C07D 239/42
C07D 471/10	COMPOUNDS TO PREVENT AND	C07D 401/04
C07D 491/10	TREAT CHEMOTHERAPY-INDUCED	C07D 401/12
(11) EP3481828	PSN	C07D 401/14
(21) EP17739834.4	(73) Karlsson-Tuner Invest AS	C07D 405/14
(47) 16.09.2020	(72) KARLSSON, Jan-Olof G	C07D 413/14
(87) US2017040852	JYNGE, Per	C07D 417/12
11.01.2018	ANDERSSON, Rolf GG	C07D 417/14
(22) 06.07.2017	(31) 201662497214 P	C07D 451/02
(54) SPIRO-FUSED CYCLIC UREAS AS	(32) 14.11.2016	C07D 487/08
INHIBITORS OF ROCK	(33) United States of America	(11) EP3423436
(73) Bristol-Myers Squibb Company	(51) A61K 31/445	(21) EP16707483.0
(72) BHIDE, Rajeev, S.	A61K 31/454	(47) 16.09.2020
BODAS, Mandar, Shrikrishna	A61K 31/4545	(87) EP2016054541
SHIRUDE, Pravin, Sudhakar	A61P 3/00	08.09.2017
PATIL, Sharanabasappa	A61P 9/00	(22) 03.03.2016

(54) PYRIDINYLMETHYL CARBAMIMIDOYL CARBAMATE DERIVATIVES AND THEIR USE AS AOC3 INHIBITORS	(54) HETEROCYCLIC PROTEIN KINASE INHIBITORS	(31) 3664MU2011 (32) 26.12.2011 (33) India
(73) Boehringer Ingelheim International GmbH	(73) Tolero Pharmaceuticals, Inc.	
(72) HIMMELSBACH, Frank BLUM, Andreas PETERS, Stefan	(72) XU, Yong BRENNING, Benjamin Gary KULTGEN, Steven G. LIU, Xiaohui SAUNDERS, Michael HO, Koc-Kan	(51) A61K 31/506 A61K 31/5365 A61K 31/5375 A61P 29/00 A61P 35/00 A61P 43/00 C07D 403/12 C07D 405/04 C07D 405/14 C07D 471/04 C07D 487/04 C07D 491/04 C07D 498/04
(51) A61K 31/47 A61K 31/495 A61P 33/02 C07D 215/56 C07D 401/02 C07D 401/04 C07D 401/14	(31) 201161510207 P 201161632834 P 201261632826 P 201261608028 P	(11) EP3478673 (21) EP17733469.5 (47) 16.09.2020 (87) EP2017066125 04.01.2018
(11) EP3214083 (21) EP17163383.7 (47) 16.09.2020 (22) 23.09.2009	(32) 21.07.2011 21.07.2011 01.03.2012 07.03.2012	
(54) PROCESS FOR MAKING QUINOLONE COMPOUNDS	(33) United States of America United States of America United States of America United States of America	
(73) Melinta Subsidiary Corp.	(51) A61K 31/4985 A61K 31/53 A61P 29/00 A61P 37/02 C07D 487/04	(22) 29.06.2017 (54) CYANOINDOLINE DERIVATIVES AS NIK INHIBITORS
(72) HANSELMANN, Roger REEVE, Maxwell, M JOHNSON, Graham	(11) EP3377496 (21) EP16805656.2 (47) 16.09.2020 (87) US2016062396 26.05.2017	(73) Janssen Pharmaceutica NV (72) STANSFIELD, Ian QUEROLLE, Olivier, Alexis, Georges LIGNY, Yannick, Aimé, Eddy GROSS, Gerhard, Max JACOBY, Edgar MEERPOEL, Lieven GREEN, Simon, Richard HYND, George KULAGOWSKI, Janusz, Jozef MACLEOD, Calum MANN, Samuel, Edward
(31) 194083 P (32) 24.09.2008 (33) United States of America	(11) EP3377496 (21) EP16805656.2 (47) 16.09.2020 (87) US2016062396 26.05.2017	(72) STANSFIELD, Ian QUEROLLE, Olivier, Alexis, Georges LIGNY, Yannick, Aimé, Eddy GROSS, Gerhard, Max JACOBY, Edgar MEERPOEL, Lieven GREEN, Simon, Richard HYND, George KULAGOWSKI, Janusz, Jozef MACLEOD, Calum MANN, Samuel, Edward
(51) A61K 31/4725 A61P 31/18 C07D 217/06 C07D 401/06 C07D 401/10 C07D 401/14 C07D 405/06 C07D 409/06 C07D 409/14 C07D 417/06 C07D 471/04 C07D 487/04 C07D 495/04	(54) IMIDAZOPYRIDAZINE COMPOUNDS USEFUL AS MODULATORS OF IL-12, IL-23 AND/OR IFN ALPHA RESPONSES	(31) 16177131 16177142 16177147 (32) 30.06.2016 30.06.2016 30.06.2016 (33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO)
(11) EP3478662 (21) EP17743084.0 (47) 16.09.2020 (87) IB2017053879 04.01.2018 (22) 28.06.2017	(73) Bristol-Myers Squibb Company (72) WEINSTEIN, David S. MOSLIN, Ryan M. ZHANG, Yanlei GARDNER, Daniel S. SANTELLA, Joseph B. LANGEVINE, Charles M. STACHURA, Sylwia	
(54) AZADECALIN DERIVATIVES AS INHIBITORS OF HUMAN IMMUNODEFICIENCY VIRUS REPLICATION	(31) 201562256784 P 201662404827 P	(51) A61K 31/515 A61K 31/55 A61K 31/56 A61P 25/00 A61P 25/22 A61P 25/24 (11) EP3125902 (21) EP15774070.5 (47) 16.09.2020 (87) US2015023667 08.10.2015 (22) 31.03.2015
(73) ViiV Healthcare UK (No.5) Limited (72) CHEN, Jie MEANWELL, Nicholas A. REGUEIRO-REN, Alicia SIT, Sing-Yuen SWIDORSKI, Jacob CHEN, Yan	(32) 18.11.2015 06.10.2016 (33) United States of America United States of America	(54) USE OF NEGATIVE MODULATORS OF GABA RECEPTORS CONTAINING ALPHA5 SUBUNITS AS FAST ACTING ANTIDEPRESSANTS
(31) 201662356829 P (32) 30.06.2016 (33) United States of America	(51) A61K 31/506 A61K 31/51 C07D 239/54 C07D 239/55 (11) EP2804607 (21) EP12862643.9 (47) 16.09.2020 (87) IN2012000835 04.07.2013 (22) 21.12.2012	(73) University of Maryland, Baltimore (72) THOMPSON, Scott KVARTA, Mark, D. VAN DYKE, Adam (31) 201461972446 P (32) 31.03.2014 (33) United States of America
(51) A61K 31/497 A61K 31/5025 (11) EP3409278 (21) EP18162853.8 (47) 16.09.2020 (22) 20.07.2012	(54) SYNTHESIS OF RALTEGRAVIR (73) Emcure Pharmaceuticals Limited (72) GURJAR, Mukund Keshav SONAWANE, Swapnil Panditrao MAIKAP, Golakchandra Sudarshan PATIL, Gulabrao Dagadu SHINDE, Shivnath Bhaupatil PATIL, Pankaj Shalikrao MEHTA, Samit Satish	

(51) A61K 31/519	(33) World Intellectual Property Office (WIPO)	HU, Yinghu
A61P 19/02	(51) A61K 31/519	ZHOU, Yilong
A61P 29/00	A61P 31/12	WANG, Zheng
A61P 35/00	A61P 31/14	ZHAO, Rui
A61P 37/00	A61P 31/20	YANG, Ling
C07D 471/04	C07D 487/04	(31) 201610081899
C07D 487/04	(11) EP3381918	(32) 05.02.2016
(11) EP3360878	(21) EP16861614.2	(33) China
(21) EP16872413.6	(47) 16.09.2020	(51) A61K 31/535
(47) 16.09.2020	(87) CN2016104644	C07D 213/79
(87) CN2016109036	11.05.2017	C07D 213/803
15.06.2017	(22) 04.11.2016	C07D 213/84
(22) 08.12.2016	(54) 7-(THIAZOL-5-YL)	(11) EP3166611
(54) AZETIDINE DERIVATIVE,	PYRROLOPYRIMIDINE COMPOUND	(21) EP15818752.6
PREPARATION METHOD THEREFOR,	AS TLR7 AGONIST	(47) 16.09.2020
AND USE THEREOF	(73) Chia Tai Tianqing Pharmaceutical Group	(87) US2015039568
(73) Sichuan Kelun-Biotech	Co., Ltd.	14.01.2016
Biopharmaceutical Co., Ltd.	(72) DING, Zhaozhong	(22) 08.07.2015
(72) XIE, Yinong	SUN, Fei	(54) PROCESS FOR THE PREPARATION
YOU, Zejin	WU, Lifang	OF 4-ALKOXY-3-HYDROXYPICOLINIC
DENG, Zhiwen	WU, Hao	ACIDS
ZHU, Jun	CHEN, Shuhui	(73) Dow AgroSciences LLC
WANG, Ao	YANG, Ling	(72) RENGA, James M.
FENG, Yan	(31) 201510744651	ZHU, Yuanming
LONG, Dong	(32) 05.11.2015	WHITEKER, Gregory T.
ZENG, Hong	(33) China	CHOY, Nakyen
SONG, Hongmei	(51) A61K 31/519	(31) 201462021876 P
YE, Qijun	A61P 31/12	201462021877 P
QI, Wei	C07D 487/04	201462021881 P
SU, Donghai	(11) EP3412671	(32) 08.07.2014
WANG, Lichun	(21) EP17747003.6	08.07.2014
WANG, Jingyi	(47) 16.09.2020	08.07.2014
(31) 201510924946	(87) CN2017072890	(33) United States of America
(32) 11.12.2015	10.08.2017	United States of America
(33) China	(22) 04.02.2017	United States of America
(51) A61K 31/519	(54) TLR7 AGONIST MALEATE SALT,	(51) A61K 31/7028
A61P 25/28	CRYSTALLINE FORMS C, D AND E	A61P 31/04
C07D 487/04	THEREOF, PREPARATION METHODS	C07H 15/04
(11) EP3302484	AND USES OF MALEATE SALT AND	C07K 19/00
(21) EP16804001.2	CRYSTALLINE FORMS	(11) EP3274358
(47) 16.09.2020	(73) Chia Tai Tianqing Pharmaceutical Group	(21) EP16716501.8
(87) US2016033861	Co., Ltd.	(47) 16.09.2020
08.12.2016	(72) DING, Zhaozhong	(87) EP2016056832
(22) 24.05.2016	SUN, Fei	06.10.2016
(54) 6-ALKYL	HU, Yinghu	(22) 29.03.2016
DIHYDROPYRAZOLOPYRIMIDINONE	ZHOU, Yilong	(54) VACCINE AGAINST CARBAPENEM-
COMPOUNDS AS PDE2 INHIBITORS	WANG, Zheng	RESISTANT KLEBSIELLA
(73) Merck Sharp & Dohme Corp.	YANG, Ling	PNEUMONIAE
MSD R&D (China) Co., Ltd.	(31) 201610082030	(73) Max-Planck-Gesellschaft zur Förderung
(72) SHEN, Dong-Ming	(32) 05.02.2016	der Wissenschaften e.V.
DWYER, Michael, P.	(33) China	(72) SEEBERGER, Peter
SINZ, Christopher, J.	(51) A61K 31/519	PEREIRA, Claney Lebev
WANG, Deping	A61P 31/12	XIAO, Guozhi
STACHEL, Shawn, J.	C07D 487/04	KHAN, Naeem
PAONE, Daniel, V.	(11) EP3412674	ANISH, Chakkumkal
FORSTER, Ashley	(21) EP17747007.7	(31) 15161528
BERGER, Richard	(47) 16.09.2020	(32) 27.03.2015
SHIPE, William, D.	(87) CN2017072894	(33) European Patent Office (EPO)
CHEN, Yili	10.08.2017	(51) A61K 31/7056
QIAN, Yimin	(22) 04.02.2017	A61K 31/713
XU, Shimin	(54) TRIFLUOROACETATE SALT OF A TLR7	C07H 15/26
HU, Chunmei	AGONIST AND CRYSTALLINE FORM B	A61K 47/54
FU, Jianmin	THEREOF, PREPARATION METHODS	(11) EP2844662
GUO, Zhigang	AND USES	(21) EP13784726.5
LI, Haitang	(73) Chia Tai Tianqing Pharmaceutical Group	(47) 16.09.2020
BO, Yingjian	Co., Ltd.	(87) US2013039072
(31) PCT/CN2015/080267	(72) DING, Zhaozhong	07.11.2013
(32) 29.05.2015	SUN, Fei	(22) 01.05.2013

<p>(54) TETRAGALNAC AND PEPTIDE CONTAINING CONJUGATES AND METHODS FOR DELIVERY OF OLIGONUCLEOTIDES</p> <p>(73) Sirna Therapeutics, Inc.</p> <p>(72) TELLERS, David COLLETTI, Steven, L. DUDKIN, Vadim AARONSON, Jeffrey MOMOSE, Aaron TUCKER, Thomas, Joseph YUAN, Yu CALATI, Kathleen, B. TIAN, Lu PARMAR, Rubina, G. SHAW, Anthony, W. WANG, Weimin STORR, Rachel, Anne BUSUEK, Marina KOWTONIUK, Robert, A.</p> <p>(31) 201261641741 P (32) 02.05.2012 (33) United States of America</p> <hr/> <p>(51) A61K 31/7088 A61K 48/00 A61P 43/00 C12N 15/00 C12N 15/113</p> <p>(11) EP3431591 (21) EP17763398.9 (47) 16.09.2020 (87) JP2017009566 14.09.2017 (22) 09.03.2017</p> <p>(54) NUCLEIC ACID OLIGOMER FOR RNA HYBRID FORMATION</p> <p>(73) Tokyo University of Science Foundation</p> <p>(72) WADA, Takeshi YOSHINO, Reiji HARA, Rintaro NUKAGA, Yohei</p> <p>(31) 2016046181 (32) 09.03.2016 (33) Japan</p> <hr/> <p>(51) A61K 31/7088 A61P 31/20</p> <p>(11) EP3315608 (21) EP16813742.0 (47) 16.09.2020 (87) CN2016087034 29.12.2016 (22) 24.06.2016</p> <p>(54) SIRNA, PHARMACEUTICAL COMPOSITION AND CONJUGATE WHICH CONTAIN SIRNA, AND USES THEREOF</p> <p>(73) Suzhou Ribo Life Science Co., Ltd.</p> <p>(72) ZHANG, Hongyan GAO, Shan HUANG, Yuanyu</p> <p>(31) 201510364229 (32) 26.06.2015 (33) China</p> <hr/> <p>(51) A61K 31/713 A61P 35/00 C12N 15/113</p> <p>(11) EP3289084 (21) EP16780820.3</p>	<p>(47) 16.09.2020 (87) US2016027723 20.10.2016 (22) 15.04.2016</p> <p>(54) siRNA INHIBITION OF HUMAN ANTIGEN R EXPRESSION FOR TREATMENT OF CANCER</p> <p>(73) Genisphere, LLC Lankenau Institute for Medical Research</p> <p>(72) GETTS, Robert C. SAWICKI, Janet</p> <p>(31) 201562148869 P (32) 17.04.2015 (33) United States of America</p> <hr/> <p>(51) A61K 31/713 C12N 15/113</p> <p>(11) EP3277813 (21) EP16715897.1 (47) 16.09.2020 (87) IB2016051674 06.10.2016 (22) 24.03.2016</p> <p>(54) NOVEL THERAPY</p> <p>(73) Linnane Pharma AB (72) SVANBORG, Catharina PUTHIA, Manoj</p> <p>(31) 201505382 (32) 29.03.2015 (33) United Kingdom</p> <hr/> <p>(51) A61K 31/727 A61K 38/19 A61K 38/20 A61K 38/21 A61K 38/36 A61K 38/48 A61K 39/00 A61K 45/06 A61P 13/12 C07K 16/18</p> <p>(11) EP3160504 (21) EP15812106.1 (47) 16.09.2020 (87) US2015037086 30.12.2015 (22) 23.06.2015</p> <p>(54) ANTI-HISTONE THERAPY FOR VASCULAR NECROSIS IN SEVERE GLOMERULONEPHRITIS</p> <p>(73) Immunomedics, Inc.</p> <p>(72) KUMAR, Santhosh V. R. ANDERS, Hans-Joachim</p> <p>(31) 201462016277 P (32) 24.06.2014 (33) United States of America</p> <hr/> <p>(51) A61K 36/02 A61K 36/06 A61K 36/064 A61P 31/04 A61K 35/74 A61K 35/742 A61K 35/747</p> <p>(11) EP3244902 (21) EP16712714.1 (47) 16.09.2020 (87) CZ2016000007 21.07.2016 (22) 15.01.2016</p>	<p>(54) DUAL MICROBIAL PREPARATION FOR LONG-TERM SUPPRESSION OR PREVENTION OF SYMPTOMS OF OPPORTUNISTIC MICROBIAL INFECTIONS</p> <p>(73) Bio Agens Research And Development - Bard, S.R.O.</p> <p>(72) SUCHÁNEK, Martin KLIMES, Radim</p> <p>(31) 20150023 (32) 16.01.2015 (33) Czech Republic</p> <hr/> <p>(51) A61K 38/00 A61K 38/17 C07K 14/47</p> <p>(11) EP2542569 (21) EP11706287.7 (47) 16.09.2020 (87) EP2011053309 09.09.2011 (22) 04.03.2011</p> <p>(54) CHIMERIC INHIBITOR MOLECULES OF COMPLEMENT ACTIVATION</p> <p>(73) Omeros Corporation (72) GARRED, Peter GLUE, Tina Hummelshøj SKJØDT, Mikkel-Ole</p> <p>(31) 10155621 311024 P</p> <p>(32) 05.03.2010 05.03.2010 (33) European Patent Office (EPO) United States of America</p> <hr/> <p>(51) A61K 38/00 A61P 9/00 A61P 9/12 C07K 1/00 C07K 7/08 C12N 15/00</p> <p>(11) EP3287468 (21) EP15889516.9 (47) 16.09.2020 (87) CN2015077301 27.10.2016 (22) 23.04.2015</p> <p>(54) TWO CONOTOXIN PEPTIDES, PREPARATION METHODS THEREFOR, AND APPLICATIONS THEREOF</p> <p>(73) BGI Shenzhen (72) LIU, Jie LIN, Zhilong WEN, Bo TONG, Ting MO, Fen</p> <hr/> <p>(51) A61K 38/00 A61P 31/18 C07K 14/16 A61K 47/54 A61K 47/60</p> <p>(11) EP3399994 (21) EP17702975.8 (47) 16.09.2020 (87) US2017012640 13.07.2017 (22) 06.01.2017</p> <p>(54) D-PEPTIDE INHIBITORS OF HIV ENTRY AND METHODS OF USE</p> <p>(73) Navigen, Inc.</p>
---	---	--

University of Utah Research Foundation	United States of America	C12N 1/00
(72) WELCH, Brett, D.	(51) A61K 38/16	C12N 5/10
FRANCIS, James, Nicholas	A61P 25/00	C12N 5/077
KAY, Michael, S.	A23L 5/00	A61K 35/33
(31) 201662276201 P	A23L 33/17	(11) EP3168297
201662372257 P	(11) EP3266317	(21) EP15819754.1
(32) 07.01.2016	(21) EP16759163.5	(47) 16.09.2020
08.08.2016	(47) 16.09.2020	(87) JP2015050028
(33) United States of America	(87) KR2016002123	14.01.2016
United States of America	09.09.2016	(22) 05.01.2015
(51) A61K 38/00	(22) 03.03.2016	(54) CARDIAC CELL CULTURE MATERIAL
C07K 14/47	(54) COMPOSITION FOR PREVENTING,	(73) Metcela Inc.
A61K 47/60	IMPROVING OR TREATING	(72) MATSUURA, Katsuhisa
(11) EP2358746	NEUROLOGICAL DISORDERS,	IWAMIYA, Takahiro
(21) EP09756279.7	CONTAINING OSMOTIN PEPTIDE AS	(31) 2014142804
(47) 16.09.2020	ACTIVE INGREDIENT	(32) 11.07.2014
(87) EP2009064483	(73) Industry-Academic Cooperation	(33) Japan
03.06.2010	Foundation Gyeongsang National	(51) A61K 38/18
(22) 03.11.2009	University	A61K 38/19
(54) BINDING PROTEINS INHIBITING THE	(72) KIM, Myeong Ok	C12N 5/071
VEGF-A RECEPTOR INTERACTION	(31) 20150030455	A61K 35/50
(73) Molecular Partners AG	(32) 04.03.2015	(11) EP2981273
(72) BINZ, Hans Kaspar	(33) Korea (Republic)	(21) EP14779851.6
FORRER, Patrik	(51) A61K 38/17	(47) 16.09.2020
STUMPP, Michael Tobias	A61K 48/00	(87) US2014032696
(31) 08168166	A61P 37/06	09.10.2014
(32) 03.11.2008	A61K 35/12	(22) 02.04.2014
(33) European Patent Office (EPO)	A61K 35/17	(54) COMPOSITIONS AND METHODS
(51) A61K 38/14	(11) EP2872184	FOR INDUCTION AND MODULATION
A61K 39/08	(21) EP13816739.0	OF ANGIOGENESIS AND METHODS
A61P 35/00	(47) 16.09.2020	AND ASSAYS FOR IDENTIFYING
C07K 16/18	(87) US2013050293	ANGIOGENESIS MODULATORS
A61K 47/50	16.01.2014	(73) University of Florida Research
A61K 47/54	(22) 12.07.2013	Foundation, Inc.
(11) EP3244910	(54) CART19 FOR USE IN A METHOD	(72) MCFETRIDGE, Peter, S.
(21) EP16737990.8	TO DEplete NORMAL B CELLS TO	MOORE, Marc, C.
(47) 16.09.2020	INDUCE TOLERANCE	(31) 201361807401 P
(87) US2016013668	(73) The Trustees of The University of	(32) 02.04.2013
21.07.2016	Pennsylvania	(33) United States of America
(22) 15.01.2016	(72) LEVINE, Bruce, L.	(51) A61K 38/21
(54) CELL PENETRATING ANTIBODIES	KALOS, Michael, D.	A61K 38/22
(73) City of Hope	JUNE, Carl, H.	A61K 39/00
(72) HERRMANN, Andreas	(31) 201261671508 P	A61K 39/39
YU, Hua	(32) 13.07.2012	A61P 35/00
(31) 201562104653 P	(33) United States of America	(11) EP3192523
(32) 16.01.2015	(51) A61K 38/17	(21) EP16202866.6
(33) United States of America	A61P 3/00	(47) 16.09.2020
(51) A61K 38/16	A61P 9/00	(22) 23.10.2008
A61P 13/12	G01N 33/68	(54) IMMUNE RESPONSE INDUCER
(11) EP3184116	(11) EP3256146	(73) TORAY INDUSTRIES, INC.
(21) EP16204110.7	(21) EP16749546.4	(72) ISHIBASHI, Masaki
(47) 16.09.2020	(47) 16.09.2020	OKANO, Fumiyoshi
(22) 14.12.2016	(87) SG2016050066	(31) 2007277578
(54) NEUTROPHIL GELATINASE-	18.08.2016	2007277611
ASSOCIATED LIPOCALIN FOR USE	(22) 11.02.2016	2007277240
IN PREVENTION OR TREATMENT OF	(54) DERMATOPONTIN AS A	2007279113
POLYCYSTIC KIDNEY DISEASE	THERAPEUTIC FOR METABOLIC	(32) 25.10.2007
(73) National Taiwan Normal University	DISORDERS	25.10.2007
(72) HSIEH, Hsiu-Mei	(73) Agency for Science, Technology and	25.10.2007
WANG, Yi-Ren	Research	26.10.2007
JIANG, Si-Tse	(72) HONG, Wanjin	(33) Japan
JENG, Wen-Yih	TAN, Shixiong	Japan
CHIOU, Yuan-Yow	HAN, Weiping	Japan
(31) 104143323	(31) 10201501053Q	Japan
201615220687	(32) 11.02.2015	(51) A61K 38/21
(32) 23.12.2015	(33) Singapore	A61K 38/22
27.07.2016	(51) A61K 38/17	A61K 39/00
(33) Taiwan, Province of China	A61P 9/00	A61K 39/39

A61P 35/00	MU, Yingjun	KIYOTOH Eiji
(11) EP3192522	(31) 201462082857 P	MATSUSHITA Kyohei
(21) EP16202865.8	201562242503 P	(31) 2013208663
(47) 16.09.2020	(32) 21.11.2014	(32) 03.10.2013
(22) 23.10.2008	16.10.2015	(33) Japan
(54) IMMUNE RESPONSE INDUCER	(33) United States of America	(51) A61K 39/00
(73) TORAY INDUSTRIES, INC.	United States of America	A61K 39/395
(72) ISHIBASHI, Masaki	(51) A61K 38/47	A61P 25/00
OKANO, Fumiyoshi	A61P 35/00	C12N 15/11
(31) 2007277578	A61P 35/04	(11) EP3028716
2007277611	A61K 35/761	(21) EP15187453.4
2007277240	(11) EP3512533	(47) 16.09.2020
2007279113	(21) EP17726866.1	(22) 10.10.2007
(32) 25.10.2007	(47) 16.09.2020	(54) COMPLEMENT INHIBITION FOR
25.10.2007	(87) EP2017061961	IMPROVED NERVE REGENERATION
25.10.2007	24.05.2018	(73) Regenesance B.V.
26.10.2007	(22) 18.05.2017	(72) Baas, Frank
(33) Japan	(54) ONCOLYTIC VIRAL VECTORS	Ramaglia, Valeria
Japan	FOR USE IN THE TREATMENT OF	(31) 850277 P
Japan	RETINOBLASTOMA	(32) 10.10.2006
Japan	(73) VCN Biosciences SL	(33) United States of America
(51) A61K 38/21	Hospital Sant Joan de Deu	(51) A61K 39/12
A61K 38/22	(72) CASCALLO PIQUERAS, Manuel Maria	C12N 7/00
A61K 39/00	BAZAN PEREGRINO, Miriam	(11) EP2852662
A61K 39/39	MONTERO CARCABOSO, Angel	(21) EP13793902.1
A61P 35/00	CHANTADA, Guillermo Luis	(47) 16.09.2020
(11) EP3192521	(31) 201631473	(87) US2013042039
(21) EP16202768.4	(32) 17.11.2016	28.11.2013
(47) 16.09.2020	(33) Spain	(22) 21.05.2013
(22) 23.10.2008	(51) A61K 38/57	(54) HERPESVIRUS COMPOSITIONS AND
(54) IMMUNE RESPONSE INDUCER	A61P 1/18	RELATED METHODS
(73) TORAY INDUSTRIES, INC.	A61P 9/00	(73) Sanofi Pasteur Limited
(72) ISHIBASHI, Masaki	A61P 11/00	Sanofi Pasteur Biologics, LLC
OKANO, Fumiyoshi	A61P 17/02	(72) ANDERSON, Stephen
(31) 2007277578	A61P 19/02	DELAGRAVE, Simon
2007277611	A61P 29/00	HAMBERGER, John
2007277240	A61P 31/00	LI, Qinglian
2007279113	(11) EP1626736	MUNDLE, Sophia
(32) 25.10.2007	(21) EP04748575.0	RAHMAN, Nausheen
25.10.2007	(47) 16.09.2020	(31) 201261649884 P
25.10.2007	(87) NL2004000330	201361792913 P
26.10.2007	25.11.2004	(32) 21.05.2012
(33) Japan	(22) 14.05.2004	15.03.2013
Japan	(54) C1 INHIBITOR WITH SHORT HALF-	(33) United States of America
Japan	LIFE FOR TRANSIENT TREATMENT	United States of America
Japan	(73) Pharming Intellectual Property B.V.	(51) A61K 39/39
(51) A61K 38/28	(72) NUIJENS, Johannes, Henricus	(11) EP2609931
C07K 14/62	(31) 03076466	(21) EP11819971.0
(11) EP3221343	(32) 16.05.2003	(47) 16.09.2020
(21) EP15807730.5	(33) European Patent Office (EPO)	(87) JP2011069122
(47) 16.09.2020	(51) A61K 39/00	01.03.2012
(87) US2015061445	A61K 39/145	(22) 25.08.2011
26.05.2016	A61K 39/39	(54) IMMUNOGENIC COMPOSITION
(22) 19.11.2015	A61P 31/16	(73) Toray Industries, Inc.
(54) INSULIN RECEPTOR PARTIAL	A61P 37/04	(72) KOSHI, Yoichiro
AGONISTS	(11) EP3053595	NISHIO, Reiji
(73) Merck Sharp & Dohme Corp.	(21) EP14850476.4	KAKIZAWA, Yoshinori
(72) LIN, Songnian	(47) 16.09.2020	(31) 2010189307
YAN, Lin	(87) JP2014076349	(32) 26.08.2010
HUO, Pei	09.04.2015	(33) Japan
PISSARNITSKI, Dmitri	(22) 02.10.2014	(51) A61K 39/395
FENG, Danqing	(54) MUCOSAL VACCINE COMPOSITION	A61P 13/12
NARGUND, Ravi	(73) Nitto Denko Corporation	A61P 35/00
ZHU, Yuping	(72) FUKASAKA Masahiro	C07K 16/22
KEKEC, Ahmet	HORI Mitsuhiro	C12N 15/09
MADSEN-DUGGAN, Christina B.	OKUBO Katsuyuki	(11) EP3211080
SHI, Zhi-Cai	ASARI Daisuke	(21) EP15853067.5
WU, Zhicai	OKAZAKI Arimichi	(47) 16.09.2020

(87) JP2015005291 28.04.2016	(22) 14.12.2016	ENGLAND, Richard Mark
(22) 20.10.2015	(54) FULLY HUMAN ANTIBODY SPECIFICALLY INHIBITING CONNEXIN 26	(31) 201131713 P (32) 24.10.2011 (33) Spain
(54) ANTI HUMAN GAS6 MONOCLONAL ANTIBODIES	(73) Shanghai Tech University	(51) A61L 2/07
(73) Kyowa Kirin Co., Ltd.	(72) QU, Zhihu	A61L 2/26
(72) UBE, Yuko	YANG, Guang	B08B 3/04
YAMADA, Tsuyoshi	MAMMANO, Fabio	B65G 1/10
YAMAZAKI, Yuji	ZONTA, Francesco	(11) EP3482778
KIMURA, Kaname	(31) 201610056295	(21) EP18187284.7
HARIGUCHI, Akiko	(32) 27.01.2016	(47) 16.09.2020
OGAWA, Shinya	(33) China	(22) 03.08.2018
(31) 201462066687 P	(51) A61K 39/395	(54) MACHINE FOR TREATING OBJECTS, IN PARTICULAR WASHING, THERMAL DISINFECTION AND/OR STERILIZATION OF OBJECTS
(32) 21.10.2014	C07K 16/22	
(33) United States of America	C07K 16/32	(73) Steelco S.p.A.
(51) A61K 39/395	(11) EP2352521	(72) Capovilla, Ivone
A61P 29/00	(21) EP09793631.4	(31) 201700090475
C07K 16/28	(47) 16.09.2020	(32) 04.08.2017
C07K 16/46	(87) US2009060443	(33) Italy
C12N 15/00	22.04.2010	(51) A61L 2/22
C12N 15/09	(22) 13.10.2009	A61L 9/20
(11) EP3095862	(54) IMMUNOGLOBULIN VARIANTS AND USES THEREOF	B01D 46/00
(21) EP16172648.4	(73) Genentech, Inc.	B01D 46/24
(47) 16.09.2020	F.Hoffmann-La Roche AG	F24F 3/16
(22) 05.12.2008	(72) DAMICO, Lisa A.	F24F 13/12
(54) ANTI-NR10 ANTIBODY AND USE THEREOF	FERRARA, Napoleone	F24F 13/14
(73) CHUGAI SEIYAKU KABUSHIKI KAISHA	LOWMAN, Henry B.	F24F 13/20
(72) KURAMOCHI, Taichi	MENG, Yu-Ju G.	F24F 11/89
KASUTANI, Keiko	YEUNG, Yik Andy	F24F 1/00
OHYAMA, Souhei	(31) 105086 P	F24F 1/0071
TSUNODA, Hiroyuki	152131 P	(11) EP3211345
IGAWA, Tomoyuki	171768 P	(21) EP17157045.0
TACHIBANA, Tatsuhiko	220514 P	(47) 16.09.2020
SHIRAIWA, Hirotake	(32) 14.10.2008	(22) 21.02.2017
ESAKI, Keiko	12.02.2009	(54) AIR CLEANER
(31) 2007315143	22.04.2009	(73) LG ELECTRONICS INC.
2008247425	25.06.2009	(72) JUNG, Soonki
(32) 05.12.2007	(33) United States of America	HA, Hyunpil
26.09.2008	United States of America	MUN, Yeongcheol
(33) Japan	United States of America	PARK, Jaekyun
Japan	United States of America	BAE, Soohyun
(51) A61K 39/395	(51) A61K 49/12	(31) 20160023663
A61P 35/02	A61K 51/08	20160139376
C07K 16/28	C07K 1/107	20160171724
(11) EP3461845	C07K 2/00	(32) 26.02.2016
(21) EP18203676.4	C08G 63/91	25.10.2016
(47) 16.09.2020	C08G 69/10	15.12.2016
(22) 12.12.2014	A61K 47/50	(33) Korea (Republic)
(54) ANTI-CD33 ANTIBODIES AND IMMUNOCONJUGATES	A61K 47/60	Korea (Republic)
(73) Genentech, Inc.	A61K 47/64	Korea (Republic)
(72) Yu, Shang-Fan	(11) EP2772497	(51) A61L 9/015
Liang, Wei -Ching	(21) EP12843959.3	A61L 9/03
Wu, Yan	(47) 16.09.2020	A61L 9/12
Leong, Steven	(87) ES2012070740	A61L 9/14
Polson, Andrew	02.05.2013	F24F 3/16
(31) 201361916087 P	(22) 23.10.2012	H04L 12/28
(32) 13.12.2013	(54) CONTROLLED SYNTHESIS OF POLYGLUTAMATES WITH LOW POLYDISPERSITY AND VERSATILE ARCHITECTURES	F24F 11/50
(33) United States of America	(73) Fundacion De La Comunidad Valenciana	F24F 110/60
(51) A61K 39/395	Centro De Investigacion Principe Felipe	H04W 4/80
C07K 16/18	(72) VICENT DOCÓN, María Jesús	(11) EP3360291
C12N 15/11	BARZ, Matthias	(21) EP16784346.5
(11) EP3342784	CANAL, Fabiana	(47) 16.09.2020
(21) EP16887751.2	CONEJOS SÁNCHEZ, Inmaculada	(87) US2016055487
(47) 16.09.2020	DURO CASTAÑO, Aroa	13.04.2017
(87) CN2016109847		(22) 05.10.2016
03.08.2017		

<p>(54) SYSTEMS AND METHODS FOR COUPLING THE OPERATIONS OF A VOLATILE COMPOSITION DISPENSER AND A SMART APPLIANCE (73) The Procter & Gamble Company (72) HASENOEHRL, Erik John (31) 201514879112 (32) 09.10.2015 (33) United States of America</p> <hr/> <p>(51) A61L 15/00 C08J 5/18 (11) EP3515974 (21) EP17787280.1 (47) 16.09.2020 (87) US2017052927 29.03.2018 (22) 22.09.2017 (54) BREATHABLE FILMS WITH MICROBIAL BARRIER PROPERTIES (73) Becton, Dickinson and Company (72) ZHANG, Jianbin HERMEL-DAVIDOCK, Theresa COUGHLIN, Edward Bryan (31) 201662399743 P 201715711653 (32) 26.09.2016 21.09.2017 (33) United States of America United States of America</p> <hr/> <p>(51) A61L 15/10 A61L 15/12 (11) EP2405949 (21) EP10711914.1 (47) 16.09.2020 (87) FI2010050185 16.09.2010 (22) 11.03.2010 (54) NOVEL COMPOSITE MATERIALS COMPRISING A THERMOPLASTIC MATRIX POLYMER AND WOOD PARTICLES (73) Onbone Oy (72) PÄRSSINEN, Antti (31) 20095251 (32) 11.03.2009 (33) Finland</p> <hr/> <p>(51) A61L 15/10 A61L 15/12 (11) EP2405950 (21) EP10722151.7 (47) 16.09.2020 (87) FI2010050186 16.09.2010 (22) 11.03.2010 (54) NOVEL COMPOSITE MATERIALS COMPRISING A THERMOPLASTIC MATRIX POLYMER AND WOOD PARTICLES (73) Onbone Oy (72) PÄRSSINEN, Antti (31) 20095251 (32) 11.03.2009 (33) Finland</p> <hr/> <p>(51) A61L 15/22 A61L 15/42 A61L 15/60 A61L 27/12 A61L 27/58</p>	<p>B01J 20/00 B01J 20/12 B01J 20/26 B01J 20/32 C08F 2/44 C08F 220/06 C08F 220/18 C08J 3/12 C08J 3/24 C08J 9/00 C08J 9/08 C08J 9/20 C08J 9/224 (11) EP2930191 (21) EP14163666.2 (47) 16.09.2020 (22) 07.04.2014 (54) Superabsorbent polymer having fast absorption (73) Evonik Corporation (72) Azad, Michael Wieand, Rani Gilmer, Regina Blake, Geoffrey W. Wiedbusch, Ron Bergman, David L. jr. Lang, Andrew J.</p> <hr/> <p>(51) A61L 27/10 A61L 27/30 A61L 27/44 A61L 27/56 (11) EP2879725 (21) EP13744487.3 (47) 16.09.2020 (87) EP2013065810 06.02.2014 (22) 26.07.2013 (54) MULTI-COMPONENT JOINING OF PLASTIC PREPARATIONS IN ORDER TO PRODUCE MEDICAL PRODUCTS WITH FUNCTIONAL SURFACES (73) CeramTec GmbH (72) KUNTZ, Meinhard MESSMER, Moritz HEINZMANN, Simon (31) 102012213348 (32) 30.07.2012 (33) Germany</p> <hr/> <p>(51) A61L 27/16 A61L 27/56 C08J 5/00 C08J 9/24 C08L 27/18 (11) EP2750725 (21) EP12726339.0 (47) 16.09.2020 (87) BY2012000001 07.03.2013 (22) 04.04.2012 (54) DENTAL IMPLANT, VASCULAR IMPLANT AND TISSUE IMPLANT MADE OF POROUS THREE-DIMENSIONAL STRUCTURE OF POLYTETRAFLUOROETHYLENE (73) Dosta, Anatoli D. (72) Dosta, Anatoli D. (31) 20111162 (32) 01.09.2011</p>	<p>(33) Belarus</p> <hr/> <p>(51) A61L 29/08 A61L 29/16 (11) EP3096806 (21) EP15703142.8 (47) 16.09.2020 (87) US2015010786 30.07.2015 (22) 09.01.2015 (54) COATINGS FOR MEDICAL DEVICES (73) The Spectranetics Corporation (72) RUANE, Patrick WILSON, Cameron UMMEL, Steven ALCANTARA, Arlene HANCOCK, Jackie Joe Qi, Zhan (31) 201414162900 (32) 24.01.2014 (33) United States of America</p> <hr/> <p>(51) A61L 31/08 (11) EP2999494 (21) EP14800261.1 (47) 16.09.2020 (87) US2014038597 27.11.2014 (22) 19.05.2014 (54) ANTI-THROMBOGENIC GRAFTS (73) Yale University (72) DIMITRIEVSKA, Sashka NIKLABSON, Laura (31) 201361825256 P (32) 20.05.2013 (33) United States of America</p> <hr/> <p>(51) A61M 1/02 A61M 1/36 B04B 5/04 (11) EP3288607 (21) EP16723277.6 (47) 16.09.2020 (87) EP2016059570 03.11.2016 (22) 28.04.2016 (54) SEPARATING AND TRANSFERRING PHASES OF A FLUID THROUGH CENTRIFUGATION (73) NTE-SENER HEALTHCARE, S.A. (72) VIDAL FAYOS, Francisco NOGUERA FERRER, Nuria TOLOSA GONZÁLEZ, Emiliano (31) 15382215 (32) 29.04.2015 (33) European Patent Office (EPO)</p> <hr/> <p>(51) A61M 1/10 (11) EP3365041 (21) EP16788908.8 (47) 16.09.2020 (87) US2016057890 27.04.2017 (22) 20.10.2016 (54) PHYSIOLOGICALLY RESPONSIVE BLOOD PUMP FOR ISCHEMIA DETECTION AND TREATMENT (73) Heartware, Inc. (72) YOMTOV, Barry, M. (31) 201562245637 P (32) 23.10.2015</p>
--	---	--

<p>(33) United States of America (51) A61M 1/12 (11) EP3169384 (21) EP15742503.4 (47) 16.09.2020 (87) US2015040577 21.01.2016 (22) 15.07.2015 (54) KIT FOR IMPLANTATION OF A TRANSPICAL VENTRICULAR ASSIST DEVICE (73) Heartware, Inc. (72) GRAHAM, Joel SHAMBAUGH, Charles R. (31) 201462025119 P (32) 16.07.2014 (33) United States of America (51) A61M 1/16 (11) EP3319657 (21) EP16741230.3 (47) 16.09.2020 (87) EP2016001163 12.01.2017 (22) 06.07.2016 (54) DEVICE AND METHOD FOR DISINFECTING A HYDRAULIC CIRCUIT (73) Fresenius Medical Care Deutschland GmbH (72) GLASER, Benedict INTERWIES, Steffen BRANDL, Matthias (31) 102015008783 (32) 07.07.2015 (33) Germany (51) A61M 1/18 (11) EP3354299 (21) EP16848390.7 (47) 16.09.2020 (87) JP2016071323 30.03.2017 (22) 20.07.2016 (54) ARTIFICIAL LUNG (73) Terumo Kabushiki Kaisha (72) HISAMATSU, Kozo SASAKI, Eisuke (31) 2015188693 (32) 25.09.2015 (33) Japan (51) A61M 5/14 A61M 5/168 A61M 5/36 A61M 5/38 A61M 5/44 (11) EP1750793 (21) EP05753733.4 (47) 16.09.2020 (87) US2005018659 15.12.2005 (22) 27.05.2005 (54) FLOW CONTROL AND GAS DETECTION AND GAS REMOVAL IN AN INTRAVENOUS FLUID DELIVERY SYSTEM (73) Vyair Medical Consumables LLC (72) CASSIDY, David, E. MAY, Eric BUCCHIANERI, Richard (31) 575246 P</p>	<p>576258 P (32) 28.05.2004 02.06.2004 (33) United States of America United States of America (51) A61M 5/14 G05B 15/02 G06Q 10/00 (11) EP3183696 (21) EP15834074.5 (47) 16.09.2020 (87) US2015045663 25.02.2016 (22) 18.08.2015 (54) INTRAVENOUS POLE INTEGRATED POWER, CONTROL, AND COMMUNICATION SYSTEM AND METHOD FOR AN INFUSION PUMP (73) ICU Medical, Inc. (72) CHEN, Howard Z. (31) 201462038684 P 201514828008 (32) 18.08.2014 17.08.2015 (33) United States of America United States of America (51) A61M 5/168 (11) EP3096818 (21) EP15700862.4 (47) 16.09.2020 (87) EP2015050899 30.07.2015 (22) 19.01.2015 (54) METHOD AND APPARATUS FOR FLOW CONTROL THROUGH A MEDICAL INFUSION LINE (73) B. Braun Melsungen AG (72) HASLBECK, Karsten (31) 102014201258 (32) 23.01.2014 (33) Germany (51) A61M 5/178 A61M 5/19 A61M 5/31 (11) EP3028729 (21) EP15175696.2 (47) 16.09.2020 (22) 07.07.2015 (54) INJECTOR FOR DISPENSING A LIQUID OR PASTE SUBSTANCE, IN PARTICULAR A MEDICAMENT (73) elm-plastic GmbH (72) Lonien, Birgit Möhs, Sascha (31) 102014018077 102015002234 (32) 05.12.2014 19.02.2015 (33) Germany Germany (51) A61M 5/24 (11) EP3302650 (21) EP16726566.9 (47) 16.09.2020 (87) EP2016062395 08.12.2016 (22) 01.06.2016</p>	<p>(54) CONTAINER HOUSING OF A PEN INJECTOR (73) Biocorp Production (72) ANEAS, Antoine (31) 1554993 (32) 02.06.2015 (33) France (51) A61M 11/00 A61M 15/00 (11) EP2173419 (21) EP08767254.9 (47) 16.09.2020 (87) SE2008050788 31.12.2008 (22) 27.06.2008 (54) EXPOSURE SYSTEM AND METHOD (73) Inhalation Sciences Sweden AB (72) GERDE, Per (31) 0701569 40336 (32) 28.06.2007 28.03.2008 (33) Sweden United States of America (51) A61M 11/00 A61M 15/00 A61M 15/08 (11) EP3388099 (21) EP18168085.1 (47) 16.09.2020 (22) 16.05.2013 (54) INHALER (73) Vectura Delivery Devices Limited (72) CLARKE, Roger MCGUINNESS, Liam MELINIOTIS, Andreas Solly, Andrew (31) 201209267 (32) 25.05.2012 (33) United Kingdom (51) A61M 11/00 A61M 21/00 (11) EP3257541 (21) EP17173444.5 (47) 16.09.2020 (22) 30.05.2017 (54) FRAGRANCE MATERIAL EJECTION DEVICE CONTROL SYSTEM (73) Panasonic Intellectual Property Management Co., Ltd. (72) OKUMURA, Yasuaki YANAGAWA, Hiroto OHNO, Yumiko AOKI, Yuichi NAKATA, Mikiya ASAI, Akira (31) 2016117241 (32) 13.06.2016 (33) Japan (51) A61M 11/04 A61M 15/00 (11) EP1349601 (21) EP01988204.2 (47) 16.09.2020 (87) US2001044809 04.07.2002 (22) 30.11.2001</p>
--	--	---

(54) Inhaler device and method of forming an aerosol	(21) EP10827711.2 (47) 16.09.2020	MAHADEVAN, Anandi GARSTECK, James Scott
(73) Philip Morris Products S.A.	(87) AU2010001462	(31) 201562157205 P
(72) NICHOLS, Walter, A. SPRINKEL, F., Murphy, Jr.	12.05.2011 (22) 03.11.2010	(32) 05.05.2015 (33) United States of America
(31) 742321	(54) CPAP SYSTEMS	(51) A61M 16/06
(32) 22.12.2000	(73) ResMed Pty Ltd	(11) EP3332828
(33) United States of America	(72) VIRRR, Alexander	(21) EP17202724.5
(51) A61M 15/08	TARAKCI, Cem	(47) 16.09.2020
A61M 16/00	OATES, John, David	(22) 16.12.2009
A61M 16/06	KENYON, Barton, John	(54) RESPIRATORY MASK SEALING INTERFACE
A61M 16/08	CUTCLIFFE, Graham, Stephen	(73) Fisher&Paykel Healthcare Limited
A61M 16/10	ROW, Nathan, John	(72) MCAULEY, Alastair Edwin
A61M 16/12	(31) 2009905363	OLSEN, Gregory James
A61M 16/20	2009905945	STEPHENSON, Matthew Roger
A61M 39/10	(32) 03.11.2009	(31) 138194 P
(11) EP3034122	07.12.2009	(32) 17.12.2008
(21) EP15200001.4	(33) Australia	(33) United States of America
(47) 16.09.2020	Australia	
(22) 17.12.2013	(51) A61M 16/00	(51) A61M 16/06
(54) INLINE ADAPTER FOR A RESPIRATORY THERAPY DEVICE	A61M 16/08	A61M 16/10
(73) Koninklijke Philips N.V.	A61M 16/14	A61M 16/16
(72) BAFILE, Anthony Jon	A61M 16/16	(11) EP3297715
BARCLAY, Mark Wayne	(11) EP2869880	(21) EP16797252.0
(31) 201261740217 P	(21) EP13762568.7	(47) 16.09.2020
(32) 20.12.2012	(47) 16.09.2020	(87) US2016033158
(33) United States of America	(87) IB2013055439	24.11.2016
(51) A61M 16/00	09.01.2014	(22) 18.05.2016
A61M 16/06	(22) 03.07.2013	(54) CLIP-ON NASAL AIR HUMIDIFYING AND EPISTAXIS-PREVENTION DEVICE
A61M 16/08	(54) A COMPACT HUMIDIFIER	(73) Schaffer, Scott
A61M 39/10	(73) Koninklijke Philips N.V.	(72) Schaffer, Scott
(11) EP3257543	(72) ARCILLA, Mabini	(31) 201562163262 P
(21) EP17001013.6	GARDE, Smita	(32) 18.05.2015
(47) 16.09.2020	(31) 201261667554 P	(33) United States of America
(22) 14.06.2017	(32) 03.07.2012	(51) A61M 16/08
(54) DEVICE FOR MECHANICAL VENTILATION, HAVING CONNECTING STUB AND ROTARY SLEEVE	(33) United States of America	A61M 16/10
(73) Löwenstein Medical Technology S.A.	(51) A61M 16/00	(11) EP3305355
(72) Eifler, Martin	A61M 16/10	(21) EP17193282.5
(31) 102016007302	A61M 16/16	(47) 16.09.2020
(32) 16.06.2016	(11) EP1945288	(22) 20.12.2012
(33) Germany	(21) EP06790383.1	(54) FLOW GENERATOR
(51) A61M 16/00	(47) 16.09.2020	(73) ResMed Motor Technologies Inc.
A61M 16/06	(87) AU2006001513	(72) Velzy, Allan Freas
A61M 16/20	26.04.2007	Mebasser, Samuel Aziz
(11) EP2121092	(22) 16.10.2006	Vinokur, Roman
(21) EP08743688.7	(54) APPARATUS FOR DELIVERY OF PRESSURISED GAS	McCulloh, Kevin Gene
(47) 16.09.2020	(73) Compumedics Medical Innovation Pty Ltd	Bednar, Michael David
(87) US2008055897	(72) BURTON, David	Iwahashi, Karl Yutaka
18.09.2008	BLOCHLINGER, Fred	Sears, David Brent
(22) 05.03.2008	FREEMAN, Warwick	Thomas, Peter Jeffrey
(54) APPARATUS FOR DELIVERING A DOSE OF A GASEOUS DRUG TO A PATIENT	PARRATT, Grant	Hsia, Yeu-chuan
(73) Medical Depot, Inc.	WALLACE, Allan	Suzuki, Hiroshi
(72) EASLEY, Dan	(31) 2005905836	Chao, Benjamin An Shing
DIRKS, Aaron	(32) 21.10.2005	(31) 201261607176 P
MCCOY, Robert	(33) Australia	(32) 06.03.2012
(31) 684370	(51) A61M 16/00	(33) United States of America
(32) 09.03.2007	A61M 16/20	(51) A61M 19/00
(33) United States of America	(11) EP3291868	A61M 25/00
(51) A61M 16/00	(21) EP16721240.6	A61M 25/095
A61M 16/08	(47) 16.09.2020	A61M 25/16
A61M 16/10	(87) IB2016052252	A61N 1/05
A61M 16/16	10.11.2016	A61N 1/36
(11) EP2496297	(22) 21.04.2016	A61B 90/00
	(54) SYSTEMS FOR IMPROVED COUGH SEGMENTATION	(11) EP3322468
	(73) Koninklijke Philips N.V.	(21) EP16825183.3
	(72) BRAND, Maarten Leonardus Christian	(47) 16.09.2020
		(87) US2016042293

19.01.2017	(11) EP2073886	413377
(22) 14.07.2016	(21) EP07796145.6	(32) 28.03.2008
(54) CONDUCTIVE TIP CATHETER	(47) 16.09.2020	27.03.2009
(73) Teleflex Medical Incorporated	(87) US2007014038	(33) United States of America
(72) STURSA, Radek	21.12.2007	United States of America
STREDA, Petr	(22) 14.06.2007	(51) A61M 39/10
(31) 201562192574 P	(54) WIRELESS ELECTRODE	B29C 65/00
(32) 15.07.2015	ARRANGEMENT AND METHOD	B29C 65/56
(33) United States of America	FOR PATIENT MONITORING VIA	F16L 31/00
(51) A61M 21/00	ELECTROCARDIOGRAPHY	F16L 47/06
H05B 47/105	(73) Peerbridge Health, Inc.	F16L 47/20
H05B 47/155	(72) Acquista, Angelo	(11) EP3224520
(11) EP3254538	(31) 454374	(21) EP15860452.0
(21) EP16707839.3	(32) 15.06.2006	(47) 16.09.2020
(47) 16.09.2020	(33) United States of America	(87) US2015061971
(87) FR2016050164	(51) A61M 31/00	26.05.2016
11.08.2016	A61M 37/00	(22) 20.11.2015
(22) 27.01.2016	(11) EP3417905	(54) FLUID TRANSFER ASSEMBLY
(54) LIGHTING APPARATUS WITH	(21) EP18182632.2	(73) Saint-Gobain Performance Plastics
OPTIMUM STIMULATION OF NON-	(47) 16.09.2020	Corporation
VISUAL FUNCTIONS	(22) 20.01.2006	(72) PENNOCK, Brandon J.
(73) Maquet SAS	(54) APPLICATOR FOR INSERTING AN	ZOELLNER, Clemens E.
Inserm	IMPLANT	PENNINGTON, Gerald M.
ENTPE	(73) Merck Sharp & Dohme B.V.	(31) 201462083018 P
(72) DESOUCHES, Jérôme	(72) Jansen, Willem	(32) 21.11.2014
LE BER, David	Tak, Maurice Petrus Wilhelmus	(33) United States of America
GRONFIER, Claude	Vertegaal, Hendricus Johannes	(51) A61M 39/22
DUMORTIER, Dominique	Van Der Graaf, Iris Epkjen Hobo	A61M 39/24
AVOUAC, Pascale	(31) 05100418	A61M 39/26
COOPER, Howard	(32) 24.01.2005	(11) EP3479868
(31) 1550896	(33) European Patent Office (EPO)	(21) EP18210572.6
(32) 05.02.2015	(51) A61M 35/00	(47) 16.09.2020
(33) France	(11) EP3137149	(22) 22.02.2010
(51) A61M 25/00	(21) EP15728202.1	(54) COLLAPSIBLE VALVE
A61M 25/01	(47) 16.09.2020	(73) Carefusion 303 Inc.
A61M 27/00	(87) NL2015050295	(72) Mansour, George Michel
(11) EP3119464	05.11.2015	Bennett, James
(21) EP15710353.2	(22) 30.04.2015	(31) 51271909
(47) 16.09.2020	(54) THE INVENTION RELATES TO A	(32) 30.07.2009
(87) US2015018300	DISPOSABLE LIQUID APPLICATOR	(33) United States of America
24.09.2015	SACHET	(51) A61M 39/26
(22) 02.03.2015	(73) Daklapack Europe B.V.	(11) EP2777756
(54) INTERMITTENT CATHETERS HAVING	(72) KLAASSEN, Dave Willem	(21) EP14158885.5
HYDRATION/GRIPPER DEVICES	(31) 2012741	(47) 16.09.2020
(73) Hollister Incorporated	(32) 02.05.2014	(22) 11.03.2014
(72) FOLEY, Adam J.	(33) Netherlands	(54) Needleless connector with folding valve
McMENAMIN, Martin	(51) A61M 37/00	(73) CareFusion 303, Inc.
O'FLYNN, Pdraig, M.	(11) EP3482793	(72) Zollinger, Christopher, J.
(31) 201461954095 P	(21) EP18000893.0	Quach, Matthew
(32) 17.03.2014	(47) 16.09.2020	Mansour, George Michel
(33) United States of America	(22) 13.11.2018	Yeh, Jonathan
(51) A61M 25/00	(54) TATTOO APPARATUS	(31) 201313801412
A61M 29/00	(73) d'Amico, Rosario	(32) 13.03.2013
A61F 2/04	Lucarelli, Monica	(33) United States of America
(11) EP2408506	(72) D'Amico, Rosario	(51) A61N 1/05
(21) EP10714484.2	(31) 201700129372	A61N 1/36
(47) 16.09.2020	(32) 13.11.2017	A61N 1/372
(87) IL2010000229	(33) Italy	A61N 1/378
23.09.2010	(51) A61M 39/00	(11) EP3400053
(22) 21.03.2010	(11) EP2783723	(21) EP17736351.2
(54) DEVICES FOR URETHRAL	(21) EP14169536.1	(47) 16.09.2020
TREATMENT	(47) 16.09.2020	(87) US2017012360
(73) Proarc Medical Ltd.	(22) 30.03.2009	13.07.2017
(72) FELD, Yair	(54) Device and method for connecting a	(22) 05.01.2017
(31) 202634 P	blood pump without trapping air bubbles	(54) IMPLANTABLE HEAD LOCATED
(32) 20.03.2009	(73) Vitalmex Internacional, S.A. de C.V.	RADIOFREQUENCY COUPLED
(33) United States of America	(72) Duenas Figueroa, Benjamin	NEUROSTIMULATION SYSTEM FOR
(51) A61M 29/00	(31) 40612 P	HEAD PAIN

(73) NuXcel, Inc.	(54) THREE DIMENSIONAL RESPIRATORY MOTION MANAGEMENT IN IMAGE-GUIDED RADIOTHERAPY	UMEZAWA, Masumi
(72) DELLAMANO, Harry COLVIN, Michael Steven REED, Kenneth Lyle BULGER, Robert Raymond DENAULT, Claire GRIFFITH, Paul MENEZES, Francis	(73) Elekta Ltd. (72) LACHAINE, Martin, Emile (31) 201662290198 P (32) 02.02.2016 (33) United States of America	(31) 2016013903 (32) 28.01.2016 (33) Japan
(31) 201614989674 201614989706	(51) A61N 5/06 (11) EP2854945 (21) EP12878034.3 (47) 16.09.2020 (87) US2012068045	(51) A61N 5/10 (11) EP3426343 (21) EP17710677.0 (47) 16.09.2020 (87) EP2017054680 14.09.2017
(32) 06.01.2016 06.01.2016	(21) EP12878034.3 (47) 16.09.2020 (87) US2012068045	(22) 01.03.2017 (54) PRE-OPTIMIZATION METHOD FOR QUICK PREDICTION OF ACHIEVABILITY OF CLINICAL GOALS IN INTENSITY MODULATED RADIATION THERAPY
(33) United States of America United States of America	(87) US2012068045 05.12.2013	(73) Koninklijke Philips N.V. (72) RANGANATHAN, Vaitheeswaran KUMAR, Prashant BZDUSEK, Karl, Antonin
(51) A61N 1/37 A61N 1/378	(22) 05.12.2012 (54) APPARATUSES FOR TREATING AND/OR DIAGNOSING MOTOR-RELATED NEUROLOGICAL CONDITIONS	(31) 201662305647 P (32) 09.03.2016 (33) United States of America
(11) EP2338565 (21) EP10192897.6 (47) 16.09.2020 (22) 29.11.2010	(73) PhotoPharmics Inc. (72) SAVAGE, Kent, W. ADAMS, Daniel, N. WILLIS, Gregory Lynn	(72) RANGANATHAN, Vaitheeswaran KUMAR, Prashant BZDUSEK, Karl, Antonin
(54) Switched protective device against electromagnetic interference	(31) PCT/US2012/040284 (32) 31.05.2012 (33) World Intellectual Property Office (WIPO)	(31) 201662305647 P (32) 09.03.2016 (33) United States of America
(73) BIOTRONIK SE & Co. KG (72) Dörr, Thomas Weiss, Ingo	(31) PCT/US2012/040284 (32) 31.05.2012 (33) World Intellectual Property Office (WIPO)	(51) A61N 5/10 (11) EP3645113 (21) EP18746580.2 (47) 16.09.2020 (87) EP2018067412 03.01.2019
(31) 288857 P (32) 22.12.2009 (33) United States of America	(51) A61N 5/10 (11) EP2874705 (21) EP13773844.9 (47) 16.09.2020 (87) IB2013055813 23.01.2014	(22) 28.06.2018 (54) ASSIGNING RIPPLE FILTER SETTINGS
(51) A61N 5/00 A61N 5/06	(22) 15.07.2013 (54) DETERMINATION APPARATUS FOR DETERMINING THE POSE AND SHAPE OF AN INTRODUCTION ELEMENT	(73) RaySearch Laboratories AB (72) ENGWALL, Erik JANSON, Martin GLIMELIUS, Lars
(11) EP3140004 (21) EP15789387.6 (47) 16.09.2020 (87) US2015028910 12.11.2015	(73) Koninklijke Philips N.V. (72) BHARAT, Shyam DEHGHAN MARVAST, Ehsan KRUECKER, Jochen KUNG, Cynthia, Ming-fu	(31) 17178929 (32) 30.06.2017 (33) European Patent Office (EPO)
(22) 01.05.2015 (54) BIOCERAMIC COMPOSITIONS	(31) 201261672392 P (32) 17.07.2012 (33) United States of America	(51) A61N 5/10 G16H 10/60 G16H 20/40 G16H 50/70
(73) Multiple Energy Technologies LLC (72) VISSMAN, Shannon CIDRAL FILHO, Francisco Jose DE PAULA MOREIRA, Francisco MIDTTUN, Steven	(31) 201261672392 P (32) 17.07.2012 (33) United States of America	(11) EP3441114 (21) EP18191965.5 (47) 16.09.2020 (22) 20.06.2014 (54) MULTI-OBJECTIVE RADIATION THERAPY SELECTION SYSTEM AND METHOD
(31) 201461988837 P 201462018085 P 201462062686 P 201462064939 P 201562115567 P	(31) 201414334685 (32) 18.07.2014 (33) United States of America	(73) Siris Medical, Inc. (72) CARPENTER, Colin DAVIDI, Ran MOURLAS, Nicholas ATWOOD, Todd
(32) 05.05.2014 27.06.2014 10.10.2014 16.10.2014 12.02.2015	(31) 201414334685 (32) 18.07.2014 (33) United States of America	(31) 201361837754 P 201361877291 P (32) 21.06.2013 13.09.2013
(33) United States of America United States of America United States of America United States of America United States of America	(51) A61N 5/10 (11) EP3199202 (21) EP17153697.2 (47) 16.09.2020 (22) 30.01.2017 (54) TREATMENT PLANNING DEVICE, TREATMENT PLANNING METHOD, CONTROL DEVICE, AND PARTICLE BEAM TREATMENT SYSTEM	(33) United States of America United States of America
(51) A61N 5/01 A61N 5/10 G06T 7/00 G06T 7/38	(73) Hitachi, Ltd. (72) FUJITAKA, Shinichiro HIRAYAMA, Shusuke	(51) A61N 5/10 G16H 20/40 (11) EP3227809 (21) EP15818052.1 (47) 16.09.2020 (87) IB2015059327 09.06.2016 (22) 03.12.2015
(11) EP3411118 (21) EP16889182.8 (47) 16.09.2020 (87) IB2016001601 10.08.2017 (22) 21.10.2016		

(54) SHAPE BASED INITIALIZATION AND QA OF PROGRESSIVE AUTO-PLANNING	201562117366 P	A63B 71/06
(32) 30.07.2014		(11) EP2934704
02.02.2015		(21) EP13865791.1
(73) Koninklijke Philips N.V.	17.02.2015	(47) 16.09.2020
The Johns Hopkins University	(33) United States of America	(87) NZ2013000245
(72) BZDUSEK, Karl Antonin	United States of America	26.06.2014
KUMAR, Prashant	United States of America	(22) 20.12.2013
MCNUTT, Todd	(51) A62B 1/10	(54) METHOD AND SYSTEM OF
(31) 201462087264 P	A62B 1/14	MEASURING AN ACTIVITY OF A
(32) 04.12.2014	A62B 35/00	PERSON ON A FLEXIBLE MAT OF A
(33) United States of America	(11) EP3482798	TRAMPOLINE
(51) A61N 5/10	(21) EP18213332.2	(73) TGOMA NZ LIMITED
G21K 5/10	(47) 16.09.2020	(72) HOWE, John, Robert
(11) EP3496812	(22) 18.11.2011	(31) 201261740549 P
(21) EP17734671.5	(54) RESCUE DESCENDER SYSTEM	(32) 21.12.2012
(47) 16.09.2020	(73) Latchways Plc.	(33) United States of America
(87) EP2017065100	(72) JONES, Owain	(51) A63B 9/00
15.02.2018	JONES, Karl	A63B 71/02
(22) 20.06.2017	(31) 201019462	A63G 9/00
(54) A GANTRY FOR PARTICLE THERAPY AS AN ARM ROTATING IN THE LONGITUDINAL PLANE	201112332	A63G 31/00
(73) Paul Scherrer Institut	(32) 18.11.2010	E04H 12/12
(72) SCHIPPERS, Jacobus Maarten	18.07.2011	(11) EP3290089
GERBERSHAGEN, Alexander	(33) United Kingdom	(21) EP17188388.7
(31) 16183296	United Kingdom	(47) 16.09.2020
(32) 09.08.2016	(51) A62C 35/68	(22) 29.08.2017
(33) European Patent Office (EPO)	A62C 37/08	(54) ATTACHMENT SYSTEM FOR
(51) A61P 35/00	(11) EP2853294	OUTDOOR GAME STRUCTURE,
C07D 405/12	(21) EP14185087.5	OUTDOOR GAME STRUCTURE
C07D 405/14	(47) 16.09.2020	COMPRISING SUCH A SYSTEM AND
C07H 15/24	(22) 17.09.2014	METHOD FOR INSTALLING SUCH AN
(11) EP3350145	(54) Protective cap of sprinkler head and	OUTDOOR GAME STRUCTURE
(21) EP16847389.0	sprinkler head	(73) Trigano Jardin
(47) 16.09.2020	(73) Senju Sprinkler Co., Ltd.	(72) GAUTHIER, Sylvain
(87) US2016052144	(72) Koiwa, Yasuaki	HOARAU, Daniel
23.03.2017	(31) 2013200087	(31) 1658025
(22) 16.09.2016	2014130857	(32) 30.08.2016
(54) DNA BINDING AGENTS WITH A MINOR GROOVE BINDING TAIL	(32) 26.09.2013	(33) France
(73) Board of Regents, The University of Texas System	26.06.2014	(51) A63B 43/06
(72) PRIEBE, Waldemar	(33) Japan	(11) EP3271033
GUO, Liwei	Japan	(21) EP16765364.1
KAZIMIERSKI, Arkadiusz	(51) A63B 1/00	(47) 16.09.2020
FOKT, Izabela	A63B 3/00	(87) US2016013193
MADDEN, Timothy	A63B 17/00	22.09.2016
(31) 201562219380 P	A63B 17/04	(22) 13.01.2016
(32) 16.09.2015	A63B 21/00	(54) TWO LAYER RECREATIONAL AIR-
(33) United States of America	A63B 21/02	TIGHT OBJECT HAVING A PATTERNED
(51) A61P 37/02	A63B 21/04	ILLUMINATED SURFACE
C07K 14/255	A63B 21/055	(73) Gigglicious, LLC
A61K 47/42	A63B 21/06	(72) WOLFINBARGER, Ryan
(11) EP3174552	A63B 21/068	(31) 201514663245
(21) EP15827000.9	A63B 21/078	(32) 19.03.2015
(47) 16.09.2020	A63B 21/16	(33) United States of America
(87) US2015042887	A63B 23/035	(51) A63B 69/02
04.02.2016	A63B 23/12	E04F 11/16
(22) 30.07.2015	(11) EP3424568	E04F 15/024
(54) FLAGELLIN-BASED AGENTS AND USES INCLUDING EFFECTIVE VACCINATION	(21) EP17759314.2	E04F 15/22
(73) Genome Protection, Inc.	(47) 16.09.2020	E04F 19/06
(72) GUDKOV, Andrei V.	(87) ES2017070112	(11) EP3253933
METT, Vadim	08.09.2017	(21) EP16747151.5
KRIVOKRYSENKO, Vadim	(22) 28.02.2017	(47) 16.09.2020
(31) 201462031116 P	(54) EXERCISE APPARATUS	(87) US2016016271
201562110744 P	(73) Pitk Pelotas, S.L.	11.08.2016
	(72) RUIZ ESQUIROZ, Miguel	(22) 03.02.2016
	(31) 201630247	(54) PORTABLE RESILIENT FLOATING
	(32) 02.03.2016	FENCING FLOOR SYSTEM
	(33) Spain	(73) Radical Fencing LLC
	(51) A63B 5/11	(72) BENNETT, Philippe
	A63B 24/00	BARDAKH, Konstantin

(31) 201514615992	INOUE, Junichiro	24.01.2019
(32) 06.02.2015	(51) B01D 3/00	(22) 17.07.2018
(33) United States of America	B01D 3/14	(54) METHOD OF CHEMICALLY
(51) A63F 3/00	C07C 213/04	MODIFYING PLASTIC SURFACES
A63F 3/02	C07C 213/10	(73) Omniome, Inc.
(11) EP3493885	C07C 215/08	(72) DAMBACHER, Corey M.
(21) EP17748736.0	(11) EP3431463	(31) 201762533830 P
(47) 16.09.2020	(21) EP17766809.2	(32) 18.07.2017
(87) EP2017069593	(47) 16.09.2020	(33) United States of America
08.02.2018	(87) JP2017010762	(51) B01D 15/36
(22) 03.08.2017	21.09.2017	B01D 53/02
(54) BOARD GAME	(22) 16.03.2017	B01J 20/18
(73) Tamlino Import & Advisory LP	(54) METHOD FOR PRODUCING	B01J 20/30
(72) RÖHRIG, Stefan Martin	ALKANOLAMINES	B01J 29/035
(31) 16182586	(73) Nippon Shokubai Co., Ltd.	B01J 29/70
(32) 03.08.2016	(72) ICHIKAWA, Daisuke	C01B 39/48
(33) European Patent Office (EPO)	SUGIYA, Takahiro	C07D 207/04
(51) A63G 31/16	(31) 2016056048	(11) EP3383796
B60G 17/00	(32) 18.03.2016	(21) EP16809274.0
B60G 21/00	(33) Japan	(47) 16.09.2020
G09B 9/04	(51) B01D 3/16	(87) US2016063444
G09B 9/05	B01D 3/22	08.06.2017
G09B 9/06	(11) EP3434345	(22) 23.11.2016
(11) EP3008715	(21) EP18195825.7	(54) EMM-28, A NOVEL SYNTHETIC
(21) EP14730511.4	(47) 16.09.2020	CRYSTALLINE MATERIAL, ITS
(47) 16.09.2020	(22) 09.06.2015	PREPARATION AND USE
(87) EP2014062304	(54) VAPOR-LIQUID CONTACT TRAY	(73) ExxonMobil Research and Engineering
18.12.2014	(73) Sulzer Management AG	Company
(22) 13.06.2014	(72) PILLING, Mark W.	(72) SCHMITT, Kirk D.
(54) SELF-PROPELLED, HIGHLY DYNAMIC	GLÜER, Sven	VROMAN, Hilda B.
DRIVING SIMULATOR	WILKINSON, Peter	BURTON, Allen W.
(73) AMST-Systemtechnik GmbH	ANDERSON, Ryan E.	MARELLA, Michael A.
(72) TISCHER, Wolfgang	(31) 201462096122 P	MOBAN, Ros
PROKOP, Günther	(32) 23.12.2014	WESTON, Simon C.
(31) 2022013 U	(33) United States of America	(31) 201562262950 P
8662013	(51) B01D 15/00	(32) 04.12.2015
(32) 13.06.2013	B01J 20/286	(33) United States of America
11.11.2013	B01J 20/32	(51) B01D 19/00
(33) Austria	B01J 39/16	B01F 9/00
Austria	B01J 39/18	B29C 37/00
(51) A63H 33/04	B01J 41/12	B29C 39/02
(11) EP3511061	(11) EP2296807	B29C 39/26
(21) EP18153232.6	(21) EP09770606.3	B29C 39/42
(47) 16.09.2020	(47) 16.09.2020	B29C 41/04
(22) 24.01.2018	(87) US2009043455	B29C 41/06
(54) TOY BUILDING SYSTEM AND	30.12.2009	(11) EP3511143
PERIPHERAL ASSEMBLAGE	(22) 11.05.2009	(21) EP19155565.5
THEREOF	(54) SOLID SUPPORT WITH A GRAFTED	(47) 16.09.2020
(73) Kinpo Electronics, Inc.	CHAIN	(22) 15.04.2011
(72) Chen, Ting-Shuo	(73) 3M Innovative Properties Company	(54) MOLDING METHOD
(31) 201815871000	(72) SHANNON, Simon, K.	(73) Kaga Sangyo Co. Ltd.
(32) 14.01.2018	BOTHOF, Catherine, A.	(72) MIZOGUCHI, Osamu
(33) United States of America	GADDAM, Babu, N.	NOMURA, Takayuki
(51) A63J 17/00	RASMUSSEN, Jerald, K.	TSUJIKAWA, Hitoshi
H05B 33/08	ROSS, Richard, B.	IKEDA, Yoshiki
H05B 47/10	(31) 75934	(31) 2010095372
(11) EP3407683	(32) 26.06.2008	(32) 16.04.2010
(21) EP16886326.4	(33) United States of America	(33) Japan
(47) 16.09.2020	(51) B01D 15/02	(51) B01D 24/22
(87) JP2016051721	B01D 15/38	B01D 29/085
27.07.2017	B01J 20/28	B01D 39/02
(22) 21.01.2016	B01J 20/289	B01J 20/281
(54) LIGHTING CONTROL DEVICE,	B01J 20/32	G01N 1/40
LIGHTING CONTROL METHOD AND	B01L 3/00	G01N 30/06
LIGHTING CONTROL PROGRAM	(11) EP3655153	G01N 30/60
(73) AlphaTheta Corporation	(21) EP18749980.1	G01N 33/487
(72) KAWANO, Hirokatsu	(47) 16.09.2020	(11) EP3297743
NAKAI, Toshiki	(87) US2018042444	(21) EP16796874.2

(47) 16.09.2020	F02C 7/052	(54) BINDER FOR FIBROUS MATERIALS
(87) US2016025100	(11) EP2692410	(73) Prefere Resins Holding GmbH
24.11.2016	(21) EP13177900.1	(72) PROCK, Christoph
(22) 30.03.2016	(47) 16.09.2020	EMSENHUBER, Martin
(54) SAMPLE EXTRACTION APPARATUS	(22) 24.07.2013	KOWATSCH, Stefan
WITH MICRO ELUTION BED DESIGN	(54) Filter media and filter device comprised	(31) 0905111
(73) Tecan SP, Inc.	thereof	(32) 25.03.2009
(72) DIMSON, Philip	(73) BHA Altair, LLC	(33) United Kingdom
(31) 201514718065	(72) JARRIER, Etienne	<hr/>
(32) 20.05.2015	HATFIELD, Martin	(51) B01D 46/00
(33) United States of America	BRYANT, Paul	(11) EP3077079
<hr/>	(31) 201213564304	(21) EP14809961.7
(51) B01D 29/00	(32) 01.08.2012	(47) 16.09.2020
B01D 35/30	(33) United States of America	(87) GB2014053578
B01D 63/06	<hr/>	11.06.2015
B01D 65/00	(51) B01D 39/08	(22) 02.12.2014
C02F 1/44	B01J 20/10	(54) AN END CAP FOR AN ASSEMBLY
F16J 15/10	B01J 20/22	USED IN THE PREPARATION OF
(11) EP3152470	B01J 20/28	COMPRESSED GAS
(21) EP14863156.7	B01J 20/286	(73) Norgren Limited
(47) 16.09.2020	B01J 20/30	(72) BILLIET, Colin
(87) IB2014003034	B01J 20/32	(31) 201321236
28.05.2015	G01N 1/22	201408227
(22) 13.11.2014	(11) EP2900366	(32) 02.12.2013
(54) SEAL GASKET FOR FLUID FILTRATION	(21) EP13801779.3	09.05.2014
(73) Butters, Brian E.	(47) 16.09.2020	(33) United Kingdom
(72) POWELL, Anthony L.	(87) IB2013058813	United Kingdom
PEARCE, John D.	03.04.2014	<hr/>
BUTTERS, Brian E.	(22) 24.09.2013	(51) B01D 46/10
(31) 201314084493	(54) FUNCTIONALIZED SILICEOUS	B01D 46/24
(32) 19.11.2013	FILTERS FOR SAMPLING AND	F04D 19/00
(33) United States of America	PURIFICATION OF ORGANIC	F04D 25/06
<hr/>	COMPOUNDS	F04D 25/08
(51) B01D 33/067	(73) Consiglio Nazionale Delle Ricerche	F04D 29/32
(11) EP3268105	(72) GUERRIERO, Ettore	F04D 29/54
(21) EP16760950.2	PAOLINI, Valerio	F24F 3/14
(47) 16.09.2020	(31) RM20120464	F24F 3/16
(87) CA2016000064	(32) 28.09.2012	F24F 6/00
15.09.2016	(33) Italy	F24F 7/06
(22) 10.03.2016	<hr/>	F24F 13/08
(54) A METHOD OF CONSTRUCTING	(51) B01D 39/16	(11) EP3150931
A ROTARY DRUM FILTERING	(11) EP3578246	(21) EP16191475.9
APPARATUS	(21) EP19173682.6	(47) 16.09.2020
(73) GL&V Luxembourg S.a.r.l.	(47) 16.09.2020	(22) 29.09.2016
(72) GIASSON, Eric	(22) 10.05.2019	(54) AIR PURIFIER AND BLOWER DEVICE
(31) 201514645077	(54) AIR FILTER, LIGHT SOURCE DEVICE,	THEREOF
(32) 11.03.2015	AND AIR FILTER MANUFACTURING	(73) Xiaomi Inc.
(33) United States of America	METHOD	(72) SU, Jun
<hr/>	(73) Hamamatsu Photonics K.K.	WANG, Yi
(51) B01D 36/02	(72) MURAYAMA, Kyoichi	YU, Zhuoli
B01D 39/06	MATUI, Ryotaro	YUYA, Omoto
B01D 39/16	HAKAMATA, Yasumasa	(31) 201510634781
C02F 1/00	MAEJIMA, Koji	(32) 29.09.2015
C02F 1/28	(31) 2018107901	(33) China
C02F 1/32	(32) 05.06.2018	<hr/>
C02F 9/00	(33) Japan	(51) B01D 53/02
E03B 3/28	<hr/>	B01J 20/04
(11) EP3275841	(51) B01D 39/16	B01J 20/06
(21) EP17174420.4	B01D 39/20	B01J 20/08
(47) 16.09.2020	C08G 12/40	B01J 20/10
(22) 05.06.2017	C08G 12/42	B01J 20/30
(54) PRIMARY FILTER AND STORAGE	C08L 61/20	(11) EP2644265
SYSTEM	C08L 61/24	(21) EP13160900.0
(73) Ng, Tat Yung	C08L 61/28	(47) 16.09.2020
(72) Ng, Tat Yung	C08L 61/32	(22) 25.03.2013
(31) 201620795707 U	(11) EP2411468	(54) METHOD OF PREPARING AN
(32) 26.07.2016	(21) EP10710344.2	ADSORBENT FOR CARBON DIOXIDE,
(33) China	(47) 16.09.2020	ADSORBENT OBTAINABLE BY THE
<hr/>	(87) EP2010053960	METHOD, AND CAPTURE MODULE
(51) B01D 39/08	30.09.2010	FOR CARBON DIOXIDE INCLUDING
B01D 39/16	(22) 25.03.2010	THE SAME
B01D 46/52		

(73) Samsung Electronics Co., Ltd	(31) 2016108480	(47) 16.09.2020
(72) LEE, Hyun Chul	(32) 31.05.2016	(22) 18.10.2018
SEO, Jeong Gil	(33) Japan	(54) EXHAUST GAS PURIFICATION
KWON, Soon Chul	(51) B01D 53/86	SYSTEM FOR A GASOLINE ENGINE
KWON, Hyuk Jae	B01D 53/94	(73) UMICORE AG & CO. KG
(31) 20120030802	B01J 29/70	(72) SCHOENHABER, Jan
(32) 26.03.2012	B01J 29/76	RICHTER, Joerg-Michael
(33) Korea (Republic)	B01J 35/00	BRAUN, Carolin
(51) B01D 53/22	B01J 37/06	(51) B01D 61/00
B64D 37/32	C01B 39/46	B01D 61/18
(11) EP3117891	(11) EP2812283	B01D 63/04
(21) EP16179499.5	(21) EP13746187.7	C02F 1/44
(47) 16.09.2020	(47) 16.09.2020	(11) EP2759331
(22) 14.07.2016	(87) IB2013050985	(21) EP11872856.7
(54) AIR SEPARATION UNIT WITH	15.08.2013	(47) 16.09.2020
PROTECTION SYSTEM FOR	(22) 06.02.2013	(87) CN2011001653
POLYMERIC AIR SEPARATION	(54) PROCESS AND APPARATUS FOR	28.03.2013
MEMBRANE	TREATMENT OF GAS STREAMS	(22) 29.09.2011
(73) Hamilton Sundstrand Corporation	CONTAINING NITROGEN OXIDES	(54) UPRIGHT PRESSURE INFILTRATION
(72) THIBAUD, Catherine	(73) BASF SE	HYBRID MEMBRANE FILTRATION
(31) 201514799145	(72) DEUERLEIN, Stephan	SYSTEM
(32) 14.07.2015	MAURER, Stefan	(73) Zhang, Huichun
(33) United States of America	(31) 12154075	(72) Zhang, Huichun
(51) B01D 53/40	(32) 06.02.2012	(31) 201110284499
B01D 53/50	(33) European Patent Office (EPO)	(32) 22.09.2011
B01D 53/73	(51) B01D 53/94	(33) China
B01D 53/80	B01J 23/44	(51) B01F 15/00
B01D 53/96	B01J 23/46	B65D 51/24
(11) EP3323496	B01J 23/63	(11) EP3444200
(21) EP16199607.9	B01J 35/00	(21) EP18188510.4
(47) 16.09.2020	B01J 35/04	(47) 16.09.2020
(22) 18.11.2016	B01J 37/02	(22) 10.08.2018
(54) APPARATUS AND METHOD FOR	F01N 3/10	(54) LID FOR A MIXING AND DOSING
REDUCING ACID GAS EMISSIONS	F01N 3/28	CONTAINER
WITH ZERO LIQUID DISCHARGE OF	(11) EP3466541	(73) WEPA Apotekenbedarf GmbH & Co.KG
WASTE WATER	(21) EP17802602.7	(72) KUBE, Karsten
(73) General Electric Technology GmbH	(47) 16.09.2020	(31) 202017104889 U
(72) WANG, Wuyin	(87) JP2017018077	(32) 14.08.2017
ZHOU, Jingchuan	30.11.2017	(33) Germany
JOHANSSON, Lars-Erik	(22) 12.05.2017	(51) B01J 3/08
(51) B01D 53/50	(54) EXHAUST GAS PURIFYING CATALYST	F16C 33/04
B01D 53/83	(73) Cataler Corporation	F16C 33/20
(11) EP3581258	(72) TAKESUE, Yuki	F16C 33/58
(21) EP18177727.7	MURAKAMI, Kyosuke	F16C 33/64
(47) 16.09.2020	ONOE, Ryota	F16C 33/66
(22) 14.06.2018	(31) 2016103467	(11) EP3161335
(54) REACTOR FOR CLEANING FLUE GAS	(32) 24.05.2016	(21) EP15729460.4
BY A DRY OR QUASI-DRY SORPTION	(33) Japan	(47) 16.09.2020
PROCESS	(51) B01D 53/94	(87) EP2015063353
(73) Doosan Lentjes GmbH	B01J 23/46	30.12.2015
(72) BROSCHE, Björn	F01N 3/035	(22) 15.06.2015
NARIN, Oguzhan	F01N 3/10	(54) BEARING ELEMENT AND SLIDING
(51) B01D 53/56	(11) EP3639922	LAYER MATERIAL FOR A BEARING
F23J 15/00	(21) EP18201093.4	ELEMENT
F23J 15/02	(47) 16.09.2020	(73) Mahle Engine Systems UK Limited
F23J 15/08	(22) 18.10.2018	Mahle International GmbH
(11) EP3467381	(54) EXHAUST GAS PURIFICATION	(72) LATHAM, David
(21) EP17806064.6	SYSTEM FOR A GASOLINE ENGINE	PHIPPS, Natalie
(47) 16.09.2020	(73) UMICORE AG & CO. KG	(31) 201411314
(87) JP2017004421	(72) SCHOENHABER, Jan	(32) 25.06.2014
07.12.2017	RICHTER, Joerg-Michael	(33) United Kingdom
(22) 07.02.2017	BRAUN, Carolin	(51) B01J 8/00
(54) EXHAUST GAS DENITRATION DEVICE,	(51) B01D 53/94	B01J 19/18
INCINERATOR AND EXHAUST GAS	B01J 23/46	C08F 2/00
DENITRATION METHOD	F01N 3/035	C08F 2/01
(73) Hitachi Zosen Corporation	F01N 3/10	C08F 10/00
(72) TANAKA, Toru	(11) EP3639920	C08F 210/16
KUBO, Shohei	(21) EP18201091.8	(11) EP2886559

(21) EP15152308.1	H01M 4/505	F24H 1/10
(47) 16.09.2020	H01M 4/525	F24H 1/14
(22) 16.09.2003	H01M 10/0525	F24H 9/00
(54) Polymerization reactor having large length/diameter ratio	(11) EP3150557	F28F 1/40
(73) CHEVRON PHILLIPS CHEMICAL COMPANY LP	(21) EP15799078.9	F28F 13/12
(72) Kufeld, Scott E.	(47) 16.09.2020	F28F 19/00
Reid, Thomas A.	(87) JP2015064474	H05B 3/34
Tait, John H.	03.12.2015	(11) EP3377837
Burns, David H.	(22) 20.05.2015	(21) EP16865874.8
Verser, Donald W.	(54) COATED LITHIUM-NICKEL COMPOSITE OXIDE PARTICLES, AND METHOD FOR PRODUCING COATED LITHIUM-NICKEL COMPOSITE OXIDE PARTICLES	(47) 16.09.2020
Hottovy, John D.	(73) Sumitomo Metal Mining Co., Ltd.	(87) IL2016051190
Hensley, Harvey D.	(72) OTA, Yosuke	26.05.2017
Cymbaluk, Teddy	YAMABE, Hidetoshi	(22) 03.11.2016
Franklin, Robert K.	(31) 2014112650	(54) APPARATUS FOR RAPID HEATING OF LIQUIDS
Perez, Ethelwoldo P.	(32) 30.05.2014	(73) Genie Enterprise Ltd.
Przelomski, David J.	(33) Japan	(72) MARCO, Doron Bernard
(31) 411208 P	(51) B01J 19/00	CARASSO, Ayelet
251662	C07K 1/04	(31) 201514942149
(32) 16.09.2002	C40B 30/00	(32) 16.11.2015
20.09.2002	C40B 40/10	(33) United States of America
(33) United States of America	C40B 50/14	(51) B01J 23/42
United States of America	G01N 33/50	B01J 32/00
(51) B01J 13/02	(11) EP3022340	B01J 37/08
C08L 3/02	(21) EP14825858.5	C09C 1/48
C09D 103/00	(47) 16.09.2020	C09C 1/54
D21H 17/28	(87) CA2014050683	C09C 1/56
D21H 17/29	22.01.2015	H01M 4/96
D21H 19/54	(22) 18.07.2014	H01M 8/10
(11) EP3336138	(54) PARALLEL ORGANIC SYNTHESIS ON PATTERNED PAPER USING A SOLVENT-REPELLING MATERIAL	C01B 32/00
(21) EP18152490.1	(73) The Governors of the University of Alberta	(11) EP3385336
(47) 16.09.2020	(72) DERDA, Ratmir	(21) EP16870585.3
(22) 19.09.2012	DEISS, Frederique	(47) 16.09.2020
(54) STABLE AQUEOUS DISPERSIONS COMPRISING COMPLEXED STARCH	(31) 201361847647 P	(87) JP2016085131
(73) Novamont S.p.A.	201461970998 P	08.06.2017
(72) Bastioli, Catia	(32) 18.07.2013	(22) 28.11.2016
Capuzzi, Luigi	27.03.2014	(54) CARBON BLACK, ELECTRODE CATALYST AND FUEL CELL USING SAME, AND METHOD FOR PRODUCING CARBON BLACK
Magistrali, Paolo	(33) United States of America	(73) University of Yamanashi
(31) MI20111680	United States of America	Denka Company Limited
MI20121253	(51) B01J 19/24	(72) UCHIDA Makoto
(32) 19.09.2011	C07C 273/04	KAKINUMA Katsuyoshi
18.07.2012	(11) EP3436430	IKEDA Daiki
(33) Italy	(21) EP17718144.3	HARADA Yusaku
Italy	(47) 16.09.2020	MIYAKAWA Takeshi
(51) B01J 13/04	(87) NL2017050196	(31) 2015233050
(11) EP3302781	05.10.2017	(32) 30.11.2015
(21) EP16728855.4	(22) 30.03.2017	(33) Japan
(47) 16.09.2020	(54) UREA PRODUCTION WITH BI-PRESSURIZED SYNTHESIS	(51) B01J 29/70
(87) EP2016061800	(73) Stamicarbon B.V.	C10G 45/02
08.12.2016	(72) COLOMA GONZÁLEZ, Juan	C10G 45/62
(22) 25.05.2016	DIELTJENS, Luc Louis Maria	C10G 45/64
(54) SPRAY DRYING	MENNEN, Johannes Henricus	C10G 65/04
(73) Givaudan S.A.	(31) 16162901	(11) EP3478798
(72) GUISSINGER, Robert	(32) 30.03.2016	(21) EP17729307.3
MCKEE, Mary Amanda	(33) European Patent Office (EPO)	(47) 16.09.2020
PEARL, Theodore T.	(51) B01J 19/24	(87) US2017034967
WORKS, James R.	F02G 1/055	04.01.2018
(31) 201562168381 P	F22B 1/00	(22) 30.05.2017
(32) 29.05.2015	F22B 1/28	(54) PRODUCTION OF LOW CLOUD POINT DISTILLATE FUELS
(33) United States of America	F24D 19/00	(73) ExxonMobil Research and Engineering Company
(51) B01J 13/04	F24H 1/00	(72) SHIH, Stuart, S.
C01G 53/00		HILBERT, Timothy, L.
H01M 4/04		SKOULIDAS, Anastasios, I.
H01M 4/36		
H01M 4/131		
H01M 4/1391		

PATEL, Bryan, A.	(32) 30.10.2014	Friedrich-Alexander-Universität Erlangen-Nürnberg
CHUBA, Michael, R.	(33) Korea (Republic)	
SMYTH, Sean, C.	(51) B01L 3/00	(72) MIEDL, Walter
KALYANARAMAN, Mohan	B04B 5/04	FRIEDRICH, Oliver
(31) 201662356109 P	B04B 13/00	GILBERT, Daniel
(32) 29.06.2016	(11) EP3124121	(31) 15003307
(33) United States of America	(21) EP15769293.0	(32) 20.11.2015
(51) B01L 3/00	(47) 16.09.2020	(33) European Patent Office (EPO)
B01L 3/14	(87) KR2015003096	(51) B02C 4/30
C12M 1/12	01.10.2015	(11) EP3405287
C12M 3/00	(22) 30.03.2015	(21) EP17700339.9
(11) EP2912159	(54) CENTRIFUGATION DEVICE,	(47) 16.09.2020
(21) EP13786326.2	CENTRIFUGATION METHOD, AND	(87) EP2017050558
(47) 16.09.2020	SEPARATION CONTAINER	27.07.2017
(87) NL2013050761	(73) Lee, Jun Seok	(22) 12.01.2017
08.05.2014	(72) Lee, Jun Seok	(54) WEAR-RESISTANT ELEMENT FOR A
(22) 29.10.2013	(31) 20140037246	COMMUNUTING DEVICE
(54) EPITHELIAL TISSUE MODEL	(32) 28.03.2014	(73) thyssenkrupp Industrial Solutions AG
(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO	(33) Korea (Republic)	thyssenkrupp AG
(72) WORTELBOER, Helena Maria	(51) B01L 3/00	(72) IRMAK, Baris
GROSSOUW, Dimitri	B04B 5/04	NEITEMEIER, Ingo
(31) 12190442	G01N 35/00	BANNERT, Marcel
(32) 29.10.2012	(11) EP3421133	(31) 102016200912
(33) European Patent Office (EPO)	(21) EP17178110.7	(32) 22.01.2016
(51) B01L 3/00	(47) 16.09.2020	(33) Germany
B01L 7/00	(22) 27.06.2017	(51) B03C 3/02
C12M 1/34	(54) CENTRIFUGAL PROCESSING UNIT	B03C 3/68
G01N 21/64	(73) TECAN TRADING AG	(11) EP2582462
(11) EP2935559	(72) Spiss, Markus	(21) EP11725481.3
(21) EP13865446.2	Sager, Adrian	(47) 16.09.2020
(47) 16.09.2020	Schinzler, Fred	(87) EP2011060136
(87) US2013077244	Wolf, Markus	22.12.2011
26.06.2014	(51) B01L 3/00	(22) 17.06.2011
(22) 20.12.2013	G01N 1/40	(54) DEVICE AND METHOD TO CONTROL
(54) FLUORESCENCE DETECTION SYSTEM	G01N 27/72	THE LINE DISTORTION OF A
(73) PerkinElmer Health Sciences, Inc.	G01N 27/74	SYSTEM OF POWER SUPPLIES OF
(72) BATTRELL, C., Frederick	G01N 33/50	ELECTROSTATIC PRECIPITATORS
DAIBER, Troy, D.	G01N 33/52	(73) General Electric Technology GmbH
HUNTER, William, Samuel	G01N 33/543	(72) RANSTAD, Per
(31) 201261745329 P	G01N 33/574	LINNER, Jörgen
(32) 21.12.2012	(11) EP3193170	(31) 10166579
(33) United States of America	(21) EP17151834.3	(32) 18.06.2010
(51) B01L 3/00	(47) 16.09.2020	(33) European Patent Office (EPO)
B01L 7/00	(22) 05.04.2012	(51) B03D 1/004
C12M 1/38	(54) MICRO-FLUIDIC SYSTEM USING	B03D 1/01
C12Q 1/68	MICRO-APERTURES FOR HIGH	B03D 1/02
(11) EP3214164	THROUGHPUT DETECTION OF	C22B 3/00
(21) EP15854609.3	ENTITIES	(11) EP3481558
(47) 16.09.2020	(73) Purdue Research Foundation	(21) EP17734358.9
(87) KR2015011605	(72) SAVRAN, Cagri A.	(47) 16.09.2020
06.05.2016	LOW, Philip S.	(87) EP2017066709
(22) 30.10.2015	CHANG, Chun-Li	11.01.2018
(54) MICROFLUIDIC DEVICE FOR	(31) 201161471762 P	(22) 05.07.2017
DETECTING TARGET GENE, METHOD	(32) 05.04.2011	(54) PROCESS TO TREAT MAGNETITE
FOR MANUFACTURING SAME, AND	(33) United States of America	ORE AND COLLECTOR COMPOSITION
METHOD FOR DETECTING USING	(51) B01L 3/00	(73) Nouryon Chemicals International B.V.
SAME	G01N 21/00	(72) WIDELL, Mikael Ivar
(73) Ewha University-Industry Collaboration	G01N 33/569	JANIAK, John André
Foundation	(11) EP3377902	GUSTAFSSON, Jan Olof
Korea Advanced Institute of Science and	(21) EP16798628.0	NORDBERG, Henrik
Technology	(47) 16.09.2020	(31) 16178726
(72) LEE, Hyukjin	(87) EP2016001925	(32) 08.07.2016
LEE, Haeshin	26.05.2017	(33) European Patent Office (EPO)
LEE, Ho Yeon	(22) 18.11.2016	(51) B04B 15/02
JUNG, Il Young	(54) METHOD AND DEVICE FOR	F25B 7/00
(31) 20140149495	DETECTING BACTERIA	(11) EP3479903
	(73) Sinamira AG	(21) EP17200209.9
		(47) 16.09.2020

(22) 06.11.2017	28.04.2015	SPRAY APPLICATION OF COATING
(54) CENTRIFUGE	30.04.2015	MATERIALS
(73) Sigma Laborzentrifugen GmbH	29.05.2015	(73) DAW SE
(72) Riese, Christian	(33) Japan	(72) Ottens, Stephan
(51) B05B 1/04	Japan	Breivogel, Aaron
B05B 3/00	Japan	(51) B05C 5/00
B05B 3/06	Japan	B05C 11/10
B05B 13/06	Japan	B41J 2/01
(11) EP3513877	(51) B05B 1/30	B41J 2/155
(21) EP19020022.0	B05B 7/02	B41J 2/21
(47) 16.09.2020	B05B 7/12	B41J 3/54
(22) 15.01.2019	B05B 7/24	B65D 25/20
(54) NOZZLE DEVICE FOR DISPENSING FLUIDS	(11) EP3318332	(11) EP3127703
(73) Layher, Michael	(21) EP17199970.9	(21) EP15772749.6
(72) Layher, Michael	(47) 16.09.2020	(47) 16.09.2020
(31) 102018000528	(22) 03.11.2017	(87) JP2015056089
(32) 21.01.2018	(54) PNEUMATIC SPRAYING ASSEMBLY, RESTRICTOR FOR SUCH AN	08.10.2015
(33) Germany	ASSEMBLY AND INSTALLATION FOR PROJECTING A COATING PRODUCT COMPRISING SUCH AN ASSEMBLY OR SUCH A RESTRICTOR	(22) 02.03.2015
(51) B05B 1/08	(73) Exel Industries	(54) PRINTING APPARATUS AND METHOD FOR MANUFACTURING CAN ON WHICH IMAGE IS FORMED
(11) EP2656922	(72) LE CARDINAL, Johan	(73) Showa Aluminum Can Corporation
(21) EP13165583.9	COGNON, Thibault	(72) OJIMA, Shinichi
(47) 16.09.2020	(31) 1660689	IKEDA, Kazunori
(22) 26.04.2013	(32) 04.11.2016	KASHIWAZAKI, Tetsuo
(54) Sprayer nozzle apparatus	(33) France	SUWA, Asumi
(73) Deere & Company	(51) B05B 11/00	(31) 2014075735
(72) Funseth, Travis G	(11) EP3426411	(32) 01.04.2014
Humpal, Richard A	(21) EP17716130.4	(33) Japan
(31) 201213457598	(47) 16.09.2020	(51) B05C 5/02
(32) 27.04.2012	(87) EP2017055375	B29C 48/02
(33) United States of America	14.09.2017	B29C 48/05
(51) B05B 1/18	(22) 07.03.2017	B29C 48/154
C02F 1/00	(54) DISPENSER PUMPS	B29C 48/30
C02F 9/00	(73) Rieke Packaging Systems Limited	B29C 48/91
E03C 1/04	(72) KNIGHT, Simon Christopher	B29C 48/92
(11) EP2683657	(31) 201603857	(11) EP2943324
(21) EP12707619.8	(32) 07.03.2016	(21) EP14703173.6
(47) 16.09.2020	(33) United Kingdom	(47) 16.09.2020
(87) EP2012054119	(51) B05B 11/02	(87) IB2014058173
13.09.2012	B05B 11/04	17.07.2014
(22) 09.03.2012	G01F 11/04	(22) 10.01.2014
(54) PLUMBING FIXTURE	G01F 11/28	(54) PROCESS FOR EXTRUDING BANDS OF MATERIAL ONTO A SUBSTRATE
(73) Johs. Tandrup Metalvarefabrik APS	(11) EP2342542	(73) Zephyros Inc.
(72) TANDRUP, Andreas	(21) EP09784338.7	(72) MORRAL NOVELLAS, Xabier
(31) 11157668	(47) 16.09.2020	CROUZET, Francois
(32) 10.03.2011	(87) FR2009001277	EPP, Christophe
(33) European Patent Office (EPO)	14.05.2010	(31) 201300483
(51) B05B 1/30	(22) 04.11.2009	(32) 11.01.2013
B05B 1/34	(54) DIFFERENTIAL PRESSURE DOSING DEVICE	(33) United Kingdom
B05B 11/00	(73) Flexidose	(51) B05C 17/005
B65D 47/34	(72) Wozna, Patrick	(11) EP3178548
(11) EP3213822	(31) 0806164	(21) EP15829844.8
(21) EP15853909.8	(32) 05.11.2008	(47) 16.09.2020
(47) 16.09.2020	(33) France	(87) JP2015071863
(87) JP2015080385	(51) B05B 15/00	11.02.2016
06.05.2016	(11) EP3332876	(22) 31.07.2015
(22) 28.10.2015	(21) EP16202741.1	(54) LATCHING MEMBER, MIXING TIP, AND DOUBLE SYRINGE
(54) TRIGGER-TYPE LIQUID SPRAYER	(47) 16.09.2020	(73) GC Corporation
(73) Yoshino Kogyosho Co., Ltd.	(22) 07.12.2016	(72) KOJIMA, Shinichi
(72) KAKUTA, Yoshiyuki	(54) METHOD FOR DETERMINING THE PARTICLE SIZES AND/OR THE AMOUNT OF PARTICLES IN OVERSPRAY AEROSOLS IN THE	CHIBA, Shigeru
TOMA, Toru		FUJII, Akihiro
(31) 2014223600		(31) 2014158717
2015074394		(32) 04.08.2014
2015091659		(33) Japan
2015093160		(51) B05C 17/005
2015110463		
(32) 31.10.2014		
31.03.2015		

E04F 21/08	(31) 92885	(47) 16.09.2020
(11) EP3445926	(32) 25.11.2015	(87) EP2017053405
(21) EP17718089.0	(33) Luxembourg	24.08.2017
(47) 16.09.2020	(51) B06B 1/06	(22) 15.02.2017
(87) EP2017059267	G01F 1/66	(54) DEVICE AND METHOD FOR
26.10.2017	G01P 5/24	ANALYSING MATERIALS IN A
(22) 19.04.2017	(11) EP3338064	MATERIAL FLOW AND SORTING
(54) A PLASTERING MACHINE AND	(21) EP16742317.7	DEVICE
A METHOD FOR OPERATING A	(47) 16.09.2020	(73) Fraunhofer-Gesellschaft zur Förderung
PLASTERING MACHINE	(87) EP2016067735	der angewandten Forschung e.V.
(73) FASTER PLASTER AP S	23.02.2017	(72) LÄNGLE, Thomas
(72) KLOSTER, Hans	(22) 26.07.2016	GRUNA, Robin
(31) 201670239	(54) ULTRASONIC TRANSDUCER WITH	NÜSSLER, Dirk
(32) 19.04.2016	A CAVITY AND METHOD FOR	KÜTER, Andries
(33) Denmark	PRODUCTION OF A ULTRASOUND	KIENINGER, Michael
(51) B05C 17/01	TRANSDUCER	BRANDT, Christian
(11) EP3380255	(73) Endress+Hauser Flowtec AG	(31) 102016202530
(21) EP16808877.1	(72) BEZDEK, Michal	(32) 18.02.2016
(47) 16.09.2020	UEBERSCHLAG, Pierre	(33) Germany
(87) US2016063266	BERGER, Andreas	(51) B08B 7/00
01.06.2017	WANDELER, Frank	D06B 3/10
(22) 22.11.2016	(31) 102015113561	D06B 3/32
(54) A DISPENSER AND A METHOD OF	(32) 17.08.2015	D06F 43/06
DISPENSING A PASTY MATERIAL	(33) Germany	D06G 1/00
(73) 3M Innovative Properties Company	(51) B06B 1/18	D06L 1/18
(72) PAUSER, Helmut	E01B 27/16	(11) EP3430191
PEUKER, Marc	(11) EP3545134	(21) EP17709609.6
BERTL, Mathias	(21) EP17793570.7	(47) 16.09.2020
BROYLES, Bruce R.	(47) 16.09.2020	(87) EP2017054655
(31) 15196651	(87) EP2017001266	21.09.2017
(32) 27.11.2015	31.05.2018	(22) 28.02.2017
(33) European Patent Office (EPO)	(22) 30.10.2017	(54) PROCESS FOR WASHING FABRICS
(51) B05D 1/18	(54) TAMPING UNIT FOR TAMPING	(73) Lafer S.p.A.
G01N 21/80	SLEEPERS OF A TRACK	(72) SCORTEGAGNA, Bruno
G01N 31/22	(73) Plasser & Theurer Export Von	(31) UB20161694
(11) EP3283236	Bahnbaumaschinen Gesellschaft m.b.H.	(32) 15.03.2016
(21) EP16722057.3	(72) PHILIPP, Thomas	(33) Italy
(47) 16.09.2020	(31) 5332016	(51) B09B 3/00
(87) EP2016058030	(32) 25.11.2016	B29B 17/02
20.10.2016	(33) Austria	B29K 105/06
(22) 12.04.2016	(51) B07C 5/342	B29K 307/04
(54) METHOD FOR GRAFTING A	(11) EP2548147	B29K 309/08
COLOURED INDICATOR ONTO	(21) EP11756656.2	C01G 3/02
A SOLID SUBSTRATE AND	(47) 16.09.2020	C01G 23/053
IMPLEMENTATION KIT	(87) US2011000465	C01G 41/02
(73) Commissariat à l'Énergie Atomique et	22.09.2011	C08J 11/16
aux Énergies Alternatives	(22) 14.03.2011	(11) EP3124528
(72) DOIZI, Denis	(54) METHOD TO RECOGNIZE AND	(21) EP15768800.3
DENIAU, Guy	CLASSIFY A BARE-ROOT PLANT	(47) 16.09.2020
FAGES, Mathias	(73) Carnegie Mellon University	(87) JP2015059028
(31) 1553201	(72) STAGER, David, Jonathan	01.10.2015
(32) 13.04.2015	BAGNELL, James, Andrew	(22) 25.03.2015
(33) France	FROMME, Christopher, Chandler	(54) METHOD FOR USING TITANIUM
(51) B05D 5/06	BAKER, L., Douglas	OXIDE GRANULES TO RECOVER
B32B 27/08	CUZZILLO, Elliot, Allen	REINFORCING MATERIAL FROM
B32B 27/30	LAROSE, David, Arthur	REINFORCED PLASTIC
B41M 7/00	SERGI-CURFMAN, Michael, Knoll	(73) Rapas Corporation
E04F 15/00	(31) 340091 P	(72) KITAMURA, Keiko
(11) EP3173229	(32) 13.03.2010	KASHIMOTO, Itsushi
(21) EP16199923.0	(33) United States of America	NISHIMURA, Masahiro
(47) 16.09.2020	(51) B07C 5/344	(31) 2014065649
(22) 22.11.2016	B07C 5/36	(32) 27.03.2014
(54) METHOD FOR PRODUCING A	G01N 21/84	(33) Japan
RESILIENT FLOOR COVERING WITH A	G01N 21/85	(51) B21B 1/02
PRINTED DECORATIVE LAYER	G01N 33/44	B21B 3/00
(73) Tarkett GDL	G01N 21/3581	B21J 1/02
(72) KACKMANN-SCHNEIDER, Klaas	(11) EP3329254	C21D 1/18
BRANKOV, Igor	(21) EP17705398.0	C21D 7/13

C21D 8/02	(51) B21B 3/02	SHEETS, AND SHEETS THUS
C22C 38/02	C21D 1/32	PRODUCED
C22C 38/04	C21D 8/02	(73) Arcelormittal
C22C 38/08	C21D 9/46	(72) DECHASSEY, Emmanuel
C22C 38/12	C22C 38/00	SILVY LELIGOIS, Christophe
C22C 38/20	C22C 38/02	CHICHARRO HERRANZ, Francisco
C22C 38/22	C22C 38/04	POLO MESTRE, Vicente
C22C 38/24	C22C 38/06	THEYSSIER, Marie-Christine
C22C 38/28	C22C 38/12	CELOTTO, Thierry
C22C 38/32	C22C 38/14	KACZYNSKI, Christine
C22C 38/42	C22C 38/22	DUPUIS, Thomas
C22C 38/44	C22C 38/24	NGO, Quang-Tien
C22C 38/46	C22C 38/28	(31) PCT/IB2016/000378
C22C 38/50	C22C 38/34	(32) 25.03.2016
C22C 38/54	C22C 38/38	(33) World Intellectual Property Office (WIPO)
(11) EP3222744	(11) EP2876178	(51) B21B 35/12
(21) EP15861988.2	(21) EP13819269.5	(11) EP3415246
(47) 16.09.2020	(47) 16.09.2020	(21) EP18175885.5
(87) JP2015005726	(87) JP2013069805	(47) 16.09.2020
26.05.2016	23.01.2014	(22) 05.06.2018
(22) 17.11.2015	(22) 22.07.2013	(54) METHOD FOR DETERMINING THE
(54) HIGH TOUGHNESS AND HIGH	(54) STEEL MATERIAL	EFFECTIVE OUTPUT TORQUE OF A
TENSILE STRENGTH THICK STEEL	(73) Nippon Steel Corporation	TRANSFER BOX
PLATE WITH EXCELLENT MATERIAL	(72) KAWANO, Kaori	(73) SMS Group GmbH
HOMOGENEITY	TASAKA, Masahito	(72) Lazzaro, Klaus
(73) JFE Steel Corporation	NAKAZAWA, Yoshiaki	Steinseifer, Jan
(72) KURONUMA, Yota	TANAKA, Yasuaki	(31) 102017209864
OHTSUBO, Hirofumi	TOMIDA, Toshiro	102017220743
KITSUYA, Shigeki	(31) 2012161730	(32) 12.06.2017
ICHIMIYA, Katsuyuki	(32) 20.07.2012	21.11.2017
HASE, Kazukuni	(33) Japan	(33) Germany
(31) 2014233754	(51) B21B 3/02	Germany
(32) 18.11.2014	C21D 6/00	(51) B21B 37/74
(33) Japan	C21D 8/12	(11) EP3495056
(51) B21B 1/40	C22C 38/00	(21) EP17206426.3
B32B 15/01	C22C 38/02	(47) 16.09.2020
C21D 8/04	C22C 38/04	(22) 11.12.2017
C21D 9/46	C22C 38/06	(54) IMPROVED CONTROL OF WATER
C22C 19/03	C22C 38/12	CONSERVANCY OF A COOLING
C22C 38/00	C22C 38/16	SECTION
C22C 38/02	C22C 38/60	(73) Primetals Technologies Austria GmbH
C22C 38/04	H01F 1/16	Primetals Technologies Germany GmbH
C22C 38/06	(11) EP2546367	(72) Weinzierl, Klaus
C22C 38/12	(21) EP11753517.9	Eder, Manfred
C22C 38/14	(47) 16.09.2020	Razinkov, Jurij
C25D 5/26	(87) JP2011056127	Schlapak, Christian
C25D 5/36	15.09.2011	(51) B21B 37/74
C25D 5/48	(22) 09.03.2011	B21B 37/76
C25D 7/06	(54) METHOD FOR PRODUCING	C21D 8/02
H01M 4/66	ORIENTED ELECTRICAL STEEL	C21D 8/04
(11) EP2743365	SHEETS	C21D 9/46
(21) EP13779056.4	(73) JFE Steel Corporation	C21D 11/00
(47) 16.09.2020	(72) SADAHIRO, Kenichi	(11) EP3430175
(87) JP2013061472	(31) 2010055916	(21) EP17710844.6
24.10.2013	(32) 12.03.2010	(47) 16.09.2020
(22) 18.04.2013	(33) Japan	(87) EP2017054978
(54) STEEL FOIL AND METHOD FOR	(51) B21B 15/00	21.09.2017
PRODUCING SAME	C21D 8/02	(22) 03.03.2017
(73) Nippon Steel Corporation	C21D 9/46	(54) METHOD FOR ROLLING AND/OR HEAT
NIPPON STEEL Chemical & Material	C21D 9/50	TREATING A METAL STRIP
Co., Ltd.	(11) EP3433387	(73) SMS Group GmbH
(72) ISHIZUKA, Kiyokazu	(21) EP17711001.2	(72) BIGLARI, Mostafa
KUBO, Yuji	(47) 16.09.2020	BEHRENS, Holger
NAKATSUKA, Jun	(87) IB2017000176	KLEIN, Carsten Andreas
NAGASAKI, Shuji	28.09.2017	KLINKENBERG, Christian
(31) 2012095840	(22) 27.02.2017	KÜMMEL, Lutz
(32) 19.04.2012	(54) METHOD FOR MANUFACTURING	SOMMERS, Ulrich
(33) Japan	COLD-ROLLED, WELDED STEEL	(31) 102016204147

102016222644	(33) Germany	TRANSMITTER, PRODUCTION OF
(32) 14.03.2016	Germany	SUCH AN INTERCONNECTION,
17.11.2016	(51) B21D 3/02	VIBRATION TYPE SENSOR AND
(33) Germany	B21D 55/00	VIBRONIC MEASURING DEVICE
Germany	(11) EP2731738	(73) Endress+Hauser Flowtec AG
(51) B21B 45/08	(21) EP12759181.6	(72) SCHÜTZE, Christian
C21D 8/02	(47) 16.09.2020	BRAUN, Marcel
C21D 9/46	(87) IB2012001356	BUTZBACH, Dirk
C22C 38/00	17.01.2013	LORENZ, Rainer
C22C 38/14	(22) 10.07.2012	(31) 102013114742
C22C 38/60	(54) STRAIGHTENING DEVICE WITH	(32) 20.12.2013
C23C 2/02	HYPERBOLIC ROLLS FOR METAL	(33) Germany
C23C 2/06	PRODUCTS AND CORRESPONDING	(51) B21D 43/00
C23C 2/28	METHOD	B21D 43/20
C23C 2/40	(73) Danieli & C. Officine Meccaniche, S.p.A.	B21D 43/28
C25D 5/48	(72) CLOCCHIATTI, Loris	B21F 23/00
(11) EP3395974	MIGALI, Simone, Antonio	B65G 47/14
(21) EP16878470.0	(31) UD20110108	B65G 47/92
(47) 16.09.2020	(32) 11.07.2011	(11) EP3159072
(87) JP2016087023	(33) Italy	(21) EP16194824.5
29.06.2017	(51) B21D 5/01	(47) 16.09.2020
(22) 13.12.2016	B21D 22/20	(22) 20.10.2016
(54) HIGH-STRENGTH STEEL SHEET AND	B21D 22/26	(54) APPARATUS FOR FEEDING METAL
METHOD FOR MANUFACTURING THE	B21D 24/06	BARS IN A CONTROLLED NUMBER TO
SAME	(11) EP3441153	A MANUFACTURING MACHINE
(73) JFE Steel Corporation	(21) EP17779108.4	(73) Oscan S.r.l.
(72) KIZU Taro	(47) 16.09.2020	(72) PERUZZO, Stefano
KIDO Akimasa	(87) JP2017013982	(31) UB20155189
TADANI Tetsushi	12.10.2017	(32) 23.10.2015
(31) 2015250262	(22) 03.04.2017	(33) Italy
(32) 22.12.2015	(54) METHOD FOR PRODUCING PRESS-	(51) B21D 51/26
(33) Japan	MOLDED ARTICLE AND PRODUCTION	(11) EP3412373
(51) B21C 37/22	LINE THEREOF	(21) EP18176580.1
F28F 1/06	(73) Nippon Steel Corporation	(47) 16.09.2020
F28F 1/16	(72) NATORI, Junki	(22) 07.06.2018
(11) EP2232187	NAKAZAWA, Yoshiaki	(54) PROCESSING DEVICE AND METHOD
(21) EP08855568.5	NISHIMURA, Ryuichi	WITH TOOLS MOVING RELATIVE TO
(47) 16.09.2020	OGAWA, Keiji	EACH OTHER
(87) IB2008003269	(31) 2016074866	(73) Mall + Herlan GmbH
04.06.2009	(32) 04.04.2016	(72) Weis, Manfred
(22) 28.11.2008	(33) Japan	Peter, Mathias
(54) HEAT TRANSFER TUBE	(51) B21D 19/04	(31) 102017112771
(73) Bundy Refrigeration International Holding	B21D 39/02	(32) 09.06.2017
B.V.	B21D 43/00	(33) Germany
(72) KIRCHNER, Jörg	B21D 43/10	(51) B21D 53/74
BALLI, Carlo	B21D 53/88	(11) EP3434386
CATALAN, Ignacio	(11) EP3479920	(21) EP18185371.4
(31) 202007016841 U	(21) EP17826123.6	(47) 16.09.2020
(32) 30.11.2007	(47) 16.09.2020	(22) 25.07.2018
(33) Germany	(87) JP2017022269	(54) A CORNER CRIMPING MACHINE AND
(51) B21C 47/04	20.12.2018	A METHOD FOR CRIMPING CORNERS
B21C 47/34	(22) 16.06.2017	(73) FIMTEC-POLSKA Sp. z o.o. Sp.k.
(11) EP3511083	(54) HEMMING DEVICE AND HEMMING	(72) Lewandowski, Marek
(21) EP19151583.2	METHOD	(31) 42234917
(47) 16.09.2020	(73) Hirotec Corporation	42235017
(22) 14.01.2019	(72) HORIKE, Kohei	(32) 26.07.2017
(54) DEVICE AND METHOD FOR COILING	TOMINAGA, Makoto	26.07.2017
A METALLIC STRIP	(51) B21D 39/04	(33) Poland
(73) SMS Group GmbH	G01F 1/84	Poland
(72) Mengel, Christian	(11) EP3084366	(51) B21F 27/04
Müller, Heinz-Adolf	(21) EP14802377.3	E01F 7/04
Cramer, Ulrich	(47) 16.09.2020	(11) EP3354799
Kastner, Andreas	(87) EP2014074711	(21) EP18151838.2
Holzhauser, Thomas	25.06.2015	(47) 16.09.2020
(31) 102018200638	(22) 17.11.2014	(22) 16.01.2018
102019200196	(54) INTERCONNECTION OF A METAL	(54) WIRE MESH AND METHOD FOR THE
(32) 16.01.2018	TUBE, A METAL SLEEVE AND A	PRODUCTION OF A FILAMENT FOR A
10.01.2019	METAL BODY OF A VIBRATION TYPE	WIRE MESH

(73) Geobruugg AG	G01F 23/288	(72) ZHANG, Chen
(72) WENDELER-GÖGELMANN, Corinna	G01N 22/00	CAI, Dexiang
(31) 102017101756	G01N 23/00	SHEN, Jianguo
(32) 30.01.2017	G01N 27/74	MEI, Feng
(33) Germany	(11) EP2399101	(31) 201210078394
(51) B21J 9/02	(21) EP10743384.9	(32) 22.03.2012
B21J 15/12	(47) 16.09.2020	(33) China
B21K 25/00	(87) CA2010000256	(51) B22D 17/14
B23P 6/00	26.08.2010	B22D 17/22
B23P 15/04	(22) 23.02.2010	B22D 21/00
(11) EP3096898	(54) ELECTROMAGNETIC BATH	B22D 21/02
(21) EP15708184.5	LEVEL MEASUREMENT FOR	B29C 45/26
(47) 16.09.2020	PYROMETALLURGICAL FURNACES	(11) EP2540416
(87) EP2015054384	(73) Hatch LTD.	(21) EP12169075.4
24.09.2015	(72) SADRI, Afshin	(47) 16.09.2020
(22) 03.03.2015	SHAMELI, Ehsan	(22) 23.05.2012
(54) METHOD FOR CLOSING A HOLE AND	WASMUND, Bert O.	(54) System and method for high temperature
COMPONENT	VOERMANN, Nils W.	die casting tooling
(73) Siemens Aktiengesellschaft	(31) 154448 P	(73) United Technologies Corporation
(72) HESELHAUS, Andreas	(32) 23.02.2009	(72) Castle, Lea Kennard
NÖRTERSCHÄUSER, Philipp	(33) United States of America	Bochiechio, Mario P
PAUL, Uwe	(51) B22D 11/00	(31) 201113173602
STEMMLER, Michael	C22C 21/02	(32) 30.06.2011
(31) 102014204912	(11) EP3400316	(33) United States of America
(32) 17.03.2014	(21) EP16884235.9	(51) B22D 31/00
(33) Germany	(47) 16.09.2020	B25J 11/00
(51) B22C 9/06	(87) US2016069495	B25J 15/00
B22C 9/08	13.07.2017	B26D 1/00
F16D 55/00	(22) 30.12.2016	B26D 1/04
(11) EP3046697	(54) NEW 6XXX ALUMINUM ALLOYS, AND	B26D 3/10
(21) EP14715129.4	METHODS OF MAKING THE SAME	B26D 3/28
(47) 16.09.2020	(73) Arconic Technologies LLC	B26D 5/04
(87) JP2014001479	(72) NEWMAN, John M.	B26D 5/12
26.03.2015	HOSCH, Timothy A.	B26D 7/08
(22) 14.03.2014	BUTLER, JR., John F.	B26D 7/26
(54) MOLD USED IN CALIPER CASTING	(31) 201662276648 P	B26D 7/32
DEVICE, CALIPER CASTING DEVICE,	(32) 08.01.2016	B26F 1/38
METHOD FOR MANUFACTURING	(33) United States of America	B29C 37/02
CALIPER	(51) B22D 11/04	(11) EP2226172
(73) Akebono Brake Industry Co., Ltd.	B22D 11/041	(21) EP07860414.7
(72) ARAI, Takayuki	B22D 11/055	(47) 16.09.2020
KAMII, Hisao	B22D 11/059	(87) JP2007075193
SUZUKI, Iseto	(11) EP3013498	09.07.2009
(31) 2013196063	(21) EP14755142.8	(22) 27.12.2007
(32) 20.09.2013	(47) 16.09.2020	(54) DEBURRING SYSTEM, DEBURRING
(33) Japan	(87) IB2014062721	APPARATUS AND CUTTER BLADE
(51) B22C 9/10	31.12.2014	(73) Nihon Shoryoku Kikai Co., Ltd.
B22C 21/14	(22) 30.06.2014	(72) TANAKA, Norio
(11) EP3600718	(54) CRYSTALLIZER FOR CONTINUOUS	(51) B22D 39/00
(21) EP18721843.3	CASTING AND METHOD FOR ITS	H05B 6/26
(47) 16.09.2020	PRODUCTION	H05B 6/32
(87) IB2018000316	(73) Danieli & C. Officine Meccaniche, S.p.A.	H05B 6/36
04.10.2018	(72) DE LUCA, Andrea	H05B 6/44
(22) 28.03.2018	(31) UD20130090	(11) EP3622782
(54) CASTING CORE AND METHOD FOR	(32) 28.06.2013	(21) EP19739555.1
THE PRODUCTION THEREOF	(33) Italy	(47) 16.09.2020
(73) Nemak, S.A.B. de C.V.	(51) B22D 11/108	(87) EP2019068432
(72) BARANZKE, Matthias	B22D 11/111	23.01.2020
STAUDT, Ingo	(11) EP2839902	(22) 09.07.2019
(31) 102017106775	(21) EP13765112.1	(54) DEVICE AND METHOD FOR
(32) 29.03.2017	(47) 16.09.2020	LEVITATION MELTING USING
(33) Germany	(87) CN2013072914	INDUCTION UNITS WHICH ARE
(51) B22D 2/00	26.09.2013	ARRANGED IN A TILTED MANNER
F27D 21/00	(22) 20.03.2013	(73) ALD Vacuum Technologies GmbH
G01B 7/06	(54) LOW-CARBON STEEL FLUORIDE-	(72) SPITANS, Sergejs
G01B 15/02	FREE CONTINUOUS CASTING MOLD	FRANZ, Henrik
G01F 23/28	POWDER	SEHRING, Björn
G01F 23/284	(73) Baoshan Iron & Steel Co., Ltd.	HOLZ, Markus

<p>KRIEGER, Andreas (31) 102018117304 (32) 17.07.2018 (33) Germany</p> <hr/> <p>(51) B22F 1/00 B22F 1/02 B22F 3/14 H01F 1/055 H01F 1/059 H01F 1/08 H01F 1/09 H01F 41/02 (11) EP3343572 (21) EP15902236.7 (47) 16.09.2020 (87) JP2015073762 02.03.2017 (22) 24.08.2015 (54) MAGNET PARTICLES AND MAGNET MOLDING USING SAME (73) Nissan Motor Co., Ltd. (72) KAWASHITA, Yoshio ARAI, Masaya MURAKAMI, Ryou FUJIKAWA, Shinichirou</p> <hr/> <p>(51) B22F 3/105 B22F 3/11 B22F 3/14 B22F 3/16 B28B 3/02 B30B 15/06 C04B 35/645 (11) EP3442730 (21) EP17724477.9 (47) 16.09.2020 (87) DE2017000074 19.10.2017 (22) 24.03.2017 (54) MANUFACTURING METHOD OF METALLIC OR CERAMIC CARRIER SUBSTRATES AS WELL AS CARRIER SUBSTRATES (73) Forschungszentrum Jülich GmbH (72) BRAM, Martin VASSEN, Robert GONZALEZ, Jesus MARCANO, Diana (31) 102016004548 (32) 13.04.2016 (33) Germany</p> <hr/> <p>(51) B22F 3/105 B22F 5/00 B22F 7/08 C22C 1/04 G01F 1/58 G01F 15/00 (11) EP3325924 (21) EP16731148.9 (47) 16.09.2020 (87) EP2016064377 26.01.2017 (22) 22.06.2016 (54) MAGNETIC-INDUCTIVE FLOWMETER FOR MEASURING THE FLOW VELOCITY OR THE VOLUME FLOW OF MEDIA IN A PIPELINE (73) Endress+Hauser Flowtec AG (72) VOIGT, Frank</p>	<p>KOUDAL, Ole KOWALSKI, Jörg (31) 102015112018 (32) 23.07.2015 (33) Germany</p> <hr/> <p>(51) B22F 3/105 B22F 5/12 B23K 35/02 B23K 35/40 C04B 35/622 B33Y 10/00 B33Y 30/00 B33Y 80/00 (11) EP3389900 (21) EP16820117.6 (47) 16.09.2020 (87) US2016066268 22.06.2017 (22) 13.12.2016 (54) APPARATUS AND METHOD FOR ADDITIVELY MANUFACTURING A WIRE (73) Illinois Tool Works Inc. (72) HSU, Christopher (31) 201562269247 P 201615373230 (32) 18.12.2015 08.12.2016 (33) United States of America United States of America</p> <hr/> <p>(51) B22F 3/105 B33Y 30/00 B29C 64/141 B29C 64/209 B33Y 70/00 (11) EP3040188 (21) EP15198480.4 (47) 16.09.2020 (22) 08.12.2015 (54) METHOD FOR DIGITAL ADDITIVE MANUFACTURING OF GRADED, HIERARCHICAL MATERIAL STRUCTURES (73) Palo Alto Research Center Incorporated (72) PASCHKEWITZ, John Steven IFTIME, Gabriel BECK, Victor Alfred JOHNSON, David Mathew (31) 201414578071 (32) 19.12.2014 (33) United States of America</p> <hr/> <p>(51) B22F 3/105 B33Y 50/00 G06F 30/23 G06F 119/18 (11) EP3259691 (21) EP16752785.2 (47) 16.09.2020 (87) US2016015920 25.08.2016 (22) 01.02.2016 (54) ADDITIVE MANUFACTURING METHOD INVOLVING COMPUTER- AIDED SIMULATION OF ADDITIVE MANUFACTURING PROCESSES (73) Siemens Industry Software Inc. (72) KOMZSIK, Louis (31) 201514627518</p>	<p>(32) 20.02.2015 (33) United States of America</p> <hr/> <p>(51) B22F 3/105 H05K 1/09 H05K 3/12 H05K 3/46 B33Y 80/00 B29C 67/00 (11) EP3219467 (21) EP14902233.7 (47) 16.09.2020 (87) JP2014074829 24.03.2016 (22) 19.09.2014 (54) MANUFACTURING APPARATUS AND MANUFACTURING METHOD (73) FUJI Corporation (72) SUZUKI, Masato KAWAJIRI, Akihiro FUJITA, Masatoshi TSUKADA, Kenji HASHIMOTO, Yoshitaka</p> <hr/> <p>(51) B22F 7/06 B32B 18/00 C04B 35/52 C04B 35/536 C04B 35/63 C04B 35/645 C04B 35/82 C04B 35/83 C04B 37/00 C22C 32/00 C22C 47/14 C22C 49/14 F16J 15/46 (11) EP3237781 (21) EP15862255.5 (47) 16.09.2020 (87) US2015056885 02.06.2016 (22) 22.10.2015 (54) FUNCTIONALLY GRADED ARTICLES AND METHODS OF MANUFACTURE (73) Baker Hughes Holdings LLC (72) ZHAO, Lei XU, Zhiyue DENG, Guijun (31) 201414552832 (32) 25.11.2014 (33) United States of America</p> <hr/> <p>(51) B22F 9/04 C22C 1/04 C22C 19/07 C22C 30/00 C22F 1/10 C23C 24/04 C23C 4/073 C23C 4/129 (11) EP3181727 (21) EP16202621.5 (47) 16.09.2020 (22) 07.12.2016 (54) COATED ARTICLES (73) General Electric Company (72) DETOR, Andrew Joseph AJDELSZTAJN, Leonardo BIGELOW, Thomas Michael DIDOMIZIO, Richard</p>
---	---	--

EMGE, Andrew William	(72) WIKER, Juergen	(72) Krell, Volker
RUUD, James Anthony	DAMMERTZ, Ralph	(31) 102015121354
WEIMER, Michael James	(31) 201113273543	(32) 08.12.2015
(31) 201514974755	(32) 14.10.2011	(33) Germany
(32) 18.12.2015	(33) United States of America	(51) B23K 26/06
(33) United States of America	(51) B23D 61/12	B23K 26/08
(51) B23B 29/04	B27B 33/02	B23K 26/24
(11) EP3357616	(11) EP3444060	(11) EP3086898
(21) EP18151896.0	(21) EP18181624.0	(21) EP14812549.5
(47) 16.09.2020	(47) 16.09.2020	(47) 16.09.2020
(22) 16.01.2018	(22) 04.07.2018	(87) EP2014078099
(54) CUTTING DEVICE FOR MACHINING WORKPIECES	(54) BAND SAW BLADE FOR CUTTING STRUCTURAL WORKPIECES	02.07.2015
(73) KARL-HEINZ ARNOLD GmbH	(73) Black & Decker Inc.	(22) 16.12.2014
(72) Braun, Harald	(72) HUNTER, Matthew	(54) WELDING ROBOT AND METHOD FOR OPERATING A LASER WELDING DEVICE
Meditz, Werner	(31) 201715678851	(73) KUKA Deutschland GmbH
(31) 202017000616 U	(32) 16.08.2017	(72) DINKHOFF, Markus
(32) 06.02.2017	(33) United States of America	(31) 102013227148
(33) Germany	(51) B23K 9/02	(32) 23.12.2013
(51) B23B 31/00	B23K 9/028	(33) Germany
B23C 5/10	B23K 9/167	(51) B23K 35/02
(11) EP2605877	B23K 9/173	B23K 35/30
(21) EP11751651.8	B23K 9/23	B23K 35/38
(47) 16.09.2020	B23K 9/28	C22C 38/00
(87) IL2011000593	B23K 101/00	C22C 38/02
23.02.2012	F01D 5/02	C22C 38/04
(22) 24.07.2011	F01D 5/06	C22C 38/06
(54) T-SLOT CUTTER HAVING SEPARATE CENTERING AND TORQUE-TRANSMITTING PORTIONS	(11) EP3455464	C22C 38/08
(73) Iscar Ltd.	(21) EP17740695.6	C22C 38/12
(72) MARSHANSKY, Amir	(47) 16.09.2020	C22C 38/14
(31) 20762410	(87) EP2017067097	C22C 38/16
(32) 16.08.2010	18.01.2018	C22C 38/42
(33) Israel	(22) 07.07.2017	C22C 38/44
(51) B23B 31/107	(54) ROTATING SHAFT AND METHOD FOR PRODUCING A ROTATING SHAFT	C22C 38/46
(11) EP3281731	(73) Siemens Aktiengesellschaft	C22C 38/48
(21) EP17186009.1	(72) BRUSSK, Stefan	C22C 38/50
(47) 16.09.2020	KERN, Torsten-Ulf	C22C 38/52
(22) 26.09.2012	LUITHLE, Alexander	C22C 38/54
(54) QUICK RELEASE CONNECTOR	(31) 16179383	(11) EP3180157
(73) Access Products Group LLC	(32) 14.07.2016	(21) EP15745620.3
(72) KALLAS, Ryan	(33) European Patent Office (EPO)	(47) 16.09.2020
BLANKENSHIP, J., Herschel	(51) B23K 9/12	(87) US2015039451
(51) B23C 5/10	B23K 9/133	18.02.2016
(11) EP2954963	B23K 9/173	(22) 07.07.2015
(21) EP14172324.7	(11) EP3366404	(54) SYSTEMS AND METHODS FOR LOW-MANGANESE WELDING ALLOYS
(47) 16.09.2020	(21) EP16857075.2	(73) Hobart Brothers Company
(22) 13.06.2014	(47) 16.09.2020	(72) BARHORST, Steven Edward
(54) Milling cutter with two phase rake face	(87) JP2016004277	KRIEGER, Kevin M.
(73) ZÜND SYSTEMTECHNIK AG	27.04.2017	BUNDY, Joseph C.
(72) Zimmermann, Claude	(22) 20.09.2016	AMATA, Mario Anthony
Thurnherr, Adrian	(54) WELDING TORCH	DUNCAN, Daryl L.
Jann, Simon	(73) Panasonic Intellectual Property Management Co., Ltd.	FIORE, Susan Renata
(51) B23D 45/06	(72) MISHIMA, Toshiyuki	(31) 201414457599
B23D 47/02	(31) 2015208530	(32) 12.08.2014
(11) EP2766138	(32) 23.10.2015	(33) United States of America
(21) EP12775901.7	(33) Japan	(51) B23P 15/00
(47) 16.09.2020	(51) B23K 20/10	B23P 15/02
(87) US2012059243	B23K 20/26	F01D 5/14
18.04.2013	B23K 37/02	F01D 9/04
(22) 08.10.2012	B23Q 1/00	(11) EP3467261
(54) TABLE SAW WITH FOLDABLE TABLETOP	(11) EP3178599	(21) EP18204607.8
(73) Robert Bosch GmbH	(21) EP16202184.4	(47) 16.09.2020
Wiker, Juergen	(47) 16.09.2020	(22) 19.07.2017
Dammertz, Ralph	(22) 05.12.2016	(54) METHOD FOR PRODUCING A TANDEM STATOR BLADE SEGMENT
	(54) STAND MACHINE	(73) Rolls-Royce Deutschland Ltd & Co KG
	(73) MS Ultraschall Technologie GmbH	

- (72) KÖHNE, Oliver
GÖPPINGER, Felix
(31) 102016113568
(32) 22.07.2016
(33) Germany
-
- (51) B23P 15/00
F01D 9/04
F01D 25/16
(11) EP3456926
(21) EP18187936.2
(47) 16.09.2020
(22) 08.08.2018
(54) GAS TURBINE WITH A SUPPORT
STRUCTURE FOR A BEARING
(73) Doosan Heavy Industries & Construction
Co., Ltd
(72) Seo, Ja Won
(31) 20170118375
(32) 15.09.2017
(33) Korea (Republic)
-
- (51) B23Q 3/06
B23Q 7/14
B25J 9/12
B25J 13/08
B25J 15/02
B25J 15/04
(11) EP3600798
(21) EP19710645.3
(47) 16.09.2020
(87) EP2019055751
19.09.2019
(22) 07.03.2019
(54) GRIPPING AND POSITIONING
ASSEMBLY FOR TRANSPORTING
A HOLDING DEVICE BETWEEN
DIFFERENT POSITIONS
(73) Gressel AG
(72) ULRICH, Flavio
SCHLÜSSEL, Marcel
JAUCH, André
RELEA, Eduard
(31) 102018106210
(32) 16.03.2018
(33) Germany
-
- (51) B23Q 5/14
F16D 27/12
(11) EP3218144
(21) EP15777837.4
(47) 16.09.2020
(87) US2015052917
19.05.2016
(22) 29.09.2015
(54) ROTATIONAL COUPLING DEVICE FOR
BIMODAL SELECTIVE OUTPUT
(73) Warner Electric Technology LLC
(72) NYQUIST, Stephen, Edward
LARSON, Paul A.
(31) 201414540496
(32) 13.11.2014
(33) United States of America
-
- (51) B23Q 7/00
B23Q 7/14
B65G 15/42
B65G 35/08
(11) EP3412404
(21) EP17827532.7
(47) 16.09.2020
(87) JP2017024855
- 18.01.2018
(22) 06.07.2017
(54) PALLET TRANSPORT DEVICE AND
PALLET TRANSPORT METHOD
(73) NITTOKU Co., Ltd.
(72) KATAHIRA, Koji
MUTO, Kenichi
(31) 2016138219
(32) 13.07.2016
(33) Japan
-
- (51) B23Q 11/08
B25J 9/00
B25J 21/00
(11) EP3181308
(21) EP16204706.2
(47) 16.09.2020
(22) 16.12.2016
(54) PROCESSING DEVICE AND
PROCESSING METHOD
(73) KUKA Deutschland GmbH
(72) BAYER, Stefan
FRIEDEL, Holger
(31) 202015106871 U
(32) 16.12.2015
(33) Germany
-
- (51) B23Q 17/00
(11) EP3241650
(21) EP17164932.0
(47) 16.09.2020
(22) 05.04.2017
(54) RELEASE DEVICE FOR A TOOL OR
WORKPIECE CLAMPING DEVICE
(73) Ott-Jakob Spanntechnik GmbH
(72) Greif, Josef
Bechteler, Wolfgang
Gast, Stephan
Merz, Florian
Neugebauer, Gerd
(31) 102016108407
(32) 06.05.2016
(33) Germany
-
- (51) B24B 3/00
(11) EP3071366
(21) EP14863546.9
(47) 16.09.2020
(87) US2014065086
28.05.2015
(22) 11.11.2014
(54) METHOD FOR AUTOMATIC
SHARPENING OF A BLADE
(73) Prosharp Inc.
Eriksson, Magnus
(72) ERIKSSON, Magnus
(31) 201361905981 P
(32) 19.11.2013
(33) United States of America
-
- (51) B24B 7/24
B24B 9/10
B24B 41/053
B24B 55/04
B24B 55/06
B32B 17/10
B32B 38/10
B32B 38/18
(11) EP3120971
(21) EP15178305.7
(47) 16.09.2020
(22) 24.07.2015
- (54) DEVICE AND METHOD FOR
REMOVING A PLASTIC FILM LAYER
FROM A GLASS PANEL
(73) Tuomas SL
(72) Martín, Miguel Tomás
-
- (51) B24B 7/24
C03B 33/02
C03B 33/07
(11) EP3330233
(21) EP16833288.0
(47) 16.09.2020
(87) KR2016008408
09.02.2017
(22) 29.07.2016
(54) METHOD AND APPARATUS FOR
CUTTING GLASS LAMINATE
(73) Corning Precision Materials Co., Ltd.
(72) SHIN, Dong Keun
KIM, Joon Soo
OH, Sang Yoon
SONG, Min Soo
HONG, Sang Jin
(31) 20150108569
(32) 31.07.2015
(33) Korea (Republic)
-
- (51) B24B 9/06
B24B 21/00
B24B 21/20
B24B 49/12
(11) EP3597363
(21) EP19186661.5
(47) 16.09.2020
(22) 17.07.2019
(54) POLISHING APPARATUS AND
POLISHING METHOD
(73) Ebara Corporation
(72) SEKI, Masaya
NAKANISHI, Masayuki
KASHIWAGI, Makoto
(31) 2018137067
(32) 20.07.2018
(33) Japan
-
- (51) B24B 9/14
B24B 13/005
(11) EP3470172
(21) EP17306388.4
(47) 16.09.2020
(22) 13.10.2017
(54) METHOD OF OPTIMIZING A SUPPORT
MATERIAL FOR AN OPERATION OF
SURFACING OF A LENS BLANK
(73) Essilor International
(72) PIRAUBE, Sébastien
BULTEZ, Xavier
MOINE, Jérôme
-
- (51) B24B 23/02
B24B 41/00
B25F 5/00
F16D 3/06
F16D 3/12
F16D 3/26
(11) EP3156187
(21) EP15863902.1
(47) 16.09.2020
(87) JP2015082585
02.06.2016
(22) 19.11.2015
(54) ROTARY MACHINING TOOL

(73) Nitto Kohki Co., Ltd.	(21) EP17200821.1	(47) 16.09.2020
(72) AOKI, Ryochi	(47) 16.09.2020	(22) 17.02.2011
MURAKAMI, Keiichi	(22) 09.11.2017	(54) Articulated mobile device for clearing obstacles
(31) 2014237643	(54) GAS SPRING FASTENER DRIVER INCLUDING SHUTTER VALVE	(73) M-Tecks AG
(32) 25.11.2014	(73) TTI (Macao Commercial Offshore) Limited	(72) Meissonnier, Julien
(33) Japan	(72) Pomeroy, Edward A.	Marsaleix, Fabrice
(51) B25B 5/06	Scott, Zachary	(31) 1051197
B25B 5/08	Schnell, John	(32) 19.02.2010
(11) EP3412410	Namouz, Essam	(33) France
(21) EP18000503.5	(31) 201662419616 P	(51) B25J 9/16
(47) 16.09.2020	(32) 09.11.2016	(11) EP2343164
(22) 07.06.2018	(33) United States of America	(21) EP11150629.1
(54) HOOK APPARATUS FOR CENTERING AND CLAMPING WORKPIECES, PARTICULARLY SHEETS	(51) B25F 5/00	(47) 16.09.2020
(73) VEP Automation S.r.l.	(11) EP3269516	(22) 11.01.2011
(72) Conte, Umberto	(21) EP17181178.9	(54) Walking control apparatus of robot and method of controlling the same
(31) 201700062835	(47) 16.09.2020	(73) Samsung Electronics Co., Ltd.
(32) 08.06.2017	(22) 13.07.2017	(72) Lee, Min Hyung
(33) Italy	(54) AIR TOOL MONITORING APPARATUS, AIR TOOL INCORPORATING SAME AND METHOD OF USING SAME	Kwon, Woong
(51) B25B 23/00	(73) Mabee Engineering Solutions, Inc.	Roh, Kyung Shik
B25F 1/04	(72) MABEE, Brian D.	Park, Joong Kyung
B25G 1/06	KAPLAN, Jeffrey B.	(31) 20100002581
(11) EP2608937	WITTE, Darryl V.	(32) 12.01.2010
(21) EP11785924.9	ADAMS, Jason M.	(33) Korea (Republic)
(47) 16.09.2020	(31) 201615211832	(51) B25J 9/16
(87) AU2011000642	(32) 15.07.2016	A61B 34/10
01.12.2011	(33) United States of America	A61B 34/20
(22) 26.05.2011	(51) B25J 9/00	A61B 34/30
(54) REVERSIBLE HAND TOOL	B25J 11/00	A61B 90/10
(73) Wilkinson, David	B25J 19/02	A61B 90/14
(72) Wilkinson, David	G05D 1/02	(11) EP3284433
(31) 2010902358	(11) EP2781981	(21) EP16205972.9
(32) 28.05.2010	(21) EP13196152.6	(47) 16.09.2020
(33) Australia	(47) 16.09.2020	(22) 21.12.2016
(51) B25B 23/04	(22) 09.12.2013	(54) SURGICAL ROBOT SYSTEM FOR STEREOTACTIC SURGERY
B25C 1/00	(54) Robot cleaner and method of operating the same	(73) Koh Young Technology Inc.
B25C 1/18	(73) LG Electronics Inc.	(72) SEONG, Eun Hyung
(11) EP2945777	(72) Miyoung, Sim	KWON, Young Sik
(21) EP14700400.6	Hyeongshin, Jeon	CHUNG, Jae Heon
(47) 16.09.2020	(31) 20130030472	(31) 20160103717
(87) EP2014050559	(32) 21.03.2013	(32) 16.08.2016
24.07.2014	(33) Korea (Republic)	(33) Korea (Republic)
(22) 14.01.2014	(51) B25J 9/00	(51) B25J 9/16
(54) DRIVING-IN DEVICE	B60D 1/04	B25J 13/08
(73) Hilti Aktiengesellschaft	B60D 1/62	B25J 19/00
(72) FOSER, Thomas	B62B 5/00	B25J 19/06
(31) 102013200551	G05D 1/02	(11) EP3318373
(32) 16.01.2013	(11) EP3283308	(21) EP16821107.6
(33) Germany	(21) EP16779651.5	(47) 16.09.2020
(51) B25B 23/10	(47) 16.09.2020	(87) JP2016065125
F16B 23/00	(87) DK2016050104	12.01.2017
(11) EP3336368	20.10.2016	(22) 23.05.2016
(21) EP17168825.2	(22) 11.04.2016	(54) ROBOT ARM CONTROL SYSTEM
(47) 16.09.2020	(54) ROBOTIC CART PULLING VEHICLE FOR AUTOMATED PULLING OF CARTS	(73) WASEDA UNIVERSITY
(22) 28.04.2017	(73) Mobile Industrial Robots A/S	(72) SCHMITZ, Alexander
(54) METHOD FOR THE STATIONARY CONNECTION OF TWO COMPONENTS	(72) JACOBSEN, Niels Jul	BHAVARAJU, Soumya
(73) Bongartz, Nicole	(31) 201570212	SAKAMOTO, Yoshihiro
(72) Bongartz, Nicole	(32) 13.04.2015	AGUIRRE DOMINGUEZ, Gonzaro
(31) 102016124719	(33) Denmark	SATO, Ritsuki
(32) 16.12.2016	(51) B25J 9/06	WANG, Wei
(33) Germany	(11) EP2359987	SUGANO, Shigeki
(51) B25C 1/04	(21) EP11305166.8	(31) 2015134828
B25C 1/06		(32) 04.07.2015
(11) EP3323557		(33) Japan
		(51) B26B 13/06
		(11) EP3386687

(21) EP15910381.1	(31) 201815875200	(51) B26F 1/22
(47) 16.09.2020	(32) 19.01.2018	B26F 1/44
(87) US2015064764	(33) United States of America	C14B 5/02
15.06.2017	(51) B26B 21/40	(11) EP3345732
(22) 09.12.2015	(11) EP3513925	(21) EP17207779.4
(54) CUTTING TOOL WITH A FLAT FORCE PROFILE	(21) EP19151761.4	(47) 16.09.2020
(73) Fiskars Brands, Inc.	(47) 16.09.2020	(22) 15.12.2017
(72) CUNNINGHAM, Daniel	(22) 15.01.2019	(54) CUTTING STRUCTURE FOR ASSISTING THE CURVATURE OF A FLEXIBLE SHEET TO FORM A STEREOSCOPIIC CONTOUR
(51) B26B 19/06	(54) NETWORKED SHAVING APPLIANCE SYSTEM	(73) Hsu, Hwa-Yi
B26B 19/28	(73) The Gillette Company LLC	Tsai, Cheng-Yu
H02K 7/00	(72) ROBINSON, Susan Clare	(72) Hsu, Hwa-Yi
H02K 7/04	AMAVASAI, Balasundram Periasamy	Tsai, Cheng-Yu
H02K 16/02	BARKER, Matthew Lloyd	(31) 106200077 U
H02K 33/16	BUDDS, Kate	(32) 04.01.2017
(11) EP3393018	GOOD, Ian Anthony	(33) Taiwan, Province of China
(21) EP18165930.1	HINKLE, Robert Thomas	(51) B26F 3/00
(47) 16.09.2020	SHERMAN, Faiz Feisal	B65H 35/00
(22) 05.04.2018	WESTON, Nigel	G07B 3/02
(54) OSCILLATORY LINEAR ACTUATOR AND CUTTING DEVICE	BAUER, Matthew Stephen	G07B 5/02
(73) Panasonic Intellectual Property Management Co., Ltd.	(31) 201815875531	(11) EP2909814
(72) MURAKAMI, Tomoaki	(32) 19.01.2018	(21) EP13818384.3
KOBAYASHI, Noboru	(33) United States of America	(47) 16.09.2020
INOUE, Hiroki	(51) B26D 1/00	(87) IB2013059398
MORIGUCHI, Masashi	B26D 1/14	24.04.2014
(31) 2017082971	(11) EP3459699	(22) 16.10.2013
(32) 19.04.2017	(21) EP18196630.0	(54) DISPENSING APPARATUS
(33) Japan	(47) 16.09.2020	(73) Custom S.p.A.
(51) B26B 19/28	(22) 07.12.2017	(72) CAMPANINI, Alberto
H02K 7/00	(54) CUTTING BLADE	(31) MO20120252
H02K 7/04	(73) Weber Maschinenbau GmbH	(32) 18.10.2012
H02K 16/02	Breidenbach	(33) Italy
H02K 33/16	(72) Kahl, Philip	(51) B27K 5/00
(11) EP3393021	Runkel, Andreas	B27K 5/06
(21) EP18166438.4	Knauf, Michael	B27M 1/02
(47) 16.09.2020	Schneider, Thorsten	(11) EP3323573
(22) 10.04.2018	(31) 102016124725	(21) EP17202100.8
(54) OSCILLATORY LINEAR ACTUATOR AND CUTTING DEVICE	102017108841	(47) 16.09.2020
(73) Panasonic Intellectual Property Management Co., Ltd.	(32) 16.12.2016	(22) 16.11.2017
(72) MURAKAMI, Tomoaki	25.04.2017	(54) A METHOD FOR THE THERMOMECHANICAL DENSIFICATION OF POPLAR PLYWOOD
KOBAYASHI, Noboru	(33) Germany	(73) Versal Sp. z o.o.
INOUE, Hiroki	(51) B26D 3/00	(72) Nadolski, Tadeusz
MORIGUCHI, Masashi	B26D 5/00	Chawlowski, Grzegorz
(31) 2017082980	(11) EP3436224	Perzyna, Kamil
(32) 19.04.2017	(21) EP17718142.7	(31) 41949916
(33) Japan	(47) 16.09.2020	(32) 17.11.2016
(51) B26B 19/38	(87) NL2017050194	(33) Poland
B26B 21/40	05.10.2017	(51) B27N 1/00
(11) EP3513924	(22) 30.03.2017	B27N 3/00
(21) EP19151399.3	(54) APPARATUS AND METHOD FOR CONVERTING A SHEET INTO A CONTINUOUS STRIP	B27N 3/02
(47) 16.09.2020	(73) VMI Holland B.V.	B27N 3/04
(22) 11.01.2019	(72) MULDER, Gerben	(11) EP3393734
(54) METHOD FOR GENERATING USER FEEDBACK INFORMATION FROM A SHAVE EVENT	(31) 2016534	(21) EP15817866.5
(73) The Gillette Company LLC	(32) 01.04.2016	(47) 16.09.2020
(72) Robinson, Susan Clare	(33) Netherlands	(87) EP2015081163
Amavasai, Balasundram Periasamy	(51) B26D 3/28	29.06.2017
Barker, Matthew Lloyd	(11) EP3520936	(22) 23.12.2015
Budds, Kate	(21) EP18155222.5	(54) METHOD FOR THE PRODUCTION OF ARTIFICIAL WOOD BOARD
Good, Ian Anthony	(47) 16.09.2020	(73) Goodhout Holding B.V.
Hinkle, Robert Thomas	(22) 06.02.2018	(72) TEN HOUTEN, Silvia
Sherman, Faiz Feisal	(54) BLADE FOR STRIPPING AND CUTTING TOOL	DONATO, Nicola
Weston, Nigel	(73) Georg Fischer Rohrleitungssysteme AG	MARINO, Gianmarco
	(72) Raible, Moritz	

(51) B28B 1/00	B29C 49/04	(11) EP2599604
C04B 35/01	B29C 49/14	(21) EP12193391.5
C04B 35/26	(11) EP3269528	(47) 16.09.2020
C04B 35/486	(21) EP15884617.0	(22) 20.11.2012
C04B 35/626	(47) 16.09.2020	(54) Method and system for forming a composite article
C04B 35/634	(87) JP2015057344	(73) The Boeing Company
H01F 7/02	15.09.2016	(72) Tsotsis, Thomas Karl
(11) EP3260259	(22) 12.03.2015	Young, Gerould K.
(21) EP17000577.1	(54) CONTAINER HAVING SPIRAL RIDGES	(31) 201113307654
(47) 16.09.2020	ON INNER SURFACE THEREOF,	(32) 30.11.2011
(22) 06.04.2017	METHOD FOR MANUFACTURING THE	(33) United States of America
(54) DEVICE FOR MAGNETICALLY FREEZE	CONTAINER AND APPARATUS FOR	
MOULDING CERAMICS AND METHOD	MANUFACTURING SAME	(51) B29B 11/16
FOR OPERATING THE SAME	(73) Daisho Glass Co., Ltd.	B29K 101/10
(73) Forschungszentrum Jülich GmbH	Giver Life Co., Ltd.	B32B 5/28
(72) Balaguer Ramirez, Maria	(72) TOKU, Yoichi	B32B 15/08
Glückler, Harald	UNO, Masaru	H05K 1/03
Schulze-Küppers, Falk	(51) B29B 11/14	(11) EP3403800
Soltner, Helmut	B29C 49/00	(21) EP17738571.3
Meulenberg, Wilhelm Albert	B29C 49/06	(47) 16.09.2020
Ivanova, Mariya	B29C 49/10	(87) JP2017001133
Wilkner, Kai	B29K 67/00	20.07.2017
Offermanns, Tobias	(11) EP3261812	(22) 13.01.2017
Mattonet, Gerd	(21) EP16756046.5	(54) PREPREG, PRINTED CIRCUIT BOARD,
Guillon, Olivier	(47) 16.09.2020	SEMICONDUCTOR PACKAGE, AND
(31) 102016006175	(87) US2016016406	METHOD FOR PRODUCING PRINTED
(32) 12.05.2016	01.09.2016	CIRCUIT BOARD
(33) Germany	(22) 03.02.2016	(73) HITACHI CHEMICAL COMPANY, LTD.
(51) B28C 5/00	(54) HIGH STRETCH RATIO PREFORMS	(72) TOSAKA, Yuji
B28C 9/04	AND RELATED CONTAINERS AND	SAITOH, Takeshi
C04B 28/02	METHODS	NAKAMURA, Yukio
C04B 40/00	(73) Dr. Pepper/Seven Up, Inc.	SASAKI, Ryohta
C04B 40/06	(72) KNIGHT, Brandon W.	SHIMIZU, Hiroshi
(11) EP3582940	GEORGE, Patrick T.	(31) 2016006478
(21) EP18704033.2	BRUNSON, David A.	(32) 15.01.2016
(47) 16.09.2020	(31) 201514634468	(33) Japan
(87) EP2018053731	(32) 27.02.2015	(51) B29B 15/12
23.08.2018	(33) United States of America	(11) EP3470196
(22) 15.02.2018	(51) B29B 11/16	(21) EP17196681.5
(54) METHOD FOR PRODUCING A	B29C 70/24	(47) 16.09.2020
CONCRETE MATERIAL	B29K 77/00	(22) 16.10.2017
(73) Götschl, Franz	B29K 223/00	(54) DEVICE AND METHOD FOR THE
Sparowitz, Lutz	B29K 311/10	IMPREGNATION OF FIBRE BUNDLES
(72) Götschl, Franz	B29K 623/00	WITH A POLYMER MELT
Sparowitz, Lutz	B29K 667/00	(73) Feddem GmbH & Co. KG
(31) 17156274	B29K 707/04	(72) Groß, Dieter
(32) 15.02.2017	B29K 709/08	Jost, Sebastian
(33) European Patent Office (EPO)	D03D 11/00	(51) B29B 17/00
(51) B29B 7/48	D03D 11/02	B29B 17/04
B29C 48/505	D03D 15/00	(11) EP3573800
B29C 48/62	D03D 25/00	(21) EP18700499.9
B29C 48/64	(11) EP2242880	(47) 16.09.2020
B29C 48/67	(21) EP08867399.1	(87) EP2018051238
(11) EP3200965	(47) 16.09.2020	02.08.2018
(21) EP14781427.1	(87) US2008086973	(22) 18.01.2018
(47) 16.09.2020	09.07.2009	(54) PROCESS FOR THE PRODUCTION
(87) US2014058055	(22) 16.12.2008	OF A SULFONE POLYMER
07.04.2016	(54) METHOD FOR WEAVING	AGGLOMERATE FROM THE
(22) 29.09.2014	SUBSTRATES WITH INTEGRAL	RECOVERY OF EXPANDED SULFONE
(54) EXTRUDER SCREW ELEMENT FOR	SIDEWALLS	POLYMER
AN EXTRUSION MACHINE	(73) Albany Engineered Composites, Inc.	(73) Diab International AB
(73) Compagnie Générale des	(72) GOERING, Jonathan	(72) ALIPERTA, Luigi
Etablissements Michelin	(31) 963179	BRESSAN, Raffaella
(72) MAZZOCCA, Timothy	(32) 21.12.2007	JACKSON, Stephen Leonard
HUDSON, Andrew	(33) United States of America	SHELTON, Robert Wayne
BRICKEY, Michael	(51) B29B 11/16	(31) 201700007890
(51) B29B 11/10	B29C 70/52	(32) 25.01.2017
B29B 11/14	B29K 101/12	(33) Italy

(51) B29C 31/08 B29C 55/08	ASSEMBLIES, PRESSES, AND METHODS	B60J 1/00 B60J 7/04
(11) EP3468772	(73) US Synthetic Corporation	(11) EP3365191
(21) EP16731825.2	(72) JUDO, Robert, Keith	(21) EP15791534.9
(47) 16.09.2020	(31) 201113005212	(47) 16.09.2020
(87) EP2016063514 21.12.2017	(32) 12.01.2011	(87) EP2015074637 27.04.2017
(22) 13.06.2016	(33) United States of America	(22) 23.10.2015
(54) BASIC STRUCTURE, DEVICE AND METHOD FOR TRANSPORTING FILMS	(51) B29C 39/18	(22) 23.10.2015
(73) Globra GmbH	B29C 45/14	(54) METHOD FOR FORMING A HOLDING ELEMENT, ARRANGEMENT FOR A MOTOR VEHICLE AND SYSTEM FOR A MOTOR VEHICLE
(72) PINEGGER, Wolfgang	B29D 11/00	(73) Webasto SE
(51) B29C 33/30	B29K 675/00	(72) GROSSER, Florian
B29C 43/36	B32B 27/40	DUST, Herbert
B29C 43/58	C08G 18/02	HARNISCHFEGGER, Bernhard
B29C 70/46	C08G 18/09	(51) B29C 44/12
B29C 70/54	C08G 18/18	F16L 59/14
B29K 105/06	C08G 18/28	(11) EP3536475
B29L 31/00	C08G 18/32	(21) EP19160697.9
B29L 31/30	C08G 18/36	(47) 16.09.2020
B64C 1/06	C08G 18/40	(22) 05.03.2019
B29D 99/00	C08G 18/48	(54) APPARATUS AND METHOD FOR MANUFACTURING INSULATED PIPE ASSEMBLY
(11) EP3581356	C08G 18/72	(73) GF Urecon Ltd.
(21) EP19164961.5	C08G 18/73	(72) Jetté, Daniel
(47) 16.09.2020	C08G 18/75	(31) 201815916757
(22) 25.03.2019	C08G 18/79	(32) 09.03.2018
(54) METHOD AND APPARATUS OF MODULAR PUNCH FORMING PLATES FOR ALIGNMENT OF A STRINGER FOR A VEHICLE	G02B 1/04	(33) United States of America
(73) The Boeing Company	G02C 7/02	(51) B29C 44/18
(72) SHINOZAKI, John Makoto	G02C 7/12	B29C 44/58
(31) 201815963193	(11) EP3061780	E06B 3/22
(32) 26.04.2018	(21) EP14855750.7	E06B 3/267
(33) United States of America	(47) 16.09.2020	(11) EP2760654
(51) B29C 33/42	(87) JP2014077858 30.04.2015	(21) EP12766669.1
B29C 45/14	(22) 20.10.2014	(47) 16.09.2020
B29C 45/26	(54) POLYMERIZABLE COMPOSITION FOR OPTICAL MATERIAL AND OPTICAL MATERIAL	(87) EP2012069391 04.04.2013
B29C 45/37	(73) Mitsui Chemicals, Inc.	(22) 01.10.2012
A63B 53/14	(72) TSUKADA Hidetaka	(54) METHOD FOR POUR-AND-SET FOAMING HOLLOW CHAMBER PROFILES
A63B 60/08	GOTO Kenichi	(73) Profine GmbH
A63B 60/10	MIYATA Atsushi	(72) DECHANTSREITER, Peter
A63B 60/14	NAKAGAWA Toshihiko	GLÜCK, Alexander
(11) EP3536387	YAMASAKI Satoshi	HAAS, Michael
(21) EP19161764.6	MORITA Hirokazu	SCHREIBER, Dominik
(47) 16.09.2020	(31) 2013218733	(31) 11183432
(22) 08.03.2019	2014175758	(32) 30.09.2011
(54) FLEXIBLE GOLF GRIP WITH FULL THICKNESS RIB SECTION AND METHOD OF MAKING SAME	(32) 21.10.2013	(33) European Patent Office (EPO)
(73) Eaton Intelligent Power Limited	29.08.2014	(51) B29C 45/00
(72) DAVIS, Stephen James	(33) Japan	B29C 45/14
(31) 201815916401	Japan	B29L 31/00
(32) 09.03.2018	(51) B29C 43/02	C08L 67/02
(33) United States of America	B29C 51/08	(11) EP3634711
(51) B29C 33/56	F16J 9/20	(21) EP18845414.4
B29C 45/37	F16J 15/18	(47) 16.09.2020
(11) EP2663440	F16J 15/44	(87) IB2018060704 04.07.2019
(21) EP12701554.3	(11) EP3246603	(22) 28.12.2018
(47) 16.09.2020	(21) EP15877875.3	(54) LOW DIELECTRIC CONSTANT (DK) AND DISSIPATION FACTOR (DF) MATERIAL FOR NANO-MOLDING TECHNOLOGY (NMT)
(87) US2012020266 19.07.2012	(47) 16.09.2020	(73) SABIC Global Technologies B.V.
(22) 05.01.2012	(87) JP2015067556 21.07.2016	(72) PENG, Hui
(54) INJECTION MOLD INSERTS INCLUDING A MOLD CAVITY AT LEAST PARTIALLY DEFINED BY A SUPERHARD MATERIAL, AND RELATED INJECTION MOLD	(22) 18.06.2015	GUAN, Bing
	(54) SEAL RING AND SEALING STRUCTURE	
	(73) NOK Corporation	
	(72) SEKI, Kazunari	
	(31) 2015005072	
	(32) 14.01.2015	
	(33) Japan	
	(51) B29C 44/12	

SHAN, Wei	Fairy, Fabrice	B29C 49/46
(31) 201762611616 P	Babin, Dennis	B29C 49/58
(32) 29.12.2017	Gammon, Scott	B29C 49/78
(33) United States of America	(31) 38498410 P	(11) EP3290180
(51) B29C 45/00	39141210 P	(21) EP16786126.9
B29C 45/17	40594910 P	(47) 16.09.2020
B29C 45/40	(32) 21.09.2010	(87) JP2016002075
B29C 45/76	08.10.2010	03.11.2016
B29L 31/56	22.10.2010	(22) 18.04.2016
(11) EP3268204	(33) United States of America	(54) LIQUID BLOW MOLDING APPARATUS
(21) EP16760958.5	United States of America	(73) Discma AG
(47) 16.09.2020	United States of America	(72) MORIKAMI, Shigeki
(87) CA2016050146	(51) B29C 45/17	(31) 2015093665
15.09.2016	B29C 45/83	(32) 30.04.2015
(22) 18.02.2016	(11) EP3546187	(33) Japan
(54) INJECTION MOLD HAVING AN IN-	(21) EP19163457.5	(51) B29C 49/06
MOLD LID CLOSING DEVICE	(47) 16.09.2020	B29C 49/36
(73) Husky Injection Molding Systems Ltd.	(22) 18.03.2019	B29C 49/42
(72) KRAMMER, Christian	(54) INJECTION MOLDING MACHINE	B29C 49/58
RADA, Christian	(73) Sumitomo Heavy Industries, Ltd.	B29C 49/78
(31) 201562132132 P	(72) MIYATAKE, Tsutomu	B29K 67/00
(32) 12.03.2015	(31) 2018062804	B29L 31/00
(33) United States of America	(32) 28.03.2018	(11) EP3481617
(51) B29C 45/13	(33) Japan	(21) EP17742827.3
B29C 45/27	(51) B29C 48/10	(47) 16.09.2020
(11) EP3374147	B29C 48/885	(87) FR2017051857
(21) EP16865014.1	(11) EP3402643	18.01.2018
(47) 16.09.2020	(21) EP17739097.8	(22) 07.07.2017
(87) US2016061356	(47) 16.09.2020	(54) METHOD FOR MANUFACTURING
18.05.2017	(87) US2017013546	PLASTIC CONTAINERS BY BLOW
(22) 10.11.2016	20.07.2017	MOULDING
(54) RECONFIGURABLE MELT DELIVERY	(22) 13.01.2017	(73) Sidel Participations
SYSTEM	(54) CONTROLLED PRESSURE	(72) DELAUNAY, Arnaud
(73) DME Company LLC	ENCLOSURE	PASQUIER, Hervé
(72) EIGLER, Frank Joseph	(73) Addex, Inc.	(31) 1656641
CRONIN, Richard Charles	(72) CREE, Robert E.	(32) 11.07.2016
(31) 201562253592 P	RANDOLPH, William J.	(33) France
(32) 10.11.2015	(31) 201614997127	(51) B29C 49/06
(33) United States of America	(32) 15.01.2016	B29C 49/42
(51) B29C 45/14	(33) United States of America	B29C 49/46
(11) EP3047952	(51) B29C 49/06	B29C 49/78
(21) EP15197502.6	B29C 49/12	(11) EP3157732
(47) 16.09.2020	B29C 49/46	(21) EP15729501.5
(22) 02.12.2015	B29C 49/58	(47) 16.09.2020
(54) CASTING DEVICE FOR THE	(11) EP3206855	(87) EP2015063677
PRODUCTION OF A CONNECTION	(21) EP15793701.2	23.12.2015
BETWEEN A CABLE TREE	(47) 16.09.2020	(22) 18.06.2015
COMPRISING HAVING A PLURALITY	(87) EP2015002048	(54) METHOD AND SYSTEM
OF SEPARATE CABLES WITH A	21.04.2016	(73) Sidel Participations
RETAINING ELEMENT INTEGRATING	(22) 16.10.2015	(72) PLANTAMURA, Bernard
SAME	(54) ARRANGEMENT FOR FEEDING	(31) 1455617
(73) Josef Weischer GmbH & Co. KG	CONTENTS INTO A CONTAINER	(32) 18.06.2014
(72) HUNE, Rupert	BEING FORMED FROM A	(33) France
TEEPE, Uwe	PREFORM, IN A MACHINE FOR	(51) B29C 53/58
(31) 202014105948 U	SIMULTANEOUSLY MOULDING AND	B29C 53/62
(32) 10.12.2014	FILLING CONTAINERS MADE FROM	B29C 70/32
(33) Germany	PREFORMS	B29L 31/08
(51) B29C 45/16	(73) KHS Corpoplast GmbH	B64C 27/473
B29C 45/17	(72) Linke, Michael	F01D 5/28
B29C 45/28	Baumgarte, Rolf	F03D 1/06
(11) EP3453511	Litzenberg, Michael	B29D 99/00
(21) EP18202496.8	Klöpffer, Gerhard	(11) EP3559417
(47) 16.09.2020	Meyer, Niels	(21) EP17816815.9
(22) 21.09.2011	(31) 102014015201	(47) 16.09.2020
(54) COINJECTION HOT RUNNER	(32) 16.10.2014	(87) EP2017083004
INJECTION MOLDING SYSTEM	(33) Germany	28.06.2018
(73) Mold-Masters (2007) Limited	(51) B29C 49/06	(22) 15.12.2017
(72) Ten, Valery	B29C 49/12	

(54) METHOD FOR PRODUCING A WIND TURBINE ROTOR BLADE, AND WIND TURBINE ROTOR BLADE	(21) EP16712849.5 (47) 16.09.2020 (87) EP2016056673 28.09.2017	(22) 18.06.2014 (54) Staggered bevels for continuous compression molding tooling dies
(73) Wobben Properties GmbH	(22) 24.03.2016	(73) The Boeing Company
(72) BÜRKNER, Falko	(54) ACCURACY IMPROVEMENT AND SURFACE FINISHING USING FUSING AGENT AND DETAILING AGENT	(72) Prebil, Charles Richard Wilkerson, Randall Dow Froeschner, Neal
(31) 102016125452	(73) Hewlett-Packard Development Company, L.P.	(31) 201313923446
(32) 22.12.2016	(72) Fornos, Pol FREIRE, Manuel GARCIA, Luis	(32) 21.06.2013
(33) Germany	(51) B29C 65/00 F16C 7/02	(33) United States of America
(51) B29C 53/58 F16B 19/00 F16C 3/02 F16C 33/20 F16D 1/04	(72) Fornos, Pol FREIRE, Manuel GARCIA, Luis	(51) B29C 73/10 B29C 73/12 B29C 64/118 B29C 64/165 B29C 64/209
(11) EP3504451	(51) B29C 65/00 F16C 7/02	(11) EP3536491
(21) EP17742750.7	(11) EP3306117	(21) EP19161763.8
(47) 16.09.2020	(21) EP17194996.9	(47) 16.09.2020
(87) EP2017068631 01.03.2018	(47) 16.09.2020	(22) 08.03.2019
(22) 24.07.2017	(22) 05.10.2017	(54) THREE-DIMENSIONAL PRINTING OF COMPOSITE REPAIR PATCHES AND STRUCTURES
(54) SLIDE PIN AND KEY TYPE COUPLING WITH SLIDE PIN	(54) HYBRID METALLIC/COMPOSITE JOINT WITH ENHANCED STRENGTH	(73) The Boeing Company Seoul National University R&DB Foundation
(73) Federal-Mogul Deva GmbH	(73) Goodrich Corporation	(72) IHN, Jeong-Beom AHN, Sung-Hoon LEE, Gil-Yong KIM, Hyung-Soo KIM, Min-Soo KIM, Ho-Jin MIN, Soo-Hong
(72) MAUS, Jan-Ulrich	(72) GURVICH, Mark R. GANIS, Rony Giovanni FAUSTINO, Virginia H.	(31) 201815915139
(31) 102016115619	(31) 201615286062	(32) 08.03.2018
(32) 23.08.2016	(32) 05.10.2016	(33) United States of America
(33) Germany	(33) United States of America	(51) B29D 11/00 (11) EP2451632 (21) EP10796922.2 (47) 16.09.2020 (87) JP2010004475 13.01.2011 (22) 09.07.2010
(51) B29C 55/16	(51) B29C 67/00	(54) SYSTEMS AND METHODS FOR THE PRODUCTION OF CONTACT LENSES
(11) EP3275625	(11) EP3233427	(73) Menicon Singapore Pte Ltd.
(21) EP15886144.3	(21) EP15813688.7	(72) NEWMAN, Stephen, D.
(47) 16.09.2020	(47) 16.09.2020	(31) 200904706
(87) CN2015099635 29.09.2016	(87) CH2015000179 23.06.2016	(32) 10.07.2009
(22) 29.12.2015	(22) 07.12.2015	(33) Singapore
(54) SADDLE CURVED-SURFACE TRANSITION-BASED STEPLESS BIDIRECTIONAL STRETCHING METHOD AND DEVICE FOR FILM	(54) METHOD AND DEVICE FOR THE MANUFACTURE OF MOLDED ARTICLES	(51) B29D 11/00 B60K 11/04 B60Q 1/00 B60Q 1/28 B60Q 1/38 F21S 41/275
(73) South China University of Technology Guangzhou Huaxinke Intelligent Manufacturing Technology Co., Ltd.	(73) Hirschberg Engineering AG	(11) EP2620692
(72) QU, Jinping ZHANG, Guizhen	(72) HIRSCHBERG, Sebastian	(21) EP12199426.3
(31) 201510134403	(31) PCT/CH2014/000177	(47) 16.09.2020
(32) 25.03.2015	(32) 19.12.2014	(22) 27.12.2012
(33) China	(33) World Intellectual Property Office (WIPO)	(54) Vehicle headlamp for generating a main light distribution and an additional light distribution
(51) B29C 63/00 B29C 63/34 B29C 65/02 B29C 65/08 B29K 101/12 B29L 7/00	(51) B29C 70/32 B29C 70/34 B29C 70/44 B29L 23/00 B29L 31/00	(73) ZKW Group GmbH
(11) EP2861407	(11) EP3061595	(72) Luger, Andreas Danner, Markus
(21) EP13731264.1	(21) EP16157734.1	(31) 500102012
(47) 16.09.2020	(47) 16.09.2020	(32) 24.01.2012
(87) CH2013000102 19.12.2013	(22) 26.02.2016	(33) Austria
(22) 12.06.2013	(54) METHOD FOR PRODUCING HOLLOW SECTIONS MADE IN COMPOSITE MATERIAL	
(54) METHOD FOR REINFORCING AND/OR LINING MATERIAL	(73) Faurecia Automotive Composites	
(73) Woodwelding AG	(72) BRANDON, Cyrille DIDION, Basile	
(72) MAYER, Jörg AESCHLIMANN, Marcel	(31) 1551698	
(31) 201261659547 P	(32) 27.02.2015	
(32) 14.06.2012	(33) France	
(33) United States of America	(51) B29C 70/46 B29C 70/52 B29K 101/12 B29L 31/30	
(51) B29C 64/165 B29C 64/393	(11) EP2815874	
(11) EP3383621	(21) EP14172915.2	
	(47) 16.09.2020	

(51) B29D 11/00 C08F 20/10 C08F 222/10 C08L 33/04 C08L 33/14 C09D 133/14 G02F 1/13 G02F 1/1334 G02F 1/1337	(31) 201600121323 17200962 (32) 30.11.2016 10.11.2017 (33) Italy European Patent Office (EPO)	(33) United States of America <hr/> (51) B30B 9/30 B64D 11/00 B64D 11/04 B65F 3/20 B65F 9/00
(11) EP2933273 (21) EP13863016.5 (47) 16.09.2020 (87) KR2013011681 19.06.2014 (22) 16.12.2013 (54) POLYMERIZABLE COMPOSITION (73) LG Chem, Ltd. (72) YOU, Jung Sun OH, Dong Hyun MIN, Sung Joon KIM, Kyung Jun LEE, Dae Hee CHANG, Jun Won PARK, Moon Soo	(31) EP3554819 (21) EP17787917.8 (47) 16.09.2020 (87) EP2017077042 28.06.2018 (22) 24.10.2017 (54) TREAD FOR COLD-RETREADING A UTILITY VEHICLE TIRE AND TIRE OF SUCH A VEHICLE (73) Continental Reifen Deutschland GmbH (72) LUTZ, André PIKNA, Michal (31) 102016225428 (32) 19.12.2016 (33) Germany	(11) EP3323724 (21) EP17202311.1 (47) 16.09.2020 (22) 17.11.2017 (54) SYSTEM FOR SUCTIONING A FLUID AS WELL AS A VEHICLE HAVING SUCH A SYSTEM (73) Airbus Operations GmbH (72) SPILLE, Marc REISS, Matthias LUTZER, Wilhelm KIEHNE, Oliver KEMPA, Michael KAUFELD, Norbert (31) 102016122091 (32) 17.11.2016 (33) Germany
(31) 20120146671 20130156785 20130156783 20130156781 (32) 14.12.2012 14.12.2012 14.12.2012 14.12.2012 (33) Korea (Republic) Korea (Republic) Korea (Republic) Korea (Republic)	(31) B29D 30/52 B60C 19/08 (11) EP3375645 (21) EP18159300.5 (47) 16.09.2020 (22) 28.02.2018 (54) PNEUMATIC TIRE AND METHOD FOR MANUFACTURING THE SAME (73) SUMITOMO RUBBER INDUSTRIES, LTD. (72) MITSUOKA, Masanori KANEMATSU, Yoshiaki (31) 2017051637 (32) 16.03.2017 (33) Japan	(31) 102016122091 (32) 17.11.2016 (33) Germany <hr/> (51) B31B 50/28 B31B 50/62 B31B 100/00 (11) EP3526024 (21) EP17792122.8 (47) 16.09.2020 (87) FR2017052758 19.04.2018 (22) 09.10.2017 (54) METHOD AND DEVICE FOR SHAPING A BLANK AROUND A MANDREL (73) DS Smith Packaging France (72) DESERTOT, Didier (31) 1659819 (32) 11.10.2016 (33) France
(51) B29D 29/06 B65G 15/34 (11) EP3372536 (21) EP18161082.5 (47) 16.09.2020 (22) 09.03.2018 (54) ENDLESS BELT WITH TENSION MEMBER (73) Max Schlatterer GmbH & Co. KG (72) Weit, Dieter Karl (31) 102017105126 (32) 10.03.2017 (33) Germany	(31) B29D 30/06 B29D 30/06 (11) EP3548265 (21) EP17832984.3 (47) 16.09.2020 (87) IB2017057481 07.06.2018 (22) 29.11.2017 (54) METHOD, CURING LINE, PROCESSING UNIT AND ASSOCIATED ELECTRONIC UNIT FOR CONTROLLING CURING APPARATUSES FOR TYRE PRODUCTION (73) Pirelli Tyre S.p.A. (72) BOSCAINO, Ivan Gildo CANTU', Marco SANGIOVANNI, Stefano MORRONE, Giuseppe	(31) B30B 9/30 B62B 3/00 B62B 5/06 B64D 11/00 B64D 11/04 B65F 1/14 B65F 1/16 (11) EP3519297 (21) EP17780361.6 (47) 16.09.2020 (87) EP2017074678 05.04.2018 (22) 28.09.2017 (54) TROLLEY FOR COLLECTING WASTE (73) Airbus Operations GmbH Airbus SAS Airbus Americas, Inc. (72) REISS, Matthias JOURDAN, Nicolas SCHLIWA, Ralf DE GUTZ, Donald REIS, Gabriel Ribeiro PASSOS IKUNO, Denise Renata MAKI, Liana Shintate OMAE, Tadeu Kendy de Oliveira OTSUKA, Lucas Marques DE ANTONIO, Lucas Neumann (31) 201615281132 (32) 30.09.2016
(51) B29D 30/00 B29D 30/06 (11) EP3548265 (21) EP17832984.3 (47) 16.09.2020 (87) IB2017057481 07.06.2018 (22) 29.11.2017 (54) METHOD, CURING LINE, PROCESSING UNIT AND ASSOCIATED ELECTRONIC UNIT FOR CONTROLLING CURING APPARATUSES FOR TYRE PRODUCTION (73) Pirelli Tyre S.p.A. (72) BOSCAINO, Ivan Gildo CANTU', Marco SANGIOVANNI, Stefano MORRONE, Giuseppe	(31) B29D 30/00 B29D 30/06 (11) EP3548265 (21) EP17832984.3 (47) 16.09.2020 (87) IB2017057481 07.06.2018 (22) 29.11.2017 (54) METHOD, CURING LINE, PROCESSING UNIT AND ASSOCIATED ELECTRONIC UNIT FOR CONTROLLING CURING APPARATUSES FOR TYRE PRODUCTION (73) Pirelli Tyre S.p.A. (72) BOSCAINO, Ivan Gildo CANTU', Marco SANGIOVANNI, Stefano MORRONE, Giuseppe	(31) B31B 50/28 B31B 100/00 (11) EP3526025 (21) EP17792124.4 (47) 16.09.2020 (87) FR2017052762 19.04.2018 (22) 09.10.2017 (54) DEVICE AND METHOD FOR REMOVING A FORMED BOX FROM A MANDREL (73) DS Smith Packaging France (72) DESERTOT, Didier (31) 1659831 (32) 11.10.2016 (33) France <hr/> (51) B32B 1/08 B32B 5/16 B32B 7/12 B32B 27/08 B32B 27/12 B32B 27/14 B32B 27/18 B32B 27/22 B32B 27/28 B32B 27/30 B32B 27/32 B32B 27/34 B32B 27/36

B32B 27/40	NAGATA Akio	B32B 27/32
C08J 5/18	(31) 2015200806	B32B 37/06
C08K 3/22	2016196702	B32B 37/10
C08L 23/04	(32) 09.10.2015	(11) EP3335871
(11) EP3497157	04.10.2016	(21) EP17208509.4
(21) EP16794450.3	(33) Japan	(47) 16.09.2020
(47) 16.09.2020	Japan	(22) 19.12.2017
(87) US2016055166	(51) B32B 3/26	(54) A MULTILAYER STRUCTURE AND
12.04.2018	B32B 5/14	AUTOMOTIVE COMPONENT MADE
(22) 03.10.2016	B32B 7/12	THEREOF
(54) METHOD OF MANUFACTURING FOOD	B32B 15/085	(73) Adler Evo S.r.l.
PACKAGING PLASTIC FILMS AND	B32B 15/088	(72) LESAGE, Giorgio
FOOD PACKAGING PLASTIC FILMS	B32B 15/09	TOCCHI, Gabriele
THUS PRODUCED	B32B 15/20	ROSSI, Samuele
(73) Viskase Companies, Inc.	B32B 27/08	TARELLO, Maurizio
(72) NICHOLSON, Myron, D.	B32B 27/32	(31) 201600128166
BARGEOT, Francois	B32B 27/34	(32) 19.12.2016
(51) B32B 3/02	B32B 27/36	(33) Italy
B32B 3/08	(11) EP3580055	(51) B32B 5/02
B32B 9/00	(21) EP18701341.2	B32B 5/16
B32B 9/04	(47) 16.09.2020	B32B 5/30
B32B 15/01	(87) EP2018051725	B32B 7/12
B32B 15/04	16.08.2018	B32B 13/04
B32B 15/088	(22) 24.01.2018	B32B 13/12
B32B 15/14	(54) COMPOSITE FILM FOR PRODUCING	B32B 13/14
B32B 15/18	PACKAGING	B32B 25/08
B32B 15/20	(73) Constantia Pirk GmbH & Co. KG	B32B 25/10
B32B 27/34	(72) REICH, Peter	B32B 25/16
F01D 21/04	BARBISCH, Christian	B32B 27/08
F01D 21/10	KICK, Markus	B32B 27/12
F01D 25/00	(31) 501032017	B32B 27/14
F01D 25/24	(32) 09.02.2017	B32B 27/30
F41H 5/04	(33) Austria	B32B 27/32
(11) EP3318402	(51) B32B 3/28	B32B 27/34
(21) EP17154698.9	B32B 3/30	B32B 27/36
(47) 16.09.2020	B32B 7/12	E04B 1/66
(22) 03.02.2017	B32B 7/14	E21D 11/10
(54) ENERGY ABSORBING BEAM AND	B32B 15/00	E21D 11/38
SANDWICH PANEL STRUCTURE	B32B 15/01	B32B 7/08
(73) United Technologies Corporation	B32B 15/04	(11) EP3563039
(72) TWELVES Jr., Wendell V.	B32B 15/098	(21) EP17825526.1
BUTCHER, Evan	B32B 15/18	(47) 16.09.2020
KIRONN, Lexia	B32B 15/20	(87) EP2017084182
OTT, Joe	E04C 2/34	05.07.2018
ROBERGE, Gary	B32B 7/00	(22) 21.12.2017
(31) 201615017127	(11) EP2835255	(54) WATERPROOFING SYSTEM
(32) 05.02.2016	(21) EP14179656.5	(73) Sika Technology AG
(33) United States of America	(47) 16.09.2020	(72) LEE, Yang Soo
(51) B32B 3/10	(22) 04.08.2014	KANG, Jy
B32B 7/12	(54) STRUCTURAL SANDWICH PANEL	KIM, Sangyong
B32B 17/10	FOR HIGH STRENGTH WALLS AND	(31) 20160183494
B60J 1/00	COVERINGS, FURNITURE, TRAIN AND	(32) 30.12.2016
B60J 1/20	SHIP FURNITURE, AND METHOD FOR	(33) Korea (Republic)
B60S 1/02	PRODUCING IT	(51) B32B 5/02
B32B 7/02	(73) 5 W S.r.l.	B32B 5/26
(11) EP3360735	(72) Donati, Giulia	B32B 5/30
(21) EP16853705.8	(31) MI20131338	B32B 7/12
(47) 16.09.2020	(32) 05.08.2013	B32B 21/06
(87) JP2016079813	(33) Italy	B32B 21/10
13.04.2017	(51) B32B 5/02	B32B 27/06
(22) 06.10.2016	B32B 5/08	B32B 29/00
(54) VEHICLE WINDSHIELD AND VEHICLE	B32B 5/18	(11) EP3556549
COMPONENT USING SAME	B32B 5/24	(21) EP18167554.7
(73) AGC Inc.	B32B 5/26	(47) 16.09.2020
(72) IRIE Tetsuji	B32B 23/04	(22) 16.04.2018
SATO Nana	B32B 23/10	(54) SUBSTRATE FOR SYNTHETIC RESIN
OKAWA Jun	B32B 27/06	(73) SWISS KRONO Tec AG
SAITO Hideyuki	B32B 27/12	(72) Kalwa, Norbert

(51) B32B 5/02	H01L 21/304	(54) COPPER FOIL COMPOSITE, COPPER
B32B 13/08	H01L 21/683	FOIL USED FOR THE SAME, FORMED
B32B 27/34	B32B 7/04	PRODUCT AND METHOD OF
(11) EP2838723	B32B 7/06	PRODUCING THE SAME
(21) EP13719667.1	(11) EP3121838	(73) JX Nippon Mining & Metals Corporation
(47) 16.09.2020	(21) EP15764462.6	(72) KAMMURI Kazuki
(87) US2013036870	(47) 16.09.2020	(31) 2011108298
24.10.2013	(87) JP2015001099	(32) 13.05.2011
(22) 17.04.2013	24.09.2015	(33) Japan
(54) MULTILAYERED SHEET	(22) 03.03.2015	<hr/>
(73) E. I. du Pont de Nemours and Company	(54) WAFER PROCESSING LAMINATE,	(51) B32B 15/08
(72) KAWKA, Dariusz, Wlodzimierz	TEMPORARY ADHESIVE MATERIAL	C08J 5/24
(31) 201261625912 P	FOR WAFER PROCESSING, AND	C08K 5/01
(32) 18.04.2012	METHOD FOR MANUFACTURING THIN	C08K 5/08
(33) United States of America	WAFER	C08L 71/12
<hr/>	(73) Shin-Etsu Chemical Co., Ltd.	C08L 83/04
(51) B32B 5/16	(72) SUGO, Michihiro	H05K 1/03
B32B 27/14	YASUDA, Hiroyuki	(11) EP3569655
C08K 3/08	TAGAMI, Shohei	(21) EP18802252.9
C08K 3/22	TANABE, Masahito	(47) 16.09.2020
C08K 3/30	(31) 2014055370	(87) KR2018004248
C09D 5/00	(32) 18.03.2014	22.11.2018
C09D 101/12	(33) Japan	(22) 11.04.2018
C09D 123/12	<hr/>	(54) RESIN COMPOSITION FOR
C09D 125/06	(51) B32B 15/08	SEMICONDUCTOR PACKAGE,
C09D 129/14	B32B 15/085	AND PREPREG AND METAL CLAD
C09D 133/12	B32B 27/08	LAMINATE, WHICH USE SAME
C09D 145/00	B32B 27/32	(73) LG Chem, Ltd.
C09D 167/02	B32B 33/00	(72) SHIM, Chang Bo
C09D 169/00	H05K 1/03	SHIM, Hee Yong
G02B 5/02	H05K 1/05	MIN, Hyun Sung
G09F 19/18	H05K 3/46	MOON, Hwa Yeon
H04N 5/74	B32B 7/02	SONG, Seung Hyun
G03B 21/60	(11) EP3357687	HWANG, Yong Seon
G03B 21/62	(21) EP16851440.4	(31) 20170060152
(11) EP3133441	(47) 16.09.2020	(32) 15.05.2017
(21) EP15779560.0	(87) JP2016078257	(33) Korea (Republic)
(47) 16.09.2020	06.04.2017	<hr/>
(87) JP2015061276	(22) 26.09.2016	(51) B32B 15/082
22.10.2015	(54) LAMINATE, METHOD FOR	B32B 27/08
(22) 10.04.2015	PRODUCING SAME, AND FLEXIBLE	B32B 27/30
(54) FILM FOR TRANSPARENT SCREEN,	PRINTED CIRCUIT BOARD	B32B 27/32
METHOD FOR MANUFACTURE	(73) Zeon Corporation	B32B 37/12
THEREOF, AND TRANSPARENT	(72) ENDO, Mitsuteru	C09J 123/08
SCREEN COMPRISING SAME	(31) 2015190387	C09J 133/08
(73) Tokyo Institute of Technology	(32) 28.09.2015	(11) EP3161088
JX Nippon Oil & Energy Corporation	(33) Japan	(21) EP15733813.8
(72) WATANABE, Junji	<hr/>	(47) 16.09.2020
SAKAJIRI, Koichi	(51) B32B 15/08	(87) FR2015051517
YAMAKI, Kousuke	B32B 15/20	30.12.2015
NISHIMURA, Suzushi	B32B 27/28	(22) 09.06.2015
MATSUO, Akira	B32B 27/32	(54) SEALING ADHESIVE COMPOSITION
(31) 2014082965	C22C 9/00	(73) Arkema France
2014138824	C22C 9/02	(72) COQUET, Clio
(32) 14.04.2014	C22C 9/04	LAURENT, Betty
04.07.2014	C22C 9/05	DEVISME, Samuel
(33) Japan	C22C 9/06	(31) 1455949
Japan	C22C 9/10	(32) 26.06.2014
<hr/>	C22F 1/00	(33) France
(51) B32B 7/12	C22F 1/08	<hr/>
B32B 27/08	H05K 1/03	(51) B32B 15/092
B32B 27/18	H05K 1/09	C08G 59/40
B32B 27/26	H05K 9/00	C08J 5/24
B32B 27/28	(11) EP2695733	C08K 5/16
C09J 11/04	(21) EP12786287.8	C08L 61/14
C09J 11/06	(47) 16.09.2020	C08L 63/00
C09J 183/04	(87) JP2012061761	H01B 3/36
C09J 183/06	22.11.2012	H05K 1/03
C09J 201/00	(22) 08.05.2012	C08K 3/00
H01L 21/02		(11) EP3012294
		(21) EP14814473.6

(47) 16.09.2020	(54) GLAZING COMPRISING A VARIABLE LIGHT DIFFUSION SYSTEM AND A PAIR OF ABSORBERS	(54) METHOD OF FORMING PATTERN FOR A LARGE AREA LIQUID CRYSTAL DEVICE
(87) JP2014065939 24.12.2014	(73) SAINT-GOBAIN GLASS FRANCE	(73) LG Chem, Ltd.
(22) 16.06.2014	(72) GAYOUT, Patrick	(72) PARK, Jeong Ho
(54) RESIN COMPOSITION, PREPREG, RESIN SHEET AND METAL FOIL-CLAD LAMINATE	MIMOUN, Emmanuel	LEE, Jin Soo
(73) Mitsubishi Gas Chemical Company, Inc.	(31) 1260426	SHIN, Bu Gon
(72) ARII, Kenji	(32) 31.10.2012	(31) 20160150575
KOBAYASHI, Takashi	(33) France	(32) 11.11.2016
SOGAME, Masanobu	(51) B32B 17/10	(33) Korea (Republic)
MABUCHI, Yoshinori	G02B 27/01	(51) B32B 33/00
MISHIMA, Hiroyuki	(11) EP3079901	(11) EP2280824
(31) 2013127440	(21) EP14795642.9	(21) EP08750878.4
2013266949	(47) 16.09.2020	(47) 16.09.2020
(32) 18.06.2013	(87) EP2014074115	(87) IB2008001089
25.12.2013	18.06.2015	05.11.2009
(33) Japan	(22) 10.11.2014	(22) 01.05.2008
Japan	(54) THERMOPLASTIC FILM FOR A COMPOSITE GLASS SHEET WITH A NON-LINEAR CONTINUOUS WEDGE INSERT IN VERTICAL AND HORIZONTAL DIRECTION	(54) WRAPPING MATERIAL WITH OPPOSING ADHESIVE MEANS
(51) B32B 17/10	(73) SAINT-GOBAIN GLASS FRANCE	(73) Tama Plastic Industry
(11) EP3532285	(72) ARNDT, Martin	(72) MASS, Nissim
(21) EP17783400.9	GOSSEN, Stefan	(51) B33Y 30/00
(47) 16.09.2020	(31) 13196871	B29C 64/379
(87) EP2017073927	(32) 12.12.2013	B33Y 40/00
03.05.2018	(33) European Patent Office (EPO)	(11) EP3513952
(22) 21.09.2017	(51) B32B 27/08	(21) EP18162774.6
(54) PROCESS FOR PRODUCING A LAMINATED PANE FOR A VEHICLE	B32B 27/30	(47) 16.09.2020
(73) SAINT-GOBAIN GLASS FRANCE	B32B 27/32	(22) 20.03.2018
(72) GILLESSEN, Stephan	G09F 3/02	(54) THREE-DIMENSIONAL PRINTING SYSTEM
BAUERLE, Pascal	(11) EP2874813	(73) XYZprinting, Inc.
BRIS, Jean Jacques	(21) EP13747424.3	Kinpo Electronics, Inc.
(31) 16196251	(47) 16.09.2020	(72) CHIU, Yi-Min
(32) 28.10.2016	(87) FI2013050750	LEE, Yang-Teh
(33) European Patent Office (EPO)	23.01.2014	(31) 201810044298
(51) B32B 17/10	(22) 12.07.2013	(32) 17.01.2018
C03C 3/095	(54) A LABEL FACESTOCK	(33) China
C03C 4/08	(73) UPM Raflatac Oy	(51) B41F 13/14
C03C 27/12	(72) SAXBERG, Tom	B41F 13/24
G01S 17/93	MITCHELL, Noel	B41F 33/00
(11) EP2155487	MANNER, Matti	B41F 33/02
(21) EP08762268.4	VÄHÄLÄ, Martti	B41F 33/10
(47) 16.09.2020	(31) 20125800	(11) EP1842673
(87) GB2008001919	201261672358 P	(21) EP07005770.8
11.12.2008	(32) 17.07.2012	(47) 16.09.2020
(22) 05.06.2008	17.07.2012	(22) 21.03.2007
(54) TINTED LAMINATED VEHICLE GLAZING	(33) Finland	(54) Integrated quality regulation
(73) Pilkington Automotive Limited	United States of America	(73) manroland sheetfed GmbH
Pilkington Group Limited	(51) B32B 27/28	(72) Kühlmeyer, Lothar, Dr.
(72) TORR, Ashley, Carl	B32B 27/32	Schölzig, Jürgen
BARTON, Neil	B32B 27/36	(31) 102006015863
(31) 0710808	B32B 43/00	102007008392
(32) 06.06.2007	G02F 1/1335	(32) 03.04.2006
(33) United Kingdom	G02F 1/1337	21.02.2007
(51) B32B 17/10	G02F 1/1339	(33) Germany
C09K 19/54	G02F 1/1343	Germany
E06B 3/67	H01B 5/14	(51) B41F 17/08
G02B 5/20	B23K 26/351	B41F 17/10
G02B 5/22	(11) EP3539773	B41F 17/18
G02F 1/1334	(21) EP17869356.0	B41J 3/407
(11) EP2915005	(47) 16.09.2020	B41J 3/54
(21) EP13801634.0	(87) KR2017012753	(11) EP3536502
(47) 16.09.2020	17.05.2018	(21) EP19159620.4
(87) FR2013052607	(22) 10.11.2017	(47) 16.09.2020
08.05.2014		(22) 27.02.2019
(22) 31.10.2013		(54) PRINTING MACHINE FOR PRINTING OBJECTS AND CORRESPONDING METHOD

- (73) MACHINES DUBUIT
(72) DUBUIT, Jean-Louis
(31) 1851871
(32) 05.03.2018
(33) France
-
- (51) B41F 33/00
H04N 1/60
(11) EP2661070
(21) EP13166235.5
(47) 16.09.2020
(22) 02.05.2013
(54) Method and device for the colorimetric measurement of a printed image
(73) BST eltromat International GmbH
(72) Dattner, Michael
Bettführ, Jürgen
Wiebe, Michael
(31) 102012207267
(32) 02.05.2012
(33) Germany
-
- (51) B41J 2/005
B41J 2/01
B41J 11/00
B41J 29/17
B41M 1/06
B41M 5/00
B41M 5/025
B41M 5/03
B41M 7/00
(11) EP3401097
(21) EP16883546.0
(47) 16.09.2020
(87) JP2016005241
13.07.2017
(22) 28.12.2016
(54) INKJET RECORDING DEVICE AND INKJET RECORDING METHOD
(73) Canon Kabushiki Kaisha
(72) HIROKAWA, Ryosuke
MIYAKOSHI, Toshimori
MOTOOKA, Hiroaki
GOTO, Ryohei
(31) 2016000747
2016107949
(32) 05.01.2016
30.05.2016
(33) Japan
Japan
-
- (51) B41J 2/01
B41J 2/175
B41J 2/33
(11) EP2291289
(21) EP08769816.3
(47) 16.09.2020
(87) US2008065133
03.12.2009
(22) 29.05.2008
(54) PRINTER INCLUDING POSITIONABLE PRINTING UNITS
(73) Hewlett-Packard Development Company, L.P.
(72) RAY, Paul C.
TARNACKI, Thomas J.
LEE, Mun Yew
MANDERS, Robert J.
BAETEN, Michael J.
-
- (51) B41J 2/01
B41J 11/00
- (11) EP3401102
(21) EP16883551.0
(47) 16.09.2020
(87) JP2016005247
13.07.2017
(22) 28.12.2016
(54) INKJET RECORDING APPARATUS AND METHOD FOR MANUFACTURING POROUS BODY
(73) Canon Kabushiki Kaisha
(72) YAMANE, Toru
MOURI, Akihiro
TOYAMA, Noboru
HIROKAWA, Ryosuke
DEGUCHI, Kyosuke
OHNISHI, Toru
(31) 2016000746
2016016272
2016105334
2016106189
(32) 05.01.2016
29.01.2016
26.05.2016
27.05.2016
(33) Japan
Japan
Japan
Japan
-
- (51) B41J 2/12
B41J 2/21
B41J 3/407
B41J 19/14
B41J 29/38
(11) EP3208090
(21) EP17152748.4
(47) 16.09.2020
(22) 24.01.2017
(54) PRINTING APPARATUS AND PRINTING METHOD
(73) Seiko Epson Corporation
(72) FUJITA, Toru
(31) 2016011876
(32) 25.01.2016
(33) Japan
-
- (51) B41J 2/14
B41J 2/155
(11) EP2979870
(21) EP14775317.2
(47) 16.09.2020
(87) JP2014057327
02.10.2014
(22) 18.03.2014
(54) LIQUID JET HEAD AND RECORDING APPARATUS USING SAME
(73) Kyocera Corporation
(72) GEJIMA, Kenko
(31) 2013064300
(32) 26.03.2013
(33) Japan
-
- (51) B41J 2/14
B41J 2/16
(11) EP2990207
(21) EP15182388.7
(47) 16.09.2020
(22) 25.08.2015
(54) FLOW PATH COMPONENT, LIQUID DISCHARGE HEAD, AND LIQUID DISCHARGE APPARATUS
- (73) Seiko Epson Corporation
(72) TAKABE, Motoki
ASADA, Koji
FURIHATA, Hidemichi
ASAKAWA, Hiroyasu
(31) 2014176910
(32) 01.09.2014
(33) Japan
-
- (51) B41J 2/15
B41J 2/165
B41J 29/02
B41J 29/13
B41J 29/17
(11) EP3546236
(21) EP19162109.3
(47) 16.09.2020
(22) 12.03.2019
(54) INKJET PRINTER
(73) Weber Marking Systems GmbH
(72) Andreas Bluhm,
Ingo Becker,
(31) 102018204794
(32) 28.03.2018
(33) Germany
-
- (51) B41J 2/32
B41J 11/02
B65H 5/36
B65H 9/00
(11) EP2821355
(21) EP13755252.7
(47) 16.09.2020
(87) JP2013054741
06.09.2013
(22) 25.02.2013
(54) THERMAL PRINTER
(73) Sato Holdings Kabushiki Kaisha
(72) HOSHI, Kazuyuki
(31) 2012045155
(32) 01.03.2012
(33) Japan
-
- (51) B41J 2/44
G02B 26/10
G03G 15/00
G03G 15/01
G03G 15/04
G03G 15/043
G03G 21/16
H04N 1/113
(11) EP2942670
(21) EP12890680.7
(47) 16.09.2020
(87) JP2012083847
03.07.2014
(22) 27.12.2012
(54) IMAGE FORMING DEVICE
(73) Canon Kabushiki Kaisha
(72) ARUGA, Daisuke
-
- (51) B41J 3/407
B41J 3/44
B41J 11/00
G06F 3/12
G06K 1/12
(11) EP3227824
(21) EP15813166.4
(47) 16.09.2020
(87) US2015062073
09.06.2016
(22) 23.11.2015

(54) METHOD OF QUICKLY CONFIGURING AN RFID PRINTER	(11) EP3344674	(33) Germany
(73) Avery Dennison Retail Information Services, LLC	(21) EP16819580.8	(51) B43K 1/08
(72) DUCKETT, Jeanne F.	(47) 16.09.2020	B43K 7/10
(31) 201414556489	(87) EP2016082718	(11) EP2821244
(32) 01.12.2014	(20) 20.07.2017	(21) EP13755288.1
(33) United States of America	(22) 27.12.2016	(47) 16.09.2020
(51) B41J 3/407	(54) THERMOCHROMIC POLYURETHANE FOAM	(87) JP2013053957
B41J 25/316	(73) PCC Prodex GmbH	06.09.2013
(11) EP3442805	(72) FACH, Thomas	(22) 19.02.2013
(21) EP17727695.3	(31) 102016000144	(54) WRITING IMPLEMENT
(47) 16.09.2020	(32) 12.01.2016	(73) Kabushiki Kaisha Pilot Corporation
(87) IB2017052112	(33) Germany	THE PILOT INK CO., LTD.
19.10.2017	(51) B42C 9/00	(72) TOYOTA, Kunihiro
(22) 12.04.2017	B42D 25/24	SEKINE, Nobuo
(54) MACHINE FOR THE DECORATION OF TRIDIMENSIONAL PRODUCTS	(11) EP3492273	(31) 2012040305
(73) Projecta Engineering S.r.l.	(21) EP18204310.9	(32) 27.02.2012
(72) PALUMBO, Vincenzo	(47) 16.09.2020	(33) Japan
(31) UA20162528	(22) 05.11.2018	(51) B60B 1/02
(32) 12.04.2016	(54) BOOK-LIKE VALUABLE AND/OR SECURITY DOCUMENT AND METHOD FOR PRODUCING A BOOK-LIKE VALUABLE AND/OR SECURITY DOCUMENT	B60B 5/02
(33) Italy	(73) Bundesdruckerei GmbH	B60B 9/26
(51) B41J 11/00	(72) Krüger, Per	(11) EP3368335
F26B 3/04	Wagner, Ricarda	(21) EP15798217.4
F26B 13/14	Riebe, Olaf	(47) 16.09.2020
F26B 21/04	(31) 102017127565	(87) IB2015058420
(11) EP3366480	(32) 22.11.2017	04.05.2017
(21) EP18155793.5	(33) Germany	(22) 30.10.2015
(47) 16.09.2020	(51) B42D 25/23	(54) SPOKE FABRICATION FOR A NON-PNEUMATIC WHEEL
(22) 08.02.2018	B42D 25/30	(73) Compagnie Générale des Etablissements Michelin
(54) CONCENTRIC DUCT SYSTEM FOR A DRYER OF A PRINTING SYSTEM	B42D 25/45	(72) DELFINO, Antonio
(73) Ricoh Company, Ltd.	B29C 48/08	BERGUERAND, Philippe
(72) BOLAND, Stuart James	B29C 48/16	BLANC, Maëick
JOHNSON, Scott Richard	B29C 48/30	SCHROETER, Pascal
(31) 201715444530	(11) EP3275682	(51) B60B 19/00
(32) 28.02.2017	(21) EP17001287.6	B60B 19/04
(33) United States of America	(47) 16.09.2020	B60B 25/00
(51) B41J 29/38	(22) 26.07.2017	B60C 7/00
G03G 21/00	(54) DATA STORAGE CARRIER CARD WITH COEXTRUDED STRIP FILM	B60C 7/08
H04N 1/00	(73) Giesecke+Devrient Mobile Security GmbH	B60C 7/24
(11) EP3295659	(72) Riedl, Josef	(11) EP3377331
(21) EP16792354.9	(31) 102016009261	(21) EP16866972.9
(47) 16.09.2020	(32) 29.07.2016	(47) 16.09.2020
(87) JP2016002178	(33) Germany	(87) US2016062101
17.11.2016	(51) B42D 25/324	26.05.2017
(22) 25.04.2016	(11) EP3427967	(22) 15.11.2016
(54) INFORMATION PROCESSING SYSTEM, INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING PROGRAM	(21) EP18000582.9	(54) COLLAPSIBLE WHEELS AND METHODS OF MAKING COLLAPSIBLE WHEELS
(73) Ricoh Company, Ltd.	(47) 16.09.2020	(73) Karsten Manufacturing Corporation
(72) KITAYAMA, Akiko	(22) 06.07.2018	(72) SOLHEIM, John A.
SHIBATA, Yuto	(54) SECURITY ELEMENT COMPRISING AN OPTICALLY VARIABLE TWO-DIMENSIONAL EMBOSSED STRUCTURE	COLE, Eric V.
NAKAZAWA, Keisuke	(73) Giesecke+Devrient Currency Technology GmbH	CLARK, Neil J.
(31) 2015098937	(72) Imhof, Martin	(31) 201514945577
(32) 14.05.2015	Heine, Astrid	(32) 19.11.2015
(33) Japan	Franz, Peter	(33) United States of America
(51) B41M 5/28	Huynh, Thanh-Hao	(51) B60B 33/00
C08G 18/10	Mayer, Karlheinz	H01F 27/00
C08G 18/18	Dehmel, Raphael	(11) EP3535136
C08G 18/24	(31) 102017006513	(21) EP17812036.6
C08G 18/32	(32) 10.07.2017	(47) 16.09.2020
C08G 18/42		(87) IB2017001306
C08G 18/76		11.05.2018
		(22) 30.10.2017
		(54) WHEEL SUPPORT AND WHEEL FOR ELECTRIC TRANSFORMER
		(73) CDR ITALY s.r.l.
		(72) BARACCO, Pietro

PAVLOVIC, Ana	(54) A TIRE COMPRISING A TREAD	(72) BRANDAU, Christian
(31) 201600110680	(73) Compagnie Générale des	KRINGS, Stefan
(32) 07.11.2016	Etablissements Michelin	SENG, Matthias
(33) Italy	(72) MORIYAMA, Masahiko	(31) 102016224369
(51) B60B 35/00	SAKURADA, Tomoya	(32) 07.12.2016
B60B 35/02	(31) PCT/JP2016/087345	(33) Germany
B60B 35/04	(32) 15.12.2016	(51) B60C 11/03
B60B 35/08	(33) World Intellectual Property Office (WIPO)	B60C 11/04
B60G 7/00	(51) B60C 1/00	B60C 11/12
(11) EP3592572	C08C 19/22	(11) EP3575111
(21) EP18709287.9	C08C 19/25	(21) EP19174272.5
(47) 16.09.2020	C08C 19/44	(47) 16.09.2020
(87) EP2018054639	C08F 236/10	(22) 14.05.2019
13.09.2018	C08K 5/01	(54) PNEUMATIC TYRE
(22) 26.02.2018	C08L 9/00	(73) Sumitomo Rubber Industries, Ltd.
(54) STUB ELEMENT AND AXLE SYSTEM	C08L 15/00	(72) TANABE, Maiko
(73) SAF-HOLLAND GmbH	(11) EP3581398	KITORA, Ryuta
(72) WEBER, Elmar	(21) EP19179417.1	(31) 2018105186
(31) 102017104554	(47) 16.09.2020	2018177770
(32) 06.03.2017	(22) 11.06.2019	(32) 31.05.2018
(33) Germany	(54) RUBBER COMPOSITION FOR TIRE,	21.09.2018
(51) B60B 35/08	AND PNEUMATIC TIRE	(33) Japan
B60C 23/00	(73) Sumitomo Rubber Industries, Ltd.	Japan
B60C 23/16	(72) MIYAZAKI, Tatsuya	(51) B60C 11/03
(11) EP3630506	(31) 2018111088	B60C 11/11
(21) EP18726758.8	(32) 11.06.2018	B60C 11/12
(47) 16.09.2020	(33) Japan	B60C 11/13
(87) EP2018062657	(51) B60C 9/20	(11) EP3308978
29.11.2018	B60C 9/22	(21) EP17181603.6
(22) 16.05.2018	B60C 11/02	(47) 16.09.2020
(54) UTILITY VEHICLE WITH TIRE FILLING	B60C 15/00	(22) 17.07.2017
SYSTEM	(11) EP3408113	(54) PNEUMATIC TYRES FOR A VEHICLE
(73) SAF-HOLLAND GmbH	(21) EP17731266.7	(73) Continental Reifen Deutschland GmbH
(72) WENZEL, Jochen	(47) 16.09.2020	(72) Jabri, Mohamed Aymen
(31) 102017111120	(87) IB2017050235	(31) 102016220187
(32) 22.05.2017	03.08.2017	(32) 17.10.2016
(33) Germany	(22) 17.01.2017	(33) Germany
(51) B60C 1/00	(54) A LOAD-BEARING STRUCTURE OF A	(51) B60C 11/03
B60C 9/20	SEPARATE-TREAD RADIAL TYRE AND	B60C 11/12
C08K 5/00	RADIAL TYRE HAVING A SEPARATE	(11) EP3551476
C08K 5/44	TREAD	(21) EP17783500.6
(11) EP3206890	(73) Mai Italia S.r.l.	(47) 16.09.2020
(21) EP15778317.6	(72) MAI, Renato	(87) EP2017076040
(47) 16.09.2020	(31) UB20160196	14.06.2018
(87) EP2015073421	(32) 25.01.2016	(22) 12.10.2017
21.04.2016	(33) Italy	(54) VEHICLE TIRES
(22) 09.10.2015	(51) B60C 9/22	(73) Continental Reifen Deutschland GmbH
(54) REINFORCED PRODUCT	B60C 9/26	(72) KRINGS, Stefan
COMPRISING A COMPOSITION	B60C 9/30	BRANDAU, Christian
WITH A LOW SULPHUR CONTENT	(11) EP3521061	SENG, Matthias
AND TYRE COMPRISING SAID	(21) EP18214340.4	(31) 102016224366
REINFORCED PRODUCT	(47) 16.09.2020	(32) 07.12.2016
(73) Compagnie Générale des	(22) 20.12.2018	(33) Germany
Etablissements Michelin	(54) TIRE	(51) B60C 11/03
(72) THUILLIEZ, Anne-Lise	(73) Sumitomo Rubber Industries Ltd.	B60C 11/12
(31) 1459807	(72) HIKITA, Masahiro	(11) EP3551475
(32) 13.10.2014	(31) 2018019510	(21) EP17783494.2
(33) France	(32) 06.02.2018	(47) 16.09.2020
(51) B60C 1/00	(33) Japan	(87) EP2017076024
B60C 11/12	(51) B60C 11/03	14.06.2018
C08L 9/00	(11) EP3551474	(22) 12.10.2017
C08L 21/00	(21) EP17787161.3	(54) PNEUMATIC VEHICLE TIRE
(11) EP3555201	(47) 16.09.2020	(73) Continental Reifen Deutschland GmbH
(21) EP17822043.0	(87) EP2017076651	(72) BRANDAU, Christian
(47) 16.09.2020	14.06.2018	SENG, Matthias
(87) JP2017045019	(22) 19.10.2017	KRINGS, Stefan
21.06.2018	(54) VEHICLE TIRES	(31) 102016224365
(22) 15.12.2017	(73) Continental Reifen Deutschland GmbH	(32) 07.12.2016

(33) Germany	(33) Germany	(11) EP3585631
(51) B60C 11/03	(51) B60C 23/00	(21) EP18710109.2
B60C 11/12	(11) EP3038844	(47) 16.09.2020
(11) EP3549790	(21) EP14734450.1	(87) FR2018050453
(21) EP19161015.3	(47) 16.09.2020	30.08.2018
(47) 16.09.2020	(87) EP2014063570	(22) 26.02.2018
(22) 06.03.2019	05.03.2015	(54) WHEELED LOGISTICAL MODULE PROVIDED WITH A TOWING DEVICE
(54) TYRE	(22) 26.06.2014	(73) YTHALES INVEST
(73) SUMITOMO RUBBER INDUSTRIES LIMITED	(54) METHOD OF INFLATING AND DEFLATING A TYRE	(72) CHERBONNIER, Yves
(72) MISHIMA, Mari	(73) AGCO International GmbH	(31) 1751526
(31) 2018074060	(72) HOLDRICH, Bernhard	(32) 24.02.2017
(32) 06.04.2018	KREULICH, Frank	(33) France
(33) Japan	STADELE, Alexander	(51) B60D 1/06
(51) B60C 13/00	(31) 201315393	B60D 1/24
(11) EP3533633	(32) 29.08.2013	B60D 1/62
(21) EP19150901.7	(33) United Kingdom	(11) EP3227130
(47) 16.09.2020	(51) B60C 23/00	(21) EP15802140.2
(22) 09.01.2019	B60C 23/16	(47) 16.09.2020
(54) TYRE	B60C 29/02	(87) EP2015078249
(73) Sumitomo Rubber Industries, Ltd.	(11) EP2969602	09.06.2016
(72) NAKAJIMA, Koichi	(21) EP14767861.9	(22) 01.12.2015
(31) 2018034039	(47) 16.09.2020	(54) TRAILER COUPLING COMPRISING A SENSOR
(32) 28.02.2018	(87) US2014020715	(73) WESTFALIA - Automotive GmbH
(33) Japan	25.09.2014	(72) SCHEIPS, René
(51) B60C 19/00	(22) 05.03.2014	SIELHORST, Bernhard
(11) EP3266627	(54) TIRE PRESSURE MAINTENANCE APPARATUS AND SYSTEM	STOCKHAUS, Tim
(21) EP17170583.3	(73) Dayco IP Holdings, LLC	(31) 102014117645
(47) 16.09.2020	(72) FLETCHER, David ("Dave")	102014117712
(22) 11.05.2017	MILLER, James	(32) 01.12.2014
(54) PNEUMATIC TYRES FOR A VEHICLE	MARKYVECH, Craig	02.12.2014
(73) Continental Reifen Deutschland GmbH	GRAICHEN, Brian	(33) Germany
(72) Zebian, Makram	(31) 201313844155	Germany
Schürmann, Oliver	(32) 15.03.2013	(51) B60D 5/00
Özdoğan, Gültekin	(33) United States of America	(11) EP3266629
(31) 102016212472	(51) B60C 23/04	(21) EP16001530.1
(32) 08.07.2016	(11) EP3468817	(47) 16.09.2020
(33) Germany	(21) EP17728532.7	(22) 08.07.2016
(51) B60C 19/08	(47) 16.09.2020	(54) DEVICE FOR SUPPORTING A LOAD OF A GANGWAY STRUCTURE BETWEEN TWO CARS, A GANGWAY FOR CONNECTING A FIRST CAR WITH A SECOND CAR AND ALLOWING PASSAGE OF PASSENGERS FROM THE FIRST CAR TO THE SECOND CAR, MULTI-CAR VEHICLE COMPRISING A GANGWAY AND TWO CARS WHICH ARE CONNECTED BY THE GANGWAY AND METHOD TO SUPPORT A LOAD OF A GANGWAY STRUCTURE BETWEEN TWO CARS
(11) EP3481652	(87) EP2017063832	(73) Dellner Couplers AB
(21) EP17824851.4	21.12.2017	(72) HEDH, Fredrik
(47) 16.09.2020	(22) 07.06.2017	SMITH, Graham
(87) US2017040822	(54) SYSTEM FOR MONITORING TYRE PRESSURE AND METHOD FOR MOUNTING A TYRE PRESSURE MONITORING SYSTEM ON A RIM	(51) B60G 3/18
11.01.2018	(73) Huf Baolong Electronics Bretten GmbH	B60K 7/00
(22) 06.07.2017	(72) SEIFERT, Andre	(11) EP3246185
(54) ELECTRICAL CONDUCTIVE GUM STRIP	(31) 102016110805	(21) EP16170448.1
(73) Bridgestone Americas Tire Operations, LLC	(32) 13.06.2016	(47) 16.09.2020
(72) ROBINSON, Timothy F.	(33) Germany	(22) 19.05.2016
ASPER, Robert W.	(51) B60C 29/06	(54) DIRECT DRIVE SYSTEM FOR ELECTRIC CAR
(31) 201662359280 P	F04B 33/00	(73) Lin, Chang Hui
(32) 07.07.2016	F04B 39/10	(72) Lin, Chang Hui
(33) United States of America	(11) EP3489045	(51) B60G 7/00
(51) B60C 19/12	(21) EP17203811.9	B60G 21/055
(11) EP3281809	(47) 16.09.2020	F16C 11/06
(21) EP17174465.9	(22) 27.11.2017	
(47) 16.09.2020	(54) A DEVICE FOR COUPLING A TIRE PUMP TO A VALVE OF A TIRE, A SET OF THE DEVICE AND PUMP NIPPLES AND A METHOD FOR INCREASING THE PRESSURE IN A TIRE	
(22) 06.06.2017	(73) N Verhoeven Holding B.V.	
(54) PNEUMATIC VEHICLE TYRE WITH SELF-SEALING PROPERTIES	(72) VERHOEVEN, Norberth Fransiscus	
(73) Continental Reifen Deutschland GmbH	(51) B60D 1/00	
(72) Tyburski, Andreas		
Karacete, Kartal		
Bergmann, Sascha		
(31) 102016214757		
(32) 09.08.2016		

(11) EP2816245	(72) HAMRODI, Robert	03.11.2016
(21) EP13748834.2	METZLER, Kai	(22) 30.06.2015
(47) 16.09.2020	NAGASHIMA, Tsuyoshi	(54) METHOD OF FUNCTIONING THE
(87) JP2013050695	KUROSE, Kohei	RETRACTABLE HARD TOP SYSTEM
22.08.2013	(31) 2014251964	FOR CONVERTIBLE VEHICLES
(22) 16.01.2013	(32) 12.12.2014	(73) VILCELARU, Daniel
(54) STABILIZER LINK AND	(33) Japan	(72) VILCELARU, Daniel
MANUFACTURING METHOD	(51) B60G 13/08	(31) 201500287
THEREFOR	B60G 17/0165	(32) 27.04.2015
(73) NHK Spring Co., Ltd.	B60G 17/018	(33) Romania
(72) KURODA, Shigeru	B60G 17/019	(51) B60K 1/00
(31) 2012031492	B60G 17/08	B60L 15/20
(32) 16.02.2012	F16F 9/19	H02P 21/04
(33) Japan	F16F 9/46	H02P 29/50
(51) B60G 9/00	F16F 9/512	(11) EP2681064
(11) EP3356165	(11) EP3461661	(21) EP12752924.6
(21) EP16730542.4	(21) EP18197892.5	(47) 16.09.2020
(47) 16.09.2020	(47) 16.09.2020	(87) US2012025992
(87) US2016031802	(22) 01.10.2018	07.09.2012
06.04.2017	(54) MODULAR ELECTRONIC DAMPING	(22) 22.02.2012
(22) 11.05.2016	CONTROL	(54) SYSTEM FOR CONTROLLING AN
(54) TAPERED AXLE/SUSPENSION	(73) Fox Factory, Inc.	ELECTRIC MOTOR AT OR NEAR
SYSTEM BEAM FOR HEAVY-DUTY	(72) TONG, Ivan	STALL CONDITIONS
VEHICLES	(31) 201762566083 P	(73) Deere & Company
(73) Hendrickson USA, L.L.C.	201816144918	(72) WU, Long
(72) LINDSAY, Sean T.	(32) 29.09.2017	SHAW, Robert
TIPTON, Shane A.	27.09.2018	(31) 201161447323 P
VAN METER, Matthew J.	(33) United States of America	201113170212
GERSTENSLAGER, Gary E.	United States of America	(32) 28.02.2011
ROBINSON, Michael P.	(51) B60H 1/00	28.06.2011
(31) 201562234227 P	(11) EP3648998	(33) United States of America
(32) 29.09.2015	(21) EP19701153.9	United States of America
(33) United States of America	(47) 16.09.2020	(51) B60K 1/02
(51) B60G 11/22	(87) EP2019050203	B60K 17/02
B62K 5/08	21.11.2019	B60K 17/08
B62K 5/00	(22) 07.01.2019	B60K 17/16
B62K 5/05	(54) METHOD FOR OPERATING A	B60K 6/36
B62K 5/10	VENTILATION DEVICE, VENTILATION	B60K 6/38
(11) EP3481708	DEVICE, CHARGING DEVICE WITH A	B60K 6/54
(21) EP17746195.1	VENTILATION DEVICE AND MOTOR	(11) EP3546268
(47) 16.09.2020	VEHICLE	(21) EP17894290.0
(87) IB2017054107	(73) Audi AG	(47) 16.09.2020
11.01.2018	(72) THIEL, Holger	(87) CN2017115669
(22) 07.07.2017	(31) 102018207841	02.08.2018
(54) VEHICLE HAVING THREE OR MORE	(32) 18.05.2018	(22) 12.12.2017
TILTING WHEELS WITH REACTIVE	(33) Germany	(54) HORIZONTAL VEHICLE DRIVE
CONSTRAINT SUSPENSION	(51) B60H 1/00	ASSEMBLY
(73) G.P. Di Ghezzi Giuseppe	B60H 1/14	(73) Jing-Jin Electric Technologies Co., Ltd
(72) GHEZZI, Giuseppe	B60H 1/22	(72) YU, Ping
(31) 201600071538	B60L 7/02	WANG, Xueliang
(32) 08.07.2016	(11) EP3196061	LI, Jianwen
(33) Italy	(21) EP14898417.2	(31) 201710059917
(51) B60G 11/27	(47) 16.09.2020	(32) 24.01.2017
B60G 11/28	(87) ES2014070619	(33) China
F16C 17/10	04.02.2016	(51) B60K 11/04
F16C 33/20	(22) 30.07.2014	B62D 25/08
F16F 9/05	(54) PASSENGER VEHICLE	F16F 1/373
F16F 9/43	(73) Creatio Irizar Group Innovation Center	F16F 15/08
F16F 9/54	Aie	(11) EP3546264
(11) EP3231643	(72) HERRANZ LANDA, Gorka	(21) EP18382218.8
(21) EP15867108.1	(51) B60J 1/18	(47) 16.09.2020
(47) 16.09.2020	B60J 7/00	(22) 28.03.2018
(87) JP2015083359	B60J 7/14	(54) RADIATOR SUPPORT
16.06.2016	B60J 7/20	(73) Cikautxo, S. Coop.
(22) 27.11.2015	(11) EP3288788	(72) ALEGRIA AZKAITURRIETA, Maite
(54) VEHICLE THRUST BEARING	(21) EP15753212.8	(51) B60K 15/03
(73) Oiles Corporation	(47) 16.09.2020	B60K 15/035
Oiles Deutschland GmbH	(87) RO2015000016	B60K 15/04

(11) EP3216640	(51) B60K 28/04	(11) EP3554882
(21) EP16159583.0	B60W 30/06	(21) EP17829925.1
(47) 16.09.2020	G06K 9/00	(47) 16.09.2020
(22) 10.03.2016	G08C 17/00	(87) EP2017080212
(54) VALVE DEVICE	(11) EP3593217	21.06.2018
(73) Magna Energy Storage Systems	(21) EP18731786.2	(22) 23.11.2017
GesmbH	(47) 16.09.2020	(54) OPERATING DEVICE HAVING AN
(72) ECIM, Marko	(87) EP2018065377	OPERATING KNOB
EGGENREICH, Eduard	07.02.2019	(73) Audi AG
(51) B60K 15/03	(22) 11.06.2018	(72) HÉLOT, Jacques
B60K 15/067	(54) METHOD TO PERFORM AN	MERTENS, Joris
B60K 15/07	AUTONOMOUS DRIVING PROCESS	REDEKER, Immo
F17C 13/08	OF A VEHICLE	(31) 102016225232
(11) EP3142887	(73) Daimler AG	(32) 16.12.2016
(21) EP15792163.6	(72) POELLYN, Oliver	(33) Germany
(47) 16.09.2020	(31) 102017007215	(51) B60K 35/00
(87) US2015030906	(32) 29.07.2017	B60K 37/06
19.11.2015	(33) Germany	G06F 3/044
(22) 14.05.2015	(51) B60K 35/00	(11) EP3104261
(54) TANKS FORMING RACK	B60K 37/06	(21) EP16173228.4
SUPERSTRUCTURE	B60R 13/02	(47) 16.09.2020
(73) Quantum Fuel Systems LLC	(11) EP3649004	(22) 07.06.2016
(72) AROLD, Mark	(21) EP18734756.2	(54) IN-VEHICLE INPUT DEVICE
HUDAK, Joseph	(47) 16.09.2020	(73) Alps Alpine Co., Ltd.
JAEGER, Christopher	(87) EP2018065411	(72) Bannai, Hiroyuki
KIM, Tae	10.01.2019	Ka, I
OLISCHEFSKI, Derrin	(22) 12.06.2018	Masuda, Atsushi
(31) 201461994008 P	(54) MOTOR VEHICLE COMPRISING AN	Hiratsuka, Kazuhiko
(32) 15.05.2014	EQUIPMENT ELEMENT AND AN	Milli, Marcello
(33) United States of America	OPERATING DEVICE	(31) 2015115486
(51) B60K 17/28	(73) Audi AG	(32) 08.06.2015
B60K 25/06	(72) MÜLLER, Ulrich	(33) Japan
(11) EP3481660	MOOR, Bettina	(51) B60K 35/00
(21) EP17732107.2	(31) 102017211310	B60K 37/06
(47) 16.09.2020	(32) 04.07.2017	H03K 17/96
(87) EP2017065399	(33) Germany	B60Q 3/14
11.01.2018	(51) B60K 35/00	B60Q 3/64
(22) 22.06.2017	B60K 37/06	(11) EP3452327
(54) AUXILIARY POWER TAKE-OFF	G01C 21/36	(21) EP17723047.1
ASSEMBLY	G06F 3/0481	(47) 16.09.2020
(73) ZF Friedrichshafen AG	G06F 3/0482	(87) EP2017060556
(72) TRÜBENBACH, Michael	G06F 3/0488	09.11.2017
PREUSS, Michael	(11) EP3063611	(22) 03.05.2017
KNIESS, Patrick	(21) EP13786647.1	(54) ILLUMINABLE SWITCH
(31) 102016212209	(47) 16.09.2020	ARRANGEMENT FOR A MOTOR
(32) 05.07.2016	(87) EP2013072608	VEHICLE, MOTOR VEHICLE,
(33) Germany	07.05.2015	AND METHOD FOR PRODUCING
(51) B60K 26/02	(22) 29.10.2013	AN ILLUMINABLE SWITCH
B60K 35/00	(54) DEVICE AND METHOD FOR	ARRANGEMENT
B60K 37/02	ADAPTING THE CONTENT OF A	(73) Audi AG
B60Q 1/14	STATUS BAR	(72) HUPFER, Philip
B60W 30/14	(73) Volkswagen Aktiengesellschaft	(31) 102016005619
G05G 5/04	(72) WILD, Holger	(32) 06.05.2016
B60W 50/08	CZELNIK, Mark Peter	(33) Germany
B60W 50/14	ALTHOFF, Frank	(51) B60K 35/00
(11) EP3475115	(51) B60K 35/00	G01C 21/36
(21) EP17745449.3	B60K 37/06	G02B 7/00
(47) 16.09.2020	G05G 1/08	G02B 27/01
(87) GB2017051780	G05G 1/10	(11) EP3248824
28.12.2017	G06F 1/16	(21) EP17171589.9
(22) 19.06.2017	G06F 3/01	(47) 16.09.2020
(54) VIRTUAL FOOTREST APPARATUS	H01H 9/18	(22) 17.05.2017
(73) Bentley Motors Limited	H01H 19/00	(54) HEAD-UP DISPLAY
(72) O MEACHAIR, Deaglan	H01H 19/02	(73) Ricoh Company, Ltd.
ELLIOTT, Gary Stephen	G06F 3/0362	(72) YAMAGUCHI, Hiroshi
(31) 201611014	G06F 3/0484	SAISHO, Kenichiroh
(32) 24.06.2016	G06F 3/0487	SUZUKI, Yuuki
(33) United Kingdom	G06F 3/0488	(31) 2016101188

2017079383	B60L 53/54	B60W 20/00
(32) 20.05.2016	B60L 53/55	(11) EP3275751
13.04.2017	B60L 53/65	(21) EP16768257.4
(33) Japan	B60L 58/12	(47) 16.09.2020
Japan	B60L 58/40	(87) JP2016055000
(51) B60K 37/00	(11) EP2564486	29.09.2016
B60R 11/02	(21) EP11777906.6	(22) 22.02.2016
B60R 13/02	(47) 16.09.2020	(54) VEHICLE CONTROL DEVICE AND
(11) EP3511206	(87) US2011033915	VEHICLE CONTROL METHOD
(21) EP19152190.5	10.11.2011	(73) JATCO Ltd
(47) 16.09.2020	(22) 26.04.2011	(72) IWASA, Hiroki
(22) 16.01.2019	(54) SYSTEMS AND METHODS FOR	MIYAIISHI, Hironori
(54) CUSTOMIZATION OF AUTOMOTIVE	AUTOMATIC CONNECTION AND	IZUMI, Tetsuya
INTERIORS VIA AUTOMOTIVE USER	CHARGING OF AN ELECTRIC	(31) 2015059515
INTERFACES	VEHICLE AT A CHARGING STATION	(32) 23.03.2015
(73) FCA Italy S.p.A.	(73) Proterra Inc.	(33) Japan
(72) DELLA VECCHIA, Silvio	(72) SARKAR, Reuben	(51) B60L 15/02
MARPEPA, Taulant	FINNERN, Michael, Alan	G01D 3/036
NUARA, Vincenzo	WALKER, Michael	G01D 5/244
(31) 201800001117	(31) 328152 P	G01L 3/10
(32) 16.01.2018	(32) 26.04.2010	G05B 19/404
(33) Italy	(33) United States of America	H02P 21/00
(51) B60L 1/00	(51) B60L 5/22	B60L 3/00
B60L 3/04	B60L 5/28	(11) EP3486107
B60W 10/08	(11) EP3582991	(21) EP18187467.8
B60W 10/26	(21) EP18706812.7	(47) 16.09.2020
F02D 41/22	(47) 16.09.2020	(22) 06.08.2018
F02N 11/00	(87) FR2018050328	(54) RESOLVER OFFSET CORRECTION
F02N 11/04	23.08.2018	DEVICE AND METHOD OF ECO-
F02N 11/08	(22) 12.02.2018	FRIENDLY VEHICLE
F02N 11/10	(54) PANTOGRAPH AND RAIL VEHICLE	(73) Hyundai Motor Company
G01R 31/00	COMPRISING SUCH A PANTOGRAPH	Kia Motors Corporation
G01R 31/327	(73) Faiveley Transport Tours	(72) RHO, Jeong Won
H02J 7/14	(72) CAFFIER, Benjamin	KIM, Young Un
B60K 6/485	(31) 1751205	LIM, Jae Sang
B60W 30/18	(32) 15.02.2017	(31) 20170155239
B60W 20/50	(33) France	(32) 21.11.2017
B60L 3/00	(51) B60L 7/10	(33) Korea (Republic)
B60L 50/10	B60L 15/32	(51) B60M 3/06
B60L 58/10	B60L 15/40	(11) EP2915693
B60L 58/21	B60M 3/06	(21) EP13850628.2
(11) EP2878506	B61C 17/06	(47) 16.09.2020
(21) EP13823895.1	B61L 3/00	(87) JP2013004350
(47) 16.09.2020	B61L 27/00	08.05.2014
(87) JP2013066114	B61L 27/04	(22) 17.07.2013
30.01.2014	B60L 55/00	(54) POWER MANAGEMENT DEVICE AND
(22) 11.06.2013	(11) EP3103676	POWER MANAGEMENT SYSTEM
(54) VEHICLE CONTROL DEVICE AND	(21) EP14881944.4	(73) Kabushiki Kaisha Toshiba
VEHICLE CONTROL METHOD	(47) 16.09.2020	(72) HANASHIMA, Yumi
(73) Nissan Motor Company, Limited	(87) JP2014000653	HARA, Hiroki
(72) YAMAZAKI, Takehiko	13.08.2015	MIYOSHI, Miyako
(31) 2012167009	(22) 07.02.2014	KANEKO, Hiroyuki
(32) 27.07.2012	(54) TRAIN ENERGY CONTROL SYSTEM,	(31) 2012240758
(33) Japan	GROUND DEVICE, AND ON-VEHICLE	2012261363
(51) B60L 3/04	DEVICE	(32) 31.10.2012
B60L 5/00	(73) Mitsubishi Electric Corporation	29.11.2012
B60L 5/36	(72) TAKIGAWA, Yoshihito	(33) Japan
B60L 5/42	KOMURA, Tetsuo	Japan
B60L 15/10	HOSHINO, Kentaro	(51) B60N 2/14
B60L 15/20	TAKEYAMA, Masayuki	B61D 33/00
B60L 53/10	YAMASHITA, Yoshinori	(11) EP3398805
B60L 53/14	(51) B60L 7/14	(21) EP18170834.8
B60L 53/30	F16H 59/22	(47) 16.09.2020
B60L 53/35	F16H 61/00	(22) 04.05.2018
B60L 53/36	F16H 61/662	(54) SECURE DEVICE FOR ROTATING A
B60L 53/51	B60K 6/48	SEAT, IN PARTICULAR FOR A RAILWAY
B60L 53/52	B60K 6/543	VEHICLE
B60L 53/53	B60W 10/10	(73) ALSTOM Transport Technologies

(72) PAILLER, Christophe LUGOL, Jean-Louis FEBVRE, Julien	DUPONT-MADINIER, Edouard HERBAULT, Patrick	(73) Universität Kassel
(31) 1753943	(31) 1500273	(72) Hensel, Oliver
(32) 04.05.2017	1500274	Siebold, Hubertus
(33) France	1501824	Wilczek, Ulrike
(51) B60N 2/16	(32) 12.02.2015	Kaufmann, Hans-Hermann
B60N 2/50	12.02.2015	Kälberloh, Roman
(11) EP3587173	03.09.2015	(31) 102017120785
(21) EP19180624.9	(33) France	(32) 08.09.2017
(47) 16.09.2020	France	(33) Germany
(22) 17.06.2019	France	(51) B60Q 1/00
(54) ADJUSTABLE HEIGHT RESTRICTOR	(51) B60P 1/28	B60Q 1/18
(73) Grammer AG	(11) EP3401158	F21S 41/36
(72) Fillep, Johannes	(21) EP18169668.3	F21S 43/14
Schanderl, Florian	(47) 16.09.2020	F21S 43/31
(31) 102018115607	(22) 26.04.2018	(11) EP3044499
(32) 28.06.2018	(54) A DUMPER VEHICLE	(21) EP14748155.0
(33) Germany	(73) J.C. Bamford Excavators Limited	(47) 16.09.2020
(51) B60N 2/22	(72) RATCLIFFE, Simon	(87) EP2014066368
B64D 11/06	STREAT, Christopher	12.02.2015
(11) EP3371000	(31) 201706859	(22) 30.07.2014
(21) EP16732085.2	201711991	(54) UNIVERSAL DAYTIME RUNNING LAMP
(47) 16.09.2020	(32) 28.04.2017	FOR AUTOMOTIVE VEHICLES
(87) US2016036243	25.07.2017	(73) Lumileds Holding B.V.
11.05.2017	(33) United Kingdom	(72) ZHENG, Hua Bing
(22) 07.06.2016	United Kingdom	KRAUS, Albrecht Johannes
(54) PULL ACTUATOR RELEASE FOR	(51) B60P 3/20	EPMEIER, Matthias Daniel
RECLINING SEATS	F25D 11/00	(31) 13179726
(73) Safran Seats USA LLC	F25D 13/02	(32) 08.08.2013
(72) DOES, Sebastiaan	F25D 19/00	(33) European Patent Office (EPO)
(31) 201562250062 P	F25D 23/02	(51) B60Q 1/00
(32) 03.11.2015	F25D 23/06	F21S 43/241
(33) United States of America	F25D 25/00	F21S 43/251
(51) B60N 2/26	(11) EP3234486	F21S 43/27
B60N 2/28	(21) EP14824454.4	B62J 6/02
B60R 22/10	(47) 16.09.2020	(11) EP3277563
(11) EP2987678	(87) EP2014078427	(21) EP15887932.0
(21) EP14730057.8	23.06.2016	(47) 16.09.2020
(47) 16.09.2020	(22) 18.12.2014	(87) TH2015000021
(87) JP2014001804	(54) METHOD FOR RETROFITTING	06.10.2016
23.10.2014	A REFRIGERATED CONTAINER	(22) 03.04.2015
(22) 27.03.2014	WITH LOCKABLE REFRIGERATED	(54) LIGHTING DEVICE STRUCTURE
(54) CHILD RESTRAINT DEVICE	COMPARTMENTS AND	INCLUDING AUXILIARY ILLUMINATION
(73) Nihon Ikuji Co., Ltd.	REFRIGERATED CONTAINER	(73) Honda Motor Co., Ltd.
(72) ISHISAKO, Ritsusou	COMPRISING RETROFITTED	(72) SRIVIRAT, Kunakorn
(31) 2013086513	LOCKABLE REFRIGERATED	SARAVICHAI, Rungroj
(32) 17.04.2013	COMPARTMENTS	JULRAT, Panita
(33) Japan	(73) Carrier Corporation	(51) B60Q 1/00
(51) B60N 2/28	(72) HEMSCHMEIER, Stefan	F21Y 113/20
B60R 21/015	(51) B60P 7/08	F21Y 115/10
B60R 22/10	(11) EP3257705	F21S 41/14
B60R 22/12	(21) EP16175099.7	F21S 41/143
B60R 22/48	(47) 16.09.2020	F21S 41/162
G01D 5/16	(22) 17.06.2016	F21S 41/19
G01L 1/00	(54) CEILING, WALL OR FLOOR ELEMENT	F21S 43/14
(11) EP3256350	AND USE OF SUCH AN ELEMENT	F21S 43/19
(21) EP16706990.5	(73) Schmitz Cargobull AG	F21S 43/237
(47) 16.09.2020	(72) Dahlhaus, Andreas	F21S 43/243
(87) EP2016052847	Warnsing, Daniel	F21S 43/247
18.08.2016	Kuhn, Marco	F21S 45/48
(22) 10.02.2016	(51) B60P 7/08	F21W 105/00
(54) FUNCTIONING STATE SENSOR AND	(11) EP3453568	(11) EP3165812
CONTROL DEVICE OF A SAFETY	(21) EP18190521.7	(21) EP16196783.1
SEAT BELT	(47) 16.09.2020	(47) 16.09.2020
(73) OSF	(22) 23.08.2018	(22) 02.11.2016
(72) BAILLIARD, Laurent	(54) TRANSPORT VEHICLE, METHOD FOR	(54) ATTACHABLE VEHICLE ACCENT LAMP
DEVELAY, Louis	OPERATING SAME AND MONITORING	(73) Osram Sylvania Inc.
	DEVICE FOR SAME	(72) LESSARD, Jason
		(31) 201514931389

(32) 03.11.2015	(33) Korea (Republic)	(33) Korea (Republic)
(33) United States of America	(51) B60Q 1/08	(51) B60R 1/00
(51) B60Q 1/00	F21S 41/153	(11) EP3533667
H01L 25/075	F21S 41/663	(21) EP18159439.1
H01L 33/50	F21S 41/675	(47) 16.09.2020
(11) EP3559990	(11) EP2772682	(22) 01.03.2018
(21) EP17822606.4	(21) EP14156777.6	(54) APPARATUS AND METHOD FOR
(47) 16.09.2020	(47) 16.09.2020	MONITORING A VEHICLE CAMERA
(87) EP2017082381	(22) 26.02.2014	SYSTEM
28.06.2018	(54) Vehicle lamp and vehicle lighting system	(73) KNORR-BREMSE Systeme für
(22) 12.12.2017	(73) Koito Manufacturing Co., Ltd.	Nutzfahrzeuge GmbH
(54) ALIGNED ARRANGEMENT OF LEDS	(72) KOMATSU, Motohiro	(72) Balogh, Levente
(73) Lumileds Holding B.V.	(31) 2013037421	Nemeth, Huba
(72) DERIX, Robert	(32) 27.02.2013	Tihanyi, Viktor
SPINGER, Benno	(33) Japan	Szöllösi, Ádám
(31) 16205802	(51) B60Q 1/26	Opóczy, Csaba
(32) 21.12.2016	F21S 43/235	(51) B60R 1/00
(33) European Patent Office (EPO)	(11) EP3342642	(11) EP3539826
(51) B60Q 1/08	(21) EP17208777.7	(21) EP19160670.6
B60Q 1/12	(47) 16.09.2020	(47) 16.09.2020
F21S 41/143	(22) 20.12.2017	(22) 05.03.2019
F21S 41/151	(54) CLADDING PART FOR A MOTOR	(54) DRIVER ASSISTANCE SYSTEM AND
F21S 41/16	VEHICLE	METHOD FOR A MOTOR VEHICLE
F21S 41/63	(73) REHAU AG + Co	FOR DISPLAYING AUGMENTED
(11) EP3028896	(72) Müller, Claus	REALITY DISPLAYS
(21) EP15003338.9	Löffler, Andreas	(73) AUDI AG
(47) 16.09.2020	Leister, Christian	(72) Lübcke, Michael
(22) 21.11.2015	(31) 202016107396 U	(31) 102018203910
(54) LIGHTING DEVICE FOR A MOTOR	(32) 27.12.2016	(32) 14.03.2018
VEHICLE, MOTOR VEHICLE WITH AN	(33) Germany	(33) Germany
ILLUMINATION DEVICE AND METHOD	(51) B60Q 1/30	(51) B60R 1/00
FOR OPERATING A LIGHTING DEVICE	F21S 43/14	B60R 1/02
(73) AUDI AG	F21S 43/237	(11) EP3168083
(72) Kaup, Markus	F21S 43/249	(21) EP16198485.1
Hamm, Michael	F21S 43/50	(47) 16.09.2020
(31) 102014017978	F21S 45/50	(22) 11.11.2016
(32) 04.12.2014	F21W 103/35	(54) SYSTEM AND METHOD FOR
(33) Germany	(11) EP3339721	CAPTURING A REAR PART OF A
(51) B60Q 1/08	(21) EP17170874.6	VEHICLE
B60Q 1/14	(47) 16.09.2020	(73) MEKRA LANG GmbH & Co. KG
(11) EP3475121	(22) 12.05.2017	(72) Lang, Werner
(21) EP17816299.6	(54) LIGHT-GUIDED HIGH BRAKE LAMP	Fellner, Johann
(47) 16.09.2020	FOR VEHICLE WITH BIDIRECTIONAL	(31) 102015014799
(87) US2017039010	LIGHT	(32) 13.11.2015
28.12.2017	(73) Magna Mirrors (Taicang) Automotive	(33) Germany
(22) 23.06.2017	Technology Co., Ltd.	(51) B60R 1/00
(54) IMAGING SYSTEM WITH ADAPTIVE	(72) Mi, Zhenxing	B60R 1/04
HIGH BEAM CONTROL	WU, Anmin	B60R 1/12
(73) Gentex Corporation	(31) 201621406057 U	H04N 5/232
(72) LIKEN, Peter A.	(32) 21.12.2016	(11) EP3240707
SMEYERS, Marc A.	(33) China	(21) EP15876085.0
(31) 201662354318 P	(51) B60Q 1/44	(47) 16.09.2020
(32) 24.06.2016	B60Q 11/00	(87) US2015067610
(33) United States of America	B60T 7/04	07.07.2016
(51) B60Q 1/08	B60T 17/22	(22) 28.12.2015
B60Q 1/14	(11) EP3100911	(54) VEHICLE VISION SYSTEM HAVING
H05B 33/08	(21) EP15759164.5	ADJUSTABLE DISPLAYED FIELD OF
(11) EP2712764	(47) 16.09.2020	VIEW
(21) EP13170185.6	(87) KR2015001895	(73) Gentex Corporation
(47) 16.09.2020	11.09.2015	(72) BOEHM, Neil J.
(22) 31.05.2013	(22) 26.02.2015	(31) 201462097315 P
(54) Headlight apparatus and method of	(54) BRAKE LIGHT SENSOR MODULE	201514978635
controlling the same	(73) erae AMS Co., Ltd.	(32) 29.12.2014
(73) LG Innotek Co., Ltd.	(72) ROH, Chul-Kyun	22.12.2015
(72) Kim, Jong Woon	KIM, Sang-Bo	(33) United States of America
(31) 20120108154	HAN, Dong-Han	United States of America
(32) 27.09.2012	(31) 20140024921	(51) B60R 1/00
	(32) 03.03.2014	

H04N 7/18	B60R 21/04	09.12.2014
(11) EP3580923	(11) EP3566909	21.04.2015
(21) EP17835926.1	(21) EP19170760.3	(33) United States of America
(47) 16.09.2020	(47) 16.09.2020	United States of America
(87) DE2017200133	(22) 24.04.2019	United States of America
16.08.2018	(54) DOOR TRIM	United States of America
(22) 11.12.2017	(73) Toyota Boshoku Kabushiki Kaisha	(51) B60R 19/18
(54) CAMERA SYSTEM FOR A CAR	TOYOTA JIDOSHA KABUSHIKI KAISHA	B60R 19/34
(73) Conti Temic Microelectronic GmbH	(72) MASUDA, Tomonari	(11) EP3224091
(72) FECHNER, Thomas	ESHIMA, Mitsuaki	(21) EP15813106.0
BREUER, Karsten	(31) 2018092255	(47) 16.09.2020
KRÖKEL, Dieter	(32) 11.05.2018	(87) IB2015059130
(31) 102017202155	(33) Japan	02.06.2016
(32) 10.02.2017	(51) B60R 16/02	(22) 25.11.2015
(33) Germany	H01B 7/00	(54) MODULAR BUMPER BEAM
(51) B60R 1/06	H01B 7/08	(73) SABIC Global Technologies B.V.
(11) EP3554891	(11) EP3172740	(72) BOBBA, Somasekhar
(21) EP16834242.6	(21) EP15722949.3	NAGWANSHI, Dhanendra Kumar
(47) 16.09.2020	(47) 16.09.2020	PADHEE, Srikant Sekhar
(87) IB2016001971	(87) EP2015059267	(31) 201462084005 P
21.06.2018	04.02.2016	(32) 25.11.2014
(22) 14.12.2016	(22) 29.04.2015	(33) United States of America
(54) MIRROR ASSEMBLY FOR VEHICLES	(54) ELECTRICAL RIBBON CONDUCTOR	(51) B60R 21/0132
(73) Volvo Truck Corporation	FOR MOTOR VEHICLES	(11) EP3543073
(72) BALLARIN, Paolo	(73) Auto-Kabel Management GmbH	(21) EP19164043.2
(51) B60R 7/04	(72) LAUSCH, Peter	(47) 16.09.2020
B60N 2/75	MARTENS, Sebastian	(22) 20.03.2019
(11) EP3309006	(31) 102014011180	(54) SEATBELT CONTROL DEVICE
(21) EP17161185.8	(32) 31.07.2014	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(47) 16.09.2020	(33) Germany	(72) FUJINAMI, Takashi
(22) 15.03.2017	(51) B60R 16/037	MASE, Yusuke
(54) SLIDING ARMREST FOR VEHICLE	B60W 50/00	(31) 2018056229
(73) SEOYON E-HWA CO., LTD.	(11) EP3645344	(32) 23.03.2018
(72) CHOI, Bong Joo	(21) EP19722827.3	(33) Japan
KANG, Sang Wook	(47) 16.09.2020	(51) B60R 21/2165
(31) 20160132187	(87) EP2019060997	B60R 13/02
(32) 12.10.2016	21.11.2019	(11) EP3517372
(33) Korea (Republic)	(22) 30.04.2019	(21) EP19153400.7
(51) B60R 7/08	(54) METHOD FOR OPERATING A MOTOR	(47) 16.09.2020
B60R 11/00	VEHICLE SYSTEM ON THE BASIS OF	(22) 23.01.2019
B60R 11/02	A USER-SPECIFIC USER SETTING,	(54) VEHICLE TRIM PANEL WITH TEAR-
(11) EP3436309	STORAGE MEDIUM, ASSIGNMENT	OPEN AIRBAG DEPLOYMENT REGION
(21) EP16897319.6	DEVICE, MOTOR VEHICLE AND	(73) Ford Global Technologies, LLC
(47) 16.09.2020	SENSOR DEVICE FOR OPERATING	(72) SWINIARKSI, Michal Jan
(87) US2016025149	ON THE INTERNET	SCOTT, Tim
05.10.2017	(73) Audi AG	(31) 201801155
(22) 31.03.2016	(72) SCHÖN, Torsten	(32) 24.01.2018
(54) MODULAR RAIL AND ACCESSORY	(31) 102018207379	(33) United Kingdom
SYSTEM	(32) 14.05.2018	(51) B60R 21/217
(73) Volvo Truck Corporation	(33) Germany	B60R 21/203
(72) DABEL, Jason	(51) B60R 19/02	(11) EP3483011
LEE, Yuyol	B60R 19/18	(21) EP18195612.9
BALICKI, Brian	E04C 3/04	(47) 16.09.2020
HORN, Geoffrey	(11) EP3533670	(22) 09.10.2015
(51) B60R 11/00	(21) EP18211522.0	(54) DEVICE FOR FIXING OSCILLATABLE
E01C 19/48	(47) 16.09.2020	A GAS GENERATOR AS A VIBRATION
(11) EP3578716	(22) 27.04.2015	DAMPER MASS WITHIN AN AIRBAG
(21) EP18176294.9	(54) MULTI-STRIP BEAM	MODULE
(47) 16.09.2020	(73) Shape Corp.	(73) ZF Automotive Safety Germany GmbH
(22) 06.06.2018	(72) MATECKI, Joseph R.	(72) Von Roden, Constantin
(54) REMOTE CONTROL HOLDER FOR A	GATTI, Daniel	Eck, Gregor
PAVER	MALKOWSKI, Brian	Oechel, Holger
(73) Joseph Vögele AG	(31) 201461985029 P	(31) 202014008432 U
(72) ERDTMANN, Bernhard	201462024751 P	(32) 23.10.2014
SEITHER, Thomas	201462089334 P	(33) Germany
PONTIUS, Johannes	201514692327	(51) B60R 21/231
(51) B60R 13/02	(32) 28.04.2014	B60R 21/2338
	15.07.2014	

(11) EP3470273	(51) B60S 1/34	(22) 07.08.2017
(21) EP18197545.9	B60S 1/38	(54) DEVICE FOR CLEANING AN OPTICAL SENSOR OF AN OPTICAL DETECTION SYSTEM FOR A MOTOR VEHICLE
(47) 16.09.2020	(11) EP3172098	(73) Valeo Systèmes d'Essuyage
(22) 28.09.2018	(21) EP15738086.6	(72) TREBOUET, Marcel
(54) SELF-CONFORMING REARSEAT AIR BAG	(47) 16.09.2020	GIRAUD, Frédéric
(73) ZF Passive Safety Systems US Inc.	(87) EP2015066139	(31) 1659177
(72) Fischer, Kurt F.	28.01.2016	(32) 28.09.2016
Turnbull, Roy	(22) 15.07.2015	(33) France
Gould, Douglas M.	(54) STRUCTURAL VARIANTS FOR FIN RAY WIPERS	(51) B60T 7/04
STEGMEIER, Michael	(73) Robert Bosch GmbH	B60T 17/22
WERNER, Christof	(72) WEILER, Michael	(11) EP2712779
SCHMID, Simon	BREUER, Bodo	(21) EP12006806.9
(31) 201715728573	DEAK, Peter	(47) 16.09.2020
(32) 10.10.2017	HACKL, Viktor	(22) 28.09.2012
(33) United States of America	(31) 102014214572	(54) Method for operating a self propelled agricultural machine
(51) B60R 21/232	(32) 24.07.2014	(73) CLAAS Tractor S.A.S.
B60R 13/02	(33) Germany	(72) Gomez, Christophe
(11) EP3441265	(51) B60S 1/38	(51) B60T 8/34
(21) EP18180533.4	(11) EP3042810	(11) EP3445623
(47) 16.09.2020	(21) EP15200922.1	(21) EP17707234.5
(22) 28.06.2018	(47) 16.09.2020	(47) 16.09.2020
(54) CURTAIN AIRBAG DEVICE MOUNTING STRUCTURE AND CURTAIN AIRBAG DEPLOYMENT METHOD	(22) 17.12.2015	(87) EP2017054102
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(54) WINDSCREEN WIPER	26.10.2017
(72) KOMURA, Takamichi	(73) Valeo Systèmes d'Essuyage	(22) 23.02.2017
FUKAWATASE, Osamu	(72) THEBAULT, Denis	(54) HYDRAULIC BLOCK AND MANUFACTURING METHOD FOR A HYDRAULIC BLOCK HAVING AT LEAST ONE NON-RETURN VALVE
(31) 2017152636	(31) 1550204	(73) Robert Bosch GmbH
(32) 07.08.2017	(32) 12.01.2015	(72) GUGGENMOS, Harald
(33) Japan	(33) France	WEH, Andreas
(51) B60R 21/237	(51) B60S 1/38	(31) 102016206785
(11) EP2847046	(11) EP3366531	(32) 21.04.2016
(21) EP13727514.5	(21) EP18020077.6	(33) Germany
(47) 16.09.2020	(47) 16.09.2020	(51) B60T 8/40
(87) EP2013001343	(22) 22.02.2018	F16L 55/045
14.11.2013	(54) ADAPTABLE END CAP FOR A WIPER BLADE	F16L 55/055
(22) 07.05.2013	(73) Valeo Systèmes d'Essuyage	(11) EP3145768
(54) AIRBAGPACKAGE FOR A VEHICLE SAFETY SYSTEM, SAFETY SYTEM AND METHOD OF HIS FABRICATION	(72) Houssat, M. Stéphane	(21) EP15718448.2
(73) ZF Automotive Safety Germany GmbH	Mouleyre, M. Guillaume	(47) 16.09.2020
(72) KUNKEL, Michael	Gaucher, M. Vincent	(87) EP2015056087
FREUDENBERGER, Klaus	(31) 1751404	26.11.2015
RUMPF, Dieter	(32) 22.02.2017	(22) 23.03.2015
SAPOUNTZIS, Stefan	(33) France	(54) DAMPENING DEVICE
HEPP, Stefan	(51) B60S 1/38	(73) Robert Bosch GmbH
BACHMANN, Stefan	B60S 1/52	(72) NORBERG, Jens
BACHMANN, Stefan	(11) EP3166823	SHELLNEGGER, Patrick
HEROLD, Timm	(21) EP15724300.7	LECHLER, Andreas
HIRZMANN, Guido	(47) 16.09.2020	(31) 102014209682
(31) 102012008809	(87) EP2015061397	(32) 21.05.2014
(32) 07.05.2012	14.01.2016	(33) Germany
(33) Germany	(22) 22.05.2015	(51) B60T 11/16
(51) B60R 21/34	(54) MECHANICAL CONNECTOR FOR A VEHICLE WINDSHIELD WIPER BLADE	(11) EP3551514
B60R 19/56	(73) Valeo Systèmes d'Essuyage	(21) EP17791006.4
(11) EP3452337	(72) CAILLOT, Géraud	(47) 16.09.2020
(21) EP17733005.7	IZABEL, Vincent	(87) EP2017076420
(47) 16.09.2020	JARASSON, Jean-Michel	14.06.2018
(87) IB2017052608	(31) 1456746	(22) 17.10.2017
09.11.2017	(32) 11.07.2014	(54) MASTER CYLINDER WITH POSITION SENSING ELEMENT AND COUPLING
(22) 04.05.2017	(33) France	(73) Lucas Automotive GmbH
(54) ANTI-RUN OVER SAFETY DEVICE FOR A VEHICLE	(51) B60S 1/52	(72) GEIDER, Michael
(73) Iveco S.p.A.	B60S 1/56	(31) 102016014483
(72) ROCCATO, Maurizio	G02B 27/00	(32) 06.12.2016
(31) UA20163139	(11) EP3519263	
(32) 04.05.2016	(21) EP17752348.7	
(33) Italy	(47) 16.09.2020	
	(87) EP2017069963	
	05.04.2018	

(33) Germany	(54) WORKING MACHINE	01.12.2011
(51) B60T 11/26	(73) Hitachi Construction Machinery Co., Ltd.	(22) 20.04.2011
B60T 17/04	(72) HOSHINO, Masatoshi	(54) VIBRATION-DAMPING CONTROL
B60T 17/06	ISHIHARA, Shinji	DEVICE FOR VEHICLE
F17C 13/08	ITOGA, Kentarou	(73) Nissan Motor Co., Ltd
(11) EP3415387	(31) 2015115024	(72) KOBAYASHI, Yosuke
(21) EP18178116.2	(32) 05.06.2015	KIMURA, Takeshi
(47) 16.09.2020	(33) Japan	SHIOZAWA, Yuuki
(22) 15.06.2018	(51) B60W 10/06	OHTA, Mitsunori
(54) SYSTEM FOR STABLE CONNECTION	B60W 10/08	SASAKI, Hiroki
OF A RESERVOIR FOR COMPRESSED	B60W 30/188	ITOH, Akihiro
AIR OR HYDRAULIC OIL TO A	B60W 20/11	YOSHIZAWA, Masahiko
VEHICLE FRAME	(11) EP3138750	(31) 2010121322
(73) IVECO MAGIRUS AG	(21) EP15200573.2	(32) 27.05.2010
(72) LEOKA, Georg	(47) 16.09.2020	(33) Japan
BAUR, Franz	(22) 16.12.2015	(51) B60W 50/00
(31) 201700066784	(54) ENGINE OPERATION CONTROL	B60W 40/09
(32) 15.06.2017	SYSTEM AND METHOD OF ECO-	(11) EP3498559
(33) Italy	FRIENDLY VEHICLE	(21) EP18210037.0
(51) B60T 15/02	(73) Hyundai Motor Company	(47) 16.09.2020
B60T 15/18	Kia Motors Corporation	(22) 04.12.2018
(11) EP3556620	(72) CHOI, Yong Kak	(54) METHOD FOR RECOGNIZING THE
(21) EP19166192.5	LEE, Chun Hyuk	DRIVING STYLE OF A DRIVER
(47) 16.09.2020	PARK, Tae Wook	OF A LAND VEHICLE, AND
(22) 29.03.2019	(31) 20150124489	CORRESPONDING APPARATUS
(54) CONTROL VALVE FOR A	(32) 02.09.2015	(73) Marelli Europe S.p.A.
COMPRESSED AIR SYSTEM	(33) Korea (Republic)	(72) ARMENI, Saverio
(73) WABCO Europe BVBA	(51) B60W 10/30	NESCI, Walter
(72) HÖLSCHER, Reiner	B60K 6/445	D'AMATO, Antonio
MARTINI, Gerhard	B60W 20/00	PIANESE, Cesare
RIEDIGER-JANISCH, Karl-Heinz	B60W 20/14	ARSIE, Ivan
ADAMSKI, Krzysztof	(11) EP2789516	(31) 201700144561
(31) 102018108975	(21) EP11877041.1	(32) 14.12.2017
(32) 16.04.2018	(47) 16.09.2020	(33) Italy
(33) Germany	(87) JP2011078589	(51) B60W 50/00
(51) B60T 17/22	13.06.2013	B60W 40/107
(11) EP3501927	(22) 09.12.2011	B60W 20/00
(21) EP18214650.6	(54) VEHICLE CONTROL DEVICE	B60W 30/182
(47) 16.09.2020	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(11) EP3227154
(22) 20.12.2018	(72) HASHIMOTO, Toshiya	(21) EP15805608.5
(54) SYSTEMS AND METHODS FOR	YAGUCHI, Hideaki	(47) 16.09.2020
MONITORING A HEALTH STATUS OF A	(51) B60W 30/10	(87) FR2015053162
SERVO VALVE	B60W 30/14	09.06.2016
(73) Goodrich Corporation	B60W 40/02	(22) 20.11.2015
(72) KORDIK, Michael	B62D 15/02	(54) METHOD FOR CONTROLLING STATE
GEORGIN, Marc	B60W 30/12	CHANGES OF A DRIVETRAIN
(31) 201715852800	(11) EP2982563	(73) Renault s.a.s
(32) 22.12.2017	(21) EP14778604.0	(72) LE-CAM, Florent
(33) United States of America	(47) 16.09.2020	ROUDEAU, Frédéric
(51) B60W 10/06	(87) KR2014002257	LEFEVRE, Aurélien
B60W 10/08	09.10.2014	(31) 1461765
B60W 10/26	(22) 18.03.2014	(32) 02.12.2014
E02F 3/32	(54) AUTOMATIC DRIVING SYSTEM FOR	(33) France
E02F 9/20	VEHICLE	(51) B60W 50/00
E02F 9/22	(73) Park, Su-Min	G01M 17/00
F02D 29/00	Park, Young-Il	G06F 11/07
F02D 29/06	(72) PARK, Su-Min	B60W 50/02
F02D 41/14	(31) 20130035003	(11) EP2699883
F02D 45/00	(32) 01.04.2013	(21) EP11817183.4
B60K 6/485	(33) Korea (Republic)	(47) 16.09.2020
B60W 20/13	(51) B60W 30/20	(87) US2011048924
B60L 50/15	B60W 50/00	16.02.2012
(11) EP3305617	B60W 50/06	(22) 24.08.2011
(21) EP16803375.1	F02D 29/02	(54) METHOD AND SYSTEM FOR
(47) 16.09.2020	(11) EP2578850	PERFORMING DIAGNOSTICS OR
(87) JP2016066167	(21) EP11786439.7	SOFTWARE MAINTENANCE FOR A
08.12.2016	(47) 16.09.2020	VEHICLE
(22) 01.06.2016	(87) JP2011059706	(73) Deere & Company

(72) JOHNSON, Michael, R. COLAVITA, Daniel PULLEN, Tammy, R.	(33) Germany	B62D 29/00
(31) 879162 373493 P	(51) B61L 3/00	(11) EP3219589
(32) 10.09.2010 13.08.2010	B61L 15/00	(21) EP15872647.1
(33) United States of America United States of America	(11) EP3186129	(47) 16.09.2020
(51) B61C 15/10	(21) EP15790053.1	(87) JP2015083816
(11) EP3055180	(47) 16.09.2020	30.06.2016
(21) EP14783815.5	(87) EP2015074505	(22) 01.12.2015
(47) 16.09.2020	06.05.2016	(54) STRUCTURAL MEMBER
(87) EP2014071716	(22) 22.10.2015	(73) Nippon Steel Corporation
16.04.2015	(54) METHOD FOR OPERATING A VEHICLE	(72) OTSUKA, Kenichiro
(22) 10.10.2014	(73) Siemens Mobility GmbH	NAKAZAWA, Yoshiaki
(54) OUTPUT DEVICE FOR FRICTION MODIFIERS FOR A RAIL VEHICLE	(72) FRENZKE, Thorsten	NISHIMURA, Ryuichi
(73) KNORR-BREMSE Systeme für Schienenfahrzeuge GmbH	GIEBEL, Sascha	ITO, Yasuhiro
(72) KRISMANIC, Georg	(31) 102014221964	(31) 2014259479
(31) 102013016881	(32) 28.10.2014	(32) 22.12.2014
(32) 11.10.2013	(33) Germany	(33) Japan
(33) Germany	(51) B61L 99/00	(51) B62D 33/033
(51) B61C 15/12	H02J 13/00	E05D 7/10
(11) EP2930083	H04L 29/08	E05F 15/614
(21) EP15158162.6	(11) EP3591803	E05F 5/00
(47) 16.09.2020	(21) EP18911320.2	(11) EP2928762
(22) 09.03.2015	(47) 16.09.2020	(21) EP13860066.3
(54) Method and system for monitoring the rail-wheel adhesion of a rail vehicle and rail vehicle implementing such a method/ system	(87) CN2018089469	(47) 16.09.2020
(73) Société Nationale SNCF	24.10.2019	(87) CA2013050937
(72) Goeres, David	(22) 01.06.2018	12.06.2014
(31) 1453164	(54) MASTER/STANDBY MACHINE DATA SYNCHRONIZATION METHOD FOR RAILWAY CENTRALIZED TRAFFIC CONTROL SYSTEM	(22) 06.12.2013
(32) 09.04.2014	(73) CRSC RESEARCH & DESIGN INSTITUTE GROUP CO., LTD.	(54) DECOUPLABLE POWER DRIVE FOR TAILGATES
(33) France	(72) WEI, Feng	(73) MULTIMATIC INC.
(51) B61C 17/00	LIN, Feng	(72) SALMON, John
B61C 17/12	WANG, Lijun	DANIELS, Andrew, R.
H05K 7/20	CHEN, Jianxin	HODZA, Muamer
(11) EP3296174	LIU, Kenan	(31) 2798237
(21) EP15891819.3	ZHAO, Guimin	(32) 07.12.2012
(47) 16.09.2020	LIU, Jun	(33) Canada
(87) JP2015063620	WANG, Meihong	(51) B62D 35/00
17.11.2016	(31) 201810360345	(11) EP3408164
(22) 12.05.2015	(32) 20.04.2018	(21) EP17702519.4
(54) VEHICULAR CONTROL DEVICE	(33) China	(47) 16.09.2020
(73) Mitsubishi Electric Corporation	(51) B62D 15/02	(87) EP2017000081
(72) MIYAMOTO, Naoya	G08G 1/01	03.08.2017
MAMOTO, Yasuaki	G08G 1/0967	(22) 24.01.2017
(51) B61D 35/00	G08G 1/14	(54) AIR-GUIDING DEVICE FOR A VEHICLE FRONT
(11) EP3350053	(11) EP3552194	(73) Daimler AG
(21) EP16812918.7	(21) EP17808906.6	(72) JEHLER-GRAF, Erich
(47) 16.09.2020	(47) 16.09.2020	KONERMANN, Martin
(87) EP2016079882	(87) EP2017081392	(31) 102016000953
17.11.2016	14.06.2018	(32) 28.01.2016
(22) 12.05.2015	(22) 04.12.2017	(33) Germany
(54) VEHICULAR CONTROL DEVICE	(54) METHOD FOR PROVIDING RESULT DATA WHICH DEPEND ON A MOTOR VEHICLE ENVIRONMENT	(51) B62D 55/104
(73) Mitsubishi Electric Corporation	(73) Audi AG	(11) EP3259176
(72) MIYAMOTO, Naoya	(72) ALTINGER, Harald	(21) EP16709188.3
MAMOTO, Yasuaki	SCHULLER, Florian	(47) 16.09.2020
(51) B61D 35/00	FEIST, Christian	(87) US2016017947
(11) EP3350053	(31) 102016224510	25.08.2016
(21) EP16812918.7	(32) 08.12.2016	(22) 15.02.2016
(47) 16.09.2020	(33) Germany	(54) TRACK-MODULE APPARATUS WITH LOAD-INDEPENDENT LOAD DISTRIBUTION
(87) EP2016079882	(51) B62D 21/15	(73) Ati, Inc.
29.06.2017	B62D 25/00	(72) TIEDE, Duane
(22) 06.12.2016	B62D 25/02	RESHAD, Jamsheed
(54) LIQUID-STORAGE APPARATUS AND VEHICLE HAVING A LIQUID-STORAGE APPARATUS	B62D 25/08	STACY, Timothy D.
(73) Siemens Mobility GmbH	B62D 25/20	JUNCKER, Kenneth J.
(72) AIT-JEDDI, Abdessamad	B62D 27/02	(31) 201514625229
BRAUN, Michael		(32) 18.02.2015
LINDERMUTH, Walter		(33) United States of America
(31) 102015226495		
(32) 22.12.2015		

(51) B62D 55/26 B62D 55/28	(54) TORQUE DETECTION DEVICE, DRIVE AND VEHICLE	F16F 7/112 F16F 7/116
(11) EP3339146	(73) Robert Bosch GmbH	(11) EP3464931
(21) EP18153239.1	(72) Hinterkausen, Markus	(21) EP17733056.0
(47) 16.09.2020	Dukart, Anton	(47) 16.09.2020
(22) 14.03.2014	(31) 102016210387	(87) NL2017050347
(54) CHAIN STUD ASSEMBLY FOR A DRIVE CHAIN OF A TRACKED VEHICLE	(32) 13.06.2016	07.12.2017
(73) Kässbohrer Geländefahrzeug AG	(33) Germany	(22) 30.05.2017
(72) Schocke, Bernd	(51) B62K 3/00	(54) FRONT FORK ASSEMBLY, FRONT FORK COMPRISING THE SAME, AND MOTORCYCLE
(31) 102013204624	B62K 15/00	(73) Tractive Suspension B.V.
(32) 15.03.2013	(11) EP3652052	(72) LINDEMAN, Eric Alexander
(33) Germany	(21) EP19711838.3	(31) 2016884
(51) B62D 59/04	(47) 16.09.2020	(32) 02.06.2016
(11) EP2455275	(87) EP2019055683	(33) Netherlands
(21) EP12154671.7	24.10.2019	(51) B62K 27/00
(47) 16.09.2020	(22) 07.03.2019	B62K 27/12
(22) 24.06.2009	(54) STEP SCOOTER AND OPERATING METHOD	(11) EP3290320
(54) Auxiliary drive	(73) Audi AG	(21) EP17188740.9
(73) Alois Kober GmbH	(31) 102018205864	(47) 16.09.2020
(72) Eckle, Volker	(32) 18.04.2018	(22) 31.08.2017
Hartleff, Christian	(33) Germany	(54) TRAILER COUPLING
Müller, Thomas	(51) B62K 3/02	(73) Croozer GmbH
Wilhelm Dr., Klaus	B62K 15/00	(72) Gray, Roger
Zacharias, Georg	(11) EP3309050	(31) 102016116261
(31) 202008008429 U	(21) EP17195709.5	(32) 31.08.2016
202009001675 U	(47) 16.09.2020	(33) Germany
202009005524 U	(22) 10.10.2017	(51) B62M 6/50
(32) 25.06.2008	(54) BICYCLE	B60L 3/00
10.02.2009	(73) Laxström, Zakarias	(11) EP2918490
11.04.2009	(72) Laxström, Zakarias	(21) EP15159029.6
(33) Germany	(31) 20165774	(47) 16.09.2020
Germany	(32) 12.10.2016	(22) 13.03.2015
Germany	(33) Finland	(54) ELECTRIC ASSIST BICYCLE
(51) B62H 5/00	(51) B62K 5/08	(73) Yamaha Hatsudoki Kabushiki Kaisha
B62H 5/14	B62K 5/10	(72) Arimune, Nobuyasu
E05B 47/00	(11) EP3581476	Negoro, Masanori
E05B 47/06	(21) EP19179706.7	Takeda, Tomoyuki
E05B 71/00	(47) 16.09.2020	Kinpara, Yuki
(11) EP3597516	(22) 12.06.2019	(31) 2014052026
(21) EP18200846.6	(54) SADDLE TYPE VEHICLE	(32) 14.03.2014
(47) 16.09.2020	(73) Kawasaki Jukogyo Kabushiki Kaisha	(33) Japan
(22) 17.10.2018	(72) NAGASAKA, Kazuya	(51) B63B 21/24
(54) BICYCLE INDUCTIVE LOCK	TERADA, Takenori	B63B 21/38
(73) Season Cycling Corp.	ISHII, Hiroshi	F16G 15/08
(72) HU, Ching-Huang	(31) 2018112541	(11) EP3368401
(31) 107209702 U	(32) 13.06.2018	(21) EP15907171.1
(32) 18.07.2018	(33) Japan	(47) 16.09.2020
(33) Taiwan, Province of China	(51) B62K 11/04	(87) IB2015058381
(51) B62J 1/02	F01M 1/02	04.05.2017
(11) EP3019391	F01M 1/12	(22) 30.10.2015
(21) EP14777770.0	F02B 61/02	(54) ANCHOR ADAPTOR
(47) 16.09.2020	F16H 57/04	(73) CMP Group Ltd.
(87) IB2014062962	(11) EP3081830	(72) DUFF, Michael A.
15.01.2015	(21) EP16161605.7	POCOCK, Mark
(22) 09.07.2014	(47) 16.09.2020	(51) B63B 25/00
(54) SADDLE FOR BICYCLES OR MOTORCYCLES	(22) 22.03.2016	B63B 25/12
(73) Selle Royal S.p.A.	(54) LUBRICATING DEVICE OF INTERNAL COMBUSTION ENGINE	B63B 25/14
(72) BIGOLIN, Barbara	(73) HONDA MOTOR CO., LTD.	B63B 27/00
(31) VR20130160	(72) HATAE, Ryo	B63B 27/34
(32) 11.07.2013	OMORI, Kohei	B63B 35/28
(33) Italy	NAKANO, Kenichi	B63H 21/38
(51) B62J 45/411	(31) 2015066613	(11) EP3536599
(11) EP3257735	(32) 27.03.2015	(21) EP19382160.0
(21) EP17165864.4	(33) Japan	(47) 16.09.2020
(47) 16.09.2020	(51) B62K 25/08	(22) 05.03.2019
(22) 11.04.2017		

(54) REFUELING TANKER SHIP FOR SHIPS POWERED BY LIQUEFIED NATURAL GAS (LNG), AS WELL AS A LIQUEFIED NATURAL GAS LNG LOADING STATION	F02B 33/34 F02B 37/04 F02B 37/10 F02B 37/11 F02B 37/12	201462099022 P PCT/US2015/013141 PCT/US2015/015281 201514852010
(73) NATURGY LNG, S.L.	F02B 37/14	(32) 31.12.2014 31.12.2014
(72) DUVISON SANTIAGO, Miguel	F02B 39/10	31.12.2014
CERRATO ORTEGA, Roberto	F02B 75/12	27.01.2015
GALLO CARRASCO, Francisco, Javier	F02D 41/00	10.02.2015
ROMERO BLANCO, Juan	F02D 41/06	11.09.2015
ESPARBE MAINAR, Jordi, Josep	F02D 41/38	(33) United States of America
GARCÍA DÍAZ, Piedad	F02N 9/04	United States of America
BONAUT PRIETO, Mario	F02N 11/00	United States of America
(31) 201830217	F02N 11/08	World Intellectual Property Office (WIPO)
(32) 06.03.2018	(11) EP3232048	World Intellectual Property Office (WIPO)
(33) Spain	(21) EP15876907.5	United States of America
(51) B63B 27/16	(47) 16.09.2020	(51) B64C 3/20
B63B 35/54	(87) JP2015072577	B64C 3/26
B63H 21/17	14.07.2016	H01Q 1/28
B63J 3/00	(22) 07.08.2015	H01Q 1/42
(11) EP3535181	(54) DEVICE AND METHOD FOR STARTING AN INTERNAL COMBUSTION ENGINE	H01Q 19/10
(21) EP17807944.8	(73) Mitsubishi Heavy Industries, Ltd.	(11) EP3085617
(47) 16.09.2020	(72) YAMASHITA, Yukio	(21) EP16155393.8
(87) NO2017050281	ONO, Yoshihisa	(47) 16.09.2020
11.05.2018	SAKAMOTO, Musashi	(22) 12.02.2016
(22) 02.11.2017	TSUJI, Takeshi	(54) CONFORMAL COMPOSITE ANTENNA ASSEMBLY
(54) A TRANSPORT SYSTEM AND METHOD	MIYANAGI, Akihiro	(73) The Boeing Company
(73) Vard Electro AS	(31) 2015000386	(72) LAVIN, Ronald O.
(72) SØVIK, Christian	(32) 05.01.2015	MCCARTHY, Dennis K.
(31) 20161753	(33) Japan	TYRRELL, Stacey A.
(32) 04.11.2016	(51) B63H 21/21	KUBE, Courtney B.
(33) Norway	B64C 13/04	(31) 201514691147
(51) B63B 39/06	B64C 27/56	(32) 20.04.2015
(11) EP3368407	B64D 31/04	(33) United States of America
(21) EP16798582.9	G05G 1/04	(51) B64C 9/16
(47) 16.09.2020	G05G 7/02	B64C 9/18
(87) NL2016050740	G05G 9/047	(11) EP2690006
04.05.2017	G05G 5/03	(21) EP13181322.2
(22) 26.10.2016	(11) EP3467612	(47) 16.09.2020
(54) MULTIFUNCTIONAL DAMPING SYSTEM FOR VESSEL MOVEMENT	(21) EP18199144.9	(22) 20.11.2006
(73) Quantum Controls B.V.	(47) 16.09.2020	(54) Aircraft trailing edge devices, including devices having forwardly positioned hinge lines, and associated methods
(72) KOOP, Theo	(22) 08.10.2018	(73) The Boeing Company
DINNISSEN, Lambertus Johannes Maria	(54) DEVICE FOR GENERATING FORCE SENSATION, BY FRICTION, FOR A FLIGHT CONTROL SYSTEM OF AN AIRCRAFT	(72) Lacy, Douglas S.
(31) 2015674	(73) Lord Solutions France	Kordel, Jan A.
(32) 28.10.2015	(72) ROUSSEY, Bastien	Dovey, John V.
(33) Netherlands	(31) 1759423	Sakurai, Seiya
(51) B63H 5/125	(32) 09.10.2017	Huynh, Neal V.
B63H 20/16	(33) France	Balzer, Michael A.
B63H 21/17	(51) B63H 25/04	(31) 284113
B63H 23/04	G05D 1/02	(32) 21.11.2005
(11) EP3583026	(11) EP3241085	(33) United States of America
(21) EP18710929.3	(21) EP15831264.5	(51) B64C 25/14
(47) 16.09.2020	(47) 16.09.2020	B64C 25/26
(87) NL2018050106	(87) US2015067959	(11) EP3521159
23.08.2018	07.07.2016	(21) EP19155150.6
(22) 16.02.2018	(22) 29.12.2015	(47) 16.09.2020
(54) THRUSTER FOR PROPELLING A WATERCRAFT	(54) PROACTIVE DIRECTIONAL CONTROL SYSTEMS AND METHODS	(22) 01.02.2019
(73) Veth Propulsion B.V.	(73) Flir Systems, Inc.	(54) LANDING GEAR WITH BRACE WITH LIGHT
(72) TERLOUW, Teunis	(72) JOHNSON, Mark	(73) Safran Landing Systems
HUISMAN, Marco Gerritt	MATT, Ian	(72) MOINE, Daniel
VETH, Hendrik Alexander	YEOMANS, Christopher	ROLINAT, Hervé
(31) 2018388	(31) 201462099032 P	(31) 1850904
(32) 16.02.2017	201462099016 P	(32) 02.02.2018
(33) Netherlands		(33) France
(51) B63H 21/14		

(51) B64C 25/20 B64C 25/26	BAVOR, Clayton, Woodward, Jr.	(54) BASEFRAME TUBE CLAMPING DEVICE
(11) EP3539867	(31) 201514635492	(73) Safran Seats USA LLC
(21) EP19162598.7	(32) 02.03.2015	(72) MALLIGERE, Girish J.
(47) 16.09.2020	(33) United States of America	WILLEY, Michael
(22) 13.03.2019	(51) B64D 11/06	(31) 201562217324 P
(54) MANEUVERING METHOD FOR A LANDING GEAR BETWEEN A DEPLOYED AND A RETRACTED POSITION	(11) EP2996940	(32) 11.09.2015
(73) Safran Landing Systems	(21) EP14726008.7	(33) United States of America
(72) EUZET, Bertrand	(47) 16.09.2020	(51) B64D 13/02
QUENERCH'DU, Marc	(87) IB2014000637	F16L 41/00
DUBACHER, Bertrand	20.11.2014	F16L 41/08
HENRION, Philippe	(22) 29.04.2014	G01L 19/00
DUBOIS, Sébastien	(54) EXIT ROW TABLE FOR AN AIRCRAFT	(11) EP3173336
(31) 1852268	(73) Bombardier Inc.	(21) EP16200348.7
1856723	(72) GAGNON, Pierre	(47) 16.09.2020
(32) 16.03.2018	ROY, Jordan	(22) 23.11.2016
19.07.2018	DEKA, Tom	(54) SUPPLY TUBE FOR SENSOR
(33) France	MAGEAU, Christian	(73) Hamilton Sundstrand Corporation
France	MONARDO, Michele	(72) BEERS, Craig M.
(51) B64C 27/04	HUBER, Stefan	McAULIFFE, Christopher
(11) EP3392143	HASELBERGER, Christoph	HIPSKY, Harold W.
(21) EP18167659.4	(31) 201361823567 P	(31) 201514951818
(47) 16.09.2020	(32) 15.05.2013	(32) 25.11.2015
(22) 17.04.2018	(33) United States of America	(33) United States of America
(54) IMPROVED DATA TRANSFER SYSTEM FOR A ROTORCRAFT	(51) B64D 11/06	(51) B64D 15/12
(73) Simmonds Precision Products, Inc.	(11) EP3374265	H05B 3/20
(72) LYNCH, Michael A.	(21) EP16795008.8	(11) EP3355660
LARSEN, David	(47) 16.09.2020	(21) EP18152747.4
(31) 201715490687	(87) EP2016077218	(47) 16.09.2020
(32) 18.04.2017	18.05.2017	(22) 22.01.2018
(33) United States of America	(22) 10.11.2016	(54) CARBON ALLOTROPE HEATERS WITH MULTIPLE INTERDIGITATED ELECTRODES
(51) B64C 39/02	(54) FIXING DEVICE FOR A COMPONENT PART MOUNTABLE IN RAILS OF A FLOOR STRUCTURE OF AN AIRCRAFT	(73) Goodrich Corporation
B64C 39/04	(73) Lufthansa Technik AG	(72) HU, Jin
(11) EP3495267	(72) LOOSE, Jörn	SLANE, Casey
(21) EP18209527.3	GAMM, Mario	CHING, Nathaniel
(47) 16.09.2020	KUHLGATZ, Wolfram	BOTURA, Galdemir Cezar
(22) 30.11.2018	KÖHLER, Stefan	(31) 201715416743
(54) UNMANNED AERIAL VEHICLE	PIOTROWSKI, Pawel	(32) 26.01.2017
(73) The Boeing Company	SCHMITZ, Magdalena	(33) United States of America
(72) Grubb, Matthew David	(31) 102015222233	(51) B64D 27/20
Miller, Douglas Allyn	6712016	B64D 29/06
Lydecker, Jeffrey David	(32) 11.11.2015	F01D 21/04
Cirulnick, Daniel Robert	25.05.2016	F04D 29/52
Goodrich, Wayne David	(33) Germany	(11) EP3382158
(31) 201762595069 P	Switzerland	(21) EP18158036.6
2020397	(51) B64D 11/06	(47) 16.09.2020
(32) 05.12.2017	(11) EP3222524	(22) 22.02.2018
07.02.2018	(21) EP17161544.6	(54) GAS TURBINE ENGINE FAN BLADE CONTAINMENT SYSTEMS
(33) United States of America	(47) 16.09.2020	(73) The Boeing Company
Netherlands	(22) 17.03.2017	(72) FRACCHIA, Carlos Angelo
(51) B64C 39/02	(54) TABLE LEG	JOST, Karen M.
H04N 5/222	(73) Acro Aircraft Seating Limited	HIGGINS, Mark David
H04N 7/14	(72) Challenor, Adam	HARPER, Colleen M.
H04N 7/15	Hugh, Toby	(31) 201715476038
(11) EP3266193	(31) 201604653	(32) 31.03.2017
(21) EP16709953.0	(32) 18.03.2016	(33) United States of America
(47) 16.09.2020	(33) United Kingdom	(51) B64D 29/06
(87) US2016013422	(51) B64D 11/06	B64D 33/04
09.09.2016	F16B 2/10	F02K 1/06
(22) 14.01.2016	F16B 7/04	F02K 3/06
(54) FLYING TELEPRESENCE DRONE	(11) EP3347272	(11) EP2886841
(73) Wing Aviation LLC	(21) EP16718841.6	(21) EP14196868.5
(72) SOPPER, Clark	(47) 16.09.2020	(47) 16.09.2020
WOODWORTH, Adam	(87) US2016028060	(22) 09.12.2014
	16.03.2017	
	(22) 18.04.2016	

(54) Gas turbine cowl having a variable area fan nozzle and a corresponding method	(54) ACTUATOR RELEASE MECHANISM	B65D 33/25
(73) Rolls-Royce plc	(73) Hamilton Sundstrand Corporation	B65D 85/07
(72) Beardsley, Peter	(72) Wit, Marek	(11) EP3426560
Pons Perez, Marc	Lewandowski, Rafa	(21) EP17763801.2
(31) 201322380	Lewandowski, Dawid	(47) 16.09.2020
(32) 18.12.2013	Hilgier, Artur	(87) US2017020788
(33) United Kingdom		14.09.2017
(51) B64D 37/06	(51) B64D 47/04	(22) 03.03.2017
B64G 1/40	(11) EP3533715	(54) A BAG FOR SHIPPING A CUSHION AND RELATED METHODS
B65D 88/12	(21) EP18382121.4	(73) Purple Innovation, LLC
F17C 13/00	(47) 16.09.2020	(72) PEARCE, Tony M.
(11) EP2953855	(22) 28.02.2018	(31) 201615063114
(21) EP14702840.1	(54) METHOD FOR DYNAMIC CONTROL OF RUNWAY ILLUMINATION ON AIRCRAFT	(32) 07.03.2016
(47) 16.09.2020	(73) Airbus Operations, S.L.	(33) United States of America
(87) EP2014052139	(72) ROBLEDO BUENO, Jesús	(51) B65B 19/22
14.08.2014	(51) B64G 1/22	(11) EP3546378
(22) 04.02.2014	B64G 1/66	(21) EP19165357.5
(54) ARRANGEMENT OF A TANK AND A DEVICE FOR RETAINING THE TANK IN AN AIRCRAFT	F16C 11/12	(47) 16.09.2020
(73) ArianeGroup SAS	(11) EP2256039	(22) 26.03.2019
(72) FAURE, Benjamin	(21) EP10162158.9	(54) PACKER MACHINE AND WRAPPING METHOD TO FOLD A WRAP AROUND A GROUP OF SMOKING ARTICLES
BERTRAND, Jérôme	(47) 16.09.2020	(73) G.D SOCIETA' PER AZIONI
CORABOEUF, Yohann	(22) 06.05.2010	(72) SQUARZONI, Michele
CHEVROLLIER, Samuel	(54) Through-pivot with flexible elements and spacecraft comprising such a pivot	FEDERICI, Luca
ABADIE-LAHAILLE, Robert	(73) THALES	SCAGLIARINI, Simone
MEZIERES, Pascal	(72) Baudasse, Yannick	MECCAGNI, Mattia
SANTERRE, Angélique	(31) 0902427	TREBBI, Flavio
(31) 1350988	(32) 19.05.2009	CARBONI, Luca
(32) 05.02.2013	(33) France	RONZANI, Fabrizio
(33) France	(51) B64G 1/58	SARTI, Stefano
(51) B64D 37/32	C08G 8/28	(31) 201800003936
(11) EP3501992	C08G 8/30	201800003942
(21) EP18214791.8	C08G 8/36	201800003940
(47) 16.09.2020	C08L 61/14	(32) 26.03.2018
(22) 20.12.2018	F02K 9/97	26.03.2018
(54) FUEL TANK INERTING SYSTEM	(11) EP3408179	06.06.2018
(73) Hamilton Sundstrand Corporation	(21) EP17701859.5	(33) Italy
(72) THIBAUD, Catherine	(47) 16.09.2020	Italy
(31) 201715849151	(87) EP2017051619	Italy
(32) 20.12.2017	03.08.2017	(51) B65B 27/10
(33) United States of America	(22) 26.01.2017	B65B 35/52
(51) B64D 39/00	(54) CURABLE RESIN AS A SUBSTITUTE FOR PHENOLIC RESINS AND THE APPLICATIONS THEREOF	(11) EP3369663
G01S 1/70	(73) ArianeGroup SAS	(21) EP18000170.3
(11) EP2289801	Université De Reims Champagne-Ardenne	(47) 16.09.2020
(21) EP10178460.1	Centre National de la Recherche Scientifique	(22) 20.02.2018
(47) 16.09.2020	(72) RIVIERES, Bastien	(54) COLLAR FORMING DEVICE FOR ELONGATED WORKPIECES AND METHOD FOR BUNDLING ELONGATED WORKPIECES
(22) 24.02.2006	DEFOORT, Brigitte	(73) Michael Weinig AG
(54) Optical tracking system for aerial refueling	LESAMBER, Cécile	(72) BOLL, Werner
(73) GE Aviation Systems LLC	COQUERET, Xavier	ZORN, Günter
(72) Mickley, Joseph G.	(31) 1650755	KRAUS, Martin
Stitt, Raymond Michael	(32) 29.01.2016	KAAS, Christian
Saggio III, Frank	(33) France	OETZEL, Timo
Pavlich, Jane C.	(51) B65B 5/04	GAVRILOV, Alexander
Wassick, Gregory J.	B65B 13/02	(31) 102017001950
(31) 656084 P	B65B 13/20	(32) 24.02.2017
249262	B65B 25/14	(33) Germany
(32) 25.02.2005	B65B 43/08	(51) B65B 31/04
14.10.2005	B65B 61/14	B65G 1/00
(33) United States of America	B65B 63/02	B65G 1/04
United States of America	B65B 63/04	H01L 21/673
(51) B64D 41/00	B65B 69/00	H01L 21/677
(11) EP3305664	B65D 33/02	(11) EP2717306
(21) EP16461563.5	B65D 33/06	(21) EP12789538.1
(47) 16.09.2020		
(22) 10.10.2016		

(47) 16.09.2020	(31) S20160145	(73) Packsize LLC
(87) JP2012060730	(32) 31.05.2016	(72) KIESSNER, Hanko
29.11.2012	(33) Ireland	PETTERSSON, Niklas
(22) 20.04.2012	(51) B65D 5/00	(31) 201562253536 P
(54) LOAD PORT APPARATUS, CARRIER	(11) EP3172137	(32) 10.11.2015
SYSTEM, AND CONTAINER	(21) EP15744304.5	(33) United States of America
CONVEYANCE METHOD	(47) 16.09.2020	(51) B65D 17/00
(73) Murata Machinery, Ltd.	(87) GB2015052137	(11) EP3487772
(72) TOMINAGA, Tadamasu	28.01.2016	(21) EP17758276.4
(31) 2011116838	(22) 23.07.2015	(47) 16.09.2020
(32) 25.05.2011	(54) A METHOD FOR FORMING A	(87) IB2017054442
(33) Japan	PACKAGING WITH AN ELECTRONICS	25.01.2018
(51) B65B 41/16	MODULE AND A BLANK WITH AN	(22) 21.07.2017
B65B 41/18	ELECTRONICS MODULE	(54) PULL-TAB AND METHOD FOR
B65B 9/067	(73) ABI SAB Group Holding Limited	PRODUCING THE PULL-TAB
B65B 9/073	Fraunhofer Gesellschaft zur Förderung	(73) Trivium Packaging Group Netherlands
(11) EP3536619	der angewandten Forschung e.V.	B.V.
(21) EP18206915.3	(72) HUTT, Douglas	(72) VAN JAARSVELDT, Hein
(47) 16.09.2020	KLINK, Gerhard	LIMONI, Luca
(22) 19.11.2018	HEMMETZBERGER, Johan-Dieter	TIELBEKE, Gerard
(54) AUTOMATIC PACKAGING MACHINE	(31) 201413197	(31) 16180603
(73) Smipack S.P.A.	(32) 25.07.2014	(32) 21.07.2016
(72) GASPARINI, Marco	(33) United Kingdom	(33) European Patent Office (EPO)
PIANETTI, Luca	(51) B65D 5/40	(51) B65D 17/00
(31) 201800003391	B65D 5/74	C08L 61/04
(32) 09.03.2018	B65D 75/62	C08L 67/00
(33) Italy	B65D 77/04	C09D 161/28
(51) B65D 3/04	(11) EP3342724	C09D 161/32
B65D 3/06	(21) EP16838856.9	C09D 167/00
B65D 3/18	(47) 16.09.2020	(11) EP3288839
B65D 3/28	(87) JP2016064703	(21) EP16722813.9
B65D 5/355	02.03.2017	(47) 16.09.2020
B65D 5/54	(22) 18.05.2016	(87) EP2016059437
B65D 5/56	(54) PAPER INNER CONTAINER FOR	03.11.2016
B65D 30/28	HOLDING LIQUID REFILL CONTENTS	(22) 27.04.2016
B65D 43/02	(73) Nippon Paper Industries Co., Ltd.	(54) PULL TABS FOR FOOD AND/OR
B65D 53/04	(72) OKUDE, Hideki	BEVERAGE CANS
B65D 81/36	NODA, Takaharu	(73) PPG Industries Ohio, Inc.
B65D 85/36	(31) 2015166118	(72) MARAL, Jean-Luc
(11) EP3620404	(32) 25.08.2015	ACHIBET, Jamal
(21) EP19204722.3	(33) Japan	(31) 15165994
(47) 16.09.2020	(51) B65D 5/42	(32) 30.04.2015
(22) 12.10.2016	B65D 85/10	(33) European Patent Office (EPO)
(54) CYLINDRICAL CONTAINER AND	(11) EP3350099	(51) B65D 39/12
SERVING BOWL	(21) EP16770472.5	B65D 45/32
(73) Sonoco Development, Inc.	(47) 16.09.2020	B65D 55/02
(72) MILLER, Paul, Edward	(87) EP2016072033	(11) EP3227198
ACKERMAN, Jamie, Lynn	23.03.2017	(21) EP15813915.4
CARPENTER, Lawrence, Robert	(22) 16.09.2016	(47) 16.09.2020
KUBILIUS, Steven	(54) CONTAINER WITH A BEVELLED EDGE	(87) IB2015059245
(31) 201562244453 P	AND AN ADJACENT TRANSVERSE	09.06.2016
201615007833	CURVED EDGE	(22) 01.12.2015
(32) 21.10.2015	(73) Philip Morris Products S.A.	(54) SHORT ROTATION SAFETY LOCK FOR
27.01.2016	(72) RUDOLF, David	CONTAINERS
(33) United States of America	(31) 15185752	(73) Rosson, Eduardo Juan
United States of America	(32) 17.09.2015	(72) Rosson, Eduardo Juan
(51) B65D 3/20	(33) European Patent Office (EPO)	(31) P140104487
(11) EP3464082	(51) B65D 5/50	(32) 02.12.2014
(21) EP17731810.2	B65D 81/02	(33) Argentina
(47) 16.09.2020	B65D 81/07	(51) B65D 47/24
(87) EP2017062852	(11) EP3374284	(11) EP3489167
07.12.2017	(21) EP16864773.3	(21) EP18208703.1
(22) 29.05.2017	(47) 16.09.2020	(47) 16.09.2020
(54) A CONTAINER WITH A CLOSURE	(87) US2016059225	(22) 27.11.2018
ARRANGEMENT RESTRICTING	18.05.2017	(54) ASSEMBLY COMPRISING A CAP AND
SPILLAGE	(22) 27.10.2016	A CONTAINER
(73) Hanpak Limited	(54) RETAINING BOX TEMPLATE AND	(73) IM Production
(72) LU, Wei	METHODS OF USE	(72) BURGER, Guy-Claude

(31) 1761327	(54) DEVICE FOR TRANSPORTING A	(11) EP3566982
(32) 28.11.2017	TRANSPORT ITEM, AND METHOD	(21) EP19167586.7
(33) France	(73) Kaup GmbH&Co. KG	(47) 16.09.2020
(51) B65D 65/46	(72) KAUP, Otmar	(22) 05.04.2019
C08J 5/18	(31) 102015009844	(54) SORTING CONVEYOR WITH ARTICLE
C08K 5/19	(32) 04.08.2015	REMOVAL DEVICE
C08K 5/42	(33) Germany	(73) BEUMER Group GmbH & Co. KG
C08L 29/04	(51) B65G 5/00	(72) Erden, Ertan
(11) EP3205693	F17C 5/02	Damis, Pierre
(21) EP15849157.1	F17C 5/06	Atwan, Christopher
(47) 16.09.2020	(11) EP2021266	Zanni, Maurizio
(87) JP2015078399	(21) EP07719867.9	(31) 201815961199
14.04.2016	(47) 16.09.2020	(32) 24.04.2018
(22) 06.10.2015	(87) CA2007000947	(33) United States of America
(54) RESIN COMPOSITION AND FILM	13.12.2007	(51) B65H 1/02
(73) Kuraray Co., Ltd.	(22) 06.06.2007	G06K 13/08
(72) TAKAFUJI Masahiro	(54) METHOD OF INCREASING STORAGE	G06K 13/103
KATO Masaki	CAPACITY OF NATURAL GAS	(11) EP3541732
MORI Yoko	STORAGE CAVERNS	(21) EP17804504.3
(31) 2014208314	(73) 1304338 Alberta Ltd	(47) 16.09.2020
(32) 09.10.2014	1304342 Alberta Ltd	(87) EP2017079553
(33) Japan	(72) Lourenco, Jose	24.05.2018
(51) B65D 77/04	Millar, Mackenzie	(22) 17.11.2017
B65D 90/48	(31) 2550109	(54) APPARATUS FOR SEPARATING AND
G01F 19/00	(32) 06.06.2006	INDIVIDUALIZING DOCUMENT BODIES
G01F 23/02	(33) Canada	(73) Bundesdruckerei GmbH
G01F 25/00	(51) B65G 17/16	(72) HIRSCH, Robert
(11) EP3335018	B65G 17/38	KIRSCHBAUER, Josef
(21) EP16834298.8	B65G 47/40	(31) 102016222694
(47) 16.09.2020	B65G 47/58	(32) 17.11.2016
(87) AU2016000270	B65G 47/62	(33) Germany
16.02.2017	(11) EP3592672	(51) B65H 7/06
(22) 08.08.2016	(21) EP18710389.0	B65H 9/00
(54) VOLUME MEASUREMENT	(47) 16.09.2020	B65H 9/10
APPARATUS	(87) EP2018055180	(11) EP3415451
(73) Shuttle Gauge IP Pty Ltd	13.09.2018	(21) EP18175803.8
(72) Gillett, Nicholas Ross	(22) 02.03.2018	(47) 16.09.2020
(31) 2015905426	(54) VERTICAL CONVEYOR COMPRISING	(22) 04.06.2018
2016900961	A RIGID CHAIN AND A CHAIN	(54) SHEET CONVEYING DEVICE AND
(32) 12.08.2015	LINK, CONVEYING ELEMENT AND	IMAGE FORMING APPARATUS
15.03.2016	DELIVERY DEVICE	INCORPORATING THE SHEET
(33) Australia	(73) Aumund Fördertechnik GmbH	CONVEYING DEVICE
Australia	(72) HEINE, Oliver	(73) Ricoh Company, Ltd.
(51) B65D 88/52	(31) 102017104556	(72) MATSUDA, Hiromichi
(11) EP3374278	(32) 06.03.2017	MIYAWAKI, Katsuaki
(21) EP16864762.6	(33) Germany	YAMANE, Jun
(47) 16.09.2020	(51) B65G 47/14	TAKAYAMA, Hideyuki
(87) US2016058637	(11) EP3122666	(31) 2017117546
18.05.2017	(21) EP15711480.2	2018082822
(22) 25.10.2016	(47) 16.09.2020	(32) 15.06.2017
(54) COLLAPSIBLE CONTAINER	(87) EP2015055649	24.04.2018
(73) Utz, Hans	01.10.2015	(33) Japan
(72) Utz, Hans	(22) 18.03.2015	Japan
(31) 201562253481 P	(54) FEED UNIT	(51) B65H 18/28
(32) 10.11.2015	(73) British American Tobacco (Investments)	B65H 19/29
(33) United States of America	Ltd	(11) EP3279122
(51) B65G 1/04	(72) FALLON, Gary	(21) EP16771419.5
B65G 61/00	PARK, Kie Seon	(47) 16.09.2020
B66F 9/12	FULLER, Martin	(87) CN2016078326
B66F 9/14	VERNON, Geoffrey	06.10.2016
B66F 9/18	CLEALL, Andrew	(22) 01.04.2016
(11) EP3331810	STEMBRIDGE, James	(54) METHOD FOR FIXING TAIL END OF
(21) EP16766833.4	GRUNFELD, Thomas	TOILET PAPER ROLL AND TOILET
(47) 16.09.2020	(31) 201405340	PAPER ROLL THEREFROM
(87) DE2016000302	(32) 25.03.2014	(73) Foshan Baosuo Paper Machinery
09.02.2017	(33) United Kingdom	Manufacture Co., Ltd.
(22) 04.08.2016	(51) B65G 47/82	(72) PENG, Jinchao
	B65G 47/96	CHEN, Jinhui

(31) 201510153773	B66B 7/08	(47) 16.09.2020
(32) 02.04.2015	(11) EP3418234	(22) 30.01.2015
(33) China	(21) EP18178539.5	(54) Cabin with adjustable protective roof
(51) B65H 19/22	(47) 16.09.2020	(73) GEDA-Dechentreiter GmbH & Co. KG.
(11) EP3502022	(22) 19.06.2018	(72) Graf, Ulrich
(21) EP18212941.1	(54) ELEVATOR TERMINATION ASSEMBLY	(31) 202014001106 U
(47) 16.09.2020	THAT PROVIDES AN INDICATION OF	102014003664
(22) 17.12.2018	ELEVATOR CAR LOAD	(32) 06.02.2014
(54) REWINDING MACHINE AND RELATIVE	(73) Otis Elevator Company	14.03.2014
METHOD FOR REWINDING AND	(72) Martin, Kyle B.	(33) Germany
FORMING A ROLL OF PAPER	(31) 201715627787	Germany
(73) GAMBINI S.p.A.	(32) 20.06.2017	(51) B66B 11/00
(72) PICCHI, Fabio	(33) United States of America	B66B 19/00
BUFFA, Giovanni	(51) B66B 1/46	(11) EP3074334
(31) 201700148730	H04W 12/08	(21) EP13897748.3
(32) 22.12.2017	H04W 4/02	(47) 16.09.2020
(33) Italy	H04W 4/021	(87) US2013071640
(51) B65H 23/04	G07C 9/27	28.05.2015
B65H 23/195	G07C 9/29	(22) 25.11.2013
D21F 2/00	(11) EP3440854	(54) BEDPLATE FOR ELEVATOR SYSTEM
D21F 7/00	(21) EP16723504.3	(73) Otis Elevator Company
D21G 9/00	(47) 16.09.2020	(72) ST. PIERRE, Bruce
G01L 5/10	(87) IB2016000593	SWAYBILL, Bruce P.
G01L 5/107	12.10.2017	BHASKAR, Kiron
(11) EP3399293	(22) 06.04.2016	(51) B66B 11/04
(21) EP18168169.3	(54) MOBILE VISITOR MANAGEMENT	(11) EP3095744
(47) 16.09.2020	(73) Otis Elevator Company	(21) EP16170726.0
(22) 19.04.2018	(72) WEDZIKOWSKI, Lucien	(47) 16.09.2020
(54) MEASURING BLOCK FOR FIBRE WEB	SCOVILLE, Bradley, Armand	(22) 20.05.2016
MACHINE	(51) B66B 3/00	(54) ELEVATOR MACHINE WITH OIL-
(73) Valmet Technologies Oy	(11) EP1621505	LUBRICATED BEARINGS
(72) HORSMA-AHO, Simo	(21) EP05104890.8	(73) Otis Elevator Company
KERVOLA, Harri	(47) 16.09.2020	(72) STRBUNCELJ, Zlatko
SAMPPALA, Jukka	(22) 06.06.2005	(31) 201562165146 P
(31) U20174127 U	(54) Apparatus and procedure to inform	(32) 21.05.2015
(32) 05.05.2017	passengers of an elevator	(33) United States of America
(33) Finland	(73) Inventio AG	(51) B66B 13/26
(51) B65H 75/14	(72) Bodmer, Christian	(11) EP2789564
B65H 75/22	Grundmann, Steffen	(21) EP13163453.7
(11) EP3564167	Finschi, Lukas	(47) 16.09.2020
(21) EP18170894.2	Steinmann, Kurt	(22) 12.04.2013
(47) 16.09.2020	Wyss, Philipp	(54) Fixing arrangement for a light curtain in
(22) 04.05.2018	(31) 04405376	an elevator
(54) TAPE DISPENSER, IN PARTICULAR	(32) 18.06.2004	(73) KONE Corporation
DISPENSER FOR ADHESIVE TAPE	(33) European Patent Office (EPO)	(72) Kuisma, Petri,
(73) Adam Hall GmbH	(51) B66B 5/00	(51) B66B 13/30
(72) Henlich, Robin	B66B 13/22	(11) EP3210927
Bitterlich, Martin	(11) EP3532421	(21) EP14904518.9
Jentsch, Kai	(21) EP17787199.3	(47) 16.09.2020
(51) B66B 1/34	(47) 16.09.2020	(87) JP2014077857
B66B 5/00	(87) EP2017077234	28.04.2016
(11) EP3371086	03.05.2018	(22) 20.10.2014
(21) EP16790545.4	(22) 25.10.2017	(54) ELEVATOR APPARATUS
(47) 16.09.2020	(54) ELEVATOR WITH ELECTRIC CIRCUIT	(73) Hitachi, Ltd.
(87) EP2016075907	MONITORING A SWITCH WITH	(72) FUKUYA, Tsuyoshi
11.05.2017	ALTERNATING CURRENT	ISHITSUKA, Shinsuke
(22) 27.10.2016	(73) Inventio AG	(51) B66C 1/10
(54) ELEVATOR SYSTEM AND METHOD	(72) SONNENMOSER, Astrid	F03D 13/10
FOR CONTROLLING AN ELEVATOR	LUSTENBERGER, Ivo	(11) EP3356278
SYSTEM	HEINZ, Kurt	(21) EP16777897.6
(73) Otis Elevator Company	HARTMANN, Thomas	(47) 16.09.2020
(72) HERKEL, Peter	(31) 16195923	(87) DK2016050315
TEGTMEIER, Dirk	(32) 27.10.2016	06.04.2017
(31) PCT/EP2015/075812	(33) European Patent Office (EPO)	(22) 30.09.2016
(32) 05.11.2015	(51) B66B 9/187	(54) A LIFTING ARRANGEMENT
(33) World Intellectual Property Office (WIPO)	B66B 11/02	FOR LIFTING A WIND TURBINE
(51) B66B 1/34	(11) EP2910511	COMPONENT
	(21) EP15000293.9	

(73) Vestas Wind Systems A/S	(11) EP2837918	G02F 1/01
(72) STORGAARD, Gunnar K.	(21) EP13775539.3	G02F 1/35
(31) 201570619	(47) 16.09.2020	H01Q 15/00
(32) 01.10.2015	(87) JP2013060888	G02F 1/19
(33) Denmark	17.10.2013	(11) EP3235782
(51) B66F 9/24	(22) 11.04.2013	(21) EP17166654.8
G07C 5/08	(54) FLOW RATE SENSOR AND METHOD	(47) 16.09.2020
(11) EP3277618	FOR MAKING SAME	(22) 13.04.2017
(21) EP16709954.8	(73) Hitachi Automotive Systems, Ltd.	(54) VOLTAGE-TUNABLE OPTICAL
(47) 16.09.2020	(72) KONO, Tsutomu	FILTERS FOR INSTRUMENTATION
(87) US2016015382	HANZAWA, Keiji	APPLICATIONS
06.10.2016	TOKUYASU, Noboru	(73) Il-VI Incorporated
(22) 28.01.2016	TASHIRO, Shinobu	(72) SOMMER, Thomas Radford
(54) METHOD FOR CONTROLLING	(31) 2012091288	KASTANIS, William
A FUNCTIONAL SYSTEM OF A	(32) 12.04.2012	(31) 201615131249
MATERIALS HANDLING VEHICLE	(33) Japan	(32) 18.04.2016
(73) Crown Equipment Corporation	(51) B82Y 5/00	(33) United States of America
(72) CASTANEDA, Anthony, T.	A61K 49/10	(51) B82Y 25/00
CLAPP, James, E.	A61K 51/04	G01D 5/16
THOBE, Nicholas, D.	A61K 51/08	G01R 33/00
ADDISON, Mark, E.	A61K 101/02	G01R 33/06
SCHNIPKE, Eric, L.	(11) EP2651411	G01R 33/09
(31) 201562140819 P	(21) EP11847956.7	(11) EP3333549
201562246225 P	(47) 16.09.2020	(21) EP17203061.1
(32) 31.03.2015	(87) US2011064407	(47) 16.09.2020
26.10.2015	21.06.2012	(22) 22.11.2017
(33) United States of America	(22) 12.12.2011	(54) MAGNETOMETRIC SENSOR
United States of America	(54) METHODS AND COMPOSITIONS	(73) Kabushiki Kaisha Tokai Rika Denki
(51) B67D 1/00	FOR IMPROVED F-18 LABELING OF	Seisakusho
B67D 1/08	PROTEINS, PEPTIDES AND OTHER	(72) SATO, Yoshihiko
(11) EP3402735	MOLECULES	(31) 2016240418
(21) EP17700341.5	(73) Immunomedics, Inc.	(32) 12.12.2016
(47) 16.09.2020	(72) D'SOUZA, Christopher, A.	(33) Japan
(87) EP2017050562	MCBRIDE, William, J.	(51) B82Y 25/00
20.07.2017	GOLDENBERG, David, M.	G11B 5/127
(22) 12.01.2017	(31) 422258 P	G11B 5/133
(54) CARTRIDGE HOUSING FOR A	201161479660 P	G11B 5/31
BEVERAGE OR FOOD CARTRIDGE	201161492613 P	H01F 1/00
(73) Freezio AG	201161523668 P	(11) EP3072137
(72) KRÜGER, Marc	201161540248 P	(21) EP14809956.7
EMPL, Günter	201161547434 P	(47) 16.09.2020
FISCHER, Daniel	201113309714	(87) GB2014053412
(31) 102016200254	(32) 13.12.2010	28.05.2015
102016212012	27.04.2011	(22) 19.11.2014
102016212013	02.06.2011	(54) ELECTROMAGNETIC DATA STORAGE
102016218507	15.08.2011	DEVICES
102016218509	28.09.2011	(73) Peacekeeper (International) Ltd.
102016218884	14.10.2011	(72) BINNS, Christopher
(32) 12.01.2016	02.12.2011	BINNS, David
01.07.2016	(33) United States of America	KINMONT, John
01.07.2016	United States of America	(31) 201320414
27.09.2016	United States of America	(32) 19.11.2013
27.09.2016	United States of America	(33) United Kingdom
29.09.2016	United States of America	(51) B82Y 30/00
(33) Germany	United States of America	B82Y 40/00
Germany	United States of America	B22F 1/00
Germany	(51) B82Y 20/00	B22F 1/02
Germany	G01J 3/02	B22F 7/04
Germany	G01J 3/12	B22F 9/30
Germany	G01J 3/44	C09D 1/00
(51) B81C 1/00	G01N 15/10	C09D 5/24
G01F 1/684	G01N 15/14	H01B 1/00
G01F 1/692	G01N 21/64	H01B 1/02
G01F 1/698	G01N 21/65	H01B 1/22
H01L 21/56	G02B 5/00	H01B 5/00
H01L 23/00	G02B 5/20	H01B 5/14
H01L 23/31	G02B 21/06	H01B 13/00
H01L 23/495	G02B 21/16	H05K 1/09

H05K 3/12	NAKAMURA, Atsushi	C11D 7/10
C09D 11/52	OGAMI, Takaaki	C22B 43/00
C09D 7/40	(31) 2015064613	A62D 3/30
(11) EP2803430	2015065940	A62D 3/32
(21) EP13735901.4	2015178162	A62D 3/38
(47) 16.09.2020	2015178163	A62D 101/43
(87) JP2013050048	(32) 26.03.2015	(11) EP2950895
18.07.2013	27.03.2015	(21) EP14746126.3
(22) 07.01.2013	10.09.2015	(47) 16.09.2020
(54) METHOD FOR PRODUCING	10.09.2015	(87) US2014013174
SILVER NANOPARTICLES, SILVER	(33) Japan	07.08.2014
NANOPARTICLES, AND SILVER	Japan	(22) 27.01.2014
COATING COMPOSITION	Japan	(54) METHOD OF MERCURY
(73) National University Corporation	Japan	DECONTAMINATION
Yamagata University	(51) C01B 33/18	(73) Exkal Limited
Daicel Corporation	C08K 3/26	(72) KEATCH, Richard
(72) KURIHARA, Masato	C08K 3/36	(31) 201361757961 P
OKAMOTO, Kazuki	C08K 9/06	(32) 29.01.2013
IGUCHI, Yuki	C09C 1/02	(33) United States of America
(31) 2012002895	C09C 1/30	(51) C01G 23/00
(32) 11.01.2012	D21H 17/67	(11) EP3138815
(33) Japan	D21H 17/68	(21) EP15785321.9
(51) B82Y 30/00	D21H 19/38	(47) 16.09.2020
B82Y 40/00	D21H 19/40	(87) JP2015057085
C30B 7/08	(11) EP3498782	05.11.2015
C30B 29/48	(21) EP17306749.7	(22) 11.03.2015
C30B 29/60	(47) 16.09.2020	(54) PROCESS FOR PRODUCING
H01L 31/0296	(22) 12.12.2017	POTASSIUM TITANATE
H01L 31/032	(54) PREPARATION OF SILICA-COATED	(73) Toho Titanium Co., Ltd.
H01L 31/0352	CALCIUM CARBONATES WITH	(72) NAKASHIMA, Mamoru
H01L 33/18	INCREASED SURFACE AREA AND	SAKAI, Hideki
(11) EP2633102	MESOPOROSITY AND SILICA	TAKI, Daisuke
(21) EP11782179.3	HOLLOW SHELLS OBTAINED FROM	(31) 2014092275
(47) 16.09.2020	THEM	(32) 28.04.2014
(87) FR2011000570	(73) IMERTECH SAS	(33) Japan
03.05.2012	(72) Jakob, Alexandra	(51) C01G 31/00
(22) 24.10.2011	(51) C01C 1/04	C01G 45/00
(54) COLLOIDAL NANOSHEETS and their	(11) EP3129324	C01G 49/00
use	(21) EP14815578.1	H01M 4/62
(73) Nexdot	(47) 16.09.2020	H01M 4/485
(72) MAHLER, Benoit	(87) EP2014003315	H01M 4/505
ITHURRIA, Sandrine	18.06.2015	H01M 4/58
(31) 1004175	(22) 11.12.2014	H01M 10/052
(32) 25.10.2010	(54) METHOD FOR PREPARATION OF	(11) EP2634845
(33) France	AMMONIA GAS AND CO2 FOR A UREA	(21) EP12157429.7
(51) C01B 25/45	SYNTHESIS PROCESS	(47) 16.09.2020
C01B 33/20	(73) thyssenkrupp AG	(22) 29.02.2012
H01M 4/04	(72) MEISSNER, Christoph	(54) Coating and lithiation of inorganic
H01M 4/36	KROTOV, Denis	oxidants by reaction with lithiated
H01M 4/62	VON MORSTEIN, Olaf	reductants
H01M 4/136	KRÜGER, Matthias, Patrick	(73) Belenos Clean Power Holding AG
H01M 4/1397	(31) 102013113980	(72) Waechter, Florian
H01M 4/58	(32) 12.12.2013	Nesper, Reinhard
H01M 10/052	(33) Germany	(51) C02F 1/28
H01M 10/0525	(51) C01D 15/00	C02F 1/32
H01M 10/054	C01D 15/08	C02F 1/44
(11) EP3276712	(11) EP2560920	C02F 1/461
(21) EP15886443.9	(21) EP10850386.3	C02F 1/48
(47) 16.09.2020	(47) 16.09.2020	C02F 1/66
(87) JP2015076386	(87) US2010032213	E03B 3/28
29.09.2016	27.10.2011	(11) EP3275843
(22) 17.09.2015	(22) 23.04.2010	(21) EP17174419.6
(54) SECONDARY BATTERY POSITIVE-	(54) A PROCESS FOR MAKING LITHIUM	(47) 16.09.2020
ELECTRODE ACTIVE MATERIAL AND	CARBONATE FROM LITHIUM	(22) 05.06.2017
METHOD FOR PRODUCING SAME	CHLORIDE	(54) WATER QUALITY OPTIMIZATION
(73) Taiheiyo Cement Corporation	(73) TerraLithium LLC	SYSTEM
(72) YAMASHITA, Hiroki	(72) HARRISON, Stephen	(73) Ng, Tat Yung
HATSUMORI, Tomoki	(51) C01G 13/00	(72) Ng, Tat Yung

(31) 201620795567 U	(51) C03C 3/066	(54) METHOD FOR TREATING CEMENT
(32) 26.07.2016	C03C 8/04	KILN EXHAUST GAS
(33) China	C03C 8/16	(73) Mercury Capture Intellectual Property, LLC
(51) C02F 1/28	C03C 17/00	(72) LESNIAK, Thomas
C02F 1/42	H01L 51/52	POLING, Christopher
C02F 1/70	H01L 51/56	D'AMICO, Peter
C02F 1/72	H05B 33/22	(31) 360980 P
C02F 1/76	(11) EP3022783	373299 P
C02F 9/00	(21) EP14827099.4	(32) 02.07.2010
(11) EP3562788	(47) 16.09.2020	13.08.2010
(21) EP17837914.5	(87) KR2014006436	(33) United States of America
(47) 16.09.2020	22.01.2015	United States of America
(87) SI2017050002	(22) 16.07.2014	
05.07.2018	(54) LAMINATE FOR LIGHT EMITTING	(51) C04B 14/00
(22) 14.11.2017	DEVICE AND PROCESS OF	(11) EP3046885
(54) METHOD FOR THE POTABILIZATION	PREPARING SAME	(21) EP14845087.7
OF EFFLUENTS FROM BIOLOGICAL	(73) SAINT-GOBAIN GLASS FRANCE	(47) 16.09.2020
WWTPS	(72) HAN, Jin-Woo	(87) US2014055820
(73) Institut "Jozef Stefan"	LEE, Young-Seong	26.03.2015
Zavod za Gradbenistvo Slovenije	(31) 20130084314	(22) 16.09.2014
(72) MLADENOVIC, Ana	(32) 17.07.2013	(54) CEMENT GRINDING ADDITIVE FOR
OPRCKAL, Primoz	(33) Korea (Republic)	ENABLING PVC EQUIPMENT USE
MILACIC, Radmila	(51) C03C 3/087	(73) GCP Applied Technologies Inc.
SCANCAR, Janez	C03C 3/091	(72) JARDINE, Leslie A.
VIDMAR, Janja	C03C 3/093	CHEUNG, Josephine H.
SEVER SKAPIN, Andrijana	(11) EP2668141	(31) 201361879178 P
NADRAH, Peter	(21) EP12702935.3	201462031555 P
MAUKO PRANJIC, Alenka	(47) 16.09.2020	(32) 18.09.2013
SPRINZER, Mirko	(87) US2012022519	31.07.2014
(31) 201600313	02.08.2012	(33) United States of America
(32) 27.12.2016	(22) 25.01.2012	United States of America
(33) Slovenia	(54) GLASS COMPOSITIONS HAVING HIGH	(51) C04B 24/12
(51) C02F 3/32	THERMAL AND CHEMICAL STABILITY	C04B 28/04
C02F 11/02	(73) Corning Incorporated	C04B 40/00
C12N 1/12	(72) ELLISON, Adam James	C04B 103/14
C02F 11/12	KICZENSKI, Timothy J	(11) EP3109216
(11) EP3198000	(31) 201161435987 P	(21) EP15001837.2
(21) EP15844028.9	(32) 25.01.2011	(47) 16.09.2020
(47) 16.09.2020	(33) United States of America	(22) 22.06.2015
(87) US2015052454	(51) C03C 27/00	(54) HARDENING AND SETTING
31.03.2016	H01L 21/50	ACCELERATOR FOR HYDRAULIC
(22) 25.09.2015	H01L 21/56	BINDING AGENTS
(54) DIGESTION OF WASTE ACTIVATED	H01L 51/52	(73) HeidelbergCement AG
SLUDGE WITH ALGAE	(11) EP3468933	(72) Nied, Dominik
(73) Ovivo Inc.	(21) EP17735402.4	Zajac, Maciej
The University of Akron	(47) 16.09.2020	(51) C04B 35/106
(72) JU, Lu-Kwang	(87) EP2017064615	C04B 35/119
TRIVEDI, Hiren, K.	21.12.2017	C04B 35/626
(31) 201462056341 P	(22) 14.06.2017	(11) EP3371129
(32) 26.09.2014	(54) METHOD AND DEVICE FOR	(21) EP16794245.7
(33) United States of America	ENCAPSULATING COMPONENTS	(47) 16.09.2020
(51) C03B 23/023	(73) Gross, Leander Kilian	(87) EP2016076495
C03B 29/08	Gross, Mascha Elly	11.05.2017
C03B 35/20	(72) GROSS, Harald	(22) 03.11.2016
(11) EP3573932	(31) 102016110868	(54) SINTERED ZIRCONIA MULLITE
(21) EP18701412.1	(32) 14.06.2016	REFRACTORY COMPOSITE
(47) 16.09.2020	(33) Germany	MATERIAL, METHOD FOR THE
(87) EP2018050620	(51) C04B 7/36	PRODUCTION THEREOF AND USE OF
02.08.2018	C04B 7/43	THE SAME
(22) 11.01.2018	F27D 17/00	(73) IMERTECH SAS
(54) METHOD FOR BENDING A GLASS	H01B 1/04	(72) BOUCHETOU, Marie-Laure
PANE	(11) EP2583286	JOUBERT, Olivier
(73) SAINT-GOBAIN GLASS FRANCE	(21) EP11801474.5	POIRIER, Jacques
(72) KRONHARDT, Heinrich	(47) 16.09.2020	WEISSENBACHER, Michael
SCHULZ, Valentin	(87) US2011042749	(31) 102015119053
(31) 17153726	05.01.2012	(32) 05.11.2015
(32) 30.01.2017	(22) 01.07.2011	(33) Germany
(33) European Patent Office (EPO)		(51) C04B 37/02

C04B 38/00	F41A 19/39	(22) 25.06.2013
(11) EP3070072	F41A 19/52	(54) RADICALLY CURABLE COMPOUND,
(21) EP16159113.6	F42B 3/10	METHOD FOR PRODUCING
(47) 16.09.2020	F42C 7/12	RADICALLY CURABLE COMPOUND,
(22) 08.03.2016	F42D 1/04	RADICALLY CURABLE COMPOSITION,
(54) JOINED BODY, HONEYCOMB	(11) EP3294691	CURED PRODUCT THEREOF,
STRUCTURE AND METHOD FOR	(21) EP16793485.0	AND COMPOSITION FOR RESIST
PRODUCING JOINED BODY	(47) 16.09.2020	MATERIAL
(73) NGK Insulators, Ltd.	(87) US2016031946	(73) DIC Corporation
(72) IZUMI, Yunie	(31) 201562160040 P	(72) IMADA, Tomoyuki
KOBAYASHI, Yoshimasa	(22) 12.05.2016	KAGE, Takakazu
(31) 2015057671	(54) FIRING DEVICE	SHIN, Dongmi
(32) 20.03.2015	(73) CGS Group, LLC	(31) 2012164813
(33) Japan	(72) PARKER, Joshua J.	(32) 25.07.2012
(51) C04B 41/00	(31) 201562160040 P	(33) Japan
(11) EP3112331	(32) 12.05.2015	(51) C07C 41/34
(21) EP15174326.7	(33) United States of America	C08G 65/30
(47) 16.09.2020	(51) C07C 29/147	(11) EP3083757
(22) 29.06.2015	C07C 51/09	(21) EP14812257.5
(54) A METHOD FOR MANUFACTURING	C07C 57/04	(47) 16.09.2020
A LAYERED TILE AND A PRODUCT	C07C 67/00	(87) EP2014077949
OBTAINED WITH SAID METHOD	C07C 67/03	25.06.2015
(73) MBI Group B.V.	C07C 69/54	(22) 16.12.2014
(72) BETTONVIL, Marcelis Martinus	C07D 301/02	(54) METHOD FOR THE TREATMENT OF
Johannes Henry	C07D 305/12	ALKALINE POLYETHER POLYOLS
MOLLINK, Wilhelmus Antonius Gerardes	C07D 307/60	(73) Covestro Intellectual Property GmbH &
(51) C04B 41/85	C08G 63/78	Co. KG
F01N 3/28	(11) EP3256443	(72) LORENZ, Klaus
D04H 1/4209	(21) EP16750012.3	MÁRQUEZ BENITEZ, Marco Antonio
D04H 1/46	(47) 16.09.2020	(31) 13198081
D04H 1/645	(87) US2016017861	(32) 18.12.2013
(11) EP2985435	18.08.2016	(33) European Patent Office (EPO)
(21) EP14782882.6	(22) 12.02.2016	(51) C07C 67/54
(47) 16.09.2020	(54) FLEXIBLE CHEMICAL PRODUCTION	C07C 67/60
(87) JP2014059985	PLATFORM	C07C 67/62
16.10.2014	(73) Novomer, Inc.	C07C 69/54
(22) 04.04.2014	(72) SOOKRAJ, Sadesh H.	C07C 69/653
(54) HOLDING SEAL MEMBER, METHOD	(31) 201562116234 P	(11) EP3333150
FOR PRODUCING HOLDING SEAL	(32) 13.02.2015	(21) EP16835120.3
MEMBER, AND EXHAUST GAS	(33) United States of America	(47) 16.09.2020
PURIFICATION DEVICE	(51) C07C 29/151	(87) JP2016073208
(73) Ibsiden Co., Ltd.	C07C 29/152	16.02.2017
(72) KUMANO Keiji	C07C 29/154	(22) 05.08.2016
OKABE Takahiko	C07C 31/04	(54) METHOD FOR PURIFYING ACRYLIC
(31) 2013084291	(11) EP3402772	ACID DERIVATIVE
(32) 12.04.2013	(21) EP16816361.6	(73) Daikin Industries, Ltd.
(33) Japan	(47) 16.09.2020	(72) MATSUURA, Makoto
(51) C05B 17/00	(87) GB2016053960	KISHIKAWA, Yosuke
C05F 1/00	20.07.2017	YOSHIYAMA, Asako
C05F 1/02	(22) 16.12.2016	(31) 2015157787
C05G 5/12	(54) METHANOL PROCESS	(32) 07.08.2015
(11) EP3015443	(73) Johnson Matthey Davy Technologies	(33) Japan
(21) EP15191476.9	Limited	(51) C07C 69/40
(47) 16.09.2020	(72) YIU, Kar Chi	C08J 3/02
(22) 26.10.2015	(31) 201600794	C08K 5/10
(54) METHOD FOR PRODUCING AN	(32) 15.01.2016	(11) EP3436513
ORGANIC FERTILISER COMPOSITION	(33) United Kingdom	(21) EP17776015.4
USING FEATHERS, ASSOCIATED	(51) C07C 37/20	(47) 16.09.2020
DEVICE, FERTILISER COMPOSITION	C07C 67/14	(87) TH2017000028
OBTAINED	C07C 69/54	05.10.2017
(73) L.T.L.	C08F 20/30	(22) 29.03.2017
(72) LABORDE, Alain, Marie-Pierre	C08G 8/30	(54) COALESCING AGENT DERIVED FROM
TOULOUSE, Dominique	C09D 4/00	SUCCINATE ESTER
(31) 1460346	(11) EP2878591	(73) PTT Global Chemical Public Company
(32) 28.10.2014	(21) EP13822504.0	Limited
(33) France	(47) 16.09.2020	(72) PIMOLSIRIPHOL, Vorapong
(51) C06C 5/06	(87) JP2013067344	PRAI-IN, Yingrak
F41A 17/46	30.01.2014	PANYATHANMAPORN, Thammarat

(31) 1601001806	28.12.2017	(21) EP13726841.3
(32) 29.03.2016	(22) 15.05.2017	(47) 16.09.2020
(33) Thailand	(54) VANADIUM COMPOUND, STARTING	(87) GB2013051449
(51) C07C 69/72	MATERIAL FOR THIN FILM	05.12.2013
C08G 12/00	FORMATION, AND METHOD FOR	(22) 31.05.2013
C08G 73/00	PRODUCING THIN FILM	(54) METHOD AND CATALYST FOR
(11) EP3154929	(73) Adeka Corporation	SYNTHESISING AZIRIDINE
(21) EP15782611.6	(72) OKABE, Makoto	(73) University of East Anglia
(47) 16.09.2020	NISHIDA, Akihiro	(72) BEW, Sean Patrick
(87) US2015026923	YOSHINO, Tomoharu	THURSTON, Sean Michael
29.10.2015	(31) 2016123398	PESCE, Paolo
(22) 21.04.2015	(32) 22.06.2016	(31) 201209840
(54) METHOD OF PREPARING A FOAM	(33) Japan	(32) 01.06.2012
(73) Firestone Building Products Company, LLC	(51) C07C 329/04	(33) United Kingdom
(72) TRUMBO, David	C07C 331/20	(51) C07D 211/58
KROGMAN, Nick	C07C 331/22	C07D 211/94
NELSON, Daniel	C07C 331/30	(11) EP3497081
(31) 201461982142 P	C07C 333/04	(21) EP17754611.6
(32) 21.04.2014	C07C 333/06	(47) 16.09.2020
(33) United States of America	C07C 333/08	(87) EP2017000968
(51) C07C 211/54	C07C 335/08	15.02.2018
C07C 217/92	C07C 335/10	(22) 10.08.2017
G03G 5/06	C07C 335/14	(54) PROCESS FOR PREPARING
(11) EP3415495	C07C 335/16	4-AMMONIUM-2,2,6,6-
(21) EP17750287.9	(11) EP3363785	TETRAALKYLPIPERIDINYL SALTS
(47) 16.09.2020	(21) EP18162365.3	(73) Jenabatteries GmbH
(87) JP2017004586	(47) 16.09.2020	(72) SCHUBERT, Ulrich, Sigmar
17.08.2017	(22) 28.02.2014	JANOSCHKA, Tobias
(22) 08.02.2017	(54) ISOTHIOCYANATE PRODUCTION	MARTIN, Norbert
(54) TRIPHENYLAMINE DERIVATIVE, CHARGE TRANSPORT MATERIAL PRODUCED USING SAME, AND ELECTROPHOTOGRAPHIC PHOTORECEPTOR	METHODS	HAGER, Martin
(73) Takasago International Corporation	(73) Asahi Kasei Kabushiki Kaisha	(31) 102016009904
(72) NAKAMURA Junji	(72) SHINOHATA, Masaaki	(32) 12.08.2016
(31) 2016022109	KOSUGI, Yuji	(33) Germany
(32) 08.02.2016	MIYAKE, Nobuhisa	(51) C07D 231/12
(33) Japan	(31) 2013042863	C07D 401/04
(51) C07C 215/50	2013042867	C07D 401/12
C08G 59/50	(32) 05.03.2013	C07D 401/14
C08L 63/00	05.03.2013	C07D 403/12
C09D 163/00	(33) Japan	C07D 405/14
(11) EP3274329	Japan	C07D 409/14
(21) EP16714323.9	(51) C07C 407/00	C07D 417/12
(47) 16.09.2020	C07C 409/14	C07D 471/04
(87) EP2016056362	(11) EP3327003	C07D 491/052
29.09.2016	(21) EP18151028.0	(11) EP3315492
(22) 23.03.2016	(47) 16.09.2020	(21) EP16814372.5
(54) COLD CURING EPOXY RESIN PRIMER OR ADHESIVE	(22) 06.06.2014	(47) 16.09.2020
(73) Sika Technology AG	(54) PROCESS FOR CONCENTRATING	(87) JP2016068445
(72) KASEMI, Edis	A MIXTURE CONTAINING ORGANIC	29.12.2016
KRAMER, Andreas	HYDROPEROXIDE	(22) 22.06.2016
STADELMANN, Ursula	(73) ExxonMobil Chemical Patents Inc.	(54) PYRAZOLE DERIVATIVE, OR
BURCKHARDT, Urs	DAVIS, Jason D.	PHARMACEUTICALLY ACCEPTABLE
(31) 15160411	BECKER, Christopher L.	SALT THEREOF
(32) 23.03.2015	REINE, Travis A.	(73) Kissei Pharmaceutical Co., Ltd.
(33) European Patent Office (EPO)	PATEL, Bryan A.	(72) HIRASAWA, Hideaki
(51) C07C 251/08	(31) 201361841072 P	TANADA, Fumiya
C07F 9/00	13183958	MUTAI, Yousuke
C23C 16/18	(32) 28.06.2013	FUSHIMI, Nobuhiko
H01L 21/285	11.09.2013	KOBAYASHI, Junichi
(11) EP3476827	(33) United States of America	KIJIMA, Yoshiro
(21) EP17815056.1	European Patent Office (EPO)	(31) 2015126046
(47) 16.09.2020	(51) C07D 203/02	(32) 23.06.2015
(87) JP2017018235	C07D 203/08	(33) Japan
	C07D 203/14	(51) C07D 239/80
	C07D 203/18	(11) EP2686305
	C07D 203/22	(21) EP12757352.5
	C07D 403/04	(47) 16.09.2020
	C07D 413/06	(87) US2012028698
	(11) EP2861559	20.09.2012

(22) 12.03.2012	(21) EP17730499.5	18.01.2013
(54) QUINAZOLINEDIONES AND THEIR USE	(47) 16.09.2020	(33) Japan
(73) Impact Therapeutics, Inc.	(87) EP2017065005	Japan
(72) LIU, Dong	28.12.2017	<hr/>
ZHANG, Minsheng	(22) 20.06.2017	(51) C07F 1/02
HE, Kan	(54) SINGLE STEP LACTIDE PRODUCTION	C07F 3/02
ZHANG, Lianshan	PROCESS WITH RECOVERY OF	C07F 5/02
(31) 201161452360 P	WATER BY DECANTATION	G03F 7/00
(32) 14.03.2011	(73) Total Research & Technology Feluy	G03F 7/029
(33) United States of America	(72) YAZDANPANA, Mahdi	G03F 7/035
<hr/>	CHAOUKI, Jamal	(11) EP3538532
(51) C07D 265/16	VAN WOUWE, Pieter	(21) EP17793675.4
C08G 73/06	SELS, Bert	(47) 16.09.2020
(11) EP3456709	(31) 16175257	(87) EP2017078416
(21) EP18183201.5	(32) 20.06.2016	07.06.2018
(47) 16.09.2020	(33) European Patent Office (EPO)	(22) 07.11.2017
(22) 22.10.2015	<hr/>	(54) PROCESS FOR THE
(54) BENZOXAZINE-BASED MONOMER	(51) C07D 403/14	MANUFACTURING OF TRIARVL-
FOR THERMOSETTING RESINS	C07D 471/04	ORGANO BORATES
(73) Cytec Industries Inc.	C07D 491/048	(73) Covestro Intellectual Property GmbH &
(72) GUPTA, RAM B.	C07D 495/04	Co. KG
COHEN, Martin	C09K 11/06	(72) RÖLLE, Thomas
GUPTA, Manav	H01L 51/00	SATYANARAYANA, Ganugapati
(31) 201462068806 P	(11) EP3483156	ROYCHOWDHURY, Sumana
(32) 27.10.2014	(21) EP18204400.8	PATIL, Ravindra, Mahadev
(33) United States of America	(47) 16.09.2020	PILLAI, Anup, Krishnnan, Appukuttan
<hr/>	(22) 05.11.2018	(31) 16197986
(51) C07D 307/68	(54) ORGANIC MOLECULES FOR USE IN	17185207
(11) EP3412662	OPTOELECTRONIC DEVICES	(32) 09.11.2016
(21) EP18181998.8	(73) CYNORA GMBH	08.08.2017
(47) 16.09.2020	(72) Danz, Michael	(33) European Patent Office (EPO)
(22) 10.06.2013	Arjona Esteban, Alhama	European Patent Office (EPO)
(54) ESTERIFICATION OF FURAN-2,5-	(31) 102017126064	<hr/>
DICARBOXYLIC ACID TO A DIALKYL-	102018113459	(51) C07F 5/02
FURAN-2,5-DICARBOXYLATE VAPOR	(32) 08.11.2017	C08F 2/50
WITH RECTIFICATION	06.06.2018	G03F 7/029
(73) Eastman Chemical Company	(33) Germany	(11) EP3538534
(72) Janka, Mesfin Ejerssa	Germany	(21) EP17804820.3
Parker, Kenny Randolph	(51) C07D 405/04	(47) 16.09.2020
Partin, Lee Reynolds	C07D 405/14	(87) EP2017078412
Shaikh, Ashfaq Shahanawaz	C07D 409/04	17.05.2018
(31) 201213530789	C07D 409/14	(22) 07.11.2017
(32) 22.06.2012	C07D 487/04	(54) PROCESS FOR THE
(33) United States of America	C07D 493/04	MANUFACTURING OF TRIARYL-ALKYL
<hr/>	C07F 9/6558	BORATES
(51) C07D 317/40	C07F 15/00	(73) Covestro Intellectual Property GmbH &
H01M 10/0567	C09K 11/06	Co. KG
H01G 11/64	G09F 9/30	(72) RÖLLE, Thomas
(11) EP3170814	H01L 51/00	BERNETH, Horst
(21) EP15822022.8	H01L 51/50	HÖNEL, Dennis
(47) 16.09.2020	H05B 33/14	BRUDER, Friedrich-Karl
(87) JP2015068019	(11) EP2930762	(31) 16197993
21.01.2016	(21) EP13861633.9	17192517
(22) 23.06.2015	(47) 16.09.2020	(32) 09.11.2016
(54) HIGH-PURITY VINYLENE CARBONATE,	(87) JP2013082333	22.09.2017
NONAQUEOUS ELECTROLYTIC	19.06.2014	(33) European Patent Office (EPO)
SOLUTION, AND ELECTRICITY	(22) 02.12.2013	European Patent Office (EPO)
STORAGE DEVICE INCLUDING SAME	(54) MATERIAL FOR ORGANIC	<hr/>
(73) UBE Industries, Ltd.	ELECTROLUMINESCENT ELEMENT,	(51) C07F 5/02
(72) ABE, Koji	ORGANIC ELECTROLUMINESCENT	G02F 1/1335
ITO, Akikazu	ELEMENT, ILLUMINATION DEVICE,	(11) EP3428171
SHIKITA, Shoji	AND DISPLAY DEVICE	(21) EP17763558.8
(31) 2014144374	(73) Konica Minolta, Inc.	(47) 16.09.2020
2014184642	(72) HATTORI, Takamune	(87) KR2017002494
(32) 14.07.2014	MIURA, Norio	14.09.2017
10.09.2014	ONO, Kaori	(22) 08.03.2017
(33) Japan	(31) 2012269292	(54) COMPOUND AND COLOR
<hr/>	2013007631	CONVERSION FILM COMPRISING
(51) C07D 319/12	(32) 10.12.2012	SAME
(11) EP3472143		(73) LG Chem, Ltd.
		(72) SUNG, Jiyeon

LEE, Hoyong	(31) 2016016455	HALLETT, Jason
SONG, Cheol Jun	(32) 29.01.2016	(31) 201021319
(31) 20160027736	(33) Japan	201109119
(32) 08.03.2016	(51) C07F 15/00	(32) 15.12.2010
(33) Korea (Republic)	C09K 11/06	27.05.2011
(51) C07F 7/08	H01L 51/00	(33) United Kingdom
C07F 9/00	(11) EP3502117	United Kingdom
C07F 15/02	(21) EP18212977.5	(51) C07K 1/14
C08K 5/00	(47) 16.09.2020	C12M 1/00
C08L 83/04	(22) 17.12.2018	G01N 33/48
C09D 183/04	(54) ORGANOMETALLIC COMPOUND,	(11) EP2970844
(11) EP3484899	ORGANIC LIGHT-EMITTING DEVICE	(21) EP14765191.3
(21) EP17735681.3	INCLUDING THE ORGANOMETALLIC	(47) 16.09.2020
(47) 16.09.2020	COMPOUND, AND DIAGNOSTIC	(87) US2014010604
(87) US2017036267	COMPOSITION INCLUDING THE	18.09.2014
18.01.2018	ORGANOMETALLIC COMPOUND	(22) 08.01.2014
(22) 07.06.2017	(73) Samsung Electronics Co., Ltd.	(54) DEVICE AND METHOD FOR
(54) METAL APROTIC	(72) CHOI, Jongwon	EXTRACTING A TARGETED FRACTION
ORGANOSILANOXIDE COMPOUND	CHO, Yongsuk	FROM A SAMPLE
(73) Dow Silicones Corporation	KOO, Hyun	(73) Wisconsin Alumni Research Foundation
(72) KLEYER, Don Lee	PARK, Bumwoo	(72) BEEBE, David, J.
LIU, Nanguo	LEE, Sunghun	BERRY, Scott, M.
SHEPHARD, Nick Evan	ISHIHARA, Shingo	(31) 201313804122
(31) 201662361773 P	KWAK, Yoonhyun	(32) 14.03.2013
(32) 13.07.2016	KWON, Ohyun	(33) United States of America
(33) United States of America	(31) 20170178740	(51) C07K 14/075
(51) C07F 7/08	(32) 22.12.2017	C12N 7/01
C08G 18/61	(33) Korea (Republic)	C12N 15/33
C08G 18/75	(51) C07F 17/00	A61K 35/761
C08G 77/458	C08F 4/69	(11) EP3359175
C09D 175/16	C08F 10/02	(21) EP16854254.6
(11) EP3470447	(11) EP2619234	(47) 16.09.2020
(21) EP18199408.8	(21) EP11761245.7	(87) US2016055579
(47) 16.09.2020	(47) 16.09.2020	13.04.2017
(22) 09.10.2018	(87) US2011052261	(22) 05.10.2016
(54) SILICON-CONTAINING COMPOUND,	29.03.2012	(54) SYNTHETIC ADENOVIRUSES WITH
URETHANE RESIN, STRETCHABLE	(22) 20.09.2011	TROPISM TO DAMAGED TISSUE FOR
FILM, AND METHOD FOR FORMING	(54) NOVEL CATALYST SYSTEMS	USE IN PROMOTING WOUND REPAIR
THE SAME	AND POLYMER RESINS HAVING	AND TISSUE REGENERATION
(73) Shin-Etsu Chemical Co., Ltd.	IMPROVED BARRIER PROPERTIES	(73) Salk Institute for Biological Studies
(72) Hatakeyama, Jun	(73) Chevron Phillips Chemical Company LP	(72) O'SHEA, Clodagh
Nonaka, Shiori	(72) ST JEAN, Guylaine	POWERS, Colin
Harada, Yuji	DING, Errun	ZHANG, Lei
Mitsui, Ryo	TSO, Chung Ching	(31) 201562237410 P
Watanabe, Osamu	YANG, Qing	(32) 05.10.2015
(31) 2017197255	MASINO, Albert P.	(33) United States of America
(32) 10.10.2017	MARTIN, Joel L.	(51) C07K 14/435
(33) Japan	(31) 890448	C07K 16/18
(51) C07F 9/50	(32) 24.09.2010	G01N 33/533
C07F 15/00	(33) United States of America	G01N 33/574
(11) EP3409681	(51) C07G 1/00	(11) EP2673293
(21) EP17744455.1	D21C 3/04	(21) EP12744613.6
(47) 16.09.2020	D21C 3/06	(47) 16.09.2020
(87) JP2017003116	D21C 3/14	(87) US2012024645
03.08.2017	D21C 3/20	16.08.2012
(22) 30.01.2017	D21C 5/00	(22) 10.02.2012
(54) N,N-BIS(2-	(11) EP2652193	(54) SURROGATES OF POST-
DIALKYLPHOSPHINOETHYL)AMINE-	(21) EP11811108.7	TRANSLATIONALLY MODIFIED
BORANE COMPLEX AND	(47) 16.09.2020	PROTEINS AND USES THEREOF
PRODUCTION METHOD	(87) GB2011001723	(73) President and Fellows of Harvard
THEREFOR, AND METHOD	21.06.2012	College
FOR PRODUCING RUTHENIUM	(22) 15.12.2011	(72) CHOREV, Michael
COMPLEX CONTAINING N,N-BIS(2-	(54) TREATMENT	HALPERIN, Jose, A.
DIALKYLPHOSPHINOETHYL)AMINE	(73) IP2IPO Innovations Limited	(31) 201161441575 P
AS LIGAND	(72) BRANDT, Agnieszka	(32) 10.02.2011
(73) Takasago International Corporation	MURPHY, Richard, J.	(33) United States of America
(72) NAKAYAMA, Yuji	LEAK, David, J.	(51) C07K 14/47
NAKAJIMA, Hikaru	WELTON, Tom	(11) EP3194599

(21) EP15781418.7	HILLERICH, Brandan, S.	CHAKRABARTY, Subhra Prakash
(47) 16.09.2020	GARFORTH, Scott, J.	DUBEY, Ashvini Kumar
(87) IB2015055752	ALMO, Steven, C.	KHAN, Amir
04.02.2016	(31) 201462013715 P	SHARMA, Ankurina
(22) 30.07.2015	(32) 18.06.2014	SHARMA, Rashmi
(54) METHOD FOR PRODUCTION OF MODIFIED CELLS EXPRESSING HOX AND MODIFIED CELLS OBTAINED BY THE METHOD	(33) United States of America	TIWARI, Anurag
(73) Dominici, Massimo	(51) C07K 14/775	KUMAR, Santosh
Candini, Olivia	C07K 16/18	PATEL, Shivani
(72) Dominici, Massimo	G01N 33/53	M, Nikitha
Candini, Olivia	G01N 33/574	(31) 201641012164
(31) MO20140227	G01N 33/68	(32) 06.04.2016
(32) 30.07.2014	(11) EP3267197	(33) India
(33) Italy	(21) EP16758903.5	(51) C07K 16/22
(51) C07K 14/47	(47) 16.09.2020	(11) EP3328886
C12N 5/10	(87) JP2016056190	(21) EP16748025.0
(11) EP3075846	09.09.2016	(47) 16.09.2020
(21) EP14866554.0	(22) 01.03.2016	(87) US2016044838
(47) 16.09.2020	(54) METHOD AND KIT FOR THE DETECTION OF PANCREATIC DYSFUNCTION	02.02.2017
(87) JP2014080904	(73) Toray Industries, Inc.	(22) 29.07.2016
04.06.2015	National Cancer Center	(54) HEAVY CHAIN ONLY ANTIBODIES TO ANG-2
(22) 21.11.2014	(72) KOBAYASHI Michimoto	(73) ALLERGAN, INC.
(54) CELL CULTURE MEDIUM AND CULTURE METHOD USING THE SAME	SANADA Mitsuaki	(72) LIANG, Yanbin
(73) Kaneka Corporation	SASAJIMA Yoshiyuki	GIL, Daniel W.
National Hospital Organization	JUNG Gimam	(31) 201562198518 P
(72) KATO Tomohisa	YAMADA Tesshi	201562205185 P
KANEMURA Yonehiro	HONDA Kazufumi	(32) 29.07.2015
SHOFUDA Tomoko	(31) 2015040580	14.08.2015
FUKUSUMI Hayato	(32) 02.03.2015	(33) United States of America
(31) 2013244758	(33) Japan	United States of America
(32) 27.11.2013	(51) C07K 16/00	(51) C07K 16/28
(33) Japan	C12N 15/10	(11) EP2762564
(51) C07K 14/50	C12N 15/13	(21) EP12835490.9
(11) EP2925775	C12N 15/85	(47) 16.09.2020
(21) EP13857983.4	(11) EP3440208	(87) JP2012006254
(47) 16.09.2020	(21) EP17722873.1	04.04.2013
(87) US2013071803	(47) 16.09.2020	(22) 28.09.2012
05.06.2014	(87) IB2017051990	(54) ION CONCENTRATION-DEPENDENT BINDING MOLECULE LIBRARY
(22) 26.11.2013	12.10.2017	(73) Chugai Seiyaku Kabushiki Kaisha
(54) COMPOSITIONS AND METHODS FOR TREATMENT OF METABOLIC DISORDERS AND DISEASES	(22) 06.04.2017	(72) IGAWA, Tomoyuki
(73) NGM Biopharmaceuticals, Inc.	(54) VECTORS FOR CLONING AND EXPRESSION OF PROTEINS, METHODS AND APPLICATIONS THEREOF	ISHII, Shinya
(72) LING, Lei	(73) Zumutor Biologics, Inc.	FUNAKI, Miho
LINDHOUT, Darrin, Anthony	(72) CHATTERJEE, Sohang	HIRONIIWA, Naoka
(31) 201261730777 P	RODRIGUES, Kavitha Iyer	SHIMIZU, Shun
201361887108 P	GHOSH, Malay	(31) 2011218006
201361893720 P	MAITY, Sunit	2012123479
(32) 28.11.2012	UNNIKRISHNAN, Divya	(32) 30.09.2011
04.10.2013	MUNIRAJU, Yogendra Manjunath	30.05.2012
21.10.2013	Bangalore	(33) Japan
(33) United States of America	MURUGESAN, Sathyabalan	Japan
United States of America	MUKUNDA, Pavithra	(51) C07K 16/28
United States of America	PRASAD, Bhargav	C07K 16/32
(51) C07K 14/74	KAMANAGOWDA, Veerasha	C07K 16/40
C12N 15/62	BHATTACHARJEE, Sanghamitra	(11) EP3204425
(11) EP3483179	DAKSHINAMURTHY, Pravin Kumar	(21) EP15790321.2
(21) EP18212805.8	HALAN, Vivek	(47) 16.09.2020
(47) 16.09.2020	SRINIVASAN, Sankaranarayanan	(87) US2015054651
(22) 15.06.2015	HORA, Anuradha	14.04.2016
(54) SYNTAC POLYPEPTIDES AND USES THEREOF	NATARAJAN, Bairavabalakumar	(22) 08.10.2015
(73) Albert Einstein College of Medicine	NAIR, Karthika	(54) GLYCOENGINEERED ANTIBODY DRUG CONJUGATES
(72) SEIDEL, Ronald, D., III	THANIGAIVEL, Aswini	(73) Genzyme Corporation
CHAPARRO, Rodolfo, J.	MALIWALAVE, Amol	(72) AVILA, Luis Z.
	SHENOY, Bharath Ravindra	ZHOU, Qun
	RAO, Sahana Bhima	(31) 201462061989 P
		(32) 09.10.2014
		(33) United States of America

- (51) C07K 16/28
G01N 33/574
G01N 33/577
- (11) EP2935329
(21) EP13814812.7
(47) 16.09.2020
(87) US2013075932
26.06.2014
(22) 18.12.2013
- (54) ANTIBODIES THAT BIND TO HUMAN PROGRAMMED DEATH LIGAND 1 (PD-L1)
(73) Merck Sharp & Dohme Corp.
(72) PIERCE, Robert, H.
BOURNE, Patricia
LIANG, Linda
BIGLER, Michael
(31) 201261745386 P
(32) 21.12.2012
(33) United States of America
-
- (51) C07K 16/40
C12N 9/12
(11) EP3536713
(21) EP19163949.1
(47) 16.09.2020
(22) 18.12.2014
(54) MONOCLONAL ANTI-TK1 ANTIBODIES
(73) Arocell AB
(72) ERIKSSON, Staffan
(31) 1351531
(32) 19.12.2013
(33) Sweden
-
- (51) C07K 19/00
C12N 9/10
C12N 9/12
C12N 9/14
C12N 9/40
C12Q 1/34
C12Q 1/48
G01N 33/58
G01N 33/68
(11) EP3337905
(21) EP16837414.8
(47) 16.09.2020
(87) US2016012356
23.02.2017
(22) 06.01.2016
(54) METHODS FOR MEASURING BINDING AND CELLULAR ENGAGEMENT OF LIGANDS WITH TARGET PROTEINS
(73) Eurofins DiscoverX Corporation
(72) TREIBER, Daniel, K.
MENICHELLI, Elena
(31) 201514830328
(32) 19.08.2015
(33) United States of America
-
- (51) C08F 2/48
C08F 230/08
C08F 290/06
C08G 77/20
G02B 1/04
(11) EP3466994
(21) EP17806493.7
(47) 16.09.2020
(87) JP2017019392
07.12.2017
(22) 24.05.2017
- (54) REACTIVE POLYSILOXANE AND POLYMERIZABLE COMPOSITION CONTAINING SAME
(73) Nissan Chemical Corporation
(72) NAGASAWA, Takehiro
KATO, Taku
SHUTO, Keisuke
(31) 2016107984
(32) 30.05.2016
(33) Japan
-
- (51) C08F 4/6592
C08F 10/02
C08F 210/16
(11) EP2857423
(21) EP13187513.0
(47) 16.09.2020
(22) 07.10.2013
(54) Catalyst system
(73) Arlanxeo Netherlands B.V.
(72) Berthoud, Alexandra
van Doremalee, Gerard
Quiroga Norambuena, Victor
Scott, Richard
-
- (51) C08F 12/08
C08F 212/08
C08F 220/12
C08L 33/08
H01M 4/04
H01M 4/62
H01M 4/13
H01M 4/131
H01M 4/133
H01M 10/0525
(11) EP3312918
(21) EP16811943.6
(47) 16.09.2020
(87) KR2016006395
22.12.2016
(22) 16.06.2016
(54) BINDER COMPOSITION FOR SECONDARY BATTERY, ELECTRODE USING SAME, AND LITHIUM SECONDARY
(73) LG Chem, Ltd.
(72) KANG, Min Ah
RYU, Dong Jo
CHOI, Cheol Hoon
HAN, Seon Hee
HAN, Hye Soo
(31) 20150085579
(32) 17.06.2015
(33) Korea (Republic)
-
- (51) C08F 220/06
C08F 220/14
C08F 220/18
C08F 220/30
C08F 220/56
C09J 4/06
(11) EP3077428
(21) EP14821346.5
(47) 16.09.2020
(87) US2014067354
11.06.2015
(22) 25.11.2014
(54) OPTICALLY CLEAR HIGH REFRACTIVE INDEX ADHESIVES
(73) 3M Innovative Properties Company
(72) SHERMAN, Audrey A.
- BRANIGAN, Margot A.
HAMER, Craig E.
BEHLING, Ross E.
AUGUSTINE, Thomas E.
BENSON, Karl E.
(31) 201361911658 P
(32) 04.12.2013
(33) United States of America
-
- (51) C08F 220/12
C08F 220/14
C08F 220/18
C08F 265/04
C08K 5/3415
C09J 133/08
(11) EP3380535
(21) EP16775422.5
(47) 16.09.2020
(87) US2016052735
01.06.2017
(22) 21.09.2016
(54) THERMALLY REVERSIBLE POLYMER CROSSLINKING FOR PRESSURE SENSITIVE ADHESIVES
(73) Rohm and Haas Company
(72) HIMMELBERGER, Daniel W.
EINSLA, Melinda L.
GRIFFITH, William B., Jr.
ROWE, Brandon W.
(31) 201562258936 P
(32) 23.11.2015
(33) United States of America
-
- (51) C08F 220/26
C08J 7/18
C08L 33/14
C08G 75/02
C08K 3/00
C08J 7/04
(11) EP3059278
(21) EP14864075.8
(47) 16.09.2020
(87) KR2014011324
28.05.2015
(22) 24.11.2014
(54) A PLASTIC FILM AND A METHOD FOR PREPARING THE SAME
(73) LG Chem, Ltd.
(72) PARK, Jin Young
JUNG, Soon Hwa
LEE, Han Na
CHANG, Yeong Rae
KANG, Joon Koo
JEONG, Hyeok
HER, Eun Kyu
(31) 20130143975
20140163754
(32) 25.11.2013
21.11.2014
(33) Korea (Republic)
Korea (Republic)
-
- (51) C08F 290/14
C08F 299/02
C08G 73/10
C08G 73/22
G03F 7/027
G03F 7/20
H01L 21/312
(11) EP3339352
(21) EP16878869.3

(47) 16.09.2020	C08G 18/81	C08G 63/78
(87) JP2016088305 29.06.2017	(11) EP3527598	(11) EP2814864
(22) 22.12.2016	(21) EP19155410.4	(21) EP13705973.9
(54) RESIN, COMPOSITION, CURED FILM, METHOD FOR MANUFACTURING CURED FILM AND SEMICONDUCTOR DEVICE	(47) 16.09.2020	(47) 16.09.2020
(73) FUJIFILM Corporation	(22) 05.02.2019	(87) EP2013053065 22.08.2013
(72) KAWABATA, Takeshi Iwai, Yu SHIBUYA, Akinori	(54) RADICALLY CURABLE ORGANOSILOXANE GRAFT POLYVINYL ALCOHOL POLYMER AND PROCESS FOR PRODUCING SAME	(22) 15.02.2013
(31) 2015254880	(73) Shin-Etsu Chemical Co., Ltd.	(54) PROCESS FOR PREPARING A HIGH MOLECULAR WEIGHT HETEROAROMATIC POLYESTER OR COPOLYESTER
(32) 25.12.2015	(72) Hagiwara, Mamoru	(73) Uhde Inventa-Fischer GmbH
(33) Japan	(31) 2018027320	(72) HESS, Christopher
(51) C08G 18/22	(32) 19.02.2018	PAETZ, Caspar
C08G 18/32	(33) Japan	(31) 102012003417
C08G 18/40	(51) C08G 59/32	(32) 17.02.2012
C08G 18/48	C08G 77/14	(33) Germany
C08G 18/58	C08G 77/455	(51) C08G 63/06
(11) EP3303431	C08G 77/52	C08J 9/00
(21) EP16723122.4	C08L 63/00	C08J 9/02
(47) 16.09.2020	C08L 83/10	(11) EP3555184
(87) EP2016061060	C08L 83/14	(21) EP17825570.9
01.12.2016	C09D 183/10	(47) 16.09.2020
(22) 18.05.2016	C09D 183/14	(87) FR2017053519 21.06.2018
(54) POLYURETHANE POLYISOCYANURATE COMPOUND WITH EXCELLENT MECHANICAL PROPERTIES	H01L 23/29	(22) 12.12.2017
(73) BASF SE	H01L 23/31	(54) THERMOSETTING ORGANIC FOAMS AND MANUFACTURING METHOD
(72) GOESCHEL, Julia BOKERN, Stefan STOLL, Ragner	(11) EP3228653	(73) SAINT-GOBAIN ISOVER
(31) 15169705	(21) EP17000568.0	(72) CHENAL, Marion SAVONNET, Marie
(32) 28.05.2015	(47) 16.09.2020	(31) 1662370
(33) European Patent Office (EPO)	(22) 05.04.2017	(32) 13.12.2016
(51) C08G 18/32	(54) RESIN COMPOSITION, RESIN FILM, METHOD FOR PRODUCING RESIN FILM, METHOD FOR PRODUCING SEMICONDUCTOR DEVICE, AND SEMICONDUCTOR DEVICE	(33) France
C08G 18/42	(73) Shin-Etsu Chemical Co., Ltd.	(51) C08G 63/183
C08G 18/66	(72) Kondo, Kazunori	C08G 63/91
C08G 18/76	Ichioka, Yoichiro	C08J 7/12
C09J 133/08	Sugo, Michihiro	D01F 6/62
C09J 133/10	(31) 2016075754	D06P 5/13
H01M 2/14	2016130354	(11) EP3353344
H01M 10/052	(32) 05.04.2016	(21) EP16849410.2
C09J 7/22	30.06.2016	(47) 16.09.2020
C09J 7/25	(33) Japan	(87) US2016052593 30.03.2017
(11) EP2922114	Japan	(22) 20.09.2016
(21) EP13854724.5	(51) C08G 59/66	(54) METHOD FOR DECOLORIZING TEXTILE MATERIALS
(47) 16.09.2020	C08G 65/333	(73) North Carolina State University
(87) KR2013010475 22.05.2014	C08G 65/334	(72) HINKS, David WANG, Guan FEI, Xiuzhu FREEMAN, Harold
(22) 18.11.2013	C08K 3/22	(31) 201562222993 P
(54) SWELLING TAPE FOR FILLING GAP	C08K 3/26	(32) 24.09.2015
(73) LG Chem, Ltd.	C08L 63/00	(33) United States of America
(72) PARK, Min Soo	C08L 71/02	(51) C08G 64/00
JUNG, Byung Kyu	C08L 75/08	C08J 3/12
HWANG, Yoon Tae	C09D 175/08	B29C 64/153
YANG, Se Woo	(11) EP3310837	B33Y 70/00
CHANG, Suk Ky	(21) EP16734806.9	(11) EP3526045
KIM, Sung Jong	(47) 16.09.2020	(21) EP17801127.6
HWANG, Ji Young	(87) US2016038228 22.12.2016	(47) 16.09.2020
KU, Cha Hun	(22) 17.06.2016	(87) US2017056194 19.04.2018
(31) 20120130478	(54) FLEXIBLE NON-CHROMATE CORROSION INHIBITIVE PRIMER	(22) 11.10.2017
(32) 16.11.2012	(73) PRC-Desoto International, Inc.	(54) CRYSTALLINE POLYCARBONATE POWDERS FOR POWDER
(33) Korea (Republic)	(72) ABRAMI, Siamanto	
(51) C08G 18/62	PACLIBAR, Elizabeth J.	
C08G 18/71	(31) 201562181854 P	
	(32) 19.06.2015	
	(33) United States of America	
	(51) C08G 63/00	

BED FUSION IN ADDITIVE MANUFACTURING	(54) METHOD FOR PRODUCING THERMALLY-CONDUCTIVE POLYSILOXANE COMPOSITION	F16L 58/10 F16L 58/18 (11) EP2799755
(73) SABIC Global Technologies B.V.	(73) Momentive Performance Materials Japan LLC	(21) EP14173213.1 (47) 16.09.2020
(72) PAI-PARANJAPE, Vandita MILOSKOVSKA, Elena JOFORE, Bruke FERNANDEZ CABELLO, Paul GU, Hao	(72) TANIGAWA, Eiji TAKANASHI, Masanori IIDA, Isao HIRAKAWA, Daigo TAKENAKA, Kenji	(22) 27.11.2007 (54) Nanocomposite coatings for threaded connections (73) Tenaris Connections B.V. (72) Carcagno Gabriel, Eduardo Endres, Klaus
(31) 201662406479 P (32) 11.10.2016 (33) United States of America	(31) 2015217951 2016144434	(31) 872615 P 914699 P 940690 P 846489
(51) C08G 69/26 C08G 69/28 C08J 3/20 C08K 7/14	(32) 05.11.2015 22.07.2016	(32) 01.12.2006 27.04.2007 29.05.2007 28.08.2007
(11) EP3529298 (21) EP17791015.5 (47) 16.09.2020 (87) EP2017076579 26.04.2018	(33) Japan Japan	(33) United States of America United States of America United States of America United States of America
(22) 18.10.2017	(51) C08J 5/04 C08J 5/24 C08J 9/04 C08L 61/06 C08L 63/10	
(54) SEMI-CRYSTALLINE SEMI-AROMATIC POLYAMIDE AND COMPOSITIONS COMPRISING THE SAME	(11) EP3165569 (21) EP14896670.8 (47) 16.09.2020	(51) C08K 3/22 C08K 5/098 C08K 5/20 C08K 5/3492 C08L 77/00
(73) DSM IP Assets B.V.	(87) CN2014093671 07.01.2016	(11) EP3530698 (21) EP17878983.0 (47) 16.09.2020 (87) JP2017040303 14.06.2018
(72) WOLFFS, Martin RULKENS, Rudy KIERKELS, Renier Henricus Maria	(22) 12.12.2014 (54) PREPREG AND FIBRE-REINFORCED COMPOSITE FOAM MATERIAL	(22) 08.11.2017 (54) FLAME-RETARDANT POLYAMIDE RESIN COMPOSITION AND MOLDED ARTICLE COMPRISING SAME
(31) 16194580 (32) 19.10.2016 (33) European Patent Office (EPO)	(73) Tang, Diyuan (72) LI, Zhifang	(73) Toray Industries, Inc. (72) HATTORI, Keiichi TOBO, Shori SHIBATA, Hiroshi
(51) C08J 3/05 C09D 183/08 C11D 1/66 C11D 1/72 C11D 3/37	(31) 201410309774 (32) 01.07.2014 (33) China	(31) 2016236645 (32) 06.12.2016 (33) Japan
(11) EP3177689 (21) EP15736277.3 (47) 16.09.2020 (87) EP2015065841 11.02.2016	(51) C08K 3/08 C08L 29/14 C09D 5/24 H01B 1/22 H01G 4/12 H01G 4/232 H01G 4/30	(51) C08K 5/00 C08K 5/09 C08K 5/098 C09D 4/00 C09D 5/02 C09G 1/14 C09G 1/16 C09D 7/47 C09D 7/63
(22) 10.07.2015	(11) EP3121829 (21) EP15764943.5 (47) 16.09.2020 (87) JP2015057692 24.09.2015	(31) 2016236645 (32) 06.12.2016 (33) Japan
(54) HARD SURFACE TREATMENT COMPOSITION	(54) ELECTROCONDUCTIVE PASTE	
(73) Unilever NV	(73) Sekisui Chemical Co., Ltd. (72) KOBAYASHI Hiroko YAMAUCHI Kenji MORIGUCHI Shintaro MIYAI Jiro	
(72) TAO, Qingsheng ZHOU, Yi		
(31) PCT/CN2014/083669 14185767 (32) 05.08.2014 22.09.2014 (33) World Intellectual Property Office (WIPO) European Patent Office (EPO)	(31) 2014058688 2014202342 (32) 20.03.2014 30.09.2014 (33) Japan Japan	(11) EP2220153 (21) EP08858258.0 (47) 16.09.2020 (87) CA2008002139 11.06.2009 (22) 04.12.2008
(51) C08J 3/20 C08K 9/06 C08K 9/08 C08L 83/04 C09C 3/12 C09K 5/14 H01L 23/36 H01L 23/373	(51) C08K 3/22 C08K 3/24 C08K 3/34 C08L 27/18 C09D 5/08 C09D 127/18 C09D 163/00 C09D 179/08 E21B 17/042	(54) FAST FILM FORMING WATER BASED BARRIER COATING (73) Retec International Inc. (72) DANDENAULT, François BAGHDAD DAIDS, Djamel BÉRUBÉ, Serge
(11) EP3372630 (21) EP16862141.5 (47) 16.09.2020 (87) JP2016082627 11.05.2017 (22) 02.11.2016		(31) 996814 P (32) 06.12.2007 (33) United States of America

- | | | |
|-------------------------------------|---------------------------------------|------------------------------------|
| (51) C08K 5/10 | (21) EP18760007.7 | (31) 201514612954 |
| C08K 5/52 | (47) 16.09.2020 | (32) 03.02.2015 |
| C09J 4/06 | (87) IB2018055300 | (33) United States of America |
| C09J 129/14 | 31.01.2019 | <hr/> |
| C09J 163/00 | (22) 17.07.2018 | (51) C09D 5/00 |
| C09J 183/06 | (54) COMPOSITIONS AND METHODS | C09D 7/00 |
| G06F 3/041 | OF MAKING A POLYMERIZED | (11) EP3561005 |
| (11) EP3361358 | COMPOSITION | (21) EP18169447.2 |
| (21) EP16853701.7 | (73) 3M Innovative Properties Company | (47) 16.09.2020 |
| (47) 16.09.2020 | (72) MAHONEY, Wayne S. | (22) 26.04.2018 |
| (87) JP2016079808 | CHAKRABORTY, Saswata | (54) AQUEOUS COATING MATERIAL |
| 13.04.2017 | JOLY, Guy D. | (73) DAW SE |
| (22) 06.10.2016 | ANIM-ADDO, Jonathan A. | (72) KAMMERER, Christian |
| (54) INTERLAYER FILLER MATERIAL FOR | (31) 201762536098 P | WASSERFALL-KNÖGLER, Eva-Maria |
| TOUCH PANELS, AND TOUCH PANEL | (32) 24.07.2017 | LASSACHER, Paul |
| LAMINATE | (33) United States of America | OTTENS, Stephan |
| (73) Sekisui Chemical Co., Ltd. | <hr/> | <hr/> |
| (72) FUKATANI, Juichi | (51) C08L 83/06 | (51) C09D 5/02 |
| UENOMACHI, Kiyomi | (11) EP2970667 | C09D 7/40 |
| OKABAYASHI, Takazumi | (21) EP14721588.3 | C09D 7/61 |
| EBINA, Ryouosuke | (47) 16.09.2020 | (11) EP3505575 |
| WADA, Atsushi | (87) US2014022975 | (21) EP17211218.7 |
| (31) 2015199740 | 25.09.2014 | (47) 16.09.2020 |
| (32) 07.10.2015 | (22) 11.03.2014 | (22) 29.12.2017 |
| (33) Japan | (54) EPOXY POLYSILOXANE RESIN | (54) COATING MATERIALS, COATINGS |
| <hr/> | COMPOSITIONS FOR COATINGS | MADE FROM THESE COATING |
| (51) C08K 5/13 | (73) SWIMC LLC | MATERIALS AND THEIR USE |
| C08K 5/521 | (72) CHAVAN, Vijay | (73) DAW SE |
| C08L 51/04 | TOMKO, Richard, F. | (72) BRENNER, Thomas |
| C08L 55/02 | RAO, Madhukar | WESTMEIER, Johannes |
| C08L 69/00 | DELANEY, Michael, L. | BÜCHNER, Doris |
| (11) EP3305848 | (31) 201313839682 | GROSSKOPF, Jan |
| (21) EP16799363.3 | (32) 15.03.2013 | <hr/> |
| (47) 16.09.2020 | (33) United States of America | (51) C09D 5/02 |
| (87) CN2016083630 | <hr/> | C09D 183/04 |
| 01.12.2016 | (51) C09C 1/36 | C09D 201/04 |
| (22) 27.05.2016 | C09C 3/06 | (11) EP3327097 |
| (54) POLYCARBONATE COMPOSITION | (11) EP3183301 | (21) EP16835115.3 |
| AND PREPARATION METHOD | (21) EP15745151.9 | (47) 16.09.2020 |
| THEREFOR | (47) 16.09.2020 | (87) JP2016073198 |
| (73) Kingfa Sci&Tech Co. Ltd. | (87) EP2015001537 | 16.02.2017 |
| (72) TIAN, Zhengyu | 25.02.2016 | (22) 05.08.2016 |
| SUN, Donghai | (22) 24.07.2015 | (54) COATING MATERIAL AND LAMINATE |
| CEN, Yin | (54) METHOD FOR COATING THE | (73) Daikin Industries, Ltd. |
| TONG, Wei | SURFACE OF INORGANIC PARTICLES | (72) KUBOTA, Kouji |
| XIE, Xiang | WITH SILICON DIOXIDE AND AT | OYA, Akiko |
| LIU, Xianwen | LEAST ONE OTHER INORGANIC | KAGAWA, Michiru |
| (31) 201510277672 | COMPOUND | NANBA, Yoshinori |
| (32) 27.05.2015 | (73) Kronos International, Inc. | YAMAGUCHI, Hiroki |
| (33) China | (72) BEYER, Norbert | (31) 2015157664 |
| <hr/> | FIDALGO-ESTEVEZ, Jud-Reginauld | (32) 07.08.2015 |
| (51) C08L 23/08 | FRAHM, Heiko | (33) Japan |
| C09D 123/08 | BLUEMEL, Siegfried | <hr/> |
| (11) EP3027699 | (31) 14002863 | (51) C09D 5/44 |
| (21) EP14786277.5 | (32) 18.08.2014 | C09D 163/00 |
| (47) 16.09.2020 | (33) European Patent Office (EPO) | C09D 175/04 |
| (87) IB2014063575 | <hr/> | (11) EP3415574 |
| 05.02.2015 | (51) C09D 5/00 | (21) EP17750169.9 |
| (22) 31.07.2014 | (11) EP3253829 | (47) 16.09.2020 |
| (54) COATING COMPOSITION FOR | (21) EP16705398.2 | (87) JP2017003905 |
| POLYESTER FILM | (47) 16.09.2020 | 17.08.2017 |
| (73) Polyplex Corporation Limited | (87) US2016016127 | (22) 03.02.2017 |
| (72) KOTHARI, Pranay | 11.08.2016 | (54) METHOD FOR PRODUCING CATIONIC |
| (31) 2288DE2013 | (22) 02.02.2016 | ELECTRODEPOSITION COATING |
| (32) 31.07.2013 | (54) METHOD OF FORMING A PASSIVATED | COMPOSITION |
| (33) India | PIGMENT SLURRY FOR AN AQUEOUS | (73) KANSAI PAINT CO., LTD. |
| <hr/> | TOPCOAT COATING COMPOSITION | (72) IJIMA, Hideki |
| (51) C08L 81/02 | (73) BASF Coatings GmbH | HANAOKA, Toshiyuki |
| G02B 1/04 | (72) CAMPBELL, Donald H. | (31) 2016021879 |
| C08G 75/045 | THANKI, Paragkumar | 201662295764 P |
| (11) EP3658609 | RATHOD, Rajesh | (32) 08.02.2016 |
| | | 16.02.2016 |

(33) Japan United States of America	(87) US2015065632 30.06.2016	EMBAUGH, David, F. WU, Gefei
(51) C09D 123/00	(22) 14.12.2015	(31) 201313916141
(11) EP3247755	(54) TACKIFIED ACRYLATE PRESSURE	(32) 12.06.2013
(21) EP16700185.8	SENSITIVE ADHESIVES WITH LOW	(33) United States of America
(47) 16.09.2020	ACID CONTENT	(51) C09K 8/524
(87) EP2016050261	(73) 3M Innovative Properties Company	(11) EP3469038
28.07.2016	(72) D'HAESE, Francois C.	(21) EP17731051.3
(22) 08.01.2016	D'HOLLANDER, Stijn	(47) 16.09.2020
(54) MULTI-STAGE POLYMERISATES	STEGMAIER, Petra M.	(87) US2017036550
CONTAINING AQUEOUS	VRANCKEN, Michel A.	14.12.2017
DISPERSIONS AND COATING	AIT LHADJ, Rachid M.	(22) 08.06.2017
COMPOSITIONS CONTAINING THEM	(31) 201462095397 P	(54) PARAFFIN SUPPRESSANT
(73) BASF Coatings GmbH	(32) 22.12.2014	COMPOSITIONS, AND METHODS OF
(72) CORTEN, Cathrin	(33) United States of America	MAKING AND USING
EIERHOFF, Dirk	(51) C09K 5/04	(73) Ecolab Usa Inc.
SCHNIEDERS, Britta	(11) EP2513244	(72) KUNDU, Kousik
FREITAG, Nicole	(21) EP10810942.2	MOLONEY, Jeremy
GRUMPE, Heinz-Ulrich	(47) 16.09.2020	(31) 201662348384 P
WESSLING, Elisabeth	(87) IB2010055863	(32) 10.06.2016
SCHWARZ, Joerg	23.06.2011	(33) United States of America
VIENENKÖTTER, Mechthild	(22) 16.12.2010	(51) C09K 8/528
WILM, Patrick	(54) METHOD USING HEAT-TRANSFER	E21B 37/06
(31) 15152001	FLUIDS HAVING REDUCED	E21B 49/08
(32) 21.01.2015	FLAMMABILITY	G01N 21/33
(33) European Patent Office (EPO)	(73) Arkema France	(11) EP3027704
(51) C09J 4/06	(72) ANDRE, David	(21) EP14746987.8
A61K 6/60	BOUSSAND, Béatrice	(47) 16.09.2020
A61K 6/887	RACHED, Wissam	(87) EP2014065857
(11) EP2979681	(31) 0959175	05.02.2015
(21) EP14775348.7	(32) 18.12.2009	(22) 23.07.2014
(47) 16.09.2020	(33) France	(54) CONCENTRATION DETERMINING
(87) JP2014001594	(51) C09K 5/06	METHOD AND SYSTEM
02.10.2014	F28D 20/00	(73) BP Exploration Operating Company
(22) 19.03.2014	(11) EP3155063	Limited
(54) CURABLE COMPOSITION	(21) EP15733817.9	(72) HURST, Shaun Raymond
(73) Kuraray Noritake Dental Inc.	(47) 16.09.2020	JONES, Roderic Lewis
(72) KASHIKI, Nobusuke	(87) FR2015051525	(31) 13178796
SUZUKI, Kenji	17.12.2015	(32) 31.07.2013
(31) 2013070195	(22) 10.06.2015	(33) European Patent Office (EPO)
(32) 28.03.2013	(54) PHOSPHATE-BASED MATERIALS	(51) C09K 11/02
(33) Japan	IN THERMAL-ENERGY STORAGE	C09K 11/61
(51) C09J 7/50	SYSTEMS	C09K 11/66
(11) EP3234052	(73) Association pour la Recherche et le	C09K 11/67
(21) EP15820364.6	Développement des Méthodes et	C09K 11/77
(47) 16.09.2020	Processus Industriels (ARMINES)	H01L 33/50
(87) US2015064605	ECOLE NATIONALE SUPERIEURE DES	F21K 9/64
23.06.2016	MINES D'ALBI-CARMAUX	F21K 99/00
(22) 09.12.2015	(72) NZIHOU, Ange	F21Y 107/00
(54) ADHESIVE ARTICLE COMPRISING	PHAM MINH, Doan	F21Y 115/10
A POLY(METH)ACRYLATE-BASED	SHARROCK, Patrick	F21V 3/04
PRIMER LAYER AND METHODS OF	(31) 1455398	F21V 9/30
MAKING SAME	(32) 13.06.2014	(11) EP2940747
(73) 3M Innovative Properties Company	(33) France	(21) EP13869816.2
(72) KLUGE, Bruce D.	(51) C09K 5/10	(47) 16.09.2020
LIU, Junkang J.	C23F 11/12	(87) JP2013084792
WRIGHT, Robin E.	(11) EP3008147	03.07.2014
DIETZ, Timothy M.	(21) EP14735065.6	(22) 26.12.2013
ISEMINGER, Melissa A.	(47) 16.09.2020	(54) WAVELENGTH CONVERSION
MITERA, Margaux B.	(87) US2014041527	MEMBER AND LIGHT-EMITTING
MANALO, Daniel O.	18.12.2014	DEVICE
(31) 201462094094 P	(22) 09.06.2014	(73) Shin-Etsu Chemical Co., Ltd.
(32) 19.12.2014	(54) EXTENDED OPERATION ENGINE	(72) TSUMORI Toshihiro
(33) United States of America	COOLANT COMPOSITION	MINOWA Takehisa
(51) C09J 133/08	(73) Valvoline Licensing and Intellectual	KANEYOSHI Masami
(11) EP3237568	Property LLC	WATAYA Kazuhiro
(21) EP15820397.6	(72) TURCOTTE, David, E.	(31) 2012287426
(47) 16.09.2020	MESZAROS, Ladislaus	(32) 28.12.2012

(33) Japan	(32) 22.12.2014	(54) ALPHA-OLEFIN ADSORPTION
(51) C09K 11/02	(33) European Patent Office (EPO)	INHIBITING LUBRICANT
C09K 11/62	(51) C10L 3/00	COMPOSITION, ADSORPTION
C09K 11/88	(11) EP3368641	INHIBITING METHOD AND
G02F 1/017	(21) EP16787383.5	ADSORPTION INHIBITOR
G02F 1/1335	(47) 16.09.2020	(73) Shell Internationale Research
G02F 1/13357	(87) EP2016075189	Maatschappij B.V.
H01L 27/32	04.05.2017	(72) TAZAKI, Hiroyuki
H01L 51/50	(22) 20.10.2016	NAGAKARI, Mitsuhiro
H01L 51/52	(54) ODORIZED METHANE FLUID AND	KANEKO, Hiroshi
(11) EP3254313	PROCESSES FOR PRODUCING	(31) 2014254765
(21) EP16704538.4	ODORIZED METHANE FLUIDS AND	(32) 17.12.2014
(47) 16.09.2020	THE USE THEREOF	(33) Japan
(87) EP2016000160	(73) Shell Internationale Research	(51) C11B 3/00
11.08.2016	Maatschappij B.V.	C12N 9/18
(22) 01.02.2016	(72) VAN DER VEER, Wouter Martinus	A23L 5/49
(54) ELECTRONIC ELEMENT AND DISPLAY	MACDONALD, Stuart Meredith	(11) EP3284820
(73) Merck Patent GmbH	(31) 15191521	(21) EP17189991.7
Yissum Research Development	(32) 26.10.2015	(47) 16.09.2020
Company of The Hebrew University of	(33) European Patent Office (EPO)	(22) 10.06.2010
Jerusalem Ltd.	(51) C10M 133/16	(54) METHOD FOR TREATING
(72) RIEGER, Bernhard	C10M 133/56	PYROPHEOPHYTIN-CONTAINING
BOEHM, Edgar	C10N 30/04	COMPOSITIONS
HILARIUS, Volker	C10N 30/06	(73) DuPont Nutrition Biosciences ApS
PFLUMM, Christof	C10N 40/04	(72) SØE, Jørn Borch
BANIN, Uri	C10N 40/25	POULSEN, Charlotte Horsmans
(31) 15000327	(11) EP3052599	ZARGAHI, Masoud Rajabi
15000619	(21) EP14784574.7	SØRENSEN, Jens Frisbæk
(32) 04.02.2015	(47) 16.09.2020	JØRGENSEN, Tina
04.03.2015	(87) US2014058253	BRUNSTEDT, Janne
(33) European Patent Office (EPO)	02.04.2015	MIKKELSEN, Rene
European Patent Office (EPO)	(22) 30.09.2014	MADRID, Susan Mampusti
(51) C09K 11/06	(54) METHOD OF FRICTION CONTROL	(31) 186525 P
H01L 51/50	(73) The Lubrizol Corporation	313193 P
(11) EP3389104	(72) SACCOMANDO, Daniel J.	(32) 12.06.2009
(21) EP16872910.1	DICKESS, Shawn	12.03.2010
(47) 16.09.2020	KOCSIS, Jody A.	(33) United States of America
(87) JP2016085886	DOHNER, Brent R.	United States of America
15.06.2017	(31) 201361884342 P	(51) C11D 1/22
(22) 02.12.2016	(32) 30.09.2013	C11D 1/37
(54) LIGHT EMITTING ELEMENT	(33) United States of America	C11D 1/83
(73) Sumitomo Chemical Company, Limited	(51) C10M 141/06	(11) EP3387098
(72) SASADA Toshiaki	C10M 169/04	(21) EP16801526.1
ASADA Kohei	C10N 10/02	(47) 16.09.2020
YOKOYA Seiichirou	C10N 10/04	(87) EP2016078993
OHUCHI Kazuei	C10N 10/12	15.06.2017
(31) 2015238662	C10N 30/06	(22) 28.11.2016
(32) 07.12.2015	C10N 40/02	(54) AQUEOUS COMPOSITION FOR
(33) Japan	C10N 40/25	CLEANING HARD SURFACES
(51) C10G 65/00	(11) EP2746372	(73) Unilever N.V.
C10G 65/10	(21) EP13199141.6	(72) DAGAONKAR, Manoj, Vilas
C10G 65/18	(47) 16.09.2020	GHOSH, Somnath
(11) EP3237582	(22) 20.12.2013	(31) 15199497
(21) EP15813782.8	(54) Additive compositions with plural friction	(32) 11.12.2015
(47) 16.09.2020	modifiers	(33) European Patent Office (EPO)
(87) EP2015079824	(73) Afton Chemical Corporation	(51) C11D 1/72
30.06.2016	(72) Loper, John T.	C11D 3/20
(22) 15.12.2015	Styer, Jeremy P.	C11D 3/37
(54) PROCESS FOR PRODUCING LPG AND	(31) 201213725446	C11D 11/00
BTX	(32) 21.12.2012	(11) EP3263681
(73) SABIC Global Technologies B.V.	(33) United States of America	(21) EP16176326.3
(72) OPRINS, Arno Johannes Maria	(51) C10M 169/04	(47) 16.09.2020
DAVIES, Andrew P	(11) EP3242924	(22) 27.06.2016
WARD, Andrew Mark	(21) EP15816713.0	(54) LIQUID ACIDIC HARD SURFACE
WONG, Kae Shin	(47) 16.09.2020	CLEANING COMPOSITIONS
ARAMBURO, Luis	(87) EP2015079638	PROVIDING IMPROVED TREATMENT
VAN IERSEL, Maikel	23.06.2016	OF METAL SURFACES
(31) 14199596	(22) 14.12.2015	(73) The Procter & Gamble Company

(72) ASMANIDOU, Anna NAUDIN, Coralie Paule Jeannine SCIALLA, Stefano UYTTERSROT, Jan-Sebastiaan	(22) 29.04.2011 (54) Incubator with multiple insertion and dispensing stations provided with means for transporting	(31) 10305603 (32) 04.06.2010 (33) European Patent Office (EPO)
(51) C11D 3/386 C12N 9/54	(73) Thermo Electron LED GmbH	(51) C12N 5/077 A61K 35/28
(11) EP3433360	(72) Heeg, Hubert	(11) EP1989295
(21) EP17709422.4	Czwak, Bernd	(21) EP07711561.6
(47) 16.09.2020	Schmidt, Bernd	(47) 16.09.2020
(87) EP2017055277	(31) 102010019776	(87) EP2007001360
28.09.2017	(32) 07.05.2010	23.08.2007
(22) 07.03.2017	(33) Germany	(22) 16.02.2007
(54) PROTEASES WITH IMPROVED ENZYME STABILITY IN DETERGENTS	(51) C12N 1/20 C12N 9/02 C12P 7/04	(54) A METHOD FOR OSTEOGENIC DIFFERENTIATION OF BONE MARROW STEM CELLS (BMSC) AND USES THEREOF
(73) Henkel AG & Co. KGaA	(11) EP3280808	(73) Université Libre de Bruxelles
(72) MUSSMANN, Nina	(21) EP16718940.6	(72) EGRISE, Dominique
O'CONNELL, Timothy	(47) 16.09.2020	GANGJI, Valérie
HERBST, Daniela	(87) US2016026445	HAUZEUR, Jean-Philippe
PRÜSER, Inken	13.10.2016	LAMBERMONT, Micheline
DEGERING, Christian	(22) 07.04.2016	TOUNGOUZ, Michel
GRIEMERT, Sabine	(54) GENETICALLY ENGINEERED E. COLI AND METHODS FOR IMPROVED CROTYL ALCOHOL PRODUCTION	(31) PCT/EP2006/001427 (32) 16.02.2006
EGGERT, Thorsten	(73) Genomatica, Inc.	(33) World Intellectual Property Office (WIPO)
LEGGEWIE, Christian	(72) CULLER, Stephanie J.	(51) C12N 7/00
(31) 102016204815	EAKLEY, Nicholas	(11) EP3400293
(32) 23.03.2016	HOFF, Kevin Gregory	(21) EP17701910.6
(33) Germany	OSTERHOUT, Robin E.	(47) 16.09.2020
(51) C12M 1/12 C12M 1/34 C12M 1/42 C12M 3/06 C12N 5/071	PHARKYA, Priti	(87) GB2017050036
(11) EP3140390	RALPH, Erik C.	13.07.2017
(21) EP15725487.1	VAN DIEN, Stephen	(22) 09.01.2017
(47) 16.09.2020	(31) 201562145290 P	(54) MODIFIED ONCOLYTIC VIRUS
(87) DE2015100183	(32) 09.04.2015	(73) Replimune Limited
12.11.2015	(33) United States of America	(72) COFFIN, Robert
(22) 07.05.2015	(51) C12N 5/074 C12N 5/077 C12N 5/0793	(31) 201600380 201600381 201600382
(54) SEMI-FINISHED PRODUCT AND DEVICE FOR THE IN VITRO PRODUCTION AND CULTURING OF CELL LAYERS	(11) EP3174975	(32) 08.01.2016 08.01.2016 08.01.2016
(73) Universitätsklinikum Jena	(21) EP15744592.5	(33) United Kingdom United Kingdom United Kingdom
Microfluidic ChipShop GmbH	(47) 16.09.2020	
(72) MOSIG, Alexander	(87) EP2015067724	
RENNERT, Knut	04.02.2016	
KLEMM, Richard Robert	(22) 31.07.2015	
GÄRTNER, Claudia	(54) METHOD FOR GENERATING NEURONAL AND MUSCULAR CELLS	(51) C12N 9/02 C12N 9/10 C12N 9/88 C12N 15/52 C12N 15/74 C12P 1/04 C12P 7/18 C12R 1/145
(31) 102014106423	(73) Université d'Aix-Marseille	(11) EP3230459
(32) 08.05.2014	Association Française contre les Myopathies	(21) EP15867841.7
(33) Germany	(72) BADJA, Cherif	(47) 16.09.2020
(51) C12M 1/34 G01N 27/22 G01N 33/487	MAGDINIER, Frédérique	(87) US2015064351
(11) EP2796539	(31) 14306229	16.06.2016
(21) EP14170428.8	(32) 31.07.2014	(22) 07.12.2015
(47) 16.09.2020	(33) European Patent Office (EPO)	(54) RECOMBINANT MICROORGANISMS EXHIBITING INCREASED FLUX THROUGH A FERMENTATION PATHWAY
(22) 24.07.2009	(51) C12N 5/074 C12N 5/0789 C12N 5/0797	(73) LanzaTech New Zealand Limited
(54) Disposable sensor device with electrodes manufactured by metal deposition	(11) EP2927313	(72) KOEPKE, Michael
(73) Hamilton Bonaduz AG	(21) EP15164742.7	MUELLER, Alexander Paul
(72) Ossart, Frédéric	(47) 16.09.2020	TRAN, Loan Phuong
(31) 0855138	(22) 03.06.2011	(31) 201462089053 P
(32) 25.07.2008	(54) METHODS FOR OBTAINING STEM CELLS	201562168969 P
(33) France	(73) Institut Pasteur	(32) 08.12.2014
(51) C12M 3/00	Centre National de la Recherche Scientifique (C.N.R.S.)	
(11) EP2385101	(72) Chrétien, Fabrice	
(21) EP11003535.9	Latil, Mathilde	
(47) 16.09.2020	Tajbakhsh, Shahragim	

01.06.2015	(51) C12P 7/50	201462033125 P
(33) United States of America	C12R 1/01	(32) 05.12.2013
United States of America	C12R 1/645	05.12.2013
(51) C12N 9/16	(11) EP3388525	06.12.2013
C12P 19/02	(21) EP16873102.4	28.03.2014
(11) EP3118309	(47) 16.09.2020	28.03.2014
(21) EP16168636.5	(87) JP2016086668	02.04.2014
(47) 16.09.2020	15.06.2017	14.04.2014
(22) 17.04.2009	(22) 09.12.2016	14.04.2014
(54) BUTTIAUXELLA SP. PHYTASE VARIANTS	(54) METHOD FOR PRODUCING 3-OXOADIPIC ACID BY FERMENTATION	25.04.2014
(73) Danisco US Inc.	(73) Toray Industries, Inc.	06.06.2014
(72) KENSCH, Oliver	(72) ISOBE, Kyohei	13.06.2014
SCHULZE PELLENGAHR, Klaus	KAWAMURA, Kenji	04.08.2014
LEUTHNER, Birgitta	ITO, Masateru	(33) United States of America
SHETTY, Jayarama	YAMADA, Katsushige	United States of America
PEPSIN, Michael	(31) 2015241996	United States of America
DALSGAARD, Soren	(32) 11.12.2015	United States of America
FAURSCHOU ISAKSEN, Mai	(33) Japan	United States of America
(31) 46324 P	(51) C12Q 1/00	United States of America
(32) 18.04.2008	G01N 33/487	United States of America
(33) United States of America	(11) EP3019624	United States of America
(51) C12N 15/82	(21) EP14822642.6	United States of America
A01H 5/00	(47) 16.09.2020	United States of America
A01H 5/08	(87) US2014045397	United States of America
C12Q 1/6895	15.01.2015	(51) C12Q 1/6806
(11) EP2615173	(22) 03.07.2014	C12Q 1/6855
(21) EP12198573.3	(54) BIOMARKERS OF AUTISM SPECTRUM DISORDER	(11) EP3559269
(47) 16.09.2020	(73) Stemina Biomarker Discovery, Inc.	(21) EP17826466.9
(22) 09.06.2008	(72) WEST, Paul	(47) 16.09.2020
(54) Insect resistant cotton plants and methods for identifying same	BURRIER, Robert, E.	(87) EP2017083115
(73) BASF AGRICULTURAL SOLUTIONS SEED US LLC	EGNASH, Laura	28.06.2018
(72) Trolinder, Linda	SMITH, Alan	(22) 15.12.2017
Moens, Sofie	BAIS, Preeti	(54) SINGLE STRANDED CIRCULAR DNA LIBRARIES FOR CIRCULAR CONSENSUS SEQUENCING
Habex, Veerle	(31) 201361844128 P	(73) F. Hoffmann-La Roche AG
Paelinck, Dimitri	201461996835 P	(72) GUETTOUCHE, Toumy
Berghman, Evelien	(32) 09.07.2013	CHEN, Rui
(31) 07075460	14.05.2014	RICHARDSON, Aaron
934431 P	(33) United States of America	(31) 201662436819 P
07075485	United States of America	(32) 20.12.2016
(32) 11.06.2007	(51) C12Q 1/68	(33) United States of America
13.06.2007	C12Q 1/6874	(51) C12Q 1/6813
18.06.2007	(11) EP3077545	C12Q 1/6816
(33) European Patent Office (EPO)	(21) EP14867494.8	(11) EP3262192
United States of America	(47) 16.09.2020	(21) EP16714081.3
European Patent Office (EPO)	(87) US2014068954	(47) 16.09.2020
(51) C12P 7/10	11.06.2015	(87) US2016019962
C12P 19/02	(22) 05.12.2014	01.09.2016
C12P 19/14	(54) METHODS FOR SEQUENCING NUCLEIC ACIDS	(22) 26.02.2016
(11) EP2486139	(73) Centrillion Technology Holdings Corporation	(54) SPATIALLY ADDRESSABLE MOLECULAR BARCODING
(21) EP10768708.9	(72) ZHOU, Wei	(73) Becton, Dickinson and Company
(47) 16.09.2020	CRNOGORAC, Filip	(72) FODOR, Stephen, P.A.
(87) EP2010064830	MCGALL, Glenn	FAN, Christina
14.04.2011	CAO, Jian	FU, Glenn
(22) 05.10.2010	(31) 201361912027 P	FACER, Geoffrey
(54) PROCESS FOR THE PREPARATION OF A FERMENTATION PRODCUT FROM LIGNOCELLULOSE CONTAINING MATERIAL	201361912022 P	(31) 201562126230 P
(73) DSM IP Assets B.V.	201361912559 P	201562162471 P
(72) SMITS, Johannes Petrus	201461971536 P	(32) 27.02.2015
GIERVELD, VAN, Elisabeth Maria	201461971542 P	15.05.2015
HOR, VAN DER, Fop Cornelis	201461973864 P	(33) United States of America
(31) 09172586	201461979431 P	United States of America
(32) 08.10.2009	201461979448 P	(51) C12Q 1/6874
(33) European Patent Office (EPO)	201461984057 P	C12Q 1/6881
	201462008985 P	(11) EP3080302
	201462012238 P	(21) EP14869706.3

(47) 16.09.2020	(32) 24.10.2014	25.07.2013
(87) AU2014001114	(33) European Patent Office (EPO)	(22) 04.01.2013
18.06.2015	(51) C12Q 1/689	(54) CONCURRENT FLOW OF ACTIVATING
(22) 10.12.2014	(11) EP3230468	GAS IN LOW TEMPERATURE
(54) METHODS AND PROBES FOR	(21) EP15816635.5	CARBURIZATION
IDENTIFYING GENE ALLELES	(47) 16.09.2020	(73) Swagelok Company
(73) Conexio Genomics Pty Ltd	(87) US2015064886	(72) COLLINS, Sunniva, R.
(72) SAYER, David, Charles	16.06.2016	SCHIROKY, Gerhard, H.
DESANTIS, Dianne	(22) 10.12.2015	MARX, Steven, V.
(31) 2013904801	(54) METHODS AND KITS FOR DETECTING	WILLIAMS, Peter, C.
(32) 10.12.2013	ANTIBIOTIC RESISTANT BACTERIA	(31) 201261588728 P
(33) Australia	(73) ELITechGroup, Inc.	(32) 20.01.2012
(51) C12Q 1/6876	(72) BELOUSOV, Yevgeniy, S.	(33) United States of America
(11) EP3390655	(31) 201462091007 P	(51) C21D 1/18
(21) EP16816362.4	(32) 12.12.2014	C21D 1/26
(47) 16.09.2020	(33) United States of America	C21D 6/00
(87) GB2016053963	(51) C12Q 1/70	C21D 9/00
22.06.2017	C40B 30/04	C22C 38/00
(22) 16.12.2016	G01N 33/53	C22C 38/02
(54) TEST FOR PREDICTING THE ABILITY	(11) EP3175022	C22C 38/04
OF A SALMONID TO UTILISE DIETARY	(21) EP15826988.6	C22C 38/22
PIGMENT	(47) 16.09.2020	C22C 38/24
(73) AquaGen AS	(87) US2015042527	C22C 38/60
(72) MOEN, Thomas	04.02.2016	(11) EP3173500
TORGERSEN, Jacob Seilo	(22) 28.07.2015	(21) EP15824454.1
(31) 201522230	(54) AUTOMATED IMAGING AND ANALYSIS	(47) 16.09.2020
(32) 16.12.2015	OF THE HEMAGGLUTINATION	(87) JP2015063318
(33) United Kingdom	INHIBITION ASSAY (HAI)	28.01.2016
(51) C12Q 1/6881	(73) Sanofi Pasteur VaxDesign Corporation	(22) 08.05.2015
C12Q 1/6886	(72) NGUYEN, Michael	(54) HOT-WORKING TOOL MATERIAL,
(11) EP3390657	PARKHILL, Robert	METHOD FOR MANUFACTURING HOT-
(21) EP16820524.3	(31) 201462029922 P	WORKING TOOL, AND HOT-WORKING
(47) 16.09.2020	(32) 28.07.2014	TOOL
(87) US2016066901	(33) United States of America	(73) Hitachi Metals, Ltd.
22.06.2017	(51) C21C 7/00	(72) FUKUMARU Taishiroh
(22) 15.12.2016	C21C 7/04	(31) 2014149487
(54) DISTINGUISHING METHYLATION	C21C 7/06	(32) 23.07.2014
LEVELS IN COMPLEX BIOLOGICAL	C21C 7/064	(33) Japan
SAMPLES	C22C 33/00	(51) C21D 1/26
(73) Illumina, Inc.	C22C 33/04	C21D 1/70
(72) TOUNG, Jonathan	C22C 38/00	C21D 9/00
LIU, Li	C22C 38/06	C22F 1/10
SHEN, Min-Jui, Richard	C22C 38/28	(11) EP2176436
ZHANG, Ruoyu	(11) EP3283608	(21) EP08775856.1
(31) 201562268961 P	(21) EP16781004.3	(47) 16.09.2020
201662401591 P	(47) 16.09.2020	(87) GB2008002308
(32) 17.12.2015	(87) US2016028124	12.02.2009
29.09.2016	20.10.2016	(22) 04.07.2008
(33) United States of America	(22) 18.04.2016	(54) A METHOD OF HEAT TREATING A
United States of America	(54) GRAIN REFINEMENT IN IRON-BASED	SUPERALLOY COMPONENT AND AN
(51) C12Q 1/6886	MATERIALS	ALLOY COMPONENT
G16B 25/10	(73) The Curators of the University of Missouri	(73) Rolls-Royce plc
(11) EP3210142	(72) LEKAKH, Simon	(72) MITCHELL, Robert, John
(21) EP15785098.3	RICHARDS, Von	FURRER, David, Ulrich
(47) 16.09.2020	O'MALLEY, Ronald	LEMSKY, Joseph, Andrew
(87) EP2015074700	GE, Jun	HARDY, Mark, Christopher
28.04.2016	(31) 201562149090 P	(31) 935285 P
(22) 26.10.2015	201562201786 P	(32) 03.08.2007
(54) ASSESSMENT OF TGF-CELLULAR	(32) 17.04.2015	(33) United States of America
SIGNALING PATHWAY ACTIVITY	06.08.2015	(51) C21D 1/63
USING MATHEMATICAL MODELLING	(33) United States of America	C21D 9/573
OF TARGET GENE EXPRESSION	United States of America	(11) EP3399056
(73) Koninklijke Philips N.V.	(51) C21D 1/06	(21) EP16881717.9
(72) VAN OOIJEN, Hendrik Jan	C23C 8/20	(47) 16.09.2020
VAN DE STOLPE, Anja	(11) EP2804965	(87) JP2016088643
VAN STRIJP, Dianne Arnoldina	(21) EP13739132.2	06.07.2017
Margaretha Wilhelmina	(47) 16.09.2020	(22) 26.12.2016
(31) 14190270	(87) US2013020196	

(54) RAPID COOLING QUENCHING DEVICE AND RAPID COOLING QUENCHING METHOD	C23C 2/06 C23C 2/28 C23C 2/40	(47) 16.09.2020 (87) JP2017002041 03.08.2017
(73) JFE Steel Corporation	(11) EP3409805	(22) 23.01.2017
(72) YOSHIMOTO Soshi SUGIHARA Hirokazu TANAKA Fujio HASHIMUKAI Tomohiro	(21) EP17744283.7 (47) 16.09.2020 (87) JP2017002614 03.08.2017	(54) HIGH-STRENGTH HOT-ROLLED STEEL SHEET FOR ELECTRIC RESISTANCE WELDED STEEL PIPE AND MANUFACTURING METHOD THEREFOR
(31) 2015256541 2016238977	(22) 26.01.2017	(73) JFE Steel Corporation
(32) 28.12.2015 09.12.2016	(54) HIGH-STRENGTH STEEL SHEET FOR WARM WORKING, AND METHOD FOR PRODUCING SAME	(72) NAKATA Hiroshi URABE Motohiko KAWAMURA Shuji
(33) Japan Japan	(73) JFE Steel Corporation (72) HASEGAWA Hiroshi FUNAKAWA Yoshimasa	(31) 2016012891 (32) 27.01.2016 (33) Japan
(51) C21D 6/00 C21D 6/02 C21D 8/02 C21D 9/46 C22C 18/00 C22C 38/00 C22C 38/02 C22C 38/04 C22C 38/12 C22C 38/14 C22C 38/22 C22C 38/28 C22C 38/38 C22C 38/44 C22C 38/50 C22C 38/54 C22C 38/58 C22C 38/60 C23C 2/06 C23C 2/28	(31) 2016016097 (32) 29.01.2016 (33) Japan (51) C21D 8/02 C21D 9/46 C22C 38/00 C22C 38/02 C22C 38/04 C22C 38/06 C22C 38/08 C22C 38/12 C22C 38/14 C22C 38/16 C22C 38/18 C22C 38/32 C22C 38/38 C23C 2/02 C23C 2/06 C23C 2/28 C23C 2/40	(51) C22B 1/00 C22B 1/216 C22B 1/248 C22B 7/00 C22B 7/04 C22B 15/00 C22B 15/06 C22B 25/02 C22B 25/06 (11) EP3155136 (21) EP15736379.7 (47) 16.09.2020 (87) DE2015000219 17.12.2015 (2) 30.04.2015 (54) METHOD FOR RECOVERING METALS FROM SECONDARY MATERIALS AND OTHER MATERIALS COMPRISING ORGANIC CONSTITUENTS
(11) EP3476962 (21) EP17839570.3 (47) 16.09.2020 (87) JP2017029037 15.02.2018 (22) 10.08.2017	(11) EP3159420 (21) EP15839932.9 (47) 16.09.2020 (87) JP2015004151 17.03.2016	(73) Aurubis AG (72) AYHAN, Mehmet ESCHEN, Marcus (31) 102014008987 (32) 13.06.2014 (33) Germany
(54) THIN STEEL SHEET, AND PRODUCTION METHOD THEREFOR	(22) 20.08.2015	(33) Germany
(73) JFE Steel Corporation (72) KOHSAKA Noriaki NAKAGAITO Tatsuya YANG Lingling	(54) METHOD FOR PRODUCING HIGH-STRENGTH HOT-DIPPED GALVANIZED STEEL SHEET	(51) C22B 3/00 C22B 3/08 C22B 3/44 C22B 23/00
(31) 2016157762 2017114147	(73) JFE Steel Corporation (72) MAKIMIZU, Yoichi SUZUKI, Yoshitsugu TAKAHASHI, Hideyuki TAKEDA, Gentaro FUJITA, Koichiro	(11) EP3296410 (21) EP16792399.4 (47) 16.09.2020 (87) JP2016053626 17.11.2016
(32) 10.08.2016 09.06.2017	(31) 2014182153 (32) 08.09.2014 (33) Japan	(22) 08.02.2016 (54) MINERAL ORE SLURRY PRETREATMENT METHOD, AND METHOD FOR MANUFACTURING MINERAL ORE SLURRY
(33) Japan Japan		(73) Sumitomo Metal Mining Co., Ltd. (72) HIGUCHI, Hirotaka IMAMURA, Masaki
(51) C21D 6/00 C21D 8/02 C21D 9/46 C22C 38/00 C22C 38/02 C22C 38/04 C22C 38/06 C22C 38/08 C22C 38/12 C22C 38/14 C22C 38/16 C22C 38/24 C22C 38/28 C22C 38/38 C22C 38/60 C23C 2/02	(51) C21D 8/02 C21D 9/46 C22C 38/00 C22C 38/02 C22C 38/04 C22C 38/06 C22C 38/42 C22C 38/44 C22C 38/46 C22C 38/48 C22C 38/50 C22C 38/54 C22C 38/58 (11) EP3409803 (21) EP17744105.2	(87) JP2016053626 17.11.2016 (22) 08.02.2016 (54) MINERAL ORE SLURRY PRETREATMENT METHOD, AND METHOD FOR MANUFACTURING MINERAL ORE SLURRY (73) Sumitomo Metal Mining Co., Ltd. (72) HIGUCHI, Hirotaka IMAMURA, Masaki (31) 2015097452 (32) 12.05.2015 (33) Japan (51) C22B 23/00 F28C 1/06 F28C 3/06 F28C 3/08 F28C 3/14 F28F 9/02 (11) EP3406995

(21) EP17766832.4	(21) EP15700967.1	(54) DEPOSITION DEVICE AND
(47) 16.09.2020	(47) 16.09.2020	DEPOSITION METHOD
(87) JP2017010836	(87) EP2015050225	(73) Tokyo Electron Limited
21.09.2017	20.08.2015	(72) KOJIMA, Yasuhiko
(22) 17.03.2017	(22) 08.01.2015	SONE, Hiroshi
(54) COUNTERCURRENT-TYPE DIRECT-	(54) COMPRESSOR BLADE WITH	GOMI, Atsushi
HEATING HEAT EXCHANGER	EROSION RESISTANT HARD	NAKAMURA, Kanto
(73) Sumitomo Metal Mining Co., Ltd.	MATERIAL COATING	KITADA, Toru
(72) KYODA Yoji	(73) Siemens Aktiengesellschaft	SUZUKI, Yasunobu
NAKAI Osamu	(72) FLORES RENTERIA, Arturo	SUZUKI, Yusuke
SAKAMOTO Takashi	NEDDEMEYER, Torsten	TAKATSUKI, Koichi
MATSUBARA Satoshi	(31) 14155135	HIRASAWA, Tatsuo
UCHIDA Yuta	(32) 14.02.2014	SATO, Keisuke
(31) 2016054629	(33) European Patent Office (EPO)	YASUMURO, Chiaki
2016213968	(51) C23C 8/00	SHIMADA, Atsushi
(32) 18.03.2016	C23C 8/02	(31) 2013225766
01.11.2016	C23C 8/30	(32) 30.10.2013
(33) Japan	C23C 8/32	(33) Japan
Japan	C23C 8/34	<hr/>
(51) C22C 21/00	C23C 8/80	(51) C23C 16/04
C25F 3/04	(11) EP2877607	C23C 16/26
(11) EP3408431	(21) EP13741715.0	C23C 16/511
(21) EP17701157.4	(47) 16.09.2020	C23C 16/52
(47) 16.09.2020	(87) EP2013065420	H01J 37/32
(87) EP2017051526	30.01.2014	H01J 37/34
03.08.2017	(22) 22.07.2013	(11) EP3292229
(22) 25.01.2017	(54) METHOD FOR PRODUCING AT LEAST	(21) EP16723432.7
(54) ALUMINIUM ALLOY TAPE FOR	ONE COMPONENT AND OPEN-LOOP	(47) 16.09.2020
ADHESIVE JOINING	AND/OR CLOSED-LOOP CONTROL	(87) FR2016050956
(73) Hydro Aluminium Rolled Products GmbH	DEVICE	10.11.2016
(72) KERNIG, Bernhard	(73) Robert Bosch GmbH	(22) 22.04.2016
BRINKMAN, Henk-Jan	(72) KOCH, David	(54) FACILITY FOR TREATING
ECKHARD, Kathrin	BAJOHR, Siegfried	CONTAINERS BY MICROWAVE
NITZSCHE, Gernot	HAGYMASI, Laszlo	PLASMA, COMPRISING A
HIRSCHMANN, Frank	BUCHHOLZ, Dominic	SOLID-STATE GENERATOR AND
(31) 16152890	REIMERT, Rainer	ADJUSTMENT METHOD
(32) 27.01.2016	WALDENMAIER, Thomas	(73) Sidel Participations
(33) European Patent Office (EPO)	(31) 102012212918	(72) DUCLOS, Yves-Alban
(51) C22C 21/10	(32) 24.07.2012	TURLOTTE, Denis
C22C 21/16	(33) Germany	(31) 1553966
F16B 19/06	(51) C23C 14/04	(32) 04.05.2015
F16B 33/02	F01D 25/00	(33) France
F16B 33/06	(11) EP3553281	<hr/>
F16B 35/04	(21) EP19165172.8	(51) C23C 22/03
F16B 37/00	(47) 16.09.2020	C23F 11/10
(11) EP3343049	(22) 26.03.2019	(11) EP2173925
(21) EP16841758.2	(54) DEVICE FOR MASKING A PERIMETER	(21) EP08771362.4
(47) 16.09.2020	INSIDE A TURBINE ENGINE DISC	(47) 16.09.2020
(87) JP2016075097	(73) SAFRAN AIRCRAFT ENGINES	(87) US2008067341
09.03.2017	(72) BESNARD, Nicolas, Léon, Jean-Baptiste	24.12.2008
(22) 26.08.2016	GUERIT, Romain, Jean-François	(22) 18.06.2008
(54) FASTENING MEMBER AND ROD-	SANCHEZ, Laurent, Miguel	(54) CORROSION PROTECTION OF
SHAPED MEMBER FOR FASTENING	(31) 1853193	BRONZES
MEMBERS	(32) 12.04.2018	(73) MacDermid Enthone Inc.
(73) NHK Spring Co., Ltd.	(33) France	(72) ABYS, Joseph, A.
(72) KAZAMA, Toshio	(51) C23C 14/14	SUN, Shenliang
KANEDA, Noriyoshi	C23C 14/34	KUDRAK, Edward, J., Jr.
HIRAI, Shun	C23C 14/58	ZSCHINTZSCH, Katrin
(31) 2015169599	H01J 37/32	ANTONELLIS, Theodore
(32) 28.08.2015	H01J 37/34	(31) 766642
(33) Japan	H01L 43/08	(32) 21.06.2007
(51) C23C 4/02	H01L 43/10	(33) United States of America
C23C 14/02	(11) EP3064609	<hr/>
C23C 14/06	(21) EP14857865.1	(51) C23F 1/02
C23C 28/00	(47) 16.09.2020	C23F 1/04
F01D 5/28	(87) JP2014072636	C23F 1/08
C23C 4/10	07.05.2015	E01F 15/14
(11) EP3068921	(22) 28.08.2014	(11) EP3541972
		(21) EP17811628.1
		(47) 16.09.2020
		(87) FR2017053123

24.05.2018	(32) 05.10.2016	C25D 5/10
(22) 15.11.2017	(33) European Patent Office (EPO)	C25D 5/14
(54) METHOD AND FACILITY FOR	(51) C25B 1/04	C25D 5/34
PRODUCING A CRASH TEST	C25B 15/08	C25D 5/36
BARRIER COMPRISING A UNITARY	(11) EP3617347	C25F 3/02
FRONT BLOCK WITH REGIONS OF	(21) EP18191198.3	C25F 3/06
DIFFERENT STRENGTHS	(47) 16.09.2020	(11) EP3147390
(73) AFL-Honeycomb Structures	(22) 28.08.2018	(21) EP16197790.5
(72) POISSON, Olivier	(54) METHOD FOR STORING ENERGY IN	(47) 16.09.2020
(31) 1661188	AN ENERGY STORAGE SYSTEM	(22) 06.06.2013
(32) 18.11.2016	(73) Doosan Lentjes GmbH	(54) METHOD FOR PRODUCING A METAL
(33) France	(72) Kehrman, Kai	COATING
(51) C25B 1/00	Einicke, Clemens	(73) Onderzoekscentrum voor Aanwending
(11) EP3384068	Stetter, Thomas	van Staal N.V.
(21) EP16802109.5	(51) C25B 3/04	(72) DE STRYCKER, Joost Remi Margueritte
(47) 16.09.2020	C25B 9/08	VERPOORT, Philippe Jose Gaston
(87) EP2016079281	(11) EP3325692	Hubert
08.06.2017	(21) EP16757367.4	DIAZ GONZALES, Eva
(22) 30.11.2016	(47) 16.09.2020	VAN DEN BERGH, Krista Godelieve
(54) ELECTROCHEMICAL EXFOLIATION OF	(87) NL2016050545	Oscar
2D MATERIALS	26.01.2017	VAN DE COEVERING, Robbie
(73) The University Of Manchester	(22) 21.07.2016	(31) 12171315
(72) KINLOCH, Ian	(54) METHOD AND REACTOR FOR	(32) 08.06.2012
DRYFE, Robert	ELECTROCHEMICALLY REDUCING	(33) European Patent Office (EPO)
ABDELKADER, Amr	CARBON DIOXIDE	(51) C30B 25/02
(31) 201521056	(73) Coval Energy Ventures B.V.	C30B 29/40
(32) 30.11.2015	(72) DE KLER, Robert Christiaan Franciscus	C30B 33/00
(33) United Kingdom	(31) 15177809	C30B 33/12
(51) C25B 1/00	(32) 22.07.2015	(11) EP2381018
C25B 1/04	(33) European Patent Office (EPO)	(21) EP09838333.4
C25B 11/04	(51) C25B 11/03	(47) 16.09.2020
H01G 9/20	C25B 11/04	(87) JP2009051211
(11) EP3204533	C25B 11/06	22.07.2010
(21) EP15849585.3	C25B 11/08	(22) 26.01.2009
(47) 16.09.2020	(11) EP3187626	(54) COMPOUND SEMICONDUCTOR
(87) IL2015051004	(21) EP15822165.5	SUBSTRATE, SEMICONDUCTOR
14.04.2016	(47) 16.09.2020	DEVICE, AND PROCESS FOR
(22) 07.10.2015	(87) JP2015070185	PRODUCING THE SEMICONDUCTOR
(54) WATER SPLITTING METHOD AND	21.01.2016	DEVICE
SYSTEM	(22) 14.07.2015	(73) Sumitomo Electric Industries, Ltd.
(73) Yeda Research and Development Co.,	(54) ELECTROLYSIS CATHODE AND	(72) ISHIBASHI, Keiji
Ltd.	METHOD FOR PRODUCING	NAKANISHI, Fumitake
(72) NAAMAN, Ron	ELECTROLYSIS CATHODE	(31) 2009009151
FONTANESI, Claudio	(73) De Nora Permelec Ltd	(32) 19.01.2009
MTANGI, Wilbert	(72) TAKEUCHI, Atsumi	(33) Japan
(31) 201462060590 P	(31) 2014145423	(51) C40B 20/00
(32) 07.10.2014	(32) 15.07.2014	C40B 50/06
(33) United States of America	(33) Japan	(11) EP2954104
(51) C25B 1/04	(51) C25D 3/60	(21) EP14749595.6
C25B 11/04	(11) EP3399071	(47) 16.09.2020
(11) EP3523462	(21) EP16881676.7	(87) US2014015427
(21) EP17777586.3	(47) 16.09.2020	14.08.2014
(47) 16.09.2020	(87) JP2016088102	(22) 07.02.2014
(87) EP2017074926	06.07.2017	(54) POLYNUCLEOTIDE BARCODE
12.04.2018	(22) 21.12.2016	GENERATION
(22) 02.10.2017	(54) SNAG ALLOY PLATING LIQUID	(73) 10X Genomics, Inc.
(54) METHOD FOR PRODUCING AN	(73) Mitsubishi Materials Corporation	(72) HINDSON, Benjamin
ELECTROCATALYST FOR USE IN	(72) TATSUMI Koji	JAROSZ, Mirna
WATER OXIDATION	YASOSHIMA Tsukasa	HARDENBOL, Paul
(73) Evonik Operations GmbH	KATASE Takuma	SCHNALL-LEVIN, Michael
(72) MALJUSCH, Artjom	(31) 2015256577	NESS, Kevin
MARTIN, Andreas	2016232903	SAXONOV, Serge
POLYAKOV, Mykola	(32) 28.12.2015	(31) 201361762435 P
SURKUS, Annette-Enrica	30.11.2016	201361800223 P
HOCH, Sascha	(33) Japan	201361840403 P
BLUG, Matthias	Japan	201361844804 P
DEIS, Wolfgang	(51) C25D 3/66	(32) 08.02.2013
(31) 16192399		15.03.2013

27.06.2013	(54) NONWOVEN WEB COMPRISING	(32) 10.02.2016
10.07.2013	THERMALLY FUSIBLE FIBERS AND	(33) Germany
(33) United States of America	BONDING IMPRESSIONS FORMING A	(51) D06F 39/12
United States of America	PATTERN	D06F 34/28
United States of America	(73) PFNonwovens Czech s.r.o.	(11) EP3556928
United States of America	(72) MECL, Zdenek	(21) EP19170214.1
(51) D01F 1/10	KROUTILOVA, Jana	(47) 16.09.2020
D01F 8/00	KUMMER, Jiri	(22) 18.04.2019
D01F 9/14	KOHUT, Jaroslav	(54) CLOTHES TREATMENT DEVICE AND
(11) EP2788536	TVARUZKOVA, Katerina	CABINET COMPONENT THEREFOR
(21) EP12790718.6	ZEREHSZ, Jitka	(73) WUXI LITTLE SWAN ELECTRIC CO.,
(47) 16.09.2020	SVOBODOVA, Jitka	LTD.
(87) US2012061480	(31) 20160250	(72) WANG, Long
13.06.2013	(32) 02.05.2016	ZHANG, Lei
(22) 23.10.2012	(33) Czech Republic	ZHENG, Hanqing
(54) FIBER WITH GRADIENT PROPERTIES	(51) D04H 3/16	QIAN, Wenjun
AND METHOD OF MAKING THE SAME	D06C 23/04	RUN, Shangliang
(73) The Boeing Company	D04H 3/04	HU, Hao
(72) TSOTSIS, Thomas Karl	(11) EP3428332	YUAN, Yue
(31) 201113316504	(21) EP17763211.4	(31) 201820567377 U
(32) 10.12.2011	(47) 16.09.2020	201810354002
(33) United States of America	(87) JP2017008914	(32) 19.04.2018
(51) D01H 13/26	14.09.2017	19.04.2018
G01B 11/10	(22) 07.03.2017	(33) China
G01B 11/24	(54) FILAMENT NONWAVEN FABRIC	China
G01N 21/89	HAVING WRINKLES AND METHOD	(51) D06F 58/14
G01N 33/36	FOR MANUFACTURING SAME	D06F 58/30
(11) EP2827133	(73) JXTG Nippon Oil & Energy Corporation	D06F 103/08
(21) EP14174931.7	(72) IBAYASHI, Kunihiko	D06F 103/36
(47) 16.09.2020	(31) 2016043487	D06F 105/24
(22) 30.06.2014	(32) 07.03.2016	D06F 105/28
(54) Method for monitoring quality of yarn by	(33) Japan	(11) EP3274498
electronic yarn cleaner and detector for	(51) D06F 25/00	(21) EP16719471.1
carrying out the method	D06F 58/20	(47) 16.09.2020
(73) Rieter CZ s.r.o.	D06F 58/24	(87) IB2016000360
(72) Kousalik, Pavel	D06F 58/30	29.09.2016
Sloupensky, Jiri	D06F 58/38	(22) 22.03.2016
(31) 20130566	D06F 58/52	(54) HANGING DRIER
(32) 16.07.2013	(11) EP3492645	(73) Furieri, Mario
(33) Czech Republic	(21) EP18215263.7	Mezzopera, Ennio
(51) D03D 13/00	(47) 16.09.2020	(72) FURIERI, Mario
D03D 15/00	(22) 18.09.2012	(31) FI20150018 U
G06K 19/00	(54) A WASHER-DRYER WITH AT LEAST	(32) 23.03.2015
G06K 19/02	ONE CONDENSER	(33) Italy
G06K 19/06	(73) Electrolux Home Products Corporation	(51) D06F 58/38
G06F 21/00	N.V.	(11) EP3495548
(11) EP3178030	(72) STRIATO, Daniele	(21) EP18206984.9
(21) EP15829485.0	(31) 11181824	(47) 16.09.2020
(47) 16.09.2020	(32) 19.09.2011	(22) 19.11.2018
(87) IB2015055962	(33) European Patent Office (EPO)	(54) CONTROL METHOD OF CLOTHES
11.02.2016	(51) D06F 39/08	DRIER
(22) 06.08.2015	F04D 29/02	(73) LG Electronics Inc.
(54) AUTHENTICATION DEVICES	F04D 29/16	(72) JE, Haeyoon
(73) WAITAK LABELS FACTORY LIMITED	F04D 29/40	LEE, Ingeon
(72) LAM, Wing Hong	F04D 29/66	(31) 20170154928
LAU, Tak Wai	(11) EP3414460	(32) 20.11.2017
(31) 14108070	(21) EP17700101.3	(33) Korea (Republic)
(32) 06.08.2014	(47) 16.09.2020	(51) D06F 73/00
(33) Hong Kong	(87) EP2017050048	D06F 75/10
(51) D04H 1/54	17.08.2017	D06F 75/12
D04H 3/14	(22) 03.01.2017	F22B 1/28
(11) EP3452652	(54) LAUNDRY CARE APPLIANCE	F22B 37/54
(21) EP17731055.4	COMPRISING A SEALING ELEMENT	(11) EP3467192
(47) 16.09.2020	(73) BSH Hausgeräte GmbH	(21) EP18198090.5
(87) CZ2017050020	(72) BÖTTGER, Torsten	(47) 16.09.2020
09.11.2017	HAHN, Kevin	(22) 02.10.2018
(22) 02.05.2017	RÖMER, Raymond	
	(31) 102016201969	

(54) HOUSEHOLD APPLIANCE COMPRISING A BASE HAVING A BOILING CHAMBER FED BY GRAVITY	29.12.2016 (22) 23.06.2016 (54) METHOD FOR CONTROLLING	INTERCONNECTION BETWEEN MATING EDGES 9407-4895 QUÉBEC INC.
(73) SEB S.A.	(73) KEMIRA OYJ	(72) VIGNEAULT, Jimmy
(72) JAVIT, Maxime GELUS, Dominique	(72) YAN, Li	(31) 2867957
(31) 1759365	(73) Kemira Oyj	(32) 17.10.2014
(32) 05.10.2017	(72) YAN, Li	(33) Canada
(33) France	BAI, Zeming	
(51) D06M 15/03	(31) 201510350905	(51) E01H 10/00
D06M 15/05	20155537	(11) EP3359742
D06M 15/15	(32) 23.06.2015	(21) EP16781328.6
D06M 15/643	07.07.2015	(47) 16.09.2020
D06M 16/00	(33) China	(87) EP2016073769
D06N 3/00	Finland	13.04.2017
D06P 1/22	(51) E01B 9/30	(22) 05.10.2016
D06P 1/46	(11) EP2804982	(54) SPREADING DEVICE FOR USE IN WINTER
D06P 1/48	(21) EP13701025.2	(73) Aebi Schmidt Nederland BV
D06P 1/50	(47) 16.09.2020	(72) LUGTENBERG, Felix
D06P 3/60	(87) EP2013050895	VAN GELDER, Erik
(11) EP3476996	25.07.2013	(31) 102015117151
(21) EP18202976.9	(22) 18.01.2013	(32) 08.10.2015
(47) 16.09.2020	(54) PLATE FOR GUIDING AND FASTENING A RAIL	(33) Germany
(22) 26.10.2018	(73) Vossloh Fastening Systems GmbH	(51) E01H 10/00
(54) A PROCESS FOR PREPARING A COMPOSITE TEXTILE ARTICLE INCLUDING A BIOPOLYMER LAYER PRODUCED BY MICROORGANISMS	(72) HARRASS, Michael BEDNARCZYK, Adrian BECKER, Dietmar	(11) EP3511471
(73) Sanko Tekstil Isletmeleri San. Ve Tic. A.S.	LEVERMANN, Ulrich KRIEG, Nikolaj	(21) EP19150472.9
(72) ERYILMAZ, Jitka	(31) 102012100440	(47) 16.09.2020
ERKUS, Ertug	(32) 19.01.2012	(22) 07.01.2019
COBANOGLU, Ozgur	(33) Germany	(54) BRINE PREPARATION FACILITY
ZENGI, Leyla	(51) E01B 25/26	(73) Euro Investissement
SENEL, Ece	(11) EP3480358	(72) LAFON, Guy
(31) 17198751	(21) EP18382775.7	(31) 1850197
(32) 27.10.2017	(47) 16.09.2020	(32) 10.01.2018
(33) European Patent Office (EPO)	(22) 31.10.2018	(33) France
(51) D21F 7/00	(54) SWITCH SYSTEM FOR RAIL-GUIDED VEHICLE-BASED TRANSPORT SYSTEMS	(51) E01H 11/00
D21G 9/00	(73) Mecalux S.A	G06T 7/00
(11) EP2971345	(72) FORÉS RÀFOLS, Albert	(11) EP3358525
(21) EP14791474.1	(31) 201731276	(21) EP17305130.1
(47) 16.09.2020	(32) 02.11.2017	(47) 16.09.2020
(87) US2014017320	(33) Spain	(22) 06.02.2017
06.11.2014	(51) E01C 19/48	(54) WEEDING SYSTEMS AND METHODS, RAILWAY WEEDING VEHICLES
(22) 20.02.2014	(11) EP3431659	(73) BILBERRY SAS
(54) SHEET EDGE TRIMMING AND REMOVAL FROM A STRUCTURED PAPER FABRIC	(21) EP17182524.3	(72) SERRAT, Hugo
(73) GPCP IP Holdings LLC	(47) 16.09.2020	BEGUERIE, Jules
(72) RAINES, David Drew	(22) 21.07.2017	JOURDAIN, Guillaume
ANAND, Farminder S.	(54) PAVER OR FEEDER VEHICLE WITH PUSHING DEVICE FOR A MATERIAL HANDOVER PROCESS	(51) E02F 9/00
KENNEDY, Theodore D.	(73) Joseph Vögele AG	E02F 9/22
VELDHUIZEN, David S.	(72) BUSCHMANN, Martin	F16C 17/02
HUNTER, Mark S.	SCHMIDT, Thomas	F16C 33/20
BAUMGARTNER, Dean J.	KIRSCHBAUM, Martin	F16C 33/24
(31) 201361789747 P	(51) E01H 5/06	(11) EP2960535
201414173403	(11) EP3207183	(21) EP13876005.3
(32) 15.03.2013	(21) EP15851592.4	(47) 16.09.2020
05.02.2014	(47) 16.09.2020	(87) KR2013009322
(33) United States of America	(87) CA2015051045	28.08.2014
United States of America	21.04.2016	(22) 18.10.2013
(51) D21H 17/14	(22) 16.10.2015	(54) DOUBLE-STRUCTURE BUSH AND BEARING ASSEMBLY COMPRISING SAME
D21H 21/06	(54) SCRAPER BLADE DEVICE WITH JUXTAPOSED BLADE SEGMENTS HAVING A SWIVEL	(73) Doosan Infracore Co., Ltd.
(11) EP3314057		(72) CHOI, Ji Won
(21) EP16736896.8		LIM, Dong Pil
(47) 16.09.2020		(31) 20130018549
(87) FI2016050457		(32) 21.02.2013
		(33) Korea (Republic)
		(51) E03B 5/00
		E03B 7/02

E03B 7/07	(54) DEVICE FOR REGULATING THE	(73) Eaton Intelligent Power Limited
E03B 11/10	HEIGHT OF A CISTERN FLUSHING	(72) GRANT, Andrew, James
F04D 15/00	MECHANISM	COOGLER, Allen
G05D 9/12	(73) Fominaya, S.A.	WALTON, Michael
(11) EP3327292	(72) FOMINAYA GONZÁLEZ, Pablo	KYNE, Jeremy
(21) EP16200618.3	(31) 201531371 U	(31) 201361908540 P
(47) 16.09.2020	(32) 10.12.2015	201414175666
(22) 25.11.2016	(33) Spain	201461939215 P
(54) METHOD OF CONTROLLING A	(51) E03D 3/00	(32) 25.11.2013
WATER RESERVOIR SUPPLY	E03D 5/10	07.02.2014
PUMP ARRANGEMENT AND	E03D 5/12	12.02.2014
WATER RESERVOIR SUPPLY PUMP	(11) EP3408460	(33) United States of America
ARRANGEMENT	(21) EP16823013.4	United States of America
(73) Grundfos Holding A/S	(47) 16.09.2020	United States of America
(72) Kallesøe, Carsten	(87) EP2016082822	
Hassan, Abdul-Sattar	03.08.2017	(51) E05B 9/04
(51) E03C 1/12	(22) 29.12.2016	(11) EP3421691
E03C 1/122	(54) SANITARY APPARATUS AND METHOD	(21) EP18178207.9
F15D 1/04	THEREFOR	(47) 16.09.2020
F16L 9/21	(73) Siemens Mobility GmbH	(22) 18.06.2018
F16L 41/03	(72) SCHLESS, Günther	(54) MODULAR LOCKING CYLINDER
(11) EP3241951	SCHNEIDER, Christian	(73) WILKA SCHLIESSTECHNIK GmbH
(21) EP17169107.4	(31) 102016201380	(72) Nieland, Dirk
(47) 16.09.2020	(32) 29.01.2016	Wüllner, Hermann-Josef
(22) 02.05.2017	(33) Germany	(31) 102017114543
(54) SET WITH SLAB AND DROP SECTION	(51) E04F 13/08	(32) 29.06.2017
(73) Raccords et Plastiques Nicoll	E04F 13/12	(33) Germany
(72) Buitenhuis, Marc	E04F 15/06	(51) E05B 17/14
Douet, François	E04F 15/18	E05B 17/18
Gauthier, Jean-Luc	(11) EP2700767	E05B 77/34
(31) 1654070	(21) EP13004121.3	E05B 85/06
(32) 04.05.2016	(47) 16.09.2020	E05B 85/16
(33) France	(22) 20.08.2013	(11) EP3144458
(51) E03C 1/232	(54) Improved heat transfer through interior	(21) EP15793416.7
(11) EP3505693	cladding of living spaces	(47) 16.09.2020
(21) EP19156667.8	(73) Gregory, Bruce	(87) JP2015063817
(47) 16.09.2020	(72) Gregory, Bruce	19.11.2015
(22) 27.03.2013	(31) 201214909	(22) 13.05.2015
(54) A DRAINING DEVICE FOR SANITARY	(32) 21.08.2012	(54) MOUNTING STRUCTURE FOR
FITTINGS SUCH AS SINKS	(33) United Kingdom	DECORATIVE CAP MEMBER
(73) BLANCO GmbH + Co KG	(51) E04G 11/50	(73) Alpha Corporation
(72) Bakine Torok, Ildiko	E04G 17/02	(72) ICHIKAWA, Shinji
(31) MI20120740	E04G 17/04	KAWANISHI, Tsutomu
(32) 03.05.2012	F16B 2/24	(31) 2014099324
(33) Italy	F16B 7/04	(32) 13.05.2014
(51) E03C 1/29	(11) EP3306011	(33) Japan
E03F 5/04	(21) EP16799404.5	(51) E05B 17/20
(11) EP3495576	(47) 16.09.2020	E05C 9/02
(21) EP18211079.1	(87) ES2016070399	E05C 9/10
(47) 16.09.2020	01.12.2016	(11) EP2918760
(22) 07.12.2018	(22) 26.05.2016	(21) EP15158676.5
(54) SYSTEM CONSISTING OF AN ODOUR	(54) DEVICE FOR DISMOUNTABLY	(47) 16.09.2020
TRAP AND A RECEIVING BODY AND	CONNECTING TWO INTERSECTING	(22) 11.03.2015
AN ODOUR TRAP	FORMWORK BEAMS	(54) ESPAGNOLETTE FITTING
(73) Wiedemann GmbH	(73) Sistemas Técnicos De Encofrados, S.A.	(73) SCHÜCO International KG
(72) Schulz, Ulrich	(72) UBIÑANA FELIX, Jose Luis	(72) Meyer, Stefan
Meyer, Lars	(31) 201530733	Niemeier, Oliver
(31) 102017129108	(32) 27.05.2015	Hering, Dennis
(32) 07.12.2017	(33) Spain	Winkelmann, Roland
(33) Germany	(51) E04H 12/18	Diekmann, Bernd
(51) E03D 1/24	F21V 21/22	(31) 202014101108 U
E03D 5/02	(11) EP3074579	(32) 12.03.2014
(11) EP3388587	(21) EP14863679.8	(33) Germany
(21) EP16872462.3	(47) 16.09.2020	(51) E05B 27/00
(47) 16.09.2020	(87) US2014067194	(11) EP3530845
(87) ES2016070738	28.05.2015	(21) EP19157103.3
15.06.2017	(22) 24.11.2014	(47) 16.09.2020
(22) 19.10.2016	(54) POLE SUPPORT SYSTEM	(22) 14.02.2019
		(54) LOCK AND KEY SYSTEM

(73) Assa Abloy Sicherheitstechnik GmbH	DEVICE OF A SLIDING WINDOW FOR	(33) United Kingdom
(72) MATSCHKE, Steffen	A BUILDING	(51) E05F 15/40
(31) 102018104294	(73) Somfy Activites SA	E05F 15/42
(32) 26.02.2018	(72) EICHLER, Mickaël	E05F 15/47
(33) Germany	GARBY, Thierry	(11) EP2963221
(51) E05B 39/00	(31) 1660135	(21) EP15001663.2
E05B 45/00	(32) 19.10.2016	(47) 16.09.2020
E05B 45/06	(33) France	(22) 03.06.2015
G08B 13/08	(51) E05D 1/04	(54) PIVOTING DOOR STRUCTURE FOR A
(11) EP3097547	F16K 15/03	VEHICLE, PREFERABLY A BUS
(21) EP14806581.6	(11) EP3495703	(73) MAN Truck & Bus SE
(47) 16.09.2020	(21) EP17206552.6	(72) Deufel, Thomas
(87) EP2014075739	(47) 16.09.2020	Schilling, Fabrice
30.07.2015	(22) 11.12.2017	Schöller, Michael
(22) 27.11.2014	(54) CHECK VALVES	(31) 102014009855
(54) METHOD AND APPARATUS FOR	(73) Hamilton Sundstrand Corporation	(32) 03.07.2014
DETERMINING AN UNAUTHORIZED	(72) Solarz, Bartosz	(33) Germany
INTRUSION TO A DOOR	(51) E05D 3/02	(51) E05F 15/622
(73) Robert Bosch GmbH	E05D 11/00	(11) EP3271539
(72) LOIDREAU, Maxime	E05F 1/14	(21) EP16719758.1
BARTHOLOMEYCZIK, Julian	(11) EP3262261	(47) 16.09.2020
SCHINDLER, Frank	(21) EP15709862.5	(87) DE2016100118
DAI, Qiulu	(47) 16.09.2020	22.09.2016
(31) 102014201130	(87) EP2015054017	(22) 15.03.2016
(32) 22.01.2014	01.09.2016	(54) MOTOR VEHICLE DOOR
(33) Germany	(22) 26.02.2015	(73) Kiekert AG
(51) E05B 63/00	(54) A DOOR AND SUSPENSION	(72) MENKE, Johannes Theodor
E05B 63/24	MECHANISM ASSEMBLY AND AN	(31) 102015103826
E05C 19/00	ASSEMBLY OF AN ELONGATED	(32) 16.03.2015
E06B 7/16	HOUSING AND A DOOR AND	(33) Germany
(11) EP3074580	SUSPENSION MECHANISM	(51) E06B 1/58
(21) EP14806360.5	ASSEMBLY	E06B 1/62
(47) 16.09.2020	(73) Huawei Technologies Co. Ltd.	E06B 1/64
(87) GB2014053505	(72) HAWORTH, Stephen	(11) EP3115539
04.06.2015	(51) E05F 1/10	(21) EP16178704.9
(22) 26.11.2014	E05F 5/02	(47) 16.09.2020
(54) A LEAF ASSEMBLY WITH LOCKING	(11) EP3137711	(22) 08.07.2016
DEVICE	(21) EP15715659.7	(54) BUILDING AREA WITH SEALING TAPE
(73) Einstein IP Limited	(47) 16.09.2020	(73) tremco illbruck GmbH
(72) WARD, Nicholas	(87) AT2015000040	(72) Nauck, Helmar
CLEGG, Brian	05.11.2015	Wörmann, Frank
(31) 201320870	(22) 12.03.2015	Pronath, Simon
(32) 26.11.2013	(54) ACTUATOR FOR FURNITURE FLAPS	(31) 202015103599 U
(33) United Kingdom	(73) Julius Blum GmbH	(32) 08.07.2015
(51) E05B 75/00	(72) SCHLUGE, Philip	(33) Germany
(11) EP3365518	(31) 3222014	(51) E06B 7/14
(21) EP16858202.1	(32) 02.05.2014	(11) EP3635210
(47) 16.09.2020	(33) Austria	(21) EP18729412.9
(87) US2016057877	(51) E05F 3/12	(47) 16.09.2020
27.04.2017	E05F 5/10	(87) EP2018064778
(22) 20.10.2016	F16F 9/342	13.12.2018
(54) HANDCUFF APPARATUS	F16F 9/36	(22) 05.06.2018
(73) Creative Law Enforcement Resources,	F16F 9/52	(54) LOWER CROSS-MEMBER WITH
Inc.	(11) EP2992158	IMPROVED WATER-TIGHTNESS
(72) KOVAC, Kresimir	(21) EP14720584.3	FOR A SLIDING WINDOW, SLIDING
(31) 201514919200	(47) 16.09.2020	WINDOW COMPRISING SUCH A
(32) 21.10.2015	(87) EP2014058619	LOWER CROSS-MEMBER
(33) United States of America	06.11.2014	(73) Hydro Extruded Solutions AS
(51) E05C 17/62	(22) 28.04.2014	(72) PIERSON, Christophe
E05F 15/632	(54) IMPROVEMENTS IN DAMPER	MIEULET, Gaetan
(11) EP3529439	ASSEMBLIES	(31) 1755067
(21) EP17783535.2	(73) Titus d.o.o. Dekani	(32) 07.06.2017
(47) 16.09.2020	(72) SVARA, Valter	(33) France
(87) EP2017076572	KOZLOVIC, Danijel	(51) E06B 7/36
26.04.2018	PECAR, David	(11) EP3344841
(22) 18.10.2017	(31) 201308054	(21) EP16744725.9
(54) METHOD FOR CONTROLLING THE	(32) 03.05.2013	(47) 16.09.2020
OPERATION OF A MOTORISED DRIVE		

(87) EP2016067765 09.03.2017	(51) E21B 33/068 (11) EP3408493	(54) DOWNHOLE WELLBORE HIGH POWER LASER HEATING AND FRACTURING STIMULATION AND METHODS
(22) 26.07.2016	(21) EP17701497.4	(73) Saudi Arabian Oil Company
(54) HINGE-SIDED FINGER PROTECTION DEVICE	(47) 16.09.2020	(72) BATARSEH, Sameeh, Issa
(73) ASSA ABLOY (Schweiz) AG	(87) EP2017051571 03.08.2017	(31) 201615373070
(72) DINTHEER, Andreas	(22) 25.01.2017	(32) 08.12.2016
BRÄNDLE, Andreas	(54) WELL ACCESS TOOL	(33) United States of America
(31) 15183124	(73) Quality Intervention Technology AS	<hr/>
(32) 31.08.2015	(72) SØRENSEN, Bjørn Bro	(51) E21B 43/12
(33) European Patent Office (EPO)	(31) 201601321	E21B 47/06
<hr/>	(32) 25.01.2016	(11) EP2630329
(51) E21B 7/02	(33) United Kingdom	(21) EP11834905.9
E21C 41/26	<hr/>	(47) 16.09.2020
G01S 19/38	(51) E21B 33/127	(87) US2011056405
(11) EP3303772	E21B 43/04	26.04.2012
(21) EP15726954.9	(11) EP2016257	(22) 14.10.2011
(47) 16.09.2020	(21) EP06839405.5	(54) SUBMERSIBLE PUMP SYSTEM
(87) EP2015062245	(47) 16.09.2020	(73) Grundfos Pumps Corporation
08.12.2016	(87) US2006047997	(72) SEITTER, Larry, E.
(22) 02.06.2015	16.08.2007	(31) 910517
(54) ADAPTATION OF MINING OPERATIONS SATELLITE COVERAGE	(22) 15.12.2006	(32) 22.10.2010
(73) Sandvik Mining and Construction Oy	(54) WELLBORE METHOD AND APPARATUS FOR COMPLETION, PRODUCTION AND INJECTION	(33) United States of America
(72) HEIKKILÄ, Tommi	(73) ExxonMobil Upstream Research Company	<hr/>
KOPPERONEN, Ari	(72) DALE, Bruce, A.	(51) E21C 35/04
HANSKI, Sami	BARRY, Michael, D.	E21C 35/24
<hr/>	YEH, Charles, S.	E21D 23/16
(51) E21B 7/04	BLACKLOCK, Jon	E21F 5/00
(11) EP2994594	ROSENBAUM, Darren, F.	E21F 9/00
(21) EP13883925.3	HECKER, Michael, T.	(11) EP3277926
(47) 16.09.2020	HAEBERLE, David, C.	(21) EP15713759.7
(87) US2013040254	PHI, Manh, V.	(47) 16.09.2020
13.11.2014	SIEGMAN, Michael, J. c/o ExxonMobil Production	(87) EP2015057230
(22) 09.05.2013	(31) 765023 P	06.10.2016
(54) STEERING TOOL WITH ECCENTRIC SLEEVE AND METHOD OF USE	775434 P	(22) 01.04.2015
(73) Halliburton Energy Services Inc.	(32) 03.02.2006	(54) CONTROL UNIT FOR MINING MACHINE
(72) DIAZ, Excelino	22.02.2006	(73) Sandvik Intellectual Property AB
<hr/>	(33) United States of America	(72) POGATSCHNIGG, Reinhold
(51) E21B 17/042	United States of America	UMUNDUM, Christian
F16L 15/00	<hr/>	<hr/>
F16L 15/04	(51) E21B 34/06	(51) E21D 11/38
(11) EP3572703	E21B 43/08	F16L 55/162
(21) EP18741475.0	E21B 43/12	F16L 55/163
(47) 16.09.2020	E21B 43/14	(11) EP3242068
(87) JP2018001242	(11) EP3527776	(21) EP17000720.7
26.07.2018	(21) EP19167570.1	(47) 16.09.2020
(22) 17.01.2018	(47) 16.09.2020	(22) 27.04.2017
(54) THREADED JOINT	(22) 15.02.2013	(54) METHOD FOR PERMANENTLY SEALING A PIPE JOINT AND PIPE JOINT BETWEEN TWO WASTE WATER PIPE ENDS
(73) Nippon Steel Corporation	(54) WIRELESS ACTIVATABLE VALVE ASSEMBLY	(73) Angrick, Frank
Vallourec Oil and Gas France	(73) Halliburton Energy Services Inc.	(72) Angrick, Frank
(72) MARUTA, Satoshi	(72) FRIPP, Michael	(31) 102016005290
OKU, Yousuke	Bonner, Aaron J	(32) 30.04.2016
(31) 2017006319	(31) PCT/US2013/025424	(33) Germany
(32) 18.01.2017	(32) 08.02.2013	<hr/>
(33) Japan	(33) World Intellectual Property Office (WIPO)	(51) F01C 1/22
<hr/>	<hr/>	F01C 19/02
(51) E21B 23/00	(51) E21B 36/00	F01C 21/08
E21B 33/128	E21B 36/04	(11) EP3192965
(11) EP3309350	E21B 43/26	(21) EP17157825.5
(21) EP17201691.7	(11) EP3551839	(47) 16.09.2020
(47) 16.09.2020	(21) EP17822858.1	(22) 11.02.2015
(22) 19.06.2012	(47) 16.09.2020	(54) ROTARY ENGINE ROTOR
(54) PROCESSES FOR FRACTURING A WELL	(87) US2017065003	(73) UAV Engines Ltd
(73) Weatherford Technology Holdings, LLC	14.06.2018	(72) RICHMOND, Roy
(72) SNIDER, Philip M	(22) 07.12.2017	BIDDULPH, Chris
(31) 201113210473		BAGNELL, Jon
(32) 16.08.2011		
(33) United States of America		

(51) F01D 5/02 F01D 5/30 F01D 5/32	(51) F01D 5/14 F01D 5/18	(54) SUPPORT DEVICE FOR A HOUSING OF A TURBOMACHINE, HOUSING FOR A TURBOMACHINE AND TURBOMACHINE
(11) EP2971570	(11) EP3196410	(73) MTU Aero Engines AG
(21) EP14774902.2	(21) EP17152011.7	(72) Metscher, Martin
(47) 16.09.2020	(47) 16.09.2020	Hägert, Jan
(87) US2014016830	(22) 18.01.2017	(31) 102017221669
02.10.2014	(54) DUAL WALL AIRFOIL	(32) 01.12.2017
(22) 18.02.2014	(73) Rolls-Royce North American Technologies, Inc.	(33) Germany
(54) FAN BLADE DOVETAIL AND SPACER	Rolls-Royce Corporation	(51) F01D 11/16
(73) United Technologies Corporation	(72) Heffernan, Tab M.	F01D 25/24
(72) WHITEHURST, Sean A.	Rhodes, Jeffrey F.	(11) EP3543472
MCCOMB, Patrick James	Dierksmeier, Douglas D.	(21) EP19152410.7
MCKAVENEY, Christopher S.	Kwon, Okey	(47) 16.09.2020
(31) 201361777118 P	(31) 201615004970	(22) 17.01.2019
(32) 12.03.2013	(32) 24.01.2016	(54) RETENTION AND CONTROL SYSTEM FOR TURBINE SHROUD RING
(33) United States of America	(33) United States of America	(73) Honeywell International Inc.
(51) F01D 5/04	(51) F01D 5/14	(72) WALDMAN, David R.
F01D 5/14	F01D 5/18	TILLMAN, Donald W.
F02B 39/00	(11) EP3498973	STANLEY, Ryon James
(11) EP3401525	(21) EP18206204.2	MARTINEZ, Edwin
(21) EP16892535.2	(47) 16.09.2020	(31) 201815926137
(47) 16.09.2020	(22) 14.11.2018	(32) 20.03.2018
(87) JP2016056381	(54) AEROFOIL FOR A GAS TURBINE ENGINE AND METHOD OF MANUFACTURE	(33) United States of America
08.09.2017	(73) Rolls-Royce plc	(51) F01D 11/24
(22) 02.03.2016	(72) Harding, Adrian	F01D 25/14
(54) TURBINE WHEEL, RADIAL TURBINE, AND TURBOCHARGER	(31) 201720829	(11) EP3012415
(73) Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.	(32) 14.12.2017	(21) EP15189111.6
(72) YOSHIDA Toyotaka	(33) United Kingdom	(47) 16.09.2020
YOKOYAMA Takao	(51) F01D 5/18	(22) 09.10.2015
(51) F01D 5/08	(11) EP3020923	(54) TURBO MACHINE WITH THERMAL EXPANSION CONTROL AND METHOD FOR OPERATING SUCH TURBO MACHINE
F01D 9/06	(21) EP15192595.5	(73) Ansaldo Energia IP UK Limited
F01D 25/00	(47) 16.09.2020	(72) Farkas, Janos
F01D 25/32	(22) 02.11.2015	Cataldi, Giovanni
(11) EP2489834	(54) COOLED TURBINE BLADE	Rocchi, Matteo
(21) EP12155465.3	(73) United Technologies Corporation	(31) 14189584
(47) 16.09.2020	(72) SPANGLER, Brandon W.	(32) 20.10.2014
(22) 14.02.2012	(31) 201462078611 P	(33) European Patent Office (EPO)
(54) Apparatus, method and system for separating particles from a fluid stream	(32) 12.11.2014	(51) F01D 17/10
(73) General Electric Company	(33) United States of America	F02C 9/18
(72) Hynum, Daniel	(51) F01D 9/02	F04D 27/02
Giametta, Andrew P.	F01D 21/00	F04D 29/66
(31) 201113030187	H04N 7/18	(11) EP3387260
(32) 18.02.2011	(11) EP2705304	(21) EP16819614.5
(33) United States of America	(21) EP12716986.0	(47) 16.09.2020
(51) F01D 5/14	(47) 16.09.2020	(87) FR2016053243
F01D 5/18	(87) US2012033893	15.06.2017
(11) EP2511475	08.11.2012	(22) 07.12.2016
(21) EP12162988.5	(22) 17.04.2012	(54) SYSTEM FOR DISCHARGING A COMPRESSOR FLOW OF A TURBINE ENGINE
(47) 16.09.2020	(54) INSPECTION SYSTEM FOR A COMBUSTOR OF A TURBINE ENGINE	(73) Safran Aircraft Engines
(22) 03.04.2012	(73) Siemens Energy, Inc.	(72) REGNARD, Josselin, David, Florian
(54) METHOD OF FABRICATING A COMPONENT FOR A GAS TURBINE ENGINE	(72) HATCHER, Clifford	BAUDOIN, Laurent, Louis, Robert
(73) General Electric Company	RUHGE, Forrest R.	(31) 1561941
(72) Rebak, Raul Basilio	DORAN, Ian T.	(32) 07.12.2015
Bunker, Ronald Scott	SHANNON, Robert G.	(33) France
Kool, Lawrence Bernard	LEMIEUX, Dennis H.	(51) F01D 17/16
Lipkin, Don Mark	(31) 201113101338	F01D 25/28
McDermott, John Brian	(32) 05.05.2011	(11) EP3502424
Ritter, Ann Melinda	(33) United States of America	(21) EP17208576.3
Rohling, Renee Bushey	(51) F01D 9/04	(47) 16.09.2020
(31) 201113083701	F01D 25/28	(22) 19.12.2017
(32) 11.04.2011	(11) EP3492712	
(33) United States of America	(21) EP18208584.5	
	(47) 16.09.2020	
	(22) 27.11.2018	

(54) METHOD OF MANUFACTURING A RING FOR CONTROLLING THE ANGULAR POSITION OF BLADES OF A STATIONARY TURBOMACHINE BLADE ASSEMBLY	(54) AN ADJUSTABLE RESONATOR ASSEMBLY AND A METHOD FOR REDUCING ACOUSTIC EMISSIONS IN A GAS FLOW SYSTEM	(22) 20.12.2017
(73) Cimos D.D.	(73) Alcatel Lucent	(54) COOLING SYSTEM OF THE ENGINE OF A MOTORCYCLE
(72) CAFUTA, Gasper OPARA, Tomaz	(72) MARTIN, Adam AKALANNE, Lucius Chidi KERSLAKE, Simon	(73) PIAGGIO & C. S.p.A. (72) DOVERI, Stefano (31) 201600130142 (32) 22.12.2016 (33) Italy
(51) F01D 25/28	(51) F01N 3/021	(51) F02B 29/04
(11) EP2904219	F01N 3/10	F02D 21/08
(21) EP13773681.5	F01N 3/20	F02D 23/00
(47) 16.09.2020	F01N 9/00	F02D 41/00
(87) EP2013070430	F01N 13/00	F02D 41/14
08.05.2014	(11) EP3473826	F02M 35/10
(22) 01.10.2013	(21) EP18200279.0	F02M 26/00
(54) AUXILIARY DEVICE	(47) 16.09.2020	F02M 26/06
(73) Siemens Aktiengesellschaft	(22) 13.10.2018	(11) EP3244055
(72) KARTHEUSER, Frank KLAVE, Jean KRABIELL, Kay	(54) ENGINE EXHAUST AFTERTREATMENT SYSTEM AND METHOD	(21) EP17175048.2 (47) 16.09.2020 (22) 27.03.2015
(31) 12190629	(73) Perkins Engines Company Ltd	(54) EGR SYSTEM FOR INTERNAL-COMBUSTION ENGINE
(32) 30.10.2012	(72) RUTLEDGE, John M.	(73) DENSO CORPORATION
(33) European Patent Office (EPO)	(31) 201717016	(72) MINAMI, Keitarou ICHIHARA, Hideaki
(51) F01K 13/02	(32) 17.10.2017	(31) 2014075938
F01K 23/10	(33) United Kingdom	(32) 02.04.2014
H02J 3/24	(51) F01N 3/023	(33) Japan
H02J 3/38	F01N 3/10	(51) F02B 63/04
H02J 3/46	F01N 9/00	F02M 37/00
(11) EP2056421	F02D 41/02	F02M 37/08
(21) EP08165709.0	F02D 41/14	H01H 19/635
(47) 16.09.2020	F01N 13/00	(11) EP3396149
(22) 02.10.2008	(11) EP2864601	(21) EP18164537.5
(54) Method and system for power plant block loading	(21) EP12879371.8 (47) 16.09.2020	(47) 16.09.2020
(73) General Electric Company	(87) US2012043524	(22) 28.03.2018
(72) Kirchof, Darrin Glen Sweet, Bryan Edward Minto, Karl Dean	(22) 21.06.2012	(54) LINK STRUCTURE
(31) 927883	(54) METHOD FOR DETECTING ABNORMALLY FREQUENT DIESEL PARTICULATE FILTER REGENERATION, ENGINE AND EXHAUST AFTER TREATMENT SYSTEM, AND WARNING SYSTEM AND METHOD	(73) Honda Motor Co., Ltd. (72) MATSUNAGA, Yoshihiro SASAJIMA, Takeshi ABE, Yasutomo OSHIDA, Yuki
(32) 30.10.2007	(73) Mack Trucks, Inc.	(31) 2017089558
(33) United States of America	(72) DONG, Qunlong MARLEY, Jeffrey	(32) 28.04.2017 (33) Japan
(51) F01M 11/10	(51) F01N 3/20	(51) F02B 75/04
F02D 35/00	(11) EP3358158	F16C 7/06
F02D 41/00	(21) EP18152163.4	(11) EP3364010
F02D 41/06	(47) 16.09.2020	(21) EP18154391.9
F02D 41/22	(22) 17.01.2018	(47) 16.09.2020
F02D 45/00	(54) EXHAUST GAS PURIFICATION DEVICE	(22) 31.01.2018
(11) EP3150829	(73) Mitsubishi Jidosha Kogyo Kabushiki Kaisha	(54) CONNECTING ROD FOR A COMBUSTION ENGINE WITH VARIABLE COMPRESSION
(21) EP15803253.2	(72) Kawashima, Kazuhito Anoda, Hiroshi Kato, Ryoji Takahashi, Masashi Sato, Daisuke	(73) ECO Holding 1 GmbH (72) Huber, David Schulze, Dietmar Hutzelmann, Stefanie
(47) 16.09.2020	(31) 2017017582	(31) 102017103379 102017121630
(87) KR2015005542	(32) 02.02.2017	(32) 20.02.2017
10.12.2015	(33) Japan	19.09.2017
(22) 02.06.2015	(51) F01P 5/06	(33) Germany Germany
(54) APPARATUS AND METHOD FOR CONTROLLING ENGINE	(11) EP3559424	(51) F02B 75/04
(73) Doosan Infracore Co., Ltd.	(21) EP17816893.6	F16C 7/06
(72) YU, Jin-hwan KIM, Chung-min	(47) 16.09.2020	F16K 11/00
(31) 20140066885	(87) EP2017083834	F16K 15/14
(32) 02.06.2014	28.06.2018	
(33) Korea (Republic)		
(51) F01N 1/02		
F02M 35/12		
F04D 29/66		
(11) EP3156664		
(21) EP15306615.4		
(47) 16.09.2020		
(22) 13.10.2015		

(11) EP3399168	(31) 201462066449 P	F02D 29/02
(21) EP18167913.5	(32) 21.10.2014	B60W 30/02
(47) 16.09.2020	(33) United States of America	B60W 30/182
(22) 18.04.2018	(51) F02C 7/18	(11) EP3075990
(54) CONNECTING ROD FOR A COMBUSTION ENGINE WITH VARIABLE COMPRESSION HAVING HYDRAULIC MODULE WITH A SELECTOR VALVE FOR CONTROLLING A HYDRAULIC FLUID STREAM	F23R 3/00	(21) EP14866292.7
(73) ECO Holding 1 GmbH	F23R 3/06	(47) 16.09.2020
(72) Rupp, Wolfgang	(11) EP3101344	(87) JP2014080644
Mudra, Alexander	(21) EP16162429.1	04.06.2015
Schulze, Dietmar	(47) 16.09.2020	(22) 19.11.2014
(31) 102017109574	(22) 24.03.2016	(54) VEHICLE CONTROL DEVICE
102017121236	(54) COMBUSTOR PANELS AND CONFIGURATIONS FOR A GAS TURBINE ENGINE	(73) Mitsubishi Jidosha Kogyo Kabushiki Kaisha
(32) 04.05.2017	(73) United Technologies Corporation	(72) KATO, Tomo
13.09.2017	(72) PROPHETER-HINCKLEY, Tracy A.	(31) 2013247334
(33) Germany	MONGILLO, Dominic J.	(32) 29.11.2013
Germany	ZELESKY, Mark F.	(33) Japan
(51) F02C 3/30	WAGNER, Joel H.	(51) F02D 29/06
F02C 9/28	SOWA, William A.	F02D 41/08
(11) EP3358166	(31) 201514673622	F02D 41/14
(21) EP18153783.8	(32) 30.03.2015	F02D 41/16
(47) 16.09.2020	(33) United States of America	H02P 9/00
(22) 29.01.2018	(51) F02C 7/18	H02P 9/10
(54) HUMID AIR TURBINE	F23R 3/08	(11) EP3301282
(73) Mitsubishi Hitachi Power Systems, Ltd.	F23R 3/48	(21) EP17192708.0
(72) IWAI, Yasushi	(11) EP3184897	(47) 16.09.2020
ARAKI, Hidefumi	(21) EP15845067.6	(22) 22.09.2017
TAKEDA, Takuya	(47) 16.09.2020	(54) VEHICLE
(31) 2017019348	(87) JP2015076703	(73) Yamaha Hatsudoki Kabushiki Kaisha
(32) 06.02.2017	31.03.2016	(72) OBA, Tatsuhiro
(33) Japan	(22) 18.09.2015	NISHIKAWA, Takahiro
(51) F02C 3/34	(54) BURNER AND GAS TURBINE	KAJIWARA, Kenichi
F02C 6/18	(73) Mitsubishi Hitachi Power Systems, Ltd.	(31) 2016189635
F02C 9/28	(72) TSUNODA, Naoki	(32) 28.09.2016
(11) EP3068993	TAKIGUCHI, Satoshi	(33) Japan
(21) EP14816032.8	AKAMATSU, Shinji	(51) F02D 41/12
(47) 16.09.2020	NISHIDA, Koichi	F02D 41/14
(87) US2014067975	TANAKA, Katsunori	(11) EP3198129
11.06.2015	(31) 2014195035	(21) EP15781719.8
(22) 01.12.2014	(32) 25.09.2014	(47) 16.09.2020
(54) SYSTEM AND METHOD FOR A GAS TURBINE ENGINE	(33) Japan	(87) IB2015001732
(73) ExxonMobil Upstream Research Company	(51) F02C 9/26	31.03.2016
(72) HUNTINGTON, Richard A.	F23L 7/00	(22) 21.09.2015
DHANUKA, Sulabh K.	F23N 1/02	(54) CONTROL DEVICE AND CONTROL METHOD OF INTERNAL COMBUSTION ENGINE
(31) 201361911912 P	F23N 5/00	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
201414553458	F23R 3/34	(72) KATO, Mie
(32) 04.12.2013	(11) EP3265724	(31) 2014197595
25.11.2014	(21) EP16710587.3	(32) 26.09.2014
(33) United States of America	(47) 16.09.2020	(33) Japan
United States of America	(87) US2016020884	(51) F02D 41/22
(51) F02C 7/08	15.09.2016	F02M 37/00
F02K 3/115	(22) 04.03.2016	G01N 9/00
(11) EP3012443	(54) FUEL STAGING IN A GAS TURBINE ENGINE	(11) EP3194902
(21) EP15190883.7	(73) ExxonMobil Upstream Research Company	(21) EP14777466.5
(47) 16.09.2020	Simons, Derrick Walter	(47) 16.09.2020
(22) 21.10.2015	General Electric Company	(87) US2014056229
(54) ADDITIVE MANUFACTURED DUCTED HEAT EXCHANGER SYSTEM WITH ADDITIVELY MANUFACTURED FAIRING	(72) SIMONS, Derrick Walter	24.03.2016
(73) United Technologies Corporation	SLOBODYANSKIY, Ilya Aleksandrovich	(22) 18.09.2014
(72) SCHMITZ, John T.	SIDKO, Igor Petrovich	(54) METHOD AND APPARATUS FOR DETERMINING DIFFERENTIAL DENSITY
	(31) 201562129708 P	(73) Micro Motion, Inc.
	201615059143	(72) ZIMMER, Patrick John
	(32) 06.03.2015	HOUGHTON, John Ansdell
	02.03.2016	(51) F02F 1/00
	(33) United States of America	F16J 10/04
	United States of America	C23C 4/06
	(51) F02D 17/00	

C23C 4/067	(51) F02P 11/02	(31) 201570315
(11) EP3428306	F02P 15/08	201570721
(21) EP18189441.1	F02P 17/12	(32) 27.05.2015
(47) 16.09.2020	(11) EP3069014	09.11.2015
(22) 19.05.2014	(21) EP14786676.8	(33) Denmark
(54) CYLINDER BLOCK FOR INTERNAL COMBUSTION ENGINE AND SLIDING MECHANISM FOR INTERNAL COMBUSTION ENGINE	(47) 16.09.2020	Denmark
(73) Nissan Motor Co., Ltd.	(87) EP2014072533	(51) F03D 7/02
(72) HAMADA, Takahiro	21.05.2015	(11) EP3317519
IKEDA, Akihiro	(22) 21.10.2014	(21) EP16734180.9
NAKAJIMA, Masaya	(54) METHOD FOR OPERATING AN IGNITION SYSTEM	(47) 16.09.2020
SATOU, Nobuhiko	(73) Robert Bosch GmbH	(87) DK2016050217
(31) 2013143183	(72) SKOWRONEK, Tim	05.01.2017
(32) 09.07.2013	PAWLAK, Thomas	(22) 23.06.2016
(33) Japan	SINZ, Wolfgang	(54) CONTROL METHOD AND SYSTEM FOR WIND TURBINES
(51) F02K 9/40	(31) 102013223182	(73) Vestas Wind Systems A/S
F02K 9/64	102014216024	(72) SPRUCE, Chris
(11) EP2933469	(32) 14.11.2013	(31) 201570418
(21) EP15001125.2	13.08.2014	(32) 30.06.2015
(47) 16.09.2020	(33) Germany	(33) Denmark
(22) 17.04.2015	Germany	(51) F03D 7/02
(54) METHOD AND DEVICE FOR PRODUCING A HIGHLY EMISSIVE SURFACE STRUCTURE OF A RADIATION COOLED COMBUSTION CHAMBER	(51) F03D 1/02	F03D 7/04
(73) ArianeGroup GmbH	F03D 7/04	H02H 7/30
(72) Kraus, Stephan	(11) EP3256724	H02J 3/00
Hartmann, Gerhard	(21) EP16705022.8	H02J 3/16
Riehle, Martin	(47) 16.09.2020	H02J 3/24
Caesar, Christoph	(87) DK2016050039	H02J 3/38
(31) 102014005648	18.08.2016	H02P 9/00
(32) 17.04.2014	(22) 12.02.2016	F03D 9/00
(33) Germany	(54) CONTROL SYSTEM HAVING LOCAL AND CENTRAL CONTROLLERS FOR WIND TURBINE SYSTEM HAVING MULTIPLE ROTORS	(11) EP3061170
(51) F02M 26/24	(73) Vestas Wind Systems A/S	(21) EP14780751.5
F02M 26/25	(72) MIRANDA, Erik Carl Lehnskov	(47) 16.09.2020
F02M 26/32	(31) 201570079	(87) DK2014050306
F02M 26/53	(32) 12.02.2015	30.04.2015
(11) EP3553304	(33) Denmark	(22) 26.09.2014
(21) EP18166599.3	(51) F03D 7/02	(54) A METHOD FOR CONTROLLING A WIND POWER PLANT AND A WIND POWER PLANT
(47) 16.09.2020	(11) EP3224473	(73) Vestas Wind Systems A/S
(22) 10.04.2018	(21) EP15801320.1	(72) GUPTA, Manoj
(54) DEVICE FOR COOLING AN EXHAUST GAS RECIRCULATION (EGR) FLOW OF AN INTERNAL COMBUSTION ENGINE	(47) 16.09.2020	GUPTA, Amit Kumar
(73) FCA Italy S.p.A.	(87) DK2015050360	GURU, Dilip Kumar
(72) PETRONIO, Domenico	02.06.2016	(31) 201370598
PIETRAFESA, Vincenzo	(22) 23.11.2015	(32) 21.10.2013
(51) F02P 3/02	(54) OVER-RATING CONTROL OF A WIND TURBINE	(33) Denmark
F02P 13/00	(73) Vestas Wind Systems A/S	(51) F03D 7/02
H01F 38/12	(72) SPRUCE, Chris	F03D 17/00
H01R 13/24	BJERREGAARD, Søren Lund	(11) EP3519693
H01T 13/44	RASMUSSEN, Poul Oslo	(21) EP17778180.4
(11) EP2462340	HALES, Kelvin	(47) 16.09.2020
(21) EP10730479.2	(31) 201470730	(87) DK2017050312
(47) 16.09.2020	(32) 24.11.2014	05.04.2018
(87) EP2010059994	(33) Denmark	(22) 27.09.2017
10.02.2011	(51) F03D 7/02	(54) CONTROL METHOD FOR A WIND TURBINE
(22) 12.07.2010	(11) EP3303834	(73) Vestas Wind Systems A/S
(54) IGNITION COIL, SPARK PLUG AND IGNITION ASSEMBLY	(21) EP16726773.1	(72) NIELSEN, Johnny
(73) Robert Bosch GmbH	(47) 16.09.2020	(31) PA201670770
(72) STEINBERGER, Werner	(87) DK2016050143	(32) 29.09.2016
(31) 102009035897	01.12.2016	(33) Denmark
(32) 03.08.2009	(22) 24.05.2016	(51) F03D 7/02
(33) Germany	(54) CONTROL OF A WIND TURBINE TAKING FATIGUE MEASURE INTO ACCOUNT	F03D 80/00
	(73) Vestas Wind Systems A/S	(11) EP3280911
	(72) HAMMERUM, Keld	(21) EP16714916.0
	HOVGAARD, Tobias Gybel	(47) 16.09.2020
		(87) EP2016057619
		13.10.2016
		(22) 07.04.2016

(54) ADJUSTING DEVICE FOR ADJUSTING A ROTOR BLADE OF A WIND TURBINE	(54) CONTROLLER UNIT FOR CONTROLLING THE SPEED OF A MOTOR DRIVING AN OIL INJECTED COMPRESSOR AND METHOD OF CONTROLLING SAID SPEED	F04D 29/047 F04D 29/42
(73) Wobben Properties GmbH	(73) Atlas Copco Airpower, Naamloze Vennootschap	(11) EP3246575
(72) EDEN, Georg	(72) MOENS, Wim	(21) EP17175989.7
(31) 102015206488	(31) 201662412540 P	(47) 16.09.2020
(32) 10.04.2015	(32) 25.10.2016	(22) 24.10.2012
(33) Germany	(33) United States of America	(54) MAGNETIC DRIVE PUMP
(51) F03D 9/00	(51) F04C 18/02	(73) Assoma Inc.
F03D 9/25	(11) EP3546757	(72) CHIEN, Huan-Jan
F03D 13/20	(21) EP19165441.7	WANG, Chin-Cheng
F03D 80/80	(47) 16.09.2020	SHIH, Chih-Hsien
(11) EP2725223	(22) 27.03.2019	SHIH, Chih-Kuan
(21) EP13184407.8	(54) SCROLL COMPRESSOR	(31) 100140138
(47) 16.09.2020	(73) Kabushiki Kaisha Toyota Jidoshokki	(32) 03.11.2011
(22) 13.09.2013	(72) MAEDA, Takumi	(33) Taiwan, Province of China
(54) Wind power plant group	OTA, Takayuki	(51) F04D 15/00
(73) 2-B Energy Holding B.V.	TOZAWA, Kosaku	F04D 29/42
(72) Jakobsson, Johan Mikael	YAMASHITA, Takuro	F04D 29/48
Peels, Huibertus	HATTORI, Yuya	F16K 11/048
(31) 102012108577	TOMOTA, Tatsunori	F24D 3/02
(32) 13.09.2012	KONDOH, Yasuhiro	F24D 3/10
(33) Germany	SHIBATA, Kazuki	(11) EP3156659
(51) F03D 13/40	HORI, Etsuko	(21) EP15189320.3
(11) EP3510280	SUZUKI, Hideyuki	(47) 16.09.2020
(21) EP17792010.5	FUKAWA, Kimihiro	(22) 12.10.2015
(47) 16.09.2020	(31) 2018060410	(54) PUMP UNIT AND HYDRAULIC SYSTEM
(87) EP2017076684	2019053652	(73) Grundfos Holding A/S
17.05.2018	(32) 27.03.2018	(72) Blad, Thomas
(22) 19.10.2017	20.03.2019	Mønster, Peter
(54) TRANSPORT ASSEMBLY	(33) Japan	(51) F04D 17/12
(73) Siemens Gamesa Renewable Energy A/S	Japan	F04D 29/44
(72) JENSEN, Jens Hald	(51) F04C 18/356	(11) EP3568597
PEDERSEN, Jesper Bjerre	F04C 23/00	(21) EP18707245.9
SOEE, Jeppe	(11) EP3492748	(47) 16.09.2020
(31) 102016222212	(21) EP16910097.1	(87) EP2018052852
(32) 11.11.2016	(47) 16.09.2020	20.09.2018
(33) Germany	(87) CN2016092117	(22) 06.02.2018
(51) F03G 6/06	01.02.2018	(54) RETURN STAGE AND RADIAL TURBO FLUID ENERGY MACHINE
G02B 17/06	(22) 28.07.2016	(73) Siemens Aktiengesellschaft
G02B 19/00	(54) COMPRESSOR AS WELL AS COOLING-HEATING REFRIGERATION DEVICE AND COOLING-ONLY REFRIGERATION DEVICE HAVING SAME	(72) PENTRY, Nico
F24S 23/75	(73) Guangdong Meizhi Compressor Co., Ltd.	(31) 17161002
(11) EP2580617	(72) YANG, Guoyong	(32) 15.03.2017
(21) EP11724706.4	(51) F04D 1/06	(33) European Patent Office (EPO)
(47) 16.09.2020	F04D 29/10	(51) F04D 17/16
(87) GB2011000836	(11) EP2716914	F04D 29/42
15.12.2011	(21) EP13186586.7	F04D 29/44
(22) 01.06.2011	(47) 16.09.2020	F04D 29/66
(54) LOW COST FOCUSING SYSTEM GIVING HIGH CONCENTRATIONS	(22) 30.09.2013	F24F 7/007
(73) Oxford University Innovation Limited	(54) Centrifugal electric pump	(11) EP3372838
(72) BAILEY, Paul, Brian	(73) Dab Pumps S.p.A.	(21) EP18160318.4
DADD, Michael, William	(72) Tazioli, Stefano	(47) 16.09.2020
STONE, Charles, Richard	Sinico, Francesco	(22) 06.03.2018
JELLEY, Nicholas, Alfred	(31) PD20120284	(54) VENTILATION SYSTEM WITH AN AIR GUIDE ASSEMBLY
(31) 201009852	(32) 02.10.2012	(73) ebm-papst Mulfingen GmbH & Co. KG
(32) 11.06.2010	(33) Italy	(72) Schöne, Jürgen
(33) United Kingdom	(51) F04D 13/02	Conrad, Daniel
(51) F04B 49/06	F04D 29/041	Strehle, Michael
F04B 49/20		Gebert, Daniel
F04C 28/08		Müller, Jens
F04C 28/28		Sudler, Björn
(11) EP3532730		Haaf, Oliver
(21) EP17794421.2		(31) 102017104779
(47) 16.09.2020		(32) 07.03.2017
(87) IB2017056491		(33) Germany
03.05.2018		(51) F04D 19/04
(22) 19.10.2017		F04D 29/063

- (11) EP3650702
(21) EP18205646.5
(47) 16.09.2020
(22) 12.11.2018
(54) USE OF A SYNTHETIC OIL IN A VACUUM PUMP AND VACUUM PUMP
(73) PFEIFFER VACUUM GMBH
(72) KOCl, Bernd
-
- (51) F04D 29/32
F04D 29/38
F04D 29/66
F04D 29/68
(11) EP3321511
(21) EP16834847.2
(47) 16.09.2020
(87) JP2016063878
16.02.2017
(22) 10.05.2016
(54) AIR BLOWER AND AIR CONDITIONING DEVICE EQUIPPED WITH AIR BLOWER
(73) Mitsubishi Electric Corporation
(72) SAKODA, Kenichi
FUKUI, Tomoya
OISHI, Masayuki
(31) 2015158258
(32) 10.08.2015
(33) Japan
-
- (51) F04D 29/38
F04D 29/66
(11) EP3217018
(21) EP14905593.1
(47) 16.09.2020
(87) JP2014079190
12.05.2016
(22) 04.11.2014
(54) PROPELLER FAN, PROPELLER FAN DEVICE, AND OUTDOOR EQUIPMENT FOR AIR-CONDITIONING DEVICE
(73) Mitsubishi Electric Corporation
(72) NAKASHIMA, Seiji
KONO, Atsushi
YAMAMOTO, Katsuyuki
IKEDA, Takashi
-
- (51) F04D 29/38
F04D 29/66
F04D 29/68
(11) EP3354904
(21) EP18157191.0
(47) 16.09.2020
(22) 07.04.2016
(54) FAN BLADE SURFACE FEATURES
(73) Horton, Inc.
(72) Schilling, Hugh
Hennesy, David R.
Cahill, Kevin
(31) 201562144681 P
201562210166 P
(32) 08.04.2015
26.08.2015
(33) United States of America
United States of America
-
- (51) F04F 5/20
F04F 5/52
(11) EP3599381
(21) EP19181569.5
(47) 16.09.2020
(22) 21.06.2019
- (54) WORKPIECE HANDLING DEVICE AND DEVICE FOR CONTROLLING THE FUNCTIONING OF A SUCTION GRIPPER OF A WORKPIECE HANDLING DEVICE
(73) Trumpf Sachsen GmbH
(72) KOWAL, Franz
BUSCH, Marcus
(31) 102018117768
(32) 23.07.2018
(33) Germany
-
- (51) F15B 11/04
F15B 15/08
F15B 15/14
F15B 15/24
G05B 19/00
(11) EP3172450
(21) EP15824362.6
(47) 16.09.2020
(87) US2015030290
28.01.2016
(22) 12.05.2015
(54) ACTUATOR LIMIT CONTROLLER
(73) Boston Dynamics, Inc.
(72) PERKINS, Alex
BLANKESPOOR, Kevin
RIZZI, Alfred
(31) 201462028546 P
201414489778
(32) 24.07.2014
18.09.2014
(33) United States of America
United States of America
-
- (51) F15B 13/04
(11) EP2243964
(21) EP10158618.8
(47) 16.09.2020
(22) 31.03.2010
(54) Control valve
(73) Nordhydraulic AB
(72) Hågglund, Per
Marklund, Martin
(31) 0900563
(32) 24.04.2009
(33) Sweden
-
- (51) F15B 15/14
F15B 15/20
(11) EP2761189
(21) EP12768728.3
(47) 16.09.2020
(87) EP2012004096
04.04.2013
(22) 28.09.2012
(54) HYDRAULIC CYLINDER WITH VALVE DEVICE
(73) Nordhydraulic AB
(72) LUNDGREN, Bertil
(31) 1150891
(32) 28.09.2011
(33) Sweden
-
- (51) F16B 1/00
G01F 25/00
(11) EP3514509
(21) EP18152376.2
(47) 16.09.2020
(22) 18.01.2018
(54) MONITORING SENSOR FOR DOSED QUANTITIES OF POWDER
- (73) Harro Höfliger Verpackungsmaschinen GmbH
(72) Müller, Daniel
Puppich, Thomas
-
- (51) F16B 12/38
A47B 88/90
(11) EP3580464
(21) EP18702997.0
(47) 16.09.2020
(87) EP2018052566
16.08.2018
(22) 01.02.2018
(54) DRAWER AND METHOD FOR MOUNTING A REAR PANEL ON A SIDE ROD OF A DRAWER BOX
(73) Paul Hettich GmbH & Co. KG
(72) RÜTER, Stefan
PRUTSCH, Andree
SCHWARZ, Michael
(31) 102017102643
(32) 10.02.2017
(33) Germany
-
- (51) F16B 12/38
A47B 88/925
(11) EP3579726
(21) EP18702998.8
(47) 16.09.2020
(87) EP2018052569
16.08.2018
(22) 01.02.2018
(54) DRAWER
(73) Paul Hettich GmbH & Co. KG
(72) RÜTER, Stefan
HEIMANN, Christian
SMOLLICH, Anne
(31) 102017102644
(32) 10.02.2017
(33) Germany
-
- (51) F16B 13/12
(11) EP3333434
(21) EP17206175.6
(47) 16.09.2020
(22) 08.12.2017
(54) WALL FIXINGS
(73) Metex Online Ltd
(72) Bamford, Daniel Caspar
(31) 201621114
(32) 12.12.2016
(33) United Kingdom
-
- (51) F16B 25/00
(11) EP2687735
(21) EP12177374.1
(47) 16.09.2020
(22) 20.07.2012
(54) Masonry screws
(73) Black & Decker Inc.
(72) Gaudron, Paul
Olsen, Jacob
-
- (51) F16B 35/04
(11) EP2696085
(21) EP13770400.3
(47) 16.09.2020
(87) JP2013061175
05.12.2013
(22) 15.04.2013
(54) ANTI-SEIZING BOLT
(73) Aoyama Seisakusho Co., Ltd.

(72) KONAGAYA, Satoshi YAMADA, Kenya KOGA, Kazuhiro	(21) EP11872775.9 (47) 16.09.2020 (87) US2011052568 28.03.2013	(22) 29.05.2017 (54) SELF-ADJUSTING CLUTCH (73) Schaeffler Technologies AG & Co. KG (72) LAKSHMINARAYANAN, Saravanan BAERWALD, Benjamin
(31) 2012125938 (32) 01.06.2012 (33) Japan	(22) 21.09.2011 (54) EXTERNAL ROLLING DIAPHRAGM OVERMOULDED HIGH SPEED CONSTANT VELOCITY JOINT BOOT	(31) 102016211604 (32) 28.06.2016 (33) Germany
(51) F16C 17/02 (11) EP3124810 (21) EP16181706.9 (47) 16.09.2020 (22) 28.07.2016 (54) FOIL BEARING WITH SPLIT KEY (73) Hamilton Sundstrand Corporation (72) McAuliffe, Christopher SANTIAGO, Anthony	(73) GKN Driveline North America, Inc. (72) MILLER, Michael, James COMPAU, Richard, Alfred	(51) F16D 13/64 D04H 3/002 D04H 3/10 D04H 18/02 (11) EP3219840 (21) EP17160920.9 (47) 16.09.2020 (22) 14.03.2017 (54) METHODS AND SYSTEMS FOR FORMING A FIBROUS PREFORM
(31) 201514812333 (32) 29.07.2015 (33) United States of America	(51) F16D 3/72 F16D 13/76 F16D 41/066 F16H 9/04 (11) EP3455515 (21) EP17723203.0 (47) 16.09.2020 (87) US2017030432 16.11.2017 (22) 01.05.2017 (54) ISOLATING DECOUPLER (73) Gates Corporation (72) SERKH, Alexander KLEYMAN, Ilya RAHDAR, Essie	(31) 201615070253 (32) 15.03.2016 (33) United States of America
(51) F16C 19/36 F16C 19/38 F16C 33/58 F16C 33/64 (11) EP3106689 (21) EP16174331.5 (47) 16.09.2020 (22) 14.06.2016 (54) BEARING RING COMPRISING RETAINING LIP (73) Aktiebolaget SKF (72) Wagner, Gerhard Sticht, Martina	(31) 201615154678 (32) 13.05.2016 (33) United States of America (51) F16D 7/04 F16D 13/54 F16D 43/21 (11) EP3401564 (21) EP18169386.2 (47) 16.09.2020 (22) 26.04.2018 (54) CLUTCH DEVICE AND STRADDLE- TYPE VEHICLE AND VEHICLE PROVIDED WITH SAME (73) Yamaha Hatsudoki Kabushiki Kaisha (72) MORISHITA, Shoichiro (31) 2017089562 (32) 28.04.2017 (33) Japan	(51) F16D 13/68 F16F 15/12 F16F 15/14 (11) EP3469229 (21) EP17742794.5 (47) 16.09.2020 (87) FR2017051428 14.12.2017 (22) 06.06.2017 (54) FRICTION DISK WITH PENDULAR DAMPING DEVICE (73) Valeo Embrayages (72) RUMEAU, Eric (31) 1655238 (32) 08.06.2016 (33) France
(31) 102015211062 (32) 16.06.2015 (33) Germany	(21) EP18169386.2 (47) 16.09.2020 (22) 26.04.2018 (54) CLUTCH DEVICE AND STRADDLE- TYPE VEHICLE AND VEHICLE PROVIDED WITH SAME (73) Yamaha Hatsudoki Kabushiki Kaisha (72) MORISHITA, Shoichiro (31) 2017089562 (32) 28.04.2017 (33) Japan	(51) F16D 21/06 F16H 57/025 (11) EP3353450 (21) EP16784227.7 (47) 16.09.2020 (87) FR2016052400 30.03.2017 (22) 22.09.2016 (54) TORQUE TRANSMISSION ASSEMBLY TO BE PROVIDED IN A MOTOR VEHICLE TRANSMISSION (73) Valeo Embrayages (72) ARHAB, Rabah RIBOT, Herve CAUMARTIN, Laurent THIBAUT, François DELPLACE, David
(51) F16C 19/52 F16C 35/07 (11) EP2436943 (21) EP11181689.8 (47) 16.09.2020 (22) 16.09.2011 (54) Rolling bearing protection device (73) ALSTOM Transport Technologies (72) Laitem, Claude Tripot, Gérard	(31) 102015211062 (32) 16.06.2015 (33) Germany (51) F16D 1/10 F16H 57/00 (11) EP3276212 (21) EP16181746.5 (47) 16.09.2020 (22) 28.07.2016 (54) CONNECTION ASSEMBLY FOR CONNECTING A COMPONENT, SUCH AS A SHAFT, HUB, SOCKET OR THE LIKE WITH A GEARWHEEL WITH THE COGGED GEAR HAVING HELICAL GEAR TEETH (73) IMS Gear SE & Co. KGaA (72) Stoppel, Eugen Oberle, Stephan Seidel, Manuel	(51) F16D 21/06 F16H 57/025 (11) EP3353450 (21) EP16784227.7 (47) 16.09.2020 (87) FR2016052400 30.03.2017 (22) 22.09.2016 (54) TORQUE TRANSMISSION ASSEMBLY TO BE PROVIDED IN A MOTOR VEHICLE TRANSMISSION (73) Valeo Embrayages (72) ARHAB, Rabah RIBOT, Herve CAUMARTIN, Laurent THIBAUT, François DELPLACE, David (31) 1559026 (32) 24.09.2015 (33) France
(31) 102015211062 (32) 16.06.2015 (33) Germany	(21) EP18169386.2 (47) 16.09.2020 (22) 26.04.2018 (54) CLUTCH DEVICE AND STRADDLE- TYPE VEHICLE AND VEHICLE PROVIDED WITH SAME (73) Yamaha Hatsudoki Kabushiki Kaisha (72) MORISHITA, Shoichiro (31) 2017089562 (32) 28.04.2017 (33) Japan (51) F16D 13/08 F16D 13/76 (11) EP3371472 (21) EP16791501.6 (47) 16.09.2020 (87) US2016058758 11.05.2017 (22) 26.10.2016 (54) ISOLATING DECOUPLER (73) Gates Corporation (72) SCHNEIDER, Dean SERKH, Alexander LANGHORST, Benjamin R.	(51) F16D 21/06 F16H 57/025 (11) EP3353450 (21) EP16784227.7 (47) 16.09.2020 (87) FR2016052400 30.03.2017 (22) 22.09.2016 (54) TORQUE TRANSMISSION ASSEMBLY TO BE PROVIDED IN A MOTOR VEHICLE TRANSMISSION (73) Valeo Embrayages (72) ARHAB, Rabah RIBOT, Herve CAUMARTIN, Laurent THIBAUT, François DELPLACE, David (31) 1559026 (32) 24.09.2015 (33) France
(51) F16D 1/10 F16H 57/00 (11) EP3276212 (21) EP16181746.5 (47) 16.09.2020 (22) 28.07.2016 (54) CONNECTION ASSEMBLY FOR CONNECTING A COMPONENT, SUCH AS A SHAFT, HUB, SOCKET OR THE LIKE WITH A GEARWHEEL WITH THE COGGED GEAR HAVING HELICAL GEAR TEETH (73) IMS Gear SE & Co. KGaA (72) Stoppel, Eugen Oberle, Stephan Seidel, Manuel	(31) 201514930278 (32) 02.11.2015 (33) United States of America (51) F16D 13/58 F16D 13/71 F16D 13/75 (11) EP3475592 (21) EP17730048.0 (47) 16.09.2020 (87) DE2017100452 04.01.2018	(51) F16D 25/0638 (11) EP3619442 (21) EP18723439.8 (47) 16.09.2020 (87) EP2018060834 08.11.2018 (22) 27.04.2018
(51) F16D 3/20 F16D 3/30 F16D 3/84 (11) EP2758685		

(54) CLUTCH DEVICE	(72) CHIMNER, Christan, Thomas	(54) CROWN BRAKE DEVICE FOR MOTOR-VEHICLES, AND WHEEL SUPPORT ASSEMBLY INCLUDING THIS DEVICE
(73) Daimler AG	(31) 201361780927 P	(73) FCA Italy S.p.A.
(72) SPERRFECHTER, Stefan	201361841311 P	(72) BADINO, Mr Renato
SCHWEITZER, Juergen	(32) 13.03.2013	LUCÀ, Stefano
BOU ROMANO, Josep, Maria	29.06.2013	SANDRI, Silvano
HAERTER, Tobias	(33) United States of America	
HAHN, Peter	United States of America	
ROMANIAK, Jakub	(51) F16D 48/06	(51) F16D 55/02
HUBEL, Hannes	F16H 61/664	F16D 55/22
(31) 102017004293	F16H 61/12	F16D 55/24
(32) 04.05.2017	(11) EP2861894	(11) EP3502506
(33) Germany	(21) EP13803512.6	(21) EP18208610.8
(51) F16D 25/0638	(47) 16.09.2020	(47) 16.09.2020
F16F 15/12	(87) US2013045580	(22) 27.11.2018
F16F 15/121	19.12.2013	(54) BRAKE ASSEMBLY WITH DISKS OF VARIABLE THICKNESS AND METHODS FOR DISK REUSE
F16F 15/131	(22) 13.06.2013	(73) Goodrich Corporation
B60K 6/387	(54) REDUNDANT CONTROLS FOR A MULTI-MODE TRANSMISSION	(72) O'NEIL, Matthew R.
B60K 6/40	(73) Allison Transmission, Inc.	REIBE, Gary C.
B60K 6/48	(72) LONG, Charles F.	(31) 201715822353
(11) EP3532324	WEBER, Darren J.	(32) 27.11.2017
(21) EP17787212.4	FULLER, John William Edward	(33) United States of America
(47) 16.09.2020	MURRAY, Stephen	
(87) EP2017077475	(31) 201261660666 P	(51) F16D 55/2255
03.05.2018	201313828072	F16D 65/00
(22) 26.10.2017	201313828093	(11) EP3492769
(54) TRANSMISSION DEVICE FOR A HYBRID VEHICLE	201313828107	(21) EP18170188.9
(73) Valeo Embrayages	201313828135	(47) 16.09.2020
(72) DOLE, Arnaud	(32) 15.06.2012	(22) 30.04.2018
THIBAUT, François	14.03.2013	(54) A DISC BRAKE
COMMEINE, Emmanuel	14.03.2013	(73) Meritor Heavy Vehicle Braking Systems (UK) Limited
LEBAS, Gilles	14.03.2013	(72) Shah, Neel
BACQ, Vincent	14.03.2013	Kinder, Adrian
(31) 1660466	(33) United States of America	(31) 17204464
(32) 27.10.2016	United States of America	(32) 29.11.2017
(33) France	United States of America	(33) European Patent Office (EPO)
(51) F16D 27/00	United States of America	
F16D 37/02	United States of America	(51) F16D 55/36
(11) EP3099954	(51) F16D 49/14	(11) EP3418601
(21) EP15742733.7	F16D 49/16	(21) EP18172450.1
(47) 16.09.2020	F16D 55/224	(47) 16.09.2020
(87) CA2015050074	F16D 59/02	(22) 15.05.2018
06.08.2015	F16D 65/16	(54) MULTI-DISK BRAKE ASSEMBLY WITH TRAVEL LIMIT PIN
(22) 02.02.2015	F16D 121/12	(73) Goodrich Corporation
(54) MAGNETORHEOLOGICAL FLUID CLUTCH APPARATUS AND CONTROL SYSTEMS	F16D 121/16	(72) KENDRICKS, Warren
(73) Société de Commercialisation des Produits de la Recherche Appliquée SOCPRA Sciences et Génie S.E.C.	(11) EP3455516	(31) 201715595244
(72) PLANTE, Jean-Sébastien	(21) EP17727076.6	(32) 15.05.2017
DENNINGER, Marc	(47) 16.09.2020	(33) United States of America
CHOUINARD, Patrick	(87) DE2017000121	
JULIÓ, Guifré	16.11.2017	(51) F16D 65/12
LUCKING BIGUÉ, Jean-Philippe	(22) 08.05.2017	(11) EP3581824
HUPPÉ, Nicolas	(54) BRAKING AND/OR CLAMPING DEVICE HAVING AN ACTUATION AND A SHAFT-COUPPLING ASSEMBLY	(21) EP19175401.9
DESROSIERS, Jean-François	(73) Zimmer, Martin	(47) 16.09.2020
(31) 201461934141 P	Zimmer, Günther	(22) 20.05.2019
(32) 31.01.2014	(72) Zimmer, Martin	(54) DISC BRAKE SYSTEM AND AIRCRAFT
(33) United States of America	Zimmer, Günther	(73) Airbus Helicopters
(51) F16D 48/06	(31) 102016005549	(72) PRUD'HOMME LACROIX, Pierre
(11) EP3409966	(32) 09.05.2016	AZZARELLO, Julien
(21) EP18170104.6	(33) Germany	(31) 1800599
(47) 16.09.2020	(51) F16D 53/00	(32) 12.06.2018
(22) 10.03.2014	(11) EP3561335	(33) France
(54) SYSTEM AND METHOD FOR CLUTCH PRESSURE CONTROL	(21) EP18168934.0	
(73) Eaton Corporation	(47) 16.09.2020	(51) F16D 65/18
	(22) 24.04.2018	(11) EP2886904
		(21) EP14169595.7
		(47) 16.09.2020
		(22) 23.05.2014

(54) Integral housing load cell system and apparatus	RECK, Siegfried LÜKER, Svenja	(72) LINDSTROM, James Kevin DUTIL, Kevin Gerard
(73) Goodrich Corporation	(31) 102016225185	LANNUTTI, Anthony E.
(72) Freshour, Thomas	(32) 15.12.2016	DUFFIELD, Chester E.
(31) 201313934558	(33) Germany	CRIST, Robert J.
(32) 03.07.2013	(51) F16H 1/22	(31) 201414193389
(33) United States of America	F16H 57/033	(32) 28.02.2014
(51) F16D 65/18	(11) EP3326270	(33) United States of America
F16D 65/56	(21) EP16827368.8	(51) F16H 25/18
F16D 66/02	(47) 16.09.2020	F16K 31/528
(11) EP2831458	(87) IL2016050795	F16H 57/04
(21) EP13711439.3	26.01.2017	(11) EP3149374
(47) 16.09.2020	(22) 21.07.2016	(21) EP15736613.9
(87) EP2013056154	(54) MODULAR MULTIENGINE SYSTEM	(47) 16.09.2020
03.10.2013	(73) Shamir, Shmuel Snir	(87) IB2015054069
(22) 22.03.2013	Shimshon, Nagar	03.12.2015
(54) DISK BRAKE HAVING A SENSOR DEVICE AND METHOD FOR DETERMINING WEAR AND AN ACTUATION STROKE OF A CORRESPONDING DISK BRAKE	(72) Shamir, Shmuel Snir Shimshon, Nagar	(22) 29.05.2015
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	(31) 201562195566 P 201562251212 P	(54) LEVER MECHANISM FOR CONVERTING A MOTION FROM LINEAR TO ROTARY
(72) KLINGNER, Matthias	(32) 22.07.2015	(73) Air Torque S.p.A.
CAMILLO-MARTINEZ, Jose	05.11.2015	(72) MARINONI, Antonio
STAAHL, Christian	(33) United States of America United States of America	ROTA, Santo
MILLER, Bernhard	(51) F16H 1/32	PARIS, Ignazio
TRIMPE, Robert	F16H 3/70	(31) MI20141002
SEIDENSCHWANG, Matthias	(11) EP3214341	(32) 30.05.2014
(31) 102012102582	(21) EP14904764.9	(33) Italy
(32) 26.03.2012	(47) 16.09.2020	(51) F16H 48/06
(33) Germany	(87) KR2014010698	(11) EP3369967
(51) F16F 7/12	06.05.2016	(21) EP17195239.3
F16F 9/00	(22) 07.11.2014	(47) 16.09.2020
F16F 9/02	(54) TRANSMISSION	(22) 06.10.2017
F16F 9/04	(73) Kwon, Yoon Gu	(54) DIFFERENTIAL FOR A MOTOR VEHICLE TRANSMISSION
F16F 9/06	(72) Kwon, Yoon Gu	(73) ZF Friedrichshafen AG
F16F 9/10	(31) 20140147850	(72) Holst, Sven
F16F 9/32	(32) 29.10.2014	(31) 102017203423
F16F 9/43	(33) Korea (Republic)	(32) 02.03.2017
(11) EP3519716	(51) F16H 7/08	(33) Germany
(21) EP17857273.1	(11) EP2901043	(51) F16H 48/24
(47) 16.09.2020	(21) EP13841958.5	F16H 48/32
(87) US2017053404	(47) 16.09.2020	(11) EP3156695
05.04.2018	(87) US2013062125	(21) EP15190268.1
(22) 26.09.2017	03.04.2014	(47) 16.09.2020
(54) OVERTRAVEL RELIEF ASSEMBLY FOR A GAS SPRING	(22) 27.09.2013	(22) 16.10.2015
(73) Dadco, Inc.	(54) PNEUMATICALLY ASSISTED CONTINUOUSLY VARIABLE TRANSMISSION	(54) DIFFERENTIAL LOCK ACTUATOR
(72) COTTER, Jonathan P.	(73) BRP-Rotax GmbH & Co. KG	(73) Meritor Heavy Vehicle Systems Cameri SpA
(31) 201662401603 P	(72) HOCHMAYR, Markus	(72) Tiziani, Eugenio
201715707038	KORENJAK, Norbert	Bionaz, Davide
(32) 29.09.2016	WILFLINGER, Johann	(51) F16H 48/38
18.09.2017	HINDINGER, Thomas	F16H 57/037
(33) United States of America	RIOUX, Roger	(11) EP3415793
United States of America	(31) 201261707241 P	(21) EP17176253.7
(51) F16G 1/00	(32) 28.09.2012	(47) 16.09.2020
H04Q 9/00	(33) United States of America	(22) 15.06.2017
(11) EP3556107	(51) F16H 7/08	(54) MOUNTING MEMBER FOR DIFFERENTIALS
(21) EP17797592.7	F16H 7/12	(73) Meritor Heavy Vehicle Systems Cameri SpA
(47) 16.09.2020	(11) EP3114370	(72) SIVADOSS, Karthik Raj
(87) EP2017077991	(21) EP15755435.3	KARUNANIDHI, Manjunath
21.06.2018	(47) 16.09.2020	PRASHANTH, Kuruba
(22) 02.11.2017	(87) US2015017229	BIONAZ, Davide
(54) BELT HAVING A DATA-TRANSFERRING DEVICE	03.09.2015	SANTINATO, Fabio
(73) ContiTech Antriebssysteme GmbH	(22) 24.02.2015	BEHERA, Rajkishore
(72) FISS, Tim	(54) BELT TENSIONER WITH SUPPLEMENTAL FORCE ELEMENT	(51) F16H 55/18
	(73) Dayco IP Holdings, LLC	

- (11) EP3483478
(21) EP18203450.4
(47) 16.09.2020
(22) 30.10.2018
(54) GEAR WHEEL DRIVE
(73) MAN Truck & Bus SE
(72) Türk, Jens
Viet, Marcus
(31) 102017126205
(32) 09.11.2017
(33) Germany
-
- (51) F16H 57/027
F16H 57/04
(11) EP2946132
(21) EP14700542.5
(47) 16.09.2020
(87) EP2014000076
24.07.2014
(22) 15.01.2014
(54) DRIVE
(73) Sew-Eurodrive GmbH & Co. KG
(72) TRIEBSWETTER, Andreas
(31) 102013000849
(32) 21.01.2013
(33) Germany
-
- (51) F16H 57/031
F16H 57/033
(11) EP3513100
(21) EP17835676.2
(47) 16.09.2020
(87) EP2017084018
28.06.2018
(22) 21.12.2017
(54) ANGLE GEARED MOTOR
(73) Siemens Aktiengesellschaft
(72) BOEING, Georg
BIHR, Jens
(31) 102016226046
(32) 22.12.2016
(33) Germany
-
- (51) F16H 57/04
(11) EP3396211
(21) EP16877835.5
(47) 16.09.2020
(87) ES2016070914
29.06.2017
(22) 20.12.2016
(54) COOLING DEVICE FOR
COMPONENTS OF WIND TURBINES
(73) Alaz-Arima, S.L.
(72) YE, Zheng
AGUAS ALCALDE, Juan José
HURTADO GARCÍA, Leire
AZCARATE AZCONA, Adolfo
(31) 201531430 U
(32) 23.12.2015
(33) Spain
-
- (51) F16H 59/02
F16H 59/04
F16H 59/10
(11) EP3308056
(21) EP16728928.9
(47) 16.09.2020
(87) EP2016063073
15.12.2016
(22) 08.06.2016
- (54) DEVICE FOR DETECTING THE
POSITION OF A GEAR STEP
SELECTOR LEVER
(73) Küster Holding GmbH
(72) BRÜCK, Joachim
NICODEMUS, Michael
EICHENAUER, Tobias
SCHIRMER, Heiko
PÄTZOLD, Wolfgang
VORLÄNDER, Evelyn
KREMER, Viktor
(31) 102015109104
(32) 09.06.2015
(33) Germany
-
- (51) F16J 15/06
(11) EP3348881
(21) EP17209789.1
(47) 16.09.2020
(22) 21.12.2017
(54) SEALING STRUCTURES AND VALVE
ASSEMBLIES INCLUDING THE
SEALING STRUCTURES
(73) The Boeing Company
(72) VETO, Christopher C.
GRAYSON, Gary David
(31) 201715405195
(32) 12.01.2017
(33) United States of America
-
- (51) F16J 15/32
F16J 15/3212
F16J 15/322
F16J 15/324
F16J 15/3252
(11) EP3060831
(21) EP14855569.1
(47) 16.09.2020
(87) US2014068744
30.04.2015
(22) 05.12.2014
(54) SEALING SYSTEM AND SEALING
RING
(73) SKF Marine GmbH
Skf Usa Inc.
(72) VON BERGEN, Ernst-Peter
FANGAUF, Carlos
ZIEMEN, Lars
VON BORSTEL, Dieter
RISTIC, Ivan
WUESTENHAGEN, Guido
(31) 102013017816
102013017817
102013017818
(32) 22.10.2013
22.10.2013
22.10.2013
(33) Germany
Germany
Germany
-
- (51) F16J 15/34
(11) EP3217048
(21) EP15857687.6
(47) 16.09.2020
(87) JP2015080219
12.05.2016
(22) 27.10.2015
(54) MECHANICAL SEALING DEVICE
(73) Eagle Industry Co., Ltd.
EagleBurgmann Japan Co., Ltd.
- (72) KITO Masakazu
TANAKA Hiroshi
(31) 2014224147
(32) 04.11.2014
(33) Japan
-
- (51) F16J 15/34
(11) EP3548779
(21) EP17780345.9
(47) 16.09.2020
(87) EP2017074343
07.06.2018
(22) 26.09.2017
(54) MECHANICAL SEAL ASSEMBLY WITH
MINIMAL LEAKAGE
(73) EagleBurgmann Germany GmbH & Co.
KG
(72) OTSCHIK, Joachim
SCHRÜFER, Andreas
THELKE, Jörg
SCHICKTANZ, Rudolf
LABATUT-STOLLE, Christine
SIMIC, Aleksandar
REITBERGER, Joachim
(31) 102016223636
(32) 29.11.2016
(33) Germany
-
- (51) F16K 1/12
F16K 1/42
F16K 27/02
F16K 31/126
G05D 16/06
(11) EP3523557
(21) EP17778405.5
(47) 16.09.2020
(87) US2017052373
12.04.2018
(22) 20.09.2017
(54) TOP ENTRY AXIAL FLOW REGULATOR
(73) Emerson Process Management
Regulator Technologies, Inc.
(72) GRIFFIN, James L., Jr.
ROPER, Daniel, G.
SCHEFFLER, Douglas, J.
MCKINNEY, Harold, J.
HANUSA, Matthew, W.
(31) 201615288015
(32) 07.10.2016
(33) United States of America
-
- (51) F16K 11/044
F16K 11/052
(11) EP3236121
(21) EP16166392.7
(47) 16.09.2020
(22) 21.04.2016
(54) SHUTTLE VALVE FOR A SAFETY
VALVE APPARATUS AND SAFETY
VALVE APPARATUS
(73) Leser GmbH & Co. KG
(72) Rösler, Jörg
Boydag, Rasim
Büchner, Björn
Lie Indah Wahju, Christopher
-
- (51) F16K 11/07
F16K 17/04
F16K 17/06
F16K 49/00
G05D 23/08
(11) EP2437133

(21) EP11164630.3	AND FLOOR WITH SAID VENTILATION	F16L 37/30
(47) 16.09.2020	CHANNEL ASSEMBLY	B67D 7/02
(22) 03.05.2011	(73) Naber Holding GmbH & Co. KG	(11) EP3397887
(54) Hydraulic heater valve	(72) Naber, Hans-Joachim	(21) EP15820543.5
(73) Parker-Hannifin Corporation	(31) 202017102758 U	(47) 16.09.2020
(72) Vanderveen, John Scott	(32) 09.05.2017	(87) EP2015081351
Sayles, Samuel C.	(33) Germany	06.07.2017
(31) 332894 P	(51) F16L 9/147	(22) 29.12.2015
201113072850	(11) EP3519722	(54) CONNECTOR FOR A FLUID
(32) 10.05.2010	(21) EP17791148.4	CONDUCTION SYSTEM AND A FLUID
28.03.2011	(47) 16.09.2020	CONDUCTION SYSTEM WITH A
(33) United States of America	(87) IB2017055851	CORRESPONDING CONNECTOR
United States of America	05.04.2018	(73) Ecolab USA Inc.
(51) F16K 11/085	(22) 26.09.2017	(72) ZETTLITZER, Guenter
(11) EP3094900	(54) APPARATUS AND METHOD FOR	ALBRECHT, Rudolf
(21) EP14869854.1	APPLYING CABLES WITH ONE	(51) F17C 1/00
(47) 16.09.2020	OR MORE OPTICAL FIBERS TO A	F17C 13/08
(87) US2014069461	PIPE FOR LAND OR SUBMARINE	(11) EP2844906
18.06.2015	PIPELINES	(21) EP13784302.5
(22) 10.12.2014	(73) SAIPEM S.p.A.	(47) 16.09.2020
(54) MAGNETICALLY ACTUATED SHUT-	(72) LATINI, Gilberto	(87) US2013039565
OFF VALVE	RIPARI, Daniele	07.11.2013
(73) Dayco IP Holdings, LLC	(31) 201600098298	(22) 03.05.2013
(72) HAMPTON, Keith	(32) 30.09.2016	(54) CONFORMING NATURAL ENERGY
GRAICHEN, Brian M.	(33) Italy	STORAGE
(31) 201361914658 P	(51) F16L 17/04	(73) Other Lab, LLC
(32) 11.12.2013	F16L 21/00	(72) GRIFFITH, Saul
(33) United States of America	F16L 21/02	LYNN, Peter, S.
(51) F16K 37/00	F16L 21/03	CALISCH, Samuel, Eli
(11) EP3431849	F16L 21/06	GILMAN, Tucker
(21) EP17181746.3	F16L 21/08	SIMON, Kevin
(47) 16.09.2020	F16L 23/00	(31) 201261642388 P
(22) 17.07.2017	F16L 23/02	201361766394 P
(54) DETERMINING WEAR ON A VALVE	F16L 23/18	(32) 03.05.2012
(73) Siemens Aktiengesellschaft	F16L 37/091	19.02.2013
(72) Gnoss, Thomas	F16L 43/00	(33) United States of America
Lochschiemied, Rainer	(11) EP3458761	United States of America
Wetzel, Martin	(21) EP17799929.9	(51) F21S 8/02
Wiegand, Armin	(47) 16.09.2020	F21S 8/04
(51) F16L 1/14	(87) US2017032580	F21V 3/02
F16L 1/16	23.11.2017	F21V 21/03
F16L 1/19	(22) 15.05.2017	F21V 31/00
F16L 1/20	(54) FITTING HAVING TABBED RETAINER	F21Y 103/33
F16L 1/23	AND OBSERVATION APERTURES	F21Y 115/10
F16L 1/235	(73) Victaulic Company	(11) EP3566002
F16L 1/26	(72) SITH, Ahmad	(21) EP18747889.6
(11) EP3534049	BOWMAN, Matthew A.	(47) 16.09.2020
(21) EP19161723.2	MADARA, Scott D.	(87) US2018014934
(47) 16.09.2020	STERNER, Jeffrey Lance	09.08.2018
(22) 06.02.2014	(31) 201662336893 P	(22) 24.01.2018
(54) TENDON ELEMENT FOR	(32) 16.05.2016	(54) LOW-PROFILE LED LIGHT FIXTURE
ABANDONMENT AND RECOVERY OF	(33) United States of America	(73) Global Product Sources, LLC
PIPELINES	(51) F16L 23/036	(72) LEE, Jeremy David
(73) Subsea 7 Limited	(11) EP3141788	LAWRENCE, Brent Lynn
(72) CRUICKSHANK, John Duncan	(21) EP14891433.6	(31) 201715420930
(31) 201302115	(47) 16.09.2020	(32) 31.01.2017
(32) 06.02.2013	(87) JP2014062487	(33) United States of America
(33) United Kingdom	12.11.2015	(51) F21S 41/143
(51) F16L 9/00	(22) 09.05.2014	F21S 41/663
F16L 9/22	(54) FLANGE COUPLING PART	(11) EP2220425
F24F 13/02	REINFORCING JIG	(21) EP08847242.8
(11) EP3401613	(73) Okayama City	(47) 16.09.2020
(21) EP18161481.9	Taisei Kiko Co., Ltd.	(87) EP2008064966
(47) 16.09.2020	(72) MUNETOMO, Nobuo	14.05.2009
(22) 13.03.2018	YANO, Mitsunobu	(22) 05.11.2008
(54) VENTILATION CHANNEL ASSEMBLY	YASUI, Shinobu	(54) HEADLIGHT FOR VEHICLES
FOR A KITCHEN EXHAUST SYSTEM	SASAKI, Hironori	(73) HELLA GmbH & Co. KGaA
	(51) F16L 37/252	(72) GÖTZ, Mirco

KALZE, Franz-Josef	PERRIN, Ian J.	F24H 1/14
KLEINKES, Michael	(31) 751119	F24H 1/43
VIEREGGE, Thomas	(32) 31.03.2010	F24H 9/02
POHLMANN, Wolfgang	(33) United States of America	(11) EP3524882
(31) 102007052745	(51) F22B 1/28	(21) EP19155450.0
(32) 06.11.2007	(11) EP3224542	(47) 16.09.2020
(33) Germany	(21) EP15797976.6	(22) 05.02.2019
(51) F21S 41/148	(47) 16.09.2020	(54) HEAT CELL WITH METALLIC INSULATION RING
F21S 41/151	(87) EP2015076774	(73) Vaillant GmbH
F21S 41/155	02.06.2016	(72) Gevers, Hendrik
F21S 41/19	(22) 17.11.2015	Engel, Mira
F21S 41/32	(54) STEAM GENERATOR	Brinkbäumer, Thomas
F21S 41/663	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives	(31) 102018102967
(11) EP2667086	(72) CHATROUX, André	(32) 09.02.2018
(21) EP13164884.2	PLANQUE, Michel	(33) Germany
(47) 16.09.2020	(31) 1461678	(51) F23N 1/00
(22) 23.04.2013	(32) 28.11.2014	(11) EP2657602
(54) Vehicular headlamp	(33) France	(21) EP13164292.8
(73) Koito Manufacturing Co., Ltd.	(51) F23D 14/06	(47) 16.09.2020
(72) Yamamura, Satoshi	(11) EP3404325	(22) 18.04.2013
(31) 2012116579	(21) EP18172364.4	(54) Gas stove and gas flow control device thereof
(32) 22.05.2012	(47) 16.09.2020	(73) BSH Hausgeräte GmbH
(33) Japan	(22) 15.05.2018	(72) Redondo Moritz, Jose
(51) F21S 41/255	(54) BURNER CAP BASE FOR BURNER OF A GAS COOKTOP, BURNER, AND GAS COOKTOP	Wu, Jinhua
F21S 41/265	(73) BSH Hausgeräte GmbH	Zou, Xue
F21W 102/18	(72) Liu, Shenchang	(31) 201210139154
B62J 6/02	Miao, Weiwei	(32) 28.04.2012
B62J 6/028	Zeng, Qingzhong	(33) China
(11) EP3210867	Zhang, Shenzhou	(51) F23N 1/02
(21) EP16156860.5	(31) 201720540394 U	F23N 5/24
(47) 16.09.2020	201710337805	F24D 19/10
(22) 23.02.2016	201710337617	(11) EP3561386
(54) HEADLAMP FOR A BICYCLE	201710337518	(21) EP19169727.5
(73) Herrmans Bike Components Oy	(32) 15.05.2017	(47) 16.09.2020
(72) LINDHOLM, Janne	15.05.2017	(22) 17.04.2019
(51) F21Y 103/30	15.05.2017	(54) METHOD FOR DETECTING A STORM AND FOR AVOIDING STORM-INDUCED DEACTIVATIONS IN NETWORKED HEATING SYSTEMS
F21Y 115/10	(33) China	(73) Vaillant GmbH
F21S 43/14	China	(72) Wriske, Jochen
F21S 43/239	China	(31) 102018109665
F21S 43/243	(51) F23D 14/26	(32) 23.04.2018
F21S 43/249	F23D 14/72	(33) Germany
(11) EP3270044	F23N 5/10	(51) F23Q 7/00
(21) EP17181562.4	F23R 3/16	(11) EP2827062
(47) 16.09.2020	(11) EP3105503	(21) EP14175938.1
(22) 14.07.2017	(21) EP15749426.1	(47) 16.09.2020
(54) AUTOMOTIVE LIGHTING UNIT	(47) 16.09.2020	(22) 07.07.2014
(73) MARELLI AUTOMOTIVE LIGHTING ITALY S.p.A.	(87) US2015016225	(54) Ceramic heater, glow plug, method of manufacturing ceramic heater and method of manufacturing glow plug
(72) PORCELLI, Cristina	20.08.2015	(73) NGK Spark Plug Co., Ltd.
PARONI, Sara	(22) 17.02.2015	(72) Ikai, Yoshihito
(31) 201600074010	(54) METHOD FOR OPERATING A COMBUSTION SYSTEM INCLUDING A PERFORATED FLAME HOLDER	Suzuki, Ryo
(32) 15.07.2016	(73) ClearSign Technologies Corporation	Sekiguchi, Yutaka
(33) Italy	(72) KARKOW, Douglas W.	(31) 2013143421
(51) F22B 1/18	COLANNINO, Joseph	(32) 09.07.2013
F22B 29/06	WIKLOF, Christopher A.	(33) Japan
F22B 35/16	(31) PCT/US2014/016632	(51) F23R 3/28
F22D 5/34	(32) 14.02.2014	(11) EP3263990
(11) EP2553336	(33) World Intellectual Property Office (WIPO)	(21) EP17000888.2
(21) EP11704377.8	(51) F23M 7/00	(47) 16.09.2020
(47) 16.09.2020	F23M 7/02	(22) 23.05.2017
(87) US2011024041	F23M 7/04	(54) FUEL NOZZLE ASSEMBLY OF GAS TURBINE COMBUSTOR,
13.10.2011	F24H 1/00	
(22) 08.02.2011		
(54) ONCE-THROUGH VERTICAL EVAPORATORS FOR WIDE RANGE OF OPERATING TEMPERATURES		
(73) General Electric Technology GmbH		
(72) BAUVER, II, Wesley P.		

MANUFACTURING METHOD	F25B 30/02	(32) 01.10.2012
THEREOF, AND GAS TURBINE	(11) EP2522933	(33) Japan
COMBUSTOR	(21) EP12166960.0	(51) F24F 3/06
(73) Mitsubishi Hitachi Power Systems, Ltd.	(47) 16.09.2020	F24F 5/00
(72) Wadayama, Yoshihide	(22) 07.05.2012	F24F 1/00
Kumagai, Satoshi	(54) Heat storing apparatus having cascade	(11) EP3141824
Miura, Keisuke	cycle and control process of the same	(21) EP14835685.0
Karishuku, Mitsuhiro	(73) LG Electronics, Inc.	(47) 16.09.2020
Dodo, Satoshi	(72) Kang, Donghoon	(87) JP2014084498
(31) 2016131411	Jung, Seunghyun	12.11.2015
(32) 01.07.2016	Kim, Jungpil	(22) 26.12.2014
(33) Japan	Park, Heewoong	(54) AIR CONDITIONING SYSTEM
(51) F24C 15/20	(31) 20110043560	(73) Eco Factory Co., Ltd.
(11) EP3399242	(32) 09.05.2011	(72) MURAKAMI Takano bu
(21) EP18166114.1	(33) Korea (Republic)	(31) 2014097916
(47) 16.09.2020	(51) F24F 1/14	(32) 09.05.2014
(22) 06.04.2018	F25B 5/02	(33) Japan
(54) INTEGRATED RANGE HOOD WITH	F25B 6/02	(51) F24F 11/72
SAFETY DEVICE	F25B 6/04	F24F 11/79
(73) ELICA S.p.A.	F25B 13/00	F24F 110/10
(72) BUSSOTTO, Lorenzo	(11) EP3517855	F24F 110/20
AGOSTINELLI, Agostino	(21) EP16916807.7	F24F 120/12
(31) 201700048340	(47) 16.09.2020	F24F 1/0007
(32) 04.05.2017	(87) JP2016078057	F24F 1/0014
(33) Italy	29.03.2018	F24F 1/0022
(51) F24D 3/08	(22) 23.09.2016	(11) EP3450868
F24D 3/18	(54) HEAT EXCHANGER AND	(21) EP17889536.3
F24D 11/02	REFRIGERATION CYCLE DEVICE	(47) 16.09.2020
F24D 15/04	(73) Mitsubishi Electric Corporation	(87) JP2017022081
F24D 19/10	(72) NAKAJIMA, Komei	20.12.2018
F25B 13/00	TANAKA, Kosuke	(22) 15.06.2017
F25B 27/00	HAYAMARU, Yasuhide	(54) INDOOR UNIT FOR AIR CONDITIONER
F25B 30/02	SAKABE, Akinori	(73) MITSUBISHI ELECTRIC
F25B 30/06	(51) F24F 1/16	CORPORATION
F25B 49/02	F24F 1/18	(72) UMEKAGE, Yuhei
(11) EP3377825	F24F 1/50	KURIHARA, Makoto
(21) EP16866756.6	(11) EP3141827	(51) F24F 13/06
(47) 16.09.2020	(21) EP14891486.4	F24F 13/20
(87) SE2016051143	(47) 16.09.2020	F24F 13/22
26.05.2017	(87) JP2014062482	F24F 1/0007
(22) 17.11.2016	12.11.2015	F24F 1/0018
(54) HEAT PUMP SYSTEM AND METHOD	(22) 09.05.2014	F24F 1/0047
FOR MONITORING VALVE LEAKS IN A	(54) AIR-CONDITIONING UNIT	(11) EP3153785
HEAT PUMP SYSTEM	(73) Mitsubishi Electric Corporation	(21) EP15802736.7
(73) SENS Geoenergy Storage AB	(72) KONO, Atsushi	(47) 16.09.2020
(72) CALLEMO, David	TADOKORO, Takahide	(87) KR2015005668
THORBURN, Jan	(51) F24F 1/38	10.12.2015
(31) 1551510	F24F 1/40	(22) 05.06.2015
(32) 20.11.2015	F04D 29/54	(54) AIR CONDITIONER
(33) Sweden	(11) EP3299737	(73) Samsung Electronics Co., Ltd
(51) F24D 10/00	(21) EP15898339.5	(72) GOTO, Shinji
F24D 11/02	(47) 16.09.2020	(31) 2014116971
(11) EP3569935	(87) KR2015007209	(32) 05.06.2014
(21) EP18172779.3	19.01.2017	(33) Japan
(47) 16.09.2020	(22) 10.07.2015	(51) F24F 13/08
(22) 17.05.2018	(54) AIR BLOWER AND AIR CONDITIONER	F24F 13/20
(54) REVERSIBLE HEAT PUMP ASSEMBLY	HAVING SAME	F24F 1/0007
AND DISTRICT THERMAL ENERGY	(73) Samsung Electronics Co., Ltd.	F24F 1/0047
DISTRIBUTION SYSTEM COMPRISING	(72) SATO, Seiji	(11) EP3550218
SUCH A REVERSIBLE HEAT PUMP	(51) F24F 1/56	(21) EP16904842.8
ASSEMBLY	(11) EP2713113	(47) 16.09.2020
(73) E.ON Sverige AB	(21) EP13186357.3	(87) JP2016085472
(72) Rosén, Per	(47) 16.09.2020	07.06.2018
Skogström, Jacob	(22) 27.09.2013	(22) 30.11.2016
Lindoff, Bengt	(54) Outdoor unit of air-conditioning apparatus	(54) AIR CONDITIONER INDOOR UNIT
(51) F24D 11/02	(73) Mitsubishi Electric Corporation	(73) Mitsubishi Electric Corporation
F24D 19/10	(72) Miwa, Masaharu	(72) YAMAGUCHI, Koji
F25B 7/00	(31) 2012219590	

TAZAWA, Tetsuya	Unezaki, Fumitake	HORIBE Masaya
(51) F24F 13/14	Oobayashi, Tomoyoshi	OTSUKA Shinichi
F24F 11/00	(31) 2007310097	(31) 2014129488
F24F 1/00	(32) 30.11.2007	(32) 24.06.2014
(11) EP2835586	(33) Japan	(33) Japan
(21) EP13754562.0	(51) F25B 1/00	(51) F25B 1/10
(47) 16.09.2020	F25B 6/04	F25B 31/00
(87) JP2013053578	(11) EP3059520	(11) EP2732222
06.09.2013	(21) EP13895738.6	(21) EP11731384.1
(22) 14.02.2013	(47) 16.09.2020	(47) 16.09.2020
(54) FLOOR-TYPE AIR CONDITIONER	(87) JP2013078216	(87) EP2011062063
(73) Mitsubishi Electric Corporation	23.04.2015	17.01.2013
(72) YAMAGUCHI, Kouji	(22) 17.10.2013	(22) 14.07.2011
OGATA, Hideyuki	(54) REFRIGERATION CYCLE DEVICE	(54) REFRIGERATION CIRCUIT WITH OIL
IKEDA, Takashi	(73) Mitsubishi Electric Corporation	COMPENSATION
HATTA, Masatomo	(72) TAKAYAMA, Keisuke	(73) Carrier Corporation
OCHIAI, Keichi	MORISHITA, Kunihiro	(72) HELLMANN, Sascha
YAMASHITA, Tetsuo	KOIDE, Toru	KREN, Christoph
TAZAWA, Tetsuya	(51) F25B 1/00	(51) F25B 5/02
TOMOMURA, Keisuke	F25B 13/00	F25B 27/00
YAMAUCHI, Toshiya	F25B 49/00	F25B 40/02
(31) 2012045259	F25B 49/02	F25B 49/02
(32) 01.03.2012	F24F 11/00	(11) EP3092448
(33) Japan	(11) EP3115706	(21) EP15701275.8
(51) F24H 9/02	(21) EP14884764.3	(47) 16.09.2020
(11) EP3268676	(47) 16.09.2020	(87) US2015010437
(21) EP16707066.3	(87) JP2014083147	16.07.2015
(47) 16.09.2020	11.09.2015	(22) 07.01.2015
(87) EP2016053910	(22) 15.12.2014	(54) ADAPTIVE CONTROL OF MULTI-
15.09.2016	(54) AIR CONDITIONING APPARATUS	COMPARTMENT TRANSPORT
(22) 25.02.2016	(73) Mitsubishi Electric Corporation	REFRIGERATION SYSTEM
(54) HEATING DEVICE COMPRISING A	(72) TOMITA, Masafumi	(73) Carrier Corporation
HOUSING FOR A THERMAL CELL	SUZUKI, Yasuhiro	(72) LI, Wenhua
(73) Robert Bosch GmbH	TAKAMURA, Masahiro	SENF, JR., Raymond L.
(72) SAUER, Alexander	AMANO, Katsuyuki	(31) 201461924941 P
CANTUERK, Yildirim	(31) 2014040624	(32) 08.01.2014
WUENNING, Marcus	(32) 03.03.2014	(33) United States of America
OEHRLEIN, Manfred	(33) Japan	(51) F25B 49/02
(31) 102015204185	(51) F25B 1/00	F24F 11/36
102015223272	F25B 41/00	(11) EP3486575
(32) 09.03.2015	F25B 41/04	(21) EP18198122.6
25.11.2015	F25B 49/02	(47) 16.09.2020
(33) Germany	F24F 11/30	(22) 02.10.2018
Germany	(11) EP3557151	(54) DEVICE AND METHOD FOR A
(51) F24S 10/50	(21) EP16923991.0	SECURITY DRAIN OF WORKING
F24S 40/50	(47) 16.09.2020	FLUID
F24S 80/50	(87) JP2016087366	(73) Vaillant GmbH
(11) EP3583364	21.06.2018	(72) Link, Tobias
(21) EP18715248.3	(22) 15.12.2016	Spahn, Hans-Josef
(47) 16.09.2020	(54) REFRIGERATION CYCLE DEVICE	(31) 102017126945
(87) HR2018000004	(73) Mitsubishi Electric Corporation	(32) 16.11.2017
23.08.2018	(72) YANACHI, Satoru	(33) Germany
(22) 14.02.2018	SHIMAZU, Yusuke	(51) F25D 23/04
(54) SOLAR COLLECTOR WITH	HATANAKA, Kensaku	(11) EP2558801
REFLECTING SURFACES	KAWAI, Kazuhiko	(21) EP11711539.4
(73) ITRS d.o.o.	KOYAMA, Yusuke	(47) 16.09.2020
(72) SKELJO, Kresimir	NAGANO, Tomohiro	(87) EP2011054785
(31) 20170240	(51) F25B 1/00	20.10.2011
(32) 15.02.2017	F25B 49/02	(22) 29.03.2011
(33) Croatia	(11) EP3163220	(54) RACK WITH DECORATIVE PANEL
(51) F25B 1/00	(21) EP15811744.0	(73) BSH Hausgeräte GmbH
(11) EP2647927	(47) 16.09.2020	(72) SCHMIDT, Tobias
(21) EP13166595.2	(87) JP2015064167	SCHOLER, Jochen
(47) 16.09.2020	30.12.2015	(31) 102010003877
(22) 20.11.2008	(22) 18.05.2015	(32) 12.04.2010
(54) Refrigeration cycle apparatus	(54) HEAT PUMP TYPE CHILLER	(33) Germany
(73) Mitsubishi Electric Corporation	(73) Yanmar Power Technology Co., Ltd.	(51) F25D 23/04
(72) Okazaki, Takashi	(72) KANAYA Yoshihisa	

F25C 5/00	DAVIDIAN, Benoît	DUTOIT, Bertrand
(11) EP3270080	SAULNIER, Bernard	(51) F41A 23/20
(21) EP17180787.8	(31) 1655111	F41A 23/24
(47) 16.09.2020	1655112	F41H 5/16
(22) 11.07.2017	1655113	F41H 5/20
(54) REFRIGERATOR	(32) 06.06.2016	F41H 7/04
(73) Samsung Electronics Co., Ltd.	06.06.2016	(11) EP3374727
(72) Jeong, Jin	06.06.2016	(21) EP16820325.5
Lee, Jae Jin	(33) France	(47) 16.09.2020
Yoon, Seok Jun	France	(87) IB2016056704
(31) 20160088473	France	18.05.2017
(32) 13.07.2016	(51) F26B 21/04	(22) 08.11.2016
(33) Korea (Republic)	F26B 21/08	(54) TURRET HAVING A MUNITION
(51) F25D 23/06	F26B 21/10	GUIDANCE DEVICE PROTECTION
(11) EP3009775	F26B 21/12	(73) Leonardo S.p.A.
(21) EP15189873.1	F26B 23/00	(72) PELLEGRINI, Mauro
(47) 16.09.2020	(11) EP3542114	(31) UB20155551
(22) 15.10.2015	(21) EP16801959.4	(32) 13.11.2015
(54) REFRIGERATOR	(47) 16.09.2020	(33) Italy
(73) Samsung Electronics Co., Ltd.	(87) DK2016050378	(51) F41B 11/50
Korea Advanced Institute of Science and	24.05.2018	F41B 11/646
Technology	(22) 18.11.2016	F41B 11/71
(72) Kim, Dae Whan	(54) DRYING SYSTEM WITH IMPROVED	F41B 11/721
Kuk, Keon	ENERGY EFFICIENCY AND CAPACITY	(11) EP3276293
Song, Tae-Ho	CONTROL	(21) EP15886319.1
Youn, Sung-Kie	(73) GEA Process Engineering A/S	(47) 16.09.2020
Kang, Wonkyeong	(72) FEUERRIEGEL, Bernd	(87) JP2015058937
Kang, Pilseong	BELLEMO, Lorenzo	29.09.2016
Yeo, Inseok	(51) F28D 1/02	(22) 24.03.2015
Lee, Jaehyug	F28D 1/053	(54) BULLET FEED PORT OPENING AND
Jeong, Gil-Eon	F28D 21/00	CLOSING DEVICE IN IMITATION GUN
Choi, Bongsu	(11) EP3499164	(73) TOKYO MARUI Co., Ltd.
(31) 20140139425	(21) EP18212943.7	(72) IWASAWA Iwao
(32) 16.10.2014	(47) 16.09.2020	(51) F41G 3/06
(33) Korea (Republic)	(22) 17.12.2018	G01C 3/04
(51) F25D 25/02	(54) RADIATOR WITH HEAT-TRANSFER	G02B 5/04
(11) EP2938949	FLUID WITH EVEN DISTRIBUTION OF	G02B 23/04
(21) EP13811912.8	HEAT ON FAÇADE	G02B 23/10
(47) 16.09.2020	(73) Larth Havlu Radyatör Sanayi Ve Ticaret	G02B 23/18
(87) EP2013077217	Anonim Sirketi	(11) EP3546989
03.07.2014	(72) SIMSIRLER, Taner	(21) EP18186446.3
(22) 18.12.2013	PELLERIN, Jean-Philippe	(47) 16.09.2020
(54) COOLING APPLIANCE HAVING A	(31) 1762363	(22) 31.07.2018
DRAWER GUIDE	(32) 18.12.2017	(54) BINOCULAR TELESCOPE WITH
(73) BSH Hausgeräte GmbH	(33) France	DIGITAL LASER RANGING FUNCTION
(72) DEMİRÖZ, Taha	(51) F28F 9/02	(73) Kunming Shunho Optics Co., Ltd.
YILDIZGÖCER, Tanzer	(11) EP3540357	(72) WANG, Liming
ÖZSOY, Yalcin	(21) EP19162348.7	YANG, Ke
(31) 201215670	(47) 16.09.2020	(31) 201810251967
(32) 31.12.2012	(22) 12.03.2019	(32) 26.03.2018
(33) Turkey	(54) INLET HEADER DUCT DESIGN	(33) China
(51) F25J 3/02	FEATURES	(51) F42B 4/20
F25J 3/04	(73) Hamilton Sundstrand Corporation	F42B 4/24
(11) EP3465036	(72) RANJAN, Ram	(11) EP3394557
(21) EP17733500.7	ST. ROCK, Brian	(21) EP16816294.9
(47) 16.09.2020	(31) 201815923614	(47) 16.09.2020
(87) FR2017051383	(32) 16.03.2018	(87) EP2016082211
14.12.2017	(33) United States of America	29.06.2017
(22) 02.06.2017	(51) F28F 13/18	(22) 21.12.2016
(54) ELEMENT FOR CONSTRUCTION OF	(11) EP3385656	(54) FIREWORK WITH POSITIONING OF
A MASS- AND/OR HEAT-EXCHANGE	(21) EP17401041.3	THE FUSE
DEVICE, ASSEMBLY OF TWO	(47) 16.09.2020	(73) Thieme, Ringo
ELEMENTS AND EXCHANGE METHOD	(22) 07.04.2017	(72) Thieme, Ringo
USING AN ASSEMBLY	(54) USE OF A COATING LAYER ON A	(31) 102015122473
(73) L'Air Liquide Société Anonyme pour	HEAT EXCHANGER SURFACE	(32) 21.12.2015
l'Etude et l'Exploitation des Procédés	(73) Karlsruhe Institut für Technologie	(33) Germany
Georges Claude	(72) GROHMANN, Steffen	(51) F42D 5/045
(72) CAVAGNE, Patrice	GOMSE, David	

(11) EP3334999	(47) 16.09.2020	14.04.2016
(21) EP16751628.5	(87) GB2013050835	(22) 08.10.2014
(47) 16.09.2020	03.10.2013	(54) SUPPORTING MAGNETIC FLUX
(87) GB2016052391	(22) 28.03.2013	DENSITY BASED POSITIONING
16.02.2017	(54) MEASURING SURFACE CURVATURE	(73) HERE Global B.V.
(22) 04.08.2016	(73) UCL BUSINESS LTD	(72) WIROLA, Lauri
(54) A METHOD OF INHIBITING A BLAST	(72) HERMANS, Rodolfo I.	SYRJÄRINNE, Jari
FROM AN EXPLOSIVE	AEPPLI, Gabriel	(51) G01C 21/34
(73) Environmental Defence Systems Limited	(31) 201205491	G01C 21/36
(72) BAILEY, Richard	(32) 28.03.2012	G01W 1/10
(31) 201514203	(33) United Kingdom	G01W 1/14
(32) 11.08.2015	(51) G01B 11/25	(11) EP3486692
(33) United Kingdom	G01N 27/90	(21) EP19151007.2
(51) G01B 5/008	G01N 29/04	(47) 16.09.2020
G01B 21/04	G01N 29/06	(22) 04.04.2014
(11) EP2331907	G01N 29/22	(54) METHOD AND SYSTEM FOR
(21) EP09778718.8	(11) EP2645094	COMBINING LOCALIZED WEATHER
(47) 16.09.2020	(21) EP13161171.7	FORECASTING AND ITINERARY
(87) EP2009006927	(47) 16.09.2020	PLANNING
08.04.2010	(22) 26.03.2013	(73) Sky Motion Research, ULC
(22) 17.09.2009	(54) Surface visualization system for	(72) LEBLANC, Andre
(54) METHOD FOR MEASURING A	indicating inconsistencies	(31) 201313856923
WORK PIECE AND COORDINATE	(73) The Boeing Company	201361835626 P
MEASURING DEVICE	(72) Kollgaard, Jeffrey R.	201361836713 P
(73) Carl Zeiss Industrielle Messtechnik	Holmes, Tyler	201313922800
GmbH	(31) 201213430132	201361839675 P
(72) LOTZE, Werner	(32) 26.03.2012	201313947331
KUNZMANN, Steffen	(33) United States of America	(32) 04.04.2013
HELD, Tobias	(51) G01C 7/02	16.06.2013
(31) 102008049751	G01C 13/00	19.06.2013
(32) 01.10.2008	G01S 7/48	20.06.2013
(33) Germany	G06K 9/00	26.06.2013
(51) G01B 5/008	G01S 17/10	22.07.2013
G01B 21/04	G01S 17/89	(33) United States of America
(11) EP3287739	(11) EP2921879	United States of America
(21) EP17187463.9	(21) EP14001034.9	United States of America
(47) 16.09.2020	(47) 16.09.2020	United States of America
(22) 23.08.2017	(22) 20.03.2014	United States of America
(54) COORDINATE MEASURING MACHINE	(54) Classification method for measuring	United States of America
AND COORDINATE CORRECTION	points of a topobathymetric data set	(51) G01C 21/36
METHOD	(73) Airborne HydroMapping GmbH	G06K 9/00
(73) Mitutoyo Corporation	(72) Steinbacher, Frank	G10L 13/08
(72) Nakagawa, Hideyuki	(51) G01C 15/14	(11) EP3665619
Ishikawa, Nobuhiro	G01C 21/20	(21) EP19752433.3
(31) 2016166343	G05D 1/08	(47) 16.09.2020
(32) 26.08.2016	G09B 9/48	(87) EP2019070336
(33) Japan	(11) EP3132231	20.02.2020
(51) G01B 11/00	(21) EP14889442.1	(22) 29.07.2019
G06T 7/73	(47) 16.09.2020	(54) METHOD AND DEVICE
G05D 1/02	(87) SE2014050457	FOR GENERATING VOCAL
(11) EP3430486	22.10.2015	ANNOUNCEMENTS BASED ON
(21) EP17718566.7	(22) 14.04.2014	HANDWRITTEN USER INPUT AND
(47) 16.09.2020	(54) A METHOD AND SYSTEM FOR	VEHICLE COMPRISING SAID DEVICE
(87) FI2017050175	ESTIMATING INFORMATION RELATED	(73) Audi AG
21.09.2017	TO A VEHICLE PITCH AND/OR ROLL	(72) DUSIK, Jan
(22) 16.03.2017	ANGLE	(31) 102018213602
(54) METHOD AND APPARATUS FOR	(73) Vicon Systems Aktiebolag	(32) 13.08.2018
MONITORING A POSITION	(72) HAGLUND, Leif	(33) Germany
(73) Teknologian Tutkimuskeskus VTT OY	ISAKSSON, Folke	(51) G01C 21/36
(72) PENTIKÄINEN, Vesa	FELSBERG, Michael	H04R 1/10
(31) 20165224	GRELSSON, Bertil	H04R 5/04
(32) 18.03.2016	(51) G01C 21/04	H04R 25/00
(33) Finland	G01C 21/08	H04R 27/00
(51) G01B 11/24	G01C 21/20	B60W 40/08
G01B 11/255	(11) EP3204720	G10L 21/0208
G01Q 20/02	(21) EP14789537.9	G10L 25/78
(11) EP2831540	(47) 16.09.2020	B60W 50/14
(21) EP13713487.0	(87) EP2014071491	(11) EP3048805

(21) EP16151997.0	(22) 29.06.2017	(31) 102015121462
(47) 16.09.2020	(54) SENSOR DEVICE	(32) 09.12.2015
(22) 20.01.2016	(73) Physik Instrumente (PI) GmbH & Co. KG	(33) Germany
(54) EAR SET DEVICE	(72) GRABOWSKI, Axel	(51) G01F 1/00
(73) LG Electronics Inc.	WALENDA, Carolin	G01F 1/66
(72) LEE, Heungkyu	(31) 102016112062	G01F 3/22
HONG, Sungwook	(32) 01.07.2016	G01F 5/00
(31) 20150010177	(33) Germany	G01F 15/04
20150155344	(51) G01D 5/14	G01F 15/07
(32) 21.01.2015	G06F 3/0346	(11) EP2869036
05.11.2015	(11) EP3433582	(21) EP13808563.4
(33) Korea (Republic)	(21) EP17714634.7	(47) 16.09.2020
Korea (Republic)	(47) 16.09.2020	(87) JP2013003971
(51) G01D 1/00	(87) DE2017100184	03.01.2014
G01D 21/00	28.09.2017	(22) 25.06.2013
G01R 27/26	(22) 09.03.2017	(54) FLUID MEASURING DEVICE
(11) EP3580526	(54) APPARATUS FOR INPUTTING	(73) Panasonic Intellectual Property
(21) EP18717207.7	ABSOLUTE POSITION AND	Management Co., Ltd.
(47) 16.09.2020	ORIENTATION OF AN INPUT ELEMENT	(72) GOTOU, Hirokazu
(87) DE2018200022	(73) Verein zur Förderung von Innovationen	ADACHI, Akihisa
11.10.2018	durch Forschung, Entwicklung und	FUJII, Yuji
(22) 07.03.2018	Technologietransfer e.V. (Verein	NAKABAYASHI, Yuji
(54) EVALUATING CIRCUIT, SYSTEM,	INNOVENT e.V.)	SAKAGUCHI, Yukio
AND METHOD FOR EVALUATING A	(72) HOLZHEY, Rocco	KAWANO, Yasuharu
CAPACITIVE OR INDUCTIVE SENSOR	WANGEMANN, Sebastian	WATANABE, Aoi
(73) Czardybon, Peter	(31) 102016105600	(31) 2012145025
Czardybon, Marius	(32) 24.03.2016	(32) 28.06.2012
(72) CZARDYBON, Peter	(33) Germany	(33) Japan
(31) 102017205908	(51) G01D 5/20	(51) G01F 1/32
(32) 06.04.2017	H01F 7/18	G01F 1/44
(33) Germany	(11) EP3571703	G01F 1/58
(51) G01D 4/02	(21) EP18702619.0	G01F 1/66
H01Q 1/22	(47) 16.09.2020	G01F 15/14
H01Q 1/36	(87) EP2018050834	G01N 22/00
H01Q 1/44	26.07.2018	G01N 29/22
(11) EP3566026	(22) 15.01.2018	(11) EP2707703
(21) EP17832973.6	(54) METHOD AND ARRANGEMENT FOR	(21) EP12726825.8
(47) 16.09.2020	DETERMINING THE ARMATURE	(47) 16.09.2020
(87) FI2017050954	POSITION OF AN ELECTROMAGNET	(87) GB2012000424
12.07.2018	(73) Voith Patent GmbH	15.11.2012
(22) 29.12.2017	(72) ULM, Jürgen	(22) 10.05.2012
(54) ANTENNA APPARATUS THAT UTILIZES	GRADL, Stefan	(54) FLUID CONDUIT
A UTILITY LINE AND METHODS OF	STEHLIK, Pascal	(73) Magma Global Limited
MANUFACTURING AND USE	KNORR, Marc	Salunda Limited
(73) Pulse Finland Oy	BREDLOW, Oliver	(72) JONES, Martin Peter William
(72) KORVA, Heikki	VOGEL, Oliver	TAVNER, Charles Alexander
KOSKINIEMI, Kimmo	MOTZER, Bastian	PARKER, Alan David
(31) 201715399628	(31) 102017200828	GREGG, John Francis
(32) 05.01.2017	(32) 19.01.2017	(31) 201107751
(33) United States of America	(33) Germany	(32) 10.05.2011
(51) G01D 5/14	(51) G01D 11/24	(33) United Kingdom
(11) EP3617658	(11) EP3387390	(51) G01F 1/32
(21) EP19189256.1	(21) EP16794588.0	G01F 1/74
(47) 16.09.2020	(47) 16.09.2020	G01F 1/86
(22) 31.07.2019	(87) EP2016077053	G01F 15/02
(54) SENSOR	15.06.2017	G01F 25/00
(73) SICK AG	(22) 09.11.2016	(11) EP2659235
(72) Bludau, Thomas	(54) CONNECTION DEVICE FOR	(21) EP11788136.7
(31) 102018120811	MECHANICALLY CONNECTING	(47) 16.09.2020
(32) 27.08.2018	AN ELECTRONICS HOUSING	(87) EP2011070864
(33) Germany	AND A TRANSDUCER HOUSING,	05.07.2012
(51) G01D 5/14	TRANSDUCER HAVING A	(22) 23.11.2011
G01D 5/347	CONNECTION DEVICE OF THIS TYPE	(54) METHOD FOR DENSITY CORRECTION
(11) EP3479069	OR FIELD DEVICE FORMED WITH	IN AN EDDY-FLOW MEASURING
(21) EP17743248.1	SAME	INSTRUMENT
(47) 16.09.2020	(73) Endress+Hauser Flowtec AG	(73) Endress+Hauser Flowtec AG
(87) DE2017100543	(72) BITTO, Ennio	(72) HOLLMACH, Marc
04.01.2018	GUNZENHAUSER, Andreas	KAMBER, Sascha

(31) 102010064278	BARTH, Martin	(72) D'ANGELICO, Sascha
(32) 28.12.2010	BADARLIS, Anastasios	SCHMITT, Christoph
(33) Germany	NEYERLIN, Lars	(31) 102015101891
(51) G01F 1/66	ARNOLD, Martin	(32) 10.02.2015
(11) EP2656017	POPP, Oliver	(33) Germany
(21) EP11788133.4	(31) 102016121110	(51) G01F 1/84
(47) 16.09.2020	(32) 04.11.2016	H03H 17/02
(87) EP2011070844	(33) Germany	(11) EP2313974
28.06.2012	(51) G01F 1/84	(21) EP08796881.4
(22) 23.11.2011	(11) EP2310812	(47) 16.09.2020
(54) COUPLING ELEMENT OF AN	(21) EP09781090.7	(87) US2008071627
ULTRASONIC TRANSDUCER FOR AN	(47) 16.09.2020	04.02.2010
ULTRASONIC FLOW METER	(87) EP2009059625	(22) 30.07.2008
(73) Endress+Hauser Flowtec AG	18.02.2010	(54) OPTIMIZING PROCESSOR
(72) KISSLING, Beat	(22) 27.07.2009	OPERATION IN A PROCESSING
MÜLLER, Quirin	(54) VIBRATION-TYPE MEASURING	SYSTEM INCLUDING ONE OR MORE
(31) 102010063535	SENSOR	DIGITAL FILTERS
(32) 20.12.2010	(73) Endress + Hauser Flowtec AG	(73) Micro Motion, Inc.
(33) Germany	(72) ANKLIN-IMHOF, Martin	(72) MCANALLY, Craig, B.
(51) G01F 1/68	BITTO, Ennio	HAYS, Paul, J.
G01F 1/684	ECKERT, Gerhard	(51) G01F 23/26
G01F 1/692	MUNDSCHIN, Dieter	(11) EP3605029
(11) EP3104137	(31) 102008037700	(21) EP18186363.0
(21) EP16181279.7	(32) 14.08.2008	(47) 16.09.2020
(47) 16.09.2020	(33) Germany	(22) 30.07.2018
(22) 11.01.2012	(51) G01F 1/84	(54) IMPEDANCE SENSOR AND METHOD
(54) SENSOR WITH IMPROVED THERMAL	G01F 15/02	FOR DETERMINING THE SWITCHING
STABILITY	G01F 15/14	STATE OF AN IMPEDANCE SENSOR
(73) Honeywell International Inc.	G01N 9/00	(73) VEGA Grieshaber KG
(72) WANG, Yong-Fa	G01N 11/00	(72) Allgaier, Volker
BECK, Scott Edward	G01N 11/16	Fehrenbach, Dominik
(31) 201113006397	(11) EP3117189	(51) G01F 23/284
(32) 13.01.2011	(21) EP15708136.5	G01F 23/296
(33) United States of America	(47) 16.09.2020	G01F 25/00
(51) G01F 1/684	(87) EP2015053677	(11) EP2984460
G01F 5/00	17.09.2015	(21) EP14705132.0
(11) EP3176545	(22) 23.02.2015	(47) 16.09.2020
(21) EP15827979.4	(54) TRANSFORMER DEVICE AND	(87) EP2014052993
(47) 16.09.2020	MEASUREMENT SYSTEM FORMED	16.10.2014
(87) JP2015067113	THEREWITH	(22) 17.02.2014
04.02.2016	(73) Endress+Hauser Flowtec AG	(54) TIME-DOMAIN REFLECTION TYPE
(22) 15.06.2015	(72) RIEDER, Alfred	METHOD FOR MEASURING A FILLING
(54) PHYSICAL-QUANTITY DETECTION	ZHU, Hao	LEVEL
DEVICE	BITTO, Ennio	(73) Endress+Hauser SE+Co. KG
(73) Hitachi Automotive Systems, Ltd.	ECKERT, Gerhard	(72) GORENFLO, Stefan
(72) YOGO Takayuki	HUBENSTEINER, Josef	MALINOVSKIY, Alexey
HOSHIKA Hiroaki	WIESMANN, Michael	(31) 102013103532
MIKI Takahiro	LIN, Yaoying	(32) 09.04.2013
(31) 2014154712	(31) 102014103427	(33) Germany
(32) 30.07.2014	(32) 13.03.2014	(51) G01F 23/284
(33) Japan	(33) Germany	G01S 7/40
(51) G01F 1/688	(51) G01F 1/84	G01S 13/42
G01F 15/00	G01F 23/296	G01S 13/88
(11) EP3535549	G01N 9/00	G01S 13/89
(21) EP17787142.3	G01N 11/16	H01Q 1/22
(47) 16.09.2020	G01N 29/02	H01Q 3/08
(87) EP2017075788	G01N 29/024	H01Q 19/06
11.05.2018	(11) EP3256822	H01Q 21/06
(22) 10.10.2017	(21) EP16703740.7	H01Q 21/08
(54) METHOD OF MANUFACTURING	(47) 16.09.2020	(11) EP3377864
A PROBE FOR A THERMAL	(87) EP2016051707	(21) EP15795174.0
TYPE FLOWMETER, PROBE AND	18.08.2016	(47) 16.09.2020
FLOWMETER	(22) 27.01.2016	(87) EP2015076859
(73) Endress+Hauser Flowtec AG	(54) DEVICE FOR DETERMINING AND/	26.05.2017
(72) GABERTHÜEL, Stephan	OR MONITORING AT LEAST ONE	(22) 17.11.2015
GRÜN, Alexander	PROCESS VARIABLE FOR A MEDIUM	(54) ANTENNA DEVICE AND METHOD FOR
SCHULTHEIS, Hanno	AND CORRESPONDING METHOD	OPERATING AN ANTENNA DEVICE
BAUR, Tobias	(73) Endress+Hauser SE+Co. KG	(73) VEGA Grieshaber KG

(72) WELLE, Roland	G01M 3/24	(54) RAMAN SPECTRUM INSPECTION APPARATUS
(51) G01F 23/296	G01N 29/14	(73) Nuctech Company Limited
G01N 9/00	G01N 29/44	(72) ZHANG, Jianhong
G01N 11/16	H04M 1/24	WANG, Hongqiu
(11) EP3262395	H04M 1/725	ZHANG, Li
(21) EP16701960.3	(11) EP3366028	(31) 201710616652
(47) 16.09.2020	(21) EP16795451.0	(32) 25.07.2017
(87) EP2016051935	(47) 16.09.2020	(33) China
01.09.2016	(87) SE2016051009	
(22) 29.01.2016	27.04.2017	(51) G01J 5/00
(54) VIBRONIC SENSOR	(22) 18.10.2016	G01J 5/60
(73) Endress+Hauser SE+Co. KG	(54) ACOUSTIC MEANS FOR	(11) EP2887031
(72) BRENGARTNER, Tobias	DETECTING IF THE CASING OF	(21) EP14195233.3
(31) 102015102834	A COMMUNICATION DEVICE	(47) 16.09.2020
(32) 27.02.2015	CONSTITUTES A CLOSED SPACE	(22) 27.11.2014
(33) Germany	(73) Ascom (Sweden) AB	(54) Method for calibrating a two-wavelength pyrometer, method for determining the temperature of a semiconducting wafer and a system for determining the temperature of a semiconducting wafer
(51) G01F 23/62	(72) HOLMBERG, Robert	(73) LayTec AG
G01F 23/72	(31) 1551344	(72) Zettler, Joerg-Thomas
(11) EP3282232	(32) 19.10.2015	Haberland, Kolja Lutz
(21) EP16776340.8	(33) Sweden	Kaspari, Christian
(47) 16.09.2020	(51) G01J 1/44	Nash, James Henry
(87) JP2016055582	H01L 31/00	Cornwell, David William
13.10.2016	H01L 31/107	(31) 13198171
(22) 25.02.2016	H01L 31/18	(32) 18.12.2013
(54) LIQUID SURFACE DETECTION DEVICE	H03G 3/30	(33) European Patent Office (EPO)
(73) Murata Manufacturing Co., Ltd.	G01S 7/486	
(72) ZHANG, Yingnan	(11) EP2556540	(51) G01J 5/02
(31) 2015077543	(21) EP11766774.1	G01J 5/04
2015225838	(47) 16.09.2020	G01J 5/06
(32) 06.04.2015	(87) US2011031679	G01J 5/08
18.11.2015	13.10.2011	G01J 5/34
(33) Japan	(22) 08.04.2011	(11) EP3526563
Japan	(54) AVALANCHE PHOTODIODE	(21) EP17791961.0
(51) G01G 3/08	OPERATING VOLTAGE SELECTION	(47) 16.09.2020
G01G 19/18	ALGORITHM	(87) EP2017075880
(11) EP2857807	(73) BAE Systems Information and Electronic Systems Integration Inc.	19.04.2018
(21) EP13187405.9	(72) JOHNSON, Aaron	(22) 11.10.2017
(47) 16.09.2020	SCHORR, David	(54) CASING WITH A PYROELECTRIC SENSOR
(22) 04.10.2013	STEENSON, JR., James H.	(73) Delta Dore
(54) Hanging scale	(31) 321969 P	(72) EVEN, Nicolas
(73) Vishay Advanced Technologies Ltd.	(32) 08.04.2010	LEGROS, Guillaume
(72) Goldman, Chaim	(33) United States of America	POUJAUD, Laurent
(51) G01G 23/00	(51) G01J 3/08	(31) 1659967
G01G 23/01	G01J 3/26	(32) 14.10.2016
G01G 23/37	G02B 26/00	(33) France
(11) EP2937676	H01S 5/06	(51) G01J 5/02
(21) EP13859696.0	H01S 5/183	G01J 5/04
(47) 16.09.2020	H01S 5/40	G01J 5/20
(87) CN2013088505	(11) EP3032662	(11) EP3067676
12.06.2014	(21) EP14834186.0	(21) EP16156191.5
(22) 04.12.2013	(47) 16.09.2020	(47) 16.09.2020
(54) WEIGHING SYSTEM WITH UNINTERRUPTED WEIGHING FUNCTION AND WEIGHING METHOD	(87) JP2014067056	(22) 17.02.2016
(73) Mettler Toledo (Changzhou) Precision Instrument Ltd.	12.02.2015	(54) DEVICE FOR DETECTING RADIATION COMPRISING AN ENCAPSULATION STRUCTURE WITH IMPROVED MECHANICAL STRENGTH
Mettler Toledo (Changzhou) Measurement Technology	(22) 26.06.2014	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
Mettler Toledo (Changzhou) Scale&System Ltd.	(54) VARIABLE-WAVELENGTH LIGHT SOURCE	(72) DUMONT, Geoffroy
(72) XIE, Guojun	(73) Hamamatsu Photonics K.K.	CARLE, Laurent
ZHU, Zijian	(72) WARASHINA, Yoshihisa	IMPERINETTI, Pierre
WAN, Qi	(31) 2013162445	POCAS, Stephane
(31) 201210513928	(32) 05.08.2013	YON, Jean-Jacques
(32) 04.12.2012	(33) Japan	(31) 1551491
(33) China	(51) G01J 3/44	
(51) G01H 3/00	G01N 21/65	
	(11) EP3435072	
	(21) EP18185563.6	
	(47) 16.09.2020	
	(22) 25.07.2018	

(32) 20.02.2015	(31) 2015131865	G01N 15/06
(33) France	(32) 30.06.2015	G01N 15/14
(51) G01J 5/12	(33) Japan	G01N 21/15
G01J 5/20	(51) G01M 11/00	G01N 21/53
(11) EP1907807	H04B 10/071	G01N 21/64
(21) EP05769971.2	(11) EP3396349	(11) EP2828639
(47) 16.09.2020	(21) EP18168628.8	(21) EP13764868.9
(87) EP2005006898	(47) 16.09.2020	(47) 16.09.2020
04.01.2007	(22) 20.04.2018	(87) US2013032017
(22) 27.06.2005	(54) OPTICAL TIME-DOMAIN	26.09.2013
(54) DEVICE FOR THE DETECTION OF	REFLECTOMETER DEVICE	(22) 15.03.2013
ELECTROMAGNETIC WAVES AND	INCLUDING COMBINED TRACE	(54) IMPROVED APPARATUS FOR
METHOD FOR PRODUCING SUCH A	DISPLAY	DETECTING PARTICLES
DEVICE	(73) Viavi Solutions France SAS	(73) Azbil Corporation
(73) TE Connectivity Sensors Germany	(72) BONCHE, Jean Paul	(72) BUCHANAN, John H.
GmbH	RECEVEUR, Olivier	MURAKAMI, Hisaya
(72) HERRNSDORF, Johannes	(31) 1753714	(31) 201261614395 P
STUTE, Georg	201815862526	(32) 22.03.2012
RÖSSINGER, Stefan, Andreas	(32) 27.04.2017	(33) United States of America
WINTERFELDT, Joachim	04.01.2018	(51) G01N 1/30
ENDERLEIN, Dirk	(33) France	G01N 33/50
(51) G01K 1/08	United States of America	G01N 33/58
G01K 11/32	(51) G01M 15/10	(11) EP3635404
(11) EP3301416	(11) EP3469330	(21) EP18729977.1
(21) EP17192356.8	(21) EP17728507.9	(47) 16.09.2020
(47) 16.09.2020	(47) 16.09.2020	(87) EP2018065247
(22) 21.09.2017	(87) EP2017063289	13.12.2018
(54) THERMOGRAPHIC TEMPERATURE	21.12.2017	(22) 08.06.2018
SENSOR	(22) 01.06.2017	(54) A METHOD OF ANALYSING A SAMPLE
(73) General Electric Company	(54) EXHAUST GAS INSPECTION METHOD	FOR AT LEAST ONE ANALYTE
(72) ELLIS, Andrew David	(73) Technische Universität Wien	(73) Lumito AB
SHAW, Donald W.	(72) PUCHER, Ernst	(72) MOUSAVI, Monirehalsalat
BESHEARS, David	(31) 505382016	WIDÉN, Urban
DINKEL, Duane Weldon	(32) 14.06.2016	SJÖGREN, Anders
HENDERSON, Jason Ryan	(33) Austria	(31) 1750729
ALLISON, Stephen W.	(51) G01N 1/22	(32) 08.06.2017
(31) 201615279090	G01N 1/24	(33) Sweden
(32) 28.09.2016	G01N 15/00	(51) G01N 1/31
(33) United States of America	G01N 15/02	G01N 35/00
(51) G01K 13/02	G01N 15/06	G02B 21/16
(11) EP3418703	G01N 21/53	G02B 21/34
(21) EP18178617.9	G01N 21/85	(11) EP3548865
(47) 16.09.2020	F24F 1/02	(21) EP17804206.5
(22) 19.06.2018	(11) EP3271698	(47) 16.09.2020
(54) AIR TEMPERATURE SENSOR	(21) EP16811963.4	(87) EP2017080697
(73) Unison Industries LLC	(47) 16.09.2020	07.06.2018
(72) SHAUGHNESSY, Kyle	(87) KR2016006442	(22) 28.11.2017
(31) 201715630310	22.12.2016	(54) SLIDE HOLDING IN DIGITAL
(32) 22.06.2017	(22) 17.06.2016	PATHOLOGY
(33) United States of America	(54) PARTICLE SENSING DEVICE AND AIR	(73) Koninklijke Philips N.V.
(51) G01L 5/00	CONDITIONER INCLUDING THE SAME	(72) VINK, Jelte, Peter
G01N 3/20	(73) Samsung Electronics Co., Ltd.	VAN DE RIJDT, Johannes, Hubertus,
G01L 5/10	(72) OH, Seung Won	Antonius
G01L 5/107	KIM, Kwon Jin	HAAZEN, Nicole, Catharina, Elisabeth
(11) EP3318864	KIM, Jin Gyun	RIEMENS, Gerard, Rudolf
(21) EP16817480.3	SEO, Hyeong Joon	NUIJTEN, Emilianus, Henricus,
(47) 16.09.2020	SON, Sun Hee	Anthonius, Johannes
(87) JP2016003150	SONG, Woo Seog	(31) 16201154
05.01.2017	CHOI, Kang Ho	(32) 29.11.2016
(22) 30.06.2016	KIM, Nak Hyun	(33) European Patent Office (EPO)
(54) REACTION FORCE MEASUREMENT	KIM, Young Jae	(51) G01N 3/06
DEVICE, DETERIORATION	KIM, Ji Hong	G01N 3/08
DIAGNOSING METHOD, AND	KIM, Hyun Ah	G01N 3/24
DETERIORATION DIAGNOSING	JEONG, Se Kwan	G01N 33/36
DEVICE	(31) 20150087260	(11) EP3186613
(73) Bridgestone Corporation	(32) 19.06.2015	(21) EP15760087.5
(72) SUZUKI, Koji	(33) Korea (Republic)	(47) 16.09.2020
KURODA, Taisuke	(51) G01N 1/22	(87) EP2015001532

03.03.2016	(73) Bacterioscan Ltd.	(22) 24.02.2014
(22) 24.07.2015	(72) MARSHALL, Dana A.	(54) A METHOD AND AN ARRANGEMENT
(54) BIAXIAL MEASURING DEVICE	MCMINN, Theodore S.	FOR MEASURING THE GLOSS OF
AND METHOD FOR DETERMINING	REGELMAN, Dan Vadim	GRAINS
NORMAL AND SHEAR STRESS-	(31) 201414562304	(73) Buhler (India) Pvt. Ltd.
CORRELATED MATERIAL	201562100800 P	(72) MISHRA, Jyoti Prakash
PARAMETERS	201562107931 P	KANI, Bismillah
(73) Karlsruher Institut für Technologie	201562151065 P	KUMAR, Manit
(72) HEINLEIN, Kai	(32) 05.12.2014	TRIKKUR, Gopalakrishnan
MAGER, Arnold	07.01.2015	(31) 6173CH2013
WAGNER, Rosemarie	26.01.2015	(32) 30.12.2013
(31) 102014112161	22.04.2015	(33) India
(32) 26.08.2014	(33) United States of America	(51) G01N 21/77
(33) Germany	United States of America	G02B 6/024
(51) G01N 15/00	United States of America	G02B 6/24
G01N 15/10	United States of America	G02B 6/255
G01N 15/14	(51) G01N 21/17	G02B 6/26
G01N 33/49	G01N 21/64	G01R 31/36
G03H 1/00	G01N 33/53	(11) EP3517938
G03H 1/04	G01N 33/543	(21) EP18154070.9
(11) EP3462170	G01N 35/00	(47) 16.09.2020
(21) EP17193959.8	G01N 21/552	(22) 30.01.2018
(47) 16.09.2020	C12Q 1/6825	(54) OPTICAL DETECTOR AND METHOD
(22) 29.09.2017	(11) EP2710359	FOR DETECTION OF A CHEMICAL
(54) SPECIFIC MALARIA DETECTION WITH	(21) EP12733235.1	COMPOUND
DIGITAL OPTICAL MICROSCOPY	(47) 16.09.2020	(73) Karlsruher Institut für Technologie
(73) Siemens Healthcare GmbH	(87) RO2012000003	University Of Aveiro
(72) Hayden, Oliver	18.10.2012	(72) DING, Markus
Richter, Lukas	(22) 16.02.2012	KOCH, Stephan
Ugele, Matthias	(54) SYSTEMS AND METHOD FOR	PASSERINI, Stefano
Marquardt, Gaby	DETECTION AND QUANTITATION	DE LEMOS PINTO, Joao
Stanzel, Manfred	OF ANALYTES USING IMPEDANCE	DOS ANJOS FERREIRA, Marta Sofia
(51) G01N 15/02	ANALYSIS	(51) G01N 21/90
G01N 15/10	(73) Centrul International de Biodinamica	(11) EP3516378
G01N 15/12	(72) GHEORGHIU, Eugen	(21) EP17784350.5
G01N 15/14	BRATU, Dumitru	(47) 16.09.2020
G01N 27/06	DAVID, Mihai Sorin	(87) FR2017052507
G01N 27/12	POLONSCHII, Cristina	22.03.2018
(11) EP3100038	(31) 201100135	(22) 19.09.2017
(21) EP15743487.9	201100136	(54) DEVICE FOR OPTICALLY INSPECTING
(47) 16.09.2020	(32) 16.02.2011	GLASS RECEPTACLES AS THEY
(87) US2015013854	16.02.2011	LEAVE A MOULDING MACHINE
06.08.2015	(33) Romania	(73) Tiama
(22) 30.01.2015	Romania	(72) FILLON, Pascal
(54) IMPEDANCE TESTING WITH	(51) G01N 21/39	FOUGERE, Florent
ALTERNATING CURRENT	G01N 21/85	CHABERT, Adrien
FREQUENCY CONTROL	G01N 21/3504	(31) 1658759
(73) Hewlett-Packard Development Company,	(11) EP3557228	(32) 19.09.2016
L.P.	(21) EP19166965.4	(33) France
(72) LU, Sirena C.	(47) 16.09.2020	(51) G01N 21/956
VALENCIA, Melinda M.	(22) 03.04.2019	(11) EP3184997
SELLS, Jeremy	(54) GAS ANALYZER	(21) EP16205209.6
GIRI, Manish	(73) Yokogawa Electric Corporation	(47) 16.09.2020
(31) PCT/US2014/013748	(72) KOBAYASHI, Yoshitaka	(22) 20.12.2016
(32) 30.01.2014	MATSUO, Junichi	(54) INSPECTION DEVICE AND METHOD
(33) World Intellectual Property Office (WIPO)	FUJIMURA, Naoyuki	FOR VERIFYING A SEMIFINISHED
(51) G01N 21/03	(31) 2018078474	CHIP CARD PRODUCT
G01N 21/51	(32) 16.04.2018	(73) Bundesdruckerei GmbH
(11) EP3227664	(33) Japan	(72) FERBER, Alexander
(21) EP15865075.4	(51) G01N 21/57	KLOESER, Joachim
(47) 16.09.2020	G01N 21/85	ROSSEK, Kai
(87) IB2015059385	G01N 33/02	MUTH, Oliver
09.06.2016	G01N 33/10	(31) 102015122726
(22) 04.12.2015	(11) EP3090249	(32) 23.12.2015
(54) MULTI-SAMPLE LASER-SCATTER	(21) EP14727082.1	(33) Germany
MEASUREMENT INSTRUMENT	(47) 16.09.2020	(51) G01N 23/222
WITH INCUBATION FEATURE, AND	(87) IN2014000117	G21G 4/02
SYSTEMS FOR USING THE SAME	09.07.2015	(11) EP3474292

(21) EP18201432.4	(32) 18.11.2011	(51) G01N 33/48
(47) 16.09.2020	13.11.2012	G01N 33/68
(22) 19.10.2018	(33) Japan	(11) EP2972308
(54) PHOTONEUTRON SOURCE AND NEUTRON INSPECTION SYSTEM	Japan	(21) EP14765203.6
(73) Tsinghua University	(51) G01N 27/414	(47) 16.09.2020
Nuctech Company Limited	H03H 9/64	(87) US2014028412
(72) YANG, Yigang	(11) EP3501105	18.09.2014
WANG, Dongyu	(21) EP17745514.4	(22) 14.03.2014
YU, Hao	(47) 16.09.2020	(54) BIOMARKERS AND METHODS FOR PREDICTING PRETERM BIRTH
WANG, Weizhen	(87) IB2017054140	(73) Sera Prognostics, Inc.
GUAN, Weiqiang	01.03.2018	(72) HICKOK, Durlin Edward
YIN, Wei	(22) 10.07.2017	BONIFACE, John Jay
LI, Wei	(54) SURFACE ACOUSTIC WAVE RFID SENSOR FOR MATERIAL AND STRUCTURE SENSING	CRITCHFIELD, Gregory Charles
SONG, Quanwei	(73) Epitronic Holdings Pte. Ltd.	FLEISCHER, Tracey Cristine
LI, Yulan	(72) RAM, Ayal	(31) 201361798504 P
ZONG, Chunguang	(31) 201662377774 P	201361919586 P
LIU, Yaohong	(32) 22.08.2016	(32) 15.03.2013
LI, Yuanjing	(33) United States of America	20.12.2013
CHEN, Zhiqiang	(51) G01N 29/02	(33) United States of America
ZHANG, Li	G01N 29/24	United States of America
LI, Jianmin	G10K 11/36	(51) G01N 33/483
(31) 201710984433	H01L 27/20	G06K 9/00
(32) 20.10.2017	H01L 29/66	G06T 7/00
(33) China	H03H 9/64	(11) EP3286731
(51) G01N 27/22	(11) EP3500851	(21) EP16720643.2
(11) EP3563144	(21) EP17745209.1	(47) 16.09.2020
(21) EP18702929.3	(47) 16.09.2020	(87) US2016028913
(47) 16.09.2020	(87) IB2017054141	27.10.2016
(87) EP2018050900	22.02.2018	(22) 22.04.2016
25.10.2018	(22) 10.07.2017	(54) COLONY CONTRAST GATHERING
(22) 15.01.2018	(54) SURFACE ACOUSTIC WAVE RFID SENSOR FOR CHEMICAL DETECTION AND (BIO)MOLECULAR DIAGNOSTICS	(73) BD Kiestra B.V.
(54) METHOD OF OPERATING A CAPACITIVE RAIN SENSOR OF A VEHICLE	(73) Epitronic Holdings Pte. Ltd.	Wiles, Timothy M.
(73) Audi AG	(72) RAM, Ayal	(72) WILES, Timothy M.
(72) NACHTIGALL, Jens	(31) 201662375711 P	MARCELPOIL, Raphael Rodolphe
(31) 102017206480	201662375683 P	(31) 201562151681 P
(32) 18.04.2017	201662375697 P	201662318483 P
(33) Germany	201662375670 P	(32) 23.04.2015
(51) G01N 27/406	201662375656 P	05.04.2016
G01N 27/419	(32) 16.08.2016	(33) United States of America
(11) EP2583091	16.08.2016	United States of America
(21) EP11725078.7	16.08.2016	(51) G01N 33/50
(47) 16.09.2020	16.08.2016	(11) EP2430445
(87) EP2011059739	16.08.2016	(21) EP10726716.3
19.01.2012	16.08.2016	(47) 16.09.2020
(22) 10.06.2011	(33) United States of America	(87) US2010034987
(54) METHOD FOR OPERATING A GAS PROBE	United States of America	18.11.2010
(73) Robert Bosch GmbH	United States of America	(22) 14.05.2010
(72) BEVOT, Claudius	United States of America	(54) SYSTEM AND METHODS FOR RAPID IDENTIFICATION AND/ OR CHARACTERIZATION OF A MICROBIAL AGENT IN A SAMPLE
SCHICHLEIN, Helge	United States of America	(73) Biomerieux, Inc
(31) 102010030117	(51) G01N 33/02	(72) ROBINSON, Ronnie, J.
(32) 15.06.2010	G01N 23/046	WILSON, Mark, S.
(33) Germany	(11) EP3035049	RONICK, Christopher, S.
(51) G01N 27/407	(21) EP15198083.6	WALSH, John, D.
(11) EP2741077	(47) 16.09.2020	HYMAN, Jones
(21) EP14157313.9	(22) 04.12.2015	CLAY, Bradford
(47) 16.09.2020	(54) METHOD OF ANALYSING GROUND COFFEE	(31) 216339 P
(22) 15.11.2012	(73) Gruppo Cimbali S.p.A.	(32) 15.05.2009
(54) Gas sensor	(72) SANTINI, Maurizio	(33) United States of America
(73) NGK Insulators, Ltd.	PALEARI, Stefano	(51) G01N 33/50
(72) Sekiya, Takayuki	GALIMBERTI, Alberto	(11) EP3129909
Murakami, Mika	QUARATESI, Guido	(21) EP15721065.9
Seimori, Tomoya	(31) MI20142179	(47) 16.09.2020
(31) 2011253165	(32) 18.12.2014	(87) US2015024907
2012249206	(33) Italy	15.10.2015

- (22) 08.04.2015
(54) SMALL MOLECULE BIOCHEMICAL PROFILING OF INDIVIDUAL SUBJECTS FOR DISEASE DIAGNOSIS AND HEALTH ASSESSMENT
(73) Metabolon, Inc.
(72) MILBURN, Michael V.
RYALS, John A.
GUO, Lining
ECKHART, Andrea
WULFF, Jacob
KENNEDY, Adam D.
JÖNSSON, Thomas J.
MICHALEK, Ryan Douglas
WITTMANN, Bryan
MITCHELL, Matthew
(31) 201461976886 P
201462037422 P
201562118338 P
(32) 08.04.2014
14.08.2014
19.02.2015
(33) United States of America
United States of America
United States of America
(51) G01N 33/535
(11) EP3315969
(21) EP17178811.0
(47) 16.09.2020
(22) 29.06.2017
(54) METHOD OF DETECTING TEST SUBSTANCE BY IMMUNE COMPLEX TRANSFER METHOD
(73) SYSMEX CORPORATION
(72) HASHIDA, Seiichi
MORIMOTO, Aya
WATANABE, Toshihiro
YAMAGAITO, Takahiro
(31) 2016129759
(32) 30.06.2016
(33) Japan
(51) G01N 33/536
G01N 33/68
G01N 33/94
(11) EP3391050
(21) EP16823180.1
(47) 16.09.2020
(87) EP2016080887
22.06.2017
(22) 14.12.2016
(54) THREE-STEP ACID DISSOCIATION ENZYME LINKED IMMUNOSORBENT (TADELIS) ASSAY
(73) F. Hoffmann-La Roche AG
(72) JORDAN, Gregor
STAACK, Roland
(31) 15200446
(32) 16.12.2015
(33) European Patent Office (EPO)
(51) G01N 33/543
G01N 33/574
G01N 33/68
(11) EP3161487
(21) EP15735806.0
(47) 16.09.2020
(87) US2015037148
30.12.2015
(22) 23.06.2015
(54) METHODS AND DEVICES FOR DETERMINING A DISEASE STATE
(73) Analiza, Inc.
(72) CHAIT, Arnon
ZASLAVSKY, Boris Y.
(31) 201414312907
(32) 24.06.2014
(33) United States of America
(51) G01N 33/558
G01N 33/68
(11) EP3311142
(21) EP16812516.9
(47) 16.09.2020
(87) US2016038062
22.12.2016
(22) 17.06.2016
(54) DETECTION OF CEREBROSPINAL FLUID
(73) NSPC Technologies, LLC
Rensselaer Polytechnic Institute
(72) KWON, Seok-Joon
LINHARDT, Robert, J.
DORDICK, Jonathan, S.
SONSTEIN, William, J.
ZHANG, Fuming
(31) 201562181469 P
(32) 18.06.2015
(33) United States of America
(51) G01N 33/569
(11) EP3335046
(21) EP16754310.7
(47) 16.09.2020
(87) GB2016052509
16.02.2017
(22) 12.08.2016
(54) COMPOSITIONS AND METHODS
(73) Diagnostig Ltd
(72) BAIRD, Mark Stephen
GWENIN, Christopher David
AL DULAYMI, Juma'a Raheem Najeem
TAHER, Salam Ghafour
(31) 201514415
(32) 13.08.2015
(33) United Kingdom
(51) G01N 33/569
G01N 33/58
(11) EP3325970
(21) EP16745594.8
(47) 16.09.2020
(87) US2016043129
02.02.2017
(22) 20.07.2016
(54) HIGH THROUGHPUT METHODS FOR VIRUS QUANTIFICATION
(73) Boehringer Ingelheim Animal Health USA Inc.
(72) REYES, Jean
(31) 201562196886 P
(32) 24.07.2015
(33) United States of America
(51) G01N 33/574
(11) EP3400443
(21) EP17700023.9
(47) 16.09.2020
(87) EP2017050088
13.07.2017
(22) 03.01.2017
(54) USE OF PD-1 AND TIM-3 AS A MEASURE FOR CD8+ CELLS IN PREDICTING AND TREATING RENAL CELL CARCINOMA
(73) INSERM (Institut National de la Santé et de la Recherche Médicale)
Université Paris Descartes
Assistance Publique-Hôpitaux de Paris (APHP)
(72) TARTOUR, Eric
DARIANE, Charles
GRANIER, Clémence
GEY, Alain
(31) 16305004
(32) 04.01.2016
(33) European Patent Office (EPO)
(51) G01N 33/68
(11) EP3324186
(21) EP16199792.9
(47) 16.09.2020
(22) 21.11.2016
(54) METHOD FOR THE PRESELECTION OF DRUGS FOR PROTEIN MISFOLDING DISEASES
(73) Ruhr-Universität Bochum
(72) GERWERT, Klaus
NABERS, Andreas
SCHARTNER, Jonas
(51) G01R 1/067
G01R 35/00
(11) EP2913684
(21) EP15156242.8
(47) 16.09.2020
(22) 24.02.2015
(54) Dynamic compensation circuit
(73) Tektronix, Inc.
(72) Mende, Michael
Booman, Richard
(31) 201414188299
(32) 24.02.2014
(33) United States of America
(51) G01R 13/02
H03M 1/12
(11) EP2916136
(21) EP15157601.4
(47) 16.09.2020
(22) 04.03.2015
(54) TEST AND MEASUREMENT INSTRUMENT INCLUDING ASYNCHRONOUS TIME-INTERLEAVED DIGITIZER USING HARMONIC MIXING
(73) Tektronix, Inc.
(72) Knierim, Daniel
Lamb, James
(31) 201461947909 P
201414254373
(32) 04.03.2014
16.04.2014
(33) United States of America
United States of America
(51) G01R 15/24
(11) EP3084451
(21) EP14825326.3
(47) 16.09.2020
(87) EP2014078782
25.06.2015
(22) 19.12.2014
(54) FIBER-OPTIC SENSOR AND METHOD

(73) ABB Schweiz AG	(72) ZHOU, Yuxiang	(51) G01R 33/30
(72) MÜLLER, Georg	FAN, Haiming	G01R 33/34
BOHNERT, Klaus	ZHAO, Qing	G01R 33/46
FRANK, Andreas	CAO, Guoxiang	(11) EP3264125
GABUS, Philippe	(51) G01R 31/00	(21) EP17179069.4
(31) PCT/EP2013/077707	H02H 1/06	(47) 16.09.2020
(32) 20.12.2013	H02H 3/04	(22) 30.06.2017
(33) World Intellectual Property Office (WIPO)	H02H 7/16	(54) HF COIL ASSEMBLY FOR NMR
(51) G01R 19/14	(11) EP2403090	(73) Bruker Switzerland AG
(11) EP2913685	(21) EP11005357.6	(72) Hassan, Alia
(21) EP15151962.6	(47) 16.09.2020	Freytag, Nicolas
(47) 16.09.2020	(22) 30.06.2011	(31) 102016212018
(22) 21.01.2015	(54) Apparatus for energizing a protective device, and associated method	(32) 01.07.2016
(54) Universal interface for detector	(73) Eaton Corporation	(33) Germany
(73) Schneider Electric Industries SAS	(72) Naiva, Matthew Wilbur	(51) G01R 33/30
(72) Caseras, Loic	Verheyen, Mark Alan	G01R 33/345
Roger, Mireille	Riley, Joseph Daniel	G01R 33/62
Tardivon, Alain	(31) 827663	(11) EP2726894
(31) 1451525	(32) 30.06.2010	(21) EP12730529.0
(32) 26.02.2014	(33) United States of America	(47) 16.09.2020
(33) France	(51) G01R 31/34	(87) EP2012062492
(51) G01R 19/165	(11) EP3514556	03.01.2013
H02H 1/00	(21) EP18215713.1	(22) 27.06.2012
H02H 3/30	(47) 16.09.2020	(54) MAGNETIC RESONANCE
H02H 7/26	(22) 21.12.2018	HYPERPOLARIZATION AND MULTIPLE
G01R 31/52	(54) METHOD AND SYSTEM FOR	IRRADIATION PROBE HEAD
(11) EP2929607	MAGNETIC BURST TESTING OF	(73) Consiglio Nazionale Delle Ricerche
(21) EP13815256.6	ELECTRIC MOTORS	(72) ANNINO, Giuseppe
(47) 16.09.2020	(73) Avo Multi-Amp Corporation dba Megger	MACOR, Alessandro
(87) US2013073375	(72) Powers, Craig	DE RIJK, Emile
12.06.2014	(31) 201715849775	ALBERTI, Stefano
(22) 05.12.2013	201715849854	(31) PCT/EP2011/060856
(54) POWER DISTRIBUTION SYSTEM WITH	(32) 21.12.2017	(32) 28.06.2011
TESTING OF TRANSMISSION LINE	21.12.2017	(33) World Intellectual Property Office (WIPO)
(73) Voltserver Inc.	(33) United States of America	(51) G01R 33/34
(72) EAVES, Stephen	United States of America	G01R 33/36
(31) 201213707842	(51) G01R 31/3842	G01R 33/422
(32) 07.12.2012	G01R 31/389	G01R 33/48
(33) United States of America	(11) EP3002597	H01Q 1/27
(51) G01R 23/00	(21) EP13885168.8	H01Q 9/16
G01R 23/16	(47) 16.09.2020	H01Q 21/20
G01R 31/317	(87) JP2013064371	H01Q 21/26
(11) EP3462188	27.11.2014	(11) EP3555648
(21) EP18197119.3	(22) 23.05.2013	(21) EP17811433.6
(47) 16.09.2020	(54) BATTERY CONTROL DEVICE	(47) 16.09.2020
(22) 27.09.2018	(73) Vehicle Energy Japan Inc.	(87) DE2017000402
(54) METHOD FOR DETERMINING	(72) OHKAWA, Keiichiro	21.06.2018
THE QUALITY FACTOR OF AN	IGARASHI, Naoyuki	(22) 24.11.2017
OSCILLATOR	(51) G01R 33/00	(54) DIPOLE ANTENNA ASSEMBLY FOR
(73) Commissariat à l'Energie Atomique et	G01R 33/06	CAPTURING IMAGES BY MEANS OF
aux Energies Alternatives	G01R 33/09	NUCLEAR MAGNETIC RESONANCE
(72) NOWODZINSKI, Antoine	G01R 33/18	METHODS
SOUCHON, Frédéric	H01L 41/047	(73) Forschungszentrum Jülich GmbH
(31) 1759009	H01L 41/00	(72) FELDER, Jörg
(32) 28.09.2017	(11) EP3104186	HONG, Suk Min
(33) France	(21) EP15170985.4	SHAH, Nadim Joni
(51) G01R 29/08	(47) 16.09.2020	MAGILL, Arthur William
H04B 7/005	(22) 08.06.2015	(31) 102016014978
H04B 17/309	(54) MAGNETO-ELECTRIC MAGNETIC	(32) 15.12.2016
(11) EP3531570	FIELD MEASUREMENT WITH	(33) Germany
(21) EP16925949.6	FREQUENCY CONVERSION	(51) G01R 33/36
(47) 16.09.2020	(73) Christian-Albrechts-Universität zu Kiel	(11) EP3252490
(87) CN2016112349	(72) Hayes, Patrick	(21) EP16172882.9
05.07.2018	Piorra, André	(47) 16.09.2020
(22) 27.12.2016	Knöchel, Reinhard	(22) 03.06.2016
(54) ODU AND CONTROL METHOD FOR	Quandt, Eckhard	(54) DEVICE AND METHOD FOR
TRANSMISSION POWER OF ODU		TRANSPORTING RADIOFREQUENCY-
(73) HUAWEI TECHNOLOGIES CO., LTD.		

SIGNALS THROUGH A SHIELDED, BALANCED LINE	(72) CHEN, Zhe JIN, Zhe	United States of America United States of America
(73) Siemens Healthcare GmbH	WU, Yiling	(51) G01S 7/40
(72) BOLLENBECK, Jan	ZHANG, Weiliang	G01S 13/02
(51) G01R 33/36	(51) G01S 5/00	H01Q 3/26
G01R 33/48	G01S 5/14	(11) EP3226350
G01R 33/563	H04L 9/32	(21) EP17161757.4
(11) EP3388854	H04L 29/06	(47) 16.09.2020
(21) EP17166038.4	H04W 12/06	(22) 20.03.2017
(47) 16.09.2020	H04W 24/00	(54) PHASED ARRAY TRANSMISSION DEVICE AND CARRIER LEAK CORRECTION METHOD
(22) 11.04.2017	H04W 24/08	(73) Panasonic Intellectual Property Management Co., Ltd.
(54) STANDARDIZED WIRELESS COUPLING BETWEEN A MAGNETIC RESONANCE SYSTEM AND AN EXTERNAL DEVICE	H04W 84/18	(72) MIYANAGA, Kenji
(73) Siemens Healthcare GmbH	G01S 5/02	OKAZAKI, Yukio
(72) Franger, Dirk	G06F 21/35	(31) 2016065428
Hengerer, Arne	H04B 17/27	(32) 29.03.2016
Lauer, Lars	H04B 17/318	(33) Japan
Rothgang, Eva	H04W 4/00	(51) G01S 7/481
Schneider, Rainer	H04W 4/02	G01S 7/493
(51) G01R 33/3873	H04W 4/021	G01S 17/46
(11) EP2924456	H04W 4/33	G01S 17/50
(21) EP15160882.5	H04W 4/40	(11) EP2902803
(47) 16.09.2020	H04W 4/80	(21) EP13842660.6
(22) 25.03.2015	G07C 9/28	(47) 16.09.2020
(54) SHIMMING METHOD FOR CORRECTING INHOMOGENEITY OF THE STATIC MAGNETIC FIELD GENERATED BY THE MAGNET OF A NUCLEAR MAGNETIC RESONANCE IMAGING MACHINE	(11) EP3443376	(87) KR2013008642
(73) Esaote S.p.A.	(21) EP17783263.1	03.04.2014
(72) Punzo, Vincenzo	(47) 16.09.2020	(22) 26.09.2013
(31) GE20140032	(87) US2017027686	(54) PROXIMITY SENSOR AND PROXIMITY SENSING METHOD USING EVENT- BASED VISION SENSOR
(32) 28.03.2014	19.10.2017	(73) Samsung Electronics Co., Ltd.
(33) Italy	(22) 14.04.2017	(72) LEE, Jun Haeng
(51) G01S 1/68	(54) SYSTEM FOR ESTABLISHING REAL- TIME LOCATION	RYU, Hyun Surk
H05B 47/19	(73) DENSO CORPORATION	WON, Jae Yeon
(11) EP3339873	(72) STITT, Raymond Michael	PARK, Keun Joo
(21) EP17195947.1	SMITH, Eric	(31) 20120107431
(47) 16.09.2020	STROUD, Michael	(32) 26.09.2012
(22) 11.10.2017	HARTMAN, Robert	(33) Korea (Republic)
(54) OPERATION OF A TRANSMISSION DEVICE OF A LIGHTING DEVICE HAVING A LIGHT ASSEMBLY	JAGER, Karl	(51) G01S 7/487
(73) OSRAM GmbH	FOMINAYA IV, Antonio	(11) EP3518001
(72) FEIL, Henry	(31) 201662323262 P	(21) EP18153440.5
PEITZ, Christoph	(32) 15.04.2016	(47) 16.09.2020
STUTZ, Michel	(33) United States of America	(22) 25.01.2018
WALLWITZ, Karl-Heinz	(51) G01S 5/00	(54) METHOD FOR INCREASING THE RELIABILITY OF DETERMINING THE POSITION OF A VEHICLE ON THE BASIS OF A PLURALITY OF DETECTION POINTS
WALLWITZ, Andrej	G01S 11/08	(73) Aptiv Technologies Limited
(31) 102016125636	H04L 12/26	(72) Pishevvari, Ahmad
(32) 23.12.2016	H04W 64/00	Lessmann, Stephanie
(33) Germany	G01S 5/02	lurgel, Uri
(51) G01S 5/00	H04L 12/841	(51) G01S 7/521
G01S 5/10	(11) EP3369215	G01S 15/87
H04W 64/00	(21) EP16787690.3	G01S 15/931
G01S 5/02	(47) 16.09.2020	(11) EP3019890
(11) EP3528560	(87) US2016057570	(21) EP14723444.7
(21) EP16920617.4	04.05.2017	(47) 16.09.2020
(47) 16.09.2020	(22) 19.10.2016	(87) EP2014059719
(87) CN2016104784	(54) BULK PROPAGATION TIMING MEASUREMENT MESSAGING	15.01.2015
11.05.2018	(73) Microsoft Technology Licensing, LLC	(22) 13.05.2014
(22) 04.11.2016	(72) ABINADER, Fuad Mousse Jr.	(54) ASSEMBLY FOR A DRIVER ASSISTANCE SYSTEM AND METHOD FOR OPERATING A DRIVER ASSISTANCE SYSTEM
(54) SFN INDICATION METHOD AND SYSTEM	ABINADER, Eduardo	(73) Robert Bosch GmbH
(73) Huawei Technologies Co., Ltd.	(31) 201514922854	
	201514949777	
	201514954722	
	201514956369	
	(32) 26.10.2015	
	23.11.2015	
	30.11.2015	
	01.12.2015	
	(33) United States of America	
	United States of America	

(72) SCHUMANN, Michael	(22) 29.10.2015	(72) STEIN, Jürgen
(31) 102013213475	(54) POSITIONING METHOD IN MOBILE NETWORK AND SERVER	(51) G01T 1/24
(32) 10.07.2013	(73) Huawei Technologies Co., Ltd.	(11) EP3262441
(33) Germany	(72) ZHANG, Yi	(21) EP16706834.5
(51) G01S 7/524	(72) LI, Hui	(47) 16.09.2020
G01S 15/89	(51) G01S 19/20	(87) EP2016053685
G10K 11/34	G01S 19/42	01.09.2016
(11) EP3028064	G01S 19/43	(22) 22.02.2016
(21) EP14744083.8	G01S 19/52	(54) PHOTON COUNTING
(47) 16.09.2020	(11) EP3505968	(73) Institut de Física d'Altes Energies
(87) EP2014065972	(21) EP18214691.0	(72) CHMEISSANI RAAD, Mokhtar
05.02.2015	(47) 16.09.2020	KOLSTEIN, Machiel
(22) 24.07.2014	(22) 20.12.2018	MACÍAS MONTERO, José Gabriel
(54) SONAR SYSTEM WITH CURVED ANTENNA OR ANTENNA CONFIGURED TO TRANSMIT THE SAME TRANSMISSION PATTERN AS THE CURVED ANTENNA	(54) METHOD FOR MONITORING THE INTEGRITY OF THE ESTIMATE OF THE POSITION OF A MOBILE CARRIER IN A SATELLITE POSITIONING MEASUREMENT SYSTEM	(31) 15382072
(73) THALES	(31) Thales	(32) 23.02.2015
(72) GUTHMANN, Pierre	(72) REVOL, Marc	(33) European Patent Office (EPO)
MANDELERT, Nicolas	(31) 1701391	(51) G01T 1/29
FERRARA, Patrick	(32) 28.12.2017	(11) EP3230768
(31) 1301864	(33) France	(21) EP15813498.1
(32) 02.08.2013	(51) G01S 19/42	(47) 16.09.2020
(33) France	(11) EP3485296	(87) GB2015053786
(51) G01S 13/00	(21) EP17740613.9	16.06.2016
(11) EP3356848	(47) 16.09.2020	(22) 10.12.2015
(21) EP16747501.1	(87) DE2017200058	(54) A METHOD OF, AND APPARATUS FOR, PROCESSING POSITRON EMISSION TOMOGRAPHY DATA
(47) 16.09.2020	18.01.2018	(73) The University Court Of The University of Edinburgh
(87) EP2016068476	(22) 27.06.2017	(72) SMITH, Gary Douglas
06.04.2017	(54) METHOD FOR DETERMINING A POSITION, CONTROL MODULE AND STORAGE MEDIUM	WATTS, Daniel
(22) 03.08.2016	(73) Continental Automotive GmbH	(31) 201422144
(54) WIND FARM AIRCRAFT BEACON SYSTEM AND WIND FARM HAVING SAID SYSTEM AND METHOD FOR PROVIDING A WIND FARM WITH A BEACON	(72) AZARKEVICH, Sergey	(32) 12.12.2014
(73) Wobben Properties GmbH	FAISST, Holger	(33) United Kingdom
(72) RISTAU, Joachim	(31) 102016212919	(51) G01V 1/30
STÜRENBURG, Erich	(32) 14.07.2016	G01V 1/34
HARMS, Stephan	(33) Germany	(11) EP2577356
(31) 102015116596	(51) G01T 1/02	(21) EP11787071.7
(32) 30.09.2015	G01T 7/00	(47) 16.09.2020
(33) Germany	(11) EP2869088	(87) US2011033519
(51) G01S 13/56	(21) EP14191458.0	01.12.2011
G01S 13/88	(47) 16.09.2020	(22) 22.04.2011
G08B 13/24	(22) 03.11.2014	(54) METHOD FOR SEISMIC ANALYSIS OF HYDROCARBON SYSTEM
G08B 29/18	(54) Method for providing a warning of radiation dose relevant space weather events at cruising altitudes	(73) ExxonMobil Upstream Research Company
(11) EP3537401	(73) Deutsches Zentrum für Luft- und Raumfahrt e.V.	(72) IMHOF, Matthias G.
(21) EP19158746.8	(72) Meier, Matthias	DIMITROV, Pavel
(47) 16.09.2020	Matthiä, Daniel	WROBEL, Kelly
(22) 22.02.2019	(31) 102013222315	KUMARAN, Krishnan
(54) SYSTEM AND METHOD FOR AUTOMATIC MOTION DETECTION	(32) 04.11.2013	TERRELL, Martin J.
(73) Inxpect S.p.A.	(33) Germany	HUSSENOEDER, Stefan
(72) Tartaro, Andrea	(51) G01T 1/208	(31) 349534 P
Degani, Alessio	(11) EP3365705	(32) 28.05.2010
Garatti, Marco	(21) EP15784340.0	(33) United States of America
(31) 201800003397	(47) 16.09.2020	(51) G01V 3/15
(32) 09.03.2018	(87) EP2015074282	(11) EP2835666
(33) Italy	27.04.2017	(21) EP14179932.0
(51) G01S 19/04	(22) 20.10.2015	(47) 16.09.2020
H04W 4/02	(54) READOUT CIRCUITRY FOR PHOTOMULTIPLIER AND PHOTOMULTIPLIER	(22) 05.08.2014
(11) EP3361757	(73) Target Systemelektronik GmbH & Co. KG	(54) Portable detector for detecting metals, including an advanced standby system
(21) EP15906973.1	(31) 1357787	(73) Costruzioni Elettroniche Industriali Automatismi S.p.A. C.E.I.A. S.P.A.
(47) 16.09.2020	(32) 05.08.2013	(72) Manneschi, Alessandro
(87) CN2015093279	(33) France	(31) 1357787
04.05.2017		(32) 05.08.2013

(51) G01V 5/00 G06T 7/00	WINTER, Ralf	(87) JP2016064318 26.01.2017
(11) EP3123208	(31) 102016207307	(22) 13.05.2016
(21) EP15711548.6	(32) 28.04.2016	(54) OPTICAL FIBER
(47) 16.09.2020	(33) Germany	(73) Fujikura Ltd.
(87) EP2015056259	(51) G02B 5/122	(72) ENDO, Sho
01.10.2015	(11) EP2350710	KITAMURA, Takayuki
(22) 24.03.2015	(21) EP09822714.3	(31) 2015142741
(54) DETECTION OF ITEMS IN A CONTAINER	(47) 16.09.2020	(32) 17.07.2015
(73) Smiths Heimann GmbH	(87) US2009061699	(33) Japan
(72) HEILMANN, Geert	29.04.2010	(51) G02B 6/10
(31) 102014205447	(22) 22.10.2009	G02B 6/12
(32) 24.03.2014	(54) RETROREFLECTIVE SHEETING	G02B 6/13
(33) Germany	(73) 3M Innovative Properties Company	H01L 21/02
(51) G02B 1/04	(72) SMITH, Kenneth, L.	(11) EP3495860
G02B 5/20	IMBERTSON, James, R.	(21) EP18211025.4
G02B 5/28	KELLIHER, John, C.	(47) 16.09.2020
(11) EP2502100	WORRELL, John, A.	(22) 07.12.2018
(21) EP10782751.1	ELLINGSTAD, Sidney, A.	(54) METHOD FOR MANUFACTURING WAVE GUIDES WITH GE BASE CORES
(47) 16.09.2020	(31) 107586 P	(73) Commissariat à l'Energie Atomique et aux Energies Alternatives
(87) US2010056390	(32) 22.10.2008	(72) HARTMANN, Jean-Michel
26.05.2011	(33) United States of America	BRUN, Mickaël
(22) 11.11.2010	(51) G02B 6/02	FEDELI, Jean-Marc
(54) MULTI-LAYER OPTICAL FILMS	(11) EP2538251	FOURNIER, Maryse
(73) 3M Innovative Properties Company	(21) EP11744480.2	(31) 1761862
(72) HEBRINK, Timothy J.	(47) 16.09.2020	(32) 08.12.2017
ROEHRIG, Mark A.	(87) JP2011051392	(33) France
WEIGEL, Mark D.	25.08.2011	(51) G02B 6/122
(31) 262417 P	(22) 26.01.2011	G02F 1/01
(32) 18.11.2009	(54) MULTI-CORE OPTICAL FIBRE	G02F 1/313
(33) United States of America	(73) Sumitomo Electric Industries, Ltd.	(11) EP3206063
(51) G02B 3/14	(72) NAGASHIMA, Takuji	(21) EP15849473.2
G02C 7/04	TARU, Toshiki	(47) 16.09.2020
G02C 7/08	SASAKI, Takashi	(87) BR2015050171
(11) EP2867723	(31) 2010033776	14.04.2016
(21) EP13737068.0	(32) 18.02.2010	(22) 06.10.2015
(47) 16.09.2020	(33) Japan	(54) MULTIFUNCTIONAL OPTICAL DEVICE BASED ON A TWO-DIMENSIONAL PHOTONIC CRYSTAL AND A MAGNETOOPTIC RESONATOR
(87) US2013048194	(51) G02B 6/02	(73) Universidade Federal Do Pará
03.01.2014	(11) EP3105623	(72) DMITRIEV, Victor
(22) 27.06.2013	(21) EP14816431.2	PORTELA, Gianni Masaki Tanaka
(54) VARIABLE FOCUS ELECTROACTIVE OPHTHALMIC DEVICE	(47) 16.09.2020	(31) 102014025075
(73) Johnson & Johnson Vision Care Inc.	(87) PL2014050075	(32) 06.10.2014
(72) PUGH, Randall B.	11.06.2015	(33) Brazil
RIALL, James	(22) 04.12.2014	(51) G02B 6/122
OTTS, Daniel B.	(54) MICROSTRUCTURED OPTICAL FIBRE WITH SELECTIVELY ENLARGED SPACES OF REDUCED REFRACTION INDEX	H01L 33/22
FLITSCH, Frederick A.	(73) Polskie Centrum Fotoniki i Swiatlowodów	(11) EP3014666
TONER, Adam	(72) HOLDYNSKI, Zbigniew	(21) EP14817864.3
(31) 201261666136 P	SZYMANSKI, Michal	(47) 16.09.2020
(32) 29.06.2012	TENDERENDA, Tadeusz	(87) US2014042496
(33) United States of America	MURAWSKI, Michal	31.12.2014
(51) G02B 5/08	NASILOWSKI, Tomasz	(22) 16.06.2014
G03F 7/20	NAPIERALA, Marek	(54) A PHOTONIC DEVICE HAVING A PHOTONIC CRYSTAL LOWER CLADDING LAYER PROVIDED ON A SEMICONDUCTOR SUBSTRATE
G21K 1/06	OSTROWSKI, Lukasz	(73) Micron Technology, Inc.
G02B 1/16	PAWLIK, Katarzyna Joanna	(72) SAADO, Yuval
(11) EP3449291	SLOWIKOWSKI, Mateusz	(31) 201313927306
(21) EP17714188.4	SZOSTKIEWICZ, Lukasz	(32) 26.06.2013
(47) 16.09.2020	STEPIEN, Karol	(33) United States of America
(87) EP2017057277	ZIOLOWICZ, Anna Katarzyna	(51) G02B 6/42
02.11.2017	(31) 40637213	H04B 10/40
(22) 28.03.2017	(32) 04.12.2013	H04B 10/50
(54) OPTICAL ELEMENT AND OPTICAL ASSEMBLY COMPRISING SAME	(33) Poland	
(73) Carl Zeiss SMT GmbH	(51) G02B 6/028	
(72) GRASSE, Christian	G02B 6/036	
DIER, Oliver	(11) EP3173832	
WEBER, Jörn	(21) EP16827493.4	
	(47) 16.09.2020	

(11) EP3228028	G06K 7/10	(51) G02B 19/00
(21) EP15813977.4	(11) EP2945095	G02B 27/09
(47) 16.09.2020	(21) EP15165284.9	H01S 3/00
(87) US2015063030	(47) 16.09.2020	H01S 5/00
09.06.2016	(22) 27.04.2015	H01S 5/40
(22) 30.11.2015	(54) INDICIA-READER HOUSING WITH AN	(11) EP2219064
(54) 2 X 40 GBPS BIDI OPTICAL	INTEGRATED OPTICAL STRUCTURE	(21) EP10001240.0
TRANSCEIVER	(73) Hand Held Products, Inc.	(47) 16.09.2020
(73) Cisco Technology, Inc.	(72) Feng, Chen	(22) 06.02.2010
(72) CAFIERO, Luca	van Horn, Erik	(54) Laser lens and diode laser
TOMADA, Franco	Xian, Tao	(73) Laserline Gesellschaft für Entwicklung
(31) 201414557326	Bremer, Edward C.	und Vertrieb von Diodenlasern mbH
(32) 01.12.2014	Kearney, Sean Phillip	(72) Krause, Volker
(33) United States of America	Patel, Mehul	Ullmann, Christoph
(51) G02B 6/44	Rueblinger, Gregory	Rehmann, Georg
H05K 5/00	Good, Timothy	Kösters, Arnd
(11) EP3167324	(31) 201414276264	(31) 102009008918
(21) EP15734166.0	(32) 13.05.2014	102009030120
(47) 16.09.2020	(33) United States of America	102009031046
(87) EP2015065299	(51) G02B 7/28	(32) 13.02.2009
14.01.2016	G02B 7/36	22.06.2009
(22) 06.07.2015	G02B 21/24	30.06.2009
(54) MODULAR CONNECTION SYSTEM	G02B 21/36	(33) Germany
FOR TELECOMMUNICATIONS	H04N 5/232	Germany
EQUIPMENT	(11) EP2990850	Germany
(73) CommScope Connectivity Belgium BVBA	(21) EP14788270.8	(51) G02B 21/00
ADC Czech Republic s.r.o.	(47) 16.09.2020	G02B 27/40
(72) PEETERS, Eric Lydia Paul	(87) JP2014061180	(11) EP2145224
SEJBAL, Stepan	30.10.2014	(21) EP08729324.7
HUYBRECHTS, Koen	(22) 21.04.2014	(47) 16.09.2020
(31) 201462022517 P	(54) IMAGE ACQUISITION DEVICE	(87) US2008053349
(32) 09.07.2014	AND METHOD AND SYSTEM FOR	14.08.2008
(33) United States of America	ACQUIRING FOCUSING INFORMATION	(22) 07.02.2008
(51) G02B 7/00	FOR SPECIMEN	(54) FORMING LIGHT BEAMS AND
G02B 7/02	(73) Hamamatsu Photonics K.K.	PATTERNS WITH ZERO INTENSITY
G02B 13/00	(72) IWASE, Fumio	CENTRAL POINTS
G02B 27/00	OKUGAWA, Masatoshi	(73) BAER, Stephen C.
G02B 27/64	(31) 2013094079	(72) BAER, Stephen C.
G03B 3/02	(32) 26.04.2013	(31) 888764 P
G03B 5/00	(33) Japan	891046 P
G03B 5/02	(51) G02B 13/00	(32) 07.02.2007
G03B 5/04	G02B 17/08	22.02.2007
G03B 5/06	F21S 2/00	(33) United States of America
G03B 5/08	F21Y 101/00	United States of America
G03B 43/00	F21V 5/00	(51) G02B 27/00
H04N 5/225	(11) EP3037718	G03F 7/20
H04N 5/232	(21) EP14833979.9	G21K 1/06
(11) EP3392699	(47) 16.09.2020	(11) EP3323020
(21) EP16874911.7	(87) JP2014071233	(21) EP16735594.0
(47) 16.09.2020	12.02.2015	(47) 16.09.2020
(87) CN2016110372	(22) 11.08.2014	(87) EP2016064174
22.06.2017	(54) ILLUMINATION DEVICE, AND WIDE	19.01.2017
(22) 16.12.2016	LIGHT DISTRIBUTION LENS	(22) 20.06.2016
(54) METHOD FOR COMPENSATING	(73) Kabushiki Kaisha Toshiba	(54) MIRROR, IN PARTICULAR FOR A
IMAGING QUALITY OF OPTICAL	Toshiba Materials Co., Ltd.	MICROLITHOGRAPHIC PROJECTION
SYSTEM BY ADJUSTING LENS	(72) OHNO Hiroshi	EXPOSURE APPARATUS
(73) Ningbo Sunny Opotech Co., Ltd.	KATO Mitsuki	(73) Carl Zeiss SMT GmbH
(72) WANG, Mingzhu	HISANO Katsumi	(72) HILD, Kerstin
LIU, Chunmei	KONDO Hiroyasu	GRUNER, Toralf
LIAO, Hailong	TSUDA Ryoji	(31) 102015213273
WANG, Yiqi	OOYA Yasumasa	(32) 15.07.2015
ZHUANG, Huaigang	HAYASHIHARA Hiromichi	(33) Germany
GUO, Nan	(31) 2013166928	(51) G02B 27/09
(31) 201510942802	PCT/JP2014/063913	G02B 27/10
(32) 16.12.2015	(32) 09.08.2013	G03B 21/00
(33) China	27.05.2014	G03B 21/20
(51) G02B 7/02	(33) Japan	G03B 21/28
G02B 27/42	World Intellectual Property Office (WIPO)	G03B 33/12

H04N 9/31	Sahel, José-Alain	G02F 1/1345
(11) EP3241072	Picaud, Serge	(11) EP3506004
(21) EP15876022.3	Arnault, Emilie	(21) EP18215627.3
(47) 16.09.2020		(47) 16.09.2020
(87) US2015067197		(22) 21.12.2018
07.07.2016	(51) G02F 1/1333	(54) DISPLAY PANEL AND METHOD OF
(22) 21.12.2015	(11) EP3267426	FABRICATING THE SAME
(54) HIGH CONTRAST DISCRETE INPUT	(21) EP15834662.7	(73) Samsung Display Co., Ltd.
PRISM FOR IMAGE PROJECTORS	(47) 16.09.2020	(72) PARK, Saeron
(73) Dolby Laboratories Licensing Corporation	(87) CN2015085264	SONG, Seungki
(72) DEWALD, Duane Scott	09.09.2016	(31) 20180000385
WAINWRIGHT, Nathan	(54) DISPLAY DEVICE AND	(32) 02.01.2018
GORNY, Douglas J.	MANUFACTURING METHOD THEREOF	(33) Korea (Republic)
RICHARDS, Martin J.	(73) BOE Technology Group Co., Ltd.	
(31) 201462099054 P	Beijing BOE Display Technology Co., Ltd.	(51) G03B 3/10
201562200417 P	(72) WANG, Junwei	(11) EP2841988
201562240287 P	CUI, Xiaopeng	(21) EP13717087.4
(32) 31.12.2014	(31) 201510093404	(47) 16.09.2020
03.08.2015	(32) 02.03.2015	(87) US2013032358
12.10.2015	(33) China	31.10.2013
(33) United States of America	(51) G02F 1/1333	(22) 15.03.2013
United States of America	(11) EP3534207	(54) SYSTEM AND METHOD TO DEPLOY
United States of America	(21) EP19169820.8	ACTIVE DAMPENING FOR LENS
	(47) 16.09.2020	RINGING AND VIBRATION
(51) G02B 27/10	(22) 25.10.2017	(73) Qualcomm Incorporated
G03B 21/00	(54) DISPLAY DEVICE	(72) HUNG, Hau Ling
G03B 21/20	(73) LG Display Co., Ltd.	ZHONG, Jeff
G03B 33/12	(72) YANG, SangMo	SOUNDRAPANDIAN, Jeyaprakash
(11) EP3514624	AEO, JongTak	GOVINDARAM, Rajakumar
(21) EP19152095.6	(31) 20160143817	RAMKUMAR, Sreesudhan Ramakrish
(47) 16.09.2020	(32) 31.10.2016	VELARDE, Ruben M.
(22) 16.01.2019	(33) Korea (Republic)	(31) 201261639368 P
(54) PROJECTOR, IMAGE GENERATION	(51) G02F 1/1335	201313830442
DEVICE, AND IMAGE GENERATION	G02F 2/02	(32) 27.04.2012
METHOD THEREOF	H01L 27/15	14.03.2013
(73) Coretronic Corporation	H01L 27/32	(33) United States of America
(72) PAN, HAW-WOEI	H01L 33/50	United States of America
HSIEH, CHI-TANG	G02F 1/17	(51) G03B 17/08
CHANG, HSIN-YUEH	(11) EP3306667	G03B 17/55
(31) 201810053332	(21) EP17195637.8	H04N 5/225
(32) 19.01.2018	(47) 16.09.2020	(11) EP3457679
(33) China	(22) 10.10.2017	(21) EP18172426.1
(51) G02B 27/42	(54) QUANTUM ROD PANEL AND	(47) 16.09.2020
G02B 27/44	QUANTUM ROD DISPLAY DEVICE	(22) 15.05.2018
(11) EP2235584	(73) LG Display Co., Ltd.	(54) TEMPERATURE-CONTROLLED
(21) EP08871178.3	(72) WOO, Sung-Il	CAMERA ASSEMBLY
(47) 16.09.2020	KIM, Byung-Geol	(73) Google LLC
(87) IL2008001592	KIM, Kyu-Nam	(72) RUKES, Jason
30.07.2009	JANG, Kyung-Kook	WILSON, Tyler
(22) 07.12.2008	LEE, Tae-Yang	VOLMERING, Amber
(54) OPTICAL DESIGNS FOR ZERO ORDER	(31) 20160130532	DONG, William
REDUCTION	(32) 10.10.2016	LAW, Jeffrey
(73) Apple Inc.	(33) Korea (Republic)	GOULDEN, Jason
(72) SHPUNT, Alexander	(51) G02F 1/1337	LIAO, Guangxun
(31) 22482	G02F 1/1339	BOOTH, Kevin Edward
(32) 21.01.2008	(11) EP3415983	HO, Dietrich
(33) United States of America	(21) EP18176477.0	FORAN, Daniel Patrick
(51) G02C 7/10	(47) 16.09.2020	MUELLER, Oliver
(11) EP2602653	(22) 07.06.2018	KRAZ, Mark
(21) EP11306630.2	(54) DISPLAY DEVICE	(31) 201762560611 P
(47) 16.09.2020	(73) InnoLux Corporation	201715793908
(22) 08.12.2011	(72) Kao, Chen-Kuan	(32) 19.09.2017
(54) Method of determining the configuration	Yang, Ching-Che	25.10.2017
of an ophthalmic filter	Kuo, Chung-Jun	(33) United States of America
(73) Essilor International	(31) 106119924	United States of America
SORBONNE UNIVERSITE	(32) 15.06.2017	
(72) Cohen-Tannoudji, Denis	(33) Taiwan, Province of China	(51) G03B 17/56
Barrau, Coralie	(51) G02F 1/1339	(11) EP3548968
Villette, Thierry Pierre		(21) EP17826323.2
		(47) 16.09.2020

(87) JP2017040702 07.06.2018	(33) Japan Japan	G04B 37/10
(22) 13.11.2017	(51) G04B 1/14	(11) EP3432084
(54) VIBRATION DAMPER AND ELECTRONIC DEVICE	G04B 1/16	(21) EP17182433.7
(73) Ricoh Company, Ltd.	(11) EP3226080	(47) 16.09.2020
(72) MURAMATSU Koichi	(21) EP17163469.4	(22) 20.07.2017
(31) 2016232802	(47) 16.09.2020	(54) SAFETY VALVE FOR A WATCH
2017083431	(22) 29.03.2017	(73) Omega SA
(32) 30.11.2016	(54) BARREL SYSTEM FOR A TIMEPIECE	(72) PODVIN, Pierre
20.04.2017	(73) Officine Panerai AG	(51) G04F 10/00
(33) Japan	(72) Dreyer-Gonzales, Frédéric	H03M 1/50
Japan	Houriet, Arnaud	(11) EP3321750
(51) G03B 17/56	(31) 4172016	(21) EP17207455.1
(11) EP3420411	(32) 30.03.2016	(47) 16.09.2020
(21) EP17713437.6	(33) Switzerland	(22) 29.03.2010
(47) 16.09.2020	(51) G04B 17/06	(54) TIME-TO-DIGITAL CONVERTER (TDC) WITH IMPROVED RESOLUTION
(87) IB2017051027	G04B 31/02	(73) QUALCOMM Incorporated
31.08.2017	(11) EP2799937	(72) WANG, Kevin, H.
(22) 23.02.2017	(21) EP14161245.7	PALAKURTY, Saru
(54) DEVICE FOR THE USE AND THE CONTEMPORANEOUS SUPPORT OF MORE THAN ONE CAMERA	(47) 16.09.2020	BOSSU, Frederic
(73) Giuliani, Paolo	(22) 24.03.2014	(31) 164816 P
(72) Giuliani, Paolo	(54) Shock-proof bearing for an horological balance	436265
(31) UB20161021	(73) ROLEX SA	(32) 30.03.2009
(32) 24.02.2016	(72) Bertrand, Jean-Louis	06.05.2009
(33) Italy	Bouenguiez, Benoît	(33) United States of America
(51) G03F 7/20	Burger, Frédéric	United States of America
(11) EP2726939	(31) 13166102	(51) G05B 13/04
(21) EP11728858.9	(32) 01.05.2013	(11) EP2734900
(47) 16.09.2020	(33) European Patent Office (EPO)	(21) EP12742838.1
(87) EP2011061157	(51) G04B 19/04	(47) 16.09.2020
10.01.2013	G04B 19/30	(87) EP2012064323
(22) 01.07.2011	G04B 19/32	24.01.2013
(54) OPTICAL IMAGING ARRANGEMENT WITH INDIVIDUALLY ACTIVELY SUPPORTED COMPONENTS	(11) EP3035128	(22) 20.07.2012
(73) Carl Zeiss SMT GmbH	(21) EP14198634.9	(54) REGULATION METHOD
(72) KWAN, Yim-Bun-Patrick	(47) 16.09.2020	(73) General Electric Technology GmbH
(51) G03G 15/08	(22) 17.12.2014	(72) HISSEL, Anne-Marie
(11) EP3081990	(54) Method for producing a decorated component of a timepiece or piece of jewellery	DE LARMINAT, Phillipe
(21) EP15198638.7	(73) Nivarox-FAR S.A.	(31) 11290333
(47) 16.09.2020	(72) Stranczl, Marc	(32) 20.07.2011
(22) 09.12.2015	(51) G04B 19/04	(33) European Patent Office (EPO)
(54) DEVELOPER CONTAINER, IMAGE FORMING UNIT, AND IMAGE FORMING APPARATUS	G04C 17/00	(51) G05B 19/042
(73) Oki Data Corporation	G04G 9/00	(11) EP3032364
(72) Suzuki, Masayuki	G04G 17/04	(21) EP15189583.6
Saito, Hisatoshi	G04G 17/08	(47) 16.09.2020
(31) 2015064034	H01Q 1/22	(22) 13.10.2015
(32) 26.03.2015	H01Q 1/24	(54) DEVICE MANAGEMENT SYSTEM AND METHOD
(33) Japan	H01Q 1/52	(73) Yokogawa Electric Corporation
(51) G03G 21/16	G04R 60/00	(72) Nguyen, Huu Thien Tan
G03G 21/18	G04R 60/02	(31) 201414566139
(11) EP2955588	G04R 60/08	(32) 10.12.2014
(21) EP15168236.6	G04R 60/10	(33) United States of America
(47) 16.09.2020	(11) EP3405994	(51) G05B 23/02
(22) 19.05.2015	(21) EP16886581.4	(11) EP1922597
(54) IMAGE FORMING APPARATUS	(47) 16.09.2020	(21) EP06788657.2
(73) Kyocera Document Solutions Inc.	(87) KR2016002583	(47) 16.09.2020
(72) Ohashi, Hiroaki	27.07.2017	(87) US2006029203
Kashimoto, Masahiro	(22) 15.03.2016	15.02.2007
(31) 2014122111	(54) WATCH TYPE TERMINAL	(22) 27.07.2006
2014234135	(73) LG Electronics Inc.	(54) FAULT DATA MANAGEMENT
(32) 13.06.2014	(72) KWON, Heeyong	(73) The Boeing Company
19.11.2014	(31) 20160007705	(72) YUKAWA, Steven, J.
	(32) 21.01.2016	ANSTEY, Tim, W.
	(33) Korea (Republic)	ECOLA, Steven, R.
	(51) G04B 37/02	ALLEN, David, L.
		(31) 199399
		(32) 08.08.2005

(33) United States of America	G06F 16/332	(11) EP3293608
(51) G05B 23/02	(11) EP3455721	(21) EP17196184.0
(11) EP3241084	(21) EP17725447.1	(47) 16.09.2020
(21) EP15826061.2	(47) 16.09.2020	(22) 17.10.2016
(47) 16.09.2020	(87) US2017032263	(54) QUICK RELEASE DOCK SYSTEM AND METHOD
(87) IB2015060024	16.11.2017	(73) Hand Held Products, Inc.
07.07.2016	(22) 11.05.2017	(72) CHAMBERLIN, James
(22) 29.12.2015	(54) MEDIA TRANSFER AMONG MEDIA OUTPUT DEVICES	(72) BERNHARDT, Keith L.
(54) METHOD FOR IDENTIFYING A SEQUENCE OF EVENTS ASSOCIATED WITH A CONDITION IN A PROCESS PLANT	(73) Google LLC	(31) 201514886509
(73) ABB Schweiz AG	(72) SHAH, Raunaq	(32) 19.10.2015
(72) GUGALIYA, Jinendra	VAN DER STAAY, Matt	(33) United States of America
BHUTANI, Naveen	(31) 201662336569 P	(51) G06F 1/16
GHOSH, Kaushik	201662336565 P	H04M 1/02
KUBAL, Nandkishor	201662336551 P	H04M 1/03
KARIWALA, Vinay	201662336566 P	(11) EP3525430
WIESE, Wilhelm	201715592126	(21) EP18209186.8
(31) 6652CH2014	201715592120	(47) 16.09.2020
(32) 29.12.2014	201715592128	(22) 29.11.2018
(33) India	(32) 13.05.2016	(54) MOBILE TERMINAL
(51) G05D 1/00	13.05.2016	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
B60W 30/09	13.05.2016	(72) FAN, Xiaoyu
B60W 50/10	10.05.2017	ZHANG, Zhengshan
B60W 50/12	10.05.2017	(31) 201820235056 U
(11) EP3072766	(33) United States of America	(32) 09.02.2018
(21) EP16161977.0	United States of America	(33) China
(47) 16.09.2020	United States of America	(51) G06F 1/16
(22) 23.03.2016	United States of America	H05K 5/00
(54) AUTONOMOUS DRIVING DEVICE	United States of America	H05K 5/02
(73) Toyota Jidosha Kabushiki Kaisha	United States of America	(11) EP3422139
(72) SUGAIWA, Taisuke	United States of America	(21) EP16891719.3
URANO, Hiromitsu	United States of America	(47) 16.09.2020
KINDO, Toshiki	(51) G06F 1/16	(87) KR2016007256
(31) 2015059186	G06F 3/01	31.08.2017
(32) 23.03.2015	G06F 3/0346	(22) 05.07.2016
(33) Japan	G06F 3/0482	(54) LAPTOP COMPUTER
(51) G05D 23/22	G06F 3/0484	(73) Gigalane Co. Ltd
H05B 1/02	G06F 3/0488	(72) KIM, Ik Soo
H05B 3/14	(11) EP2950195	KIM, Byung Yeol
H05B 3/34	(21) EP15164388.9	KIM, Sang Pil
H05B 3/56	(47) 16.09.2020	JO, Byung Hoon
(11) EP3468300	(22) 21.04.2015	LEE, Da Yeon
(21) EP18730208.8	(54) MOBILE TERMINAL AND SELECTION PROCESSING METHOD	KOO, Hwang Sub
(47) 16.09.2020	(73) Kyocera Document Solutions Inc.	KIM, Hyun Je
(87) KR2018002895	(72) Tsuji, Takuya	JUNG, Hee Seok
14.02.2019	(31) 2014112594	(31) 20160022970
(22) 12.03.2018	(32) 30.05.2014	(32) 26.02.2016
(54) HEATING UNIT AND HEATING MODULE COMPRISING SAME	(33) Japan	(33) Korea (Republic)
(73) SH Tech Co., Ltd.	(51) G06F 1/16	(51) G06F 1/20
(72) SEONG, So Hui	H01R 13/52	G06F 9/50
(31) 20170102654	H04B 1/3888	(11) EP3542240
20180026471	(11) EP3175315	(21) EP17797479.7
(32) 11.08.2017	(21) EP14898674.8	(47) 16.09.2020
06.03.2018	(47) 16.09.2020	(87) US2017056620
(33) Korea (Republic)	(87) US2014048511	24.05.2018
Korea (Republic)	04.02.2016	(22) 13.10.2017
(51) G06F 1/16	(22) 28.07.2014	(54) CIRCUITS AND METHODS PROVIDING THREAD ASSIGNMENT FOR A MULTI-CORE PROCESSOR
G06F 1/18	(54) PROTECTIVE JACKET FOR A DEVICE	(73) Qualcomm Incorporated
G06F 3/16	(73) Hewlett-Packard Development Company, L.P.	(72) SAEIDI, Mehdi
G10L 15/22	(72) WIDIAMAN, Rudy	SAHU, Vivek
H04L 29/06	ALI-NAPO, Carla	KHADIVI, Taravat
G06F 3/033	LALINDE, Paul Roberto	COUTTS, Ryan
G06F 3/0362	(51) G06F 1/16	ALTON, Ronald
G06F 3/0488	H02J 7/00	JAIN, Palkesh
G06F 16/24	H04M 1/04	MITTAL, Rajat

(31) 201662423805 P 201615373067	(21) EP17192826.0 (47) 16.09.2020	Japan
(32) 18.11.2016 08.12.2016	(22) 25.09.2017 (54) HAPTIC SURROUND FUNCTIONALITY	(51) G06F 3/01 G06F 3/042
(33) United States of America United States of America	(73) Immersion Corporation (72) HEUBEL, Robert	(11) EP2957994 (21) EP15172792.2 (47) 16.09.2020
(51) G06F 1/20 H05K 7/20	(31) 201615372678 (32) 08.12.2016	(22) 18.06.2015 (54) OPTICAL INPUT DEVICE
(11) EP3072374 (21) EP14864561.7 (47) 16.09.2020	(33) United States of America (51) G06F 3/01 A63F 13/211 A63F 13/26 A63F 13/428 A63F 13/5255	(73) Funai Electric Co., Ltd. (72) NISHIOKA, Ken (31) 2014126966 (32) 20.06.2014 (33) Japan
(87) US2014066813 28.05.2015	(11) EP2497551 (21) EP12156630.1 (47) 16.09.2020	(51) G06F 3/01 G06F 3/0481 G06F 3/0484
(22) 21.11.2014 (54) SCALABLE LIQUID SUBMERSION COOLING SYSTEM	(73) Liquidcool Solutions, Inc. (72) SHAFER, Steve ARCHER, Sean ROE, David, Alan TUFTY, Lyle, R.	(11) EP3384366 (21) EP16828853.8 (47) 16.09.2020 (87) US2016068542 19.10.2017
(31) 201361907583 P (32) 22.11.2013	(54) Information processing program, information processing apparatus, information processing system, and information processing method	(22) 23.12.2016 (54) METHODS AND APPARATUS TO NAVIGATE WITHIN VIRTUAL-REALITY ENVIRONMENTS
(33) United States of America (51) G06F 1/26 G06F 1/32	(73) Nintendo Co., Ltd. (72) Hayashi, Yugo Sumaki, Kazuya Ohta, Keizo Ito, Jun	(73) Google LLC (72) JAGNOW, Robert Carl TILTON, Robbie (31) 201615097920 (32) 13.04.2016 (33) United States of America
(11) EP3477425 (21) EP18151438.1 (47) 16.09.2020	(31) 2011050039 2011083453 2011083454 2011083455 2011083456 2011115402 2011115403 2011115404 2011118901 2011118902 2011123644 2011123645 2011123646 2011225538	(51) G06F 3/01 G09B 9/00 G06T 7/20 (11) EP2876624 (21) EP14191148.7 (47) 16.09.2020 (22) 30.10.2014 (54) Maintenance assistant system (73) Honeywell International Inc. (72) Conner, Kevin J. Mathan, Santosh
(22) 12.01.2018 (54) COMPUTER SYSTEM, CLIENT DEVICE AND DISPLAY DEVICE	(72) Chen, Angel Schweinfert, Johann Maier, Andreas	(22) 30.10.2014 (54) Maintenance assistant system (73) Honeywell International Inc. (72) Conner, Kevin J. Mathan, Santosh
(73) Fujitsu Client Computing Limited (72) Chen, Angel Schweinfert, Johann Maier, Andreas	(31) 102017125284 (32) 27.10.2017 (33) Germany	(31) 201314090106 (32) 26.11.2013 (33) United States of America
(51) G06F 1/26 G06F 11/30 G06F 11/34 G06F 1/3203 G06F 1/324	(32) 08.03.2011 05.04.2011 05.04.2011 05.04.2011 05.04.2011 24.05.2011 24.05.2011 24.05.2011 27.05.2011 27.05.2011 01.06.2011 01.06.2011 01.06.2011 13.10.2011	(51) G06F 3/01 H04N 9/31 G06F 3/0481 H04N 13/20 H04N 13/207 H04N 13/349 H04N 13/363 H04N 13/366 G02B 30/56 (11) EP2800998 (21) EP12864502.5 (47) 16.09.2020 (87) CN2012086885 11.07.2013 (22) 18.12.2012 (54) THREE DIMENSIONAL DISPLAY SYSTEM
(11) EP2608042 (21) EP12195833.4 (47) 16.09.2020 (22) 06.12.2012	(54) Method for estimating power consumption of a virtual machine and corresponding apparatus and recording medium	(22) 18.12.2012 (54) THREE DIMENSIONAL DISPLAY SYSTEM
(73) FUJITSU LIMITED (72) Kato, Miho Suzuki, Hiroyuki Kitayama, Tsubasa Kurobane, Norio	(33) Japan Japan Japan Japan Japan Japan Japan Japan Japan	(73) Kong, Liang (72) Kong, Liang (31) 201200012 201211542 (32) 03.01.2012 29.06.2012
(31) 2011280551 (32) 21.12.2011	Japan Japan Japan Japan Japan Japan Japan Japan	
(33) Japan (51) G06F 3/01 A63F 13/211 A63F 13/212 A63F 13/213 A63F 13/25 A63F 13/285 A63F 13/5255	Japan Japan Japan Japan Japan Japan Japan Japan	
(11) EP3333672	Japan	

(33) United Kingdom United Kingdom	(47) 16.09.2020 (22) 25.07.2018	TOUCH INPUT TO DISPLAY OUTPUT RELATIONSHIPS
(51) G06F 3/02 H04B 1/034 H04B 1/18 H04R 3/00 H04W 48/04 H04W 84/12 H04W 84/18 H04W 4/02 H04W 4/80 H04W 76/14	(54) METHOD AND APPARATUS FOR RESPONDING TO TOUCH OPERATION, STORAGE MEDIUM AND TERMINAL (73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. (72) ZHANG, Qiang GUO, Mingqiang HAN, Tong WANG, Hao SHI, Rendong	(73) Apple Inc. (72) Bernstein, Jeffrey Traer Missig, Julian Westerman, Wayne C. Cieplinski, Avi E. Hart, David J. Victor, B. Michael Strongwater, Daniel Max Bauerly, Kristi E.S.
(11) EP3425809 (21) EP18178562.7 (47) 16.09.2020 (22) 08.05.2014	(31) 201710632515 (32) 28.07.2017 (33) China	(31) 201261747278 P 201361778363 P (32) 29.12.2012 12.03.2013 (33) United States of America United States of America
(54) DRIVER IDENTIFICATION AND DATA COLLECTION SYSTEMS FOR USE WITH MOBILE COMMUNICATION DEVICES IN VEHICLES (73) Cellcontrol, Inc. (72) GUBA, Robert, W. BREAUX, Joseph, E., III KENNEDY, Chad, A. (31) 201361821019 P 201361892406 P 201461936152 P (32) 08.05.2013 17.10.2013 05.02.2014 (33) United States of America United States of America United States of America	(51) G06F 3/041 G06F 3/043 G06K 9/00 H04W 52/02 G06F 1/3234 (11) EP3066545 (21) EP14797000.8 (47) 16.09.2020 (87) US2014063663 07.05.2015 (22) 03.11.2014 (54) PIEZOELECTRIC FORCE SENSING ARRAY (73) Qualcomm Incorporated (72) KITCHENS, Jack C. SCHNEIDER, John K. GOJEVIC, Stephen M. (31) 201314071320 (32) 04.11.2013 (33) United States of America	(51) G06F 3/044 (11) EP3376353 (21) EP16808548.8 (47) 16.09.2020 (87) CN2016087688 18.05.2017 (22) 29.06.2016 (54) DISPLAY DEVICE HAVING FORCE TOUCH FUNCTION AND DRIVING METHOD (73) BOE Technology Group Co., Ltd. Beijing BOE Optoelectronics Technology Co., Ltd. (72) LI, Changfeng YANG, Shengji CHEN, Xiaochuan WANG, Haisheng DING, Xiaoliang LIU, Yingming LIU, Wei ZHAO, Weijie WANG, Pengpeng WANG, Lei LU, Pengcheng (31) 201510758107 (32) 09.11.2015 (33) China
(51) G06F 3/03 G06F 3/041 (11) EP2638452 (21) EP11840170.2 (47) 16.09.2020 (87) US2011058855 18.05.2012 (22) 01.11.2011 (54) RESOLVING MERGED TOUCH CONTACTS (73) Microsoft Technology Licensing, LLC (72) BENKO, Hrvoje WILSON, Andrew (31) 941693 (32) 08.11.2010 (33) United States of America	(51) G06F 3/041 G06F 3/044 G09G 3/36 (11) EP3208701 (21) EP15763181.3 (47) 16.09.2020 (87) CN2015075221 21.04.2016 (22) 27.03.2015 (54) IN-CELL TOUCHSCREEN AND DISPLAY APPARATUS (73) BOE Technology Group Co., Ltd. (72) ZHAO, Jiayang HUANG, Yinglong (31) 201410540073 (32) 13.10.2014 (33) China	(51) G06F 3/0481 (11) EP3217267 (21) EP17154440.6 (47) 16.09.2020 (22) 02.02.2017 (54) SYSTEMS AND METHODS FOR PRESENTING CONTENT (73) Facebook, Inc. (72) Hsu, Joyce Sutton, Charles Matthew Rovira, Jaime Leonardo Hu, Anning Gupta, Chetan Parag Warren, Cliff (31) 201615063423 PCT/US2016/068694 (32) 07.03.2016 27.12.2016 (33) United States of America World Intellectual Property Office (WIPO)
(51) G06F 3/0354 G06F 3/038 (11) EP3059665 (21) EP16156468.7 (47) 16.09.2020 (22) 19.02.2016 (54) POSITION POINTER, SIGNAL PROCESSING CIRCUIT, SIGNAL SUPPLY CONTROLLING METHOD AND SIGNAL PROCESSING METHOD (73) Wacom Co., Ltd. (72) Munakata, Hiroshi Sugiyama, Yoshihisa (31) 2015031811 (32) 20.02.2015 (33) Japan	(51) G06F 3/041 H04N 1/00 G06F 3/0481 G06F 3/0482 G06F 3/0484 G06F 3/0485 G06F 3/0488 (11) EP3435220 (21) EP18194127.9 (47) 16.09.2020 (22) 11.11.2013 (54) DEVICE, METHOD AND GRAPHICAL USER INTERFACE FOR TRANSITIONING BETWEEN	(51) G06F 3/0485 G06F 3/0488 (11) EP2987069 (21) EP13770539.8

(47) 16.09.2020	(33) United States of America	(33) United States of America
(87) US2013058665 23.10.2014	United States of America	(51) G06F 7/58
(22) 09.09.2013	United States of America	(11) EP3413188
(54) DETECTION OF PAN AND SCALING DURING MULTI-FINGER TOUCH INTERACTIONS	(51) G06F 3/06	(21) EP17174513.6
(73) Microsoft Technology Licensing, LLC	G06F 13/16	(47) 16.09.2020
(72) POLLOCK, Nathan	(11) EP3285159	(22) 06.06.2017
GUST, Lauren	(21) EP16810963.5	(54) METHOD FOR OPTIMAL LAYOUT OF A RANDOM NUMBER GENERATOR
BATRICEVIC, Uros	(47) 16.09.2020	(73) Siemens Aktiengesellschaft
(31) 201313862489	(87) CN2016085501	(72) Matschnig, Martin
(32) 15.04.2013	22.12.2016	Hinterstoisser, Thomas
(33) United States of America	(22) 12.06.2016	Taucher, Herbert
(51) G06F 3/06	(54) ACCESS METHOD AND DEVICE FOR RANDOM ACCESS MEMORIES, CONTROL CHIP AND STORAGE MEDIUM	(51) G06F 8/34
G06F 12/00	(73) Sanechips Technology Co., Ltd.	(11) EP3005089
G06F 12/04	(72) ZHANG, Meng	(21) EP14734993.0
G06F 12/08	(31) 201510336814	(47) 16.09.2020
G06F 12/0804	(32) 17.06.2015	(87) US2014039574
G06F 12/0864	(33) China	04.12.2014
G06F 12/0868	(51) G06F 3/14	(22) 27.05.2014
G06F 12/0871	(11) EP3324285	(54) RESOLUTION OF TEXTUAL CODE IN A GRAPHICAL HIERARCHICAL MODEL OF A TECHNICAL COMPUTING ENVIRONMENT
G06F 12/0895	(21) EP17202321.0	(73) The MathWorks, Inc.
G06F 12/12	(47) 16.09.2020	(72) AVADHANULA, Srinath
G06F 12/126	(22) 17.11.2017	MOSTERMAN, Pieter J.
G06F 9/34	(54) DISPLAY APPARATUS	KHOO, Yit Phang
G06F 16/27	(73) LG Electronics Inc.	DIRNER, John P.
(11) EP3392762	(72) KANG, Moonsoo	BALASUBRAMANIAN, Krishna
(21) EP16875552.8	JUNG, Wooyoung	MESTCHIAN, Ebrahim
(47) 16.09.2020	KIM, Bongseok	(31) 201361827863 P
(87) JP2016086736	KIM, Wontae	201414285980
22.06.2017	(31) 20160153487	201414285991
(22) 09.12.2016	(32) 17.11.2016	201414286017
(54) STORE MERGE DEVICE, INFORMATION PROCESSING DEVICE, STORE CONTROL METHOD, AND RECORDING MEDIUM FOR RECORDING COMPUTER PROGRAM	(33) Korea (Republic)	201414286023
(73) NEC Platforms, Ltd.	(51) G06F 3/14	201414286028
(72) OSADA Takashi	G06F 3/147	201414286035
(31) 2015243209	G06F 3/0488	(32) 28.05.2013
(32) 14.12.2015	G16H 40/63	23.05.2014
(33) Japan	(11) EP3271845	23.05.2014
(51) G06F 3/06	(21) EP16711701.9	23.05.2014
G06F 12/02	(47) 16.09.2020	23.05.2014
G06F 16/17	(87) JP2016001305	23.05.2014
G06F 16/23	22.09.2016	23.05.2014
(11) EP3118745	(22) 09.03.2016	23.05.2014
(21) EP16172142.8	(54) INPUT UNIT, PATIENT MONITOR AND PATIENT MONITORING SYSTEM	(33) United States of America
(47) 16.09.2020	(73) Nihon Kohden Corporation	United States of America
(22) 31.05.2016	(72) SUGAWARA, Hironori	United States of America
(54) A HEURISTIC INTERFACE FOR ENABLING A COMPUTER DEVICE TO UTILIZE DATA PROPERTY- BASED DATA PLACEMENT INSIDE A NONVOLATILE MEMORY DEVICE	KUBO, Hiroshi	United States of America
(73) Samsung Electronics Co., Ltd.	(31) 2015054377	United States of America
(72) HUO, Jianjian	(32) 18.03.2015	United States of America
CHOI, Changho	(33) Japan	(51) G06F 9/00
TSENG, Derrick	(51) G06F 7/04	H02M 1/08
KRISHNAMOORTHY, Praveen	H04L 29/06	H03K 17/082
HUEN, Hingkwon	G06F 21/62	H03K 17/18
(31) 201562192045 P	(11) EP2491487	(11) EP2815306
201562245100 P	(21) EP10825422.8	(21) EP13748730.2
201615090799	(47) 16.09.2020	(47) 16.09.2020
(32) 13.07.2015	(87) US2010052372	(87) US2013026325
22.10.2015	28.04.2011	22.08.2013
05.04.2016	(22) 12.10.2010	(22) 15.02.2013
	(54) DATA LOSS DETECTION METHOD FOR HANDLING FUZZINESS IN SENSITIVE KEYWORDS	(54) PROGRAMMABLE GATE CONTROLLER SYSTEM AND METHOD
	(73) CA, Inc.	(73) GE Hybrid Technologies, LLC
	(72) PANWAR, Vikas	(72) ARNET, Beat
	(31) 603465	(31) 201213385403
	(32) 21.10.2009	(32) 17.02.2012
		(33) United States of America

(51) G06F 9/30	JIN, Xing	BISHNOI, Sandeep
(11) EP2948844	XIAO, Bin	PARK, Hoyong
(21) EP14743896.4	GUO, Zhimao	DESHMUKH, Unmesh Anil
(47) 16.09.2020	XUE, Wei	(31) 201562244452 P
(87) IB2014058088	CHEN, Bo	201615095766
31.07.2014	LI, Yong	(32) 21.10.2015
(22) 07.01.2014	XIAO, Lei	11.04.2016
(54) VECTOR GALOIS FIELD MULTIPLY SUM AND ACCUMULATE INSTRUCTION	(31) 201410281130	(33) United States of America
(73) International Business Machines Corporation	(32) 20.06.2014	United States of America
(72) BRADBURY, Jonathan, David	(33) China	<hr/>
(31) 201313748510	(51) G06F 9/50	(51) G06F 11/00
(32) 23.01.2013	(11) EP3138004	G06K 7/10
(33) United States of America	(21) EP15721974.2	(11) EP3365833
<hr/>	(47) 16.09.2020	(21) EP16787378.5
(51) G06F 9/4401	(87) US2015028414	(47) 16.09.2020
G06F 1/3293	05.11.2015	(87) EP2016075165
G06F 1/3296	(22) 30.04.2015	27.04.2017
(11) EP3428775	(54) DIMENSION BASED LOAD BALANCING	(22) 20.10.2016
(21) EP16897769.2	(73) Microsoft Technology Licensing, LLC	(54) A METHOD PERFORMED BY AN
(47) 16.09.2020	(72) SKJOLSVOLD, Arild, E.	ELECTRONIC DEVICE CAPABLE OF
(87) CN2016108852	Ji, Xinhua	COMMUNICATING WITH A READER
12.10.2017	WANG, Ju	WITH IMPROVED SELF-TESTING
(22) 07.12.2016	CALDER, Bradley, Gene	(73) Idemia America Corp.
(54) METHOD AND TERMINAL FOR DETERMINING TERMINAL PROCESSOR VOLTAGE	HARRIS III, Ralph, Burton	(72) GOYET, Christophe
(73) Huawei Technologies Co., Ltd.	SONG, Hosung	(31) 201514921683
(72) TSAO, Youming	(31) 201414267659	(32) 23.10.2015
YU, Jianfeng	201414305987	(33) United States of America
YAO, Cong	(32) 01.05.2014	<hr/>
(31) 201610210836	16.06.2014	(51) G06F 11/07
(32) 06.04.2016	(33) United States of America	G06F 11/30
(33) China	United States of America	H04L 12/26
<hr/>	<hr/>	(11) EP3243136
(51) G06F 9/48	(51) G06F 9/50	(21) EP16702602.0
G06F 9/50	G06F 9/54	(47) 16.09.2020
(11) EP3267311	H04L 12/58	(87) US2016012250
(21) EP17180318.2	H04L 29/08	14.07.2016
(47) 16.09.2020	(11) EP2826212	(22) 06.01.2016
(22) 07.07.2017	(21) EP13760728.9	(54) DYNAMIC TELEMETRY MESSAGE
(54) SYSTEM, CONTROLLER, METHOD, AND PROGRAM FOR EXECUTING SIMULATION JOBS	(47) 16.09.2020	PROFILING AND ADJUSTMENT
(73) Fujitsu Limited	(87) US2013027833	(73) Microsoft Technology Licensing, LLC
(72) Enright, Jim	19.09.2013	(72) WU, Yi-Lei
(31) 102016212540	(22) 27.02.2013	BORZELLO, Eric M.
201611947	(54) HIGH DENSITY HOSTING FOR	GUREVICH, Peter, A.
(32) 08.07.2016	MESSAGING SERVICE	(31) 201514593869
08.07.2016	(73) Microsoft Technology Licensing, LLC	(32) 09.01.2015
(33) Germany	(72) PARAMASIVAM, Kartik	(33) United States of America
United Kingdom	JIN, Sung Hwa	<hr/>
<hr/>	SRIVASTAVA, Manu	(51) G06F 11/10
(51) G06F 9/48	KRISHNAPRASAD, Muralidhar	G11C 16/02
G06T 1/20	KOCH, Ruppert Rolf	G11C 16/34
(11) EP3158529	RAVIPATI, Venkata Raja Gopal	G11C 29/42
(21) EP15810386.1	LI, Bin	(11) EP2973588
(47) 16.09.2020	(31) 201213419435	(21) EP14769447.5
(87) CN2015081964	(32) 14.03.2012	(47) 16.09.2020
23.12.2015	(33) United States of America	(87) US2014027546
(22) 19.06.2015	<hr/>	25.09.2014
(54) MODEL PARALLEL PROCESSING METHOD AND APPARATUS BASED ON MULTIPLE GRAPHIC PROCESSING UNITS	(51) G06F 9/54	(22) 14.03.2014
(73) Tencent Technology (Shenzhen) Company Limited	G06F 16/2455	(54) ERROR CORRECTION OPERATIONS
(72) ZOU, Yongqiang	G06F 16/9535	IN A MEMORY DEVICE
LI, Yi	(11) EP3365781	(73) Micron Technology, Inc.
	(21) EP16794796.9	(72) LAM, William
	(47) 16.09.2020	(31) 201361788906 P
	(87) US2016057924	201414189375
	27.04.2017	(32) 15.03.2013
	(22) 20.10.2016	25.02.2014
	(54) GUARANTEEING THE EVENT ORDER FOR MULTI-STAGE PROCESSING IN DISTRIBUTED SYSTEMS	(33) United States of America
	(73) Oracle International Corporation	United States of America
	(72) THUKKARAM, Prabhu	<hr/>
		(51) G06F 11/10
		H04L 9/00
		(11) EP3502899
		(21) EP18208305.5

(47) 16.09.2020	(22) 24.12.2015	(51) G06F 13/28
(22) 26.11.2018	(54) READ CACHE MANAGEMENT	G06F 13/42
(54) METHOD FOR DETERMINING	METHOD AND DEVICE BASED ON	G06F 12/08
A CHECKSUM, AND RELATED	SOLID STATE DRIVE	(11) EP3352087
COMPUTER PROGRAM AND	(73) Huawei Technologies Co. Ltd.	(21) EP16897476.4
ELECTRONIC ENTITY	(72) CHAI, Yunpeng	(47) 16.09.2020
(73) IDEMIA France	SUN, Dongwang	(87) CN2016108600
(72) BETTALE, Luk	(31) 201410844432	14.06.2018
DEBANDE, Nicolas	(32) 30.12.2014	(22) 05.12.2016
GREUJET, Aurélien	(33) China	(54) CONTROL METHOD FOR DATA READ/
(31) 1762965	(51) G06F 12/0886	WRITE COMMAND IN NVME OVER
(32) 22.12.2017	G06F 12/0897	FABRIC FRAMEWORK, DEVICE AND
(33) France	G06F 12/1009	SYSTEM
(51) G06F 11/14	(11) EP3278229	(73) HUAWEI TECHNOLOGIES CO., LTD.
H04L 9/08	(21) EP16895741.3	(72) GISSIN, Victor
H04L 9/32	(47) 16.09.2020	QIU, Xin
H04L 29/06	(87) US2016030082	WU, Pei
G06F 21/62	02.11.2017	QU, Huichun
G06F 21/64	(22) 29.04.2016	ZHANG, Jinbin
(11) EP3494662	(54) COMPRESSED PAGES HAVING DATA	(51) G06F 15/16
(21) EP17745353.7	AND COMPRESSION METADATA	G06Q 30/00
(47) 16.09.2020	(73) Hewlett Packard Enterprise Development	(11) EP2143003
(87) EP2017069286	LP	(21) EP08746977.1
08.02.2018	(72) IYER, Shankar	(47) 16.09.2020
(22) 31.07.2017	MURTHY, Srinivasa D	(87) US2008061686
(54) METHOD FOR STORING DATA	NAZARI, Siamak	06.11.2008
BLOCKS FROM CLIENT DEVICES TO A	SADE, Gilad	(22) 25.04.2008
CLOUD STORAGE SYSTEM	(51) G06F 13/10	(54) COUPON COPY PROTECTION
(73) ABB Schweiz AG	G06F 9/4401	(73) Quotient Technology Inc.
(72) SCHNEIDER, Johannes	(11) EP2997463	(72) KESWANI, Ravi Kant
HARVAN, Matus	(21) EP13773497.6	MUTHUGOPALAKRISHNAN, Manicka
OBERMEIER, Sebastian	(47) 16.09.2020	GUAN, Qingcai
LOCHER, Thomas	(87) US2013060996	WEITZMAN, Jeffrey
PIGNOLET, Yvonne-Anne	20.11.2014	(31) 914653 P
(31) 16182643	(22) 20.09.2013	(32) 27.04.2007
(32) 03.08.2016	(54) EXTRACTION OF OPERATING	(33) United States of America
(33) European Patent Office (EPO)	SYSTEM-SPECIFIC	(51) G06F 16/00
(51) G06F 11/36	CHARACTERISTICS VIA A	(11) EP3376407
H04L 1/24	COMMUNICATION INTERFACE	(21) EP17161140.3
G06F 21/57	(73) Microsoft Technology Licensing, LLC	(47) 16.09.2020
G06F 21/62	(72) BORVE, Martin Richard	(22) 15.03.2017
(11) EP3040897	KEATING, Andrea A.	(54) EFFICIENT USE OF TRIE DATA
(21) EP15202921.1	FROESE, Philip Albert	STRUCTURE IN DATABASES
(47) 16.09.2020	AULL, Randall	(73) censhare AG
(22) 29.12.2015	BHESANIA, Firdosh K.	(72) BAUER, Walter
(54) SYNTHETIC DATA GENERATION	YAKUB, Eliyas	(51) G06F 16/00
METHOD	HARRIS, Robert, JR.	G06F 16/248
(73) Deutsche Telekom AG	GUPTA, Vivek	G06F 16/903
(72) BAR, Ariel	(31) 201313896195	G06F 16/907
CHIZI, Barak	(32) 16.05.2013	(11) EP3163475
MIMRAN, Dudu	(33) United States of America	(21) EP16191448.6
ROKACH, Lior	(51) G06F 13/20	(47) 16.09.2020
SHAPIRA, Bracha	H04L 29/06	(22) 29.09.2016
GROTHER, Andreas	H04L 12/841	(54) ELECTRONIC DEVICE AND METHOD
SWAMINATHAN, Rahul	H04L 12/875	OF SEARCHING DATA RECORDS
(31) 23655615	H04L 12/931	(73) BlackBerry Limited
(32) 01.01.2015	(11) EP3474496	(72) BRUCK, James Arthur
(33) Israel	(21) EP16910548.3	FERGUSON, Geordon Thomas
(51) G06F 12/06	(47) 16.09.2020	QI, Song Tao
G06F 12/0868	(87) JP2016072213	JUDGE, Francis Patrick
G06F 12/0871	01.02.2018	COLLINS, Cora Lynne
G06F 12/123	(22) 28.07.2016	(31) 201514924534
G06F 12/127	(54) TRANSFER DEVICE AND FRAME	(32) 27.10.2015
(11) EP3229142	TRANSFER METHOD	(33) United States of America
(21) EP15875163.6	(73) Mitsubishi Electric Corporation	(51) G06F 16/00
(47) 16.09.2020	(72) INOUE, Ayako	G06F 16/27
(87) CN2015098670	TANIGUCHI, Sachiko	(11) EP2988220
07.07.2016	GOTO, Yuji	(21) EP13882090.7

(47) 16.09.2020	(11) EP3105688	(47) 16.09.2020
(87) JP2013061257	(21) EP15748685.3	(22) 11.01.2017
23.10.2014	(47) 16.09.2020	(54) METHOD AND SYSTEM FOR
(22) 16.04.2013	(87) IB2015051037	AUTHENTICATING A MOBILE
(54) COMPUTER SYSTEM, COMPUTER-	20.08.2015	TELECOMMUNICATION TERMINAL
SYSTEM MANAGEMENT METHOD,	(22) 11.02.2015	ON A SERVICE COMPUTER SYSTEM
AND PROGRAM	(54) SYSTEM FOR SYNCHRONIZATION OF	AND MOBILE TELECOMMUNICATION
(73) Hitachi, Ltd.	CHANGES IN EDITED WEBSITES AND	TERMINAL
(72) HASEGAWA, Toshiyuki	INTERACTIVE APPLICATIONS	(73) Bundesdruckerei GmbH
YAMAMOTO, Nobuyuki	(73) Wix.com Ltd.	(72) MATEJEK, Ulrich
(51) G06F 16/174	(72) GOLDSTEIN, Yuval	(31) 102016202262
G06F 16/51	KAUFMAN, Amit	(32) 15.02.2016
(11) EP2888819	HOLLANDER, Oren	(33) Germany
(21) EP13831701.1	(31) 201461938166 P	(51) G06F 21/44
(47) 16.09.2020	(32) 11.02.2014	(11) EP2782037
(87) US2013048841	(33) United States of America	(21) EP14156718.0
27.02.2014	(51) G06F 16/40	(47) 16.09.2020
(22) 30.06.2013	G06F 16/783	(22) 26.02.2014
(54) FORMAT IDENTIFICATION FOR	(11) EP3241126	(54) Method and apparatus for performing
FRAGMENTED IMAGE DATA	(21) EP15823225.6	authentication between applications
(73) EMC Corporation	(47) 16.09.2020	(73) Samsung Electronics Co., Ltd.
(72) CHARIKAR, Moses	(87) US2015064541	(72) Um, Tae-kwang
RAMAKRISHNA, Deepa	07.07.2016	Park, Sun-Eung
(31) 201261691737 P	(22) 08.12.2015	Seo, Jin-goo
201261691740 P	(54) METADATA MANAGEMENT FOR	Yang, Do-jun
(32) 21.08.2012	CONTENT DELIVERY	Hwang, Cheol-ju
21.08.2012	(73) OpenTV, Inc.	(31) 20130028822
(33) United States of America	(72) TEIXEIRA, John Michael	(32) 18.03.2013
United States of America	DOERRING, Nicholas Daniel	(33) Korea (Republic)
(51) G06F 16/21	STAUNTON-LAMBERT, Kevin	(51) G06F 21/44
G06F 16/22	SZYMANSKI, Steven J.	G06F 21/62
G06F 16/28	(31) 201414588224	G06F 21/73
(11) EP3023893	(32) 31.12.2014	(11) EP3410333
(21) EP15195884.0	(33) United States of America	(21) EP18170552.6
(47) 16.09.2020	(51) G06F 16/54	(47) 16.09.2020
(22) 23.11.2015	(11) EP2959406	(22) 03.05.2018
(54) A RELATIONAL DATABASE, A	(21) EP14706185.7	(54) METHOD FOR SECURE
DATABASE SERVER COMPRISING	(47) 16.09.2020	COMMUNICATIONS WITH A FIELD
SUCH A DATABASE, A DATABASE	(87) US2014014763	MEASURING INSTRUMENT USED
MANAGEMENT SYSTEM AS WELL	28.08.2014	FOR PROCESS TECHNOLOGY AND
AS A METHOD OF STORING,	(22) 05.02.2014	CORRESPONDING FIELD MEASURING
RETRIEVING, ALTERING AND	(54) AUTOMATIC IMAGE RECTIFICATION	INSTRUMENT USED FOR PROCESS
MANAGING DATA IN SUCH A	FOR VISUAL SEARCH	TECHNOLOGY
DATABASE	(73) Qualcomm Incorporated	(73) Krohne Messtechnik GmbH
(73) TDF Group B.V.	(72) WAGNER, Daniel	(72) Brockhaus, Helmut
(72) PELZER, Alexander Augustinus Maria	PAN, Qi	(31) 102017111939
BECKERS, Peter Fransiscus Hendrik	(31) 201313772640	(32) 31.05.2017
(31) 2013868	(32) 21.02.2013	(33) Germany
(32) 24.11.2014	(33) United States of America	(51) G06F 21/55
(33) Netherlands	(51) G06F 21/31	G06F 21/57
(51) G06F 16/23	G06F 21/62	G06F 21/85
(11) EP3335164	(11) EP3249566	G06F 9/4401
(21) EP16834346.5	(21) EP16203032.4	(11) EP3074862
(47) 16.09.2020	(47) 16.09.2020	(21) EP14805534.6
(87) CA2016050901	(22) 08.12.2016	(47) 16.09.2020
16.02.2017	(54) METHOD AND DEVICE FOR	(87) EP2014075393
(22) 29.07.2016	ENCRYPTING APPLICATION	04.06.2015
(54) MANAGEMENT OF UPGRADEABLE	(73) Beijing Xiaomi Mobile Software Co., Ltd.	(22) 24.11.2014
ENDPOINTS	(72) WU, Liangxiang	(54) METHOD FOR A SECURE BOOT-
(73) BlackBerry Limited	LIU, Haitao	UP PROCESS OF AN ELECTRONIC
(72) QUIN, Spencer Leavitt George	WANG, Guangjian	SYSTEM
PARRY, Thomas Owen	(31) PCT/CN2016/083335	(73) Siemens AG Österreich
FACH, Bradley Alfred	(32) 25.05.2016	(72) GHAMESHLU, Majid
(31) 201514824969	(33) World Intellectual Property Office (WIPO)	MATSCHNIG, Martin
(32) 12.08.2015	(51) G06F 21/35	TAUCHER, Herbert
(33) United States of America	G06F 21/44	(31) 102013224365
(51) G06F 16/23	(11) EP3319003	(32) 28.11.2013
G06F 16/958	(21) EP17201415.1	(33) Germany

(51) G06F 21/57	United States of America	YU, Ming
G06F 21/72	(51) G06K 7/00	(31) 948152
G06F 21/74	G06K 7/10	(32) 30.11.2007
(11) EP2940621	(11) EP2763075	(33) United States of America
(21) EP14187890.0	(21) EP14152874.5	(51) G06K 7/10
(47) 16.09.2020	(47) 16.09.2020	G06K 19/07
(22) 07.10.2014	(22) 28.01.2014	H04B 1/59
(54) Apparatus, system, and method for controlling encryption and decryption with respect to a key	(54) Systems and methods for RFID inspection	H04B 5/02
(73) Shirai, Tatsuhiro	(73) The Boeing Company	H04J 1/00
(72) Shirai, Tatsuhiro	(72) Mitchell, Timothy M.	(11) EP3451557
(31) 2014092865	Kumar, Anil	(21) EP17789463.1
(32) 28.04.2014	Li, Winfeng	(47) 16.09.2020
(33) Japan	Ung, Kevin Y.	(87) JP2017016192
(51) G06F 30/20	(31) 201313756220	02.11.2017
G06F 111/10	(32) 31.01.2013	(22) 24.04.2017
G06F 113/26	(33) United States of America	(54) RADIO COMMUNICATION SYSTEM
(11) EP2454694	(51) G06K 7/00	(73) Kyowa Electronic Instruments Co, Ltd
(21) EP10728694.0	G06K 7/10	(72) MITSUGI, Jin
(47) 16.09.2020	G06K 19/07	IGARASHI, Yuki
(87) EP2010059672	(11) EP2801931	ICHIKAWA, Haruhisa
20.01.2011	(21) EP14151483.6	KAWAKITA, Yuusuke
(22) 06.07.2010	(47) 16.09.2020	EGAWA, Kiyoshi
(54) METHOD FOR CREATING MECHANICAL LINKS	(22) 16.01.2014	(31) 2016086860
(73) ArianeGroup SAS	(54) RFID transmission circuitry	(32) 25.04.2016
(72) AUBERON, Marcel	(73) VeriFone, Inc.	(33) Japan
PETERMANN, Nicolas	(72) Chin, Yuan Fuat	(51) G06K 9/00
(31) 0954936	Poan, Choy Fong	G05D 1/02
(32) 16.07.2009	(31) 201313887783	(11) EP3502822
(33) France	(32) 06.05.2013	(21) EP18214365.1
(51) G06F 40/279	(33) United States of America	(47) 16.09.2020
(11) EP3443467	(51) G06K 7/00	(22) 20.12.2018
(21) EP17727049.3	H04B 1/00	(54) MOVING-ROBOT AND CONTROL METHOD FOR THE SAME
(47) 16.09.2020	H04B 7/01	(73) LG Electronics Inc.
(87) US2017033159	H04L 29/06	(72) Eoh, Gyuho
23.11.2017	H04W 12/12	Noh, Dongki
(22) 17.05.2017	H04W 72/04	Lee, Taekyeong
(54) MACHINE COMPREHENSION OF UNSTRUCTURED TEXT	(11) EP3276527	Lim, Seungwook
(73) Microsoft Technology Licensing, LLC	(21) EP17184535.7	(31) 20170177359
(72) TRISCHLER, Adam	(47) 16.09.2020	(32) 21.12.2017
BACHMAN, Philip	(22) 02.06.2015	(33) Korea (Republic)
YUAN, Xingdi	(54) ELECTROMAGNETIC THREAT DETECTION AND MITIGATION IN THE INTERNET OF THINGS	(51) G06K 9/00
YE, Zheng	(73) Bastille Networks, Inc.	G06F 3/0354
SORDONI, Alessandro	(72) Baxley, Robert, John	G06F 3/0481
(31) 201662337720 P	Rouland, Christopher, Jay	G06F 3/0482
(32) 17.05.2016	Maynor, David	G06F 3/0488
(33) United States of America	Lamb, Logan, Michael	G06F 21/32
(51) G06K 1/12	(31) 201462006605 P	G06F 9/445
G06K 5/00	201462072884 P	(11) EP3270279
G06K 7/14	(32) 02.06.2014	(21) EP15906031.8
H04N 1/00	30.10.2014	(47) 16.09.2020
(11) EP3379449	(33) United States of America	(87) CN2015091868
(21) EP18171434.6	United States of America	20.04.2017
(47) 16.09.2020	(51) G06K 7/10	(22) 13.10.2015
(22) 16.12.2015	G06K 9/00	(54) OPERATION METHOD AND APPARATUS USING FINGERPRINT IDENTIFICATION, AND MOBILE TERMINAL
(54) SYSTEM AND METHOD FOR DETECTING BARCODE PRINTING ERRORS	(11) EP2215584	(73) Huawei Technologies Co., Ltd.
(73) Hand Held Products, Inc.	(21) EP08855347.4	(72) CHEN, Jianjun
(72) ACKLEY, H. Sprague	(47) 16.09.2020	RUSEK, Fredrik
(31) 201462098174 P	(87) US2008083166	WANG, Hongjun
201514596757	04.06.2009	(51) G06K 9/00
(32) 30.12.2014	(22) 12.11.2008	G06K 9/50
14.01.2015	(54) IMAGING BAR CODE READER HAVING LIGHT EMITTING DIODE FOR GENERATING A FIELD OF VIEW	G06K 9/52
(33) United States of America	(73) Symbol Technologies, LLC	H04N 19/53
	(72) LIU, Rong	G06T 7/20
		G06T 7/207

G06T 7/223	293825 P	H01F 38/14
G06T 7/238	(32) 11.01.2002	H01Q 1/22
G06T 7/269	02.08.2001	H01Q 1/36
G06T 7/40	13.04.2001	H01Q 1/38
G06T 7/60	25.05.2001	H01Q 7/06
(11) EP3384466	(33) United States of America	H01Q 7/08
(21) EP16871722.1	United States of America	H02K 3/04
(47) 16.09.2020	United States of America	H02K 3/26
(87) US2016064982	United States of America	H04B 5/00
08.06.2017	(51) G06K 19/07	(11) EP3216082
(22) 05.12.2016	(11) EP3227835	(21) EP15816519.1
(54) QUASI-PARAMETRIC OPTICAL FLOW ESTIMATION	(21) EP15813207.6	(47) 16.09.2020
(73) Texas Instruments Incorporated	(47) 16.09.2020	(87) IB2015058607
(72) GARUD, Hrushikesh, Tukaram MATHEW, Manu	(87) US2015063526	12.05.2016
NAGORI, Soyeb, Noormohammed	09.06.2016	(22) 07.11.2015
(31) 6508CH2015	(22) 02.12.2015	(54) NON-STATIONARY MAGNETIC FIELD EMITTER
201615081118	(54) PASSIVE RFID TAGS WITH INTEGRATED CIRCUITS USING SUB-THRESHOLD TECHNOLOGY	(73) SMK Corporation
(32) 04.12.2015	(73) Sensormatic Electronics, LLC	(72) FLOREK, Miroslav
25.03.2016	(72) PATTERSON, Hubert A.	(31) 500672014
(33) India	SEQUEIRA, Melwyn F.	(32) 08.11.2014
United States of America	(31) 201462086241 P	(33) Slovakia
(51) G06K 9/00	(32) 02.12.2014	(51) G06K 19/077
G06T 7/246	(33) United States of America	H01Q 1/22
F24F 11/00	(51) G06K 19/07	H01Q 1/27
F24F 11/30	G06K 19/073	H01Q 7/00
F24F 11/77	G06K 19/077	H01Q 13/10
F24F 11/79	(11) EP2577568	(11) EP3014532
F24F 11/83	(21) EP11722090.5	(21) EP14738712.0
F24F 120/10	(47) 16.09.2020	(47) 16.09.2020
F24F 120/12	(87) EP2011058914	(87) US2014043867
F24F 1/0047	08.12.2011	31.12.2014
(11) EP3176514	(22) 31.05.2011	(22) 24.06.2014
(21) EP16197723.6	(54) Bank card with display screen	(54) ROBUST WASHABLE TAGS USING A LARGE AREA ANTENNA CONDUCTOR
(47) 16.09.2020	(73) Thales Dis France SA	(73) Avery Dennison Corporation
(22) 08.11.2016	(72) MARSEILLE, François-Xavier GRAVEZ, Pierre	(72) FORSTER, Ian, James
(54) AIR CONDITIONER AND CONTROL METHOD THEREFOR	THILL, Michel	(31) 201361838668 P
(73) LG Electronics Inc.	(31) 10305571	(32) 24.06.2013
(72) PARK, Beungyong	(32) 31.05.2010	(33) United States of America
HWANG, Sungmok	(33) European Patent Office (EPO)	(51) G06N 3/04
LEE, Juyoun	(51) G06K 19/07	H04Q 9/00
KIM, Jusu	H04W 52/02	H04W 52/02
HAM, Seaunglok	(11) EP3468260	(11) EP2688311
(31) 20150172079	(21) EP16902916.2	(21) EP13176537.2
(32) 04.12.2015	(47) 16.09.2020	(47) 16.09.2020
(33) Korea (Republic)	(87) CN2016099754	(22) 15.07.2013
(51) G06K 9/00	30.11.2017	(54) Method for processing sensor input, in particular for adjusting mobile device state based on user intentions and/or identity
H04N 5/04	(22) 22.09.2016	(73) Facebook, Inc.
H04N 5/60	(54) METHOD AND DEVICE FOR REDUCING POWER CONSUMPTION OF TERMINAL, AND SMART CARD	(72) Schillings, Benoit M. Garcia, David Harry
G10L 15/04	(73) ZTE Corporation	(31) 201213554838
G10L 17/26	(72) WU, Chuanxi	(32) 20.07.2012
G10L 21/04	(31) 201610343406	(33) United States of America
G10L 25/00	(32) 23.05.2016	(51) G06N 5/02
G10L 25/48	(33) China	G06Q 10/06
(11) EP2261892	(51) G06K 19/077	(11) EP3210171
(21) EP10183622.9	H01F 5/06	(21) EP15788531.0
(47) 16.09.2020	H01F 17/08	(47) 16.09.2020
(22) 12.02.2002	H01F 27/00	(87) US2015056188
(54) High quality time-scaling and pitch-scaling of audio signals	H01F 27/24	28.04.2016
(73) DOLBY LABORATORIES LICENSING CORPORATION	H01F 27/25	(22) 19.10.2015
(72) Crockett, Brett G.	H01F 27/26	(54) SPECIFYING AND APPLYING RULES TO DATA
(31) 45644	H01F 27/28	(73) AB Initio Technology LLC
922394	H01F 27/30	
834739	H01F 27/32	

(72) STUDER, Scott WEISMAN, Amit PHILLIMORE, David	(31) 201361799131 P 201361799986 P 201361799846 P	G16B 50/10 (11) EP3534368 (21) EP19167102.3
(31) 201462065909 P (32) 20.10.2014 (33) United States of America	201361799817 P 201361800036 P (32) 15.03.2013 15.03.2013 15.03.2013 15.03.2013	(47) 16.09.2020 (22) 07.12.2012 (54) DISTRIBUTED METHOD PROVIDING DYNAMIC INDEXING AND VISUALIZATION OF GENOMIC DATA
(51) G06N 7/00 H04W 24/02 G06N 99/00	(33) United States of America United States of America United States of America United States of America United States of America	(73) Five3 Genomics, LLC (72) VASKE, Charles Joseph SANBORN, John Zachary BENZ, Stephen
(11) EP3241379 (21) EP16737083.2 (47) 16.09.2020 (87) CN2016070866 21.07.2016 (22) 14.01.2016	(32) 15.03.2013 15.03.2013 15.03.2013 15.03.2013	(31) 201161568478 P (32) 08.12.2011 (33) United States of America
(54) ANALYTICS-ASSISTED, MULTI- AGENTS, SELF-LEARNING, SELF- MANAGING, FLEXIBLE AND ADAPTIVE FRAMEWORK FOR INTELLIGENT SON	(51) G06Q 20/32 G06Q 20/34 G06Q 20/38	(51) G06T 5/50 (11) EP3518180 (21) EP18211361.3 (47) 16.09.2020 (22) 10.12.2018
(73) Huawei Technologies Co., Ltd. (72) TAN, Yongxi YANG, Jin	(11) EP2696319 (21) EP13176023.3 (47) 16.09.2020 (22) 11.07.2013	(54) METHOD FOR PRODUCING AN IMAGE STACK DATA STRUCTURE
(31) 201562103452 P 201614994942 (32) 14.01.2015 13.01.2016 (33) United States of America United States of America	(54) Method for enabling a transaction (73) Bundesdruckerei GmbH (72) Bastian, Paul Morgner, Frank	(73) AIT Austrian Institute of Technology GmbH (72) BROSCH, Nicole STOLC, Svorad
(51) G06Q 10/06 G05D 1/02	(31) 102012214132 (32) 09.08.2012 (33) Germany	(31) 500652018 (32) 25.01.2018 (33) Austria
(11) EP2791748 (21) EP13746935.9 (47) 16.09.2020 (87) US2013025336 15.08.2013 (22) 08.02.2013	(51) G06Q 20/34 G06F 8/61 (11) EP2857964 (21) EP13796905.1 (47) 16.09.2020 (87) JP2013061254 05.12.2013 (22) 16.04.2013	(51) G06T 7/00 G06T 7/11 G06T 7/143 (11) EP3432263 (21) EP17464009.4 (47) 16.09.2020 (22) 17.07.2017
(54) JOB MANAGEMENT SYTEM FOR A FLEET OF AUTONOMOUS MOBILE ROBOTS	(22) 16.04.2013 (54) INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND PROGRAM	(54) SEMANTIC SEGMENTATION FOR CANCER DETECTION IN DIGITAL BREAST TOMOSYNTHESIS
(73) Omron Robotics and Safety Technologies, Inc. (72) VESTAL, Matthew LAFARY, Matthew STOPERA, Peter	(73) Sony Corporation (72) TAKEUCHI, Yasuo (31) 2012125209 (32) 31.05.2012 (33) Japan	(73) Siemens Healthcare GmbH (72) ITU, Lucian Mihai Dr. LAZAR, Laszlo TURCEA, Alexandru VIZITIU, Anamaria XU, Daguang
(31) 201261596685 P (32) 08.02.2012 (33) United States of America	(51) G06T 3/00 G06T 9/00 H04N 19/70 H04N 19/85 H04N 19/90	ZHOU, Shaohua Kevin Dr. STROIA, Lulian Ionut LIU, Siqi SEEGERER, Philipp PAULY, Olivier, Dr.
(51) G06Q 10/10 G06Q 50/00 H04W 4/02 H04W 4/021 H04W 4/029 H04W 4/50 G06F 16/23 G06F 16/31	(11) EP3399758 (21) EP18169543.8 (47) 16.09.2020 (22) 26.04.2018	(51) G06T 7/00 G06T 7/593 H04N 13/00 (11) EP3182369 (21) EP16201289.2 (47) 16.09.2020 (22) 30.11.2016
(11) EP2973039 (21) EP14725818.0 (47) 16.09.2020 (87) US2014029787 18.09.2014 (22) 14.03.2014	(54) METHOD AND APPARATUS TO ENCODE AND DECODE TWO- DIMENSION POINT CLOUDS (73) InterDigital VC Holdings, Inc. (72) FLEUREAU, Julien CHUPEAU, Bertrand DORE, Renaud	(54) STEREO MATCHING METHOD, CONTROLLER AND SYSTEM (73) Ricoh Company, Ltd. (72) LIU, Yuan LIU, Zhenhua LIU, Dianchao WANG, Gang SHI, Zhongchao
(54) APPARATUS, SYSTEMS, AND METHODS FOR GROUPING DATA RECORDS	(31) 17305504 (32) 04.05.2017 (33) European Patent Office (EPO)	(31) 201510937846 (32) 15.12.2015 (33) China
(73) Factual Inc. (72) Shimanovsky, Boris Lagang, Manuel Polovets, Leonid	(51) G06T 3/40 G09G 5/373 G16B 30/00 G16B 45/00	

(51) G06T 7/00 G16H 30/20 G16H 30/40 G16H 50/20	(72) KAINO, Akihiko HOMMA, Shunichi FUKUCHI, Masaki	(21) EP16205094.2 (47) 16.09.2020 (22) 19.12.2016
(11) EP3488417 (21) EP17751488.2 (47) 16.09.2020 (87) IL2017050810 25.01.2018	(31) 2016105244 (32) 26.05.2016 (33) Japan	(54) METHODS AND SYSTEMS FOR MONITORING THE INTEGRITY OF A GPU
(22) 19.07.2017 (54) A SYSTEM AND METHOD FOR AUTOMATED CHARACTERIZATION OF SOLID TUMORS USING MEDICAL IMAGING	(51) G06T 7/73 (11) EP3214604 (21) EP15853912.2 (47) 16.09.2020 (87) JP2015005332 06.05.2016	(73) Channel One Holdings Inc. (72) Viggers, Stephen Malnar, Tomislav Ramkissoon, Sherwyn R. Szober, Gregory J. Fabius, Aidan Wenger, Kenneth McCormick, John
(73) Tel Hashomer Medical Research Infrastructure and Services Ltd.	(22) 23.10.2015 (54) ORIENTATION ESTIMATION METHOD AND ORIENTATION ESTIMATION DEVICE	(31) 201562269619 P (32) 18.12.2015 (33) United States of America
(72) DADIANI, Maya MAYER, Arnaldo SKLAIR-LEVY, Miriam	(73) Panasonic Intellectual Property Management Co., Ltd.	(51) G06T 15/04 (11) EP3319046 (21) EP17178573.6 (47) 16.09.2020 (22) 29.06.2017
(31) 201662364392 P (32) 20.07.2016 (33) United States of America	(72) KAWAGUCHI, Kyoko SEKII, Taiki	(54) TEXTURE PROCESSING METHOD AND UNIT
(51) G06T 7/30 (11) EP3461296 (21) EP18705576.9 (47) 16.09.2020 (87) EP2018053100 30.08.2018	(31) 2014221072 (32) 30.10.2014 (33) Japan	(73) Samsung Electronics Co., Ltd (72) JEONG, Seong-hun (31) 20160145215 (32) 02.11.2016 (33) Korea (Republic)
(22) 07.02.2018 (54) MULTI IMAGE FUSION BASED POSITIONING VERIFICATION	(31) 2014221072 (32) 30.10.2014 (33) Japan	(51) G06T 19/00 A63G 23/00 A63G 31/02 G06F 3/01 G06K 9/00
(73) Brainlab AG (72) BERLINGER, Kajetan STEAD, Michael	(51) G06T 7/73 G06T 7/80 (11) EP3479354 (21) EP18730831.7 (47) 16.09.2020 (87) EP2018066493 14.03.2019	(11) EP3318958 (21) EP17745961.7 (47) 16.09.2020 (87) KR2017002329 14.09.2017 (22) 03.03.2017 (54) VIRTUAL REALITY EXPERIENCE DEVICE
(31) PCT/EP2017/054323 (32) 24.02.2017 (33) World Intellectual Property Office (WIPO)	(22) 20.06.2018 (54) DETERMINING THE RELATIVE POSITION BETWEEN A THERMAL CAMERA AND A 3D CAMERA USING A HYBRID PHANTOM AND HYBRID PHANTOM	(73) Sangwha Co., Ltd. (72) JUNG, Beom Joon (31) 20160029466 20160123261 (32) 11.03.2016 26.09.2016 (33) Korea (Republic) Korea (Republic)
(51) G06T 7/33 H04N 13/133 H04N 13/15 H04N 13/246 H04N 13/257	(73) Brainlab AG (72) ROHDE, Daniel (31) PCT/EP2017/072360 PCT/EP2017/074069 (32) 06.09.2017 22.09.2017	(51) G06T 19/00 G05B 19/418 G06F 3/01 (11) EP3104241 (21) EP15290157.5 (47) 16.09.2020 (22) 12.06.2015
(11) EP3024229 (21) EP15194812.2 (47) 16.09.2020 (22) 16.11.2015	(33) World Intellectual Property Office (WIPO) World Intellectual Property Office (WIPO)	(54) AN AUGMENTED REALITY METHOD AND SYSTEM FOR MEASURING AND/ OR MANUFACTURING
(54) METHOD, COMPUTER PROGRAM AND APPARATUS FOR CALIBRATING MULTI-VIEW IMAGES	(51) G06T 11/00 (11) EP3378042 (21) EP16805486.4 (47) 16.09.2020 (87) FI2016050809 26.05.2017	(73) Accenture Global Services Limited (72) Montaigne, Manuel Rossi, Teemu
(73) Samsung Electronics Co., Ltd (72) HWANG, Hyoseok CHO, Yang Ho NAM, Dong Kyung CHOI, Ouk	(22) 17.11.2016 (54) METHODS AND APPARATUSES FOR PENETRATING IMAGING	(51) G07C 5/00 (11) EP2859464 (21) EP13801039.2 (47) 16.09.2020 (87) US2013044448
(31) 20140162651 (32) 20.11.2014 (33) Korea (Republic)	(73) Teknologian tutkimuskeskus VTT Oy (72) LÖTJÖNEN, Jyrki KORTELAINEN, Juha M.	
(51) G06T 7/50 (11) EP3467790 (21) EP17802376.8 (47) 16.09.2020 (87) JP2017007455 30.11.2017	(31) 20155856 (32) 18.11.2015 (33) Finland	
(22) 27.02.2017 (54) INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND STORAGE MEDIUM	(51) G06T 15/00 G06F 11/07 G06F 11/22 G06F 11/263 G06T 1/20 G09G 3/00 G09G 5/36 G06T 7/00	
(73) Sony Corporation	(11) EP3182399	

12.12.2013	(73) Yokogawa Electric Corporation	(31) 201361790595 P
(22) 06.06.2013	(72) KATSURAI Tooru	(32) 15.03.2013
(54) ASSESSMENT OF ELECTRONIC SENSOR DATA TO REMOTELY IDENTIFY A MOTOR VEHICLE AND MONITOR DRIVER BEHAVIOR	MIYAZAWA Kazunori	(33) United States of America
(73) Airbiquity, Inc.	(31) 2014254629	(51) G08G 1/16
(72) GARRETT, Darrin	(32) 17.12.2014	H04L 5/00
MANN, Darren	(33) Japan	H04W 24/02
(31) 201261657192 P	(51) G08C 15/00	H04W 92/20
(32) 08.06.2012	G08C 17/00	H04W 4/02
(33) United States of America	H01Q 1/42	H04W 76/14
(51) G07C 5/00	H04Q 9/00	(11) EP3326320
G07C 5/08	H04B 7/02	(21) EP16828096.4
G06Q 10/06	(11) EP3154207	(47) 16.09.2020
(11) EP2842087	(21) EP14893755.0	(87) KR2016008008
(21) EP13710303.2	(47) 16.09.2020	26.01.2017
(47) 16.09.2020	(87) JP2014065118	(22) 22.07.2016
(87) EP2013000789	10.12.2015	(54) METHOD AND APPARATUS FOR SUPPORTING V2X FUNCTION IN WIRELESS COMMUNICATION SYSTEM
31.10.2013	(22) 06.06.2014	(73) LG Electronics Inc.
(22) 14.03.2013	(54) CONCENTRATOR	(72) XU, Jian
(54) METHOD FOR DETERMINING AN EXPECTED CONSUMPTION VALUE OF A MOTOR VEHICLE	(73) Kabushiki Kaisha Toshiba	BYUN, Daewook
(73) Audi AG	(72) SATO, Koichi	(31) 201562195800 P
(72) LAMPRECHT, Andreas	(51) G08C 23/04	(32) 23.07.2015
(31) 102012008688	H04L 17/02	(33) United States of America
(32) 28.04.2012	(11) EP3364619	(51) G08G 3/00
(33) Germany	(21) EP18165725.5	G08G 3/02
(51) G07F 11/16	(47) 16.09.2020	H04B 7/185
(11) EP3449469	(22) 18.01.2011	H04L 29/08
(21) EP17734496.7	(54) MULTI-FUNCTION REMOTE CONTROL DEVICE	H04W 4/12
(47) 16.09.2020	(73) TiVo Solutions Inc.	H04W 84/18
(87) IT2017000087	(72) PATEL, Mukesh	H04W 4/02
02.11.2017	LOGAN, Jonathan	G01S 13/93
(22) 26.04.2017	GHARAAT, Amir	(11) EP3525194
(54) AUTOMATIC DISPENSER OF PRODUCT ITEMS AND OF GOODS	LEE, Richard	(21) EP19167309.4
(73) Sandenvendo Europe S.p.a.	HSU, Roger	(47) 16.09.2020
(72) SPAGNA, Danilo	PONIATOWSKI, Robert	(22) 08.11.2013
ZILIOOTTO, Daniele	LEE, Anthony	(54) METHOD FOR SENDING INFORMATION FROM A SENDER TO A RECEIVER
(31) UA20162941	(31) 84296610	(73) True Heading AB
(32) 28.04.2016	(32) 23.07.2010	(72) BERGSTRÖM, Anders
(33) Italy	(33) United States of America	WILLART, Nils
(51) G08B 13/196	(51) G08G 1/00	(31) 1251277
H04N 5/232	G08G 1/017	(32) 09.11.2012
(11) EP3323236	(11) EP3440653	(33) Sweden
(21) EP16753734.9	(21) EP16718213.8	(51) G09B 23/28
(47) 16.09.2020	(47) 16.09.2020	G09B 23/30
(87) US2016042617	(87) EP2016057331	G09B 23/32
19.01.2017	12.10.2017	G09B 23/34
(22) 15.07.2016	(22) 04.04.2016	(11) EP3014601
(54) IMAGE PRODUCTION FROM VIDEO	(54) METHOD FOR VEHICLE IDENTIFICATION	(21) EP14816826.3
(73) Google LLC	(73) Volvo Truck Corporation	(47) 16.09.2020
(72) KARSH, Jason, Adam	(72) BERGQUIST (BERGQVIST), Stefan	(87) CA2014000335
SANIO, Jason, Robert, Richard	WIBERG, Wilhelm	31.12.2014
(31) 201514801261	WIRFÄLT, Petter	(22) 04.04.2014
(32) 16.07.2015	GULLVÉN, Henrik	(54) A SYSTEM FOR MOVING AN ANATOMICAL MODEL OF A FETUS INSIDE A MANNEQUIN HAVING A BIRTH CANAL AND A CHILDBIRTH SIMULATOR
(33) United States of America	SANDBLÖM, Fredrik	(73) CAE Healthcare Canada Inc.
(51) G08C 15/00	(51) G08G 1/01	(72) LAVIGUEUR, Maxime
G08C 15/06	H04L 12/26	HALBERT, Gary
(11) EP3236444	H04L 12/801	MALLACI, Giuseppe
(21) EP15869720.1	(11) EP2974182	FERNANDEZ, Daniel
(47) 16.09.2020	(21) EP14762717.8	CARON, François
(87) JP2015082268	(47) 16.09.2020	(31) 201361841250 P
23.06.2016	(87) US2014030196	201414231452
(22) 17.11.2015	18.09.2014	
(54) DATA COLLECTION SYSTEM	(22) 17.03.2014	
	(54) TRAFFIC ANALYSIS SYSTEM USING WIRELESS NETWORKING DEVICES	
	(73) FLIR Commercial Systems, Inc.	
	(72) BENHAMMOU, Daniel	

(32) 28.06.2013 31.03.2014	(51) G09G 3/20 G09G 5/18	(32) 11.03.2013
(33) United States of America United States of America	(11) EP3252746	(33) United States of America
(51) G09B 23/30	(21) EP17173361.1	(51) G10L 15/22
(11) EP3449474	(47) 16.09.2020	H04M 1/725
(21) EP17722560.4	(22) 30.05.2017	G10L 15/32
(47) 16.09.2020	(54) TIMING CONTROLLER, DISPLAY DEVICE INCLUDING THE SAME, AND	(11) EP2842125
(87) US2017029281	METHOD OF DRIVING THE SAME	(21) EP13782252.4
02.11.2017	(73) LG Display Co., Ltd.	(47) 16.09.2020
(22) 25.04.2017	(72) CHO, Won	(87) US2013037679
(54) RESIDUAL STRESS FEATURES IN ORGAN MODELS	KIM, JinHyoung	31.10.2013
(73) Applied Medical Resources Corporation	(31) 20160067206	(22) 23.04.2013
(72) HOFSTETTER, Gregory K.	(32) 31.05.2016	(54) EMBEDDED SYSTEM FOR CONSTRUCTION OF SMALL
(31) 201662327925 P	(33) Korea (Republic)	FOOTPRINT SPEECH RECOGNITION WITH USER-DEFINABLE
(32) 26.04.2016	(51) G09G 3/32	CONSTRAINTS
(33) United States of America	G09G 3/3291	(73) Nuance Communications, Inc.
(51) G09C 1/00	(11) EP3296983	(72) NEWMAN, Michael J.
H04L 9/00	(21) EP15851606.2	ROTH, Robert
H04L 9/06	(47) 16.09.2020	ALEXANDER, William D.
(11) EP3264397	(87) CN2015092198	MULBREGT, Paul van
(21) EP16176719.9	17.11.2016	(31) 201213456959
(47) 16.09.2020	(22) 19.10.2015	(32) 26.04.2012
(22) 28.06.2016	(54) OLED PIXEL CIRCUIT, DISPLAY DEVICE AND CONTROL METHOD	(33) United States of America
(54) A PROTECTION METHOD AND DEVICE AGAINST A SIDE-CHANNEL ANALYSIS	(73) BOE Technology Group Co., Ltd.	(51) G10L 19/00
(73) ESHARD	(72) NAGAYAMA, Kazuyoshi	G10L 19/035
(72) WURCKER, Antoine	SONG, Song	G10L 19/04
(51) G09F 3/02	(31) 201510232424	G10L 19/26
G09F 3/10	(32) 08.05.2015	(11) EP3455854
(11) EP1993846	(33) China	(21) EP17724255.9
(21) EP06850023.0	(51) G10L 15/10	(47) 16.09.2020
(47) 16.09.2020	G10L 15/22	(87) US2017031735
(87) US2006049399	G10L 15/28	16.11.2017
13.09.2007	G10L 25/51	(22) 09.05.2017
(22) 27.12.2006	(11) EP3477634	(54) ADAPTIVE AUDIO CODEC METHOD AND APPARATUS
(54) MULTISIDED THERMAL MEDIA COMBINATIONS	(21) EP17814973.8	(73) Immersion Services LLC
(73) Iconex LLC	(47) 16.09.2020	(72) JOHNSTON, James
(72) ROTH, Joseph, D.	(87) JP2017012692	WHITE, Stephen
HALBROOK, Wendell, B.	28.12.2017	(31) 201615151109
BLANK, Paul, C.	(22) 28.03.2017	201615151200
(31) 779782 P	(54) INFORMATION PROCESSING DEVICE AND INFORMATION PROCESSING METHOD	201615151211
779781 P	(73) Sony Corporation	201615151220
595364	(72) NAKAGAWA, Yusuke	(32) 10.05.2016
(32) 07.03.2006	KAWANO, Shinichi	10.05.2016
07.03.2006	TAKI, Yuhei	10.05.2016
09.11.2006	KATO, Ayumi	(33) United States of America
(33) United States of America	(31) 2016124092	United States of America
United States of America	(32) 23.06.2016	United States of America
United States of America	(33) Japan	United States of America
(51) G09G 3/20	(51) G10L 15/16	(51) G10L 19/002
G09G 3/36	(11) EP2973546	G10L 19/008
G09G 3/3266	(21) EP14711122.3	G10L 19/22
(11) EP3264403	(47) 16.09.2020	(11) EP3430621
(21) EP17177680.0	(87) US2014020448	(21) EP17714985.3
(47) 16.09.2020	09.10.2014	(47) 16.09.2020
(22) 23.06.2017	(22) 05.03.2014	(87) US2017023026
(54) DISPLAY DEVICE	(54) MULTILINGUAL DEEP NEURAL NETWORK	21.09.2017
(73) LG Display Co., Ltd.	(73) Microsoft Technology Licensing, LLC	(22) 17.03.2017
(72) SO, Byeongseong	(72) HUANG, Jui-Ting	(54) AUDIO PROCESSING FOR TEMPORALLY MISMATCHED SIGNALS
CHO, Youngsung	LI, Jinyu	(73) QUALCOMM INCORPORATED
(31) 20160080334	YU, Dong	(72) ATTI, Venkatraman S.
(32) 27.06.2016	DENG, Li	CHEBIYYAM, Venkata Subrahmanyam
(33) Korea (Republic)	GONG, Yifan	Chandra Sekhar
	(31) 201313792241	SINDER, Daniel Jared
		(31) 201662310611 P

201715461356	(47) 16.09.2020	(31) 819336 P
(32) 18.03.2016	(87) US2014045696	819356 P
16.03.2017	14.01.2016	(32) 07.07.2006
(33) United States of America	(22) 08.07.2014	07.07.2006
United States of America	(54) SUPERCONDUCTIVE GATE SYSTEM	(33) United States of America
(51) G10L 19/022	(73) Northrop Grumman Systems Corporation	United States of America
G10L 19/18	(72) HERR, Anna Y.	(51) G16H 50/20
G10L 19/26	HERR, Quentin P.	G16H 50/30
(11) EP3352168	(51) G11C 16/04	G16H 50/70
(21) EP18160922.3	H01L 21/285	(11) EP3506314
(47) 16.09.2020	H01L 21/8242	(21) EP18213273.8
(22) 23.06.2010	H01L 23/528	(47) 16.09.2020
(54) FORWARD TIME-DOMAIN ALIASING	H01L 27/108	(22) 18.12.2018
CANCELLATION WITH APPLICATION	H01L 27/12	(54) SYSTEMS AND METHODS FOR
IN WEIGHTED OR ORIGINAL SIGNAL	H01L 29/24	DETECTING ANOMALY IN A
DOMAIN	H01L 29/66	CARDIOVASCULAR SIGNAL USING
(73) VoiceAge Corporation	H01L 29/78	HIERARCHICAL EXTREMES AND
(72) BESSETTE, Bruno	H01L 29/786	REPETITIONS
(31) 213593 P	H01L 29/788	(73) Tata Consultancy Services Limited
(32) 23.06.2009	H01L 29/792	(72) BANDYOPADHYAY, Soma
(33) United States of America	H01L 49/02	UKIL, Arijit
(51) G10L 21/0364	H01L 27/115	PURI, Chetanya
(11) EP3373300	(11) EP2513966	SINGH, Rituraj
(21) EP16861250.5	(21) EP10837421.6	PAL, Arpan
(47) 16.09.2020	(47) 16.09.2020	MURTHY, C A
(87) CN2016083622	(87) JP2010071198	(31) 201721047277
11.05.2017	23.06.2011	(32) 29.12.2017
(22) 27.05.2016	(22) 19.11.2010	(33) India
(54) METHOD AND APPARATUS FOR	(54) SEMICONDUCTOR DEVICE	(51) G16Z 99/00
PROCESSING VOICE SIGNAL	(73) Semiconductor Energy Laboratory Co.,	(11) EP3310925
(73) Tencent Technology (Shenzhen)	Ltd.	(21) EP16731303.0
Company Limited	(72) YAMAZAKI, Shunpei	(47) 16.09.2020
(72) YUAN, Haolei	KOYAMA, Jun	(87) GB2016051829
(31) 201510741057	KATO, Kiyoshi	22.12.2016
(32) 04.11.2015	(31) 2009288474	(22) 17.06.2016
(33) China	2009294790	(54) METHOD, APPARATUS AND
(51) G10L 25/21	(32) 18.12.2009	ELECTROCHEMICAL TEST DEVICE
G10L 25/27	25.12.2009	(73) Inside Biometrics International Limited
G10L 25/90	(33) Japan	(72) SAINI, Selwayan
(11) EP2380165	Japan	RODGERS, James
(21) EP10701639.6	(51) G16B 30/00	BASKEYFIELD, Damian
(47) 16.09.2020	G16B 50/50	(31) 201510765
(87) EP2010050229	(11) EP2724278	(32) 18.06.2015
29.07.2010	(21) EP12721437.7	(33) United Kingdom
(22) 11.01.2010	(47) 16.09.2020	(51) H01B 1/02
(54) APPARATUS, METHOD AND	(87) EP2012057943	H01B 1/22
COMPUTER PROGRAM FOR	27.12.2012	H01B 13/00
OBTAINING A PARAMETER	(22) 30.04.2012	H05K 1/09
DESCRIBING A VARIATION OF A	(54) METHODS AND SYSTEMS FOR DATA	C09D 11/52
SIGNAL CHARACTERISTIC OF A	ANALYSIS	(11) EP2876652
SIGNAL	(73) Illumina Cambridge Limited	(21) EP12881438.1
(73) Fraunhofer-Gesellschaft zur Förderung	(72) BAUER, Markus J.	(47) 16.09.2020
der angewandten Forschung e.V.	COX, Anthony James	(87) JP2012068133
(72) BÄCKSTRÖM, Tom	ROSONE, Giovanna	23.01.2014
BAYER, Stefan	EVERS, Dirk	(22) 17.07.2012
GEIGER, Ralf	(31) 201161499587 P	(54) SILVER-CONTAINING COMPOSITION,
NEUENDORF, Max	(32) 21.06.2011	AND BASE FOR USE IN FORMATION
DISCH, Sascha	(33) United States of America	OF SILVER ELEMENT
(31) 146063 P	(51) G16H 40/60	(73) NOF Corporation
09005486	(11) EP2365452	(72) AOKI Koichi
(32) 21.01.2009	(21) EP11166335.7	KANG Eui-chul
17.04.2009	(47) 16.09.2020	KOZU Tatsuya
(33) United States of America	(22) 06.07.2007	FUJIMURA Toshinobu
European Patent Office (EPO)	(54) Fluid delivery device and methods of its	(51) H01B 1/04
(51) G11C 11/44	operation	H01M 4/36
H03K 19/195	(73) F. Hoffmann-La Roche AG	H01M 4/38
(11) EP3167450	(72) Nir-Shafir, Ido	(11) EP3236515
(21) EP14830748.1	Yodfat Ofer	(21) EP14908419.6

(47) 16.09.2020	(11) EP2681749	H01F 27/28
(87) JP2014083475 23.06.2016	(21) EP12715693.3 (47) 16.09.2020	H01F 30/08 H01F 38/14
(22) 17.12.2014	(87) FI2012050211	(11) EP2348516
(54) NEGATIVE ELECTRODE ACTIVE MATERIAL FOR ELECTRICAL DEVICE, AND ELECTRICAL DEVICE USING SAME	(07.09.2012 (22) 02.03.2012 (54) METHOD OF PRODUCING MAGNETIC SHAPE MEMORY ALLOY ELEMENTS	(21) EP11151262.0 (47) 16.09.2020 (22) 18.01.2011 (54) Railway sensor including a coreless transformer with high galvanic insulation
(73) Nissan Motor Co., Ltd.	(73) ETO MAGNETIC GmbH	(73) Rwaytech
(72) KABURAGI, Tomohiro WATANABE, Manabu CHIBA, Nobutaka MIKI, Humihiro TANIMURA, Makoto	(72) EZER, Yossef SOROKA, Aleksandr STRAKA, Ladislav (31) 20115210 201161448213 P	(72) Ciclet, Jean-Paul Gillard, Bernard (31) 1050405 (32) 21.01.2010 (33) France
(51) H01B 3/44 H01B 7/04 H01B 7/18 H01B 7/28 H01B 7/282	(32) 02.03.2011 02.03.2011 (33) Finland United States of America	(51) H01F 17/00 H01F 17/06 H01L 23/64 H01L 25/16 H01L 49/02
(11) EP3226254	(11) EP3226254	(11) EP2779236
(21) EP17152764.1	(21) EP17152764.1	(21) EP14158260.1
(47) 16.09.2020	(47) 16.09.2020	(47) 16.09.2020
(22) 24.01.2017	(22) 24.01.2017	(22) 07.03.2014
(54) FLUORORESIN CABLE AND ELECTRONIC DEVICE	(54) FLUORORESIN CABLE AND ELECTRONIC DEVICE	(54) Magnetic core inductor (MCI) structures for integrated voltage regulators
(73) Omron Corporation	(73) Omron Corporation	(73) Intel Corporation
(72) KUME, Tsutomu INOUE, Daisuke NAKAMURA, Masaki USHIRO, Yuki	(72) KUME, Tsutomu INOUE, Daisuke NAKAMURA, Masaki USHIRO, Yuki	(72) ELSHERBINI, Adel A. O'BRIEN, Kevin P. BRAUNISCH, Henning BHARATH, Krishna
(31) 2016071206	(31) 2016071206	(31) 201313801623
(32) 31.03.2016	(32) 31.03.2016	(32) 13.03.2013
(33) Japan	(33) Japan	(33) United States of America
(51) H01B 7/08 H01B 17/62 H01R 13/03 H02G 5/00	(51) H01F 1/34 H01F 27/28 H01F 38/14 H01J 7/00	(51) H01F 27/14 (11) EP3121825 (21) EP15177876.8 (47) 16.09.2020 (22) 22.07.2015 (54) RECEIVER DEVICE FOR RECEIVING INSULATING FLUID
(11) EP2828863	(11) EP3144954	(11) EP2779236
(21) EP13764112.2	(21) EP15791920.0	(21) EP14158260.1
(47) 16.09.2020	(47) 16.09.2020	(47) 16.09.2020
(87) AU2013000277 26.09.2013	(87) CN2015078177 19.11.2015	(87) CN2015078177 19.11.2015
(22) 19.03.2013	(22) 04.05.2015	(22) 07.03.2014
(54) BUSBAR	(54) WIRELESS POWER TRANSMISSION DEVICE	(54) Magnetic core inductor (MCI) structures for integrated voltage regulators
(73) Albus Industries Pty Ltd	(73) Tyco Electronics (Shanghai) Co., Ltd.	(73) Intel Corporation
(72) DE LAETER, Richard Lionel	(72) WANG, Shaoyong SONG, Yuming DAI, Feng ZOU, Li	(72) ELSHERBINI, Adel A. O'BRIEN, Kevin P. BRAUNISCH, Henning BHARATH, Krishna
(31) 2012901127	(31) 201410208565	(31) 201313801623
(32) 20.03.2012	(32) 16.05.2014	(32) 13.03.2013
(33) Australia	(33) China	(33) United States of America
(51) H01B 17/28 H01G 4/32 H02G 15/072	(51) H01F 3/02 H01F 27/08	(51) H01F 27/14 (11) EP3121825 (21) EP15177876.8 (47) 16.09.2020 (22) 22.07.2015 (54) RECEIVER DEVICE FOR RECEIVING INSULATING FLUID
(11) EP3531431	(11) EP3510607	(11) EP2828863
(21) EP18157991.3	(21) EP17791956.0	(21) EP13764112.2
(47) 16.09.2020	(47) 16.09.2020	(47) 16.09.2020
(22) 22.02.2018	(47) 16.09.2020	(22) 19.03.2013
(54) BUSHING ELECTRODE WITH EDGES HAVING FIELD GRADING PROPERTIES AND METHOD FOR MANUFACTURING SUCH A BUSHING	(87) EP2017075720 17.05.2018	(87) AU2013000277 26.09.2013
(73) ABB Power Grids Switzerland AG	(73) Siemens Aktiengesellschaft	(73) Siemens Aktiengesellschaft
(72) KANJE-NORDBERG, Jens SJÖBERG, Peter PENAYO, Francisco ERIKSSON, Anders Bo FLORESJÖ, Robert NATZ, Richard	(72) FINDEISEN, Jörg (31) 102016221992 (32) 09.11.2016 (33) Germany	(72) REISING, Andreas RUDOLPH, Oliver
(51) H01F 1/03	(51) H01F 3/12 H01F 27/06 H01F 38/08	(51) H01F 27/24 H01F 27/28 H01F 27/36 H01F 27/38 H01F 38/14 H02M 7/00 H02J 7/02 (11) EP3238220 (21) EP15816761.9 (47) 16.09.2020 (87) EP2015080520 30.06.2016 (22) 18.12.2015 (54) WIRELESS POWER TRANSFER APPARATUS AND POWER SUPPLIES INCLUDING OVERLAPPING MAGNETIC CORES
	(11) EP2816571 (21) EP13197132.7 (47) 16.09.2020 (22) 13.12.2013 (54) Inductor and electronic device including the same	(54) WIRELESS POWER TRANSFER APPARATUS AND POWER SUPPLIES INCLUDING OVERLAPPING MAGNETIC CORES
	(73) Samsung Electronics Co., Ltd. (72) Kang, Jeong-il (31) 20130069060 (32) 17.06.2013 (33) Korea (Republic)	(73) Eaton Capital (72) XU, Jun WANG, Xiaojun GU, Yilei (31) 201414579007 (32) 22.12.2014 (33) United States of America

(51) H01F 27/38	(72) YANG, Wei	(32) 13.04.2013
H01F 38/14	LIU, Siyuan	(33) Germany
(11) EP2953148	WU, Lusheng	(51) H01H 9/54
(21) EP14746584.3	(31) 201420735741 U	H02H 3/08
(47) 16.09.2020	(32) 28.11.2014	(11) EP3529817
(87) JP2014000441	(33) China	(21) EP17777583.0
07.08.2014	(51) H01G 4/228	(47) 16.09.2020
(22) 29.01.2014	H01G 4/33	(87) EP2017074910
(54) CONTACTLESS-POWER-TRANSFER- DEVICE COIL AND CONTACTLESS POWER-TRANSFER DEVICE	(11) EP3210218	26.04.2018
(73) Panasonic Intellectual Property Management Co., Ltd.	(21) EP15863747.0	(22) 29.09.2017
(72) FUJITA, Atsushi	(47) 16.09.2020	(54) LOW-VOLTAGE CIRCUIT BREAKER DEVICE
SADAKATA, Hideki	(87) CN2015095341	(73) Eaton Intelligent Power Limited
OMORI, Yoshiharu	02.06.2016	(72) ASKAN, Kenan
KURIHARA, Hiroaki	(22) 23.11.2015	(31) 102016120070
BESSYO, Daisuke	(54) FILM CAPACITOR	(32) 21.10.2016
(31) 2013015075	(73) BYD Company Limited	(33) Germany
(32) 30.01.2013	(72) YANG, Wei	(51) H01H 9/56
(33) Japan	LIU, Zhongzheng	H01H 71/02
(51) H01G 2/06	LIU, Siyuan	H01H 71/10
H01G 4/012	(31) 201420735558 U	H01H 73/00
H01G 4/12	(32) 28.11.2014	H01H 83/20
H01G 4/228	(33) China	H02J 9/06
H01G 4/232	(51) H01G 9/04	(11) EP3278349
H01G 4/30	H01M 4/04	(21) EP16711623.5
H01G 4/38	H01M 4/62	(47) 16.09.2020
H01G 4/40	H01M 4/86	(87) EP2016056319
H05K 1/14	H01M 4/88	06.10.2016
H05K 1/16	H01M 4/96	(22) 23.03.2016
H05K 1/18	H01M 4/133	(54) SWITCHGEAR CABINET ARRANGEMENT WITH IMPROVED CUT-OFF IN THE EVENT OF AN OVERLOAD
(11) EP3333862	H01M 4/139	(73) Eaton Intelligent Power Limited
(21) EP17205642.6	H01M 4/1393	(72) REUBERGER, Georg
(47) 16.09.2020	H01M 4/587	(31) 102015104920
(22) 06.12.2017	H01M 10/0525	(32) 31.03.2015
(54) MULTILAYER CAPACITORS	H01G 11/22	(33) Germany
(73) Werlatone, Inc.	H01G 11/30	(51) H01H 13/14
(72) PODELL, Allen F.	H01G 11/38	H01H 13/48
DO, Ky-Hien	H01G 11/86	H01H 13/52
(31) 201662430793 P	(11) EP3117473	H01H 13/702
(32) 06.12.2016	(21) EP15711015.6	(11) EP3398199
(33) United States of America	(47) 16.09.2020	(21) EP16882455.5
(51) H01G 4/14	(87) US2015019477	(47) 16.09.2020
(11) EP3143651	17.09.2015	(87) US2016068479
(21) EP15792405.1	(22) 09.03.2015	06.07.2017
(47) 16.09.2020	(54) METHODS AND APPARATUSES FOR POLYMER FIBRILLIZATION UNDER ELECTRIC FIELD	(22) 23.12.2016
(87) US2015030356	(73) Maxwell Technologies, Inc.	(54) STRAIN GAUGE PROPORTIONAL PUSH BUTTON
19.11.2015	(72) HONG, Jian	(73) Eaton Intelligent Power Limited
(22) 12.05.2015	XI, Xiaomei	(72) TOWERS, Kevin Christopher
(54) CAPACITOR AND METHOD OF PRODUCTION THEREOF	(31) 201461950699 P	(31) 201514985579
(73) Capacitor Sciences Incorporated	(32) 10.03.2014	(32) 31.12.2015
(72) LAZAREV, Pavel, Ivan	(33) United States of America	(33) United States of America
(31) 201461991871 P	(51) H01H 3/00	(51) H01H 33/66
(32) 12.05.2014	H01H 3/02	H01H 33/666
(33) United States of America	H01H 3/12	(11) EP3138113
(51) H01G 4/228	(11) EP2984667	(21) EP15728813.5
H01G 4/33	(21) EP14716359.6	(47) 16.09.2020
(11) EP3210219	(47) 16.09.2020	(87) EP2015062608
(21) EP15863847.8	(87) EP2014057323	07.01.2016
(47) 16.09.2020	16.10.2014	(22) 05.06.2015
(87) CN2015091857	(22) 10.04.2014	(54) AVOIDING INCORRECT ORIENTATIONS OF A DRIVE ROD OF A POWER SWITCH
02.06.2016	(54) DEVICE FOR OPERATING MULTIPLE FUNCTIONS IN A MOTOR VEHICLE	(73) Siemens Aktiengesellschaft
(22) 13.10.2015	(73) KOSTAL Automobil Elektrik GmbH & Co. KG	(72) SURESH, Unni
(54) THIN-FILM CAPACITOR FOR ELECTRIC VEHICLE	(72) BLECKMANN, Michael	
(73) BYD Company Limited	MACHATZKE, Corinna	
	(31) 102013006414	

RÖHRIG, Fabian	(54) ROTARY SHAFT DEVICE OF CIRCUIT BREAKER	H01L 33/42
(31) 102014212583	(73) Zhejiang Chint Electrics Co., Ltd.	(11) EP2948977
(32) 30.06.2014	(72) XIAO, Hongwei	(21) EP14704663.5
(33) Germany	LI, Jiakai	(47) 16.09.2020
(51) H01H 50/04	GUO, Dexin	(87) IB2014058275
H01H 50/16	JIANG, Huahua	31.07.2014
H01H 50/36	(31) 201610127244	(22) 15.01.2014
H01H 50/44	(32) 07.03.2016	(54) CONTROL OF P-CONTACT RESISTANCE IN A SEMICONDUCTOR LIGHT EMITTING DEVICE
(11) EP3389073	(33) China	(73) Lumileds Holding B.V.
(21) EP16872238.7	(51) H01H 71/04	(72) CHOY, Kwong-Hin, Henry
(47) 16.09.2020	(11) EP3249673	(31) 201361756107 P
(87) CN2016103049	(21) EP17160475.4	(32) 24.01.2013
15.06.2017	(47) 16.09.2020	(33) United States of America
(22) 24.10.2016	(22) 13.03.2017	(51) H01L 21/311
(54) ALTERNATING-CURRENT CONTACTOR	(54) MECHANISM FOR SIGNALLING AN ELECTRICAL FAULT IN AN ELECTRIC PROTECTION DEVICE, AND ELECTRIC PROTECTION DEVICE INCLUDING SUCH A MECHANISM	H01L 27/12
(73) Zhejiang Chint Electrics Co., Ltd.	(73) Schneider Electric Industries SAS	(11) EP3185287
(72) XU, Ping	(72) BELIN, Yves	(21) EP14881396.7
HU, Yujia	BOUMEDIENE, Emir	(47) 16.09.2020
ZHANG, Xingdong	(31) 1654569	(87) CN2014089549
ZHANG, Zhiwen	(32) 23.05.2016	25.02.2016
XIAO, Tifeng	(33) France	(22) 27.10.2014
(31) 201521013928 U	(51) H01J 23/24	(54) ARRAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, AND DISPLAY DEVICE
(32) 09.12.2015	H01J 23/26	(73) BOE Technology Group Co., Ltd.
(33) China	H01J 25/02	Beijing BOE Optoelectronics Technology Co., Ltd.
(51) H01H 51/27	H01J 25/36	(72) JIANG, Xiaohui
(11) EP3549150	H01J 25/38	YAN, Changjiang
(21) EP17804912.8	H01P 9/00	ZHANG, Jiaxiang
(47) 16.09.2020	(11) EP3489987	(31) 201410415652
(87) EP2017080804	(21) EP18205842.0	(32) 21.08.2014
07.06.2018	(47) 16.09.2020	(33) China
(22) 29.11.2017	(22) 13.11.2018	(51) H01L 21/329
(54) DEVICE FOR SEPARATING AN ELECTRICAL SYSTEM FROM AN ENERGY SOURCE	(54) INTERNAL LOAD FOR TRAVELLING-WAVE TUBE USING A DELAY LINE IN A FOLDED WAVEGUIDE	H01L 21/331
(73) innofas GmbH	(73) Thales	H01L 21/336
(72) UTZ, Sebastian	(72) DURAND, Alain	H01L 29/06
(31) 102016123283	HARDY, Thomas	H01L 29/10
(32) 01.12.2016	(31) 1701253	H01L 29/16
(33) Germany	(32) 28.11.2017	H01L 29/739
(51) H01H 71/02	(33) France	H01L 29/78
H01H 71/10	(51) H01J 37/20	H01L 29/808
H01H 71/12	H01J 37/26	H01L 29/861
H01H 71/74	H01J 37/28	H01L 29/872
(11) EP3373318	(11) EP3073508	(11) EP3590138
(21) EP15907566.2	(21) EP15000918.1	(21) EP18710391.6
(47) 16.09.2020	(47) 16.09.2020	(47) 16.09.2020
(87) BR2015050204	(22) 27.03.2015	(87) EP2018055224
11.05.2017	(54) METHOD OF GENERATING A ZOOM SEQUENCE AND MICROSCOPE SYSTEM CONFIGURED TO PERFORM THE METHOD	07.09.2018
(22) 06.11.2015	(73) Carl Zeiss Microscopy GmbH	(22) 02.03.2018
(54) CIRCUIT BREAKER WITH PLUGGABLE TRIP MODULE	(72) Pavia, Giuseppe	(54) SILICON CARBIDE SUPERJUNCTION POWER SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME
(73) Weg Drives & Controls - Automação LTDA	(51) H01L 21/02	(73) ABB Power Grids Switzerland AG
(72) TOMASELLI, Deivt	H01L 21/225	(72) BAUER, Friedhelm
WEBER, Douglas	H01L 21/285	KNOLL, Lars
PERINI, Ricardo Luís	H01L 33/00	BELLINI, Marco
SIGA DUFLOTH, Ricardo	H01L 33/08	MINAMISAWA, Renato
(51) H01H 71/02	H01L 33/14	VEMULAPATI, Umamaheswara
H01H 71/10	H01L 33/20	(31) 17159033
H01H 73/04	H01L 33/22	(32) 03.03.2017
(11) EP3428945	H01L 33/32	(33) European Patent Office (EPO)
(21) EP16893272.1	H01L 33/40	(51) H01L 21/329
(47) 16.09.2020		H01L 29/06
(87) CN2016103022		H01L 29/08
14.09.2017		
(22) 24.10.2016		

H01L 29/16	(54) AN ACTIVE SHIELD FOR DETECTING	(21) EP18170792.8
H01L 29/36	AN INTRUSION ON AN INTEGRATED	(47) 16.09.2020
H01L 29/745	CIRCUIT	(22) 04.05.2018
H01L 29/861	(73) Nagravision S.A.	(54) POWER CONVERTER
(11) EP3327792	(72) MARTIN, Jean-Marie	(73) Toyota Jidosha Kabushiki Kaisha
(21) EP17001863.4	(31) 16192131	(72) KIDA, Yoshihiro
(47) 16.09.2020	(32) 04.10.2016	TORII, Kaoru
(22) 14.11.2017	(33) European Patent Office (EPO)	(31) 2017098130
(54) SEMICONDUCTOR DEVICE AND	(51) H01L 23/051	(32) 17.05.2017
MANUFACTURING METHOD THEREOF	H01L 23/492	(33) Japan
(73) Hitachi, Ltd.	H01L 23/62	(51) H01L 23/495
(72) BU, Yuan	(11) EP3646376	H01L 25/16
(31) 2016231602	(21) EP18733899.1	H02M 1/00
(32) 29.11.2016	(47) 16.09.2020	(11) EP3174185
(33) Japan	(87) EP2018067901	(21) EP16184829.6
(51) H01L 21/48	17.01.2019	(47) 16.09.2020
H01L 23/538	(22) 03.07.2018	(22) 09.04.2013
(11) EP3203505	(54) BYPASS THYRISTOR DEVICE WITH	(54) POWER SUPPLY MODULE AND
(21) EP16194321.2	GAS EXPANSION CAVITY WITHIN A	METHOD FOR PACKAGING POWER
(47) 16.09.2020	CONTACT PLATE	SUPPLY MODULE
(22) 18.10.2016	(73) ABB Power Grids Switzerland AG	(73) Huawei Technologies Co., Ltd.
(54) LARGE-SCALE RECONFIGURABLE	(72) WIKSTRÖM, Tobias	(72) DUAN, Zhihua
ELECTRONICS USING LOW-COST	BAUMANN, Remo	HOU, Zhaozheng
NANOPARTICLE INK PRINTING	POPULOH, Sascha	(31) 201210268316
METHOD	OEDEGARD, Bjoern	(32) 30.07.2012
(73) Northrop Grumman Systems Corporation	(31) 17181298	(33) China
(72) LAN, Xing	(32) 13.07.2017	(51) H01L 23/66
SCHERRER, Daniel R.	(33) European Patent Office (EPO)	H03F 1/56
TICE, Jesse B.	(51) H01L 23/34	H03F 3/195
CASE, Patrick J.	(11) EP2779228	H03F 3/213
ZENG, Xianglin	(21) EP14156513.5	(11) EP3499717
(31) 201615013093	(47) 16.09.2020	(21) EP18211951.1
(32) 02.02.2016	(22) 25.02.2014	(47) 16.09.2020
(33) United States of America	(54) Semiconductor package having an over-	(22) 12.12.2018
(51) H01L 21/67	temperature protection circuit utilizing	(54) PACKAGED RF POWER AMPLIFIER
H01L 21/677	multiple temperature threshold values	(73) Ampleon Netherlands B.V.
H01L 21/683	(73) Infineon Technologies Americas Corp.	(72) Heeres, Rob Mathijs
H05K 13/04	(72) Fernando, Dean	Van Rijs, Freek
H05K 13/08	Barbosa, Roel	(31) 2020069
(11) EP3522207	(31) 201361780417 P	(32) 12.12.2017
(21) EP16917656.7	201414152723	(33) Netherlands
(47) 16.09.2020	(32) 13.03.2013	(51) H01L 25/065
(87) JP2016078585	10.01.2014	H05K 1/02
05.04.2018	(33) United States of America	H05K 1/03
(22) 28.09.2016	United States of America	H05K 1/11
(54) WAFER FEEDING APPARATUS AND	(51) H01L 23/36	H05K 1/18
COMPONENT MOUNTING APPARATUS	H01L 23/373	H05K 3/00
(73) Fuji Corporation	H01L 23/498	(11) EP3055882
(72) KAWAGUCHI, Koji	H01L 25/07	(21) EP14891614.1
ICHIKAWA, Shigeto	H02M 7/00	(47) 16.09.2020
(51) H01L 21/677	H02M 7/487	(87) US2014071994
(11) EP3029723	(11) EP2765602	30.06.2016
(21) EP14196446.0	(21) EP14151039.6	(22) 22.12.2014
(47) 16.09.2020	(47) 16.09.2020	(54) MULTILAYER SUBSTRATE FOR
(22) 05.12.2014	(22) 14.01.2014	SEMICONDUCTOR PACKAGING AND
(54) Transport device and transport method	(54) Semiconductor system	METHOD
for transporting a fragile object	(73) Fuji Electric Co., Ltd.	(73) INTEL Corporation
(73) Robert Bosch GmbH	(72) Chen, Shuangching	(72) JEN, Wei-Lun Kane
(72) Bierbooms, Rob	Ichikawa, Hiroaki	JAIN, Padam
(51) H01L 23/00	(31) 2013021848	SENEVIRATNE, Dilan
G06F 21/87	(32) 06.02.2013	CHEN, Chi-Mon
(11) EP3523746	(33) Japan	(51) H01L 25/07
(21) EP17777058.3	(51) H01L 23/373	H05K 7/14
(47) 16.09.2020	H01L 23/495	(11) EP3366093
(87) EP2017075045	H01L 25/07	(21) EP15825604.0
12.04.2018	H01L 25/11	(47) 16.09.2020
(22) 03.10.2017	H02M 7/00	(87) EP2015081016
	(11) EP3404819	29.06.2017

(22) 22.12.2015	(87) US2017017890	(47) 16.09.2020
(54) ELECTRICAL MODULE HAVING AN ELECTRICAL COMPONENT	08.09.2017	(22) 21.03.2011
(73) Siemens Aktiengesellschaft	(22) 15.02.2017	(54) Light emitting diode chip having wavelength converting layer and method of fabricating the same, and package having the light emitting diode chip and method of fabricating the same
(72) FRENKEL, Stephan PIERSTORF, Steffen SCHMITT, Daniel SCHREMMER, Frank WAHLE, Marcus	(54) SOLAR PANEL WITH OPTICAL LIGHT ENHANCEMENT DEVICE	(73) Seoul Semiconductor Co., Ltd.
(51) H01L 25/075	(73) Joint Innovation Technology, LLC	(72) Jung, Jung Hwa
H01L 27/32	(72) TERMANINI, Zafer	Kim, Bang Hyun
(11) EP3529834	(31) 201615055635	(31) 20100046423
(21) EP17792126.9	(32) 29.02.2016	20100090352
(47) 16.09.2020	(33) United States of America	20100096682
(87) FR2017052824	(51) H01L 31/042	20100110149
26.04.2018	H02S 20/32	(32) 18.05.2010
(22) 13.10.2017	H02S 40/22	15.09.2010
(54) DISPLAY DEVICE AND METHOD FOR PRODUCING SUCH A DEVICE	(11) EP3565111	05.10.2010
(73) Commissariat à l'énergie atomique et aux énergies alternatives	(21) EP19172365.9	08.11.2010
(72) MAINDRON, Tony RACINE, Benoit TEMPLIER, François	(47) 16.09.2020	(33) Korea (Republic)
(31) 1660225	(22) 02.05.2019	Korea (Republic)
(32) 21.10.2016	(54) SOLAR ENERGY PHOTOVOLTAIC SYSTEM COMPRISING RETRACTABLE MIRRORS	Korea (Republic)
(33) France	(73) Commissariat à l'énergie atomique et aux énergies alternatives	Korea (Republic)
(51) H01L 27/146	(72) PILAT, Eric	(51) H01L 41/04
(11) EP3525239	AL SHAKARCHI, Franck	H01L 41/193
(21) EP19155367.6	SAYRITUPAC VERA, José Ruben	(11) EP3586380
(47) 16.09.2020	(31) 1853877	(21) EP18706672.5
(22) 04.02.2019	(32) 04.05.2018	(47) 16.09.2020
(54) PHOTOELECTRIC CONVERSION APPARATUS AND EQUIPMENT	(33) France	(87) EP2018053370
(73) CANON KABUSHIKI KAISHA	(51) H01L 31/05	30.08.2018
(72) OGAWA, Toshiyuki SATO, Nabuhiko KURIHARA, Masaki WADA, Yoichi	H02S 40/36	(22) 11.02.2018
(31) 2018022398	(11) EP2837039	(54) ACTUATOR AND SENSOR DEVICE BASED ON ELECTROACTIVE POLYMER
(32) 09.02.2018	(21) EP13719639.0	(73) Koninklijke Philips N.V.
(33) Japan	(47) 16.09.2020	(72) HILGERS, Achim VAN DEN ENDE, Daan, Anton
(51) H01L 27/15	(87) US2013034592	(31) 17157440
H01L 33/50	(22) 29.03.2013	(32) 22.02.2017
(11) EP3563421	(54) TAPERED TRUNKING SYSTEM WITH DISTRIBUTED COMBINER	(33) European Patent Office (EPO)
(21) EP17832892.8	(73) Schneider Electric USA, Inc.	(51) H01M 2/02
(47) 16.09.2020	(72) RAMSEY, James, R.	H01M 2/04
(87) US2017068981	(31) 201213444445	H01M 2/10
05.07.2018	(32) 11.04.2012	(11) EP3298641
(22) 29.12.2017	(33) United States of America	(21) EP16709619.7
(54) LIGHT-EMITTING DEVICE PACKAGE AND METHOD TO PRODUCE A LIGHT-EMITTING DEVICE PACKAGE	(51) H01L 33/00	(47) 16.09.2020
(73) Lumileds LLC	H01L 33/02	(87) US2016017653
(72) VAMPOLA, Kenneth John PACELLA, Nan PATEL, Amil	H01L 33/12	24.11.2016
(31) 201662440939 P	H01L 33/32	(22) 12.02.2016
201715857153	(11) EP2873101	(54) LITHIUM-ION BATTERY MODULE COMPRISING EXPANSION ACCOMODATING ELEMENTS AND METHOD FOR MANUFACTURING COMPRISING HEAT SEAL OF COVER TO BASE OF HOUSING
(32) 30.12.2016	(21) EP13762570.3	(73) CPS Technology Holdings LLC
28.12.2017	(47) 16.09.2020	(72) MACK, Robert, J. DEKEUSTER, Richard, M. CZARNECKI, Jennifer, L. LOBERT, Jonathan, P.
(33) United States of America	(87) IB2013055446	(31) 201514715357
United States of America	16.01.2014	(32) 18.05.2015
(51) H01L 31/042	(22) 03.07.2013	(33) United States of America
H01L 31/054	(54) REDUCING OR ELIMINATING NANOPIPE DEFECTS IN III-NITRIDE STRUCTURES	(51) H01M 2/02
(11) EP3398210	(73) Lumileds Holding B.V.	H01M 2/04
(21) EP17708617.0	(72) GRILLOT, Patrick Nolan WILDESON, Isaac Harshman NSHANIAN, Tigran DEB, Parijat Pramil	H01M 10/0525
(47) 16.09.2020	(31) 201261670257 P	(11) EP2333891
	(32) 11.07.2012	(21) EP10191323.4
	(33) United States of America	(47) 16.09.2020
	(51) H01L 33/38	
	H01L 33/50	
	(11) EP2388838	
	(21) EP11159040.2	

(22) 16.11.2010	(32) 06.07.2017	(11) EP2741351
(54) Secondary battery	(33) Korea (Republic)	(21) EP13191042.4
(73) Samsung SDI Co., Ltd	(51) H01M 2/02	(47) 16.09.2020
(72) Ahn, Changbum	H01M 4/66	(22) 31.10.2013
Cho, Jakyung	H01M 4/74	(54) Rechargeable lithium battery
(31) 20090110519	H01M 4/76	(73) Samsung SDI Co., Ltd.
(32) 16.11.2009	H01M 4/80	(72) Hong, Chong-Gi
(33) Korea (Republic)	H01M 10/04	Lee, Joon-Hyung
(51) H01M 2/02	H01M 10/0525	(31) 201261733820 P
H01M 2/10	H01M 10/0562	201314051302
(11) EP3373361	(11) EP3525268	(32) 05.12.2012
(21) EP17851066.5	(21) EP18781568.3	10.10.2013
(47) 16.09.2020	(47) 16.09.2020	(33) United States of America
(87) KR2017008190	(87) KR2018002789	United States of America
22.03.2018	11.10.2018	(51) H01M 2/16
(22) 28.07.2017	(22) 08.03.2018	H01M 8/18
(54) BATTERY PACK AND VEHICLE	(54) METHOD FOR MANUFACTURING	H01M 8/20
INCLUDING BATTERY PACK	LITHIUM SECONDARY BATTERY	H01M 8/1025
(73) LG Chem, Ltd.	(73) LG Chem, Ltd.	H01M 8/1027
(72) AN, Hyuk	(72) YOU, Min-Kyu	H01M 8/103
PARK, Jun-Kyu	KANG, Sung-Joong	H01M 8/1032
EOM, Young-Sop	KIM, Ju-Ryoun	(11) EP3223340
SEONG, Jun-Yeob	UHM, In-Sung	(21) EP17161778.0
(31) 20160119290	(31) 20170044955	(47) 16.09.2020
(32) 19.09.2016	(32) 06.04.2017	(22) 20.03.2017
(33) Korea (Republic)	(33) Korea (Republic)	(54) SEPARATOR LAYER FOR FLOW
(51) H01M 2/02	(51) H01M 2/10	BATTERY
H01M 2/10	H01M 10/42	(73) United Technologies Corporation
H01M 10/052	H01M 10/48	(72) EASTMAN, Scott Alan
H01M 10/058	(11) EP3331055	XIE, Wei
(11) EP3340333	(21) EP16202176.0	PERRY, Michael L.
(21) EP16868834.9	(47) 16.09.2020	(31) 201615079239
(47) 16.09.2020	(22) 05.12.2016	(32) 24.03.2016
(87) KR2016013318	(54) BATTERY SYSTEM INCLUDING	(33) United States of America
01.06.2017	REMOVABLE BATTERY COMPONENT	(51) H01M 2/16
(22) 18.11.2016	CARRIERS	H01M 10/06
(54) CURVED BATTERY CELL HAVING	(73) Samsung SDI Co., Ltd.	(11) EP3425697
LESS STRUCTURE STRAIN AND	(72) WÜNSCHE, Ralph	(21) EP17759745.7
METHOD FOR MANUFACTURING THE	KLOMBERG, Stephan	(47) 16.09.2020
SAME	BRANDNER, Thomas	(87) JP2017006395
(73) LG Chem, Ltd.	RENGER, Thomas	08.09.2017
(72) CHO, Won Bin	KILLMANN, Jörg	(22) 21.02.2017
WANG, Zisheng	KOJC, Miran	(54) NONWOVEN FABRIC SEPARATOR
LEE, Jin Woo	(51) H01M 2/10	FOR LEAD STORAGE BATTERY, AND
JUNG, Ji Sub	H01M 10/613	LEAD STORAGE BATTERY USING
CHOO, Hyun Jae	H01M 10/625	SAME
(31) 20150163991	H01M 10/6551	(73) Asahi Kasei Kabushiki Kaisha
(32) 23.11.2015	H01M 10/6554	(72) KUSAKABE, Junichi
(33) Korea (Republic)	H01M 10/6555	AMANO, Seiichi
(51) H01M 2/02	H01M 10/6556	KATO, Kazufumi
H01M 2/34	H01M 10/6568	(31) 2016037971
H01M 4/66	(11) EP3534454	(32) 29.02.2016
H01M 10/04	(21) EP18183455.7	(33) Japan
H01M 10/42	(47) 16.09.2020	(51) H01M 2/26
H01M 10/0583	(22) 13.07.2018	(11) EP3514858
(11) EP3503279	(54) INTEGRATED BATTERY COOLING	(21) EP18205838.8
(21) EP18828206.5	SYSTEM	(47) 16.09.2020
(47) 16.09.2020	(73) Hyundai Motor Company	(22) 13.11.2018
(87) KR2018005213	Kia Motors Corporation	(54) SECONDARY BATTERY
10.01.2019	(72) LIM, Hae Kyu	(73) Samsung SDI Co., Ltd.
(22) 04.05.2018	KIM, Yong Jae	(72) Lee, Hyun Soo
(54) SECONDARY BATTERY	CHOI, Yong Hwan	Oh, Jeong Won
(73) LG Chem, Ltd.	(31) 20180025119	Byun, Sang Won
(72) YUN, Su Hyun	(32) 02.03.2018	(31) 20180006230
KANG, Kyoung Won	(33) Korea (Republic)	(32) 17.01.2018
KIM, Ki Woong	(51) H01M 2/16	(33) Korea (Republic)
OH, Jung Shik	H01M 4/58	(51) H01M 2/34
(31) 20170086050	H01M 10/052	H01M 10/42

H01M 10/44	(51) H01M 4/12	(47) 16.09.2020
H01M 10/48	H01M 4/36	(22) 22.12.2017
B60L 3/00	H01M 4/62	(54) LIQUID ELECTROLYTE FORMULATION
B60L 50/64	H01M 10/30	FOR LITHIUM METAL SECONDARY
B60L 58/10	H01M 10/42	BATTERY AND LITHIUM METAL
(11) EP3259797	H01M 12/06	SECONDARY BATTERY COMPRISING
(21) EP16704229.0	H01M 12/08	THE SAME
(47) 16.09.2020	(11) EP3355394	(73) Belenos Clean Power Holding AG
(87) EP2016053082	(21) EP18156492.3	(72) Mettan, Yoann
25.08.2016	(47) 16.09.2020	<hr/>
(22) 12.02.2016	(22) 15.06.2012	(51) H01M 6/50
(54) BATTERY CELL FOR A BATTERY OF	(54) HIGH EFFICIENCY IRON ELECTRODE	H01M 10/613
A MOTOR VEHICLE, BATTERY AND	AND ADDITIVES FOR USE IN	H01M 10/6551
MOTOR VEHICLE	RECHARGEABLE IRON-BASED	H01M 10/6552
(73) Audi AG	BATTERIES	H01M 10/6568
(72) HINTERBERGER, Michael	(73) University of Southern California	(11) EP3474367
HELLENTHAL, Berthold	(72) Narayan, Sri R	(21) EP17204989.2
(31) 102015002080	Prakash, G.K. Surya	(47) 16.09.2020
(32) 18.02.2015	Aniszfeld, Robert	(22) 01.12.2017
(33) Germany	Manohar, Aswin	(54) BATTERY MODULE FOR VEHICLE
<hr/>	Malkhandi, Souradip	(73) Hyundai Motor Company
(51) H01M 2/34	Yang, Bo	Kia Motors Corporation
H02H 11/00	(31) 201161497454 P	(72) JEON, Yoon Cheol
H02J 7/00	(32) 15.06.2011	KIM, Min Wook
(11) EP3164927	(33) United States of America	KIM, Dal
(21) EP15732679.4	<hr/>	(31) 20170136250
(47) 16.09.2020	(51) H01M 4/14	(32) 20.10.2017
(87) EP2015064728	H01M 4/62	(33) Korea (Republic)
07.01.2016	H01M 10/06	<hr/>
(22) 29.06.2015	(11) EP3059789	(51) H01M 8/0202
(54) APPARATUS TO PROVIDE REVERSE	(21) EP16155407.6	H01M 8/0206
POLARITY PROTECTION	(47) 16.09.2020	H01M 8/0232
(73) Aptiv Technologies Limited	(22) 12.02.2016	H01M 8/12
(72) VOIGT, Wolfgang	(54) LEAD-ACID BATTERY	H01M 8/124
PARRAS, Karl-Heinz	(73) GS Yuasa International Ltd.	H01M 8/24
(31) 14175357	(72) INAGAKI, Satoshi	H01M 8/2432
(32) 02.07.2014	KYO, Masaaki	(11) EP3429005
(33) European Patent Office (EPO)	(31) 2015029555	(21) EP16893589.8
<hr/>	2015248243	(47) 16.09.2020
(51) H01M 4/02	(32) 18.02.2015	(87) JP2016083030
H01M 10/42	21.12.2015	14.09.2017
H01M 4/131	(33) Japan	(22) 08.11.2016
H01M 4/133	Japan	(54) SOLID OXIDE FUEL CELL
H01M 4/136	<hr/>	(73) Nissan Motor Co., Ltd.
H01M 4/485	(51) H01M 4/36	(72) YAJIMA, Kentarou
H01M 4/505	H01M 4/38	YANAGISAWA, Masanari
H01M 4/525	H01M 4/587	(31) 2016048357
H01M 4/58	H01M 10/052	(32) 11.03.2016
H01M 4/587	C01B 32/20	(33) Japan
H01M 10/0525	(11) EP2750224	<hr/>
H01M 10/0566	(21) EP12825613.8	(51) H01M 8/0206
B60L 3/00	(47) 16.09.2020	H01M 8/0213
(11) EP2887433	(87) JP2012070942	H01M 8/0247
(21) EP14198862.6	28.02.2013	H01M 8/0258
(47) 16.09.2020	(22) 10.08.2012	H01M 8/2483
(22) 24.09.2010	(54) COMPOSITE ACTIVE MATERIAL FOR	(11) EP3375033
(54) Nonaqueous electrolyte battery, battery	LITHIUM SECONDARY BATTERIES	(21) EP15804591.4
pack and vehicle	AND METHOD FOR PRODUCING	(47) 16.09.2020
(73) KABUSHIKI KAISHA TOSHIBA	SAME	(87) IB2015058773
(72) Ishii, Haruchika	(73) Connexx Systems Corporation	18.05.2017
Arikawa, Toshihide	(72) KACHI, Naoyoshi	(22) 13.11.2015
Tahara, Hirotada	(31) 2011180041	(54) BIPOLAR SEPARATOR FOR A FUEL
Shikota, Masataka	(32) 22.08.2011	CELL
Takanezawa, Kazuko	(33) Japan	(73) Greengt SA
Inagaki, Hiroki	(51) H01M 4/38	(72) WEBER, Jean-françois
Kikuma, Yuichi	H01M 10/052	<hr/>
Asami, Yoshiaki	H01M 10/0567	(51) H01M 8/18
(31) 2009221305	H01M 10/0569	H01M 8/0206
(32) 25.09.2009	(11) EP3503268	H01M 8/0228
(33) Japan	(21) EP17210329.3	(11) EP3539176
		(21) EP17804105.9
		(47) 16.09.2020

(87) EP2017078743 17.05.2018	(22) 24.05.2019	G01R 31/36
(22) 09.11.2017	(54) FUEL CELL SYSTEM	(11) EP3141919
(54) TERMINATION ASSEMBLY OF A CELL STACK OF A REDOX FLOW BATTERY	(73) Panasonic Intellectual Property Management Co., Ltd.	(21) EP15855064.0
(73) Enerox GmbH	(72) TAMURA, Satoru	(47) 16.09.2020
(72) WHITEHEAD, Adam Harding	FAYOLLE, Marine	(87) KR2015011590
HARRER, Martin	(31) 2018111810	06.05.2016
POKORNY, Peter	(32) 12.06.2018	(22) 30.10.2015
TRAMPERT, Markus	(33) Japan	(54) APPARATUS AND METHOD FOR ESTIMATING OPEN CIRCUIT VOLTAGE
(31) 510262016	(51) H01M 10/04	(73) LG Chem, Ltd.
(32) 11.11.2016	H01M 4/13	(72) YOON, Sung-Yul
(33) Austria	H01M 10/052	PARK, Jeong-Seok
(51) H01M 8/18	H01M 10/0562	OH, Gyong-Jin
H01M 8/04186	H01M 10/0565	CHO, Young-Bo
H01M 8/04276	H01M 10/0585	(31) 20140150328
H01M 8/1023	(11) EP2248218	(32) 31.10.2014
H01M 8/1039	(21) EP08780444.9	(33) Korea (Republic)
(11) EP3284129	(47) 16.09.2020	(51) H01P 5/12
(21) EP16780674.4	(87) US2008054894	H03F 3/21
(47) 16.09.2020	03.09.2009	H03F 3/60
(87) US2016027366	(22) 25.02.2008	H05K 7/18
20.10.2016	(54) HOMOGENEOUS, DUAL LAYER, SOLID STATE, THIN FILM	(11) EP3382893
(22) 13.04.2016	DEPOSITION FOR STRUCTURAL AND/OR ELECTROCHEMICAL	(21) EP17163058.5
(54) FLOW BATTERY BALANCING CELLS HAVING A BIPOLAR MEMBRANE FOR SIMULTANEOUS MODIFICATION OF A NEGATIVE ELECTROLYTE SOLUTION AND A POSITIVE ELECTROLYTE SOLUTION	CHARACTERISTICS	(47) 16.09.2020
(73) Lockheed Martin Energy, LLC	(73) Alliance for Sustainable Energy, LLC	(22) 27.03.2017
(72) REECE, Steven Y.	(72) PITTS, J. Roland	(54) RACK COMPRISING A HIGH POWER RF AMPLIFIER
GOELTZ, John	LEE, Se-hee	(73) Ion Beam Applications
PIJPERS, Joseph Johannes Henricus	TRACY, C. Edwin	(72) ABS, Michel
BADRINARAYANAN, Paravastu	LI, Wenming	JOASSIN, Denis
(31) 201562147034 P	(51) H01M 10/052	(51) H01Q 1/00
201562206933 P	H01M 10/054	H01Q 1/24
(32) 14.04.2015	H01M 10/0567	H01Q 1/48
19.08.2015	H01M 10/0568	H01Q 9/04
(33) United States of America	H01M 10/0569	H01Q 19/10
United States of America	(11) EP3043410	(11) EP3214696
(51) H01M 8/18	(21) EP15202780.1	(21) EP14906731.6
H01M 8/04186	(47) 16.09.2020	(47) 16.09.2020
H01M 8/04858	(22) 28.12.2015	(87) CN2014092336
(11) EP3111501	(54) USE OF A LIQUID ELECTROLYTE FOR LITHIUM BATTERY AND LITHIUM BATTERY WITH SAID LIQUID ELECTROLYTE	02.06.2016
(21) EP15755067.4	(73) Toyota Jidosha Kabushiki Kaisha	(22) 27.11.2014
(47) 16.09.2020	Kyoto University	(54) ANTENNA ASSEMBLY, ANTENNA, AND SMALL-CELL BASE STATION
(87) US2015017739	(72) NAKAMOTO, Hirofumi	(73) HUAWAI TECHNOLOGIES CO., LTD.
03.09.2015	OGUMI, Zempachi	(72) ZHAO, Shuchen
(22) 26.02.2015	ABE, Takeshi	SHI, Rongtao
(54) FLOW CELL WITH SHUNT CURRENT COUNTER ELECTRODE	(31) 2015003213	DENG, Changshun
(73) Vizn Energy Systems Inc.	(32) 09.01.2015	LONG, Ke
(72) TARRANT, Derek C.	(33) Japan	(51) H01Q 1/24
BENDERT, Richard M.	(51) H01M 10/42	H01Q 1/38
BACKER, Gerald P.	H01M 10/44	H01Q 1/40
(31) 201414192191	H02J 7/00	H01Q 1/52
(32) 27.02.2014	(11) EP2410628	H01Q 21/00
(33) United States of America	(21) EP11165366.3	H04M 1/02
(51) H01M 8/18	(47) 16.09.2020	(11) EP3525284
H01M 8/20	(22) 09.05.2011	(21) EP17874039.5
H01M 8/04007	(54) Apparatus to charge a battery	(47) 16.09.2020
H01M 8/04014	(73) Samsung Electronics Co., Ltd.	(87) KR2017013179
H01M 8/04186	(72) Lee, Chang-hum	31.05.2018
H01M 8/0612	Park, Jeong-gyu	(22) 20.11.2017
(11) EP3582312	Choi, Hyung-wook	(54) ANTENNA DEVICE AND ELECTRONIC DEVICE INCLUDING SAME
(21) EP19176331.7	(31) 20100071536	(73) Samsung Electronics Co., Ltd.
(47) 16.09.2020	(32) 23.07.2010	(72) HA, Dohyuk
	(33) Korea (Republic)	KUM, Junsig
	(51) H01M 10/48	LEE, Jungyub
		LEE, Youngju
		(31) 20160156609

(32) 23.11.2016	(31) 20130132468	WHELAN, David A.
(33) Korea (Republic)	(32) 01.11.2013	GRAJEK, Phillip R.
(51) H01Q 1/24	(33) Korea (Republic)	(31) 201615374808
H01Q 1/38	(51) H01Q 1/24	(32) 09.12.2016
H01Q 1/52	H01Q 3/44	(33) United States of America
H01Q 21/06	H01Q 9/42	(51) H01Q 1/38
H01Q 21/26	H01Q 25/04	H01Q 3/46
(11) EP3245691	H04W 40/12	H01Q 15/00
(21) EP15727274.1	H04B 7/10	H01Q 15/14
(47) 16.09.2020	(11) EP3120418	(11) EP3223369
(87) US2015033013	(21) EP15765566.3	(21) EP15861214.3
21.07.2016	(47) 16.09.2020	(47) 16.09.2020
(22) 28.05.2015	(87) US2015021345	(87) KR2015007007
(54) LOW COMMON MODE RESONANCE	24.09.2015	26.05.2016
MULTIBAND RADIATING ARRAY	(22) 18.03.2015	(22) 07.07.2015
(73) Commscope Technologies LLC	(54) MODAL ANTENNA BASED	(54) RE-RADIATION REPEATER
(72) SHOOSHTARI, Alireza	COMMUNICATION NETWORK AND	(73) Samsung Electronics Co., Ltd.
ZIMMERMAN, Martin, L.	METHODS FOR OPTIMIZATION	(72) KIM, Hyun-Jin
BISIULES, Peter, J.	THEREOF	KIM, Byung-Chul
(31) 201562103799 P	(73) Ethertronics, Inc.	LEE, Young-Ju
(32) 15.01.2015	(72) DESCLOS, Laurent	CHOI, Dong-Kyu
(33) United States of America	SHAMBLIN, Jeffrey	(31) 20140162729
(51) H01Q 1/24	(31) 201461955163 P	(32) 20.11.2014
H01Q 1/44	(32) 18.03.2014	(33) Korea (Republic)
H03K 17/955	(33) United States of America	(51) H01Q 25/00
(11) EP3016286	(51) H01Q 1/24	H04B 7/06
(21) EP15157227.8	H01Q 21/29	H04B 7/0413
(47) 16.09.2020	H01Q 25/02	(11) EP3314699
(22) 02.03.2015	H04B 7/06	(21) EP15736215.3
(54) Method and device for reducing radio	H04B 7/08	(47) 16.09.2020
frequency interference of proximity and	H04B 7/10	(87) EP2015064472
touch detection in mobile devices	(11) EP1455412	29.12.2016
(73) Semtech Corporation	(21) EP04002405.1	(22) 25.06.2015
(72) Rouaissia, Chaouki	(47) 16.09.2020	(54) INTERFERENCE MITIGATION IN
Vandel, Eric	(22) 04.02.2004	MULTIPLE INPUT MULTIPLE OUTPUT
(31) 201414530156	(54) Angle diversity dual antenna system	SYSTEMS
(32) 31.10.2014	(73) Alcatel Lucent	(73) Telefonaktiebolaget LM Ericsson (publ)
(33) United States of America	(72) Lecuyer, Frederic	(72) OLSSON, Bengt-Erik
(51) H01Q 1/24	(31) 366397	BAO, Lei
H01Q 1/48	(32) 14.02.2003	(51) H01R 4/20
H01Q 1/52	(33) United States of America	H01R 9/05
H01Q 19/10	(51) H01Q 1/24	H01R 43/048
H01Q 21/00	H04B 1/3827	(11) EP3573186
(11) EP3343700	H02J 50/10	(21) EP19169700.2
(21) EP15904363.7	(11) EP3113372	(47) 16.09.2020
(47) 16.09.2020	(21) EP16176948.4	(22) 17.04.2019
(87) CN2015090404	(47) 16.09.2020	(54) TERMINAL CRIMPING METHOD AND
30.03.2017	(22) 29.06.2016	TERMINAL CRIMPING STRUCTURE
(22) 23.09.2015	(54) DEVICE FOR SHIELDING AND	(73) YAZAKI CORPORATION
(54) ANTENNA RADIATION UNIT AND	CONVERTING THE ENERGY OF AN	(72) MASUDA, Satoki
ANTENNA	ELECTROMAGNETIC FIELD	SATO, Yoshinao
(73) Huawei Technologies Co., Ltd.	(73) BDM Innovative GmbH	IDA, Takeo
(72) DAOJIAN, Dingjiu	(72) MEHLHORN, Johannes	HAYASHI, Junpei
XIAO, Weihong	(31) 102015110771	(31) 2018097222
YU, Yanmin	(32) 03.07.2015	(32) 21.05.2018
LUO, Wei	(33) Germany	(33) Japan
(51) H01Q 1/24	(51) H01Q 1/28	(51) H01R 4/48
H01Q 1/52	H01Q 3/26	H01R 4/50
H01Q 17/00	H01Q 25/00	(11) EP3501063
(11) EP2869398	H04B 7/185	(21) EP16782037.2
(21) EP14173420.2	(11) EP3333974	(47) 16.09.2020
(47) 16.09.2020	(21) EP17200763.5	(87) EP2016074412
(22) 23.06.2014	(47) 16.09.2020	19.04.2018
(54) Display module including antenna	(22) 09.11.2017	(22) 12.10.2016
(73) Samsung Electronics Co., Ltd	(54) PHASED ARRAY ANTENNAS FOR	(54) ELECTRICAL CONTACT
(72) Park, Soon	HIGH ALTITUDE PLATFORMS	ARRANGEMENT AND METHOD
Park, Jong-Hyun	(73) The Boeing Company	FOR ESTABLISHING ELECTRICAL
Heo, Yong	(72) FERIA, Ying J.	CONTACT

(73) Siemens Aktiengesellschaft	H01R 13/627	H01R 13/6592
(72) BÖHM, Matthias	(11) EP3065232	H01B 7/00
SCHMITT, Daniel	(21) EP13896239.4	H01B 7/17
(51) H01R 4/62	(47) 16.09.2020	H01B 11/06
H05B 3/84	(87) JP2013006473	H01B 13/00
(11) EP3500063	07.05.2015	H05K 9/00
(21) EP19152140.0	(22) 31.10.2013	(11) EP3232447
(47) 16.09.2020	(54) SOCKET AND CONNECTOR USING	(21) EP15868092.6
(22) 17.04.2012	SUCH SOCKET	(47) 16.09.2020
(54) PANE WITH ELECTRIC CONNECTION	(73) Panasonic Intellectual Property	(87) JP2015081744
ELEMENT	Management Co., Ltd.	16.06.2016
(73) SAINT-GOBAIN GLASS FRANCE	(72) MIYAZAKI, Yoji	(22) 11.11.2015
(72) DEGEN, Christoph	(51) H01R 12/91	(54) CABLE ASSEMBLY AND CABLE
REUL, Bernhard	H01R 24/50	ASSEMBLY MANUFACTURING
RATEICZAK, Mitja	H01R 13/24	METHOD
SCHLARB, Andreas	H01R 103/00	(73) Hosiden Corporation
LESMEISTER, Lothar	(11) EP3547459	(72) KONDO, Hayato
(31) 11165504	(21) EP19163690.1	(31) 2014249252
11165506	(47) 16.09.2020	(32) 09.12.2014
(32) 10.05.2011	(22) 19.03.2019	(33) Japan
10.05.2011	(54) BOARD MATING CONNECTOR IN	(51) H01R 13/6581
(33) European Patent Office (EPO)	WHICH SIGNAL CONTACT UNIT	H01R 24/38
European Patent Office (EPO)	AND GROUND CONTACT UNIT ARE	H01R 24/54
(51) H01R 9/24	INTERLOCKED	G01N 21/88
H01R 9/28	(73) Gigalane Co., Ltd.	G01N 21/95
H01R 13/447	(72) SONG, Hwa Yoon	H01R 13/641
H02B 1/052	LEE, Jin Uk	H01R 103/00
(11) EP3247010	CHA, Sun Hwa	G01R 31/52
(21) EP16191898.2	YANG, Chang Hyun	G01R 31/54
(47) 16.09.2020	KIM, Eun Jung	G01R 31/58
(22) 30.09.2016	JUNG, Kyung Hun	G01R 31/69
(54) DEVICE FOR FIXING AN OBJECT TO A	JUNG, Hee seok	(11) EP3411930
RAIL	(31) 20180034834	(21) EP17747934.2
(73) Wöhner GmbH & Co. KG	(32) 27.03.2018	(47) 16.09.2020
Elektrotechnische Systeme	(33) Korea (Republic)	(87) US2017014863
(72) STEINBERGER, Philipp	(51) H01R 13/627	10.08.2017
MASEL, Joram	H01R 13/639	(22) 25.01.2017
(31) 16169977	H01R 13/641	(54) RIGHT ANGLED COAXIAL
(32) 17.05.2016	(11) EP3407436	ELECTRICAL CONNECTOR AND
(33) European Patent Office (EPO)	(21) EP18173718.0	METHODS FOR VERIFYING PROPER
(51) H01R 12/58	(47) 16.09.2020	ASSEMBLY THEREOF
B32B 15/01	(22) 23.05.2018	(73) Aptiv Technologies Limited
C25D 3/12	(54) ELECTRICAL CONNECTOR DEVICE	(72) MORELLO, John R.
C25D 5/20	(73) TE Connectivity Italia Distribution S.r.l.	RAINEY, James M.
C25D 5/34	(72) GENTA, Alessandro	(31) 201615011957
C25D 7/00	SPINCICH, Demis	(32) 01.02.2016
H01R 13/03	(31) 201700057099	(33) United States of America
(11) EP3428324	(32) 25.05.2017	(51) H01R 13/6583
(21) EP16893612.8	(33) Italy	H01R 24/62
(47) 16.09.2020	(51) H01R 13/639	H01R 24/64
(87) JP2016085438	B60K 1/04	H01R 13/453
14.09.2017	B60L 50/60	H01R 13/46
(22) 29.11.2016	B60L 53/16	H01R 4/2433
(54) NI-PLATED COPPER OR COPPER	(11) EP3079211	(11) EP3132510
ALLOY MATERIAL, AND CONNECTOR	(21) EP16171165.0	(21) EP15780127.5
TERMINAL, CONNECTOR, AND	(47) 16.09.2020	(47) 16.09.2020
ELECTRONIC COMPONENT IN WHICH	(22) 05.06.2013	(87) US2015025621
SAME IS USED	(54) CHARGING PORT DEVICE FOR	22.10.2015
(73) JX Nippon Mining & Metals Corporation	ELECTRIC VEHICLE	(22) 13.04.2015
(72) ENDO, Satoru	(73) NISSAN MOTOR CO., LTD.	(54) COMMUNICATION OUTLET WITH
(31) 2016046074	Mitsuba Corporation	SHUTTER MECHANISM AND WIRE
(32) 09.03.2016	(72) NAKAJIMA, Tsuyoshi	MANAGER
(33) Japan	MARUYAMA, Tsuyoshi	(73) Leviton Manufacturing Company, Inc.
(51) H01R 12/70	SENDA, Hiroyuki	(72) BRAGG, Charles
H01R 12/71	(31) 2012150972	(31) 201461979426 P
H01R 12/73	(32) 05.07.2012	(32) 14.04.2014
H01R 13/20	(33) Japan	(33) United States of America
H01R 13/24	(51) H01R 13/6473	(51) H01R 13/6598

H01R 24/50	TRANSIENT TYPE IN AN ELECTRIC	(32) 26.03.2015
H01R 13/405	DISTRIBUTION NETWORK	(33) United States of America
(11) EP3235064	(73) Arcteq Relays Oy	(51) H02H 9/04
(21) EP15813490.8	(72) VIRTALA, Tero	H02J 7/02
(47) 16.09.2020	(31) 20145944	(11) EP2963766
(87) GB2015053769	(32) 28.10.2014	(21) EP15171659.4
23.06.2016	(33) Finland	(47) 16.09.2020
(22) 09.12.2015	(51) H02H 3/05	(22) 08.01.2013
(54) CONNECTOR ASSEMBLY AND	H02H 7/18	(54) OVER-VOLTAGE PROTECTION
RELATED METHOD	H02J 7/00	DEVICE FOR RESONANT WIRELESS
(73) ETL Systems Ltd	H03K 17/041	POWER TRANSMISSION DEVICE
(72) BAYAR, Esen	H03K 17/687	AND METHOD FOR CONTROLLING
MAPP, Daniel	(11) EP3190680	THE OVER-VOLTAGE PROTECTION
(31) 201422526	(21) EP17150568.8	DEVICE
(32) 17.12.2014	(47) 16.09.2020	(73) Samsung Electronics Co., Ltd
(33) United Kingdom	(22) 06.01.2017	(72) Kim, Yu-Su
(51) H01R 24/38	(54) BATTERY PROTECTION CIRCUIT	Park, Se-Ho
H01R 13/03	(73) Samsung SDI Co., Ltd	Byun, Kang-Ho
H01R 13/05	(72) JIN, Kyong-Pil	Yeo, Sung-Ku
H01R 13/26	LEE, Myung-Sang	(31) 20120003341
H01R 43/24	(31) 20160002271	(32) 11.01.2012
A24F 47/00	(32) 07.01.2016	(33) Korea (Republic)
(11) EP3537902	(33) Korea (Republic)	(51) H02H 9/04
(21) EP17797156.1	(51) H02H 7/085	H04M 1/00
(47) 16.09.2020	G06F 17/00	H04M 1/18
(87) EP2017078961	(11) EP3503333	(11) EP3387723
17.05.2018	(21) EP17210129.7	(21) EP17700044.5
(22) 10.11.2017	(47) 16.09.2020	(47) 16.09.2020
(54) ELECTRONIC VAPING DEVICE AND	(22) 22.12.2017	(87) EP2017050098
CONNECTOR ASSEMBLY	(54) CONTROLLING A MOTOR OF	13.07.2017
(73) Philip Morris Products S.A.	A CLOSURE AND/OR BLIND IN	(22) 04.01.2017
(72) BENNETT, David	A VEHICLE BODY BASED ON A	(54) SURGE PROTECTION CIRCUIT AND
MCKENNA, Kelli	DISTURBANCE OBSERVER SIGNAL	SURGE PROTECTION METHOD
NELSON, Greg	(73) Inalfa Roof Systems Group B.V.	(73) Siemens Aktiengesellschaft
PATIL, Bipin	(72) Craane, Dennie Wilhelmus Hendrikus	(72) CHEMISKY, Eric
SUNDAR, Rangaraj	(51) H02H 9/00	HU, Fei Huang
SUNDBERG, Sean	H02H 9/04	MIN, Ling Bao
(31) 201615349377	(11) EP2701259	ZHUO, Yue
(32) 11.11.2016	(21) EP13169096.8	(31) 201610012309
(33) United States of America	(47) 16.09.2020	(32) 08.01.2016
(51) H01R 24/40	(22) 24.05.2013	(33) China
H01R 24/54	(54) Series type surge suppressor and	(51) H02J 1/12
H01R 43/16	clamping circuit	(11) EP3392994
(11) EP3206265	(73) Legrand AV Inc.	(21) EP17167094.6
(21) EP17000200.0	(72) Walsh, Brendan	(47) 16.09.2020
(47) 16.09.2020	Corter, Walter	(22) 19.04.2017
(22) 09.02.2017	(31) 201261646613 P	(54) METHOD FOR LOAD FLOW
(54) ANGLED CONNECTOR AND A	201261654610 P	REGULATION WITHIN A DIRECT
METHOD FOR ASSEMBLING	201213673526	CURRENT NETWORK
(73) Yamaichi Electronics Deutschland GmbH	(32) 14.05.2012	(73) Siemens Aktiengesellschaft
(72) Wessels, Dagmar	01.06.2012	(72) Döring, David
Quiter, Michael	09.11.2012	Ebner, Günter
(31) 102016001466	(33) United States of America	Würflinger, Klaus
(32) 09.02.2016	United States of America	Zeller, Marcus
(33) Germany	United States of America	(51) H02J 3/01
(51) H02H 1/00	(51) H02H 9/02	H02J 3/38
H02H 3/40	(11) EP3073625	(11) EP3422521
H02H 7/28	(21) EP16162330.1	(21) EP16891473.7
G01R 31/08	(47) 16.09.2020	(47) 16.09.2020
(11) EP3213381	(22) 24.03.2016	(87) JP2016055581
(21) EP15805554.1	(54) VOLTAGE REGULATOR INCLUDING A	31.08.2017
(47) 16.09.2020	BUCK CONVERTER PASS SWITCH	(22) 25.02.2016
(87) FI2015050737	(73) Hamilton Sundstrand Corporation	(54) GRID LINKAGE FACILITY
06.05.2016	(72) FOX, Brennan	(73) Kabushiki Kaisha Toshiba
(22) 27.10.2015	THORNTON, Christopher Derek	Toshiba Energy Systems & Solutions
(54) METHOD AND PROTECTION DEVICE	PETERSEN, Kevin C.	Corporation
FOR ELIMINATING EARTH FAULTS OF	VANDERGRIFT, Adrian E.	(72) KUBOTA, Masayuki
	(31) 201514669519	TANNO, Tsutomu

MIZUTANI, Mami	(32) 04.10.2017	(73) EEBC European Electrical Bus Company GmbH
NAOI, Shinya	(33) Germany	
KIUCHI, Masako	(51) H02J 3/38	(72) Balensiefen, Tobias
OTSUKI, Midori	H02M 3/28	(31) 102017006856
SHIMADA, Kazuyoshi	H02M 5/458	102017009774
(51) H02J 3/14	H02M 7/48	102017010418
H04L 12/28	(11) EP3174189	102017126806
(11) EP3375146	(21) EP15824570.4	(32) 21.07.2017
(21) EP15798246.3	(47) 16.09.2020	20.10.2017
(47) 16.09.2020	(87) JP2015070739	10.11.2017
(87) IB2015058720	28.01.2016	15.11.2017
18.05.2017	(22) 21.07.2015	(33) Germany
(22) 11.11.2015	(54) POWER TRANSMISSION DEVICE	Germany
(54) SYSTEMS AND METHODS RELATING TO A SMART HOME MANAGER	(73) NTN Corporation	Germany
(73) Telefonaktiebolaget LM Ericsson (publ)	(72) MIZUTANI, Masatoshi	Germany
(72) FARRAHI MOGHADDAM, Reza	NODA, Hiroyuki	
LEMIEUX, Yves	MORI, Natsuhiko	(51) H02J 7/00
CHERIET, Mohamed	KAWAI, Tomoya	B60L 58/12
(51) H02J 3/18	(31) 2014150742	G01R 31/3835
H02J 3/38	2014151622	G01R 31/392
H02M 1/12	(32) 24.07.2014	(11) EP3048694
H02M 1/15	25.07.2014	(21) EP15187243.9
H02M 7/10	(33) Japan	(47) 16.09.2020
H02M 1/42	Japan	(22) 29.09.2015
H02M 7/483	(51) H02J 3/38	(54) METHOD AND APPARATUS ESTIMATING STATE OF BATTERY
(11) EP3514936	H04B 3/54	(73) Samsung Electronics Co., Ltd.
(21) EP18807841.4	(11) EP3251191	(72) KIM, Jinho
(47) 16.09.2020	(21) EP16705620.9	SONG, Tae Won
(87) CN2018114938	(47) 16.09.2020	LIM, Ju Wan
13.06.2019	(87) US2016015309	(31) 20150010692
(22) 11.11.2018	04.08.2016	(32) 22.01.2015
(54) HYBRID DC CONVERTER FOR OFFSHORE WIND FARM	(22) 28.01.2016	(33) Korea (Republic)
(73) Shanghai Jiao Tong University	(54) ENERGY PANEL ARRANGEMENT SHUTDOWN	(51) H02J 7/00
(72) CAI, Xu	(73) MARICI Holdings The Netherlands B.V.	H02J 7/02
CHANG, Yiran	(72) WHITE, Paul, Michael	H02J 50/12
(31) 201711288924	KHARE, Sagar, Arun	(11) EP3347966
(32) 07.12.2017	OZGA, Sarah, Jean	(21) EP16871008.5
(33) China	(31) 201562108758 P	(47) 16.09.2020
(51) H02J 3/18	(32) 28.01.2015	(87) KR2016013889
H02M 1/42	(33) United States of America	08.06.2017
(11) EP3416258	(51) H02J 3/42	(22) 29.11.2016
(21) EP18174197.6	H02P 9/10	(54) WIRELESS POWER RECEIVER AND METHOD FOR CONTROLLING THE WIRELESS POWER RECEIVER
(47) 16.09.2020	H02P 101/30	(73) Samsung Electronics Co., Ltd.
(22) 24.05.2018	(11) EP3429052	(72) KIM, Dong-Zo
(54) HVAC AND/OR REFRIGERATION USING POWER FACTOR CORRECTION	(21) EP16893368.7	KIM, Bong-Chul
(73) Lennox Industries Inc.	(47) 16.09.2020	YEO, Sung-Ku
(72) SUBRAMANIAM, Palanivel	(87) JP2016001225	(31) 20150170141
STYER, Austin Clay	14.09.2017	(32) 01.12.2015
(31) 201715624844	(22) 07.03.2016	(33) Korea (Republic)
(32) 16.06.2017	(54) SYNCHRONOUS POWER-ON/OFF CONTROL METHOD AND SYNCHRONOUS POWER-ON/OFF CONTROLLER	(51) H02J 7/00
(33) United States of America	(73) Kawasaki Jukogyo Kabushiki Kaisha	H02J 50/10
(51) H02J 3/38	(72) GOI, Tatsuhiko	(11) EP3244509
(11) EP3467988	NAKASHIMA, Kenichi	(21) EP17170714.4
(21) EP18184290.7	SUGIMOTO, Kazushige	(47) 16.09.2020
(47) 16.09.2020	HIGASHI, Masaaki	(22) 11.05.2017
(22) 18.07.2018	(51) H02J 7/00	(54) WIRELESS CHARGING AUTOCLAVABLE BATTERIES INSIDE A STERILIZABLE TRAY
(54) DECENTRALISED POWER DISTRIBUTION AND IT HOSTING DEVICE	B60L 53/14	(73) Greatbatch Ltd.
(73) WestfalenWIND IT GmbH & Co. KG	B60L 53/60	(72) JANKINS, Eric
(72) Schomaker, Gunnar	(11) EP3431328	PETERSON, Brian R.
Dubberke, Frithjof	(21) EP18182394.9	DECKER, Gregory G.
Lackmann, Johannes	(47) 16.09.2020	PLANCK, William A.
(31) 102017122963	(22) 09.07.2018	(31) 201662334674 P
	(54) CHARGING METHOD AND SYSTEM FOR ELECTRIC VEHICLE DEPOTS	(32) 11.05.2016
		(33) United States of America

(51) H02J 7/02 H02J 50/10 H02J 50/60 H02J 50/80	(33) Japan Japan	(33) Germany
(11) EP2797207	(51) H02K 3/28 H02K 21/14	(51) H02K 15/095
(21) EP12859637.6	(11) EP2597754	(11) EP3008798
(47) 16.09.2020	(21) EP11809663.5	(21) EP14732097.2
(87) KR2012011324 27.06.2013	(47) 16.09.2020	(47) 16.09.2020
(22) 21.12.2012	(87) JP2011066444 26.01.2012	(87) EP2014061250 18.12.2014
(54) WIRELESS POWER TRANSMISSION DEVICE, AND WIRELESS POWER SIGNAL TRANSMISSION CONTROL METHOD FOR WIRELESS POWER TRANSMISSION DEVICE	(22) 20.07.2011	(22) 30.05.2014
(73) GE Hybrid Technologies, LLC	(54) ROTARY ELECTRICAL MACHINE AND VEHICLE PROVIDED WITH ROTARY ELECTRICAL MACHINE	(54) APPARATUS AND METHOD FOR POSITIONING AND WINDING POLE MEMBERS OF DYNAMO ELECTRIC MACHINES
(72) JUNG, Chun-Kil	(73) Hitachi Automotive Systems, Ltd.	(73) ATOP S.p.A.
(31) 201161579225 P	(72) SAITO, Yasuyuki	(72) PONZIO, Massimo
(32) 22.12.2011	HINO, Noriaki	(31) PI20130052
(33) United States of America	KAIMORI, Tomoaki	(32) 11.06.2013
(51) H02J 7/34	NAKAYAMA, Kenichi	(33) Italy
(11) EP3134954	MORI, Yoshimi	(51) H02K 16/04
(21) EP15719556.1	ODA, Keiji	H02K 41/03
(47) 16.09.2020	(31) 2010163100	(11) EP3306798
(87) US2015026052 29.10.2015	(32) 20.07.2010	(21) EP17195113.0
(22) 16.04.2015	(33) Japan	(47) 16.09.2020
(54) LOAD SCHEDULING IN MULTI- BATTERY DEVICES	(51) H02K 5/06 H02K 11/01 H02K 11/215 H02K 11/30	(22) 06.10.2017
(73) Microsoft Technology Licensing, LLC	(11) EP3474425	(54) LINEAR MOTOR ACTUATORS
(72) HUANG, Bojun	(21) EP18201190.8	(73) Hamilton Sundstrand Corporation
MOSCIBRODA, Thomas	(47) 16.09.2020	(72) AVRITCH, Steven A.
CHANDRA, Ranveer	(22) 18.10.2018	(31) 201615287215
HODGES, Stephen, E.	(54) MOTOR DEVICE	(32) 06.10.2016
MEINERSHAGEN, Julia, L.	(73) JTEKT CORPORATION	(33) United States of America
(31) 201414262205	(72) HIGASHIDE, Tomohiro	(51) H02M 1/00
(32) 25.04.2014	SATO, Yuto	H02M 1/12
(33) United States of America	(31) 2017202774	H02M 1/32
(51) H02J 9/06	(32) 19.10.2017	H02M 7/49
(11) EP3143678	(33) Japan	(11) EP3304710
(21) EP15724860.0	(51) H02K 5/14 H02K 5/15 H02K 5/16 H02K 5/167 H02K 7/08 H02K 15/16	(21) EP16729227.5
(47) 16.09.2020	(11) EP2343793	(47) 16.09.2020
(87) US2015029569 19.11.2015	(21) EP10150334.0	(87) EP2016062831 15.12.2016
(22) 07.05.2015	(47) 16.09.2020	(22) 07.06.2016
(54) FLEXIBLE POWER SUPPORT REDUNDANCY BUSWAY SYSTEM	(22) 08.01.2010	(54) MODULAR MULTILEVEL CONVERTER WITH CASCADED H-BRIDGES AND PHASE-SHIFTED TRANSFORMER GROUPS
(73) Amazon Technologies, Inc.	(54) Connection module for direct current motors	(73) ABB Schweiz AG
(72) KAPLAN, Faran Harold	(73) maxon international ag	(72) SENTURK, Osman
(31) 201414278777	(72) Teimel, Arnold	CAGIENARD, Raphael
(32) 15.05.2014	(51) H02K 5/20 H02K 9/02	ALVAREZ, Silverio
(33) United States of America	(11) EP3058641	(31) 15170989
(51) H02K 3/04 H02K 3/28 H02K 15/085	(21) EP14796415.9	(32) 08.06.2015
(11) EP3217516	(47) 16.09.2020	(33) European Patent Office (EPO)
(21) EP16768905.8	(87) EP2014002759 23.04.2015	(51) H02M 1/00
(47) 16.09.2020	(22) 13.10.2014	H02M 3/156
(87) JP2016059468 29.09.2016	(54) DRIVING DEVICE	H02M 3/335
(22) 24.03.2016	(73) Liebherr-Components Biberach GmbH	(11) EP3331147
(54) ROTATING ELECTRICAL MACHINE	(72) MENDES, Marijo	(21) EP17201473.0
(73) Aisin AW Co., Ltd.	LIS, Johann	(47) 16.09.2020
(72) KOGA, Kiyotaka	DUELLI, Stefan	(22) 14.11.2017
(31) 2015060426	WIDMANN, Roland	(54) CONVERTER CIRCUIT AND CURRENT SENSING
2015065597	(31) 202013009151 U	(73) Tridonic GmbH & Co. KG
(32) 24.03.2015	(32) 16.10.2013	(72) Kelly, Jamie
27.03.2015		Makwana, Deepak
		(31) 201620654
		(32) 30.11.2016
		(33) United Kingdom
		(51) H02M 1/00

H02M 7/48	(22) 05.05.2015	(31) 2010256646
H02M 7/483	(54) VOLTAGE SOURCE CONVERTER WITH IMPROVED OPERATION	(32) 17.11.2010
(11) EP3352359	(73) ABB Power Grids Switzerland AG	(33) Japan
(21) EP15904097.1	(72) SUBRAMANIAN, Sasitharan	(51) H02M 7/5387
(47) 16.09.2020	(51) H02M 1/38	H02P 29/00
(87) JP2015076430	(11) EP2801146	(11) EP2685628
23.03.2017	(11) EP12711219.1	(21) EP13175462.4
(22) 17.09.2015	(21) EP16.09.2020	(47) 16.09.2020
(54) POWER CONVERSION DEVICE	(47) 16.09.2020	(22) 08.07.2013
(73) Mitsubishi Electric Corporation	(87) IB2012000164	(54) Inverter
(72) FUJII, Toshiyuki	11.07.2013	(73) Kabushiki Kaisha Toyota Jidoshokki
JIMICHI, Takushi	(22) 05.01.2012	(72) Ohba, Tomohiro
UDA, Ryosuke	(54) CONVERTER CONTROLLER WITH HALF BRIDGE ADAPTIVE DEAD TIME CIRCUIT AND METHOD	Nagase, Toshiaki
(51) H02M 1/14	(73) Schneider Electric IT Corporation	Yamagami, Tomohiro
H02M 3/155	(72) ROZAND, Daniel	Kanie, Naohito
H02M 7/48	CHAMBON, Patrick	(31) 2012156718
H02M 7/483	DE CESARIS, Stefano	(32) 12.07.2012
(11) EP3346594	(51) H02M 3/02	(33) Japan
(21) EP16841155.1	(11) EP3535839	(51) H02P 6/18
(47) 16.09.2020	(21) EP17777001.3	H02P 21/00
(87) JP2016057005	(47) 16.09.2020	H02P 27/04
09.03.2017	(87) EP2017074275	(11) EP2755319
(22) 07.03.2016	11.05.2018	(21) EP12830805.3
(54) BIDIRECTIONAL CHOPPER CIRCUIT	(22) 26.09.2017	(47) 16.09.2020
(73) Tokyo Institute of Technology	(54) ELECTRICALLY COUPLING A HIGH-VOLTAGE ON-BOARD ELECTRICAL SYSTEM TO A LOW-VOLTAGE ON-BOARD ELECTRICAL SYSTEM	(87) JP2012063004
Toshiba Mitsubishi-Electric Industrial Systems Corporation	(73) Audi AG	14.03.2013
(72) AKAGI, Hirofumi	(72) HINTERBERGER, Michael	(22) 22.05.2012
HAGIWARA, Makoto	HELLENTHAL, Berthold	(54) CONTROL SYSTEM FOR SYNCHRONOUS MOTOR
(31) 2015172771	BLUM, André	(73) Hitachi Industrial Equipment Systems Co., Ltd.
(32) 02.09.2015	FEST, Markus	(72) TAKAHATA Ryoichi
(33) Japan	(31) 102016221514	IWAJI Yoshitaka
(51) H02M 1/14	(32) 03.11.2016	AOYAGI Shigehisa
H02M 3/337	(33) Germany	TOBARI Kazuaki
H02M 7/537	(51) H02M 5/27	(31) 2011195857
H02M 1/44	H02P 9/00	(32) 08.09.2011
(11) EP2824815	(11) EP3160035	(33) Japan
(21) EP12870672.8	(21) EP16193829.5	(51) H02P 6/182
(47) 16.09.2020	(47) 16.09.2020	(11) EP3247036
(87) JP2012001487	(22) 14.10.2016	(21) EP17170833.2
12.09.2013	(54) HYBRID DEVICE WITH SEGMENTED WAVEFORM CONVERTER	(47) 16.09.2020
(22) 05.03.2012	(73) Kohler Co.	(22) 12.05.2017
(54) POWER CONVERSION DEVICE	(72) FRAMPTON, Isaac S.	(54) SENSORLESS CONTROL OF AC INDUCTION MOTOR METHOD AND APPARATUS
(73) Fuji Electric Co., Ltd.	LARSON, Adam	(73) NXP USA, Inc.
Fuji Electric Fa Components & Systems Co., Ltd.	ROTTER, Terrence	(72) LOVAS, Ivan
(72) HAYASHI, Miwako	BAUMANN, Todd	STASZKO, Petr
KAIMI, Takashi	(31) 201514885112	SUSTEK, Pavel
(51) H02M 1/32	201615175761	(31) 201615159292
H02M 7/483	201615287485	(32) 19.05.2016
(11) EP3544163	(32) 16.10.2015	(33) United States of America
(21) EP18163109.4	07.06.2016	(51) H02P 6/182
(47) 16.09.2020	06.10.2016	H02P 29/032
(22) 21.03.2018	(33) United States of America	(11) EP2701301
(54) CONVERTER	United States of America	(21) EP13174603.4
(73) General Electric Technology GmbH	United States of America	(47) 16.09.2020
(72) MUKHEDKAR, Radnya Anant	United States of America	(22) 02.07.2013
SONNATHI, Chandra Mohan	United States of America	(54) Motor driving system
GINNAREDDY, Rajaseker Reddy	(51) H02M 7/06	(73) Fuji Electric Co., Ltd.
(51) H02M 1/32	(11) EP2456061	(72) Kuroda, Takeshi
H02M 7/483	(21) EP11165828.2	Toba, Akio
H02M 7/49	(47) 16.09.2020	(31) 2012185102
H02M 7/493	(22) 12.05.2011	(32) 24.08.2012
(11) EP3292624	(54) Power supply circuit	(33) Japan
(21) EP15722493.2	(73) OHJEC Corporation	(51) H02P 21/13
(47) 16.09.2020	(72) Murai, Yuzo	
(87) EP2015059775		
10.11.2016		

(11) EP3221958	(33) China	(11) EP3048816
(21) EP15797129.2	(51) H03G 3/00	(21) EP14846500.8
(47) 16.09.2020	H03G 3/10	(47) 16.09.2020
(87) FR2015052873	H03G 3/32	(87) KR2014008679
26.05.2016	H03G 5/00	26.03.2015
(22) 26.10.2015	H03G 5/16	(22) 17.09.2014
(54) METHOD FOR CONTROLLING A SYNCHRONOUS ELECTRIC MACHINE WITH A WOUND ROTOR	H03G 7/00	(54) METHOD AND APPARATUS FOR PROCESSING MULTIMEDIA SIGNALS
(73) Renault S.A.S.	H03G 9/02	(73) Wilus Institute of Standards and Technology Inc.
(72) KOTEICH Mohamad MALOUM, Abdelmalek DUC, Gilles SANDOU, Guillaume	H04R 3/04	(72) OH, Hyunoh LEE, Taegyung
(31) 1461121	(11) EP3038255	(31) 201361878638 P
(32) 18.11.2014	(21) EP15194225.7	20130125936
(33) France	(47) 16.09.2020	201361894442 P
(51) H02P 29/60	(22) 12.11.2015	(32) 17.09.2013
(11) EP3503377	(54) AN INTELLIGENT VOLUME CONTROL INTERFACE	22.10.2013
(21) EP18213328.0	(73) Nokia Technologies Oy	23.10.2013
(47) 16.09.2020	(72) OZCAN, Koray VILERMO, Miikka	(33) United States of America Korea (Republic) United States of America
(22) 18.12.2018	(31) 201422926	(51) H03K 5/24
(54) OVERHEATING DETECTION DEVICE	(32) 22.12.2014	H03K 19/094
(73) AISIN SEIKI KABUSHIKI KAISHA	(33) United Kingdom	(11) EP3202038
(72) TSUJI, Takeru	(51) H03G 5/02	(21) EP15782021.8
(31) 2017244226	H03G 9/00	(47) 16.09.2020
(32) 20.12.2017	H03G 9/02	(87) GB2015052883
(33) Japan	H03H 17/02	07.04.2016
(51) H02S 40/32	(11) EP3444946	(22) 01.10.2015
H02S 40/34	(21) EP17785747.1	(54) COMPARATOR
(11) EP2897286	(47) 16.09.2020	(73) PragmatIC Printing Ltd
(21) EP15000079.2	(87) JP2017013072	(72) DE OLIVEIRA, Joao
(47) 16.09.2020	26.10.2017	(31) 201417379
(22) 14.01.2015	(22) 29.03.2017	(32) 01.10.2014
(54) Solar cell module having an integral inverter	(54) ACOUSTIC PROCESSING DEVICE AND ACOUSTIC PROCESSING METHOD	(33) United Kingdom
(73) LG Electronics Inc.	(73) Clarion Co., Ltd.	(51) H03K 17/082
(72) Nam, Hyukjin Jeon, Joonho Kim, Myonghwan Cho, Jinyoung Shin, Daehyun Yoon, Byoungsu Park, Giyob Woo, Byungwook Kim, Jungguen Mun, Hyunrok	(72) WATANABE, Tetsuo HASHIMOTO, Takeshi	(11) EP3472905
(31) 20140005263	(31) 2016083711	(21) EP17814114.9
20140009834	(32) 19.04.2016	(47) 16.09.2020
(32) 15.01.2014	(33) Japan	(87) US2017037733
27.01.2014	(51) H03H 9/10	21.12.2017
(33) Korea (Republic) Korea (Republic)	H03H 9/17	(22) 15.06.2017
(51) H02S 40/34	H03H 9/56	(54) OVERVOLTAGE PROTECTION AND SHORT-CIRCUIT WITHSTANDING FOR GALLIUM NITRIDE DEVICES
(11) EP3035524	(11) EP3217546	(73) Texas Instruments Incorporated
(21) EP15198681.7	(21) EP17158747.0	(72) BAH, Sandeep, R.
(47) 16.09.2020	(47) 16.09.2020	(31) 201615182696
(22) 09.12.2015	(22) 01.03.2017	(32) 15.06.2016
(54) PHOTOVOLTAIC CONNECTION BOX AND PHOTOVOLTAIC ASSEMBLY	(54) THIN-FILM BULK ACOUSTIC RESONATOR, SEMICONDUCTOR APPARATUS COMPRISING OF SUCH AN ACOUSTIC RESONATOR, AND MANUFACTURE THEREOF	(33) United States of America
(73) Tyco Electronics (Shanghai) Co., Ltd. Tyco Electronics Holdings (Bermuda) No. 7 Limited	(73) Semiconductor Manufacturing International (Shanghai) Corporation Semiconductor Manufacturing International (Beijing) Corporation	(51) H03K 17/16
(72) ZHONG, Yuan TAO, Ting KE, Shiyin	(72) HUANG, Herbhe DROWLEY, Clifford Ian ZHU, Jiguang LI, Haiting	H03K 17/687
(31) 201410783570	(31) 201610136358	(11) EP3322093
(32) 17.12.2014	(32) 10.03.2016	(21) EP16198867.0
	(33) China	(47) 16.09.2020
	(51) H03H 17/02	(22) 15.11.2016
	H04S 3/00	(54) GATE TRAJECTORY CONTROL FOR ZERO OVERSHOOT SWITCHING
	G10L 19/008	(73) Mitsubishi Electric Corporation
	G10L 19/02	(72) DEGRENNE, Nicolas MOLLOV, Stefan BRANDELER, Julio
	G10L 25/48	(51) H03K 17/18
		(11) EP2839581
		(21) EP13726246.5
		(47) 16.09.2020
		(87) GB2013050572
		24.10.2013

(22) 08.03.2013	(87) CN2014070206	(72) KLENNER, Peter
(54) COMMUNICATION PROTOCOL	12.09.2014	(51) H04B 3/32
(73) Maschinenfabrik Reinhausen GmbH	(22) 07.01.2014	H04M 11/06
(72) CRONIN, Ivan	(54) POLAR CODE DECODING METHOD	(11) EP2989780
(31) 201206921	AND DECODER	(21) EP13711198.5
(32) 20.04.2012	(73) Huawei Technologies Co., Ltd.	(47) 16.09.2020
(33) United Kingdom	(72) LI, Bin	(87) US2013028750
(51) H03M 7/30	SHEN, Hui	04.09.2014
(11) EP2849348	(31) 201310073607	(22) 01.03.2013
(21) EP13796618.0	(32) 07.03.2013	(54) SYSTEMS AND METHODS FOR
(47) 16.09.2020	(33) China	MANAGING MIXED DEPLOYMENTS
(87) CN2013075315	(51) H04B 1/44	OF VECTORED AND NON-VECTORED
05.12.2013	H04Q 3/00	VDSL
(22) 08.05.2013	(11) EP3540971	(73) ASSIA SPE, LLC
(54) SIGNAL RECONSTRUCTION METHOD	(21) EP18209418.5	(72) KERPEZ, Kenneth
AND DEVICE	(47) 16.09.2020	MOHSENI, Mehdi
(73) Huawei Technologies Co., Ltd.	(22) 30.11.2018	TEHRANI, Ardavan, Maleki
(72) ZHU, Hufei	(54) MULTI-WAY SWITCH, RADIO	(51) H04B 5/00
YANG, Ganghua	FREQUENCY SYSTEM, AND	H02J 5/00
(31) 201210174062	WIRELESS COMMUNICATION DEVICE	H02J 50/00
(32) 30.05.2012	(73) GUANGDONG OPPO MOBILE	H02J 50/12
(33) China	TELECOMMUNICATIONS CORP., LTD.	H02J 50/80
(51) H03M 7/40	(72) BAI, Jian	(11) EP3316447
H04N 19/597	(31) 201810220630	(21) EP15897081.4
H04N 19/70	(32) 16.03.2018	(47) 16.09.2020
(11) EP3544186	(33) China	(87) JP2015068630
(21) EP19174169.3	(51) H04B 1/44	05.01.2017
(47) 16.09.2020	H04Q 3/00	(22) 29.06.2015
(22) 21.07.2014	H04B 7/0413	(54) NON-CONTACT POWER FEEDING
(54) METHOD AND APPARATUS OF	(11) EP3540952	APPARATUS
DERIVATION FOR A BINARY	(21) EP18202796.1	(73) FUJI Corporation
PARTITION PATTERN	(47) 16.09.2020	(72) TAKIKAWA, Shinji
(73) HUAWEI TECHNOLOGIES CO., LTD.	(22) 26.10.2018	NOMURA, Takeshi
(72) GU, Zhouye	(54) MULTIWAY SWITCH, RADIO	(51) H04B 7/02
ZHENG, Jianhua	FREQUENCY SYSTEM, AND	(11) EP2742607
LING, Nam	WIRELESS COMMUNICATION DEVICE	(21) EP12822181.9
ZHANG, Chen-Xiong	(73) GUANGDONG OPPO MOBILE	(47) 16.09.2020
(31) 201361856554 P	TELECOMMUNICATIONS CORP., LTD.	(87) KR2012001312
201361866941 P	(72) BAI, Jian	14.02.2013
201414335403	(31) 201810220598	(22) 21.02.2012
(32) 19.07.2013	(32) 16.03.2018	(54) APPARATUS AND METHOD FOR
16.08.2013	(33) China	BEAM LOCKING IN WIRELESS
18.07.2014	(51) H04B 1/707	COMMUNICATION SYSTEM
(33) United States of America	G06F 3/041	(73) Samsung Electronics Co., Ltd.
United States of America	G06F 3/044	(72) CHANG, Young-Bin
United States of America	(11) EP2477101	TAORI, Rakesh
(51) H03M 13/00	(21) EP12150854.3	(31) 20110079567
H03M 13/11	(47) 16.09.2020	20110083331
H03M 13/29	(22) 12.01.2012	(32) 10.08.2011
H04L 25/03	(54) Apparatus and method of identifying	22.08.2011
H04L 27/01	touch area	(33) Korea (Republic)
(11) EP3499823	(73) Samsung Electronics Co., Ltd.	Korea (Republic)
(21) EP17208188.7	(72) Han, Dong-Kyoon	(51) H04B 7/06
(47) 16.09.2020	(31) 20110003580	(11) EP3346616
(22) 18.12.2017	(32) 13.01.2011	(21) EP18150416.8
(54) METHOD AND DEVICE FOR	(33) Korea (Republic)	(47) 16.09.2020
DEMODULATING RECEIVED	(51) H04B 1/7107	(22) 05.01.2018
SYMBOLS USING A TURBO	H04L 1/00	(54) METHOD AND APPARATUS FOR
EQUALIZATION LOOP FOR A SINGLE	H04L 25/06	BEAM MANAGEMENT IN A WIRELESS
CARRIER SYSTEM	(11) EP3481019	COMMUNICATION SYSTEM
(73) Mitsubishi Electric R & D Centre Europe	(21) EP17199940.2	(73) ASUSTek Computer Inc.
B.V.	(47) 16.09.2020	(72) LIN, Ko-Chiang
Mitsubishi Electric Corporation	(22) 03.11.2017	KUO, Richard Lee-Chee
(72) CASTELAIN, Damien	(54) EFFICIENT DECODING OF	(31) 201762443291 P
(51) H03M 13/13	SUPERPOSITION MODULATION	(32) 06.01.2017
(11) EP2953307	(73) Panasonic Intellectual Property	(33) United States of America
(21) EP14760898.8	Corporation of America	(51) H04B 7/06
(47) 16.09.2020		

H04B 7/04	(47) 16.09.2020	YEE, Chih-Shi
H04B 7/0417	(87) CN2016101312	HSU, Yung-Ping
H04B 7/0456	18.05.2017	(31) 201361840671 P
(11) EP3547558	(22) 30.09.2016	201361845703 P
(21) EP17867433.9	(54) INTER-DEVICE COOPERATION	201361861561 P
(47) 16.09.2020	METHOD, WAVE BEAM TRAINING	201361895449 P
(87) CN2017107138	METHOD AND APPARATUS	(32) 28.06.2013
11.05.2018	(73) Huawei Technologies Co., Ltd.	12.07.2013
(22) 20.10.2017	(72) HUANG, Yada	02.08.2013
(54) INFORMATION FEEDBACK METHOD,	(31) 201510759382	25.10.2013
USER EQUIPMENT AND NETWORK	(32) 09.11.2015	(33) United States of America
EQUIPMENT	(33) China	United States of America
(73) Huawei Technologies Co., Ltd.	(51) H04B 7/06	United States of America
(72) JIN, Huangping	H04L 5/00	United States of America
HAN, Wei	H04B 7/04	
SHANG, Peng	H04B 7/0456	(51) H04B 7/08
BI, Xiaoyan	(11) EP3499736	H04B 17/29
(31) 201610963566	(21) EP17842671.4	H04B 7/04
201710215597	(47) 16.09.2020	(11) EP3235153
(32) 04.11.2016	(87) CN2017089024	(21) EP15870655.6
04.04.2017	01.03.2018	(47) 16.09.2020
(33) China	(22) 19.06.2017	(87) US2015063456
China	(54) DATA TRANSMISSION METHOD, AND	23.06.2016
(51) H04B 7/06	DATA RECEPTION METHOD, DEVICE	(22) 02.12.2015
H04B 7/0408	AND SYSTEM	(54) USER EQUIPMENT AND METHOD FOR
(11) EP3531575	(73) Huawei Technologies Co., Ltd.	TRANSMITTING A DATA STREAM TO
(21) EP16923105.7	(72) WU, Ye	AN EVOLVED NODE B
(47) 16.09.2020	BI, Xiaoyan	(73) Intel IP Corporation
(87) CN2016108056	(31) 201610710376	(72) IOFFE, Anatoliy
07.06.2018	(32) 23.08.2016	YANAKIEV, Boyan
(22) 30.11.2016	(33) China	KENNEY, Thomas J.
(54) METHOD AND DEVICE FOR	(51) H04B 7/06	(31) 201414575448
BEAMFORMING	H04L 5/00	(32) 18.12.2014
(73) Huawei Technologies Co., Ltd.	H04L 5/14	(33) United States of America
(72) GAO, Quanzhong	H04L 27/26	(51) H04B 7/10
YAN, Chaoyi	H04W 72/04	(11) EP3439196
WANG, Chen	(11) EP3425835	(21) EP16902389.2
(51) H04B 7/06	(21) EP17760259.6	(47) 16.09.2020
H04B 7/08	(47) 16.09.2020	(87) JP2016064738
H04B 7/0408	(87) KR2017002128	23.11.2017
H04B 7/0456	08.09.2017	(22) 18.05.2016
(11) EP2923450	(22) 27.02.2017	(54) TRANSMISSION STATION, CONTROL
(21) EP13857249.0	(54) EFFICIENT WIRELESS SIGNAL	STATION, RECEPTION STATION, DATA
(47) 16.09.2020	TRANSMISSION AND RECEPTION	TRANSPORT SYSTEM AND DATA
(87) KR2013010726	WITHIN A GUARD PERIOD	TRANSPORT METHOD
30.05.2014	(73) LG Electronics Inc.	(73) Mitsubishi Electric Corporation
(22) 25.11.2013	(72) SEO, Inkwon	(72) TANI, Shigenori
(54) APPARATUS AND METHOD FOR	KIM, Kijun	(51) H04B 7/185
BEAMFORMING GAIN DIFFERENCE	KIM, Seonwook	(11) EP3002890
COMPENSATION ACCORDING TO	(31) 201662303348 P	(21) EP15187550.7
CHANGE OF TRANSMITTING AND	(32) 03.03.2016	(47) 16.09.2020
RECEIVING BEAM PATTERN IN	(33) United States of America	(22) 30.09.2015
BEAMFORMING BASED WIRELESS	(51) H04B 7/06	(54) METHOD AND SYSTEM FOR SELF-
COMMUNICATION SYSTEM	H04W 84/18	OPTIMIZING A RESOURCE FOR A
(73) Samsung Electronics Co., Ltd.	(11) EP3014795	MOBILE SERVICE BY SATELLITE.
(72) SEOL, Ji-Yun	(21) EP14817147.3	(73) The Boeing Company
KIM, Tae-Young	(47) 16.09.2020	(72) Scott, James P.
YU, Hyun-Kyu	(87) US2014044471	Feria, Ying J.
(31) 20120133760	31.12.2014	Wang, Wes
(32) 23.11.2012	(22) 27.06.2014	(31) 201414502802
(33) Korea (Republic)	(54) BEAMFORMING ENHANCEMENTS	(32) 30.09.2014
(51) H04B 7/06	FOR SPATIAL REUSE IN WIRELESS	(33) United States of America
H04J 11/00	NETWORKS	(51) H04B 7/185
H04W 72/04	(73) MediaTek Singapore Pte Ltd.	(11) EP3367589
H04W 72/08	(72) WANG, James June-Ming	(21) EP18150751.8
H04B 7/024	LIU, Jianhan	(47) 16.09.2020
(11) EP3364552	PARE, Thomas Edward Jr.	(22) 09.01.2018
(21) EP16863509.2	WANG, Chao-Chun	(54) DATA COMMUNICATION SYSTEM,
		DATA COMMUNICATION METHOD,

	United States of America	Lynch, Michael A.
AND NON-TRANSITORY STORAGE		
MEDIUM	(51) H04B 10/80	(31) 201113199817
(73) Subaru Corporation	H02J 7/02	(32) 09.09.2011
(72) MIZUTANI, Takuma	H02J 50/30	(33) United States of America
YANASE, Yasuhiko	(11) EP2929615	(51) H04J 11/00
(31) 2017030796	(21) EP13824092.4	H04W 8/00
(32) 22.02.2017	(47) 16.09.2020	H04W 92/18
(33) Japan	(87) DE2013000713	(11) EP3065427
(51) H04B 7/185	12.06.2014	(21) EP14858355.2
H04W 24/02	(22) 02.12.2013	(47) 16.09.2020
H04W 84/00	(54) WIRELESS REMOTE ENERGY SUPPLY	(87) JP2014077488
H04W 84/06	FOR UNMANNED AERIAL VEHICLES	07.05.2015
(11) EP3172936	(73) Airbus Defence and Space GmbH	(22) 16.10.2014
(21) EP14748149.3	(72) HIEBL, Manfred	(54) RADIO BASE STATION, USER
(47) 16.09.2020	PONGRATZ, Hans, Wolfgang	TERMINAL, AND RADIO
(87) EP2014066069	(31) 102012023719	COMMUNICATION METHOD
28.01.2016	(32) 05.12.2012	(73) NTT DOCOMO, INC.
(22) 25.07.2014	(33) Germany	(72) HARADA, Hiroki
(54) TECHNIQUE FOR OPERATING A	(51) H04H 60/09	ZENG, Yongbo
MOVABLE RADIO BASE STATION	H04W 8/00	ZHAO, Qun
(73) Telefonaktiebolaget LM Ericsson (publ)	H04W 48/12	ZHANG, Yongsheng
(72) DJORDJEVIC, Branko	H04W 48/16	(31) 2013226439
BRAHMI, Nadia	H04W 52/02	(32) 31.10.2013
DUDDA, Torsten	H04W 84/18	(33) Japan
ZHANG, Hanzhi	H04W 4/00	(51) H04J 11/00
(51) H04B 7/26	H04W 4/80	H04W 48/12
H04L 5/00	(11) EP3363219	H04W 56/00
H04L 25/03	(21) EP16855852.6	(11) EP3329618
H04B 7/0456	(47) 16.09.2020	(21) EP16750263.2
(11) EP3387806	(87) SE2016050992	(47) 16.09.2020
(21) EP16742423.3	20.04.2017	(87) IB2016054453
(47) 16.09.2020	(22) 13.10.2016	02.02.2017
(87) SE2016050336	(54) IMPROVED ABILITY TO	(22) 26.07.2016
15.06.2017	DETECT PASSIVE BEACON	(54) NARROWBAND LTE CELL SEARCH
(22) 19.04.2016	RECEIVER DEVICES IN A SHORT-	(73) Telefonaktiebolaget LM Ericsson (publ)
(54) NETWORK NODE, NETWORK DEVICE	RANGE WIRELESS BEACON	(72) LIN, Xingqin
AND METHOD FOR REDUCING	COMMUNICATION SYSTEM	JOHANSSON, Niklas
A HIGHER LAYER SIGNALING	(73) Crunchfish Proximity AB	WANG, Yi-Pin Eric
OVERHEAD	(72) CRONHOLM, Paul	ADHIKARY, Ansuman
(73) Telefonaktiebolaget LM Ericsson (publ)	SAMUELSSON, Joachim	(31) 201562197364 P
(72) LIDIAN, Namir	SYLWANDER, Kristian	201615218706
NAMMI, Sairamesh	(31) 1551329	(32) 27.07.2015
(31) 201562264972 P	(32) 15.10.2015	25.07.2016
(32) 09.12.2015	(33) Sweden	(33) United States of America
(33) United States of America	(51) H04J 3/06	United States of America
(51) H04B 7/26	H04L 29/06	(51) H04J 13/00
H04L 5/00	(11) EP2777211	H04L 1/00
H04L 27/26	(21) EP12848224.7	H04L 1/06
H04W 28/06	(47) 16.09.2020	(11) EP3490181
H04W 72/00	(87) US2012063983	(21) EP17838517.5
H04W 72/02	16.05.2013	(47) 16.09.2020
H04W 72/04	(22) 07.11.2012	(87) CN2017093250
(11) EP3429150	(54) PHYSICAL LAYER PROCESSING OF	15.02.2018
(21) EP18187631.9	TIMESTAMPS AND MAC SECURITY	(22) 18.07.2017
(47) 16.09.2020	(73) Microsemi Solutions SDN. BHD.	(54) DATA TRANSMISSION METHOD AND
(22) 04.03.2015	(72) BRANSCOMB, Brian	DEVICE
(54) OFDM BASED WIRELESS	(31) 201161556732 P	(73) Huawei Technologies Co., Ltd.
COMMUNICATION WITH FLEXIBLE	(32) 07.11.2011	(72) ZHOU, Yue
SUB-CARRIER SPACING AND SYMBOL	(33) United States of America	LUO, Hejia
DURATION	(51) H04J 3/06	RONG, Lu
(73) Huawei Technologies Co., Ltd.	H04W 56/00	LI, Rong
(72) MA, Jianglei	(11) EP2568632	(31) 201610663404
JIA, Ming	(21) EP12250136.4	(32) 12.08.2016
(31) 201461949805 P	(47) 16.09.2020	(33) China
201514627836	(22) 25.07.2012	(51) H04L 1/00
(32) 07.03.2014	(54) Synchronization within wireless devices	(11) EP2114030
20.02.2015	(73) Simmonds Precision Products, Inc.	(21) EP08305140.9
(33) United States of America	(72) Zakrzewski, Radoslaw Romuald	(47) 16.09.2020

(22) 30.04.2008	15.02.2018	(51) H04L 1/16
(54) Methods and devices for preemptively transmitting a signal in accordance with an MCS other than a network commanded MCS	(22) 15.07.2017	H04L 1/18
(73) Google Technology Holdings LLC	(54) INTERFERENCE AWARE TRANSCEIVER DESIGN FOR HETEROGENEOUS NUMEROLOGY SYSTEMS	H04L 5/00
(72) Marco, Olivier Baglin, Matthieu	(73) Qualcomm Incorporated	(11) EP3252980
(51) H04L 1/00	(72) PARK, Seyong	(21) EP17156577.3
(11) EP3289708	XU, Hao	(47) 16.09.2020
(21) EP15721176.4	ZENG, Wei	(22) 03.12.2010
(47) 16.09.2020	JIANG, Jing	(54) METHOD, BASE STATION, AND USER EQUIPMENT FOR FEEDING BACK ACK/NACK INFORMATION FOR CARRIER AGGREGATION
(87) EP2015059342	SORIAGA, Joseph Binamira	(73) Huawei Technologies Co., Ltd.
03.11.2016	GAAL, Peter	(72) Chen, Xiaobo
(22) 29.04.2015	Ji, Tingfang	Li, Chaojun
(54) PROBING FOR INCREASED CAPACITY IN RELIABLE LOW-LATENCY COMMUNICATION	(31) 201662373896 P	(31) 200910251390
(73) Telefonaktiebolaget LM Ericsson (publ)	201715650116	201010137731
(72) AXMON, Joakim	(32) 11.08.2016	(32) 03.12.2009
ALRIKSSON, Peter	14.07.2017	24.03.2010
ANDGART, Niklas	(33) United States of America	(33) China
(51) H04L 1/00	United States of America	China
H04L 5/00	(51) H04L 1/00	(51) H04L 1/18
H04L 27/00	H04L 5/00	H04L 5/00
H04L 27/26	H04W 72/04	(11) EP3342078
H04L 27/34	(11) EP3602865	(21) EP16794826.4
(11) EP3261309	(21) EP18715975.1	(47) 16.09.2020
(21) EP15884999.2	(47) 16.09.2020	(87) US2016058836
(47) 16.09.2020	(87) IB2018051873	10.08.2017
(87) CN2015074411	27.09.2018	(22) 26.10.2016
22.09.2016	(22) 20.03.2018	(54) METHOD AND APPARATUS FOR LOW LATENCY TRANSMISSIONS
(22) 17.03.2015	(54) METHODS AND NODES FOR DETERMINING A TRANSMISSION DATA BLOCK SIZE	(73) Motorola Mobility LLC
(54) METHOD, DEVICE, AND SYSTEM FOR INFORMATION TRANSMISSION	(73) Telefonaktiebolaget LM Ericsson (publ)	(72) KUCHIBHOTLA, Ravi
(73) Huawei Technologies Co., Ltd.	(72) CHENG, Jung-Fu	LOVE, Robert T.
(72) WANG, Jian	BLANKENSHIP, Yufei	NANGIA, Vijay
(51) H04L 1/00	YU, Dongsheng	NORY, Ravikiran
H04L 5/00	(31) 201762473839 P	NIMBALKER, Ajit
H04L 27/26	(32) 20.03.2017	(31) 201615012997
H04W 72/04	(33) United States of America	(32) 02.02.2016
(11) EP3429114	(51) H04L 1/08	(33) United States of America
(21) EP16895926.0	H04L 1/18	(51) H04L 1/18
(47) 16.09.2020	H04W 74/08	H04L 5/00
(87) CN2016077931	(11) EP3383123	H04L 27/26
05.10.2017	(21) EP18157066.4	(11) EP2817912
(22) 30.03.2016	(47) 16.09.2020	(21) EP13751096.2
(54) INFORMATION PROCESSING METHOD, TERMINAL DEVICE, NETWORK DEVICE, AND COMMUNICATION SYSTEM	(22) 28.01.2014	(47) 16.09.2020
(73) Huawei Technologies Co., Ltd.	(54) ADJUSTMENT OF COMMUNICATION PARAMETERS USING RACH	(87) KR2013001322
(72) LI, Chaojun	(73) Huawei Technologies Co., Ltd.	29.08.2013
WU, Zuomin	(72) ZHANG, Xiangdong	(22) 20.02.2013
SHAO, Jiafeng	YU, Zheng	(54) METHOD AND APPARATUS FOR TRANSMITTING UPLINK SIGNAL IN WIRELESS COMMUNICATION SYSTEM
ZHANG, Yunji	CLASSON, Brian	(73) LG Electronics Inc.
MA, Sha	(51) H04L 1/16	(72) PARK, Jonghyun
(51) H04L 1/00	H04L 1/18	KIM, Kijun
H04L 5/00	H04B 7/0452	KIM, Byoungmoon
H04W 24/10	(11) EP2924885	(31) 201261600999 P
H04W 52/24	(21) EP14162255.5	201261602587 P
H04W 72/08	(47) 16.09.2020	201261619408 P
H04W 74/00	(22) 28.03.2014	(32) 20.02.2012
H04B 17/345	(54) Method, base station and terminal for determining channel properties in a cellular multiple-input and multiple-output system	23.02.2012
(11) EP3497856	(73) Sony Corporation	02.04.2012
(21) EP17746246.2	(72) Bengtsson, Erik	(33) United States of America
(47) 16.09.2020	Agardh, Kåre	United States of America
(87) US2017042277	Ljung, Rickard	United States of America
	Plicanic Samuelsson, Vanja	(51) H04L 1/18
		H04L 5/00
		H04W 72/04
		(11) EP3468269

(21) EP16906798.0	(21) EP11821051.7	(31) 464CH2015
(47) 16.09.2020	(47) 16.09.2020	464CH2015
(87) CN2016088041	(87) CN2011076531	(32) 30.01.2015
04.01.2018	08.03.2012	27.01.2016
(22) 30.06.2016	(22) 28.06.2011	(33) India
(54) UPLINK CONTROL CHANNEL	(54) DYNAMIC SUB-FRAME	India
TRANSMISSION AND RECEPTION	CONFIGURATION METHOD AND	(51) H04L 5/00
METHOD AND APPARATUS	APPARATUS IN TIME DIVISION	H04L 25/02
(73) Huawei Technologies Co., Ltd.	DUPLEX SYSTEM	H04L 27/26
(72) YAN, Zhiyu	(73) ZTE Corporation	(11) EP3202077
GUAN, Lei	(72) HU, Liujun	(21) EP15785161.9
ZHENG, Juan	BI, Feng	(47) 16.09.2020
LI, Yuan	ZHU, Changqing	(87) FR2015052582
(51) H04L 1/18	(31) 201010270199	07.04.2016
H04W 28/04	(32) 02.09.2010	(22) 29.09.2015
H04W 28/10	(33) China	(54) METHOD OF SENDING A
H04W 74/02	(51) H04L 5/00	MULTICARRIER SIGNAL, METHOD
(11) EP3295699	H04L 5/14	OF RECEPTION, DEVICES,
(21) EP16793663.2	H04W 16/14	AND COMPUTER PROGRAMS
(47) 16.09.2020	H04W 72/04	ASSOCIATED THEREWITH
(87) US2016032569	H04W 72/08	IMPLEMENTING AN OQAM TYPE
17.11.2016	H04W 74/08	MODULATION
(22) 14.05.2016	(11) EP3053400	(73) B<->COM
(54) HYBRID AUTOMATIC REPEAT	(21) EP14783952.6	(72) LIN, Hao
REQUEST (HARQ) IN LISTEN BEFORE	(47) 16.09.2020	(31) 1459532
TALK SYSTEMS	(87) US2014056989	(32) 03.10.2014
(73) Cable Television Laboratories, Inc.	09.04.2015	(33) France
(72) ANDREOLI-FANG, Jennifer	(22) 23.09.2014	(51) H04L 5/00
BABAEI, Alireza	(54) PHYSICAL UPLINK CONTROL	H04L 25/03
(31) 201562161443 P	MANAGEMENT IN LTE/LTE-A	(11) EP2372940
(32) 14.05.2015	SYSTEMS WITH UNLICENSED	(21) EP10305337.7
(33) United States of America	SPECTRUM	(47) 16.09.2020
(51) H04L 1/18	(73) Qualcomm Incorporated	(22) 01.04.2010
H04W 72/04	(72) CHEN, Wanshi	(54) Method for scheduling users in a mobile
(11) EP3267612	DAMNJANOVIC, Aleksandar	or wireless communication system,
(21) EP15892086.8	YERRAMALLI, Srinivas	corresponding mobile terminal and base
(47) 16.09.2020	LUO, Tao	station
(87) CN2015079010	GAAL, Peter	(73) Alcatel Lucent
24.11.2016	(31) 201361885348 P	(72) Gerlach, Christian
(22) 15.05.2015	201414492437	Wild, Thorsten
(54) METHOD AND APPARATUS FOR	(32) 01.10.2013	(51) H04L 5/00
TRANSMITTING UPLINK DATA IN	22.09.2014	H04L 27/26
LICENSED-ASSISTED ACCESS	(33) United States of America	(11) EP3373500
SYSTEM	United States of America	(21) EP18164611.8
(73) Huawei Technologies Co., Ltd.	(51) H04L 5/00	(47) 16.09.2020
(72) XU, Kai	H04L 5/14	(22) 18.06.2010
(51) H04L 5/00	H04W 48/16	(54) METHODS AND ARRANGEMENTS
H04L 5/14	H04W 74/08	FOR DYNAMICALLY TRIGGERING
H04L 27/26	H04W 4/70	THE TRANSMISSION OF SOUNDING
H04W 72/04	(11) EP3251237	REFERENCE SIGNAL IN A
(11) EP3500002	(21) EP16743757.3	TELECOMMUNICATION SYSTEM
(21) EP16917380.4	(47) 16.09.2020	(73) Telefonaktiebolaget LM Ericsson (publ)
(47) 16.09.2020	(87) KR2016001079	(72) Behravan, Ali
(87) CN2016101310	04.08.2016	Astely, David
05.04.2018	(22) 01.02.2016	Jöngren, George
(22) 30.09.2016	(54) METHOD AND DEVICE FOR	(31) 30660610 P
(54) CONFIGURATION METHOD AND	MANAGING A SYSTEM INFORMATION	(32) 22.02.2010
DEVICE FOR SELF-CONTAINED SUB-	BLOCK IN A WIRELESS	(33) United States of America
FRAME	COMMUNICATION NETWORK	(51) H04L 5/00
(73) Huawei Technologies Co., Ltd.	(73) Samsung Electronics Co., Ltd.	H04L 29/08
(72) LIU, Yun	(72) CHAVVA, Ashok Kumar Reddy	H04W 72/04
WANG, Jian	NIGAM, Anshuman	(11) EP3430851
WANG, Da	RAMANA, G Venkata	(21) EP17713488.9
ZENG, Yongbo	SAINI, Nitin	(47) 16.09.2020
(51) H04L 5/00	KADAMBAR, Sripada	(87) SE2017050248
H04L 5/14	KUSHAGRA,	21.09.2017
H04W 16/10	GUNTURU, Anusha	(22) 14.03.2017
(11) EP2603027	KHUNTETA, Shubham	

- (54) TIME GRID DESIGN FOR INTRODUCING GAPS IN TRANSMISSION FOR DL NB-IOT
- (73) Telefonaktiebolaget LM Ericsson (publ)
(72) SHOKRI RAZAGHI, Hazhir
BLANKENSHIP, Yufei
BERGMAN, Johan
SUI, Yutao
LIN, Xingqin
GRÖVLEN, Asbjörn
WANG, Yi-Pin Eric
ADHIKARY, Ansuman
(31) 201662309304 P
(32) 16.03.2016
(33) United States of America
-
- (51) H04L 5/00
H04W 16/14
H04W 74/08
(11) EP3440887
(21) EP17715548.8
(47) 16.09.2020
(87) SE2017050293
12.10.2017
(22) 28.03.2017
(54) SYSTEMS AND METHODS FOR SELF-DEFERRAL WITH DOWNLINK AND UPLINK TRANSMISSION OPPORTUNITY SHARING
- (73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) KARAKI, Reem
MUKHERJEE, Amitav
CHENG, Jung-Fu
(31) 201615090005
(32) 04.04.2016
(33) United States of America
-
- (51) H04L 5/00
H04W 16/28
H04W 84/12
H04W 88/08
H04W 92/20
(11) EP3413608
(21) EP18186850.6
(47) 16.09.2020
(22) 17.07.2015
(54) METHOD AND SYSTEM FOR COORDINATED BEAMFORMING (CB) FOR OVERLAPPING BASIC SERVICE SETS (OBSS) IN WLAN
- (73) HUAWEI TECHNOLOGIES CO., LTD.
(72) ABOUL-MAGD, Osama
SUH, Jung Hoon
AU, Kwok Shum
(31) 201414340175
(32) 24.07.2014
(33) United States of America
-
- (51) H04L 5/00
H04W 48/12
H04W 48/16
H04W 84/18
(11) EP3417573
(21) EP17754018.4
(47) 16.09.2020
(87) US2017018591
24.08.2017
(22) 20.02.2017
(54) WIDEBAND BEACON CHANNEL FOR FREQUENCY HOPPING SYSTEMS
- (73) Texas Instruments Incorporated
- (72) SCHMIDL, Timothy, Mark
XHAFI, Ariton
RAGHU, Arvind, Khandalu
- (31) 201615048843
(32) 19.02.2016
(33) United States of America
-
- (51) H04L 5/00
H04W 72/04
(11) EP3518595
(21) EP19159010.8
(47) 16.09.2020
(22) 03.11.2014
(54) METHOD AND APPARATUS FOR PERFORMING OPERATION RELATED TO RADIO LINK FAILURE IN A HETEROGENEOUS NETWORK
- (73) LG Electronics Inc.
(72) PARK, Kyungmin
XU, Jian
BYUN, Daewook
JUNG, Sunghoon
(31) 201361899139 P
201461934679 P
(32) 01.11.2013
31.01.2014
(33) United States of America
United States of America
-
- (51) H04L 5/00
H04W 72/04
H04W 88/10
(11) EP2835025
(21) EP13718244.0
(47) 16.09.2020
(87) US2013034763
10.10.2013
(22) 01.04.2013
(54) CELL DEPLOYMENT WITH DIFFERENT CHANNEL BANDWIDTH FOR CARRIER AGGREGATION
- (73) Marvell Asia Pte, Ltd.
(72) CHOI, Jihwan P.
ZHAO, Qing
LOU, Hui-Ling
(31) 201261618949 P
(32) 02.04.2012
(33) United States of America
-
- (51) H04L 7/04
H04L 7/08
H04L 27/26
H04B 10/61
(11) EP3435562
(21) EP17845847.7
(47) 16.09.2020
(87) JP2017022862
08.03.2018
(22) 21.06.2017
(54) KNOWN SIGNAL DETECTION METHOD
- (73) NTT Electronics Corporation
Nippon Telegraph and Telephone Corporation
(72) ONUMA, Yasuharu
YAMAZAKI, Etsushi
TAKAMUKU, Tomohiro
TACHIBANA, Masahiro
YOSHIDA, Mitsuteru
TOMIZAWA, Masahito
OKAMOTO, Seiji
- (31) 2016166692
(32) 29.08.2016
(33) Japan
-
- (51) H04L 9/00
H04L 9/32
(11) EP3259875
(21) EP16701432.3
(47) 16.09.2020
(87) EP2016050861
25.08.2016
(22) 18.01.2016
(54) METHODS OF DERIVING A TIME STAMP, AND SIGNING A DATA STREAM, AND ELECTRONIC DEVICE, SERVER AND COMPUTER PROGRAMS
- (73) Telefonaktiebolaget LM Ericsson (publ)
(72) MAXIMOV, Alexander
SMEETS, Bernard
(31) 201562118808 P
(32) 20.02.2015
(33) United States of America
-
- (51) H04L 9/00
H04L 9/32
(11) EP3259874
(21) EP16701431.5
(47) 16.09.2020
(87) EP2016050860
25.08.2016
(22) 18.01.2016
(54) METHODS OF PROVING VALIDITY AND DETERMINING VALIDITY, ELECTRONIC DEVICE, SERVER AND COMPUTER PROGRAMS
- (73) Telefonaktiebolaget LM Ericsson (publ)
(72) MAXIMOV, Alexander
SMEETS, Bernard
HELL, Martin
(31) 201562118808 P
(32) 20.02.2015
(33) United States of America
-
- (51) H04L 9/00
H04L 9/32
(11) EP3259871
(21) EP16700134.6
(47) 16.09.2020
(87) EP2016050297
25.08.2016
(22) 08.01.2016
(54) METHOD OF PROVIDING A HASH VALUE FOR A PIECE OF DATA, ELECTRONIC DEVICE AND COMPUTER PROGRAM
- (73) Telefonaktiebolaget LM Ericsson (publ)
(72) MAXIMOV, Alexander
HELL, Martin
SMEETS, Ben
(31) 201562118808 P
(32) 20.02.2015
(33) United States of America
-
- (51) H04L 9/00
H04L 9/32
G06F 21/00
(11) EP3410326
(21) EP18185200.5
(47) 16.09.2020
(22) 17.09.2013

(54) SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR INTERFACING MULTIPLE SERVICE PROVIDER TRUSTED SERVICE MANAGERS AND SECURE ELEMENTS	(54) METHOD AND APPARATUS FOR CYBER SECURITY USING LIGHT POLARIZATION	(51) H04L 9/32
(73) Google LLC	(73) Rolls-Royce Corporation	H04L 12/28
(72) Gargiulo, Michael J.	Rolls-Royce North American Technologies, Inc.	H04L 29/06
(31) 201261702653 P	(72) Skertic, Richard	H04L 29/08
(32) 18.09.2012	Costello, John	H04W 12/06
(33) United States of America	(31) 201762609092 P	H04W 12/08
(51) H04L 9/06	201816040923	H04W 4/70
H04L 9/08	(32) 21.12.2017	(11) EP3355521
H04L 9/30	20.07.2018	(21) EP16868917.2
H04L 9/32	(33) United States of America	(47) 16.09.2020
(11) EP3352411	United States of America	(87) KR2016013660
(21) EP18151725.1	(51) H04L 9/08	01.06.2017
(47) 16.09.2020	H04L 29/06	(22) 24.11.2016
(22) 15.01.2018	H04W 12/04	(54) SMART HOME SERVICE SERVER AND CONTROL METHOD THEREFOR
(54) METHOD OF GENERATING CRYPTOGRAPHIC KEY PAIRS	(11) EP2082520	(73) Samsung Electronics Co., Ltd.
(73) NXP B.V.	(21) EP07746993.0	(72) OCK, Hyun-Woo
(72) BOS, Joppe Willem	(47) 16.09.2020	IM, Sung Bin
FAY, Björn	(87) KR2007002959	KO, Young Min
MURRAY, Bruce	22.05.2008	KIM, Hyun Joong
(31) 201715414391	(22) 19.06.2007	OH, Hyun Jin
(32) 24.01.2017	(54) KEY UPDATE METHOD AND APPARATUS THEREOF	KONG, Young Seon
(33) United States of America	(73) Samsung Electronics Co., Ltd.	KIM, Min Su
(51) H04L 9/08	(72) HUH, MI Suk	BAE, Seok Min
H04L 9/12	KIM, Dae Youb	CHOI, Suk Tae
H04L 9/16	KIM, Hwan Joon	YEON, Jung Mo
(11) EP3522444	(31) 20060113398	LEE, Lye Suk
(21) EP17858347.2	(32) 16.11.2006	(31) 201562259547 P
(47) 16.09.2020	(33) Korea (Republic)	(32) 24.11.2015
(87) JP2017035815	(51) H04L 9/14	(33) United States of America
12.04.2018	H04L 12/58	(51) H04L 9/32
(22) 02.10.2017	H04L 29/06	H04L 29/06
(54) COMMUNICATION DEVICE, COMMUNICATION METHOD, COMMUNICATION SYSTEM, AND RECORDING MEDIUM	H04L 29/08	(11) EP3414880
(73) NEC Corporation	G06F 21/00	(21) EP17704969.9
(72) ONO Masakazu	(11) EP3226516	(47) 16.09.2020
(31) 2016195775	(21) EP17154253.3	(87) US2017016461
(32) 03.10.2016	(47) 16.09.2020	17.08.2017
(33) Japan	(22) 01.02.2017	(22) 03.02.2017
(51) H04L 9/08	(54) UNIFIED DATA NETWORKING ACROSS HETEROGENEOUS NETWORKS	(54) CERTIFICATE PINNING USING A DIRECTORY SERVICE
H04L 9/32	(73) The Boeing Company	(73) Citrix Systems, Inc.
H04L 29/06	(72) Kim, Jae H.	(72) SU, Jiawen
(11) EP3318043	Hoffman, Ceilidh	JAWAHAR, Janardhanan
(21) EP16818857.1	(31) 201615083009	BATRA, Prashant
(47) 16.09.2020	(32) 28.03.2016	MISTRY, Shaunak
(87) US2016040590	(33) United States of America	MAHYARI, Abbas
05.01.2017	(51) H04L 9/32	(31) 201615019118
(22) 30.06.2016	(11) EP3563516	(32) 09.02.2016
(54) MUTUAL AUTHENTICATION OF CONFIDENTIAL COMMUNICATION	(21) EP17838043.2	(33) United States of America
(73) Visa International Service Association	(47) 16.09.2020	(51) H04L 9/32
(72) LE SAINT, Eric	(87) EP2017084600	H04L 29/06
(31) 201562187125 P	05.07.2018	(11) EP3412018
(32) 30.06.2015	(22) 27.12.2017	(21) EP17707892.0
(33) United States of America	(54) PSEUDO-RANDOM GENERATION OF MATRICES FOR A COMPUTATIONAL FUZZY EXTRACTOR AND METHOD FOR AUTHENTICATION	(47) 16.09.2020
(51) H04L 9/08	(73) Robert Bosch GmbH	(87) EP2017054749
H04L 29/06	(72) GUAJARDO MERCHAN, Jorge	05.10.2017
(11) EP3503462	DUPLYS, Paulius	(22) 01.03.2017
(21) EP18209115.7	HUTH, Christopher	(54) METHOD FOR EXCHANGING MESSAGES BETWEEN SECURITY-RELEVANT DEVICES
(47) 16.09.2020	(31) 201662440744 P	(73) Siemens Mobility GmbH
(22) 29.11.2018	(32) 30.12.2016	(72) ECKELMANN-WENDT, Uwe
	(33) United States of America	GERKEN, Stefan
		(31) 102016205122
		(32) 29.03.2016
		(33) Germany
		(51) H04L 9/32
		H04L 29/06

G06F 21/31	(54) LOAD BALANCING METHOD AND RELATED DEVICE	(47) 16.09.2020
G06F 21/33		(22) 30.03.2017
G06F 21/41	(73) Huawei Technologies Co., Ltd.	(54) OPTIMIZING INFORMATION RELATED TO A ROUTE AND/OR A NEXT HOP FOR MULTICASE TRAFFIC
(11) EP3323073	(72) QIAO, Xiaoli	
(21) EP16824861.5	LI, Yan	(73) Juniper Networks, Inc.
(47) 16.09.2020	(51) H04L 12/14	(72) JAYARAMAN, Vijayananda
(87) US2016038013	H04W 24/08	SHEKHAR, Ravi
19.01.2017	G06F 9/44	BATHINA, Sri Ram N.
(22) 17.06.2016	(11) EP3238049	THAKOR, Shashvat A.
(54) IDENTITY FEDERATION AND TOKEN TRANSLATION MODULE FOR USE WITH A WEB APPLICATION	(21) EP15845498.3	(31) 201615381905
(73) Mastercard International Incorporated	(47) 16.09.2020	(32) 16.12.2016
(72) REILLY, Robert	(87) IB2015002628	(33) United States of America
CHIMAKURTHI, Sandeep, Chakravarthy	30.06.2016	
HUCK, Bridget	(22) 21.12.2015	(51) H04L 12/24
(31) 201514798617	(54) A METHOD AND SYSTEM FOR DYNAMICALLY ALLOCATING OPERATOR SPECIFIC BILLING RULES FOR DATE EXCHANGE BY AN APPLICATION ON A USER EQUIPMENT	(11) EP3216168
(32) 14.07.2015		(21) EP14905362.1
(33) United States of America	(73) ORANGE	(47) 16.09.2020
(51) H04L 9/32	(72) MANDANAPU, Subash	(87) CA2014000813
H04L 29/06	MOURYA, Manoj	12.05.2016
G06Q 20/32	(31) 201462096688 P	(22) 07.11.2014
G06F 21/35	(32) 24.12.2014	(54) METHOD FOR DYNAMICALLY CONFIGURING A CLIENT INSTALLED AND RUNNING ON A COMMUNICATION DEVICE
G06F 21/43	(33) United States of America	(73) Counterpath Technologies Inc.
H04W 4/00	(51) H04L 12/18	(72) O'BRIEN, Jim
H04W 4/02	(11) EP3393082	JONES, Donovan
G07C 9/00	(21) EP18177307.8	(51) H04L 12/24
(11) EP3023899	(47) 16.09.2020	(11) EP3340532
(21) EP15003257.1	(22) 09.05.2014	(21) EP15906465.8
(47) 16.09.2020	(54) DYNAMIC MULTI-DESTINATION ADDRESSING	(47) 16.09.2020
(22) 30.09.2004	(73) Huawei Technologies Co., Ltd.	(87) CN2015092491
(54) PROXIMITY AUTHENTICATION SYSTEM	(72) EASTLAKE, Donald E., III	27.04.2017
(73) NXP B.V.	(31) 201361822175 P	(22) 22.10.2015
(72) Buer, Mark	(32) 10.05.2013	(54) METHOD, DEVICE AND SYSTEM FOR PROCESSING SERVICE
Frank, Edward	(33) United States of America	(73) Huawei Technologies Co., Ltd.
Seshadri, Nambirajan	(51) H04L 12/18	(72) NI, Hui
(31) 507586 P	H04L 12/58	LI, Yongcui
609537 P	(11) EP3251289	(51) H04L 12/24
(32) 30.09.2003	(21) EP16711412.3	(11) EP3255838
13.09.2004	(47) 16.09.2020	(21) EP16746112.8
(33) United States of America	(87) US2016020132	(47) 16.09.2020
United States of America	29.09.2016	(87) CN2016072787
(51) H04L 12/00	(22) 29.02.2016	11.08.2016
(11) EP2461254	(54) COMMENTING THROUGH MESSAGES IN SHARED FOLDER BASED INTEGRATED WORKSPACES	(22) 29.01.2016
(21) EP11187953.2	(73) Dropbox, Inc.	(54) METHOD, SWITCHING DEVICE AND NETWORK CONTROLLER FOR PROTECTING LINKS IN SOFTWARE-DEFINED NETWORK (SDN)
(47) 16.09.2020	(72) BEAUSOLEIL, Sean	(73) Huawei Technologies Co., Ltd.
(22) 04.11.2011	PAN, Matheus	(72) YANG, Peilin
(54) Table-driven routing in a dragonfly processor interconnect network	GREZE, Jean-denis	ZHANG, Hengcheng
(73) Intel Corporation	DEVINCENZI, Anthony	HAN, Tao
(72) Parker, Mike	JOHNSON, Maxwell	(31) 201510057341
Scott, Steve	DUBIE, Jack	(32) 03.02.2015
Cheng, Albert	DUNN, Colin	(33) China
Alverson, Robert	(31) 201562136871 P	(51) H04L 12/24
(31) 410641 P	201514725927	(11) EP3320653
(32) 05.11.2010	(32) 23.03.2015	(21) EP16742492.8
(33) United States of America	29.05.2015	(47) 16.09.2020
(51) H04L 12/00	(33) United States of America	(87) US2016040833
H04L 12/46	United States of America	12.01.2017
H04L 29/08	(51) H04L 12/18	(22) 01.07.2016
H04L 12/803	H04L 12/701	(54) PARALLELIZED NETWORK TRAFFIC FLOW AVAILABILITY SIMULATION USING STOCHASTIC PROCESS AND TRAFFIC ENGINEERING ALGORITHMS
(11) EP3499819	H04L 12/761	
(21) EP16916577.6	(11) EP3337093	
(47) 16.09.2020	(21) EP17164031.1	
(87) CN2016100108		
29.03.2018		
(22) 26.09.2016		

(73) Google LLC	201615087287	OUYANG, Guowei
(72) ZHAO, Xiaoxue	(32) 09.03.2016	HE, Yue
DANNA, Emilie Jeanne Anne	31.03.2016	DOU, Fenghui
GHAFFARKHAH, Alireza	(33) United States of America	LI, Xiaojuan
BANGLA, Ajay Kumar	United States of America	<hr/>
ALBRECHT, Christoph	(51) H04L 12/24	(51) H04L 12/24
JIANG, Wenjie	H04L 12/28	H04L 29/08
PRESKILL, Benjamin	(11) EP3361676	G06F 9/455
KOLEY, Bikash	(21) EP15907676.9	(11) EP3226132
(31) 201562190551 P	(47) 16.09.2020	(21) EP15874841.8
201514922879	(87) CN2015094060	(47) 16.09.2020
(32) 09.07.2015	11.05.2017	(87) CN2015084774
26.10.2015	(22) 06.11.2015	07.07.2016
(33) United States of America	(54) METHOD, APPARATUS AND SYSTEM	(22) 22.07.2015
United States of America	FOR FAULT LOCALIZATION OF HFC	(54) METHOD AND APPARATUS FOR
<hr/>	NETWORK	DEPLOYING VIRTUAL MACHINE
(51) H04L 12/24	(73) Huawei Technologies Co., Ltd.	INSTANCES IN A NFV ARCHITECTURE
H04L 12/26	(72) ZHANG, Xiaolong	(73) HUAWEI TECHNOLOGIES CO., LTD.
(11) EP3386150	SHEN, Chenghu	(72) LOU, Yueyun
(21) EP16869582.3	<hr/>	ZHANG, Jidong
(47) 16.09.2020	(51) H04L 12/24	QIAN, Tao
(87) CN2016084465	H04L 12/46	LIU, Meisheng
08.06.2017	H04W 16/02	WANG, Chuntao
(22) 02.06.2016	(11) EP3525396	(31) 201410856837
(54) TERMINAL FAILURE PROCESSING	(21) EP17867436.2	(32) 29.12.2014
METHOD, DEVICE AND SYSTEM	(47) 16.09.2020	(33) China
(73) Shenzhen TCL Digital Technology Ltd.	(87) CN2017107496	<hr/>
(72) JIANG, Guoding	11.05.2018	(51) H04L 12/24
KANG, Junping	(22) 24.10.2017	H04L 29/08
(31) 201510872273	(54) METHOD AND DEVICE FOR	H04L 12/801
(32) 02.12.2015	MANAGING NETWORK SLICE	(11) EP2899938
(33) China	INSTANCE	(21) EP13856661.7
<hr/>	(73) Huawei Technologies Co., Ltd.	(47) 16.09.2020
(51) H04L 12/24	(72) SUN, Wenqi	(87) CN2013087251
H04L 12/26	LU, Wei	30.05.2014
H04L 29/06	YANG, Shuigen	(22) 15.11.2013
H04L 12/701	(31) 201610959009	(54) SERVICE DOWNLOAD
H04L 12/703	(32) 03.11.2016	ACCELERATION METHOD AND
H04L 12/713	(33) China	SYSTEM, SERVICE STATE
H04L 12/715	<hr/>	MAINTENANCE METHOD AND DEVICE
(11) EP3373547	(51) H04L 12/24	(73) ZTE Corporation
(21) EP17211062.9	H04L 29/06	(72) HUANG, Sunliang
(47) 16.09.2020	(11) EP3035599	CHEN, Jianye
(22) 31.05.2011	(21) EP16155024.9	WU, Ping
(54) METHOD FOR REALIZING DISASTER	(47) 16.09.2020	(31) 201210478433
TOLERANCE BACKUP	(22) 02.02.2005	(32) 22.11.2012
(73) Huawei Technologies Co., Ltd.	(54) NETWORK DNA	(33) China
(72) YU, Qinghua	(73) Microsoft Technology Licensing, LLC	<hr/>
ZHANG, Chi	(72) Corbett, Christopher J.	(51) H04L 12/24
YE, Sihai	Khaki, Mohamed Jawad	H04W 12/06
YU, Deming	Bahl, Pradeep	H04L 12/709
<hr/>	(31) 773681	H04W 4/50
(51) H04L 12/24	(32) 06.02.2004	H04W 4/70
H04L 12/26	(33) United States of America	H04W 4/80
H04L 29/08	(51) H04L 12/24	(11) EP2955940
G06F 30/34	H04L 29/06	(21) EP15171004.3
(11) EP3427150	H04L 29/08	(47) 16.09.2020
(21) EP17763685.9	H04W 36/00	(22) 08.06.2015
(47) 16.09.2020	(11) EP3442202	(54) MOBILE NETWORK IOT
(87) US2017014382	(21) EP17901341.2	CONVERGENCE
14.09.2017	(47) 16.09.2020	(73) Telefonaktiebolaget LM Ericsson (publ)
(22) 20.01.2017	(87) CN2017089016	(72) CHAKRABARTI, Samita
(54) METHOD AND APPARATUS TO	27.12.2018	TOUATI, Samy
IMPROVE COMPUTING RESOURCE	(22) 19.06.2017	SHARMA, Ayush
UTILIZATION	(54) REGISTRATION AND SESSION	(31) 201462012253 P
(73) Intel Corporation	ESTABLISHMENT METHODS,	201414525139
(72) PALERMO, Stephen Thomas	TERMINAL, AND AMF ENTITY	(32) 13.06.2014
KAMHOUT, Dwarkadisha D.	(73) Huawei Technologies Co., Ltd.	27.10.2014
GANESH, Pradeepsunder	(72) YANG, Haorui	(33) United States of America
GUPTA, Prabhat K.	JIN, Hui	United States of America
(31) 201662306048 P		<hr/>
		(51) H04L 12/24

H04W 16/18	(87) US2015017561	HAVERLAG, Marco
(11) EP3384634	03.09.2015	WOUTERS, Petrus, Nicolaas
(21) EP16831649.5	(22) 25.02.2015	(31) 17165649
(47) 16.09.2020	(54) SYSTEMS AND METHODS FOR	(32) 10.04.2017
(87) TR2016000174	PROVIDING SECURE ACCESS TO	(33) European Patent Office (EPO)
08.06.2017	LOCAL NETWORK DEVICES	(51) H04L 12/46
(22) 02.12.2016	(73) CA, Inc.	H04L 12/70
(54) A NETWORK TRAFFIC ESTIMATION	(72) SOBEL, William E.	H04L 12/709
SYSTEM	MCCORKENDALE, Bruce	H04L 12/721
(73) Turkcell Teknoloji Arastirma Ve Gelistirme	(31) 201414193363	(11) EP3439248
Anonim Sirketi	(32) 28.02.2014	(21) EP17773305.2
(72) ONES, Onur	(33) United States of America	(47) 16.09.2020
OZENIR, Omar	(51) H04L 12/28	(87) CN2017079011
SARKAN, Mehmet Onur	H04W 8/18	05.10.2017
GEMALMAZ, Haci Ali	H04W 12/08	(22) 31.03.2017
YILDIZ, Ismail	H04W 12/12	(54) CONFIGURATION OF LINK
(31) 201515448	G06Q 20/34	AGGREGATION GROUP
(32) 04.12.2015	H04W 4/50	(73) New H3C Technologies Co., Ltd.
(33) Turkey	H04W 4/60	(72) ZHOU, Mengtao
(51) H04L 12/24	(11) EP2472926	QI, Zhenglin
H04W 76/10	(21) EP09848644.2	XIU, Yihong
H04W 76/27	(47) 16.09.2020	LIU, Daogui
(11) EP3018963	(87) CN2009075882	(31) 201610201752
(21) EP15002979.1	03.03.2011	201610201761
(47) 16.09.2020	(22) 23.12.2009	201610202165
(22) 20.10.2015	(54) METHOD AND SYSTEM FOR	(32) 31.03.2016
(54) METHOD AND APPARATUS FOR	CONTROLLING AN INTELLIGENT	31.03.2016
CONTROLLING OF DDN MESSAGE,	CARD REMOTELY	31.03.2016
AND COMPUTER READABLE MEDIUM	(73) ZTE Corporation	(33) China
FOR THE SAME	(72) WU, Chuanxi	China
(73) Ericsson-LG Co., Ltd.	MA, Jingwang	China
(72) HAM, Jae Eun	(31) 200910166869	(51) H04L 12/58
Park, Sang Yong	(32) 28.08.2009	H04L 29/06
Park, Sang Woon	(33) China	H04L 29/08
YEO, Jae Mo	(51) H04L 12/40	H04W 12/02
Baik, Woon Song	H04L 12/66	H04W 12/08
(31) 20140154491	H04L 29/12	G06Q 30/02
20140170784	(11) EP2530879	G06Q 50/00
(32) 07.11.2014	(21) EP12169730.4	G06F 21/32
02.12.2014	(47) 16.09.2020	G06F 21/62
(33) Korea (Republic)	(22) 29.05.2012	H04W 4/21
Korea (Republic)	(54) SYSTEM AND METHOD FOR	(11) EP3420493
(51) H04L 12/28	IDENTIFYING FOUNDATION FIELDBUS	(21) EP17779375.9
F24F 11/30	LINKING DEVICES	(47) 16.09.2020
(11) EP3005106	(73) General Electric Company (a New York	(87) KR2017003789
(21) EP14806841.4	Corporation)	12.10.2017
(47) 16.09.2020	(72) Smith, Steven William	(22) 06.04.2017
(87) US2014040629	Pettigrew, William Robert	(54) PRIVATE DATA AGGREGATION
11.12.2014	(31) 201161491625 P	FRAMEWORK FOR UNTRUSTED
(22) 03.06.2014	201113159163	SERVERS
(54) DEVICES AND METHODS FOR	(32) 31.05.2011	(73) Samsung Electronics Co., Ltd.
INTERACTING WITH A CONTROL	13.06.2011	(72) CHEN, Rui
SYSTEM THAT IS CONNECTED TO A	(33) United States of America	LI, Haoran
NETWORK	United States of America	KASIVISWANATHAN, Shiva
(73) Ademco Inc.	(51) H04L 12/40	JIN, Hongxia
(72) STONER, Marcus D.	H05B 47/18	(31) 201662319637 P
KOLAVENNU, Soumitri	(11) EP3610702	201615282776
PAINE, Brad	(21) EP18714786.3	(32) 07.04.2016
GOH, Christopher	(47) 16.09.2020	30.09.2016
(31) 201313911638	(87) EP2018058837	(33) United States of America
(32) 06.06.2013	18.10.2018	United States of America
(33) United States of America	(22) 06.04.2018	(51) H04L 12/58
(51) H04L 12/28	(54) SYSTEM AND METHOD FOR	H04W 4/12
H04L 29/06	ENHANCING DATA RATES OVER	H04W 88/02
G06Q 50/00	ADDRESSABLE LIGHTING	(11) EP3595400
(11) EP3111615	NETWORKS	(21) EP19195065.8
(21) EP15710037.1	(73) Signify Holding B.V.	(47) 16.09.2020
(47) 16.09.2020	(72) ABBO, Anteneh, Alemu	(22) 23.02.2015

<p>(54) MESSAGE PROCESSING METHOD AND ELECTRONIC DEVICE SUPPORTING THE SAME</p> <p>(73) Samsung Electronics Co., Ltd.</p> <p>(72) KIM, Kyu Hyun KIM, Min O KIM, In Soo YOU, Jun Ho BAE, Sang Min</p> <p>(31) 20140021004 (32) 23.02.2014 (33) Korea (Republic)</p> <hr/> <p>(51) H04L 12/66 H04L 29/06 H04L 29/08 H04L 29/12 H04L 12/707 H04L 12/761</p> <p>(11) EP3518504 (21) EP19163542.4 (47) 16.09.2020 (22) 30.12.2011</p> <p>(54) METHODS AND SYSTEMS FOR TRANSMISSION OF DATA OVER COMPUTER NETWORKS</p> <p>(73) Peerapp, Ltd.</p> <p>(72) AROLOVITCH, Alan BACHAR, Shmuel GAVISH, Dror, Moshe GRIN, Shahar, Guy SHEMER, Shay</p> <p>(31) 201061428527 P (32) 30.12.2010 (33) United States of America</p> <hr/> <p>(51) H04L 12/66 H04L 29/06 H04L 29/08 H04M 15/00 H04W 8/18 H04W 8/20 H04W 12/06 H04W 12/08 H04W 60/00 H04W 80/00 H04W 4/24 H04W 76/00 H04W 76/18</p> <p>(11) EP2491734 (21) EP10825180.2 (47) 16.09.2020 (87) KR2010007167 28.04.2011 (22) 19.10.2010</p> <p>(54) METHOD AND APPARATUS FOR PROVIDING SERVICE USING PERSONAL NETWORK</p> <p>(73) Samsung Electronics Co., Ltd.</p> <p>(72) PARK, Sung-Jin LEE, Yang-Un KIM, Wuk CHOI, Seok-Hoon</p> <p>(31) 20090099508 (32) 20.10.2009 (33) Korea (Republic)</p> <hr/> <p>(51) H04L 12/66 H04L 29/06 H04W 4/70</p> <p>(11) EP3461075</p>	<p>(21) EP16904621.6 (47) 16.09.2020 (87) JP2016067106 14.12.2017 (22) 08.06.2016</p> <p>(54) GATEWAY APPARATUS AND TRANSFER METHOD</p> <p>(73) Mitsubishi Electric Corporation</p> <p>(72) OGA, Masao</p> <hr/> <p>(51) H04L 12/66 H04W 76/16</p> <p>(11) EP3515149 (21) EP19162212.5 (47) 16.09.2020 (22) 15.01.2010</p> <p>(54) SYSTEM AND METHOD FOR DETERMINING ESTABLISHMENT CAUSES</p> <p>(73) BlackBerry Limited</p> <p>(72) CHIN, Chen-Ho</p> <p>(31) 14499209 P 14739609 P (32) 15.01.2009 26.01.2009</p> <p>(33) United States of America United States of America</p> <hr/> <p>(51) H04L 12/70 (11) EP3364609 (21) EP16855497.0 (47) 16.09.2020 (87) JP2016080450 20.04.2017 (22) 13.10.2016</p> <p>(54) COMMUNICATION SYSTEM, ADDRESS NOTIFICATION DEVICE, COMMUNICATION CONTROL DEVICE, TERMINAL, COMMUNICATION METHOD, AND PROGRAM</p> <p>(73) NTT Communications Corporation</p> <p>(72) NAKAHARA, Yuuki KOMATSU, Kensaku</p> <p>(31) 2015203061 (32) 14.10.2015 (33) Japan</p> <hr/> <p>(51) H04L 12/703 H04L 12/743 H04L 12/761</p> <p>(11) EP3391597 (21) EP15820200.2 (47) 16.09.2020 (87) FI2015050912 22.06.2017 (22) 18.12.2015</p> <p>(54) A METHOD FOR MANAGING CONFIGURATION OF A NETWORK ELEMENT AND A NETWORK ELEMENT</p> <p>(73) Coriant Oy</p> <p>(72) KUUSISAARI, Juhamatti HALLIVUORI, Ville</p> <hr/> <p>(51) H04L 12/741 (11) EP3306876 (21) EP16886145.8 (47) 16.09.2020 (87) CN2016111938 27.07.2017 (22) 24.12.2016</p>	<p>(54) METHOD AND GATEWAY FOR ACQUIRING ROUTE AS REQUIRED</p> <p>(73) Huawei Technologies Co., Ltd.</p> <p>(72) GAO, Yuan LI, Xinpeng YUAN, Yongli</p> <p>(31) 201610031655 (32) 18.01.2016 (33) China</p> <hr/> <p>(51) H04L 25/02 (11) EP3391602 (21) EP16810291.1 (47) 16.09.2020 (87) EP2016079994 22.06.2017 (22) 07.12.2016</p> <p>(54) CIRCUIT ASSEMBLY FOR A SWITCHABLE LINE TERMINATION OF A SERIAL BUS</p> <p>(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH</p> <p>(72) GSCHEIDLE, Wolfgang</p> <p>(31) 102015121732 (32) 14.12.2015 (33) Germany</p> <hr/> <p>(51) H04L 27/26 (11) EP3200413 (21) EP14904602.1 (47) 16.09.2020 (87) CN2014089133 28.04.2016 (22) 22.10.2014</p> <p>(54) SIGNAL PROCESSING METHOD, APPARATUS AND DEVICE</p> <p>(73) Huawei Technologies Co., Ltd.</p> <p>(72) LIU, Sheng LU, Weishan CHEN, Teyan</p> <hr/> <p>(51) H04L 27/26 H04L 29/06 H04W 28/18 H04W 72/04 H04W 84/12 H04W 88/08 H04B 7/04</p> <p>(11) EP3547560 (21) EP19169222.7 (47) 16.09.2020 (22) 12.07.2010</p> <p>(54) METHOD AND APPARATUS FOR MULTIPLE FRAME TRANSMISSION FOR SUPPORTING MU-MIMO</p> <p>(73) LG Electronics Inc.</p> <p>(72) SEOK, Yong Ho</p> <p>(31) 236887 P 245656 P (32) 26.08.2009 24.09.2009 (33) United States of America United States of America</p> <hr/> <p>(51) H04L 29/06 (11) EP3095228 (21) EP15703150.1 (47) 16.09.2020 (87) US2015011395 23.07.2015 (22) 14.01.2015</p> <p>(54) NETWORK PRIVACY</p>
--	--	---

(73) Reprivata LLC	(54) METHOD FOR DETERMINING	G06F 9/30
(72) COX, David, Wallace	AN INVENTORY OF ACTIVATED	G06F 9/445
YEAGER, Francis Scott	FUNCTIONS IN A FUNCTIONAL UNIT	G06F 9/455
(31) 201461927277 P	AND A FUNCTIONAL UNIT OPERABLE	(11) EP3243313
(32) 14.01.2014	IN ACCORDANCE WITH THE METHOD	(21) EP16711369.5
(33) United States of America	(73) Audi AG	(47) 16.09.2020
(51) H04L 29/06	(72) MOCHAR, Patrick	(87) US2016012533
(11) EP3207715	GRASSER, Christoph	14.07.2016
(21) EP15850967.9	SCHALL, Erich	(22) 07.01.2016
(47) 16.09.2020	(31) 102018206880	(54) SYSTEM AND METHOD FOR
(87) US2015055167	(32) 04.05.2018	MONITORING A COMPUTER SYSTEM
21.04.2016	(33) Germany	USING MACHINE INTERPRETABLE
(22) 12.10.2015	(51) H04L 29/06	CODE
(54) AUTHENTICATION FOR OVER THE	G06F 21/33	(73) GoSecure Inc.
TOP BROADCAST STREAMING	G06F 21/35	(72) SZEKELY, Amir
USING AUTOMATED CONTENT	G06F 21/62	(31) 201562100797 P
RECOGNITION	(11) EP3245607	(32) 07.01.2015
(73) Audible Magic Corporation	(21) EP16700106.4	(33) United States of America
(72) SCHREMPF, Jim	(47) 16.09.2020	(51) H04L 29/06
IKEZOYE, Vance	(87) EP2016050103	G06F 21/57
(31) 201462063603 P	21.07.2016	G06F 16/901
201514693674	(22) 06.01.2016	(11) EP3516574
(32) 14.10.2014	(54) METHOD FOR READING ATTRIBUTES	(21) EP17772814.4
22.04.2015	FROM AN ID TOKEN	(47) 16.09.2020
(33) United States of America	(73) Bundesdruckerei GmbH	(87) US2017051436
United States of America	(72) SCHOLZE, Steffen	29.03.2018
(51) H04L 29/06	SCHWAN, Matthias	(22) 14.09.2017
(11) EP3099037	MÜLLER, Frank	(54) ENTERPRISE GRAPH METHOD OF
(21) EP16171891.1	WIRTH, Klaus-Dieter	THREAT DETECTION
(47) 16.09.2020	FILZHUTH, Elke	(73) Microsoft Technology Licensing, LLC
(22) 30.05.2016	(31) 102015200313	(72) HUDIS, Efim
(54) PROVIDING A PASSWORD FOR	(32) 13.01.2015	BRAVERMAN-BLUMENSTYK, Michal
TEMPORARY ACCESS PRIVILEGE	(33) Germany	ALON, Daniel
ESCALATION IN A CONTROL	(51) H04L 29/06	NEUVIRTH, Hani Hana
PROGRAM	G06F 21/53	RONEN, Royi
(73) Rockwell Automation Technologies, Inc.	G06F 21/56	GUREVICH, Yuri
(72) BUSH, Michael A.	(11) EP3509001	(31) 201615273604
CASE, Clark L.	(21) EP17863527.2	(32) 22.09.2016
JASPER, Taryl J.	(47) 16.09.2020	(33) United States of America
(31) 201562168317 P	(87) CN2017087170	(51) H04L 29/06
(32) 29.05.2015	03.05.2018	H04L 12/917
(33) United States of America	(22) 05.06.2017	(11) EP3073691
(51) H04L 29/06	(54) METHOD AND APPARATUS FOR	(21) EP13899184.9
(11) EP3560162	DETECTING ZOMBIE FEATURE	(47) 16.09.2020
(21) EP17822283.2	(73) Huawei Technologies Co., Ltd.	(87) CN2013089179
(47) 16.09.2020	(72) JIANG, Wu	18.06.2015
(87) EP2017083956	(31) 201610948753	(22) 12.12.2013
28.06.2018	(32) 25.10.2016	(54) METHOD AND DEVICE FOR
(22) 20.12.2017	(33) China	IMPROVING QOS
(54) METHOD FOR OPERATING	(51) H04L 29/06	(73) Huawei Technologies Co., Ltd.
A COLLABORATION AND	G06F 21/55	(72) LI, Dong
COMMUNICATION PLATFORM,	(11) EP1817648	(51) H04L 29/06
AND COLLABORATION AND	(21) EP04803291.6	H04L 29/08
COMMUNICATION PLATFORM	(47) 16.09.2020	(11) EP3342126
(73) Unify Patente GmbH & Co. KG	(87) EP2004013424	(21) EP16775443.1
(72) SCHMITZ, Ulrich	01.06.2006	(47) 16.09.2020
(31) 102016125345	(22) 26.11.2004	(87) US2016053498
(32) 22.12.2016	(54) INSTRUSION DETECTION METHOD	30.03.2017
(33) Germany	AND SYSTEM, RELATED NETWORK	(22) 23.09.2016
(51) H04L 29/06	AND COMPUTER PROGRAM	(54) ACCELERATION OF ONLINE
G06F 21/12	PRODUCT THEREFOR	CERTIFICATE STATUS CHECKING
(11) EP3665891	(73) Telecom Italia S.p.A.	WITH AN INTERNET HINTING
(21) EP19720065.2	(72) CANGINI, Gianluca	SERVICE
(47) 16.09.2020	CODA ZABETTA, Francesco	(73) Viasat, Inc.
(87) EP2019059382	LAMASTRA, Gerardo	(72) LEPESKA, Peter
07.11.2019	(51) H04L 29/06	SCHEXNAYDRE, Michael
(22) 12.04.2019	G06F 21/55	LARRICK, Douglas
	G06F 8/41	(31) 201562222460 P

(32) 23.09.2015	H04L 29/08	(54) MULTI-PATH AUXILIARY STREAM CONTROL METHOD, CONTROL DEVICE, NODE AND SYSTEM
(33) United States of America	G06F 9/445	(73) Huawei Technologies Co., Ltd.
(51) H04L 29/06	(11) EP2472828	(72) XIAO, Jing
H04L 29/08	(21) EP10816641.4	WANG, Jing
(11) EP3542517	(47) 16.09.2020	WU, Jiaoli
(21) EP16819451.2	(87) CN2010075735	
(47) 16.09.2020	24.03.2011	
(87) EP2016080506	(22) 05.08.2010	(51) H04L 29/06
14.06.2018	(54) METHOD AND SYSTEM FOR IMPLEMENTING COORDINATED OPERATION BETWEEN WEB EQUIPMENT AND FLASH EQUIPMENT	H04L 29/08
(22) 09.12.2016	(73) Tencent Technology (Shenzhen) Company Limited	H04W 4/21
(54) AN INTERFACE, VEHICLE CONTROL SYSTEM AND NETWORK DEVICE FOR COMBINING VEHICLE CONTROL WITH COMMUNICATION SERVICES	(72) HUANG, Chaoxing	(11) EP2587405
(73) Huawei Technologies Co., Ltd.	GUO, Bijian	(21) EP12190632.5
(72) NUNNA, Swaroop	ZHU, Xinqi	(47) 16.09.2020
GANESAN, Karthikeyan	(31) 200910177813	(22) 30.10.2012
ROSIER, Holger	(32) 21.09.2009	(54) System and method for interception of IP traffic based on image processing
EICHINGER, Josef	(33) China	(73) Verint Systems Limited
DILLINGER, Markus, Martin		(72) Aviad, Rotem
		Zamir, Ariel
(51) H04L 29/06	(51) H04L 29/06	(31) 21605711
H04L 29/08	H04L 29/08	(32) 31.10.2011
(11) EP3125247	G06Q 10/08	(33) Israel
(21) EP16181204.5	G06Q 30/02	
(47) 16.09.2020	(11) EP3528474	(51) H04L 29/06
(22) 26.07.2016	(21) EP18865332.3	H04L 29/08
(54) PERSONALIZED SOUNDTRACK FOR MEDIA CONTENT	(47) 16.09.2020	H04W 12/10
(73) DISH Technologies L.L.C.	(87) CN2018076410	H04W 12/12
(72) Newell, Nicholas	11.07.2019	(11) EP3113529
Khan, Omar A.	(22) 12.02.2018	(21) EP16176885.8
(31) 201514809605	(54) WEBPAGE ADVERTISEMENT ANTI-SHIELDING METHODS AND CONTENT DISTRIBUTION NETWORK	(47) 16.09.2020
(32) 27.07.2015	(73) Wangsu Science & Technology Co., Ltd.	(22) 29.06.2016
(33) United States of America	(72) ZHAO, Zhiwen	(54) SYSTEM AND METHOD FOR TIME BASED ANOMALY DETECTION IN AN IN-VEHICLE COMMUNICATION NETWORK
(51) H04L 29/06	LIN, Tumu	(73) Argus Cyber Security Ltd.
H04L 29/08	ZHOu, Jian	(72) GALULA, Yaron
(11) EP3363183	(31) 201810007922	BEN-NOON, Ofer
(21) EP16801571.7	(32) 04.01.2018	LAVI, Oron
(47) 16.09.2020	(33) China	KAPOTA, Ofer
(87) IB2016056164		KOVELMAN, Alexei
20.04.2017	(51) H04L 29/06	(31) 201562185929 P
(22) 14.10.2016	H04L 29/08	(32) 29.06.2015
(54) METHOD AND DEVICE FOR DYNAMICAL PROTOCOL SELECTION	H04L 29/14	(33) United States of America
(73) WSense S.r.l.	H04W 12/06	
(72) PETRIOLI, Chiara	G06F 21/41	(51) H04L 29/06
LO PRESTI, Francesco	(11) EP3533205	H04L 29/08
DI VALERIO, Valerio	(21) EP17826388.5	H04W 28/00
SPACCINI, Daniele	(47) 16.09.2020	(11) EP2934040
PICARI, Luigi	(87) US2017066610	(21) EP12890976.9
(31) UB20155063	25.10.2018	(47) 16.09.2020
(32) 16.10.2015	(22) 15.12.2017	(87) CN2012088127
(33) Italy	(54) PASSING AUTHENTICATION INFORMATION VIA PARAMETERS	03.07.2014
(51) H04L 29/06	(73) Google LLC	(22) 31.12.2012
H04L 29/08	(72) LEWIS, Justin	(54) METHOD FOR PROVIDING APPLICATION SERVICE
(11) EP3625952	KASINA, Abhiram	(73) Huawei Technologies Co., Ltd.
(21) EP17727816.5	(31) 201762486852 P	(72) ZHU, Zhiming
(47) 16.09.2020	(32) 18.04.2017	CAO, Mingrong
(87) EP2017061595	(33) United States of America	HE, Chengkai
22.11.2018		
(22) 15.05.2017	(51) H04L 29/06	(51) H04L 29/06
(54) TOPIC HANDLING IN MQTT NETWORKS	H04L 29/08	H04L 29/08
(73) Telefonaktiebolaget LM Ericsson (PUBL)	H04N 7/15	H04W 28/02
(72) NALLURI, Srinivasa Rao	(11) EP3051773	H04W 52/02
KERÄNEN, Ari	(21) EP13896107.3	H04W 84/12
	(47) 16.09.2020	H04W 88/18
(51) H04L 29/06	(87) CN2013085935	H04W 76/30
	30.04.2015	(11) EP3235337
	(22) 25.10.2013	(21) EP15870630.9
		(47) 16.09.2020

(87) US2015062918 23.06.2016	(31) 201762609623 P	YAMADA, Tetsuya
(22) 30.11.2015	(32) 22.12.2017	(31) 2016199945
(54) NETWORK PROXY FOR ENERGY EFFICIENT VIDEO STREAMING ON MOBILE DEVICES	(33) United States of America	(32) 11.10.2016
(73) Intel Corporation	(51) H04L 29/06	(33) Japan
(72) PETRIA, Silviu	H04W 12/00	(51) H04L 29/06
MILESCU, George	H04W 12/02	H04W 12/06
DAVIDOAI, Bogdan	H04W 12/04	(11) EP3266181
(31) 201414576865	H04W 40/02	(21) EP16707434.3
(32) 19.12.2014	H04W 68/00	(47) 16.09.2020
(33) United States of America	H04W 4/00	(87) EP2016054369
(51) H04L 29/06	(11) EP3429246	09.09.2016
H04M 1/725	(21) EP18193144.5	(22) 02.03.2016
H04W 48/14	(47) 16.09.2020	(54) IDENTIFICATION AND/OR
H04W 84/12	(22) 13.06.2016	AUTHENTICATION SYSTEM AND
H04W 4/90	(54) NETWORK ARCHITECTURE AND	METHOD
H04W 76/50	SECURITY WITH ENCRYPTED CLIENT	(73) Pirwitz, Bjoern
(11) EP3451625	DEVICE CONTEXTS	Vantaggiato, Daniele
(21) EP18202183.2	(73) QUALCOMM Incorporated	(72) Pirwitz, Bjoern
(47) 16.09.2020	(72) LEE, Soo Bum	Vantaggiato, Daniele
(22) 17.11.2010	HORN, Gavin Bernard	(31) 15157247
(54) SYSTEM AND METHOD FOR	PALANIGOUNDER, Anand	(32) 02.03.2015
MULTIMEDIA EMERGENCY ACCESS	ESCOTT, Adrian Edward	(33) European Patent Office (EPO)
IN A WIRELESS NETWORK	FACCIN, Stefano	(51) H04L 29/06
(73) BlackBerry Limited	(31) 201562191457 P	H04W 12/06
(72) McCANN, Stephen	201662320506 P	G06F 21/10
MONTEMURRO, Michael Peter	201615160198	G06F 21/51
(31) 26687409 P	(32) 12.07.2015	(11) EP3338187
89884410	09.04.2016	(21) EP17813744.4
(32) 04.12.2009	20.05.2016	(47) 16.09.2020
06.10.2010	(33) United States of America	(87) US2017031764
(33) United States of America	United States of America	21.12.2017
United States of America	United States of America	(22) 09.05.2017
(51) H04L 29/06	(51) H04L 29/06	(54) DEVICE-LEVEL AUTHORIZATION FOR
H04W 4/00	H04W 12/00	VIEWING CONTENT
(11) EP2957085	H04W 12/08	(73) Apple Inc.
(21) EP14707579.0	G06F 21/60	(72) FOLSE, Jennifer L.C.
(47) 16.09.2020	(11) EP2641449	LOCHHEAD, Jonathan
(87) US2014016518	(21) EP11841258.4	GRUENKE, Florian
21.08.2014	(47) 16.09.2020	BACHMAN, William M.
(22) 14.02.2014	(87) CA2011050707	(31) 201662348978 P
(54) SERVICE LAYER RESOURCE	24.05.2012	201615272397
PROPAGATION ACROSS DOMAINS	(22) 15.11.2011	(32) 12.06.2016
(73) Convida Wireless, LLC	(54) CONTROLLING DATA TRANSFER ON	21.09.2016
(72) LU, Guang, X.	MOBILE DEVICES	(33) United States of America
SEED, Dale, N.	(73) BlackBerry Limited	United States of America
RUSSELL, Paul, L., Jr.	(72) TU, Van Quy	(51) H04L 29/06
(31) 201361765325 P	ADAMS, Neil Patrick	H04W 12/06
(32) 15.02.2013	TAKACS, Kristof	G06F 21/30
(33) United States of America	FARRAKHA, Ahmed Mohamed	G06F 21/33
(51) H04L 29/06	HARAMATI, Yaniv	(11) EP3579524
H04W 8/18	(31) 413931 P	(21) EP19188893.2
H04W 8/20	(32) 15.11.2010	(47) 16.09.2020
H04W 12/06	(33) United States of America	(22) 12.02.2016
H04W 52/02	(51) H04L 29/06	(54) DIGITAL IDENTITY SYSTEM
H04W 88/04	H04W 12/04	(73) Yoti Holding Limited
H04W 76/14	H04W 12/06	(72) RODRIGUEZ, Francisco Angel Garcia
(11) EP3503607	H04W 36/00	POWLESLAND, Piers
(21) EP18198603.5	(11) EP3310095	GRECI, Paolo
(47) 16.09.2020	(21) EP17193318.7	WITHERS, Laurence
(22) 04.10.2018	(47) 16.09.2020	LOUGHLIN-MCHUGH, Eleanor Simone
(54) INFORMATION-CAPTURING SYSTEM	(22) 26.09.2017	Frederika
AND COMMUNICATION METHOD FOR	(54) EDGE SERVER, ENCRYPTION	SZCZESNIAK, Romek Edward
THE SAME	COMMUNICATION CONTROL METHOD	(31) 201514622527
(73) Getac Technology Corporation	THEREOF, AND TERMINAL	201514622709
(72) LIN, Shi-Tsan	(73) FUJITSU LIMITED	201514622549
	(72) IMAI, Satoshi	201514622737
	SEKIYA, Motoyoshi	201514622740
	KATAGIRI, Toru	201509808

<p>(32) 13.02.2015 13.02.2015 13.02.2015 13.02.2015 13.02.2015 05.06.2015</p> <p>(33) United States of America United Kingdom</p> <hr/> <p>(51) H04L 29/06 H04W 12/06 H04W 48/16 H04W 48/18</p> <p>(11) EP3525521 (21) EP19166919.1 (47) 16.09.2020 (22) 13.02.2014</p> <p>(54) PUBLIC LAND MOBILE NETWORK ("PLMN") DISCOVERY COMMUNICATIONS IN A WIRELESS NETWORK</p> <p>(73) BlackBerry Limited (72) MCCANN, Stephen MONTEMURRO, Michael Peter</p> <p>(31) 201313768724 (32) 15.02.2013 (33) United States of America</p> <hr/> <p>(51) H04L 29/06 H04W 24/04 G06F 21/31</p> <p>(11) EP2949144 (21) EP14704451.5 (47) 16.09.2020 (87) US2014012990 31.07.2014</p> <p>(22) 24.01.2014</p> <p>(54) ADAPTIVE OBSERVATION OF BEHAVIORAL FEATURES ON A MOBILE DEVICE</p> <p>(73) Qualcomm Incorporated (72) GUPTA, Rajarshi SRIDHARA, Vinay GATHALA, Sudha Anil Kumar WEI, Xuetao CHRISTODORESCU, Mihai</p> <p>(31) 201361756963 P 201313923547 201361882833 P 201414161853</p> <p>(32) 25.01.2013 21.06.2013 26.09.2013 23.01.2014</p> <p>(33) United States of America United States of America United States of America United States of America</p> <hr/> <p>(51) H04L 29/08 (11) EP3046307 (21) EP14792021.9 (47) 16.09.2020 (87) CN2014074556 06.11.2014 (22) 01.04.2014</p>	<p>(54) PROCESSING METHOD, DEVICE AND SYSTEM FOR DATA OF DISTRIBUTED STORAGE SYSTEM</p> <p>(73) ZTE Corporation (72) GUO, Bin CHEN, Zhenghua HAN, Yinjun GAO, Hong CHENG, Ning</p> <p>(31) 201310474020 (32) 11.10.2013 (33) China</p> <hr/> <p>(51) H04L 29/08 (11) EP3264723 (21) EP15887311.7 (47) 16.09.2020 (87) CN2015097406 06.10.2016</p> <p>(22) 15.12.2015</p> <p>(54) METHOD, RELATED APPARATUS AND SYSTEM FOR PROCESSING SERVICE REQUEST</p> <p>(73) Huawei Technologies Co., Ltd. (72) GAO, Dawei (31) 201510148072 (32) 31.03.2015 (33) China</p> <hr/> <p>(51) H04L 29/08 (11) EP3434000 (21) EP17798760.9 (47) 16.09.2020 (87) CN2017084933 23.11.2017</p> <p>(22) 18.05.2017</p> <p>(54) METHOD FOR FLEXIBLE SPARSE CODE MULTIPLE ACCESS CODEBOOK DESIGN, TRANSMISSION AND DETECTION</p> <p>(73) Huawei Technologies Co., Ltd. (72) TAHERZADEH BOROUJENI, Mahmoud BAYESTEH, Alireza BALIGH, Mohammadhadi</p> <p>(31) 201662339275 P 201662377019 P (32) 20.05.2016 19.08.2016 (33) United States of America United States of America</p> <hr/> <p>(51) H04L 29/08 (11) EP3526952 (21) EP17788160.4 (47) 16.09.2020 (87) EP2017075757 19.04.2018</p> <p>(22) 10.10.2017</p> <p>(54) RELAY IN AN LPWAN-TYPE COMMUNICATION SYSTEM</p> <p>(73) Sagemcom Energy & Telecom SAS (72) TEBoulLE, Henri LE GOURRIEREC, Marc</p> <p>(31) 1659900 (32) 13.10.2016 (33) France</p> <hr/> <p>(51) H04L 29/08 G06F 9/445 (11) EP3516847 (21) EP17772551.2 (47) 16.09.2020</p>	<p>(87) US2017051237 22.03.2018 (22) 13.09.2017</p> <p>(54) DEPLOYMENT OF APPLICATIONS CONFORMING TO APPLICATION DATA SHARING AND DECISION SERVICE PLATFORM SCHEMA</p> <p>(73) Microsoft Technology Licensing, LLC (72) MOWATT, David O'DRISCOLL, Stephen</p> <p>(31) 201615268930 (32) 19.09.2016 (33) United States of America</p> <hr/> <p>(51) H04L 29/08 G06F 16/95 (11) EP3271833 (21) EP16712634.1 (47) 16.09.2020 (87) US2016022574 22.09.2016</p> <p>(22) 16.03.2016</p> <p>(54) RESOURCE PRIORITIZATION AND COMMUNICATION-CHANNEL ESTABLISHMENT</p> <p>(73) Liveperson Inc. (72) MILLER, Grant Lawrence CAMPBELL, Marc</p> <p>(31) 201562133670 P (32) 16.03.2015 (33) United States of America</p> <hr/> <p>(51) H04L 29/08 G06F 21/30 G06F 21/62 G06F 9/445 H04W 4/50</p> <p>(11) EP3037962 (21) EP13891930.3 (47) 16.09.2020 (87) JP2013072220 26.02.2015</p> <p>(22) 20.08.2013</p> <p>(54) INFORMATION PROCESSING DEVICE, COMMUNICATION DEVICE, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING PROGRAM</p> <p>(73) Fujitsu Limited (72) NODA, Masahide YURA, Junichi KIHARA, Hideto OHNO, Takashi</p> <hr/> <p>(51) H04L 29/08 H04L 12/725 H04L 12/931</p> <p>(11) EP3058687 (21) EP14795697.3 (47) 16.09.2020 (87) US2014059011 23.04.2015</p> <p>(22) 03.10.2014</p> <p>(54) CONFIGURABLE SERVICE PROXY MAPPING</p> <p>(73) Cisco Technology, Inc. (72) QUINN, Paul GUICHARD, James KUMAR, Surendra</p> <p>(31) 201314052968 (32) 14.10.2013</p>
---	---	--

(33) United States of America	(22) 19.07.2017	(54) METHOD AND APPARATUS FOR
(51) H04L 29/08	(54) COMMUNICATION DEVICE AND	PROCESSING DATA AND MESSAGE
H04L 29/12	COMMUNICATION METHOD	(73) Huawei Device Co., Ltd.
H04L 12/70	(73) Sony Corporation	(72) HUANG, Jiejing
(11) EP3491809	(72) YAMAURA, Tomoya	WU, Huangwei
(21) EP17749331.9	(31) 2016182296	HUANG, Xi
(47) 16.09.2020	(32) 16.09.2016	(51) H04M 1/725
(87) US2017044508	(33) Japan	G06F 3/0481
08.02.2018	(51) H04L 29/08	G06F 3/0484
(22) 28.07.2017	H04W 8/18	G06F 3/0488
(54) SYSTEMS AND METHODS FOR NAT	H04W 12/02	(11) EP3262829
DEVICE SELECTION	H04W 12/04	(21) EP16755940.0
(73) Big Switch Networks LLC	H04W 4/00	(47) 16.09.2020
(72) MODI, Sudeep	H04W 4/50	(87) KR2016001960
LANE, Richard	(11) EP3457671	01.09.2016
SONG, Ning	(21) EP18198671.2	(22) 26.02.2016
YANG, Mei	(47) 16.09.2020	(54) METHOD OF MANAGING ONE
MAIER, Gregor	(22) 07.05.2014	OR MORE NOTIFICATIONS AND
RAMASUBRAMANIAN, Srinivasan	(54) METHOD FOR ACCESSING A	ELECTRONIC DEVICE FOR SAME
(31) 201615225368	SERVICE, CORRESPONDING DEVICE	(73) Samsung Electronics Co., Ltd.
(32) 01.08.2016	AND SYSTEM	(72) LEE, Jae-Ho
(33) United States of America	(73) Thales Dis France SA	KONG, Kyu-Chul
(51) H04L 29/08	(72) QUIRICONI, Jean-Remi	JEONG, Hye-Soon
H04M 1/725	ROUSSEL, Nicolas	CHOI, Hyun-Suk
H04W 24/02	(31) 13305594	(31) 20150028654
H04W 84/18	(32) 07.05.2013	(32) 27.02.2015
H04W 76/20	(33) European Patent Office (EPO)	(33) Korea (Republic)
(11) EP3158465	(51) H04L 29/12	(51) H04M 3/38
(21) EP15724517.6	H04W 4/80	H04W 8/26
(47) 16.09.2020	(11) EP3462753	H04W 12/00
(87) EP2015001045	(21) EP18208360.0	H04W 12/06
23.12.2015	(47) 16.09.2020	H04W 74/00
(22) 22.05.2015	(22) 01.04.2016	H04W 4/70
(54) METHOD, DEVICE, AND SYSTEM FOR	(54) EFFICIENT NETWORK STACK	H04W 76/11
ESTABLISHING AND OPERATING A	FOR WIRELESS APPLICATION	(11) EP2400734
WIRELESS NETWORK	PROTOCOLS	(21) EP11181988.4
(73) WABCO GmbH	(73) Google LLC	(47) 16.09.2020
(72) DIECKMANN, Thomas	(72) ERICKSON, Grant Michael	(22) 19.02.2009
GLAVINIC, Anelko	TURON, Martin A.	(54) Telecommunications network and method
HÖWING, Frank	HUI, Jonathan Wing-Yan	for time-based network access
KÜHNE, Sebastian	(31) 201562141853 P	(73) Koninklijke KPN N.V.
LAUDE, Ulf	(32) 02.04.2015	(72) Schenk, Michael
WOLF, Thomas	(33) United States of America	van Loon, Johannes Maria
(31) 102014009242	(51) H04M 1/02	(31) 08003753
(32) 20.06.2014	(11) EP3588920	(32) 29.02.2008
(33) Germany	(21) EP19181582.8	(33) European Patent Office (EPO)
(51) H04L 29/08	(47) 16.09.2020	(51) H04M 3/42
H04W 4/20	(22) 21.06.2019	H04M 3/56
(11) EP2813057	(54) CAMERA DECORATION FOR	(11) EP3179706
(21) EP13706348.3	A CAMERA MODULE IN AN	(21) EP15835499.3
(47) 16.09.2020	ELECTRONIC APPARATUS	(47) 16.09.2020
(87) US2013025091	(73) GUANGDONG OPPO MOBILE	(87) CN2015083221
15.08.2013	TELECOMMUNICATIONS CORP., LTD.	03.03.2016
(22) 07.02.2013	(72) XU, Lisi	(22) 02.07.2015
(54) METHOD AND APPARATUS FOR	LIN, Yuxian	(54) METHOD, DEVICE, AND SYSTEM FOR
DISCOVERING WIRELESS DEVICES	(31) 201820966248 U	AUDIO RECORDING
(73) Marvell Asia Pte, Ltd.	(32) 21.06.2018	(73) HUAWEI TECHNOLOGIES CO., LTD.
(72) LAMBERT, Paul A.	(33) China	(72) ZHU, Hongliang
(31) 201261596377 P	(51) H04M 1/67	(31) 201410431470
(32) 08.02.2012	H04M 1/725	(32) 28.08.2014
(33) United States of America	H04W 12/02	(33) China
(51) H04L 29/08	(11) EP2830296	(51) H04M 3/428
H04W 8/00	(21) EP13866491.7	H04M 3/51
(11) EP3361817	(47) 16.09.2020	H04M 3/523
(21) EP17850539.2	(87) CN2013077502	H04M 7/00
(47) 16.09.2020	24.12.2014	(11) EP2822261
(87) JP2017026060	(22) 19.06.2013	(21) EP14002120.5
22.03.2018		(47) 16.09.2020

(22) 19.06.2014	(87) US2015028347	H04N 9/804
(54) METHOD AND ASSEMBLY FOR POOLING MULTIMODAL WAITING FIELDS AND SEARCHING CURRENT TELEPHONE CALLS FOR A USER IN A TELECOMMUNICATIONS NETWORK	(22) 29.04.2015 (54) DUAL-MICROPHONE CAMERA (73) GoPro, Inc. (72) TISCH, Erich BARBIER, Fabrice CAMPBELL, Scott Patrick	H04N 9/82 (11) EP3490250 (21) EP18211097.3 (47) 16.09.2020 (22) 06.03.2014 (54) IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD
(73) SIKOM Software GmbH (72) Heintz, Frank (31) 102013010208 (32) 20.06.2013 (33) Germany	(31) 201414275696 (32) 12.05.2014 (33) United States of America	(73) CANON KABUSHIKI KAISHA (72) NOZAWA, Shingo ITO, Masamichi
(51) H04M 3/51 (11) EP2582123 (21) EP12188201.3 (47) 16.09.2020 (22) 11.10.2012 (54) MULTI-MODAL CUSTOMER CARE SYSTEM	(51) H04N 1/405 B33Y 50/00 B29C 64/386 G06F 30/00 (11) EP3235235 (21) EP15719151.1 (47) 16.09.2020	(31) 2013053244 2013053245 (32) 15.03.2013 15.03.2013 (33) Japan Japan
(73) Nuance Communications, Inc. (72) Mauro, David Raman, Vijay (31) 201161546876 P 201213416086 (32) 13.10.2011 09.03.2012 (33) United States of America United States of America	(87) EP2015057271 06.10.2016 (22) 01.04.2015 (54) STRUCTURE FORMING FOR A THREE-DIMENSIONAL OBJECT (73) Hewlett-Packard Development Company, L.P. (72) MOROVIC, Jan MOROVIC, Peter GARCIA-REYERO VINAS, Juan Manuel	(51) H04N 5/225 H04N 5/232 H04N 13/178 H04N 13/243 H04N 13/25 H04N 13/271 (11) EP3275183 (21) EP16773674.3 (47) 16.09.2020 (87) US2016019788 06.10.2016
(51) H04M 15/00 H04M 15/06 H04W 4/24 (11) EP2791886 (21) EP12858240.0 (47) 16.09.2020 (87) US2012069568 20.06.2013 (22) 13.12.2012 (54) COMMUNICATION TRACKING AND BILLING SYSTEM	(51) H04N 1/44 G06F 21/30 G06F 21/44 G06F 21/60 G06F 21/83 (11) EP2667317 (21) EP13167013.5 (47) 16.09.2020 (22) 08.05.2013 (54) Image processing apparatus, method for controlling image processing apparatus, and program	(22) 26.02.2016 (54) CONTROLLING USER ACCESS TO IMAGE SENSORS OF A CAMERA DEVICE (73) Intel Corporation (72) KUO, Chia-Hung S. TAO, Tao RAJ, Guru HICKS, Richmond (31) 201514671705 (32) 27.03.2015 (33) United States of America
(73) Amana Future, LLC (72) AL-ZABEN, Ibrahim, N. (31) 201161576969 P 201213712602 (32) 16.12.2011 12.12.2012 (33) United States of America United States of America	(73) Canon Kabushiki Kaisha (72) Kawashima, Yasuaki (31) 2012115757 (32) 21.05.2012 (33) Japan	(51) H04N 5/232 H04N 5/262 G06F 3/0488 (11) EP3512192 (21) EP19158666.8 (47) 16.09.2020 (22) 13.03.2014 (54) ELECTRONIC DEVICE AND METHOD FOR IMAGE PROCESSING
(51) H04N 1/00 H05K 1/02 (11) EP3503695 (21) EP18208843.5 (47) 16.09.2020 (22) 28.11.2018 (54) SUBSTRATE, POWER SUPPLY DEVICE, AND SUBSTRATE INSULATION METHOD	(31) 2016053487 25.08.2016 (22) 18.02.2016 (54) METHOD FOR COLOUR MATCHING PRINTERS (73) Canon Production Printing Netherlands B.V. (72) VAN DER LINDEN, Erwin A.R. GOLDSCHMIDT, Arjen D.	(73) Samsung Electronics Co., Ltd. (72) LEE, Woo-Yong SONG, Jae-Yun O, Kang-Hwan KIM, Hyun-Jung (31) 20130027590 (32) 14.03.2013 (33) Korea (Republic)
(73) Ricoh Company, Ltd. (72) MITANI, Yukihiko YOSHIKAWA, Keita (31) 2017231227 (32) 30.11.2017 (33) Japan	(31) 15155696 (32) 19.02.2015 (33) European Patent Office (EPO)	(51) H04N 5/347 H04N 5/369 H04N 5/378 H04N 9/04 (11) EP3485634 (21) EP17754265.1 (47) 16.09.2020 (87) EP2017067223 18.01.2018 (22) 10.07.2017
(51) H04N 1/21 H04N 5/232 H04R 3/00 G06T 7/20 (11) EP3143462 (21) EP15793630.3 (47) 16.09.2020	(51) H04N 5/225 H04N 5/232 H04N 5/77 H04N 5/91 H04N 5/93 H04N 9/04 H04N 9/80	

(54) LIGHT-SENSOR MODULE AND METHOD FOR OPERATING A LIGHT-SENSOR MODULE	H04L 29/06 H04L 29/08 H04N 7/08	H04N 19/80 (11) EP2941891 (21) EP14700048.3 (47) 16.09.2020 (87) EP2014050065 10.07.2014 (22) 04.01.2014 (54) EFFICIENT SCALABLE CODING CONCEPT
(73) Robert Bosch GmbH	(11) EP2543186	(73) GE Video Compression, LLC
(72) SEGER, Ulrich GEESE, Marc	(21) EP11750945.5 (47) 16.09.2020	(72) SÜHRING, Karsten SCHIERL, Thomas GEORGE, Valeri MARPE, Detlev SKUPIN, Robert
(31) 102016212797	(87) KR2011001513 09.09.2011	(31) 201361749042 P 201361809605 P
(32) 13.07.2016	(22) 04.03.2011	(32) 04.01.2013 08.04.2013
(33) Germany	(54) APPARATUS AND METHOD FOR PROVIDING STREAMING SERVICE IN A DATA COMMUNICATION NETWORK	(33) United States of America United States of America
(51) H04N 5/357	(73) Samsung Electronics Co., Ltd	(51) H04N 19/105 H04N 19/11 H04N 19/157 H04N 19/176 H04N 19/593 H04N 19/70 H04N 19/91
G01D 5/24 G06F 3/041 G06F 3/044 G06K 9/34 G06K 9/40 G06T 5/00	(72) CHO, Seong-Ho PARK, Kyung-Mo	(11) EP2773118 (21) EP12843965.0 (47) 16.09.2020 (87) KR2012003078 02.05.2013 (22) 20.04.2012 (54) METHOD AND APPARATUS FOR IMAGE DECODING
(11) EP3374849	(31) 20100020029	(73) INNATIVE LTD (72) PARK, Shin Ji (31) 20110108455
(21) EP16797600.0	(32) 05.03.2010	(32) 24.10.2011
(47) 16.09.2020	(33) Korea (Republic)	(33) Korea (Republic)
(87) GB2016053489 18.05.2017	(51) H04N 9/31	(51) H04N 19/11 H04N 19/146 H04N 19/176 H04N 19/182 H04N 19/44 H04N 19/46 H04N 19/513 H04N 19/593 H04N 19/61 H04N 19/91
(22) 08.11.2016	(11) EP3476122	(11) EP3148193 (21) EP16195152.0 (47) 16.09.2020 (22) 07.06.2005 (54) METHOD AND APPARATUS FOR LOSSLESS VIDEO DECODING
(54) PROCESSING SIGNALS FROM A TOUCHSCREEN PANEL	(21) EP17736832.1 (47) 16.09.2020	(73) Sejong Industry-Academy Cooperation Foundation Samsung Electronics Co., Ltd.
(73) Cambridge Touch Technologies, Ltd.	(87) US2017038829 28.12.2017	(72) LEE, Yung-Lyul HAN, Ki-Hoon LEE, Yung-Ki
(72) NATHAN, Arokia GAO, Shuo LAI, Jackson	(22) 22.06.2017	(31) 20040041399 20040058349
(31) 201519948	(54) RENDERING WIDE COLOR GAMUT, TWO-DIMENSIONAL (2D) IMAGES ON THREE-DIMENSIONAL (3D) CAPABLE DISPLAYS	(32) 07.06.2004 26.07.2004
(32) 12.11.2015	(73) Dolby Laboratories Licensing Corporation	(33) Korea (Republic)
(33) United Kingdom	(72) RICHARDS, Martin J. DAVIES, Trevor PENNA, Ashley	
(51) H04N 5/44	(31) 201662353325 P 201662402296 P	
H04N 21/422 G06F 3/041 G08C 17/02 G08C 23/04 G06F 3/0484 G06F 3/0488	(32) 22.06.2016 30.09.2016	
(11) EP3317756	(33) United States of America United States of America	
(21) EP16739046.7	(51) H04N 13/302	
(47) 16.09.2020	H04N 13/351 H04N 13/368 H04N 13/376 H04N 13/398	
(87) EP2016065331 05.01.2017	(11) EP3241350	
(22) 30.06.2016	(21) EP15817420.1 (47) 16.09.2020	
(54) METHOD AND DEVICE FOR CONTROLLING A LEVEL SETTING OF A REMOTE APPLIANCE USING A PORTABLE TOUCH-SENSITIVE DEVICE	(87) EP2015081389 07.07.2016	
(73) Softathome	(22) 30.12.2015	
(72) SOUHAMI, David MAKOWSKI, Wojciech	(54) AUTOSTEREOSCOPIC MULTI-VIEW SYSTEM	
(31) 1556183	(73) SeeFront GmbH	
(32) 30.06.2015	(72) GROSSMANN, Christoph	
(33) France	(31) 14200536	
(51) H04N 7/14	(32) 30.12.2014	
H04N 7/15	(33) European Patent Office (EPO)	
(11) EP2466885	(51) H04N 19/102	
(21) EP11172282.3	H04N 19/119 H04N 19/12 H04N 19/174 H04N 19/187 H04N 19/30 H04N 19/33 H04N 19/436 H04N 19/46 H04N 19/59 H04N 19/70	
(47) 16.09.2020		
(22) 30.06.2011		
(54) Video muting		
(73) Mitel Networks Corporation		
(72) Erb, Paul Andrew		
(31) 928768		
(32) 16.12.2010		
(33) United States of America		
(51) H04N 7/173		

Korea (Republic)	27.12.2012	(31) 201313903545
(51) H04N 19/117	(22) 22.06.2012	(32) 28.05.2013
H04N 19/13	(54) METHOD AND APPARATUS FOR	(33) United States of America
H04N 19/157	MOTION COMPENSATED PREDICTION	(51) H04N 21/218
H04N 19/196	(73) NTT DOCOMO, INC.	H04N 21/2343
H04N 19/42	(72) BOSSEN, Frank Jan	H04N 21/262
H04N 19/59	(31) 201161501112 P	H04N 21/43
H04N 19/593	(32) 24.06.2011	H04N 21/845
H04N 19/82	(33) United States of America	(11) EP3466083
(11) EP3363198	(51) H04N 19/52	(21) EP17727532.8
(21) EP15866402.9	(11) EP1658726	(47) 16.09.2020
(47) 16.09.2020	(21) EP04783325.6	(87) EP2017062517
(87) RU2015000796	(47) 16.09.2020	30.11.2017
26.05.2017	(87) US2004029035	(22) 24.05.2017
(22) 17.11.2015	24.03.2005	(54) SPATIALLY TILED OMNIDIRECTIONAL
(54) METHOD AND APPARATUS OF	(22) 03.09.2004	VIDEO STREAMING
ADAPTIVE FILTERING OF SAMPLES	(54) INNOVATIONS IN CODING AND	(73) Koninklijke KPN N.V.
FOR VIDEO CODING	DECODING MACROBLOCK AND	(72) D'ACUNTO, Lucia
(73) Huawei Technologies Co., Ltd.	MOTION INFORMATION FOR	THOMAS, Emmanuel
(72) FILIPPOV, Alexey Konstantinovich	INTERLACED AND PROGRESSIVE	VAN DEVENTER, Mattijs, Oskar
RUFITSKIY, Vasily Alexeevich	VIDEO	VAN BRANDENBURG, Ray
(51) H04N 19/117	(73) Microsoft Technology Licensing, LLC	VEENHUIZEN, Arjen
H04N 19/132	(72) HSU, Pohsinag Microsoft Corporation	(31) 16001189
H04N 19/147	HOLCOMB, Thomas, W.	16172029
H04N 19/176	LI, Chih-Lung Microsoft Corporation	(32) 25.05.2016
H04N 19/186	SRINIVASAN, Sridhar Microsoft	30.05.2016
H04N 19/82	Corporation	(33) European Patent Office (EPO)
H04N 19/88	MUKERJEE, Kunal Microsoft Corporation	European Patent Office (EPO)
(11) EP3565251	(31) 50108103 P	(51) H04N 21/2187
(21) EP19179997.2	85747304	H04N 21/234
(47) 16.09.2020	93388204	H04N 21/2343
(22) 04.03.2014	(32) 07.09.2003	H04N 21/236
(54) ADAPTIVE SWITCHING OF COLOR	27.05.2004	H04N 21/24
SPACES	02.09.2004	H04N 21/437
(73) Microsoft Technology Licensing, LLC	(33) United States of America	H04N 21/61
(72) LI, Bin	United States of America	H04N 21/6583
XU, Jizheng	United States of America	H04N 21/81
WU, Feng	(51) H04N 21/20	H04N 7/18
(51) H04N 19/176	G10L 15/10	(11) EP3257251
H04N 19/182	G10L 15/22	(21) EP15790189.3
H04N 19/51	(11) EP3089157	(47) 16.09.2020
H04N 19/513	(21) EP14874773.6	(87) GB2015053149
H04N 19/54	(47) 16.09.2020	18.08.2016
(11) EP3197165	(87) JP2014006367	(22) 21.10.2015
(21) EP15846328.1	02.07.2015	(54) VIDEO ENCODER
(47) 16.09.2020	(22) 22.12.2014	(73) Digital Barriers Services Ltd
(87) CN2015076659	(54) VOICE RECOGNITION PROCESSING	(72) LAMBERT, Robert
07.04.2016	DEVICE, VOICE RECOGNITION	INNES, Gordon
(22) 15.04.2015	PROCESSING METHOD, AND DISPLAY	DIDSBURY, Andrew
(54) IMAGE PREDICTION METHOD AND	DEVICE	(31) 201502434
RELEVANT DEVICE	(73) Panasonic Intellectual Property	(32) 13.02.2015
(73) Huawei Technologies Co. Ltd.	Management Co., Ltd.	(33) United Kingdom
University of Science and Technology of	(72) KOGANEI, Tomohiro	(51) H04N 21/234
China	KONUMA, Tomohiro	H04N 21/422
(72) LI, Li	(31) 2013268669	H04N 21/44
LI, Houqiang	(32) 26.12.2013	H04N 21/81
LV, Zhuoyi	(33) Japan	G06F 3/16
LIN, Sixin	(51) H04N 21/20	G10L 15/26
(31) 201410526608	H04L 29/06	G06Q 30/02
(32) 30.09.2014	(11) EP3005647	G10L 17/22
(33) China	(21) EP14733784.4	(11) EP3360335
(51) H04N 19/42	(47) 16.09.2020	(21) EP16788848.6
H04N 19/523	(87) US2014038567	(47) 16.09.2020
H04N 19/82	04.12.2014	(87) US2016056134
(11) EP2724540	(22) 19.05.2014	13.04.2017
(21) EP12803489.9	(54) PULL-BASED MEDIA SYSTEM	(22) 07.10.2016
(47) 16.09.2020	(73) Cisco Technology, Inc.	(54) EVENT-BASED SPEECH INTERACTIVE
(87) US2012043674	(72) ORAN, David, R.	MEDIA PLAYER

(73) Xappmedia, Inc.	(22) 26.11.2014	(31) 201261591714 P
(72) HIGBIE, Patrick B.	(54) INTERACTIVE MEDIA SYSTEM	201261598041 P
KELVIE, John P.	(73) Muuselabs NV	201261666346 P
MYERS, Michael M.	(72) MARESCAUX, Théodore	(32) 27.01.2012
RAINES, Franklin D.	PIRICOVA, Maria	13.02.2012
(31) 201514880084	BELKIN, Danny	29.06.2012
(32) 09.10.2015	PALMERS, Pieter	(33) United States of America
(33) United States of America	MOFFAT, William	United States of America
(51) H04N 21/2343	(31) 201361909174 P	United States of America
H04N 21/235	(32) 26.11.2013	(51) H04R 1/06
H04N 21/258	(33) United States of America	H04R 7/04
H04N 21/2662	(51) H04N 21/439	H04R 7/16
(11) EP2859729	H04L 12/28	H04R 9/02
(21) EP13732021.4	H04L 29/08	H04R 31/00
(47) 16.09.2020	H04W 84/18	(11) EP3288287
(87) US2013045256	H04W 4/00	(21) EP15889764.5
19.12.2013	(11) EP3552409	(47) 16.09.2020
(22) 11.06.2013	(21) EP17804037.4	(87) CN2015097964
(54) A DISTRIBUTED ARCHITECTURE FOR	(47) 16.09.2020	27.10.2016
ENCODING AND DELIVERING VIDEO	(87) US2017060820	(22) 18.12.2015
CONTENT	14.06.2018	(54) SILICA GEL DIAPHRAGM, SPEAKER
(73) Coherent Logix, Incorporated	(22) 09.11.2017	MODULE, AND METHOD FOR
(72) BRUNS, Michael W.	(54) SMART NOTIFICATIONS BETWEEN	REPROCESSING SILICA GEL
SOLKA, Michael B.	DEVICES	DIAPHRAGM
DOBBS, Carl	(73) Qualcomm Incorporated	(73) Goertek Inc.
HUNT, Martin A.	(72) KOTREKA, Ravi Kanth	(72) LIU, Chunfa
DOERR, Michael B.	PATEL, Harinath Reddy	GUO, Xiaodong
ENG, Tommy K.	BANSAL, Pankaj	(31) 201510204166
(31) 201261658761 P	AKKAPALLY, Mahender Reddy	(32) 23.04.2015
(32) 12.06.2012	PERURU, Praveen	(33) China
(33) United States of America	SABAPATHI, Karthikeyan	(51) H04R 1/06
(51) H04N 21/2362	SINHA, Abhijeet	H04R 9/02
H04N 21/81	(31) 201615375138	H04R 9/08
H04N 21/845	(32) 11.12.2016	(11) EP3352476
H04N 19/597	(33) United States of America	(21) EP15903948.6
H04N 19/70	(51) H04N 21/4722	(47) 16.09.2020
H04N 13/194	H04N 21/8543	(87) CN2015094684
(11) EP3110159	H04N 21/8545	23.03.2017
(21) EP15752827.4	G11B 27/031	(22) 16.11.2015
(47) 16.09.2020	(11) EP3198381	(54) RECEIVER
(87) KR2015001727	(21) EP15852544.4	(73) Goertek Inc.
27.08.2015	(47) 16.09.2020	(72) MAO, Linjin
(22) 23.02.2015	(87) CN2015092578	CHEN, Gang
(54) BROADCAST SIGNAL TRANSMITTING	28.04.2016	(31) 201520712594 U
DEVICE AND BROADCAST SIGNAL	(22) 22.10.2015	(32) 15.09.2015
RECEIVING DEVICE	(54) INTERACTIVE VIDEO GENERATION	(33) China
(73) LG Electronics Inc.	(73) Huawei Technologies Co., Ltd.	(51) H04R 1/10
(72) HWANG, Soojin	(72) WU, Zonghuan	H04R 1/32
OH, Hyunmook	KALENDER, Murat	H04R 5/02
SUH, Jongyeul	KANSIN, Can	H04R 5/033
(31) 201461942628 P	CIRAKMAN, Ozgun	H04R 7/04
201461944075 P	EREN, Mustafa Tolga	H04R 7/22
201462073005 P	TIRKAZ, Caglar	H04S 3/00
(32) 21.02.2014	GULTEKIN, Gunay	(11) EP3061266
25.02.2014	KUTLUK, Sezer	(21) EP14787208.9
30.10.2014	(31) 201462067327 P	(47) 16.09.2020
(33) United States of America	(32) 22.10.2014	(87) EP2014072883
United States of America	(33) United States of America	30.04.2015
United States of America	(51) H04Q 1/02	(22) 24.10.2014
(51) H04N 21/418	H04Q 1/06	(54) HEADPHONES AND METHOD FOR
H04N 21/482	(11) EP3322198	PRODUCING HEADPHONES
G11B 27/10	(21) EP17206049.3	(73) Kaetel Systems GmbH
G06F 16/48	(47) 16.09.2020	(72) KAETEL, Klaus
(11) EP3074978	(22) 25.01.2013	(31) 102013221754
(21) EP14803122.2	(54) PATCH PANEL ASSEMBLY	(32) 25.10.2013
(47) 16.09.2020	(73) GolFoton Holdings, Inc.	(33) Germany
(87) EP2014075689	(72) TAKEUCHI, Kenichiro	(51) H04R 1/28
04.06.2015	LU, Haiguang	(11) EP3496418

(21) EP18183084.5	(11) EP3026931	(87) EP2014064784
(47) 16.09.2020	(21) EP15196178.6	14.01.2016
(22) 12.07.2018	(47) 16.09.2020	(22) 10.07.2014
(54) SPEAKER MODULE	(22) 25.11.2015	(54) PERSONAL COMMUNICATION DEVICE
(73) Acer Incorporated	(54) METHOD, SYSTEM AND APPARATUS	HAVING APPLICATION SOFTWARE
(72) CHANG, Jia-Ren	FOR LOUDSPEAKER EXCURSION	FOR CONTROLLING THE OPERATION
LIN, Wan-Chi	DOMAIN PROCESSING	OF AT LEAST ONE HEARING AID
(31) 201762595595 P	(73) BlackBerry Limited	(73) Widex A/S
107106764	(72) VAN SCHYNDEL, Andre	(72) JOHANSEN, Morten Kjaer
(32) 07.12.2017	GORDY, James	(51) H04R 25/00
01.03.2018	LASKA, Brady	(11) EP3369258
(33) United States of America	(31) 201414555632	(21) EP15786980.1
Taiwan, Province of China	(32) 27.11.2014	(47) 16.09.2020
(51) H04R 1/40	(33) United States of America	(87) EP2015075110
H04S 7/00	(51) H04R 5/033	04.05.2017
G10L 21/0272	(11) EP3119109	(22) 29.10.2015
(11) EP3503592	(21) EP16167050.0	(54) SYSTEM AND METHOD FOR
(21) EP17208376.8	(47) 16.09.2020	MANAGING A CUSTOMIZABLE
(47) 16.09.2020	(22) 26.04.2016	CONFIGURATION IN A HEARING AID
(22) 19.12.2017	(54) A HEADSET WITH FORCE ISOLATION	(73) Widex A/S
(54) METHODS, APPARATUSES AND	(73) Voyetra Turtle Beach, Inc.	(72) WESTERMANN, Soren Erik
COMPUTER PROGRAMS RELATING	(72) Cochran, Scot	ANDERSEN, Svend Vitting
TO SPATIAL AUDIO	Wiley, Tim	WESTERGAARD, Anders
(73) Nokia Technologies Oy	Logan, Andy	MARETTI, Niels Erik Boelskift
(72) MATE, Sujeet Shyamsundar	(31) 201514800599	(51) H04R 25/00
LEHTINIEMI, Arto	(32) 15.07.2015	H04W 8/00
ERONEN, Antti	(33) United States of America	(11) EP3358861
LEPPÄNEN, Jussi	(51) H04R 5/04	(21) EP18153877.8
(51) H04R 3/00	H04S 7/00	(47) 16.09.2020
(11) EP1623600	(11) EP3537728	(22) 29.01.2018
(21) EP04731921.5	(21) EP19161250.6	(54) RADIO ACTIVATION AND PAIRING
(47) 16.09.2020	(47) 16.09.2020	THROUGH AN ACOUSTIC
(87) EP2004004980	(22) 07.03.2019	SIGNAL BETWEEN A PERSONAL
18.11.2004	(54) CONNECTION STATE	COMMUNICATION DEVICE AND A
(22) 10.05.2004	DETERMINATION SYSTEM FOR	HEAD-WORN DEVICE
(54) METHOD AND SYSTEM FOR	SPEAKERS, ACOUSTIC DEVICE,	(73) Widex A/S
COMMUNICATION ENHANCEMENT	AND CONNECTION STATE	(72) Ungstrup, Michael
INA NOISY ENVIRONMENT	DETERMINATION METHOD FOR	Pihl, Michael Johannes
(73) Cerence Operating Company	SPEAKERS	Hesselballe, Jan
(72) HAULICK, Tim	(73) Yamaha Corporation	Rank, Mike Lind
SCHMIDT, Gerhard, Uwe	(72) Usui, Atsushi	(31) 201762454348 P
(31) 03010490	Kawano, Kenji	(32) 03.02.2017
03010913	Nakabayashi, Kotaro	(33) United States of America
(32) 09.05.2003	Sato, Ryota	(51) H04R 27/00
15.05.2003	Sekiguchi, Kohei	H04S 7/00
(33) European Patent Office (EPO)	Kano, Masaya	(11) EP3232690
European Patent Office (EPO)	(31) 2018041575	(21) EP17000460.0
(51) H04R 3/00	(32) 08.03.2018	(47) 16.09.2020
H04R 25/00	(33) Japan	(22) 21.03.2017
(11) EP3525487	(51) H04R 25/00	(54) CALIBRATION OF AUDIO PLAYBACK
(21) EP19152034.5	(11) EP2673962	DEVICES
(47) 16.09.2020	(21) EP11702661.7	(73) Sonos, Inc.
(22) 16.01.2019	(47) 16.09.2020	(72) McPherson, Patrick
(54) A COMMUNICATION CHANNEL	(87) EP2011052022	Shih, Shao Fu
BETWEEN A REMOTE CONTROL AND	16.08.2012	Hartung, Klaus
A HEARING ASSISTIVE DEVICE	(22) 11.02.2011	(31) 201615096827
(73) WIDEX A/S	(54) HEARING AID WITH MEANS FOR	(32) 12.04.2016
(72) Pihl, Michael Johannes	ESTIMATING THE EAR PLUG FITTING	(33) United States of America
Thomsen, Sven Creutz	(73) Widex A/S	(51) H04S 1/00
Andersen, Johan Myhre	(72) FRIIS, Lars	G10L 19/008
Ungstrup, Michael	CHRISTENSEN, Søren	(11) EP3391371
Söderlind, Carl Martin Hald	HAU, Ole	(21) EP16826222.8
Moeller, Nanna Elkjaer	SØRENSEN, Per Kokholm	(47) 16.09.2020
(31) 201862628495 P	NORDAHN, Morten Agerbaek	(87) US2016065869
(32) 09.02.2018	(51) H04R 25/00	22.06.2017
(33) United States of America	(11) EP3167626	(22) 09.12.2016
(51) H04R 3/00	(21) EP14736860.9	(54) TEMPORAL OFFSET ESTIMATION
H04R 29/00	(47) 16.09.2020	(73) Qualcomm Incorporated

- (72) CHEBIYYAM, Venkata Subrahmanyam
Chandra Sekhar
ATTI, Venkatraman
(31) 201562269796 P
201615372802
(32) 18.12.2015
08.12.2016
(33) United States of America
United States of America
-
- (51) H04W 4/00
(11) EP2067372
(21) EP07817018.0
(47) 16.09.2020
(87) CN2007070827
17.04.2008
(22) 29.09.2007
(54) MULTICAST FAST HANDOVER
(73) Huawei Technologies Co., Ltd.
(72) XIA, Yangsong
SARIKAYA, Behcet
(31) 828807 P
(32) 10.10.2006
(33) United States of America
-
- (51) H04W 4/021
H04W 4/50
H04W 4/80
(11) EP3440851
(21) EP17728741.4
(47) 16.09.2020
(87) US2017034664
21.12.2017
(22) 26.05.2017
(54) PROACTIVE ACTIONS ON MOBILE
DEVICE USING UNIQUELY-
IDENTIFIABLE AND UNLABELED
LOCATIONS
(73) Apple Inc.
(72) LEDVINA, Brent M.
MAYOR, Robert W.
MARTI, Lukas M.
STITES, David R.
BHATTI, Jahshan A.
DUFFY, Kevin
(31) 201662349006 P
201615272391
(32) 12.06.2016
21.09.2016
(33) United States of America
United States of America
-
- (51) H04W 4/021
H04W 4/70
(11) EP2571297
(21) EP11780196.9
(47) 16.09.2020
(87) CN2011073897
17.11.2011
(22) 10.05.2011
(54) LOCATION-BASED MACHINE-TO-
MACHINE COMMUNICATION METHOD,
SYSTEM AND DEVICE
(73) Huawei Technologies Co., Ltd.
(72) GUO, Xiaolong
(31) 201010171639
(32) 10.05.2010
(33) China
-
- (51) H04W 4/08
H04W 72/02
H04W 74/08
- (11) EP3457798
(21) EP16903412.1
(47) 16.09.2020
(87) CN2016083926
07.12.2017
(22) 30.05.2016
(54) DATA TRANSMISSION METHOD AND
APPARATUS
(73) Huawei Technologies Co., Ltd.
(72) WANG, Xinzheng
HU, Xingxing
DENG, Tianle
ZHOU, Kaijie
-
- (51) H04W 4/12
H04W 4/18
H04W 4/02
H04W 4/021
H04W 4/029
(11) EP3402226
(21) EP16887100.2
(47) 16.09.2020
(87) CN2016072584
03.08.2017
(22) 28.01.2016
(54) METHOD AND DEVICE FOR
OUTPUTTING NOTIFICATION
(73) Huawei Technologies Co., Ltd.
(72) GAO, Guangyuan
GAO, Wenmei
LI, Junlong
WANG, Junlei
-
- (51) H04W 4/12
H04W 12/08
H04W 36/00
H04W 76/11
H04W 76/14
H04W 76/19
H04W 76/23
H04W 76/27
H04W 76/28
(11) EP3547788
(21) EP19173451.6
(47) 16.09.2020
(22) 22.07.2013
(54) METHOD AND APPARATUS FOR
TRANSMITTING DEVICE-TO-DEVICE
RELATED MESSAGE IN WIRELESS
COMMUNICATION SYSTEM
(73) LG Electronics Inc.
(72) LEE, Youngdae
PARK, Sungjun
YI, Seungjune
JUNG, Sunghoon
(31) 201261673739 P
(32) 20.07.2012
(33) United States of America
-
- (51) H04W 4/12
H04W 52/02
H04W 68/00
H04W 4/70
(11) EP3231230
(21) EP15889464.2
(47) 16.09.2020
(87) CN2015076993
27.10.2016
(22) 20.04.2015
- (54) ENHANCED PAGING FOR LOW
COST (LC) MACHINE TYPE
COMMUNICATION (MTC) UES
(73) HFI Innovation Inc.
(72) CHEN, Hua-Min
CHEN, Tao
-
- (51) H04W 4/16
H04W 88/06
(11) EP2862375
(21) EP13734240.8
(47) 16.09.2020
(87) US2013046430
27.12.2013
(22) 18.06.2013
(54) APPARATUS AND METHOD FOR
IMPLEMENTING DUAL-SIM CROSS-
DIVERT IN DSDS WIRELESS DEVICES
(73) Qualcomm Incorporated
(72) VANGHI, Vieri
(31) 201213525897
(32) 18.06.2012
(33) United States of America
-
- (51) H04W 8/00
H04W 8/04
H04W 8/10
H04W 8/18
H04W 4/70
H04W 4/80
(11) EP3403430
(21) EP17700093.2
(47) 16.09.2020
(87) EP2017050728
20.07.2017
(22) 13.01.2017
(54) METHOD AND MOBILE DEVICE FOR
REGISTERING WIRELESS DEVICES
(73) Koninklijke KPN N.V.
Nederlandse Organisatie voor toegepast-
natuurwetenschappelijk onderzoek TNO
(72) NORP, Antonius
ALMODÓVAR CHICO, José
SCHENK, Michael
DE KIEVIT, Sander
(31) 16151534
(32) 15.01.2016
(33) European Patent Office (EPO)
-
- (51) H04W 8/00
H04W 12/08
H04W 92/18
(11) EP2733971
(21) EP13192652.9
(47) 16.09.2020
(22) 13.11.2013
(54) Method and apparatus of improving
proximity service discovery in a wireless
communication system
(73) Innovative Sonic Corporation
(72) Guo, Yu-Hsuan
(31) 201261727295 P
201261735969 P
(32) 16.11.2012
11.12.2012
(33) United States of America
United States of America
-
- (51) H04W 8/08
H04W 36/00
H04W 76/30
(11) EP2730126

(21) EP12807232.9	BALIGH, Mohammadhadi	(51) H04W 12/06
(47) 16.09.2020	VILAIPORNA SAWAI, Usa	H04W 12/08
(87) KR2012005321	AU, Kelvin Kar Kin	(11) EP3169096
10.01.2013	FARMANBAR, Hamidreza	(21) EP16197551.1
(22) 05.07.2012	(31) 201662416929 P	(47) 16.09.2020
(54) METHOD FOR AVOIDING HANDOVER	201762501626 P	(22) 07.11.2016
FAILURE	201715794540	(54) COMMUNICATION UNIT EMPLOYED
(73) Samsung Electronics Co., Ltd.	(32) 03.11.2016	AS A REMOTE ROUTER AND METHOD
(72) XU, Lixiang	04.05.2017	FOR ENFORCEMENT
WANG, Hong	26.10.2017	(73) VEEA Systems LTD
LIANG, Huarui	(33) United States of America	(72) Speight, Timothy
(31) 201110202644	United States of America	(31) 201519851
(32) 05.07.2011	United States of America	(32) 10.11.2015
(33) China		(33) United Kingdom
(51) H04W 8/12	(51) H04W 8/18	(51) H04W 12/06
H04W 48/14	H04W 84/18	H04W 12/12
H04W 48/18	(11) EP3249959	G06Q 20/32
(11) EP3298829	(21) EP15882334.4	(11) EP2826004
(21) EP15892783.0	(47) 16.09.2020	(21) EP13716213.7
(47) 16.09.2020	(87) CN2015073232	(47) 16.09.2020
(87) US2015052409	25.08.2016	(87) EP2013055495
24.11.2016	(22) 17.02.2015	19.09.2013
(22) 25.09.2015	(54) DATA TRANSMISSION METHOD AND	(22) 15.03.2013
(54) DEVICE, SYSTEM AND METHOD	DEVOICE	(54) MOBILE PHONE TAKEOVER
OF HPLMN PREFERRED EPDG	(73) Huawei Technologies Co., Ltd.	PROTECTION SYSTEM AND METHOD
SELECTION IN ROAMING SCENARIOS	(72) CHEN, Ji	(73) Moqom Limited
(73) Intel IP Corporation	FANG, Ping	(72) LARKIN, Colin
(72) GUPTA, Vivek	(51) H04W 12/00	(31) 20120139
(31) 201562163218 P	H04W 12/02	(32) 15.03.2012
(32) 18.05.2015	H04W 16/14	(33) Ireland
(33) United States of America	(11) EP3295703	
(51) H04W 8/14	(21) EP16793113.8	(51) H04W 16/04
H04W 36/00	(47) 16.09.2020	H04W 16/14
H04W 40/24	(87) US2016023384	(11) EP3005772
H04W 40/34	17.11.2016	(21) EP14727189.4
H04W 88/04	(22) 21.03.2016	(47) 16.09.2020
H04W 76/14	(54) EVOLVED NODE-B, SHARED	(87) EP2014060879
(11) EP3562182	SPECTRUM CONTROLLER	04.12.2014
(21) EP17891329.9	(73) Intel IP Corporation	(22) 27.05.2014
(47) 16.09.2020	(72) BADIC, Biljana	(54) SHARED USE OF LICENSED
(87) CN2017091138	MUECK, Markus Dominik	FREQUENCY SPECTRUM IN
19.07.2018	SRIKANTESWARA, Sriathyayani	A MOBILE COMMUNICATIONS
(22) 30.06.2017	CHOU, Joey	NETWORK
(54) COMMUNICATION PATH SWITCHING	(31) 201562161762 P	(73) Nokia Solutions and Networks Oy
METHOD	(32) 14.05.2015	(72) TUDOSE, Lucia Elena
(73) Huawei Technologies Co., Ltd.	(33) United States of America	PARANTAINEN, Janne, Juhani
(72) XU, Haibo	(51) H04W 12/00	HARTIKAINEN, Vesa, Tapio
KUANG, Yiru	H04W 12/08	(31) 20135606
TENNY, Nathan Edward	G06F 21/62	(32) 31.05.2013
(31) 201710018783	G06F 21/77	(33) Finland
PCT/CN2017/072864	(11) EP3537329	(51) H04W 16/16
(32) 10.01.2017	(21) EP17880135.3	H04W 88/14
03.02.2017	(47) 16.09.2020	H04W 88/16
(33) China	(87) CN2017116238	H04W 92/04
World Intellectual Property Office (WIPO)	21.06.2018	H04W 92/12
(51) H04W 8/18	(22) 14.12.2017	H04B 7/0456
H04W 74/08	(54) ACCESS CONTROL METHOD AND	(11) EP3389302
H04W 76/27	SYSTEM, ELECTRONIC DEVICE, AND	(21) EP16884766.3
(11) EP3530061	COMPUTER STORAGE MEDIUM	(47) 16.09.2020
(21) EP17867599.7	(73) China Mobile Communication Co., Ltd	(87) CN2016109277
(47) 16.09.2020	Research Institute	20.07.2017
(87) CN2017109247	China Mobile Communications Group	(22) 09.12.2016
11.05.2018	Co., Ltd.	(54) BACKHAUL METHOD FOR USE
(22) 03.11.2017	(72) YUE, Zuhui	IN WIRELESS COMMUNICATION,
(54) RANDOM ACCESS CHANNEL DESIGN,	ZHU, Benhao	CONTROLLER, BASE STATION AND
METHODS, AND APPARATUS	LI, Zheng	GATEWAY
(73) Huawei Technologies Co., Ltd.	(31) 201611161153	(73) Huawei Technologies Co., Ltd.
(72) LIN, Yicheng	(32) 15.12.2016	(72) ZHUANG, Hongcheng
	(33) China	LUO, Zezhou

(31) 201610029015	(11) EP3209073	(47) 16.09.2020
(32) 16.01.2016	(21) EP15899252.9	(87) JP2013081985
(33) China	(47) 16.09.2020	17.07.2014
(51) H04W 16/24	(87) CN2015085437	(22) 21.11.2013
H04W 28/08	02.02.2017	(54) Mobile user equipment apparatus and
(11) EP3387858	(22) 29.07.2015	method for operating a relay cell
(21) EP16873561.1	(54) SMALL BASE STATION AND	(73) NEC Corporation
(47) 16.09.2020	COMMUNICATION CONTROL METHOD	(72) DELSOL, Thomas
(87) US2016062176	THEREFOR	PANAITOPOL, Dorin
15.06.2017	(73) Huawei Technologies Co., Ltd.	(31) 201300534
(22) 16.11.2016	(72) LI, Yingtao	(32) 11.01.2013
(54) DUAL CONNECTIVITY AND CARRIER	YU, Rongdao	(33) United Kingdom
AGGREGATION AT AN IP LAYER	(51) H04W 24/02	(51) H04W 28/02
(73) Google LLC	H04W 88/04	H04W 28/12
(72) JAIN, Ankur	H04W 88/08	H04W 76/00
KALAPATAPU, Dutt	H04W 92/04	(11) EP3435700
SIPRA, Hassan	(11) EP3301965	(21) EP18185097.5
(31) 201562264060 P	(21) EP17168155.4	(47) 16.09.2020
201615175730	(47) 16.09.2020	(22) 24.07.2018
(32) 07.12.2015	(22) 26.04.2017	(54) METHOD AND APPARATUS FOR
07.06.2016	(54) METHOD AND DEVICE FOR	SERVING QUALITY OF SERVICE
(33) United States of America	ESTABLISHING BACKHAUL LINK	(QOS) FLOW IN A WIRELESS
United States of America	(73) Beijing Xiaomi Mobile Software Co., Ltd.	COMMUNICATION SYSTEM
(51) H04W 24/02	(72) WEI, Na	(73) ASUSTek Computer Inc.
(11) EP2878148	XU, Ran	(72) PAN, Li-Te
(21) EP13773322.6	(31) PCT/CN2016/100789	KUO, Richard Lee-Chee
(47) 16.09.2020	(32) 29.09.2016	(31) 201762536163 P
(87) IB2013001638	(33) World Intellectual Property Office (WIPO)	(32) 24.07.2017
30.01.2014	(51) H04W 24/04	(33) United States of America
(22) 26.07.2013	H04W 36/00	(51) H04W 36/00
(54) DYNAMIC ADAPTATION OF	(11) EP2810469	(11) EP3073784
COMMUNICATION PARAMETERS	(21) EP12708755.9	(21) EP15290086.6
FOR COMMUNICATION BETWEEN	(47) 16.09.2020	(47) 16.09.2020
A BASE STATION AND A TERMINAL	(87) EP2012051434	(22) 27.03.2015
IN A WIRELESS COMMUNICATION	08.08.2013	(54) TERMINAL FOR A CELLULAR
NETWORK	(22) 30.01.2012	COMMUNICATIONS NETWORK AND
(73) Sony Corporation	(54) IMPROVEMENTS FOR EVALUATING	METHOD OF OPERATING A TERMINAL
(72) LJUNG, Rickard	HANDOVER FAILURES	(73) Alcatel Lucent
(31) 201213559816	(73) Nokia Solutions and Networks Oy	(72) Zeller, Dietrich
(32) 27.07.2012	(72) KORDYBACH, Krzysztof	Bakker, Hajo
(33) United States of America	WALDHAUSER, Richard	Aziz, Danish
(51) H04W 24/02	WEGMANN, Bernhard	Dötsch, Uwe
H04W 36/14	VIERING, Ingo	(51) H04W 36/00
H04W 52/02	(51) H04W 24/06	H04W 36/24
H04W 72/04	H04W 64/00	H04W 36/30
H04W 88/06	G01S 5/02	(11) EP3101946
H04W 76/36	(11) EP3087776	(21) EP14882849.4
(11) EP3089503	(21) EP14827519.1	(47) 16.09.2020
(21) EP14879701.2	(47) 16.09.2020	(87) CN2014072460
(47) 16.09.2020	(87) GB2014053847	27.08.2015
(87) CN2014075832	02.07.2015	(22) 24.02.2014
30.07.2015	(22) 24.12.2014	(54) METHOD FOR ENSURING
(22) 21.04.2014	(54) RAPID INDOOR WIRELESS SIGNAL	CONTINUOUS RECEPTION OF A
(54) METHOD AND APPARATUS FOR	FINGERPRINT DATABASE CREATION	SERVICE IN USER EQUIPMENT AND
TERMINAL TO OPTIMIZE NETWORK	THROUGH CALIBRATION OF RAY-	IN WIRELESS NETWORK
RESOURCE, AND STORAGE MEDIUM	TRACING PROPAGATION MODEL	(73) Huawei Technologies Co., Ltd.
(73) ZTE Corporation	(73) Ranplan Wireless Network Design Ltd	(72) HAN, Guanglin
(72) WANG, Cheng	(72) ZHANG, Jie	XIONG, Xin
(31) 201410038338	WU, Joyce	(51) H04W 36/00
(32) 26.01.2014	QIN, Chunxia	H04W 36/30
(33) China	LAI, Zhihua	H04W 40/22
(51) H04W 24/02	(31) 201310724675	H04W 74/08
H04W 48/08	(32) 24.12.2013	H04W 88/04
H04W 52/00	(33) China	(11) EP3457761
H04W 56/00	(51) H04W 24/10	(21) EP16902731.5
H04W 84/04	H04W 84/04	(47) 16.09.2020
H04W 88/04	(11) EP2870821	(87) CN2016083698
H04W 76/00	(21) EP13870975.3	30.11.2017

(22) 27.05.2016	(11) EP3228123	ANDERSSON, Håkan
(54) METHOD FOR SWITCHING TO RELAY NODE, AND RELEVANT DEVICE AND SYSTEM	(21) EP15816980.5	SKÖRDEMAN, John
(73) Huawei Technologies Co., Ltd.	(47) 16.09.2020	(31) 201462055709 P
(72) LI, Guorong	(87) US2015063332	(32) 26.09.2014
WANG, Jian	09.06.2016	(33) United States of America
WANG, Da	(22) 02.12.2015	(51) H04W 48/12
TENNY, Nathan Edward	(54) EFFICIENT HYBRID RESOURCE AND SCHEDULE MANAGEMENT IN TIME SLOTTED CHANNEL HOPPING NETWORKS	(11) EP3018938
(51) H04W 36/00	(73) Convida Wireless, LLC	(21) EP14192357.3
H04W 52/02	(72) CHEN, Zhuo	(47) 16.09.2020
H04W 76/19	DONG, Lijun	(22) 07.11.2014
H04W 76/27	WANG, Chonggang	(54) System for LTE licensed assisted access in unlicensed bands
(11) EP3393196	LY, Quang	(73) Panasonic Intellectual Property Corporation of America
(21) EP16880777.4	LI, Xu	(72) Einhaus, Michael
(47) 16.09.2020	LU, Guang	Golitschek Edler von Elbwart, Alexander
(87) CN2016104700	HAN, Yanyan	FENG, Sujuan
06.07.2017	RAHMAN, Shamim Akbar	(51) H04W 48/12
(22) 04.11.2016	(31) 201462087022 P	(11) EP3225060
(54) MOBILITY MANAGEMENT METHOD, BASE STATION, AND NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM	(32) 03.12.2014	(21) EP17704155.5
(73) Huawei Technologies Co., Ltd.	(33) United States of America	(47) 16.09.2020
(72) LI, Bingzhao	(51) H04W 40/12	(87) CN2017072953
QUAN, Wei	H04W 40/24	13.04.2017
ZHANG, Jian	H04W 40/32	(22) 06.02.2017
LIU, Weihua	H04L 12/725	(54) METHODS, BASE STATION AND USER EQUIPMENT
(31) PCT/CN2015/100336	H04L 12/753	(73) Telefonaktiebolaget LM Ericsson (PUBL)
PCT/CN2016/078165	(11) EP3579619	(72) LIU, Jinhua
(32) 31.12.2015	(21) EP18764036.2	BALDEMAIR, Robert
31.03.2016	(47) 16.09.2020	(31) PCT/CN2016/104646
(33) World Intellectual Property Office (WIPO)	(87) CN2018074472	(32) 04.11.2016
World Intellectual Property Office (WIPO)	13.09.2018	(33) World Intellectual Property Office (WIPO)
(51) H04W 36/00	(22) 29.01.2018	(51) H04W 48/12
H04W 88/06	(54) PARENT NODE SELECTION METHOD AND NETWORK NODE	H04W 4/70
(11) EP3468250	(73) Huawei Technologies Co., Ltd.	(11) EP3403445
(21) EP16908512.3	(72) LUO, Zhenhui	(21) EP17701602.9
(47) 16.09.2020	(31) 201710132287	(47) 16.09.2020
(87) CN2016090233	(32) 07.03.2017	(87) SE2017050025
18.01.2018	(33) China	20.07.2017
(22) 15.07.2016	(51) H04W 48/00	(22) 12.01.2017
(54) SWITCHING METHOD AND APPARATUS	H04W 88/16	(54) CONFIGURATION OF AUTONOMOUS GAPS BASED ON REPETITION LEVEL IN ENHANCED COVERAGE
(73) Huawei Technologies Co., Ltd.	H04W 92/02	(73) Telefonaktiebolaget LM Ericsson (PUBL)
(72) LI, He	H04W 76/12	(72) THANGARASA, Santhan
CHEN, Jing	(11) EP3419380	AXMON, Joakim
(51) H04W 40/02	(21) EP18180842.9	UESAKA, Kazuyoshi
H04W 40/24	(47) 16.09.2020	KAZMI, Muhammad
H04W 84/18	(22) 02.04.2012	(31) 201662278174 P
(11) EP3466158	(54) GATEWAY SELECTION FOR MOBILE COMMUNICATIONS NETWORK ARCHITECTURE OPTIMIZATION	(32) 13.01.2016
(21) EP17740862.2	(73) Nokia Solutions and Networks Oy	(33) United States of America
(47) 16.09.2020	(72) HAHN, Wolfgang	(51) H04W 48/14
(87) US2017040923	(51) H04W 48/08	H04W 84/12
25.01.2018	H04W 48/16	(11) EP3294008
(22) 06.07.2017	H04W 72/12	(21) EP17186395.4
(54) ROUTING DATA PACKETS IN WIRELESS NETWORKS WITH DIRECTIONAL TRANSMISSIONS	H04W 74/08	(47) 16.09.2020
(73) Sony Corporation	(11) EP3198944	(22) 11.04.2013
(72) ABDALLAH, Ramy	(21) EP15766487.1	(54) METHOD FOR ESTABLISHING ASSOCIATION BETWEEN STATION AND ACCESS POINT, AND DEVICE
SAKODA, Kazuyuki	(47) 16.09.2020	(73) HUAWEI TECHNOLOGIES CO., LTD.
(31) 201615212209	(87) EP2015071499	(72) WU, Tianyu
(32) 16.07.2016	31.03.2016	LI, Changle
(33) United States of America	(22) 18.09.2015	LIN, Hang
(51) H04W 40/04	(54) LISTEN-BEFORE-TALK FOR DISCOVERY SIGNAL IN LICENSE-ASSISTED ACCESS LTE	(31) 201210132882
H04W 40/24	(73) Telefonaktiebolaget LM Ericsson (publ)	(32) 28.04.2012
H04L 12/721	(72) FRÖBERG OLSSON, Jonas	(33) China

- (51) H04W 48/16
(11) EP3031246
(21) EP14737047.2
(47) 16.09.2020
(87) SE2014050657
12.02.2015
(22) 28.05.2014
(54) NETWORK-ASSISTED CELL
SELECTION
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) CUI, Tao
XUAN, Zhiyi
MÜLLER, Walter
(31) 201361863953 P
(32) 09.08.2013
(33) United States of America

(51) H04W 48/16
H04W 56/00
H04W 88/04
(11) EP3264830
(21) EP17186723.7
(47) 16.09.2020
(22) 18.09.2013
(54) CELL SEARCH IN CLUSTERS
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) LINDOFF, Bengt
NILSSON, Johan

(51) H04W 48/20
H04W 72/02
H04W 76/16
(11) EP3545712
(21) EP17804535.7
(47) 16.09.2020
(87) EP2017080239
31.05.2018
(22) 23.11.2017
(54) METHOD FOR SELECTING, BY
A TRANSMITTER DEVICE, A
COMMUNICATION MODE FOR
EXCHANGING DATA WITH A
RECEIVER DEVICE
(73) Sigfox
(72) PONSARD, Benoit
ZUNIGA, Juan Carlos
(31) 1661392
(32) 23.11.2016
(33) France

(51) H04W 52/02
(11) EP3275248
(21) EP15713429.7
(47) 16.09.2020
(87) EP2015056400
29.09.2016
(22) 25.03.2015
(54) APPARATUS, SYSTEMS AND
METHODS FOR DISCONTINUOUS
SIGNALING IN A MOBILE
COMMUNICATION NETWORK
(73) Sony Corporation
(72) LJUNG, Rickard
LARSSON, Bo
ZANDER, Olof
PLICANIC SAMUELSSON, Vanja
PRIYANTO, Basuki

(51) H04W 52/02
(11) EP3314956
(21) EP16827194.8
(47) 16.09.2020
(87) CN2016090076
26.01.2017
(22) 14.07.2016
(54) SMART POWER MANAGEMENT
SYSTEM AND METHOD FOR
DOWNLOADING PHOTOS
(73) Huawei Technologies Co., Ltd.
(72) SHI, Qian
LIN, Jingping
LUO, Weilin
JIA, Zhiping
(31) 201514805038
(32) 21.07.2015
(33) United States of America

(51) H04W 52/02
(11) EP3399804
(21) EP16886110.2
(47) 16.09.2020
(87) CN2016109457
27.07.2017
(22) 12.12.2016
(54) METHOD FOR NEGOTIATING ABOUT
TARGET WAKEUP TIME, AND ACCESS
POINT AND STATION
(73) Huawei Technologies Co., Ltd.
(72) HOU, Keda
YU, Jian
WANG, Yong
(31) 201610042227
(32) 22.01.2016
(33) China

(51) H04W 52/02
H04W 72/04
H04W 84/12
H04W 88/08
(11) EP3451745
(21) EP17789897.0
(47) 16.09.2020
(87) KR2017004405
02.11.2017
(22) 26.04.2017
(54) METHOD FOR REDUCING
BSS COLOR-BASED POWER
CONSUMPTION IN WIRELESS LAN
SYSTEM, AND DEVICE THEREFOR
(73) LG Electronics Inc.
(72) KIM, Jeongki
RYU, Kiseon
CHO, Hangyu
(31) 201662327445 P
201662412226 P
201662434423 P
(32) 26.04.2016
24.10.2016
15.12.2016
(33) United States of America
United States of America
United States of America

(51) H04W 52/14
H04W 52/28
H04W 52/32
H04W 52/34
H04W 52/42
(11) EP2491751
(21) EP10788164.1
(47) 16.09.2020
(87) US2010053493
28.04.2011
(22) 21.10.2010
(54) METHOD AND APPARATUS FOR
UPLINK MULTI-CARRIER POWER
AMPLIFIER/ANTENNA OPERATION
AND CHANNEL PRIORITIZATION
(73) Qualcomm Incorporated
(72) DAMNJANOVIC, Jelena, M.
MONTJOJO, Juan
GAAL, Peter
CHEN, Wanshi
(31) 253796 P
906700
(32) 21.10.2009
18.10.2010
(33) United States of America
United States of America

(51) H04W 52/28
H04W 52/34
H04W 52/36
(11) EP3334221
(21) EP16306630.1
(47) 16.09.2020
(22) 07.12.2016
(54) DEVICE FOR A RADIO
COMMUNICATION SYSTEM AND
METHOD OF OPERATING SUCH
DEVICE
(73) Alcatel Lucent
(72) Wild, Thorsten
Yu, Xin
Salem, Rana Ahmed
Schaich, Frank

(51) H04W 52/34
(11) EP3389318
(21) EP15912025.2
(47) 16.09.2020
(87) CN2015100327
06.07.2017
(22) 31.12.2015
(54) POWER INFORMATION
TRANSMISSION METHOD, TERMINAL
DEVICE, AND NETWORK DEVICE
(73) Huawei Technologies Co., Ltd.
(72) HE, Chuanfeng

(51) H04W 56/00
(11) EP2875684

(21) EP13742091.5	DENG, Qiang	YOKOMAKURA, Kazunari
(47) 16.09.2020	(51) H04W 72/04	TAKAHASHI, Hiroki
(87) US2013050037	(11) EP3376812	(31) 2015014738
23.01.2014	(21) EP16870017.7	(32) 28.01.2015
(22) 11.07.2013	(47) 16.09.2020	(33) Japan
(54) METHOD, APPARATUS AND	(87) CN2016108313	(51) H04W 72/04
COMPUTER READABLE MEDIUM FOR	08.06.2017	H04W 88/08
TIMING ALIGNMENT IN OVERLAID	(22) 02.12.2016	(11) EP2384072
HETEROGENEOUS WIRELESS	(54) METHOD AND DEVICE FOR	(21) EP10735646.1
NETWORKS	WIRELESS COMMUNICATION	(47) 16.09.2020
(73) Alcatel Lucent	(73) Huawei Technologies Co., Ltd.	(87) JP2010000497
(72) ZOU, Jialin	(72) LI, Zhongfeng	05.08.2010
(31) 201213551088	XU, Liang	(22) 28.01.2010
(32) 17.07.2012	WU, Ning	(54) BASE STATION APPARATUS AND
(33) United States of America	CAO, Yongzhao	TRANSMISSION METHOD
(51) H04W 56/00	(31) 201510875575	(73) Sun Patent Trust
(11) EP3437388	(32) 03.12.2015	(72) HORIUCHI, Ayako
(21) EP17714185.0	(33) China	NAKAO, Seigo
(47) 16.09.2020	(51) H04W 72/04	YUDA, Yasuaki
(87) EP2017057268	(11) EP3618547	IMAMURA, Daichi
05.10.2017	(21) EP19204271.1	NISHIO, Akihiko
(22) 28.03.2017	(47) 16.09.2020	(31) 2009017893
(54) UPLINK TRANSMISSION TIMING	(22) 02.11.2017	(32) 29.01.2009
CONTROL	(54) METHOD AND APPARATUS FOR	(33) Japan
(73) Telefonaktiebolaget LM Ericsson (PUBL)	IDENTIFYING AND USING RADIO	(51) H04W 72/04
(72) AXMON, Joakim	RESOURCES IN A WIRELESS	H04W 88/08
KAZMI, Muhammad	COMMUNICATION NETWORK	(11) EP3442306
THANGARASA, Santhan	(73) Telefonaktiebolaget LM Ericsson (publ)	(21) EP17779033.4
HAO, Dandan	(72) BALDEMAIR, Robert	(47) 16.09.2020
(31) PCT/CN2016/078095	PARKVALL, Stefan	(87) JP2017013153
201615253318	LINDOFF, Bengt	12.10.2017
(32) 31.03.2016	(31) 201662417565 P	(22) 30.03.2017
31.08.2016	(32) 04.11.2016	(54) WIRELESS BASE STATION AND
(33) World Intellectual Property Office (WIPO)	(33) United States of America	METHOD FOR TRANSMITTING
United States of America	(51) H04W 72/04	AND RECEIVING MEASUREMENT
(51) H04W 72/02	H04W 4/70	INFORMATION
H04W 72/04	H04W 76/14	(73) NTT DOCOMO, INC.
H04W 72/08	(11) EP2898747	(72) OOKUBO, Naoto
H04W 72/12	(21) EP13711166.2	ISOGAWA, Takayuki
H04W 80/02	(47) 16.09.2020	UCHINO, Tooru
H04W 88/06	(87) US2013026382	(31) 2016078503
(11) EP3478009	27.03.2014	(32) 08.04.2016
(21) EP18196475.0	(22) 15.02.2013	(33) Japan
(47) 16.09.2020	(54) USER EQUIPMENT ARCHITECTURE	(51) H04W 72/08
(22) 25.09.2018	FOR INTER-DEVICE COMMUNICATION	H04W 76/23
(54) BLUETOOTH LOW ENERGY SIGNAL	IN WIRELESS COMMUNICATION	(11) EP3100559
PATTERNS	SYSTEMS	(21) EP14879784.8
(73) Hewlett Packard Enterprise Development	(73) BlackBerry Limited	(47) 16.09.2020
LP	(72) BONTU, Chandra, Sekhar	(87) SE2014050100
(72) PATWARDHAN, Gaurav	SONG, Yi	30.07.2015
KAMTHE, Ankur	CAI, Zhijun	(22) 27.01.2014
PERAHIA, Eldad	(31) 201213624736	(54) NETWORK NODE, WIRELESS DEVICE,
(31) 201715795826	(32) 21.09.2012	METHODS THEREIN, COMPUTER
(32) 27.10.2017	(33) United States of America	PROGRAMS AND COMPUTER-
(33) United States of America	(51) H04W 72/04	READABLE MEDIUMS COMPRISING
(51) H04W 72/04	H04W 72/12	THE COMPUTER PROGRAMS,
(11) EP3468270	H04W 76/20	FOR ADAPTING AND ADOPTING,
(21) EP16907755.9	(11) EP3253149	RESPECTIVELY, AN ALLOCATION OF
(47) 16.09.2020	(21) EP16743237.6	RADIO RESOURCES
(87) CN2016088447	(47) 16.09.2020	(73) Telefonaktiebolaget LM Ericsson (publ)
11.01.2018	(87) JP2016051797	(72) FOLKE, Mats
(22) 04.07.2016	04.08.2016	SORRENTINO, Stefano
(54) METHOD AND DEVICE FOR	(22) 22.01.2016	(51) H04W 72/12
IMPLEMENTING COVERAGE	(54) TERMINAL DEVICE AND	(11) EP3319389
ENHANCEMENT (CE) FUNCTION	COMMUNICATION METHOD	(21) EP17200844.3
(73) Huawei Technologies Co., Ltd.	(73) Sharp Kabushiki Kaisha	(47) 16.09.2020
(72) HUANG, Zhenglei	(72) SUZUKI, Shoichi	(22) 19.06.2013
ZHANG, Wanqiang	AIBA, Tatsushi	

(54) METHODS AND DEVICES FOR CONTROLLING ANTENNA POINTS	(21) EP16886991.5 (47) 16.09.2020	(21) EP18166680.1 (47) 16.09.2020
(73) Telefonaktiebolaget LM Ericsson (publ)	(87) CN2016072320 (03.08.2017)	(22) 21.05.2015
(72) Gunnarsson, Fredrik Hagerman, Bo Parkvall, Stefan Mildh, Gunnar	(22) 27.01.2016 (54) METHOD FOR ACQUIRING TRANSMISSION RESOURCE AND USER TERMINAL	(54) AN ELECTRICALLY HEATED AEROSOL-GENERATING SYSTEM WITH COATED HEATER ELEMENT
(51) H04W 72/12 H04W 74/04 H04W 74/08	(73) Huawei Technologies Co., Ltd. (72) YOU, Chunhua HUANG, Qufang	(73) Philip Morris Products S.A. (72) GREIM, Olivier PLOJOUX, Julien RUSCIO, Dani
(11) EP3456134 (21) EP17727494.1 (47) 16.09.2020	(51) H04W 84/20 (11) EP2814299	(31) 14169342 (32) 21.05.2014 (33) European Patent Office (EPO)
(87) EP2017060912 16.11.2017	(21) EP13171881.9 (47) 16.09.2020	(51) H05B 6/06 (11) EP3344006
(22) 08.05.2017	(22) 13.06.2013	(21) EP17818414.9 (47) 16.09.2020
(54) TECHNIQUE FOR TRANSMITTING UPLINK GRANT INFORMATION	(54) Method for organizing a wireless network	(87) CN2017086297 11.05.2018
(73) Telefonaktiebolaget LM Ericsson (Publ)	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	(22) 27.05.2017
(72) KARAKI, Reem (31) 201662335237 P (32) 12.05.2016	(72) Al-Akkad, Amro Ramirez, Leonardo Zimmermann, Andreas	(54) ELECTROMAGNETIC HEATING SYSTEM AND CONTROL METHOD AND DEVICE THEREOF
(33) United States of America	(51) H04W 88/00 G07C 9/00	(73) Foshan Shunde Midea Electrical Heating Appliances Manufacturing Co., Ltd.
(51) H04W 72/12 H04W 74/08	(11) EP2583257 (21) EP11723964.0 (47) 16.09.2020	(72) JIANG, Deyong WANG, Yunfeng ZENG, Lutian LEI, Jun
(11) EP3235327 (21) EP15820012.1 (47) 16.09.2020	(87) EP2011059408 22.12.2011	(31) 201610958337 (32) 03.11.2016 (33) China
(87) US2015065786 23.06.2016	(22) 07.06.2011	(51) H05B 6/06 (11) EP3518618 (21) EP19158851.6 (47) 16.09.2020
(22) 15.12.2015	(54) METHOD AND SYSTEM FOR CONTROLLING THE PROCESSING OF A PLURALITY OF RADIO FREQUENCY COMMUNICATION STREAMS BY A CHIP CARD	(22) 08.07.2010
(54) TECHNIQUES FOR RESERVING A CHANNEL OF A RADIO FREQUENCY SPECTRUM	(73) Thales Dis France SA (72) MARSEILLE, François-Xavier THILL, Michel	(54) COOKING HOB WITH AT LEAST TWO HEATING ZONES
(73) Qualcomm Incorporated	(31) 10305652 (32) 17.06.2010	(73) BSH Hausgeräte GmbH
(72) YERRAMALLI, Srinivas LUO, Tao MALLIK, Siddhartha ZHANG, Xiaoxia DAMNJANOVIC, Aleksandar SOMASUNDARAM, Kiran, Kumar	(33) European Patent Office (EPO)	(72) Bernal Ruiz, Carlos Garde Aranda, Ignacio Molina Gaudó, Pilar Monterde Aznar, Fernando Moya Albertin, Maria Elena Peinado Adiego, Ramon Puyal Puente, Diego
(31) 201462092037 P 201514968339	(51) H04W 88/08 H04W 76/15 H04W 76/19 H04W 76/25	(31) 200930530 (32) 29.07.2009 (33) Spain
(32) 15.12.2014 14.12.2015	(11) EP3596998 (21) EP17825985.9 (47) 16.09.2020	(51) H05B 6/12 (11) EP3537850 (21) EP18165409.6 (47) 16.09.2020
(33) United States of America United States of America	(87) SE2017051325 20.09.2018	(22) 03.04.2018
(51) H04W 72/12 H04W 88/06	(22) 21.12.2017	(54) INDUCTION HEATING DEVICE HAVING IMPROVED INDICATOR STRUCTURE
(11) EP3254517 (21) EP16710805.9 (47) 16.09.2020	(54) PROVIDING COMMUNICATION FOR A MOBILE COMMUNICATION DEVICE USING A CENTRAL UNIT NODE AND DISTRIBUTED UNIT NODES	(73) LG Electronics Inc. (72) KIM, Seongjun KIM, Hoon LEE, Yongsoo
(87) IB2016000258 11.08.2016	(73) Telefonaktiebolaget LM Ericsson (PUBL)	(31) 20180027608 (32) 08.03.2018 (33) Korea (Republic)
(22) 28.01.2016	(72) CENTONZA, Angelo FIORANI, Matteo MILDH, Gunnar DUDDA, Torsten WIEMANN, Henning	(51) H05B 3/42 H05B 3/48 A24F 47/00
(54) NETWORK CONTROLLED ACQUISITION OF UPLINK CHANNELS IN UNLICENSED FREQUENCY BANDS	(31) 201762471315 P (32) 14.03.2017 (33) United States of America	(21) EP10190380.5 (47) 16.09.2020
(73) Alcatel Lucent (72) KHAWER, Mohammad HU, Teck BAKER, Matthew YE, Sigen	(51) H05B 3/42 H05B 3/48 A24F 47/00	
(31) 201514613654 (32) 04.02.2015 (33) United States of America	(11) EP3363306	
(51) H04W 74/08 (11) EP3402289		

(22) 08.11.2010	(54) LIGHTING CONTROLLER, LIGHTING SYSTEM AND CONFIGURATION METHOD	(47) 16.09.2020
(54) LED lighting device and illuminating device	(73) Signify Holding B.V.	(87) EP2015061589
(73) Toshiba Lighting & Technology Corporation	(72) GOERGEN, Daniel, Martin	03.12.2015
(72) Kitamura, Noriyuki	CHUA, Song, Heng	(22) 26.05.2015
(31) 2009256363	ZHAO, Ying	(54) ELECTRIC DEVICE WITH A MODULAR DESIGN
2010027398	(31) 15169953	(73) KOSTAL Automobil Elektrik GmbH & Co. KG
2010064436	(32) 29.05.2015	(72) BÜHLMANN, Rainer
2010234641	(33) European Patent Office (EPO)	KEBEKUS, Daniel
(32) 09.11.2009	(51) H05B 47/19	FOCKENBERG, Fabian
10.02.2010	(11) EP3320757	(31) 102014008050
19.03.2010	(21) EP16732606.5	(32) 28.05.2014
19.10.2010	(47) 16.09.2020	(33) Germany
(33) Japan	(87) EP2016064845	(51) H05K 13/02
Japan	19.01.2017	H05K 13/04
Japan	(22) 27.06.2016	(11) EP3429327
Japan	(54) CONTROLLER FOR A LIGHTING ARRANGEMENT	(21) EP16893441.2
(51) H05B 45/37	(73) Signify Holding B.V.	(47) 16.09.2020
(11) EP3397027	(72) VAN DE SLUIS, Bartel, Marinus	(87) JP2016057186
(21) EP18168944.9	MEERBEEK, Berent, Willem	14.09.2017
(47) 16.09.2020	BOS, Abraham, Antonius, Arnoldus	(22) 08.03.2016
(22) 24.04.2018	CUPPEN, Roel, Peter, Geert	(54) PART EXTRACTING METHOD
(54) POWER SUPPLY MODULE FOR A LIGHTING SYSTEM, RELATED LIGHTING SYSTEM AND METHOD	REINHOUDT, Tommy	(73) Fuji Corporation
(73) SITECO GmbH	VERDIN, Lieven	(72) IWAKI, Noriaki
(72) PENGO, Mr. Ermes	(31) 15176226	(51) H05K 13/02
STIVAL, Mr. Davide	(32) 10.07.2015	H05K 13/04
(31) 201700045890	(33) European Patent Office (EPO)	H05K 13/08
(32) 27.04.2017	(51) H05K 1/18	(11) EP3007535
(33) Italy	H05K 3/32	(21) EP13886477.2
(51) H05B 45/37	(11) EP3141091	(47) 16.09.2020
(11) EP3528598	(21) EP15725930.0	(87) JP2013065459
(21) EP19155883.2	(47) 16.09.2020	11.12.2014
(47) 16.09.2020	(87) US2015029829	(22) 04.06.2013
(22) 07.02.2019	12.11.2015	(54) FEEDER AND MOUNTER
(54) PULSE MODULATION FOR ISOLATED AUXILIARY VOLTAGE AND DIMMING SIGNAL TRANSFER OVER SINGLE OPTO-ISOLATOR	(22) 08.05.2015	(73) FUJI Corporation
(73) Infineon Technologies Austria AG	(54) TECHNIQUES FOR ADHERING SURFACE MOUNT DEVICES TO A FLEXIBLE SUBSTRATE	(72) KOIKE, Hirokazu
(72) SCHAEMANN, Marcus	(73) Osram Sylvania Inc.	
LAU, Tiam Poh	(72) SPEER, Richard	
(31) 201815896397	HAMBY, David	
(32) 14.02.2018	SCOTCH, Adam	
(33) United States of America	(31) 201414273054	
(51) H05B 47/115	(32) 08.05.2014	
(11) EP2944160	(33) United States of America	
(21) EP14700794.2	(51) H05K 5/00	
(47) 16.09.2020	(11) EP3103315	
(87) IB2014058029	(21) EP14808630.9	
17.07.2014	(47) 16.09.2020	
(22) 03.01.2014	(87) EP2014076808	
(54) LIGHTING CONTROL ANALYZER	13.08.2015	
(73) Signify Holding B.V.	(22) 08.12.2014	
(72) PANDHARIPANDE, Ashish Vijay	(54) ELECTRICAL DEVICE AND CONNECTION ARRANGEMENT HAVING AN ELECTRICAL DEVICE	
CAICEDO FERNÁNDEZ, David Ricardo	(73) Robert Bosch GmbH	
(31) 201361750002 P	(72) GUECKEL, Richard	
(32) 08.01.2013	KROECKEL, Markus	
(33) United States of America	(31) 102014202296	
(51) H05B 47/19	(32) 07.02.2014	
(11) EP3305032	(33) Germany	
(21) EP16721840.3	(51) H05K 5/00	
(47) 16.09.2020	H05K 7/14	
(87) EP2016060736	H05K 7/20	
08.12.2016	(11) EP3150035	
(22) 12.05.2016	(21) EP15725316.2	

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) A01C 17/00	(22) 24.11.2016	13.08.2013
(11) EP3398425	(54) CULTIVATION STORAGE SYSTEM	10.03.2014
(21) EP18401039.5	(73) Heliospectra AB	29.04.2014
(22) 18.04.2018	(72) Staffan, Hillberg	12.05.2014
(54) AGRICULTURAL CENTRIFUGAL SPREADER AND METHOD FOR DETERMINING THE SPREAD PATTERN OF AN AGRICULTURAL CENTRIFUGAL SPREADER	Pohjanvouri, Timo	(33) United States of America
(73) Amazonen-Werke H. Dreyer GmbH & Co. KG	Gilley, Anthony	United States of America
(72) Rahe, Florian	Bånkestad, Daniel	United States of America
(74) ir. M.F.J.M. Ketelaars c.s.	Lindqvist, Johan	United States of America
(31) 102017109308	(74) ir. R. Wijnstra	United States of America
(32) 02.05.2017	(47) 10.06.2020	(47) 15.07.2020
(33) Germany	(51) A01G 9/24	(51) A01K 67/027
(47) 10.06.2020	A01G 13/08	C12N 15/85
(51) A01D 34/66	F24F 3/12	(11) EP2414523
A01D 34/86	F24F 3/14	(21) EP10712666.6
(11) EP3158847	F24F 3/147	(22) 02.04.2010
(21) EP16200814.8	F24F 5/00	(54) DENDRITIC CELL-BOOSTED HUMANIZED IMMUNE SYSTEM MICE
(22) 09.10.2015	F24F 12/00	(73) INSERM (Institut National de la Santé et de la Recherche Médicale)
(54) CARRIER ASSEMBLY	(11) EP3358937	Institut Pasteur
(73) Kverneland Group Kerteminde AS	(21) EP16854227.2	(72) DI SANTO, James
(72) NIELSEN, Rasmus Elmelund	(22) 05.10.2016	MENTION, Jean-Jacques
(74) ir. W.J.J.M. Kempes	(54) CONTAINED GROWING SPACE AND ENVIRONMENTAL CONTROL SYSTEM	(74) J.M.H. Duyver lic.
(47) 24.06.2020	(73) Harvest Air, LLC	(31) 166697 P
(51) A01F 25/13	(72) ZIMMERMAN, John	(32) 03.04.2009
(11) EP3468341	WHALEY, Christopher	(33) United States of America
(21) EP17730529.9	(74) mr. ir. J. van Breda c.s.	(47) 22.07.2020
(22) 01.06.2017	(31) 201514878066	(51) A01N 25/04
(54) A SHEETING SYSTEM	(32) 08.10.2015	A01N 25/22
(73) Reed, Patrick John	(33) United States of America	A01N 25/30
(72) Reed, Patrick John	(47) 22.07.2020	A01N 33/22
(74) ir. W.J.J.M. Kempes	(51) A01K 67/027	A01N 43/40
(31) 201609985	A61K 39/395	A01N 43/82
(32) 08.06.2016	A61P 31/12	(11) EP3402332
(33) United Kingdom	A61P 35/00	(21) EP17700629.3
(47) 10.06.2020	A61P 37/04	(22) 09.01.2017
(51) A01G 3/04	C07K 14/705	(54) AQUEOUS DISPERSIONS COMPRISING ACLONIFEN AND FLUFENACET
(11) EP3479678	C07K 16/28	(73) Bayer CropScience Aktiengesellschaft
(21) EP18203777.0	(11) EP3021869	(72) KRAUSE, Jens
(22) 31.10.2018	(21) EP14750063.1	DECKWER, Roland
(54) SAWING DEVICE FOR CUTTING PLANTS	(22) 16.07.2014	(74) ir. W.J.J.M. Kempes
(73) Fliegl Agro-Center GmbH	(54) METHODS OF TREATING CANCER USING PD-1 AXIS BINDING ANTAGONISTS AND TIGIT INHIBITORS	(31) 16151491
(72) Fliegl, Josef	(73) F. Hoffmann-La Roche AG	(32) 15.01.2016
(74) J.M.H. Duyver lic.	(72) GROGAN, Jane	(33) European Patent Office (EPO)
(31) 202017106656 U	JOHNSTON, Robert, J.	(47) 24.06.2020
(32) 03.11.2017	IRVING, Bryan	(51) A01N 43/04
(33) Germany	HACKNEY, Jason	A61K 9/00
(47) 22.07.2020	YU, Xin	A61K 9/08
(51) A01G 9/24	EATON, Dan	A61K 31/715
A01G 9/26	BOWLES, Kristin	A61K 31/721
A01G 31/06	COMPS-AGRAR, Laetitia	A61K 31/727
(11) EP3326452	(74) drs. C.M.A. Quintelier	A61K 31/728
(21) EP16200540.9	(31) 201361846941 P	A61K 31/737
	201361865582 P	A61K 45/06
	201461950754 P	A61P 19/04
	201461985884 P	(11) EP2480075
	201461992109 P	(21) EP10819325.1
	(32) 16.07.2013	

- (22) 21.09.2010
(54) COMPOSITIONS AND METHODS FOR INDUCING OR ENHANCING CONNECTIVE TISSUE REPAIR
(73) Glenpharma AB
(72) BUCKLEY, Peter, Byron
MESSMER, Konrad
PHILLIPS, Mark, William
(74) ir. W.J.J.M. Kempes
(31) 272427 P
(32) 23.09.2009
(33) United States of America
(47) 01.07.2020
-
- (51) A01N 47/00
C07C 227/14
C07C 229/42
C07F 15/02
(11) EP3393246
(21) EP16825388.8
(22) 21.12.2016
(54) PROCESS FOR THE PREPARATION OF A QUELATING AGENT
(73) Trade Corporation International, S.A.
Unipersonal
(72) VICENTE MATILLA, Rebeca
BLASCO BARRIO, José María
(74) J. Hoekstra
(31) 15382657
(32) 22.12.2015
(33) European Patent Office (EPO)
(47) 17.06.2020
-
- (51) A21D 15/02
A21D 13/24
A21D 13/28
A21D 13/60
(11) EP2887821
(21) EP13830291.4
(22) 22.08.2013
(54) METHOD FOR INHIBITING BLOOM ON FROZEN BAKERY PRODUCTS
(73) Dawn Food Products Inc.
(72) TORRES SAN JUAN, Julio Alberto
KUTNER, Jane Louise
GONZALEZ JUAREZ, Juan Gabriel
ALANIS VILLARREAL, Rolando Jesus
JONES, Miles Elton
(74) ir. H.A. Witmans c.s.
(31) 201261692483 P
(32) 23.08.2012
(33) United States of America
(47) 17.06.2020
-
- (51) A22C 11/00
B65D 81/34
H05B 3/00
A23L 5/10
A23L 13/00
(11) EP3478088
(21) EP17804134.9
(22) 16.11.2017
(54) PROCESS FOR TREATING A FOOD PRODUCT, WHICH IS ENCLOSED OR INTRODUCED IN AN ISOLATING CASING OR ENCLOSURE, BY MEANS OF NON CONVENTIONAL RESISTIVE HEATING
(73) Kortschack, Fritz
(72) KORTSCHACK, Fritz
EBERHARDT, Kevin
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102016122395
102017126800
(32) 21.11.2016
15.11.2017
(33) Germany
Germany
(47) 03.06.2020
-
- (51) A22C 13/00
(11) EP2567619
(21) EP11007303.8
(22) 08.09.2011
(54) Smoke-impregnated food casings on the basis of cellulose
(73) CaseTech GmbH
(72) Henze-Wethkamp, Heinrich
Krallmann, Anton
(74) dr. G. Visser-Luirink
(47) 24.06.2020
-
- (51) A23D 9/00
A61K 31/19
A61K 31/20
A61K 36/13
A61P 31/04
C11C 1/04
A23K 10/32
A23L 33/115
(11) EP3030248
(21) EP14797471.1
(22) 09.05.2014
(54) TALL OIL FATTY ACID FOR USE IN TREATMENT AND ANIMAL FEED SUPPLEMENTS AND COMPOSITIONS THEREOF
(73) HANKKIJA OY
(72) VUORENMAA, Juhani
KETTUNEN, Hannele
(74) ir. A.R. Aalbers
(31) 20135506
(32) 14.05.2013
(33) Finland
(47) 24.06.2020
-
- (51) A23D 9/00
A61K 31/19
A61K 31/20
A61K 36/13
C11C 1/04
A23K 10/32
A23K 20/158
A23L 33/115
(11) EP2996484
(21) EP14797745.8
(22) 09.05.2014
(54) USE OF TALL OIL FATTY ACID
(73) HANKKIJA OY
(72) VUORENMAA, Juhani
KETTUNEN, Hannele
(74) ir. A.R. Aalbers
(31) 20135506
(32) 14.05.2013
(33) Finland
(47) 08.07.2020
-
- (51) A23G 1/04
A23G 1/20
(11) EP3157350
(21) EP15751107.2
(22) 18.06.2015
(54) POURING BATCHING DEVICE FOR FAT-CONTAINING SUBSTANCES, IN PARTICULAR FOR CHOCOLATE
(73) Live-tech S.r.l.
(72) VEGLIO, Domenico
(74) dr. A. Krebs
(31) TO20140482
(32) 18.06.2014
(33) Italy
(47) 12.08.2020
-
- (51) A23G 1/48
A23L 25/00
(11) EP3389388
(21) EP16809362.3
(22) 08.12.2016
(54) EDIBLE COCOA PRODUCT
(73) Gebrüder Neeb GmbH & Co. KG
(72) LEDERER, Ludwig
(74) ir. A.R. Aalbers
(31) 102015225225
(32) 15.12.2015
(33) Germany
(47) 24.06.2020
-
- (51) A23G 9/38
(11) EP3282864
(21) EP16731368.3
(22) 15.04.2016
(54) A FROZEN AERATED CONFECTIONERY PRODUCT AND A METHOD FOR PREPARING SUCH A PRODUCT
(73) FrieslandCampina Nederland B.V.
(72) BARTELS-ARNTZ, Marjoleine Maria
Theodora Gerarda
ALTING, Aart Cornelis
WESTERBEEK, Johannes Martinus
Maria
(74) ir. W.J.J.M. Kempes
(31) 15163631
(32) 15.04.2015
(33) European Patent Office (EPO)
(47) 03.06.2020
-
- (51) A23J 1/06
A23J 3/12
A23L 3/12
A61K 8/98
A61Q 19/00
B02C 13/00
A23K 10/24
(11) EP3459356
(21) EP18152812.6
(22) 22.01.2018
(54) IMPROVED METHOD FOR PRODUCING BLOOD MEAL
(73) Tessengerlo Group NV
(72) BELMANS, Marc
DELMOTTE, Matthieu
FILLIÈRES, Romain
LOUSSOUARN, Vincent
(74) drs. W.H.P. Derks
(47) 03.06.2020
-
- (51) A23K 10/00
A23K 10/16
A23K 20/10
A23K 20/158
A23K 40/00
(11) EP3139764
(21) EP15726283.3

(22) 08.04.2015	(47) 01.07.2020	TEECE, John
(54) METHOD FOR PRODUCING AN ANIMAL FEED AND USE THEREOF	(51) A24C 5/352	(74) ir. W.J.J.M. Kempes
(73) Sevecom S.p.A.	A24C 5/358	(31) 201612964
(72) SERINO, Nazzaro	B65G 17/00	(32) 27.07.2016
(74) mr.ir. F.N. Ferro	(11) EP2596708	(33) United Kingdom
(31) MI20140646	(21) EP12193548.0	(47) 05.08.2020
(32) 08.04.2014	(22) 21.11.2012	(51) A44B 19/24
(33) Italy	(54) Handling assembly for transport containers for rod-shaped articles for the tobacco industry and method for changing of the fill level of transport containers	A44B 19/26
(47) 10.06.2020	(73) Hauni Maschinenbau GmbH	A44B 19/34
(51) A23L 3/375	(72) Knabe, Michael	(11) EP3509455
F25D 3/10	Budny, Piotr	(21) EP17780463.0
F25D 3/12	Müller, Thomas	(22) 04.09.2017
(11) EP2657631	Horn, Matthias	(54) ZIPPER DEVICE COMPRISING AN ELECTRICALLY CONDUCTIVE SLIDER
(21) EP13163041.0	Meier, Arnd	(73) Genius Objects
(22) 10.04.2013	(74) ir. F.A. Geurts c.s.	(72) TOURRETTE, Philippe
(54) Method and device for cooling products	(31) 102011055603	FAUCHER, Alexandre
(73) Messer France S.A.S.	(32) 22.11.2011	(74) ir. W.J.J.M. Kempes
Messer Group GmbH	(33) Germany	(31) 1658303
(72) Emir, Tebib	(47) 01.07.2020	(32) 07.09.2016
Gockel, Frank	(51) A24F 47/00	(33) France
(74) ir. W.J.J.M. Kempes	(11) EP3448183	(47) 24.06.2020
(31) 102012008593	(21) EP17714482.1	(51) A45D 20/12
(32) 27.04.2012	(22) 31.03.2017	(11) EP3367840
(33) Germany	(54) AEROSOL-GENERATING DEVICE WITH SECURING MEANS	(21) EP16787809.9
(47) 15.07.2020	(73) Philip Morris Products S.A.	(22) 25.10.2016
(51) A23N 12/02	(72) REEVELL, Tony	(54) HAIRDRYER WITH IMPROVED ACOUSTIC PERFORMANCE
A23N 12/06	(74) dr. W.A.H.M. Van Borm	(73) BaByliss Faco sprl
(11) EP2262386	(31) 16167325	(72) GILSOUL, Frédéric
(21) EP09718540.9	(32) 27.04.2016	SMAL, Olivier
(22) 05.03.2009	(33) European Patent Office (EPO)	DOBSON, Barry
(54) METHOD AND EQUIPMENT FOR THE WASHING AGAINST CURRENT, FOR THE TRANSPORTATION AND THE PHYSICAL/CHEMICAL TREATMENT OF VEGETABLES AND FRUITS, IN A RESTRICTED ENVIRONMENT, WITH HIGH WATER AND ENERGY EFFICIENCY	(47) 05.08.2020	VYAS, Kunal
(73) Turatti S.r.l.	(51) A41C 3/00	(74) ir. W.J.J.M. Kempes
(72) BOSCHETTI, Italo	A41C 3/02	(31) 15191751
(74) J.M.H. Duyver lic.	A41C 3/04	(32) 27.10.2015
(31) TV20080038	A41C 3/06	(33) European Patent Office (EPO)
(32) 06.03.2008	A41C 5/00	(47) 08.07.2020
(33) Italy	A61M 1/06	(51) A46B 9/04
(47) 12.08.2020	(11) EP3334301	A46B 11/00
(51) A24C 5/34	(21) EP16834373.9	A61C 17/02
A24C 5/47	(22) 12.08.2016	A61C 17/22
B65H 23/04	(54) HANDS FREE PUMPING BUSTIER	A61C 19/06
B65H 35/04	(73) Medela Holding AG	(11) EP3366261
B65H 43/08	(72) KAWASAKI, Don	(21) EP17197586.5
A24C 5/00	(74) dr. A. Ellens c.s.	(22) 20.10.2017
(11) EP2727481	(31) 201562204096 P	(54) DENTAL TRAY FOR CLEANING TEETH
(21) EP13190814.7	(32) 12.08.2015	(73) Al Machot, Elyan
(22) 30.10.2013	(33) United States of America	EI Machot, Mahmod
(54) METHOD FOR DETECTING THE POSITION OF A PRE-PRINTED STRIP OF MATERIAL IN A MACHINE FOR THE TOBACCO PROCESSING INDUSTRY, AND MACHINE FOR THE TOBACCO PROCESSING INDUSTRY	(47) 10.06.2020	(72) Al Machot, Elyan
(73) Hauni Maschinenbau GmbH	(51) A41D 19/04	EI Machot, Mahmod
(72) Sacher, Dirk	B29C 65/18	(74) ir. W.J.J.M. Kempes
Kalus, Peter	B29C 65/30	(31) 102017104139
(74) ir. F.A. Geurts c.s.	B29C 65/74	(32) 28.02.2017
(31) 102012220155	B29C 65/78	(33) Germany
(32) 06.11.2012	B29L 31/48	(47) 10.06.2020
(33) Germany	B29D 99/00	(51) A47G 9/10
	(11) EP3275634	(11) EP3395208
	(21) EP17177522.4	(21) EP18020164.2
	(22) 22.06.2017	(22) 19.04.2018
	(54) APPLICATOR MITT AND METHOD OF ASSEMBLING AN APPLICATOR MITT	(54) KIT FOR ASSEMBLING A PILLOW
	(73) SLG Brands Limited	(73) Ollin bvba
	(72) COUND, Tim	(72) Melsen, Gert
	JONES, Jeremy	(74) ir. W.J.J.M. Kempes
		(31) 201700046
		(32) 26.04.2017
		(33) Belgium

(47) 17.06.2020	HANLEY, Conor M.	(22) 25.01.2013
(51) A47H 13/01	(74) ir. A. Blokland c.s.	(54) SYSTEM AND METHOD FOR
A63J 1/02	(31) 201662427631 P	DIAGNOSIS OF BOVINE DISEASES
F16B 2/10	201762534329 P	USING AUSCULTATION ANALYSIS
F16L 3/12	PCT/US2017/046204	(73) Intervet International B.V.
(11) EP3366171	(32) 29.11.2016	(72) GEISSLER, Randolph, K.
(21) EP18158314.7	19.07.2017	TAYLOR, Wade, A.
(22) 23.02.2018	10.08.2017	NELSON, Scott, A.
(54) SUSPENSION AID FOR SUSPENDING	(33) United States of America	LEWIS, Steve, A.
AN OBJECT FROM A TUBE	United States of America	TAYLOR, Garrett, W.
(73) Eureka P.D. & E.	World Intellectual Property Office (WIPO)	NOFFSINGER, Thomas, H.
lac B.V.	(47) 29.07.2020	(74) drs. P.F.H.M. van Someren c.s.
(72) LIESHOUT, van, Steven	(51) A61B 5/00	(31) 201213442569
(74) ir. G.J.M. Verhees	A61B 8/00	(32) 09.04.2012
(31) 2018414	G01H 9/00	(33) United States of America
(32) 23.02.2017	G01N 21/47	(47) 10.06.2020
(33) Netherlands	(11) EP3304046	(51) A61B 17/00
(47) 03.06.2020	(21) EP16802686.2	A61M 16/08
(51) A47K 10/34	(22) 30.05.2016	A61M 39/10
A47K 10/42	(54) SYSTEM AND METHOD	(11) EP3145575
(11) EP3157403	FOR DETERMINING AUDIO	(21) EP15766267.7
(21) EP14895312.8	CHARACTERISTICS FROM WITHIN A	(22) 27.08.2015
(22) 19.06.2014	BODY	(54) MULTI-LUMEN CO-RADIAL
(54) DISPENSER AND METHOD OF	(73) Elbit Systems Land and C4I Ltd.	PNEUMATIC CONNECTOR
REPLENISHING A DISPENSER	(72) LEIZERSON, Ilya	(73) Alcon Inc.
(73) Essity Hygiene and Health Aktiebolag	ALFASSI, Barak	(72) FOSTER, James
(72) LARSSON, Björn	(74) ir. M.F.J.M. Ketelaars c.s.	HOPKINS, Mark
MÖLLER, Per	(31) 23911315	(74) ir. W.J.J.M. Kempes
SAHLIN, David	(32) 01.06.2015	(47) 10.06.2020
THORÉN, Lars	(33) Israel	(51) A61B 17/12
(74) ir. M.F.J.M. Ketelaars c.s.	(47) 12.08.2020	(11) EP3253304
(47) 15.07.2020	(51) A61B 5/0215	(21) EP16716110.8
(51) A61B 5/00	(11) EP2380491	(22) 28.03.2016
(11) EP3197342	(21) EP11156534.7	(54) EMBOLIC COIL DELIVERY SYSTEM
(21) EP15844276.4	(22) 02.03.2011	WITH EASY-RELEASE KNOT
(22) 21.09.2015	(54) Portable sensor device and patient	(73) Boston Scientific Scimed, Inc.
(54) WEARABLE HEMOPERFUSION	monitor	(72) ANDERSON, Mary-Claire
DEVICE	(73) Pulsion Medical Systems AG	TASSONI, Nicholas
(73) ExThera Medical Corporation	(72) Steiner, Christian, Dr.	GUPTA, Ajay
(72) WARD, Robert S.	Gutzler, Dominik	(74) ir. A.R. Aalbers
MCCREA, Keith R.	Veeck, Marcus	(31) 201562138498 P
(74) dr. T. Wittop Koning PhD	Scheier, Jörg, Dr.	(32) 26.03.2015
(31) 201462053706 P	Manegold, Christoph	(33) United States of America
201562117108 P	(74) ir. H.A. Witmans c.s.	(47) 08.07.2020
(32) 22.09.2014	(31) 102010010610	(51) A61B 17/14
17.02.2015	(32) 08.03.2010	(11) EP3308724
(33) United States of America	(33) Germany	(21) EP17187136.1
United States of America	(47) 10.06.2020	(22) 13.12.2013
(47) 05.08.2020	(51) A61B 5/08	(54) SURGICAL SAW
(51) A61B 5/00	A61B 5/087	(73) DePuy Synthes Products, LLC
A61B 5/07	A61M 16/10	(72) NARDUCCI, David
A61B 5/107	(11) EP2827932	DELRIO, Eddy Humberto
(11) EP3463082	(21) EP13764140.3	(74) ir. M.F.J.M. Ketelaars c.s.
(21) EP17832828.2	(22) 19.03.2013	(31) 201213715219
(22) 29.11.2017	(54) VIRTUAL RESPIRATORY GAS	(32) 14.12.2012
(54) WIRELESS RESONANT CIRCUIT AND	DELIVERY SYSTEMS AND CIRCUITS	(33) United States of America
VARIABLE INDUCTANCE VASCULAR	(73) Thornhill Scientific Inc.	(47) 15.07.2020
IMPLANTS FOR MONITORING	(72) KLEIN Michael	(51) A61B 17/20
PATIENT VASCULATURE SYSTEM	FISHER Joseph	A61M 5/00
(73) Foundry Innovation & Research 1, Ltd.	(74) drs. P.F.H.M. van Someren c.s.	A61M 35/00
(72) SWEENEY, Fiachra, M.	(31) 201261612791 P	B65D 47/00
JOHNSON, Jessi	(32) 19.03.2012	(11) EP2986333
MARTIN, Pablo	(33) United States of America	(21) EP14785340.2
RAGHUNATHAN, Shriram	(47) 03.06.2020	(22) 11.04.2014
SHERIDAN, Stephen	(51) A61B 7/00	(54) MEDICAL SKIN APPLICATOR
SUTTON, Douglas, S.	A61B 7/04	APPARATUS
WETTERLING, Friedrich	(11) EP2836131	(73) Zurex Pharma, Inc.
GIFFORD III, Hanson, S.	(21) EP13775692.0	(72) DURHAM, Carmine J.

MORGAN, R. Andrew	(47) 15.07.2020	(74) ir. M.F.J.M. Ketelaars c.s.
PARKS, Dawn	(51) A61C 8/00	(31) 144007 P
KVALO, Michael	A61C 13/00	686340
(74) ir. A. Blokland c.s.	A61C 13/01	(32) 12.01.2009
(31) 201361813953 P	A61C 13/20	12.01.2010
(32) 19.04.2013	A61C 13/225	(33) United States of America
(33) United States of America	(11) EP3443932	United States of America
(47) 03.06.2020	(21) EP18189345.4	(47) 08.07.2020
(51) A61B 17/22	(22) 16.08.2018	(51) A61F 9/007
A61B 17/3203	(54) BAR MANUFACTURING AND	(11) EP3332756
A61M 25/00	DENTURE REFERENCE AND	(21) EP16841960.4
A61M 25/09	REGISTRATION SYSTEM	(22) 01.09.2016
(11) EP3468650	(73) Global Dental Science LLC	(54) VITREOUS BODY CUTTER
(21) EP17731402.8	(72) GROBBEE Johannes Petrus Michael	(73) Mani, Inc.
(22) 08.06.2017	VAN DER MEER Robert	(72) MURAKAMI, Etsuo
(54) INFUSION CATHETER	(74) ir. H.A. Witmans c.s.	(74) mr. ir. J. van Breda c.s.
(73) Boston Scientific Scimed, Inc.	(31) 201762546404 P	(31) 2015171766
(72) BONNETTE, Michael J.	(32) 16.08.2017	(32) 01.09.2015
ANDERSON, Jason T.	(33) United States of America	(33) Japan
MORRIS, David B.	(47) 10.06.2020	(47) 05.08.2020
(74) ir. A.R. Aalbers	(51) A61C 13/00	(51) A61F 13/08
(31) 201662347942 P	A61C 13/083	D03D 15/00
(32) 09.06.2016	A61C 13/09	A41D 1/00
(33) United States of America	C04B 35/48	(11) EP3287107
(47) 15.07.2020	A61C 5/73	(21) EP17186350.9
(51) A61B 17/68	A61C 5/77	(22) 16.08.2017
A61B 17/80	(11) EP3517072	(54) COMPRESSION GARMENT WITH
(11) EP3257459	(21) EP19162533.4	MULTIPLE COMPRESSION FORCES
(21) EP17176459.0	(22) 23.12.2016	AND METHOD FOR FORMING THE
(22) 16.06.2017	(54) BLANK AND DENTAL RESTORATION	SAME
(54) DISTRACTION KIT	(73) DeguDent GmbH	(73) Sanko Tekstil Isletmeleri San. Ve Tic.
(73) Paragon 28, Inc.	DENTSPLY SIRONA Inc.	A.S.
(72) DACOSTA, Albert	(72) VOELKL, Lothar	(72) KONUKOGLU, Fatih
CHANG, Thomas	FECHER, Stefan	KONUKOGLU, Ozlem
BONO, Frank S.	KUTZNER, Martin	KORKMAZ, Fatma
RAYMOND, Spanky	OEFNER, Tanja	OZDEN, Erdogan Baris
(74) ir. A. Blokland c.s.	(74) ir. W.J.J.M. Kempes	KOHENER, Lian
(31) 201615186005	(31) 102015122861	COBANOGLU, Ozgur
(32) 17.06.2016	(32) 28.12.2015	MERT, Serkan
(33) United States of America	(33) Germany	ERKUS, Ertug
(47) 05.08.2020	(47) 24.06.2020	(74) dr. G. Visser-Luirink
(51) A61B 34/20	(51) A61F 2/00	(31) 16185109
(11) EP3024408	A61F 2/14	17167582
(21) EP13739981.2	A61F 2/16	(32) 22.08.2016
(22) 19.07.2013	(11) EP3427693	21.04.2017
(54) WRONG LEVEL SURGERY	(21) EP18180495.6	(33) European Patent Office (EPO)
PREVENTION	(22) 27.09.2011	European Patent Office (EPO)
(73) Brainlab AG	(54) REVERSIBLY DEFORMABLE	(47) 22.07.2020
(72) ESSENREITER, Robert	ARTIFICIAL CORNEA	(51) A61F 13/15
WEISER, Manfred	(73) KeraMed, Inc.	A61F 13/49
(74) ir. H.A. Witmans c.s.	(72) Shiuey, Yichieh	A61F 13/494
(47) 02.09.2020	Rehal, Michael	B26F 1/38
(51) A61C 3/06	(74) ir. F.A. Geurts c.s.	(11) EP2415569
A61C 17/00	(31) 388386 P	(21) EP10758624.0
(11) EP3485840	(32) 30.09.2010	(22) 29.03.2010
(21) EP18214704.1	(33) United States of America	(54) WORKING MACHINE AND METHOD
(22) 30.07.2008	(47) 24.06.2020	OF WORKING SHEETS
(54) IMPROVED DISPOSABLE	(51) A61F 2/24	(73) Unicharm Corporation
PROPHYLAXIS ANGLE	(11) EP3061421	(72) OONISHI, Hidetoshi
(73) Young Dental Manufacturing I, LLC	(21) EP16164467.9	HAMADA, Akira
(72) SEALS, Robert G.	(22) 13.01.2010	ISHIKAWA, Yasuyuki
HOPP, David M.	(54) APPARATUS FOR FINE ADJUSTMENT	(74) J.M.H. Duyver lic.
TRIPP, Steven D.	OF A PERCUTANEOUS VALVE	(31) 2009091499
(74) ir. M.F.J.M. Ketelaars c.s.	STRUCTURE	(32) 03.04.2009
(31) 89011007	(73) VALVE MEDICAL LTD.	(33) Japan
(32) 03.08.2007	(72) RICHTER, Yoram	(47) 19.08.2020
(33) United States of America	RICHTER, Jacob	(51) A61K 8/02
	WEISZ, Ety	A61K 8/22

A61K 8/31	A61P 31/00	(21) EP15884181.7
A61K 8/34	A61P 31/16	(22) 10.03.2015
A61K 8/37	B01D 3/10	(54) METHOD FOR LOCAL REDUCTION OF
A61K 8/42	C07C 7/04	MICROBIAL SKIN FLORA
A61K 8/81	C07C 11/21	(73) COVALON TECHNOLOGIES INC.
A61Q 11/00	C12N 7/00	(72) HANDS, John Richard
(11) EP3068367	(11) EP3489211	DITIZIO, Valerio
(21) EP14799400.8	(21) EP19151232.6	(74) ir. H.A. Witmans c.s.
(22) 14.11.2014	(22) 12.05.2011	(47) 17.06.2020
(54) SYSTEM AND METHOD FOR	(54) IMPROVED METHODS FOR	<hr/>
APPLYING ORAL CARE AGENTS	PREPARING SQUALENE	(51) A61K 31/165
(73) Koninklijke Philips N.V.	(73) Novartis AG	A61K 31/415
(72) YOUNG, Nigel, David	(72) HORA, Maninder	A61K 31/4192
GWYER, James, Donald	(74) ir. M.F.J.M. Ketelaars c.s.	A61K 31/4439
RECCIUS, Hermann, Christian	(31) 39544810 P	A61K 31/444
SABAH, Zeynep	(32) 12.05.2010	A61K 31/472
MOHAN, Veena	(33) United States of America	A61P 3/10
BERNARD-FICHET, Estelle, Julie,	(47) 15.07.2020	A61P 7/12
Dorothee	<hr/>	A61P 9/10
DE LAAT, Antonius, Wilhelmus, Maria	(51) A61K 9/16	A61P 17/00
LUB, Johan	A61K 9/20	A61P 25/00
WILLARD, Nicolaas, Petrus	A61K 9/28	A61P 31/18
(74) drs. O. Griebing	A61K 9/50	A61P 35/00
(31) 13192958	A61K 31/485	C07D 213/74
(32) 14.11.2013	A61K 45/06	C07D 213/81
(33) European Patent Office (EPO)	A61P 25/04	C07D 401/12
(47) 17.06.2020	(11) EP3170492	(11) EP2235000
(51) A61K 9/00	(21) EP17150886.4	(21) EP09700499.8
(11) EP3145488	(22) 01.03.2013	(22) 12.01.2009
(21) EP15723695.1	(54) TAMPER RESISTANT IMMEDIATE	(54) CHEMICAL MOLECULES THAT INHIBIT
(22) 15.05.2015	RELEASE FORMULATIONS	THE SLICING MECHANISM FOR
(54) LIQUID PHARMACEUTICAL	(73) Rhodes Pharmaceuticals L.P.	TREATING DISEASES RESULTING
COMPOSITION	(72) Adjei, Akwete L.	FROM SPLICING ANOMALIES
(73) Fresenius Kabi Deutschland GmbH	Chen, Sibao	(73) Institut Curie
(72) RINALDI, Gianluca	Kupper, Robert Joe	Centre National de la Recherche
FRATARCANGELI, Silvia	Mancinelli, Vincent	Scientifique (CNRS)
DEL RIO, Alessandra	(74) J.M.H. Duyver lic.	UNIVERSITE DE MONTPELLIER
(74) ir. W.J.J.M. Kempes	(31) 201261606156 P	(72) TAZI, Jamal
(31) 14169755	201261724141 P	GRIERSON, David
(32) 23.05.2014	(32) 02.03.2012	MAHUTEAU-BETZER, Florence
(33) European Patent Office (EPO)	08.11.2012	ROUX, Pierre
(47) 22.07.2020	(33) United States of America	(74) ir. W.J.J.M. Kempes
(51) A61K 9/10	United States of America	(31) 0850144
A61K 9/127	(47) 08.07.2020	(32) 10.01.2008
A61P 31/04	<hr/>	(33) France
(11) EP2861214	(51) A61K 9/20	(47) 17.06.2020
(21) EP13732388.7	A61K 9/28	<hr/>
(22) 13.06.2013	A61K 31/519	(51) A61K 31/202
(54) TAILORED LIPOSOMES FOR THE	A61P 35/00	A61K 31/702
TREATMENT OF BACTERIAL	(11) EP2654736	A61K 38/01
INFECTIONS	(21) EP11849974.8	A61P 1/00
(73) Universität Bern	(22) 20.12.2011	A61P 3/10
(72) BABYCHUK, Eduard	(54) NOVEL PHARMACEUTICAL	A61P 29/00
DRAEGER, Annette	COMPOSITION	(11) EP2968437
(74) ir. W.J.J.M. Kempes	(73) Novartis AG	(21) EP14714100.6
(31) 12171924	(72) DeMARINI, Douglas, J.	(22) 11.03.2014
13153039	LE, Ngocdiep, T.	(54) CASEIN HYDROLYSATE FOR USE IN
(32) 14.06.2012	HENRIQUEZ, Francisco	TREATING INFLAMMATORY DISEASES
29.01.2013	WANG, Lihong	(73) MJN U.S. Holdings LLC
(33) European Patent Office (EPO)	(74) ir. M.F.J.M. Ketelaars c.s.	(72) HONDMANN, Dirk,
European Patent Office (EPO)	(31) 201061424967 P	VAN TOL, Eric A.F.,
(47) 05.08.2020	(32) 20.12.2010	GROSS, Gabriele,
(51) A61K 9/107	(33) United States of America	SCHOEMAKER, Marieke H.,
A61K 31/01	(47) 01.07.2020	LAMBERS, Teartse Tim,
A61K 39/00	(51) A61K 9/70	(74) ir. W.J.J.M. Kempes
A61K 39/145	A61L 15/22	(31) 201313838539
A61K 39/39	A61L 15/44	(32) 15.03.2013
A61K 47/06	A61L 15/58	(33) United States of America
	A61P 31/02	(47) 29.07.2020
	(11) EP3265137	<hr/>
		(51) A61K 31/33

A61K 31/47	CAPEZZONE DE JOANNON,	KARABELAS, Konstantinos
A61K 39/395	Alessandra	MOGEMARK, Mickael
A61P 35/00	CORSO, Gaia	BOLD, Peter
C07K 16/28	CAVARISCHIA, Claudia	TYRCHAN, Christian
C12N 15/09	FURLOTTI, Guido	NIKITIDIS, Antonios
A61K 33/24	IACOANGELI, Tommaso	PETERSEN, Jens
(11) EP3284752	(74) ir. A. Blokland c.s.	BÖRJESSON, Ulf
(21) EP16780097.8	(31) 14198414	(74) ir. W.J.J.M. Kempes
(22) 14.04.2016	(32) 17.12.2014	(31) 201662398006 P
(54) ANTI-HUMAN NOTCH 4 ANTIBODY	(33) European Patent Office (EPO)	(32) 22.09.2016
(73) Eisai R&D Management Co., Ltd.	(47) 08.07.2020	(33) United States of America
(72) SAKAMOTO, Yoshimasa	(51) A61K 31/4245	(47) 15.07.2020
ADACHI, Yusuke	A61P 25/00	(51) A61K 31/4704
MATSUI, Junji	C07D 413/12	A61P 35/00
KATO, Yu	(11) EP3430010	A61P 35/02
OZAWA, Yoichi	(21) EP17710286.0	C07D 215/26
ABE, Takanori	(22) 14.03.2017	(11) EP3390364
ITO, Ken	(54) 5-ETHYL-4-METHYL-PYRAZOLE-3-	(21) EP16875067.7
NAKAZAWA, Yuya	CARBOXAMIDE DERIVATIVE HAVING	(22) 15.12.2016
TACHINO, Sho	ACTIVITY AS AGONIST OF TAAR	(54) SMALL MOLECULES FOR INHIBITING
SUZUKI, Katsuhisa	(73) F. Hoffmann-La Roche AG	CHEMOKINE ACTIVITY AND/OR
AGARWALA, Kishan	(72) GALLEY, Guido	CANCER CELLS GROWTH
HOSHINO, Kana	HOENER, Marius	(73) Biokine Therapeutics Ltd.
KATAYAMA, Masahiko	NORCROSS, Roger	(72) PELED, Amnon
(74) ir. W.J.J.M. Kempes	PFLIEGER, Philippe	ABRAHAM, Michal
(31) 201562148253 P	(74) drs. C.M.A. Quintelier	EIZENBERG, Orly
(32) 16.04.2015	(31) 16160790	(74) ir. W.J.J.M. Kempes
(33) United States of America	(32) 17.03.2016	(31) 201562268586 P
(47) 01.07.2020	(33) European Patent Office (EPO)	(32) 17.12.2015
(51) A61K 31/337	(47) 15.07.2020	(33) United States of America
A61N 1/40	(51) A61K 31/4412	(47) 15.07.2020
A61K 41/00	A61P 35/00	(51) A61K 31/4709
(11) EP2012872	C07D 213/69	A61K 31/4725
(21) EP07872062.0	(11) EP3517526	A61K 31/502
(22) 03.04.2007	(21) EP19160650.8	A61K 31/517
(54) TREATING CANCER USING	(22) 09.09.2015	A61P 1/00
ELECTROMAGNETIC FIELDS IN	(54) PYRIDINONES AS REARRANGED	A61P 11/00
COMBINATION WITH ANTI-CANCER	DURING TRANSFECTION (RET)	A61P 17/00
DRUGS	INHIBITORS	A61P 19/00
(73) Novocure GmbH	(73) GlaxoSmithKline Intellectual Property	A61P 29/00
(72) PALTI, YORAM	Development Limited	A61P 35/00
(74) J.M.H. Duyver lic.	(72) DEMARTINO, Michael P.	A61P 37/00
(31) 744295 P	GUAN, Huiping Amy	C07D 231/42
(32) 05.04.2006	(74) dr. A. Krebs	C07D 401/04
(33) United States of America	(31) PCT/CN2014/086197	C07D 401/06
(47) 12.08.2020	PCT/CN2015/086995	C07D 403/04
(51) A61K 31/395	(32) 10.09.2014	C07D 405/14
A61P 31/04	14.08.2015	(11) EP3263564
C07D 401/14	(33) World Intellectual Property Office (WIPO)	(21) EP17184205.7
C07D 405/14	World Intellectual Property Office (WIPO)	(22) 28.02.2013
C07D 413/14	(47) 19.08.2020	(54) AZA-ARYL 1H-PYRAZOL-1-YL
C07D 471/04	(51) A61K 31/4439	BENZENE SULFONAMIDES AS CCR(9)
C07D 491/04	A61P 11/00	ANTAGONISTS
C07D 493/04	A61P 11/06	(73) ChemoCentryx, Inc.
C07D 495/04	C07D 417/14	(72) CHEN, Xi
C07D 497/04	C07D 471/04	FAN, Junfa
(11) EP3233827	C07D 487/04	FAN, Pingchen
(21) EP15808404.6	(11) EP3515910	KRASINSKI, Antoni
(22) 14.12.2015	(21) EP17772381.4	LI, Lianfa
(54) ANTIBACTERIAL COMPOUNDS	(22) 21.09.2017	LUI, Rebecca, M.
HAVING BROAD SPECTRUM OF	(54) 5-[2-(PYRIDIN-2-YLAMINO)-1,3-	McMAHON, Jeffrey, P.
ACTIVITY	THIAZOL-5-YL]-2,3-DIHYDRO-1H-	POWERS, Jay, P.
(73) Aziende Chimiche Riunite Angelini	ISOINDOL-1-ONE DERIVATIVES AND	ZENG, Yibin
Francesco A.C.R.A.F. S.p.A.	THEIR USE AS DUAL INHIBITORS OF	ZHANG, Penglie
(72) OMBRATO, Rosella	PHOSPHATIDYLINOSITOL 3-KINASE	(31) 201261604998 P
GAROFALO, Barbara	DELTA & GAMMA	(32) 29.02.2012
MANGANO, Giorgina	(73) Astrazeneca AB	(33) United States of America
	(72) PERRY, Matthew	(47) 10.06.2020

- (51) A61K 31/496
A61P 35/00
C07D 401/04
- (11) EP3472147
(21) EP17729500.3
(22) 15.06.2017
- (54) AZABENZIMIDAZOLE DERIVATIVES AS PI3K BETA INHIBITORS
- (73) Janssen Pharmaceutica NV
- (72) PILATTE, Isabelle, Noëlle, Constance
QUEROLLE, Olivier, Alexis, Georges
ANGIBAUD, Patrick, René
BERTHELOT, Didier, Jean-Claude
COUPA, Sophie
DEMESTRE, Christophe, Gabriel, Marcel
MEERPOEL, Lieven
MERCEY, Guillaume, Jean, Maurice
MEVELLEC, Laurence, Anne
MEYER, Christophe
PASQUIER, Elisabeth, Thérèse, Jeanne
PONCELET, Virginie, Sophie
- (74) ir. W.J.J.M. Kempes
(31) 16174712
(32) 16.06.2016
(33) European Patent Office (EPO)
(47) 17.06.2020
-
- (51) A61K 31/496
A61P 35/00
C07D 401/14
- (11) EP2945940
(21) EP14741180.5
(22) 15.01.2014
- (54) BCL-2/BCL-XL INHIBITORS AND THEIR USE IN THE TREATMENT OF CANCER
- (73) The Regents of The University of Michigan
- (72) WANG, Shaomeng
CHEN, Jianfang
MCEACHERN, Donna
BAI, Longchuan
LIU, Liu
SUN, Duxin
LI, Xiaoqin
AGUILAR, Angelo
- (74) ir. F.A. Geurts c.s.
(31) 201361753066 P
(32) 16.01.2013
(33) United States of America
(47) 15.07.2020
-
- (51) A61K 31/506
A61P 35/00
A61P 35/04
C07D 401/14
- (11) EP3428158
(21) EP17762392.3
(22) 01.03.2017
- (54) SALT OF PYRIDINYL AMINO PYRIMIDINE DERIVATIVE, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF
- (73) Shanghai Allist Pharmaceuticals Co., Ltd.
- (72) LUO, Huibing
ZHOU, Huayong
- (74) J.M.H. Duyver lic.
(31) 201610126987
(32) 07.03.2016
(33) China
(47) 05.08.2020
-
- (51) A61K 31/536
A61K 31/539
A61P 17/00
A61P 17/02
A61P 17/04
A61P 17/06
C07D 265/22
C07D 498/04
- (11) EP3097085
(21) EP15740572.1
(22) 22.01.2015
- (54) BENZOXAZINONE DERIVATIVES FOR TREATMENT OF SKIN DISEASES
- (73) Sixera Pharma AB
- (72) WÄGBERG, Fredrik
LEONARDSSON, Göran
- (74) ir. W.J.J.M. Kempes
(31) 1430003
(32) 23.01.2014
(33) Sweden
(47) 29.07.2020
-
- (51) A61K 31/5513
A61P 35/00
C07D 487/04
C07D 519/00
C07K 7/02
C07K 16/28
- (11) EP3189056
(21) EP15763739.8
(22) 02.09.2015
- (54) CYTOTOXIC BENZODIAZEPINE DERIVATIVES
- (73) ImmunoGen, Inc.
- (72) CHARI, Ravi V.J.
MILLER, Michael Louis
SHIZUKA, Manami
- (74) ir. H.A. Witmans c.s.
(31) 201462045248 P
201462087040 P
201562149370 P
201562164305 P
(32) 03.09.2014
03.12.2014
17.04.2015
20.05.2015
(33) United States of America
United States of America
United States of America
United States of America
(47) 10.06.2020
-
- (51) A61K 31/675
C07F 9/09
- (11) EP3359547
(21) EP16777691.3
(22) 06.10.2016
- (54) CRYSTALLINE FORMS OF FOSNETUPITANT
- (73) Helsinn Healthcare SA
- (72) FADINI, Luca
VENTURINI, Alessio
- (74) dr. A. Ellens c.s.
(31) 201562237839 P
(32) 06.10.2015
(33) United States of America
(47) 22.07.2020
-
- (51) A61K 31/712
C12N 15/113
C12Q 1/6883
- (11) EP2707486
(21) EP12767650.0
(22) 04.04.2012
- (54) DIAGNOSIS AND TREATMENT OF FRIEDREICH'S ATAXIA
- (73) Zain-Luqman, Rula
- (72) BERGQUIST, Helen
GOOD, Liam
- (74) dr. W.A.H.M. Van Borm
(31) 1150310
(32) 08.04.2011
(33) Sweden
(47) 10.06.2020
-
- (51) A61K 31/728
C08B 37/08
- (11) EP3491027
(21) EP17755571.1
(22) 27.07.2017
- (54) PROCESS FOR THE PREPARATION AND PURIFICATION OF THE SODIUM SALT OF HYALURONIC ACID
- (73) Fidia Farmaceutici S.p.A.
- (72) PITTARELLO, Mara
BORILE, Francesco
CORSA, Vincenzo
- (74) J.M.H. Duyver lic.
(31) 201600079633
(32) 28.07.2016
(33) Italy
(47) 01.07.2020
-
- (51) A61K 39/00
A61K 39/395
C07K 16/40
- (11) EP3169362
(21) EP15760317.6
(22) 16.07.2015
- (54) METHODS FOR TREATING HIGH CARDIOVASCULAR RISK PATIENTS WITH HYPERCHOLESTEROLEMIA
- (73) Sanofi Biotechnology
Regeneron Pharmaceuticals, Inc.
- (72) HANOTIN, Corinne
BESSAC, Laurence
CHAUDHARI, Umesh
PORDY, Robert
SCHWEMMER GIPE, Daniel A.
- (74) ir. W.J.J.M. Kempes
(31) 201462025371 P
201462043167 P
201462080725 P
201562132709 P
15305830
(32) 16.07.2014
28.08.2014
17.11.2014
13.03.2015
29.05.2015
(33) United States of America
United States of America
United States of America
United States of America
European Patent Office (EPO)
(47) 10.06.2020
-
- (51) A61K 39/085
A61K 47/64
- (11) EP2493510
(21) EP10779848.0
(22) 30.09.2010

(54) CONJUGATION OF STAPHYLOCOCCUS AUREUS TYPE 5 AND TYPE 8 CAPSULAR POLYSACCHARIDES	(11) EP3514227 (21) EP16916200.5 (22) 13.09.2016	SCHILDT, Janko (74) ir. M.F.J.M. Ketelaars c.s. (31) 102015121409 (32) 09.12.2015 (33) Germany (47) 10.06.2020
(73) GlaxoSmithKline Biologicals SA	(54) METHOD FOR PRODUCING THREE-DIMENSIONAL CELL STRUCTURE AND SUPPORT USED FOR SAME	(47) 10.06.2020
(72) BERTI, Francesco COSTANTINO, Paolo ROMANO, Maria, Rosaria	(73) Ono, Jiro (72) Ono, Jiro (74) J. Hoekstra (47) 10.06.2020	(51) A61M 5/24 A61M 5/315 A61M 5/32
(74) ir. F.A. Geurts c.s. (31) 247518 P (32) 30.09.2009 (33) United States of America (47) 08.07.2020	(51) A61L 29/06 (11) EP3395380 (21) EP18167498.7 (22) 16.04.2018 (54) BALLOON FOR A BALLOON CATHETER AND METHOD FOR PRODUCTION OF SUCH A BALLOON	(11) EP2506890 (21) EP10834861.6 (22) 30.11.2010 (54) INJECTION PEN WITH DIAL BACK AND LAST DOSE CONTROL (73) Becton, Dickinson and Company (72) CRONENBERG, Richard QUINN, Michael WU, Haiming
(51) A61K 39/395 A61P 35/00 C07K 16/28 C12N 15/13	(73) BIOTRONIK AG (72) Schwitzer, Alwin (74) drs. C.H. Mink-Lindenbun	(74) ir. H.A. Witmans c.s. (31) 265562 P 351465 P (32) 01.12.2009 04.06.2010 (33) United States of America United States of America (47) 24.06.2020
(11) EP2867259 (21) EP13813388.9 (22) 02.07.2013	(31) 17167689 (32) 24.04.2017 (33) European Patent Office (EPO) (47) 22.07.2020	(51) A61M 5/142 F04B 43/12 (11) EP3017836 (21) EP15192838.9 (22) 03.11.2015 (54) PULSELESS ROTARY PERISTALTIC PUMP
(54) NOVEL MONOCLONAL ANTIBODY BINDING SPECIFICALLY TO DLL4 AND USE THEREOF	(73) Micrel Medical Devices S.A. (72) Tsoukalis, Achilleas (74) ir. H.A. Witmans c.s.	(21) EP15714491.6 (22) 02.04.2015 (54) DRY POWDER INHALER (73) Iconovo AB (72) LASTOW, Orest ARVIDSSON, Lars (74) mr. ir. J. van Breda c.s. (31) 1450410 (32) 03.04.2014 (33) Sweden (47) 29.07.2020
(73) ABLBio (72) KIM, Eun A PARK, Sang Kyung MOON, Kyung Duk LEE, Dong Heon CHOI, Yu Bin KIM, Dong In KANG, Kyung Jae	(31) 14191769 (32) 04.11.2014 (33) European Patent Office (EPO) (47) 10.06.2020	(51) A61M 11/00 A61M 15/00 (11) EP3125977 (21) EP15714491.6 (22) 02.04.2015 (54) DRY POWDER INHALER (73) Iconovo AB (72) LASTOW, Orest ARVIDSSON, Lars (74) mr. ir. J. van Breda c.s. (31) 1450410 (32) 03.04.2014 (33) Sweden (47) 29.07.2020
(74) dr. A. Ellens c.s. (31) 20120071996 20130071261 (32) 02.07.2012 20.06.2013 (33) Korea (Republic) Korea (Republic) (47) 17.06.2020	(51) A61M 5/158 (11) EP3325047 (21) EP16748083.9 (22) 21.07.2016 (54) INFUSION SET WITH VARIABLE MOUNTING ORIENTATIONS	(51) A61M 11/04 A61M 15/06 A24F 47/00 (11) EP3487566 (21) EP17758283.0 (22) 25.07.2017 (54) ELECTRONIC CIGARETTE WITH ILLUMINATED TIP (73) Fontem Holdings 1 B.V. (72) ALARCON, Ramon HOFFMAN, Adam MYLES, Christopher CONREY, James R. (74) ir. M.F.J.M. Ketelaars c.s. (31) 201615219043 (32) 25.07.2016 (33) United States of America (47) 10.06.2020
(51) A61K 39/395 C07K 14/005 C07K 16/00 C12N 9/22 C12N 15/10 C12N 15/90	(73) Vicentra B.V. (72) BRANDENBURG, Allen E. LYNCH, George R. PRICE, Bret W. COCKE, David C. (74) drs. A.A. Jilderda (31) 201562195539 P 201562195579 P (32) 22.07.2015 22.07.2015 (33) United States of America United States of America (47) 01.07.2020	(51) A61M 11/04 A61M 15/06 A24F 47/00 (11) EP3487566 (21) EP17758283.0 (22) 25.07.2017 (54) ELECTRONIC CIGARETTE WITH ILLUMINATED TIP (73) Fontem Holdings 1 B.V. (72) ALARCON, Ramon HOFFMAN, Adam MYLES, Christopher CONREY, James R. (74) ir. M.F.J.M. Ketelaars c.s. (31) 201615219043 (32) 25.07.2016 (33) United States of America (47) 10.06.2020
(11) EP3461893 (21) EP18192764.1 (22) 01.05.2015	(74) drs. A.A. Jilderda (31) 201562195539 P 201562195579 P (32) 22.07.2015 22.07.2015 (33) United States of America United States of America (47) 01.07.2020	(51) A61M 11/04 A61M 15/06 A24F 47/00 (11) EP3487566 (21) EP17758283.0 (22) 25.07.2017 (54) ELECTRONIC CIGARETTE WITH ILLUMINATED TIP (73) Fontem Holdings 1 B.V. (72) ALARCON, Ramon HOFFMAN, Adam MYLES, Christopher CONREY, James R. (74) ir. M.F.J.M. Ketelaars c.s. (31) 201615219043 (32) 25.07.2016 (33) United States of America (47) 10.06.2020
(54) PREPARATION OF LIBRARIES OF PROTEIN VARIANTS EXPRESSED IN EUKARYOTIC CELLS AND USE FOR SELECTING BINDING MOLECULES	(73) Iontas Limited (72) MCCAFFERTY, John DYSON, Michael PARTHIBAN, Kothai (74) ir. M.F.J.M. Ketelaars c.s. (31) 201407852 (32) 02.05.2014 (33) United Kingdom (47) 08.07.2020	(51) A61M 11/04 A61M 15/06 A24F 47/00 (11) EP3487566 (21) EP17758283.0 (22) 25.07.2017 (54) ELECTRONIC CIGARETTE WITH ILLUMINATED TIP (73) Fontem Holdings 1 B.V. (72) ALARCON, Ramon HOFFMAN, Adam MYLES, Christopher CONREY, James R. (74) ir. M.F.J.M. Ketelaars c.s. (31) 201615219043 (32) 25.07.2016 (33) United States of America (47) 10.06.2020
(51) A61L 27/00 A61L 27/38 C12M 1/00 C12M 3/06 C12N 5/00 C12N 5/071 C12N 5/09	(51) A61M 5/20 A61M 5/31 A61M 5/315 (11) EP3386564 (21) EP16801998.2 (22) 17.11.2016 (54) INJECTION DEVICE FOR INJECTING DOSED AMOUNTS OF A LIQUID THERAPEUTIC AGENT	(51) A61M 15/00 (11) EP3294389 (21) EP16720861.0 (22) 09.05.2016 (54) DRY POWDER INHALER COMPRISING A LOCKING MECHANISM (73) Iconovo AB (72) LASTOW, Orest JENNFORNS, Peter (74) mr. ir. J. van Breda c.s.
	(73) Emperra GmbH E-Health Technologies (72) BENTRUP, Markus	(74) mr. ir. J. van Breda c.s.

(51) B01D 15/32	(22) 14.07.2016	B01J 20/04
B01D 15/42	(54) FUEL-WATER SEPARATOR FOR	C01B 7/01
C07C 51/42	REMOVING WATER FROM WATER-	C01B 17/56
C12N 1/20	HYDROCARBON EMULSIONS HAVING	(11) EP3424584
C12P 1/04	IMPROVED EFFICIENCY	(21) EP17197257.3
C12P 7/40	(73) Ahlstrom-Munksjö Oyj	(22) 19.10.2017
C12P 7/44	(72) GOODBY, Andrew	(54) DESULFURIZATION ABSORPTION
C12P 7/46	JANA, Praveen	TOWER, METHOD FOR SETTING
(11) EP2847342	ARRINGTON, Crawford	UP THE SAME AND METHOD FOR
(21) EP13787591.0	VENKATESWARAN, Ganga	OPERATING THE SAME
(22) 17.04.2013	HARMON, Aaron	(73) Jiangnan Environmental Protection
(54) PURIFICATION OF SUCCINIC ACID	SHIM, Jesse	Group Inc.
(73) Archer Daniels Midland Company	KWON, Ryan	(72) LUO, Jing
(72) SOPER, John, G.	KIM, Kevin	ZHANG, Congzhi
SCHULTZ, Mitchell	BAE, Jayden	LUO, Yongying
BINDER, Thomas P.	YEO, Patrick	(74) mr. ir. J. van Breda c.s.
(74) J.M.H. Duyver lic.	(74) ir. A. Blokland c.s.	(31) 201710533738
(31) 201261643405 P	(31) 201562208659 P	(32) 03.07.2017
(32) 07.05.2012	(32) 22.08.2015	(33) China
(33) United States of America	(33) United States of America	(47) 08.07.2020
(47) 12.08.2020	(47) 13.05.2020	
(51) B01D 25/172	(51) B01D 47/06	(51) B01D 61/02
B01D 61/18	B01D 47/10	B01D 61/08
B01D 61/20	B01D 53/58	B01D 61/14
B01D 63/08	C05C 9/00	B01D 61/58
(11) EP3342475	C07C 273/16	B01D 63/02
(21) EP17211026.4	(11) EP3454971	C02F 1/00
(22) 17.05.2011	(21) EP17727414.9	C02F 1/44
(54) DEVICE FOR FILTRATION FOR A SET	(22) 09.05.2017	(11) EP2755920
OF FILTER CASSETTES	(54) SUBMICRON PARTICLE REMOVAL	(21) EP12772369.0
(73) EMD Millipore Corporation	FROM GAS STREAMS	(22) 12.09.2012
(72) CIROU, Sébastien	(73) Stamicarbon B.V.	(54) A WATER CONTAINER
WEISSENBACH, Jean-Louis	(72) HIGGINS, Brian Sayre	(73) Lifesaver IP Limited
REINBIGLER, René	TATE III, John Marshall	(72) PRITCHARD, Michael
BEULAY, Jean-Luc	YATES, Robert Arthur	(74) J.M.H. Duyver lic.
MELS, Frans	POMERLEAU, Marcel Julien	(31) 201115680
DELBOS, Cécile	HEON, Jon Michael	(32) 12.09.2011
(74) mr. ir. J. van Breda c.s.	DIRKX, Wilfried Marc Renaat	(33) United Kingdom
(31) 1053875	COLOMA GONZÁLEZ, Juan	(47) 17.06.2020
(32) 19.05.2010	(74) ir. H.A. Witmans c.s.	(51) B01D 61/04
(33) France	(31) 16168796	B01D 61/08
(47) 15.07.2020	(32) 09.05.2016	B01D 61/10
(51) B01D 29/01	(33) European Patent Office (EPO)	C02F 1/00
B01D 29/05	(47) 15.07.2020	C02F 1/28
B01D 35/30	(51) B01D 53/14	C02F 1/44
B01D 63/08	(11) EP3448543	C02F 9/00
B01D 65/00	(21) EP17714493.8	(11) EP3131662
B01L 9/00	(22) 05.04.2017	(21) EP15705770.4
C12M 1/00	(54) USE OF MORPHOLINE-BASED	(22) 09.02.2015
C12M 3/00	HINDERED AMINE COMPOUNDS FOR	(54) APPARATUS FOR TREATING WATER
(11) EP2914367	SELECTIVE REMOVAL OF HYDROGEN	OR LIQUIDS IN GENERAL
(21) EP13776972.5	SULFIDE	(73) Feelfree Srl
(22) 16.10.2013	(73) BASF SE	(72) CARLOTTO, Franco
(54) SUPPORT APPARATUS FOR A FILTER	ExxonMobil Research and Engineering	(74) J.M.H. Duyver lic.
MEMBRANE	Company	(31) VI20140112
(73) Merck Patent GmbH	(72) INGRAM, Thomas	(32) 16.04.2014
(72) AMSTOUTZ, Frederic	VORBERG, Gerald	(33) Italy
SCHAAL, Vincent	ERNST, Martin	(47) 22.04.2020
(74) ir. H.A. Witmans c.s.	PEREIRA, Carla	(51) B01J 2/16
(31) 12290378	SISKIN, Michael	C05C 1/02
(32) 02.11.2012	(74) ir. W.J.J.M. Kempes	C05C 9/00
(33) European Patent Office (EPO)	(31) 16166787	C05G 3/00
(47) 15.07.2020	(32) 25.04.2016	(11) EP3532192
(51) B01D 39/16	(33) European Patent Office (EPO)	(21) EP17800715.9
B01D 39/18	(47) 10.06.2020	(22) 27.10.2017
B01D 39/20	(51) B01D 53/50	(54) FLUIDIZED BED GRANULATION
(11) EP3337589	B01D 53/76	(73) Yara International ASA
(21) EP16740994.5	B01D 53/86	(72) VOORHANS, Jaap
		VANMARCKE, Luc

KAYAERT, André	BIGARRÉ, Janick	PRESSURE GRINDER ROLL
(74) ir. W.J.J.M. Kempes	COUTANCEAU, Christophe	APPARATUSES USING SAME, AND
(31) 16196033	BARANTON, Stève	METHODS OF USE
(32) 27.10.2016	DRU, Delphine	(73) US Synthetic Corporation
(33) European Patent Office (EPO)	(74) ir. F.A. Geurts c.s.	(72) DANIELS, Grant, Kyle
(47) 05.08.2020	(31) 1652936	BURTON, Regan, Leland
(51) B01J 13/16	(32) 04.04.2016	(74) dr. A. Ellens c.s.
(11) EP3206781	(33) France	(31) 201361818076 P
(21) EP15849900.4	(47) 24.06.2020	(32) 01.05.2013
(22) 16.10.2015	(51) B01J 23/94	(33) United States of America
(54) HIGH STRENGTH MICROCAPSULES	B01J 23/96	(47) 17.06.2020
(73) The Procter & Gamble Company	B01J 37/10	(51) B03C 7/00
(72) YAN, Nianxi	C07D 307/36	B08B 1/00
DUAN, Biao	C07D 307/48	B08B 7/00
FENG, Linsheng	(11) EP2911783	G03F 7/20
(31) 201462064906 P	(21) EP13779850.0	G03F 1/72
201562117604 P	(22) 22.10.2013	G03F 1/82
201562199340 P	(54) REGENERATION OF ALDEHYDE	(11) EP3147937
201514884671	DECARBONYLATION CATALYSTS	(21) EP16178942.5
(32) 16.10.2014	(73) Shell Internationale Research	(22) 16.09.2008
18.02.2015	Maatschappij B.V.	(54) DEBRIS REMOVAL FROM A TRENCH
31.07.2015	(72) LANGE, Jean-Paul	FORMED ON A PHOTOLITHOGRAPHIC
15.10.2015	WADMAN, Sipke	MASK
(33) United States of America	(31) 12189605	(73) Rave LLC
United States of America	(32) 23.10.2012	(72) Robinson, Tod Evan
United States of America	(33) European Patent Office (EPO)	Arruza, Bernabe J.
United States of America	(47) 01.07.2020	Roessler, Kenneth Gilbert
(47) 15.07.2020	(51) B01J 31/02	(74) ir. M.F.J.M. Ketelaars c.s.
(51) B01J 23/30	C08J 11/16	(31) 898836
B01J 37/04	(11) EP3394158	(32) 17.09.2007
C07B 61/00	(21) EP16825922.4	(33) United States of America
C07C 253/24	(22) 23.12.2016	(47) 15.07.2020
C07C 255/08	(54) IMPROVED CATALYST COMPLEX AND	(51) B05B 1/00
(11) EP3115107	METHOD OF DEGRADATION OF A	B65D 25/40
(21) EP15759280.9	POLYMER MATERIAL	C04B 20/10
(22) 04.03.2015	(73) Ioniqa Technologies B.V.	C04B 26/26
(54) METHOD FOR PRODUCING AN OXIDE	(72) CASTILLO, Sonja Irene-Marie Reginalde	C04B 111/00
CATALYST, AND A METHOD FOR	VAN BERKUM, Susanne	C04B 111/72
PRODUCING UNSATURATED NITRILE	PHILIPPI, Vincent Gertrudis Antonius	C08K 3/22
(73) ASAHI KASEI KABUSHIKI KAISHA	WOLTERS, Joost Robert	C08L 95/00
(72) ISHII, Yusuke	(74) drs. P.F.H.M. van Someren c.s.	C09K 3/10
OKADA, Kazushi	(31) PCT/NL2015/050905	C09K 3/12
(74) J.M.H. Duyver lic.	2017033	C09K 3/18
(31) 2014044235	(32) 23.12.2015	E01C 11/10
(32) 06.03.2014	23.06.2016	E01C 23/09
(33) Japan	(33) World Intellectual Property Office (WIPO)	E02D 31/00
(47) 12.08.2020	Netherlands	(11) EP3081615
(51) B01J 23/42	(47) 10.06.2020	(21) EP16165251.6
B01J 37/00	(51) B01J 31/16	(22) 14.04.2016
B01J 37/02	(11) EP2608884	(54) CLOSING JOINT FOR A GROOVE
B01J 37/06	(21) EP11816852.5	WITH LEAST ONE LAYER OF A
B01J 37/16	(22) 22.08.2011	BITUMINOUS FIRST AND SECOND
B01J 37/34	(54) HYDROPROCESSING CATALYST WITH	MASS
C08F 12/30	A SINGLE STEP METAL AND CHELANT	(73) DENSO-Holding GmbH & Co.
H01M 4/90	INCORPORATION	(74) ir. M.B. Plaggenborg
H01M 4/92	(73) Shell Internationale Research	(31) 102015105686
(11) EP3440727	Maatschappij B.V.	(32) 14.04.2015
(21) EP17715680.9	(72) GABRIELOV, Alexei, Grigorievich	(33) Germany
(22) 03.04.2017	GANJA, Ed	(47) 10.06.2020
(54) METHOD FOR PRODUCING PROTON-	TORRISI, Salvatore, Philip	(51) B05B 11/00
CONDUCTING PLATINUM PARTICLES	(47) 08.07.2020	(11) EP3318333
WITH A LARGE ACTIVE SURFACE	(51) B02C 4/02	(21) EP16817445.6
AREA AND SURFACE-GRAFTED WITH	B02C 4/30	(22) 22.06.2016
SPECIFIC, PROTON-CONDUCTING	(11) EP2991769	(54) TRIGGER SPRAYER
POLYMERS	(21) EP14732470.1	(73) Canyon Corporation
(73) Commissariat à l'énergie atomique et aux	(22) 30.04.2014	(72) FURUTANI, Tomichika
énergies alternatives	(54) ROLL ASSEMBLIES INCLUDING	RYAN, Neil Michael
(72) BUVAT, Pierrick	SUPERHARD INSERTS, HIGH	RANGEL, David

(74) ir. H.A. Witmans c.s.	MIZOBE, Arito	(22) 05.03.2019
(31) 2015133133	OKI, Kenichi	(54) METHOD OF PRODUCING ENDLESS METAL RING
(32) 01.07.2015	FURUKAWA, Hiroki	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(33) Japan	(74) ir. A.R. Aalbers	(72) NISHIDA, Koji
(47) 02.09.2020	(31) 2015220580	(74) J.M.H. Duyver lic.
(51) B05D 3/14	(32) 10.11.2015	(31) 2018068838
B29C 59/12	(33) Japan	(32) 30.03.2018
H01T 19/00	(47) 15.07.2020	(33) Japan
(11) EP2504149	(51) B22F 3/105	(47) 12.08.2020
(21) EP10792867.3	B22F 5/00	(51) B23K 35/02
(22) 24.11.2010	B28B 1/00	B23K 35/30
(54) METHOD FOR SURFACE TREATING A SUBSTRATE AND DEVICE FOR CARRYING OUT THE METHOD	B28B 7/00	B23K 101/40
(73) Kalwar CIV Innoserv GmbH & Co. KG	B29D 30/06	C22C 5/04
(72) Kalwar, Klaus	B33Y 10/00	C22C 9/00
(74) ir. A. Ferguson	B33Y 80/00	C22C 9/04
(31) 102009044638	B29C 67/00	C22C 9/06
202010008435 U	(11) EP3370901	H01L 23/49
(32) 24.11.2009	(21) EP16790617.1	(11) EP3282473
02.09.2010	(22) 03.11.2016	(21) EP16811374.4
(33) Germany	(54) METHOD FOR ADDITIVE MANUFACTURING OF A PART, IN PARTICULAR A LINING ELEMENT FOR A TYRE MOULD, USING POWDER	(22) 19.05.2016
Germany	(73) Compagnie Générale des Etablissements Michelin	(54) BONDING WIRE FOR SEMICONDUCTOR DEVICE
(47) 01.07.2020	(72) BLANCHET, Etienne	(73) Nippon Micrometal Corporation
(51) B07B 1/14	CALVEL, Romain	NIPPON STEEL Chemical & Material Co., Ltd.
B07B 1/50	EPARVIER, Florian	(72) YAMADA, Takashi
(11) EP3500376	(74) ir. W.J.J.M. Kempes	ODA, Daizo
(21) EP16762739.7	(31) 1560655	HAIBARA, Teruo
(22) 18.08.2016	(32) 06.11.2015	OISHI, Ryo
(54) SELF-CLEANING ROLLER SCREEN	(33) France	SAITO, Kazuyuki
(73) Outotec (Finland) Oy	(47) 24.06.2020	UNO, Tomohiro
(72) STRÖDER, Michael	(51) B22F 3/105	(74) ir. A. Blokland c.s.
VALERY, Roberto	G01B 21/04	(31) 2015120509
BECKER, Roger	B33Y 10/00	PCT/JP2015/070861
SCHIMO, Siegfried	B33Y 30/00	(32) 15.06.2015
RIMASZEKI, Gergö	B33Y 50/02	22.07.2015
KOTRC, Michal	B29C 64/153	(33) Japan
SIAUW, Vincent	B29C 64/393	World Intellectual Property Office (WIPO)
LANG, Sebastian	(11) EP3300885	(47) 24.06.2020
(74) J.M.H. Duyver lic.	(21) EP17192671.0	(51) B25J 9/16
(47) 17.06.2020	(22) 22.09.2017	G05B 19/423
(51) B21D 22/20	(54) METHOD FOR CALIBRATING A DEVICE FOR PRODUCING A THREE-DIMENSIONAL OBJECT AND DEVICE DESIGNED FOR CARRYING OUT THE METHOD	(11) EP3538328
B21D 24/06	(73) EOS GmbH Electro Optical Systems	(21) EP17800780.3
B21D 28/02	(72) PREXLER, Michael	(22) 08.11.2017
B21D 51/26	SCHADE, Martin	(54) SYSTEM AND METHOD FOR INSTRUCTING A ROBOT
(11) EP3096897	(74) drs. P.F.H.M. van Someren c.s.	(73) Cognibotics AB
(21) EP15705040.2	(31) 102016011801	(72) GHAZAEI ARDAKANI, M. Mahdi
(22) 15.01.2015	(32) 30.09.2016	NILSSON, Klas
(54) METHOD FOR PRODUCING A BEVERAGE CAN, A BOTTLE-CAN OR AN AEROSOL CAN FROM ALUMINIUM ALLOY	(33) Germany	(74) ir. H.A. Witmans c.s.
(73) Constellium Neuf-Brisach	(47) 22.07.2020	(31) 16198208
(72) STOPPIGLIA, Hervé	(51) B23K 11/04	(32) 10.11.2016
(74) dr. W.A.H.M. Van Borm	B23K 13/01	(33) European Patent Office (EPO)
(31) 1400104	C21D 6/00	(47) 10.06.2020
(32) 20.01.2014	C21D 9/40	(51) B26B 13/00
(33) France	C21D 9/50	B26B 17/00
(47) 22.07.2020	C22C 38/02	(11) EP2926957
(51) B22D 11/06	C22C 38/04	(21) EP14863066.8
B22D 11/10	C22C 38/18	(22) 21.10.2014
B22D 41/50	C22C 38/22	(54) CUTTING TOOL
(11) EP3375545	C22C 38/24	(73) Toho Koki Co., Ltd.
(21) EP16863898.9	(11) EP3546601	(72) MATSUSHITA, Nobuo
(22) 13.09.2016	(21) EP19160691.2	(74) mr. ir. J. van Breda c.s.
(54) IMMERSION NOZZLE		(31) 2014018594
(73) Krosakiharima Corporation		(32) 03.02.2014
(72) FUKUNAGA, Shinichi		(33) Japan
		(47) 05.08.2020

- (51) B27G 1/00
(11) EP2669017
(21) EP13002469.8
(22) 10.05.2013
(54) Device and method for filling a defect in a surface of a wooden article
(73) CSP Engineering, Besloten vennootschap met beperkte aansprakelijkheid
(72) Peeters, Jan
(74) ir. H.A. Witmans c.s.
(31) 201200369
(32) 31.05.2012
(33) Belgium
(47) 01.07.2020
-
- (51) B27N 1/00
B27N 3/04
C08L 97/02
C08H 8/00
(11) EP2961789
(21) EP14705360.7
(22) 20.02.2014
(54) PROCESS FOR MANUFACTURING PRODUCTS FROM ACETYLATED WOOD FIBRE
(73) Tricoya Technologies Limited
(72) BEARDMORE, Pat
PRENDERGAST, Tom
(74) ir. H.A. Witmans c.s.
(31) 201303350
(32) 26.02.2013
(33) United Kingdom
(47) 03.06.2020
-
- (51) B28B 1/16
B28B 1/52
(11) EP2349664
(21) EP09748501.5
(22) 04.11.2009
(54) A METHOD FOR PRODUCING A WOOD WOOL CONSTRUCTION ELEMENT, A CONSTRUCTION ELEMENT OBTAINED THEREWITH AND A PRODUCTION FACILITY THEREFORE
(73) Thermoform Nederland B.V.
(72) VAN ELTEN, Gerrit, Jan
VAN ELTEN, Paulus, Elbertus
VAN ELTEN, Elbertus, Johannes
(74) ir. M.B. Plaggenborg
(31) 2002167
(32) 04.11.2008
(33) Netherlands
(47) 10.06.2020
-
- (51) B29B 15/12
B29K 27/00
B29K 27/18
B29K 31/00
B29K 33/00
B29K 67/00
B29K 71/00
B29K 77/00
B29K 79/00
B29K 81/00
B29K 101/12
(11) EP3418017
(21) EP18178995.9
(22) 21.06.2018
- (54) METHOD FOR PRODUCING A FIBROUS MATERIAL IMPREGNATED WITH THERMOPLASTIC POLYMER
(73) ARKEMA FRANCE
(72) HOCHSTETTER, Gilles
CAPELOT, Mathieu
SAVART, Thibaut
BABEAU, Arthur Pierre
HUZE, Denis
TANGUY, François
GAILLARD, Patrice
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 1755705
(32) 22.06.2017
(33) France
(47) 29.07.2020
-
- (51) B29B 17/04
B29K 27/00
C10B 53/07
C10G 1/00
C10G 1/08
C10G 1/10
C10G 11/18
C10G 55/02
C10G 55/04
C10G 55/06
C10K 1/00
C10K 1/32
(11) EP3491102
(21) EP17754794.0
(22) 17.07.2017
(54) DECHLORINATION OF MIXED PLASTICS PYROLYSIS OILS USING DEVOLATILIZATION EXTRUSION AND CHLORIDE SCAVENGERS
(73) SABIC Global Technologies B.V.
(72) JAVEED, Mohammad
STANISLAUS, Alexander
HAKEEM, Abrar A.
KORIPPELLY, Girish
NARAYANASWAMY, Ravichander
RAMAMURTHY, Krishna Kumar
(74) J.M.H. Duyver lic.
(31) 201662369379 P
(32) 01.08.2016
(33) United States of America
(47) 15.07.2020
-
- (51) B29C 33/48
B29C 45/14
A63H 1/00
(11) EP3566846
(21) EP19151422.3
(22) 11.01.2019
(54) METHOD OF MANUFACTURING A MODEL CAR BODY
(73) Gateway Autoart Limited
Gateway Autoart Japan Corporation
(72) KWAN, Kelvin Yuet-Ming
(74) J.M.H. Duyver lic.
(31) 201810425902
(32) 07.05.2018
(33) China
(47) 12.08.2020
-
- (51) B29C 45/16
B29C 45/26
(11) EP2969462
(21) EP14709293.6
(22) 11.03.2014
- (54) HOLDING DEVICE FOR A STACK TURNING SYSTEM
(73) Foboha (Germany) GmbH
(72) ARMBRUSTER, Rainer
(74) ir. H.A. Witmans c.s.
(31) 6132013
20622013
(32) 15.03.2013
13.12.2013
(33) Switzerland
Switzerland
(47) 05.08.2020
-
- (51) B29C 45/72
B29C 71/02
B29D 23/20
C08K 3/34
C08K 9/04
C08L 101/12
C08K 3/00
C08K 3/10
(11) EP2159041
(21) EP09013816.5
(22) 16.01.2004
(54) Methods, compositions and blends for forming articles having improved environmental stress crack resistance
(73) VIVA HEALTHCARE PACKAGING LIMITED
(72) Jacobs, Ian Orde Michael
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 2003900292
2003901342
2003901952
(32) 16.01.2003
24.03.2003
24.04.2003
(33) Australia
Australia
Australia
(47) 15.07.2020
-
- (51) B29C 51/10
B29C 51/26
B29C 51/30
B29C 51/38
(11) EP3205475
(21) EP17164771.2
(22) 12.05.2014
(54) THERMOFORMING MACHINE
(73) Geiss AG
(72) Daum, Wolfgang
(74) mr. ir. J. van Breda c.s.
(47) 22.07.2020
-
- (51) B29C 64/106
B29C 64/393
(11) EP3507073
(21) EP17738016.9
(22) 30.06.2017
(54) METHODS AND APPARATUS FOR PROCESSING AND DISPENSING MATERIAL DURING ADDITIVE MANUFACTURING
(73) Thermwood Corporation
(72) SUSNJARA, Kenneth, J.
VOTE, Nicolas
GAESSER, Robert
VAAL, Scott, G.
(74) ir. W.J.J.M. Kempes
(31) 201615253290

(32) 31.08.2016	(51) B41J 3/407	(47) 15.07.2020
(33) United States of America	B41J 11/00	(51) B41M 3/14
(47) 05.08.2020	B41M 5/00	B42D 25/30
(51) B29C 64/165	C14B 1/28	B42D 25/305
B33Y 70/00	C14B 1/56	B42D 25/337
(11) EP3442783	(11) EP3189973	(11) EP2054240
(21) EP17714248.6	(21) EP17150202.4	(21) EP07802694.5
(22) 04.04.2017	(22) 14.03.2013	(22) 17.08.2007
(54) SPRAY-DRIED SOFT PHASE EMULSION POLYMER FOR THE FILLING OF THE SPANDREL IN POLYMER BEAD LAYERS IN BINDER JETTING METHOD	(54) LEATHER PRINTING (73) Codus Holdings Limited AGFA NV	(54) METHOD OF SUPERIMPOSING AN IMAGE ONTO ANOTHER, METHOD OF PERSONALIZING A DATA CARRIER USING THE IMAGE SUPERIMPOSING METHOD AND A PERSONALIZED DATA CARRIER
(73) Evonik Operations GmbH	(72) Yiannakou, Pantelis	(73) Gemalto Oy
(72) POPPE, Dirk	(31) 201261610531 P	(72) KAUTTO, Jorma
FRUTH, Andrea	201313798252	KASKIALA, Toni
BERNHARDT, Stefan	(32) 14.03.2012	(74) ir. W.J.J.M. Kempes
WIEBER, Stephan	13.03.2013	(31) 06017229
(74) ir. W.J.J.M. Kempes	(33) United States of America	(32) 18.08.2006
(31) 16164854	United States of America	(33) European Patent Office (EPO)
(32) 12.04.2016	(47) 26.08.2020	(47) 08.07.2020
(33) European Patent Office (EPO)	(51) B41J 11/00	(51) B42C 19/08
(47) 03.06.2020	B65G 23/44	(11) EP3459754
(51) B32B 1/08	B65G 39/071	(21) EP16902297.7
B32B 5/02	B65H 5/02	(22) 16.05.2016
B32B 5/22	B65H 7/02	(54) BOOK BINDING APPARATUS
B32B 5/26	B65H 29/16	(73) Horizon International Inc.
B32B 7/12	(11) EP3544914	(72) NAKANISHI, Hirohito
B32B 25/04	(21) EP17817252.4	FUKUDA, Shigenobu
B32B 27/06	(22) 20.11.2017	(74) ir. M.F.J.M. Ketelaars c.s.
B32B 27/08	(54) POSITIONING AND CONVEYING DEVICE	(47) 08.07.2020
B32B 27/12	(73) C.C.M. Beheer B.V.	(51) B60F 3/00
B32B 27/30	(72) PLAK, Ronald	B62D 55/06
B32B 27/32	VAN OOIK, Gert	B62D 55/12
B32B 27/34	(74) ir. J.C. Volmer c.s.	B62D 55/20
F16L 55/165	(31) 2017855	(11) EP3374250
(11) EP3174703	2017854	(21) EP16819361.3
(21) EP15750660.1	2017856	(22) 11.11.2016
(22) 29.07.2015	(32) 23.11.2016	(54) LONGITUDINAL MEMBER, AMPHIBIOUS UNDERCARRIAGE AND VEHICLE
(54) TUBULAR LINER FOR THE REHABILITATION OF FLUID- CONDUCTING PIPELINE SYSTEMS	23.11.2016	(73) Track One S.r.l.
(73) SML Verwaltungen GmbH	(33) Netherlands	(72) BARANI, Stefano
(72) REICHEL, Stefan	Netherlands	GELMUZZI, Marco
NOLL, Christian	Netherlands	(74) dr. A. Krebs
(74) ir. M.F.J.M. Ketelaars c.s.	(47) 15.07.2020	(31) UB20155463
(31) 102014110929	(51) B41J 11/00	(32) 11.11.2015
(32) 31.07.2014	B65G 23/44	(33) Italy
(33) Germany	B65G 39/071	(47) 10.06.2020
(47) 03.06.2020	B65H 5/02	(51) B60H 1/00
(51) B32B 29/04	B65H 7/02	(11) EP3065959
(11) EP2520429	B65H 29/16	(21) EP13795064.8
(21) EP12003240.4	(11) EP3544915	(22) 04.11.2013
(22) 03.05.2012	(21) EP17817253.2	(54) LOW PROFILE AIR CONDITIONING SYSTEM
(54) Multi-layered packaging film and packaging made from same	(22) 20.11.2017	(73) Bergstrom, Inc.
(73) Wipak Walsrode GmbH & Co. KG	(54) POSITIONING AND CONVEYING DEVICE	(72) MAYO MAYO, Luis Angel
Schoeller Technocell GmbH & Co. KG	(73) C.C.M. Beheer B.V.	GÁLVEZ BEAMONTE, Antonio
(72) Janssen, Susan	(72) PLAK, Ronald	GARCÍA GAITÁN, José Antonio
Riechert, Enrico	VAN OOIK, Gert	(74) drs. P.F.H.M. van Someren c.s.
Ahrens, Adolf	(74) ir. J.C. Volmer c.s.	(47) 10.06.2020
Niekamp, Dirk	(31) 2017855	(51) B60K 15/04
Raabe, Günter	2017856	(11) EP2280842
(74) ir. W.J.J.M. Kempes	(32) 23.11.2016	(21) EP09732839.7
(31) 202011100263 U	23.11.2016	(22) 09.04.2009
(32) 04.05.2011	(33) Netherlands	(54) ANTI SIPHON TANK INLET
(33) Germany	Netherlands	
(47) 24.06.2020	Netherlands	

(73) Tiss Limited	HERMELING, Frank	(73) ABB Schweiz AG
(72) WHOLEY, Ryan	(74) ir. W.J.J.M. Kempes	(72) Kokkila, Kimmo
(74) ir. H.A. Witmans c.s.	(31) 202016100825 U	Säkkinen, Petri
(31) 0806811	202016107009 U	Hakala, Jani
0815192	(32) 17.02.2016	(74) ir. W.J.J.M. Kempes
(32) 15.04.2008	15.12.2016	(47) 08.07.2020
20.08.2008	(33) Germany	(51) B63H 11/08
(33) United Kingdom	Germany	B63H 23/24
United Kingdom	(47) 17.06.2020	(11) EP3604117
(47) 10.06.2020	(51) B63B 5/08	(21) EP18187392.8
(51) B60Q 1/38	C08K 5/00	(22) 03.08.2018
B60Q 1/44	C08K 7/24	(54) PROPULSION DEVICE WITH
B60Q 1/46	C08K 7/28	OUTBOARD WATERJET FOR MARINE
B60Q 1/52	E04F 15/02	VEHICLES
(11) EP3177484	(11) EP3071473	(73) SEALENCE S.R.L.
(21) EP16801945.3	(21) EP14800020.1	(72) Benini, Ernesto
(22) 27.01.2016	(22) 17.11.2014	Gobbo, William
(54) ENHANCED COMMUNICATION	(54) EXTRUDED PRODUCT COMPRISING	(74) ir. W.J.J.M. Kempes
SYSTEM FOR VEHICLE HAZARD	EXTRUDED SURFACE COVERING	(47) 15.07.2020
LIGHTS	MATERIAL FOR COVERING A BOAT	(51) B64C 27/58
(73) Ess-Help, Inc.	OR YACHT DECK OR ANOTHER	G05G 5/22
(72) TUCKER, Daniel, Anthony	OUTDOOR AREA	(11) EP3297912
COBB, John, Zachariah	(73) Flexiteek International A/S	(21) EP16797344.5
TORKELSON, Jonathan	(72) DE CAUX TILNEY, Robert	(22) 19.05.2016
KIMBERLIN, Denver	(74) ir. W.J.J.M. Kempes	(54) ADVANCED EMERGENCY
MAURYA, Devender, Nath	(31) 1351364	COLLECTIVE ACTUATOR WITH
(74) J.M.H. Duyver lic.	(32) 18.11.2013	FRICTION PULL-OFF AND METHOD
(31) 201514875883	(33) Sweden	FOR A HELICOPTER
201514933881	(47) 15.07.2020	(73) Merlin Technology Inc.
(32) 06.10.2015	(51) B63B 21/00	(72) MARVIN, Mark
05.11.2015	B63B 21/20	MERCER, John, E.
(33) United States of America	B63B 21/24	VETTER, Derek
United States of America	B63B 21/26	(74) ir. A. Blokland c.s.
(47) 12.08.2020	B63B 21/46	(31) 201562165085 P
(51) B60R 9/00	B63B 22/02	201615158521
B60R 9/08	(11) EP3294619	(32) 21.05.2015
B60R 9/10	(21) EP16793073.4	18.05.2016
B60R 11/00	(22) 09.05.2016	(33) United States of America
F16B 47/00	(54) MARINE ANCHOR	United States of America
F16M 13/02	(73) Michael Arthur Baker, Donna Ann Baker	(47) 08.07.2020
(11) EP3350021	And New Zealand Trustees Services	(51) B64D 45/02
(21) EP16847321.3	Limited	F16C 7/02
(22) 15.09.2016	(72) BAKER, Michael	F16C 11/06
(54) VACUUM MOUNTED CARRIER FOR A	(74) ir. W.J.J.M. Kempes	F16C 41/00
VEHICLE	(31) 70796415	(11) EP2955395
(73) Seasucker, LLC	(32) 08.05.2015	(21) EP15170689.2
(72) CASAGRANDE, Charles L.	(33) New Zealand	(22) 04.06.2015
(74) J.M.H. Duyver lic.	(47) 24.06.2020	(54) ELECTRICALLY CONDUCTIVE
(31) 201562218940 P	(51) B63B 59/08	BEARING SYSTEM AND
(32) 15.09.2015	B63G 8/00	MANUFACTURING METHOD
(33) United States of America	B63G 8/26	(73) KAMATICS CORPORATION
(47) 17.06.2020	(11) EP3415412	(72) Zink, Andrew
(51) B60S 9/02	(21) EP18177732.7	Zak, Arkadi
B60S 9/12	(22) 24.11.2011	(74) dr. W.A.H.M. Van Borm
B60S 9/22	(54) A SURFACE CLEANING DEVICE	(31) 201414303035
B62D 21/02	(73) HullWiper Limited	(32) 12.06.2014
(11) EP3208161	(72) Andersen, Robert	(33) United States of America
(21) EP17156400.8	(74) dr. A. Krebs	(47) 12.08.2020
(22) 16.02.2017	(31) 20101673	(51) B65B 25/16
(54) CHASSIS	(32) 29.11.2010	B65B 25/18
(73) Alois Kober GmbH	(33) Norway	(11) EP3464076
(72) LUKAS, Maximilian	(47) 17.06.2020	(21) EP17734504.8
KNAIER, Magnus	(51) B63H 5/125	(22) 01.06.2017
MAYER, Werner	B63H 21/30	(54) DEVICE, ASSEMBLY AND METHOD
SCHLERETH, Christoph	(11) EP3072807	FOR PACKAGING A SINGLE SLICED
SETZER, Mirco	(21) EP15160813.0	LOAF OF BREAD
MATERNE, Manfred	(22) 25.03.2015	(73) Kortlever Beheer B.V.
WILLMANN, Uwe	(54) PROPULSION UNIT	(72) HOLLAND, Hendrik Dirk

KORTLEVER, Jonathan Arie Willem	(72) AMIGONI, Michele	WESTPHAL, Jan
(74) ir. A. Blokland c.s.	LODI RIZZINI, Ivano	STÜNDL, Mathias
(31) 2016875	DEFRANCO, Laurette	(74) drs. P.A. van Essen c.s.
(32) 01.06.2016	BORDINI SANTUCCI, Andrea	(31) 102015013890
(33) Netherlands	(74) dr. A. Ellens c.s.	(32) 28.10.2015
(47) 05.08.2020	(31) 201700130688	(33) Germany
(51) B65B 35/24	(32) 15.11.2017	(47) 27.05.2020
B65G 21/14	(33) Italy	(51) B67D 7/04
(11) EP3347278	(47) 17.06.2020	B67D 7/42
(21) EP16760695.3	(51) B65D 77/04	B67D 7/52
(22) 31.08.2016	(11) EP3393932	(11) EP3331814
(54) FEEDER WITH A ROTATABLE	(21) EP16808926.6	(21) EP16833925.7
PORTIONING BELT	(22) 17.11.2016	(22) 05.08.2016
(73) GEA Food Solutions Germany GmbH	(54) TRANSPORT AND STORAGE	(54) ELECTROMECHANICALLY OPERATED
(72) KUTTER, Tobias	CONTAINER FOR LIQUIDS	FUEL NOZZLE
(74) ir. W.J.J.M. Kempes	(73) Protechna S.A.	(73) Shell Internationale Research
(31) 102015217124	(72) SCHÜTZ, Udo	Maatschappij B.V.
(32) 08.09.2015	(74) ir. M.F.J.M. Ketelaars c.s.	(72) MOYNE, William
(33) Germany	(31) 102015016814	PADILLA, Hector
(47) 24.06.2020	(32) 23.12.2015	MATTHEWS, John, Robert
(51) B65B 57/00	(33) Germany	(31) 201562201292 P
F16P 1/00	(47) 01.07.2020	(32) 05.08.2015
F16P 1/02	(51) B65D 81/24	(33) United States of America
F16P 3/08	(11) EP3188982	(47) 01.07.2020
(11) EP3483494	(21) EP15838220.0	(51) B81B 7/00
(21) EP18204824.9	(22) 04.09.2015	B81C 1/00
(22) 07.11.2018	(54) FOOD STORAGE SYSTEM	H01L 21/56
(54) PACKAGING MACHINE WITH TOKEN	COMPRIING A CONTAINER AND AN	H01L 21/60
FIXING CAPSULE ARRANGED TO	ADSORBENT MATERIAL AND METHOD	H01L 23/31
PROTECTIVE COVER AND METHOD	FOR EXTENDING THE SHELF LIFE OF	(11) EP3497719
(73) MULTIVAC Sepp Haggenmüller SE & Co.	A PRODUCT	(21) EP17757646.9
KG	(73) BASF Corporation	(22) 14.08.2017
(72) SCHAUB, Hubert	(72) EDGINGTON, Todd	(54) WAFER-LEVEL PACKAGE WITH
WÖLFLE, Manuel	NATU, Abhijit	ENHANCED PERFORMANCE
REICHART, Nadine	ARNOLD, Lena	(73) QORVO US, INC.
WANNER, Alexander	LECLERC, Nicholas R.	(72) HATCHER, JR., Merrill, Albert
(74) ir. M.F.J.M. Ketelaars c.s.	MAURER, Stefan	HAMMOND, Jonathan, Hale
(31) 102017126615	MARX, Stefan	CHADWICK, Jon
(32) 13.11.2017	MÜLLER, Ulrich	COSTA, Julio, C.
(33) Germany	(74) ir. W.J.J.M. Kempes	VANDEMEER, Jan, Edward
(47) 01.07.2020	(31) 201462046667 P	(74) ir. J.C. Volmer c.s.
(51) B65D 30/20	(32) 05.09.2014	(31) 201662374304 P
B65D 33/16	(33) United States of America	(32) 12.08.2016
B65D 33/24	(47) 17.06.2020	(33) United States of America
B65D 77/14	(51) B65G 25/04	(47) 10.06.2020
(11) EP3486189	B65G 27/12	(51) B82Y 40/00
(21) EP18204896.7	(11) EP2556003	B29C 33/42
(22) 07.11.2018	(21) EP11766559.6	B82B 1/00
(54) RECLOSABLE BAG	(22) 04.04.2011	B82B 3/00
(73) BARILLA G. e R. Fratelli S.p.A.	(54) DIFFERENTIAL IMPULSE CONVEYOR	G03F 7/00
(72) AMIGONI, Michele	WITH IMPROVED DRIVE	(11) EP2635419
LODI RIZZINI, Ivano	(73) Svejkovsky, Paul	(21) EP11838943.6
DEFRANCO, Laurette	(72) SVEJKOVSKY, Blake	(22) 07.11.2011
BORDINI SANTUCCI, Andrea	(74) dr. A. Krebs	(54) PATTERNING OF NON-CONVEX
(74) dr. A. Ellens c.s.	(31) 754687	SHAPED NANOSTRUCTURES
(31) 201700130665	(32) 06.04.2010	(73) Molecular Imprints, Inc.
(32) 15.11.2017	(33) United States of America	Board of Regents, The University of
(33) Italy	(47) 10.06.2020	Texas System
(47) 17.06.2020	(51) B65H 54/71	(72) SREENIVASAN, Sidgata V.
(51) B65D 30/20	B65H 54/88	SINGH, Vikramjit
B65D 33/16	(11) EP3368457	XU, Frank Y.
B65D 33/24	(21) EP16787392.6	CHOI, Byung-Jin
B65D 77/14	(22) 21.10.2016	(74) ir. W.J.J.M. Kempes
(11) EP3486190	(54) APPARATUS FOR FEEDING A	(31) 410592 P
(21) EP18204910.6	PLURALITY OF THREADS	(32) 05.11.2010
(22) 07.11.2018	(73) Oerlikon Textile GmbH & Co. KG	(33) United States of America
(54) RECLOSABLE BAG	(72) MATTHIES, Claus	(47) 17.06.2020
(73) BARILLA G. e R. Fratelli S.p.A.	LEGGÉ, Ludgar	(51) C03C 17/00

C03C 17/245	(32) 06.06.2014	AND METHOD FOR THE
C03C 17/34	(33) Netherlands	MANUFACTURE THEREOF
C23C 16/02	(47) 05.08.2020	(73) Yara International ASA
C23C 16/40	(51) C04B 7/32	(72) COLPAERT, Filip
C23C 16/455	C04B 28/02	LEDoux, Francois
C23C 16/54	C04B 111/28	VAN BELZEN, Ruud
(11) EP2758350	C04B 111/52	(74) ir. W.J.J.M. Kempes
(21) EP12772370.8	(11) EP3348535	(31) 20151154
(22) 13.09.2012	(21) EP18150609.8	(32) 08.09.2015
(54) PROCESS FOR FORMING A SILICA	(22) 08.01.2018	(33) Norway
COATING ON A GLASS SUBSTRATE	(54) DRY MORTAR	(47) 19.08.2020
(73) Pilkington Group Limited	(73) Sievert Baustoffe GmbH & Co. KG	(51) C07C 45/61
(72) NELSON, Douglas Martin	(72) Kanig, Dr., Martin	C07C 45/63
(74) dr. W.A.H.M. Van Borm	Bühning, Volker	C07C 49/784
(31) 201161536382 P	Clasen, Dipl.-Ing., Jost	C07D 213/79
(32) 19.09.2011	(74) ir. J.C. Volmer c.s.	C07D 215/18
(33) United States of America	(31) 102017100446	(11) EP3484851
(47) 17.06.2020	(32) 11.01.2017	(21) EP17743173.1
(51) C03C 17/00	(33) Germany	(22) 13.07.2017
C03C 17/36	(47) 01.07.2020	(54) METHOD FOR AROMATIC
G02B 1/115	(51) C04B 28/02	FLUORINATION
(11) EP2699523	C04B 28/06	(73) Dow Global Technologies LLC
(21) EP12719440.5	C04B 28/10	The Regents of The University of
(22) 16.04.2012	E02D 17/12	Michigan
(54) HEAT TREATABLE COATED GLASS	(11) EP2954119	(72) SANFORD, Melanie, S.
PANE	(21) EP14702881.5	CISMESIA, Megan, A.
(73) Pilkington Group Limited	(22) 06.02.2014	HANLY, Patrick, S.
(72) MCSPORRAN, Neil	(54) BINDER FOR SELF-COMPACTING AND	BLAND, Douglas
HUGHES, Monica Joscelyn	RE-EXCAVATABLE BACKFILL	(74) ir. H.A. Witmans c.s.
CLARKE, Gregory	(73) Etablissements Hublet	(31) 201662362725 P
(74) dr. W.A.H.M. Van Borm	(72) NONET, Aurélien	(32) 15.07.2016
(31) 201106788	(74) J.M.H. Duyver lic.	(33) United States of America
(32) 21.04.2011	(31) 201300082	(47) 02.09.2020
(33) United Kingdom	(32) 06.02.2013	(51) C07C 263/10
(47) 10.06.2020	(33) Belgium	C08G 18/76
(51) C03C 17/34	(47) 08.07.2020	(11) EP3362496
C03C 17/36	(51) C04B 35/10	(21) EP16775207.0
(11) EP2984051	C04B 35/101	(22) 28.09.2016
(21) EP14716381.0	C04B 35/634	(54) METHOD FOR CONTROLLING
(22) 02.04.2014	C04B 35/638	THE PROCESS FOR MAKING
(54) HEAT TREATABLE COATED GLASS	C04B 35/66	ISOCYANATES
PANE	C04B 38/00	(73) Huntsman International LLC
(73) Pilkington Group Limited	(11) EP3483133	(72) MULLER, Peter
(72) RIDEALGH, John Andrew	(21) EP17200525.8	CARR, Robert, Henry
BUCKETT, John	(22) 08.11.2017	(74) ir. F.A. Geurts c.s.
OLDFIELD, John William	(54) RAW MATERIAL FOR THE	(31) 15190116
SHERIDAN, Rebecca	MANUFACTURE OF A REFRACTORY	(32) 16.10.2015
(74) dr. W.A.H.M. Van Borm	PRODUCT, A USE OF THIS RAW	(33) European Patent Office (EPO)
(31) 201306611	MATERIAL AND A REFRACTORY	(47) 24.06.2020
(32) 11.04.2013	PRODUCT, INCORPORATING SUCH A	(51) C07D 209/34
(33) United Kingdom	RAW MATERIAL	(11) EP2229360
(47) 10.06.2020	(73) Refractory Intellectual Property GmbH &	(21) EP08857503.0
(51) C04B 7/153	Co. KG	(22) 02.12.2008
C04B 7/24	(72) Mühlhäusser, Jürgen	(54) INDOLINONE DERIVATIVES
C04B 12/00	Rana, Raghunath Prasad	AND PROCESS FOR THEIR
C04B 28/00	Reif, Gerald	MANUFACTURE
(11) EP3152176	Blajs, Milos	(73) Boehringer Ingelheim International
(21) EP15732980.6	(74) mr. ir. J. van Breda c.s.	GmbH
(22) 05.06.2015	(47) 15.07.2020	(72) MERTEN, Joern
(54) METHOD FOR THE PRODUCTION OF	(51) C05C 3/00	RENNER, Svenja
A CEMENT COMPOUND	C05C 9/00	REICHEL, Carsten
(73) Ascem B.v.	C05G 3/90	(74) ir. F.A. Geurts c.s.
(72) BUCHWALD, Anja	C05G 5/30	(31) 07122123
WIERCX, Johannes Albertus Louis Marie	(11) EP3347330	(32) 03.12.2007
VAN MELICK, Bart Johannes Wilhelmus	(21) EP16770215.8	(33) European Patent Office (EPO)
Maria	(22) 07.09.2016	(47) 01.07.2020
(74) ir. A. Blokland c.s.	(54) IMPROVED UREA AMMONIUM	(51) C07D 293/00
(31) 2012959	SULPHATE-BASED COMPOSITION	C07H 21/02

- C09B 23/00
C09B 23/04
C12P 19/34
C12Q 1/68
C12Q 1/6813
C12Q 1/6851
(11) EP2826867
(21) EP14182030.8
(22) 20.04.2005
(54) Nucleic acid melting analysis with saturation dyes
(73) University of Utah Research Foundation
BioFire Defense, LLC
(72) Wittwer, Carl T.
Zhou, Luming
Dujols, Virginie E.
Holden, Joseph A.
Willmore-Payne, Carlynn
(74) drs. P.F.H.M. van Someren c.s.
(31) 827890
(32) 20.04.2004
(33) United States of America
(47) 03.06.2020
C07D 301/12
(11) EP3405460
(21) EP17700124.5
(22) 06.01.2017
(54) PROCESS FOR THE EPOXIDATION OF AN OLEFIN
(73) Evonik Operations GmbH
thyssenkrupp Industrial Solutions AG
(72) SCHMIDT, Franz
DAUTH, Nico
PASCALY, Matthias
(74) ir. W.J.J.M. Kempes
(31) 16151786
(32) 19.01.2016
(33) European Patent Office (EPO)
(47) 24.06.2020
C07F 9/12
C07F 9/32
C08G 18/38
C08G 18/50
(11) EP2986620
(21) EP14717775.2
(22) 15.04.2014
(54) PHOSPHOROUS CONTAINING FLAME RETARDANTS
(73) BASF SE
(72) BALBO BLOCK, Marco
FERBITZ, Jens
FLECKENSTEIN, Christoph
HUPKA, Birgit
(74) ir. W.J.J.M. Kempes
(31) 13163957
(32) 16.04.2013
(33) European Patent Office (EPO)
(47) 24.06.2020
C07K 1/36
C07K 16/00
C07K 17/00
(11) EP2462157
(21) EP10807153.1
(22) 05.08.2010
(54) METHODS FOR PURIFYING A TARGET PROTEIN FROM ONE OR MORE IMPURITIES IN A SAMPLE
(73) EMD Millipore Corporation
(72) SOICE, Neil
HUBBARD, John Dana
ZHANG, Yu
HAMZIK, James
(74) dr. W.A.H.M. Van Borm
(31) 273709 P
(32) 07.08.2009
(33) United States of America
(47) 17.06.2020
C07K 7/08
(11) EP3271374
(21) EP16716456.5
(22) 25.02.2016
(54) PEPTIDES WHICH BIND TO A SPECIFIC A-BETA-SPECIES FOR THE THERAPY AND/OR DIAGNOSIS OF ALZHEIMER'S DISEASE
(73) Forschungszentrum Jülich GmbH
(72) WILLBOLD, Dieter
KUTZSCHE, Janine
KLEIN, Antonia, Nicole
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 102015003676
(32) 20.03.2015
(33) Germany
(47) 03.06.2020
C07K 14/415
(11) EP3347370
(21) EP16763029.2
(22) 08.09.2016
(54) MODIFIED CULLIN1 GENE
(73) Rijk Zwaan Zaadteelt en Zaadhandel B.V.
(72) VAN DER LINDE, Lilian
MOVAHEDI, Sara
(74) drs. P.F.H.M. van Someren c.s.
(31) 2015409
(32) 08.09.2015
(33) Netherlands
(47) 03.06.2020
C07K 14/435
(11) EP3313870
(21) EP16747635.7
(22) 24.06.2016
(54) AML ANTIGENS AND USES THEREOF
(73) Aimm Therapeutics B.V.
(72) SPITS, Hergen
GILLISSEN, Marijn Aletta
KEDDE, Martijn
HAZENBERG, Mette Deborah
VAN HELDEN, Paula Maria Wilhelmina
POS, Wouter
(74) ir. H.A. Witmans c.s.
(31) 15173662
(32) 24.06.2015
(33) European Patent Office (EPO)
(47) 03.06.2020
C08F 2/16
C08F 2/22
C08F 253/00
C08F 279/02
C09J 151/04
(11) EP3227344
(21) EP15804748.0
(22) 02.12.2015
(54) PRESSURE SENSITIVE COMPOSITIONS BASED ON A MODIFIED RUBBER POLYMER AQUEOUS DISPERSION
(73) Arkema France
(72) LUGLI, Mario
AMADEI, Umberto
FERRETTI, Simona
RESTA, Luca
SAIJA, Leo Mario
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 14196362
(32) 04.12.2014
(33) European Patent Office (EPO)
(47) 22.07.2020
C08G 18/48
C08G 18/76
(11) EP3317315
(21) EP16733556.1
(22) 30.06.2016
(54) IMPROVEMENTS RELATING TO POLYURETHANES
(73) Shell Internationale Research Maatschappij B.V.
(72) NACHIAPPAN, Eswaramurthi
ELEVELD, Michiel, Barend
(31) 3396CH2015
(32) 02.07.2015
(33) India
(47) 17.06.2020
C08G 59/12
C08G 63/91
C09D 5/03
C09D 163/00
(11) EP3484938
(21) EP17742388.6
(22) 10.07.2017
(54) PROCESS FOR THE MANUFACTURE OF AN EPOXY-FUNCTIONAL POLYESTER, EPOXY-FUNCTIONAL POLYESTER OBTAINED BY SUCH PROCESS AND COATING COMPOSITION COMPRISING SUCH EPOXY-FUNCTIONAL POLYESTER
(73) Akzo Nobel Coatings International B.V.
(72) UNTHANK, Matthew George
JACKSON, Ian Marchant
THOMPSON, Barry Gordon
(74) ir. W.J.J.M. Kempes
(31) 16179149
(32) 13.07.2016
(33) European Patent Office (EPO)
(47) 24.06.2020
C08G 63/18
C08G 63/672
(11) EP3494158
(21) EP17754765.0
(22) 03.08.2017
(54) SEMI-CRYSTALLINE THERMOPLASTIC POLYESTER FOR PRODUCING BIORIENTED FILMS
(73) Roquette Frères
(72) AMEDRO, Héléne
SAINT-LOUP, René
(74) J.M.H. Duyver lic.
(31) 1657545
(32) 03.08.2016
(33) France

(47) 10.06.2020	(73) SK Chemicals Co., Ltd.	COMBINATION OF PHOSPHORUS
(51) C08G 75/00	(72) AHN, Byung-Woo	COMPOUNDS
C08L 81/00	SHIN, Jong-Wook	(73) Dorf Ketal Chemicals (I) Private Limited
C08L 81/02	OH, Hyeoung-Geun	(72) SUBRAMANIAM, Mahesh
C08G 75/02	KIM, Hae Ri	(74) E. Van Malderen
(11) EP3242905	(74) ir. M.F.J.M. Ketelaars c.s.	(31) MU06762007
(21) EP16704074.0	(31) 20150019748	(32) 04.04.2007
(22) 08.01.2016	(32) 09.02.2015	(33) India
(54) LOW DENSITY FUEL RESISTANT	(33) Korea (Republic)	(47) 24.06.2020
SULFUR-CONTAINING POLYMER	(47) 17.06.2020	(51) C09K 19/30
COMPOSITIONS AND USES THEREOF	(51) C08L 83/04	C09K 19/34
(73) PRC-Desoto International, Inc.	C09D 183/04	C09K 19/54
(72) RAO, Chandra B.	(11) EP3545041	C09K 19/60
ITO, Marfi	(21) EP17823251.8	(11) EP3458549
LIN, Renhe	(22) 21.11.2017	(21) EP17722826.9
(74) dr. T. Wittop Koning PhD	(54) UV CURABLE ADHESIVE AND	(22) 16.05.2017
(31) 201514593069	COATING COMPOSITIONS ACTIVATED	(54) LIQUID-CRYSTAL MATERIAL
(32) 09.01.2015	BY SURFACE HYDROXYL GROUPS	(73) Merck Patent GmbH
(33) United States of America	OR MOISTURE	(72) JUNGE, Michael
(47) 12.08.2020	(73) Gelest Technologies, Inc.	PATWAL, Ursula
(51) C08J 9/00	(72) ARKLES, Barry, C.	PTAK-AGGUEL, Ewa Dominica
C08J 9/12	GOFF, Jonathan, D.	(74) ir. H.A. Witmans c.s.
C08J 9/14	(74) ir. H.A. Witmans c.s.	(31) 16170725
C08J 9/18	(31) 201662425771 P	(32) 20.05.2016
C08J 9/28	(32) 23.11.2016	(33) European Patent Office (EPO)
C08J 9/34	(33) United States of America	(47) 22.07.2020
(11) EP3068825	(47) 26.08.2020	(51) C09K 21/12
(21) EP14798906.5	(51) C09D 191/06	C09K 21/14
(22) 17.11.2014	(11) EP3362527	D06M 11/71
(54) PRODUCTION OF POROUS	(21) EP16787964.2	D06M 11/72
MATERIALS BY THE EXPANSION OF	(22) 07.10.2016	D06M 13/298
POLYMER GELS	(54) WATER REPELLENT WAX	D06M 13/313
(73) SUMTEQ GmbH	FORMULATION	D06M 13/44
(72) STREY, Reinhard	(73) Illinois Tool Works Inc.	D06M 15/263
OBERHOFFER, Roland	(72) PHANG, Tze, Lee	D06M 15/667
MÜLLER, Alexander	BAJRAMI, Ergest	(11) EP3307849
(74) dr. W.A.H.M. Van Borm	(74) ir. W.J.J.M. Kempes	(21) EP16734764.0
(31) 102013223391	(31) 201514882150	(22) 09.06.2016
(32) 15.11.2013	(32) 13.10.2015	(54) ANTIMONY FREE BROMINATED
(33) Germany	(33) United States of America	FLAME RETARDANT SYSTEM FOR
(47) 10.06.2020	(47) 17.06.2020	TEXTILES
(51) C08J 11/08	(51) C09K 8/508	(73) Bromine Compounds Ltd.
(11) EP3339361	C09K 8/512	(72) RAPAPORT, Ella
(21) EP17207712.5	C09K 8/588	SHALEV, Itzhak
(22) 15.12.2017	(11) EP3504290	(74) mr. ir. J. van Breda c.s.
(54) METHOD FOR PURIFYING	(21) EP17771870.7	(31) 201562172814 P
RECLAIMED POLYMERS	(22) 22.08.2017	(32) 09.06.2015
(73) The Procter & Gamble Company	(54) METHOD FOR INHIBITING WATER	(33) United States of America
(72) LAYMAN, John Moncrief	PERMEATION IN AN EXTRACTION	(47) 05.08.2020
COLLIAS, Dimitris Ioannis	WELL OF A HYDROCARBON	(51) C10B 29/02
GUNNERSON, Maggie	OIL FROM AN UNDERGROUND	F23M 5/02
SCHÖNEMAN, Hans	RESERVOIR	F23M 5/06
WILLIAMS, Kara	(73) ENI S.p.A.	F27D 1/02
(31) 201662436480 P	(72) DEL GAUDIO, Lucilla	F27D 1/14
201715839912	MOSCATELLI, Davide	F27D 1/16
(32) 20.12.2016	ALBONICO, Paola	(11) EP3254044
13.12.2017	(74) J.M.H. Duyver lic.	(21) EP16704345.4
(33) United States of America	(31) 201600086697	(22) 02.02.2016
United States of America	(32) 23.08.2016	(54) SEGMENTED REFRACTORY RIDER
(47) 15.07.2020	(33) Italy	ARCH
(51) C08L 63/00	(47) 17.06.2020	(73) Fosbel, Inc.
C08L 81/02	(51) C09K 8/54	(72) CAROLLA, Lou
(11) EP3257899	C10G 75/02	SMITH, Michael, P.
(21) EP16749373.3	(11) EP2142617	BOWSER, Alan E.
(22) 28.01.2016	(21) EP08738404.6	(74) ir. H.A. Witmans c.s.
(54) POLYARYLENE SULFIDE	(22) 03.04.2008	(31) 201562111390 P
COMPOSITION HAVING EXCELLENT	(54) NAPHTHENIC ACID CORROSION	201503119
ADHESIVENESS WITH METAL	INHIBITION USING NEW SYNERGETIC	(32) 03.02.2015

25.02.2015	D06M 13/00	(47) 10.06.2020
(33) United States of America	D06M 15/11	(51) C12N 7/02
United Kingdom	D06M 15/53	C12N 15/864
(47) 17.06.2020	D06M 23/08	C12N 15/866
(51) C10G 65/00	D06M 23/12	(11) EP2545165
(11) EP2451903	(11) EP3204479	(21) EP11730092.1
(21) EP10739852.1	(21) EP15808061.4	(22) 11.03.2011
(22) 07.07.2010	(22) 01.12.2015	(54) MUTATED REP ENCODING
(54) METHOD FOR DESULFURIZING	(54) FABRIC TREATMENT COMPOSITION	SEQUENCES FOR USE IN AAV
MATERIALS CONTAINING OLEFINS	(73) The Procter & Gamble Company	PRODUCTION
BY REGULATING THE AMOUNT OF	(72) FRENZEL, Lisa, Grace	(73) uniQure IP B.V.
OLEFINS	DYKSTRA, Robert, Richard	(72) NOORDMAN, Yvet
(73) thyssenkrupp Industrial Solutions AG	ZERHUSEN, Jaden, Scott	LUBELSKI, Jacek
(72) VON TROTHA, Thilo	(31) 201414573418	BAKKER, Andrew Christian
URNER, Frank	(32) 17.12.2014	(74) ir. M.F.J.M. Ketelaars c.s.
(74) ir. H.A. Witmans c.s.	(33) United States of America	(31) 312845 P
(31) 102009032802	(47) 15.07.2020	(32) 11.03.2010
(32) 10.07.2009	(51) C12C 11/00	(33) United States of America
(33) Germany	G01N 33/569	(47) 29.07.2020
(47) 02.09.2020	(11) EP3194557	(51) C12N 9/02
(51) C10L 1/22	(21) EP15843033.0	C12Q 1/26
C10L 1/223	(22) 16.09.2015	(11) EP3134518
C10L 1/2387	(54) ENERGY DRINKS AND OTHER	(21) EP15726231.2
C10L 10/00	NUTRITIONAL AIDS DERIVED FROM	(22) 22.04.2015
C10L 10/06	AGAVE-BASED SPIRITS	(54) NADPH OXIDASE PROTEINS
C10L 10/10	(73) Roar Holding, LLC	(73) Université Grenoble Alpes
(11) EP3420054	(72) BROCIA, Robert W.	Centre National de la Recherche
(21) EP17761215.7	(74) ir. H.A. Witmans c.s.	Scientifique
(22) 24.08.2017	(31) 201462071179 P	(72) DUPUY, Jérôme
(54) FUEL ADDITIVE FOR CLEANING AN	201562231592 P	HAJJAR, Christine
INTERNAL COMBUSTION ENGINE	(32) 16.09.2014	CHERRIER, Mickaël
(73) TUNAP GmbH & Co. KG	10.07.2015	FIESCHI, Franck
(72) CONRAD, Iris	(33) United States of America	(74) dr. W.A.H.M. Van Borm
HOCHSTEIN, Christoph	United States of America	(31) 1453616
URBAN, Alfons	(47) 01.07.2020	(32) 22.04.2014
(74) mr. ir. J. van Breda c.s.	(51) C12N 1/20	(33) France
(31) 102016116348	C12N 9/12	(47) 10.06.2020
(32) 01.09.2016	(11) EP3368655	(51) C12N 9/10
(33) Germany	(21) EP16797679.4	C12P 13/12
(47) 01.07.2020	(22) 27.10.2016	(11) EP3331998
(51) C10L 5/44	(54) ENHANCED PROTEIN EXPRESSION	(21) EP15798180.4
C10M 173/02	AND METHODS THEREOF	(22) 07.08.2015
A23K 10/30	(73) Danisco US Inc.	(54) PROTEIN THIOCARBOXYLATE-
A23K 20/10	(72) BONGIORNI, Cristina	DEPENDENT L-METHIONINE
A23K 20/111	CERVIN, Marguerite A.	PRODUCTION BY FERMENTATION
A23K 20/163	ENGLAND, George	(73) Evonik Operations GmbH
A23K 40/00	ZHU, Chao	(72) SOUCAILLE, Philippe
A23K 40/10	KOOPMAN, Frank Wouter	VASSEUR, Perrine
A23K 40/20	(74) ir. H.A. Witmans c.s.	(74) ir. W.J.J.M. Kempes
A23K 40/30	(31) 201562248757 P	(47) 24.06.2020
A23K 50/80	(32) 30.10.2015	(51) C12N 9/20
(11) EP3464529	(33) United States of America	(11) EP3384019
(21) EP17807342.5	(47) 10.06.2020	(21) EP16809675.8
(22) 30.05.2017	(51) C12N 5/10	(22) 30.11.2016
(54) LUBRICANT AND BINDING AGENT	A61K 35/17	(54) METHODS FOR PRODUCING LIPASES
FOR FEEDSTUFF PRODUCTION AND	A61K 35/545	(73) Novozymes A/S
SYSTEM AND METHOD FOR USE OF	(11) EP2961831	(72) BAUNSGAARD, Lone
SAME	(21) EP14756894.3	SVENDSEN, Allan
(73) Vinokur, Aron	(22) 26.02.2014	BORCH, Kim
(72) Vinokur, Aron	(54) COMPOSITIONS AND METHODS FOR	SAIKIA, Rakhi
(74) ir. M.F.J.M. Ketelaars c.s.	IMMUNOTHERAPY	SKJOLD-JOERGENSEN, Jakob
(31) 201662342946 P	(73) Memorial Sloan Kettering Cancer Center	(74) ir. M.F.J.M. Ketelaars c.s.
(32) 29.05.2016	(72) BRENTJENS, Renier, J.	(31) 6448CH2015
(33) United States of America	JACKSON, Hollie, J.	16153166
(47) 08.07.2020	(74) ir. M.F.J.M. Ketelaars c.s.	(32) 01.12.2015
(51) C11D 3/22	(31) 201361769543 P	28.01.2016
C11D 3/37	(32) 26.02.2013	(33) India
C11D 3/50	(33) United States of America	European Patent Office (EPO)

(47) 24.06.2020	(51) C12N 9/42	(51) C22B 7/00
(51) C12N 9/42	(11) EP3478852	C22B 15/00
C12N 9/98	(21) EP17735689.6	(11) EP3221480
C12N 11/14	(22) 15.06.2017	(21) EP15794526.2
(11) EP3196302	(54) STORAGE THROUGH ITERATIVE DNA EDITING	(22) 10.11.2015
(21) EP17159826.1	(73) Microsoft Technology Licensing, LLC	(54) PLASMA AND OXYGEN FIRED FURNACE
(22) 11.02.2009	(72) GANJAM, Kris K.	(73) Umicore
(54) SMALL ENZYME-CONTAINING GRANULES	(74) J.M.H. Duyver lic.	(72) HEULENS, Jeroen
(73) Danisco US Inc.	(31) 201662357828 P	DE COOMAN, Bart
(72) BECKER, Nathaniel T.	201662399190 P	QUIX, Maarten
CHRISTENSEN, Robert I.	(32) 01.07.2016	(31) 14193771
GEBERT, Mark S.	23.09.2016	(32) 19.11.2014
VAHA-VAHE, Antti Pekka	(33) United States of America	(33) European Patent Office (EPO)
(74) ir. H.A. Witmans c.s.	United States of America	(47) 10.06.2020
(31) 28748 P	(47) 12.08.2020	(51) C23C 2/06
115146 P	(51) C12Q 1/68	C23C 2/26
(32) 14.02.2008	C12Q 1/6869	C23C 22/06
17.11.2008	(11) EP3589748	(11) EP2841615
(33) United States of America	(21) EP18718418.9	(21) EP13727384.3
United States of America	(22) 13.04.2018	(22) 25.04.2013
(47) 17.06.2020	(54) NUCLEIC ACID MODIFICATION AND IDENTIFICATION METHOD	(54) METHOD FOR MANUFACTURING AN OILED ZNALMG COATED SHEET AND CORRESPONDING SHEET
(51) C12N 9/54	(73) IMBA-Institut für Molekulare Biotechnologie GmbH	(73) ArcelorMittal
(11) EP3453757	(72) AMERES, Stefan L.	(72) MACHADO AMORIM, Tiago
(21) EP18196229.1	REICHHOLF, Brian	RICHARD, Joëlle
(22) 19.12.2014	HERZOG, Veronika A.	JACQUESON, Eric
(54) POLYPEPTIDES HAVING PROTEASE ACTIVITY AND POLYNUCLEOTIDES ENCODING SAME	ZUBER, Johannes	LHERMEROULT, Audrey
(73) Novozymes A/S	MUHAR, Matthias	FELTIN, Pascale
(72) GJERMANSEN, Morten	(74) ir. H.A. Witmans c.s.	LEMAIRE, Jean-Michel
(74) ir. M.F.J.M. Ketelaars c.s.	(31) 17166629	DIEZ, Luc
(31) 13198809	18165712	MATAIGNE, Jean-Michel
(32) 20.12.2013	(32) 13.04.2017	(74) ir. A.R. Aalbers
(33) European Patent Office (EPO)	04.04.2018	(31) PCT/FR2012/050906
(47) 17.06.2020	(33) European Patent Office (EPO)	(32) 25.04.2012
(51) C12N 15/00	European Patent Office (EPO)	(33) World Intellectual Property Office (WIPO)
(11) EP3456821	(47) 22.07.2020	(47) 24.06.2020
(21) EP17191829.5	(51) C12Q 1/68	(51) D04B 21/10
(22) 19.09.2017	G16B 25/10	(11) EP3559324
(54) NON-INTEGRATING DNA VECTORS FOR THE GENETIC MODIFICATION OF CELLS	(11) EP3179393	(21) EP17835673.9
(73) Deutsches Krebsforschungszentrum	(21) EP16191856.0	(22) 20.12.2017
(72) HARBOTTLE, Richard	(22) 28.01.2013	(54) NET HAVING A SUPPORT THREAD
BOZZA, Matthias	(54) GENE EXPRESSION PROFILE ALGORITHM AND TEST FOR DETERMINING PROGNOSIS OF PROSTATE CANCER	(73) Karatzis S.A. Industrial & Hotelier Enterprises
WILLIAMS, James A.	(73) Genomic Health, Inc.	(72) KARATZIS, Antonios
(74) ir. H.A. Witmans c.s.	(72) SHAK, Steve	(74) dr. G. Visser-Luirink
(47) 12.08.2020	LEE, Mark	(31) 102016125601
(51) C12P 21/00	NOVOTNY, William	(32) 23.12.2016
(11) EP2864493	MADDALA, Tara	(33) Germany
(21) EP13729968.1	CRAGER, Michael	(47) 10.06.2020
(22) 20.06.2013	CHERBAVAZ, Diana	(51) E02F 3/36
(54) PRODUCTION OF ENZYMES FOR LIGNO-CELLULOSIC BIOMASS	PELHAM, Robert	(11) EP3434827
(73) versalis S.p.A.	MILLWARD, Carl L.	(21) EP17182961.7
(72) PARAVISI, Stefano	KNEZEVIC, Dejan	(22) 25.07.2017
VOLPATI, Laura	(74) ir. M.F.J.M. Ketelaars c.s.	(54) COUPLER ASSEMBLY FOR COUPLING AN ARM TO A WORK TOOL
GIORCELLI, Chiara	(31) 201261593106 P	(73) Caterpillar Inc.
RACCAGNI, Elisa	201261672679 P	(72) Savsek, Zdenko
OTTONELLO, Piero	201261713734 P	Breu, Christian
CHERCHI, Francesco	(32) 31.01.2012	(47) 10.06.2020
(74) J.M.H. Duyver lic.	17.07.2012	(51) E04B 2/02
(31) TO20120545	15.10.2012	E04B 2/18
(32) 21.06.2012	(33) United States of America	E04C 2/04
(33) Italy	United States of America	E04F 13/08
(47) 17.06.2020	United States of America	(11) EP3282062
(51) C12Q 1/68	(47) 08.07.2020	(21) EP17185759.2
(11) EP3478852		(22) 10.08.2017

(54) BUILDING SYSTEM FOR BUILDING A WALL IN MASONRY STONES	E06B 9/307 E06B 9/322	(47) 19.08.2020
(73) SAGOMA GROUP, naamloze vennootschap	(11) EP3477039	(51) E21B 29/00
(72) MARCHETTA, Gianni Luciano MARCHETTA, Claudia MARCHETTA, Cerina	(21) EP18203172.4 (22) 29.10.2018 (54) CONTROL MECHANISM FOR A DOUBLE PITCH BLIND AND A DOUBLE PITCH BLIND ASSEMBLY	(11) EP3387212 (21) EP16806159.6 (22) 07.12.2016 (54) DOWNHOLE WIRELINE MACHINING TOOL STRING
(31) 201605636	(73) Hunter Douglas Industries B.V.	(73) Welltec A/S
(32) 12.08.2016	(72) SLOBBE, Wilfred	(72) KRÜGER, Christian
(33) Belgium	(72) PONSEN, Robert Jan	(72) JENSEN, Sven Karsten
(47) 26.08.2020	(74) ir. M.F.J.M. Ketelaars c.s.	(74) ir. A. Blokland c.s.
(51) E04B 7/02	(74) ir. M.F.J.M. Ketelaars c.s.	(31) 15198341
E04C 3/40	(31) 17199445	16178500
E04G 5/12	(32) 31.10.2017	(32) 08.12.2015
E04H 15/34	(33) European Patent Office (EPO)	07.07.2016
E04H 15/64	(47) 15.07.2020	(33) European Patent Office (EPO)
(11) EP3179014	(51) E21B 17/02	European Patent Office (EPO)
(21) EP16002625.8	(11) EP3400359	(47) 26.08.2020
(22) 09.12.2016	(21) EP16884094.0	(51) E21B 29/10
(54) FRAMEWORK ROOF BINDER WITH A CORNER PART AND A ROOF ASSEMBLY USING THE SAME	(22) 06.01.2016	E21B 43/10
(73) ALFIX GmbH	(54) ROTARY STEERABLE DRILLING TOOL	(11) EP3527779
(72) Weiß, Johannes	(73) Isodrill, Inc.	(21) EP19166958.9
(31) 102015121446	(72) BARGACH, Saad	(22) 13.07.2016
(32) 09.12.2015	BONNER, Stephen D.	(54) EXPANDABLE LINER
(33) Germany	NOLD, Raymond, V., III	(73) Weatherford Technology Holdings, LLC
(47) 08.04.2020	MASSEY, James P.	(72) DELANGE, Richard W.
(51) E04D 3/36	BRUNETTI, Jon A.	SETTERBERG, Jr., John Richard
(11) EP3406816	(74) ir. M.F.J.M. Ketelaars c.s.	OSBURN, Scott H.
(21) EP18169865.5	(47) 26.08.2020	CAPEHART, Michael B.
(22) 27.04.2018	(51) E21B 17/042	GAO, Feng
(54) FASTENER AS WELL AS ADJUSTING KEY AND METHOD FOR INSTALLING THE FASTENER	F16L 15/00	(74) ir. H.A. Witmans c.s.
(73) VILPE Oy	F16L 15/04	(31) 201562191947 P
(72) SAIKKONEN, Eero	F16L 15/06	(32) 13.07.2015
(74) J.M.H. Duyver lic.	(11) EP3421855	(33) United States of America
(31) 20175468	(21) EP16891355.6	(47) 10.06.2020
20175719	(22) 23.02.2016	(51) E21B 33/06
(32) 24.05.2017	(54) THREADED JOINT FOR STEEL PIPES	E21B 33/068
09.08.2017	(73) Vallourec Oil and Gas France	E21B 33/08
(33) Finland	Nippon Steel Corporation	(11) EP3231986
Finland	(72) OKU, Yousuke	(21) EP17162831.6
(47) 17.06.2020	SUGINO, Masaaki	(22) 28.12.2012
(51) E04H 9/02	OTA, Fumio	(54) ANNULAR SEALING IN A ROTATING CONTROL DEVICE
G21C 1/32	(74) ir. M.F.J.M. Ketelaars c.s.	(73) Weatherford Technology Holdings, LLC
G21C 9/00	(47) 22.07.2020	(72) HANNEGAN, Don M.
G21C 9/04	(51) E21B 17/046	CHAMBERS, James
G21C 13/024	(11) EP3366879	JACOBS, Melvin
G21C 13/032	(21) EP18158050.7	(74) ir. H.A. Witmans c.s.
G21C 13/04	(22) 22.02.2018	(31) 201161581427 P
G21D 1/00	(54) TOOL COUPLER WITH ROTATING COUPLING METHOD FOR TOP DRIVE	(32) 29.12.2011
G21D 3/04	(73) Weatherford Technology Holdings, LLC	(33) United States of America
(11) EP3489967	(72) FUEHRING, Ernst	(47) 17.06.2020
(21) EP18208184.4	LIESS, Martin	(51) E21B 33/134
(22) 30.10.2014	(74) ir. H.A. Witmans c.s.	E21B 37/08
(54) SEISMIC ATTENUATION SYSTEM FOR A NUCLEAR REACTOR	(31) 201715445758	E21B 41/00
(73) NuScale Power, LLC	(32) 28.02.2017	E21B 43/116
(72) LISZKAI, Tamas	(33) United States of America	(11) EP3307985
CADELL, Seth	(47) 17.06.2020	(21) EP16807890.5
(74) ir. J.D. de Zeeuw	(51) E21B 21/06	(22) 01.06.2016
(31) 201361922541 P	(11) EP3231983	(54) A METHOD OF PLUGGING AND ABANDONING A WELL
(32) 31.12.2013	(21) EP16164758.1	(73) Hydra Systems AS
(33) United States of America	(22) 11.04.2016	(72) MYHRE, Morten
(47) 08.07.2020	(54) PROCESS FOR THE TREATMENT AND RECYCLING OF DRILLING MUD	LARSEN, Arne, Gunnar
(51) E06B 9/24	(73) Max Wild GmbH	JENSEN, Roy, Inge
	(72) Schad, Josef	ANDERSEN, Patrick
	(74) J.M.H. Duyver lic.	ØSTVOLD, Arnold
		DAHL, Arnt, Olav

(74) ir. A. Blokland c.s.	European Patent Office (EPO)	(32) 04.10.2013
(31) 20150744	(47) 17.06.2020	(33) Germany
(32) 10.06.2015	(51) F04C 18/16	(47) 01.07.2020
(33) Norway	(11) EP3149335	(51) F16H 13/06
(47) 22.07.2020	(21) EP15728361.5	F16H 13/10
(51) F01N 1/00	(22) 01.06.2015	(11) EP3194807
F16L 55/033	(54) SCREW COMPRESSOR	(21) EP15781448.4
F24F 12/00	(73) Carrier Corporation	(22) 02.09.2015
F24F 13/24	(72) VAIDYA, Amit	(54) COMPOUND PLANETARY FRICTION
(11) EP3042131	(74) ir. M.F.J.M. Ketelaars c.s.	DRIVE
(21) EP14792549.9	(31) 201462006487 P	(73) Technische Universiteit Delft
(22) 08.09.2014	(32) 02.06.2014	(72) SCHORSCH, Jack Floyd
(54) SILENCER UNIT FOR HEAT	(33) United States of America	(74) mr. ir. J. van Breda c.s.
RECOVERY VENTILATION UNIT	(47) 24.06.2020	(31) 2013496
(73) Zehnder Group International AG	(51) F04C 18/16	(32) 19.09.2014
(72) BERTHOLD, David	F04C 23/00	(33) Netherlands
ARENDS, Eric	F04C 28/06	(47) 08.07.2020
WALTA, Remco	(11) EP2820306	(51) F16L 19/00
(74) ir. W.J.J.M. Kempes	(21) EP12743354.8	F16L 19/065
(31) 13004367	(22) 27.06.2012	F16L 21/04
(32) 06.09.2013	(54) COMPRESSOR DEVICE AS WELL AS	F16L 47/04
(33) European Patent Office (EPO)	THE USE OF SUCH A COMPRESSOR	F16L 47/10
(47) 03.06.2020	DEVICE	F16L 47/12
(51) F03D 7/02	(73) ATLAS COPCO AIRPOWER, naamloze	(11) EP3428498
F03D 17/00	vennootschap	(21) EP17180713.4
(11) EP3450745	(72) DESIRON Andries Jan F.	(22) 11.07.2017
(21) EP17189234.2	(74) ir. H.A. Witmans c.s.	(54) PIPE, IN PARTICULAR PLASTIC PIPE
(22) 04.09.2017	(31) 201200119	FOR DRAIN PIPES
(54) METHOD OF OPERATING A WIND	(32) 28.02.2012	(73) Lutec GmbH Verwaltungs- und
TURBINE YAW ASSEMBLY	(33) Belgium	Beteiligungsgesellschaft
(73) Siemens Gamesa Renewable Energy A/	(47) 10.06.2020	(72) Lüers, Gregor
S	(51) F16B 2/06	(74) ir. W.J.J.M. Kempes
(72) Pecher, Arthur	F16B 5/02	(47) 17.06.2020
Wind-Larsen, Taus	G01K 1/14	(51) F17C 7/02
(74) ir. M.F.J.M. Ketelaars c.s.	(11) EP3379216	F17C 9/00
(47) 01.07.2020	(21) EP18163190.4	(11) EP3521684
(51) F04B 23/06	(22) 21.03.2018	(21) EP18305122.6
F04B 41/06	(54) TEMPERATURE MONITORING	(22) 06.02.2018
F04B 43/04	DEVICES FOR ELECTRICAL	(54) METHOD AND SYSTEM FOR
F04B 45/047	APPARATUS, SWITCHGEARS WITH	SUPPLYING LIQUEFIED GAS
(11) EP2930363	SAME AND RELATED METHODS	(73) Cryostar SAS
(21) EP14164209.0	(73) Eaton Intelligent Power Limited	(72) WILSON, Neil
(22) 10.04.2014	(72) XIN, Chao	(47) 10.06.2020
(54) Piezoelectric pump assembly and	WANG, Yazhou	(51) F21V 3/02
pressurised circuit provided therewith	WU, Binghua	F21V 29/506
(73) Stichting Nationaal Lucht- en	ZHU, Xu	F21V 29/77
Ruimtevaart Laboratorium	ZHOU, Xin	F21V 29/87
UNIVERSITEIT TWENTE	(31) 201715467914	F21K 9/232
(72) Van Es, Johannes	(32) 23.03.2017	F21Y 115/10
Wits, Wessel Willems	(33) United States of America	(11) EP2524164
(74) ir. A.R. Aalbers	(47) 03.06.2020	(21) EP11708124.0
(47) 10.06.2020	(51) F16D 55/226	(22) 11.01.2011
(51) F04B 43/00	F16D 65/095	(54) TRANSPARENT THERMALLY
F04B 43/04	(11) EP3404282	CONDUCTIVE POLYMER
(11) EP2733354	(21) EP18178677.3	COMPOSITES FOR LIGHT SOURCE
(21) EP13193067.9	(22) 01.10.2014	THERMAL MANAGEMENT
(22) 15.11.2013	(54) DISK BRAKE AND BRAKE LINING SET	(73) Consumer Lighting (U.S.) LLC
(54) Progressive pump force regulation	OF A DISK BRAKE	(72) CHOWDHURY, Ashfaqu, Islam
(73) Shenzhen Mindray Bio-Medical	(73) KNORR-BREMSE Systeme für	ALLEN, Gary, Robert
Electronics Co., Ltd.	Nutzfahrzeuge GmbH	(74) ir. W.J.J.M. Kempes
(72) Werner, Johan	(72) RGUICHI, Abdelaziz	(31) 294231 P
Gabrielsson, Joakim	ADAMCZYK, Philipp	979611
(74) ir. A.E. Dekker-Garms	KLINGNER, Matthias	(32) 12.01.2010
(31) 201261726962 P	WERTH, Alexander	28.12.2010
12192847	PESCHEL, Michael	(33) United States of America
(32) 15.11.2012	THEIL, Robert	United States of America
15.11.2012	(74) ir. M.F.J.M. Ketelaars c.s.	(47) 24.06.2020
(33) United States of America	(31) 102013016312	

- (51) F22B 27/08
F23M 5/02
F23M 5/08
F27B 3/14
F27D 1/00
F27D 1/12
F27D 1/14
F27D 1/16
- (11) EP3458786
(21) EP17726094.0
(22) 17.05.2017
(54) FURNACE STAVE
(73) Berry Metal Company
(72) CARNER, Brayton
WHITE, Jacob
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201662337448 P
(32) 17.05.2016
(33) United States of America
(47) 08.07.2020
-
- (51) F23N 5/12
(11) EP3369994
(21) EP18159104.1
(22) 28.02.2018
(54) METHOD FOR DETERMINING THE CAUSE OF AN IGNITION FAILURE AT THE BURNER OF A BOILER
(73) Viessmann Werke GmbH & Co. KG
(72) Hack, Sebastian
(74) ir. F.A. Geurts c.s.
(31) 102017104526
(32) 03.03.2017
(33) Germany
(47) 02.09.2020
-
- (51) F24F 12/00
F28D 9/00
F28D 21/00
F28F 3/08
F28F 3/10
F28F 9/00
(11) EP2972046
(21) EP14765396.8
(22) 04.03.2014
(54) MEMBRANE-INTEGRATED ENERGY EXCHANGE ASSEMBLY
(73) Nortek Air Solutions Canada, Inc.
(72) ERB, Blake Norman
HANSON, Stephen
AFSHIN, Mohammad
(74) J.M.H. Duyver lic.
(31) 201361783048 P
201414190715
(32) 14.03.2013
26.02.2014
(33) United States of America
United States of America
(47) 17.06.2020
-
- (51) F25B 13/00
F28D 9/00
F28F 9/02
(11) EP3289305
(21) EP16720675.4
(22) 27.04.2016
(54) PLATE HEAT EXCHANGER AND REVERSIBLE REFRIGERATING MACHINE INCLUDING SUCH AN EXCHANGER
- (73) Carrier Corporation
(72) MEREL, Gwenaël
MEZIANI, Slimane
AUZENET, Eric
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 1553870
(32) 29.04.2015
(33) France
(47) 24.06.2020
-
- (51) F25B 25/00
F25B 41/04
F25B 45/00
F25B 49/00
(11) EP3492846
(21) EP18203625.1
(22) 31.10.2018
(54) DEVICE FOR SAFELY CARRYING OUT A LEFT-TURNING THERMODYNAMIC RANKINE CYCLE AND ITS SAFE EMPTYING AND FILLING BY MEANS OF AN INFLAMMABLE WORKING FLUID AND A METHOD FOR SAFELY EMPTYING AN INFLAMMABLE WORKING FLUID
(73) Vaillant GmbH
(72) Lingk, Tobias
Spahn, Hans-Josef
(74) J.M.H. Duyver lic.
(31) 102017128702
(32) 04.12.2017
(33) Germany
(47) 10.06.2020
-
- (51) F28F 7/02
F28F 9/02
F28F 21/04
(11) EP3465061
(21) EP17737008.7
(22) 01.06.2017
(54) HEAT EXCHANGER
(73) KEW TECHNOLOGY LIMITED
(72) KALSI, Kamaldeep
(74) ir. H.J.G. Lips c.s.
(31) 201609847
(32) 06.06.2016
(33) United Kingdom
(47) 22.07.2020
-
- (51) G01C 21/34
H04W 4/02
(11) EP3080724
(21) EP14869089.4
(22) 10.12.2014
(54) GENERATING ELEVATION DATA FOR MAPS
(73) Strava Inc.
(72) KITCHEL, Davis
(74) ir. A. Blokland c.s.
(31) 201361914859 P
201414564911
(32) 11.12.2013
09.12.2014
(33) United States of America
United States of America
(47) 10.06.2020
-
- (51) G01D 3/032
G01D 5/244
(11) EP2619528
(21) EP11767802.9
(22) 13.09.2011
- (54) SYSTEM AND PROCESS FOR DETERMINING OFFSETS OF MEASURING INSTRUMENTS
(73) PSC Engineering S.r.l.
(72) CRUPI SANTINO
(74) dr. A. Krebs
(31) TO20100764
(32) 20.09.2010
(33) Italy
(47) 10.06.2020
-
- (51) G01F 1/66
(11) EP3056874
(21) EP15190260.8
(22) 16.10.2015
(54) USE OF TRANSDUCERS WITH A PIEZO CERAMIC ARRAY TO IMPROVE THE ACCURACY OF ULTRA SONIC METERS
(73) Honeywell International Inc.
(72) TEUFEL, Michael
KASTELEIN, Bas
(74) ir. W.J.J.M. Kempes
(31) 201414519785
(32) 21.10.2014
(33) United States of America
(47) 17.06.2020
-
- (51) G01F 1/716
(11) EP3252438
(21) EP17169654.5
(22) 05.05.2017
(54) METHOD FOR OPERATING A NUCLEAR MAGNETIC RESONANCE FLOW METER AND NUCLEAR MAGNETIC RESONANCE FLOW METER
(73) Krohne AG
(72) CERIONI, Lucas Matias Ceferino
(74) ir. W.J.J.M. Kempes
(31) 102016108996
(32) 15.05.2016
(33) Germany
(47) 24.06.2020
-
- (51) G01F 1/84
(11) EP2449348
(21) EP09790011.2
(22) 30.06.2009
(54) VIBRATING-TYPE FLOW SENSOR ASSEMBLIES AND METHODS FOR FORMING A FLOWMETER
(73) Micro Motion, Inc.
(72) LANHAM, Gregory, Treat
WERBACH, Christopher, A.
(74) ir. M.F.J.M. Ketelaars c.s.
(47) 29.07.2020
-
- (51) G01J 9/00
(11) EP1990618
(21) EP08156008.8
(22) 09.05.2008
(54) Method and device for measuring at least one deformation of a wave front
(73) L'OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES
(72) Cassaing, Frédéric
Mugnier, Laurent
(74) ir. F.A. Geurts c.s.
(31) 0755041
(32) 11.05.2007
(33) France

(47) 01.07.2020	Rurack, Knut	(54) PROTEIN-RICH MICROALGAL BIOMASS COMPOSITIONS OF OPTIMIZED SENSORY QUALITY
(51) G01M 5/00	(74) ir. H.A. Witmans c.s.	(73) Corbion Biotech, Inc.
(11) EP2994737	(31) 102004044717	(72) JEROSCH, Heike
(21) EP14721416.7	(32) 10.09.2004	DRUON, Amandine
(22) 06.05.2014	(33) Germany	GUILLEMANT, Marilyne
(54) EFFECTIVE STRUCTURAL HEALTH MONITORING	(47) 24.06.2020	PATINIER, Samuel
(73) Vrije Universiteit Brussel	(51) G01N 21/47	(74) J.M.H. Duyver lic.
(72) DE BAERE, Dieter	G01N 21/3563	(31) 1357843
(31) 201361819830 P	(11) EP3211400	(32) 07.08.2013
13180793	(21) EP16157206.0	(33) France
14153571	(22) 24.02.2016	(47) 15.07.2020
(32) 06.05.2013	(54) A METHOD AND APPARATUS FOR THE DETECTION OF THE PRESENCE OF MYCOTOXINS IN CEREALS	(51) G01N 33/50
18.08.2013	(73) TOMRA Sorting NV	G01N 33/569
31.01.2014	(72) Thienpont, Hugo	(11) EP2831584
(33) United States of America	Meulebroeck, Wendy	(21) EP13767635.9
European Patent Office (EPO)	Smeesters, Lien	(22) 21.03.2013
European Patent Office (EPO)	McGloughlin, John	(54) CELLULAR MARKERS FOR DIAGNOSIS OF ALZHEIMER'S DISEASE AND FOR ALZHEIMER'S DISEASE PROGRESSION
(47) 15.07.2020	(74) ir. A. Blokland c.s.	(73) Yeda Research and Development Co., Ltd.
(51) G01M 5/00	(47) 22.07.2020	Neuroquest Ltd.
G01M 13/04	(51) G01N 21/71	(72) EISENBACH-SCHWARTZ, Michal
(11) EP3144658	(11) EP3507591	YOLES, Ester
(21) EP16001988.1	(21) EP17754136.4	(74) ir. W.J.J.M. Kempes
(22) 13.09.2016	(22) 10.08.2017	(31) 201261615465 P
(54) DEVICE WITH AT LEAST ONE ELASTICALLY DEFORMABLE COMPONENT AND METHOD FOR DETECTING THE ONSET OF WEAR-RELATED COMPONENT REMAINING LIFE	(54) METHOD AND DEVICE FOR INCREASING THE SENSITIVITY OF AN IN-LINE MEASUREMENT OF THE SURFACE CLEANLINESS OF STEEL STRIPS	(32) 26.03.2012
(73) Jörn GmbH	(73) Centre de Recherches Métallurgiques ASBL - Centrum voor Research in de Metallurgie VZW	(33) United States of America
(72) Reinke, Kai	(72) MONFORT, Guy	(47) 17.06.2020
(74) drs. P.F.H.M. van Someren c.s.	MOREAS, Geneviève	(51) G01N 33/50
(31) 102015011760	(74) ir. W.J.J.M. Kempes	G01N 33/574
(32) 15.09.2015	(31) 201605674	G01N 33/68
(33) Germany	(32) 02.09.2016	(11) EP2619576
(47) 10.06.2020	(33) Belgium	(21) EP11773381.6
(51) G01N 15/10	(47) 08.07.2020	(22) 20.09.2011
G01N 33/543	(51) G01N 24/08	(54) MEANS AND METHODS FOR THE PREDICTION OF TREATMENT RESPONSE OF A CANCER PATIENT
G01N 33/569	G01R 33/30	(73) Grabe, Niels
(11) EP3296742	G01R 33/36	Halama, Niels, Dr.
(21) EP16189483.7	G01R 33/46	Jäger, Dirk
(22) 19.09.2016	(11) EP3427075	Zörnig, Inka
(54) METHOD OF DETERMINING THE PRESENCE AND/OR AMOUNT OF TARGET MOLECULES	(21) EP17713899.7	(72) Grabe, Niels
(73) Canopy Biosciences, LLC	(22) 06.03.2017	Halama, Niels, Dr.
(72) HENNIG, Christian	(54) METHOD FOR PERFORMING AN NMR MEASUREMENT, PROBE ARRANGEMENT FOR AN NMR SPECTROMETER, AND NMR SPECTROMETER ARRANGEMENT	Jäger, Dirk
(74) ir. M.F.J.M. Ketelaars c.s.	(73) numares AG	Zörnig, Inka
(47) 22.07.2020	(72) HUBER, Fritz	(74) ir. M.F.J.M. Ketelaars c.s.
(51) G01N 21/27	PFAHLERT, Volker	(31) 10010537
G01N 21/64	ARNOLD, Martin Reinhard	(32) 24.09.2010
(11) EP2068141	(74) ir. H.A. Witmans c.s.	(33) European Patent Office (EPO)
(21) EP09153880.1	(31) 102016203891	(47) 10.06.2020
(22) 07.09.2005	(32) 09.03.2016	(51) G01Q 10/04
(54) Kit, its use and method for calibration of a photoluminescence measuring system	(33) Germany	G01Q 20/02
(73) BAM Bundesanstalt für Materialforschung und -prüfung	(47) 01.07.2020	(11) EP2810083
Sigma-Aldrich GmbH	(51) G01N 33/00	(21) EP13707024.9
(72) Resch-Genger, Ute	G01N 33/02	(22) 29.01.2013
Schönenberger, Bernhard	(11) EP3030896	(54) BEAM SCANNING SYSTEM
Pfeifer, Dietmar	(21) EP14755887.8	(73) Infinitiesima Limited
Monte, Christian	(22) 06.08.2014	(72) HUMPHRIS, Andrew
Hoffmann, Angelika		ZHAO, Bin
Nording, Pierre		(74) drs. A.A. Jilderda
Hoffmann, Katrin		(31) 201201640
Spieles, Monika		(32) 31.01.2012
		(33) United Kingdom
		(47) 19.08.2020

- | | | |
|-------------------------------------|--|---|
| (51) G01R 15/16 | (22) 12.03.2014 | (31) 201615331 |
| G01R 19/155 | (54) AN ANTENNA SYSTEM FOR | (32) 09.09.2016 |
| G01R 31/02 | POLARIZATION DIVERSITY | (33) United Kingdom |
| H02H 1/00 | (73) Saab AB | (47) 08.07.2020 |
| H02H 3/14 | (72) HELLSTEN, Hans | <hr/> |
| H02H 3/33 | (74) ir. M.F.J.M. Ketelaars c.s. | (51) G02B 6/02 |
| H02H 5/00 | (47) 03.06.2020 | (11) EP3047318 |
| H02H 5/10 | (51) G01S 17/08 | (21) EP14767034.3 |
| H02H 11/00 | G01S 17/88 | (22) 19.09.2014 |
| (11) EP3373403 | G06F 1/16 | (54) HOLLOW-CORE PHOTONIC BANDGAP |
| (21) EP17160188.3 | H04M 1/02 | FIBERS |
| (22) 09.03.2017 | H04M 1/725 | (73) University Of Southampton |
| (54) DIFFERENTIAL CURRENT | (11) EP3373039 | (72) FOKOUA, Eric Rodrigue Numkam |
| PROTECTION AND OPERATION | (21) EP17210674.2 | POLETTI, Francesco |
| METHOD FOR DETECTING A | (22) 27.12.2017 | RICHARDSON, David John |
| VOLTAGE ON THE PEN CONDUCTOR | (54) SENSOR ASSEMBLY AND TERMINAL | (74) J.M.H. Duyver lic. |
| (73) Heinrich Kopp GmbH | (73) GUANGDONG OPPO MOBILE | (31) 201316793 |
| (72) SCHUCK, Nicolas | TELECOMMUNICATIONS CORP., LTD. | (32) 20.09.2013 |
| (74) drs. P.F.H.M. van Someren c.s. | (72) ZHANG, Haiping | (33) United Kingdom |
| (47) 10.06.2020 | (74) dr. W.A.H.M. Van Borm | (47) 15.07.2020 |
| <hr/> | (31) 201710132063 | <hr/> |
| (51) G01S 3/46 | (32) 07.03.2017 | (51) G02B 6/44 |
| G01S 7/02 | (33) China | (11) EP2443498 |
| (11) EP3111247 | (47) 05.08.2020 | (21) EP10728523.1 |
| (21) EP15708768.5 | (51) G01V 1/155 | (22) 18.06.2010 |
| (22) 25.02.2015 | (11) EP2549300 | (54) HIGH FIBER OPTIC CABLE PACKING |
| (54) RADAR DEVICE SUITABLE FOR | (21) EP12160234.6 | DENSITY APPARATUS |
| EQUIPPING A COASTAL MONITORING | (22) 19.03.2012 | (73) Corning Optical Communications LLC |
| SYSTEM, AND COASTAL MONITORING | (54) Seismic shaker | (72) COOKE, Terry L. |
| SYSTEM INCORPORATING SUCH A | (73) Magnetic Innovations BV | DEAN, David, L. Jr. |
| DEVICE | (72) Dams, Johannes Adrianus Antonius | STABER, Harley J. |
| (73) THALES | Laro, Dick | STRAUSE, Kevin L. |
| (72) CORNIC, Pascal | Van Dijk, Paul | UGOLINI, Alan W. |
| AUDIC, Yves | (74) ir. G.J.M. Verhees | (74) ir. H.A. Witmans c.s. |
| LE BIHAN, Patrick | (31) 2006429 | (31) 218878 P |
| (74) ir. H.A. Witmans c.s. | (32) 18.03.2011 | (32) 19.06.2009 |
| (31) 1400514 | (33) Netherlands | (33) United States of America |
| (32) 28.02.2014 | (47) 17.06.2020 | (47) 24.06.2020 |
| (33) France | <hr/> | <hr/> |
| (47) 17.06.2020 | (51) G01V 3/08 | (51) G02B 6/44 |
| <hr/> | H03F 3/21 | (11) EP2933669 |
| (51) G01S 7/02 | H03F 3/217 | (21) EP15163547.1 |
| G01S 7/03 | H03F 3/24 | (22) 14.04.2015 |
| G01S 7/40 | (11) EP2096467 | (54) PROTECTION ELEMENT FOR |
| G01S 13/34 | (21) EP09250576.7 | PROTECTING A FIBER NETWORK |
| G01S 13/88 | (22) 27.02.2009 | COMPONENT AGAINST DAMAGE |
| (11) EP2960672 | (54) Transmitter of a system for detecting a | THEREOF, TAPPING BOX, METHOD |
| (21) EP15170178.6 | buried conductor | OF INSTALLING A NETWORK, AND |
| (22) 01.06.2015 | (73) RADIODETECTION LIMITED | COMMUNICATIONS NETWORK |
| (54) ADJUSTABLE SELF-INTERFERENCE | (72) Royle, John Mark | (73) Prysmian S.p.A. |
| CANCELLATION IN AN FMCW RADAR | Pearson, Richard | (72) Doorn, Mijndert |
| ALTIMETER | (74) dr. W.A.H.M. Van Borm | Zeng, Jianming |
| (73) Honeywell International Inc. | (31) 0803871 | van Trigt, Kees |
| (72) FERGUSON, Paul David | (32) 29.02.2008 | (74) ir. H.A. Witmans c.s. |
| POS, Marc | (33) United Kingdom | (31) 2012627 |
| TINSLEY, Robert Jason | (47) 17.06.2020 | (32) 15.04.2014 |
| (74) ir. W.J.J.M. Kempes | <hr/> | (33) Netherlands |
| (31) 201414316176 | (51) G01V 3/15 | (47) 17.06.2020 |
| (32) 26.06.2014 | (11) EP3510424 | <hr/> |
| (33) United States of America | (21) EP17777628.3 | (51) G02B 26/00 |
| (47) 05.08.2020 | (22) 08.09.2017 | G02B 26/02 |
| <hr/> | (54) PIPELINE MAPPING SYSTEM | G09F 9/37 |
| (51) G01S 7/02 | (73) Speir Hunter Ltd. | (11) EP2071385 |
| G01S 7/03 | (72) FREEAR, Steven | (21) EP08005806.8 |
| G01S 13/88 | VO, Chau Ky | (22) 27.03.2008 |
| H01Q 1/28 | VARCOE, Ben | (54) Electrowetting element |
| H01Q 7/00 | COWELL, David Matthew Joseph | (73) Miortech Holding B.V. |
| H01Q 11/14 | STAPLES, Stephen George Henry | (72) Feil, Hermanus |
| H04B 7/02 | COOKSON, Christopher Lee | (74) ir. A. Blokland c.s. |
| (11) EP3117484 | (74) dr. A. Krebs | (31) 07023982 |
| (21) EP14885561.2 | | (32) 11.12.2007 |
| | | (33) European Patent Office (EPO) |

(47) 22.07.2020	(74) ir. H.A. Witmans c.s.	(31) 96150471
(51) G02B 27/01	(31) 2015003334	(32) 27.12.2007
G06F 3/01	2015213595	(33) Taiwan, Province of China
(11) EP3418860	(32) 09.01.2015	(47) 22.07.2020
(21) EP17176756.9	30.10.2015	(51) G06F 3/041
(22) 20.06.2017	(33) Japan	G06F 3/042
(54) PROVISION OF VIRTUAL REALITY	Japan	H03K 17/94
CONTENT	(47) 22.07.2020	H03K 17/945
(73) Nokia Technologies Oy	(51) G03G 15/08	H03K 17/96
(72) ERONEN, Antti Johannes	G03G 21/16	G06F 3/0488
LEHTINIEMI, Arto Juhani	(11) EP3203325	(11) EP3224701
LEPPÄNEN, Jussi Artturi	(21) EP17161956.2	(21) EP15821102.9
ARRASVUORI, Juha Henrik	(22) 22.12.2010	(22) 26.11.2015
(74) dr. W.A.H.M. Van Borm	(54) DEVELOPING CARTRIDGE	(54) OPERATING DEVICE AND METHOD
(47) 05.08.2020	(73) BROTHER KOGYO KABUSHIKI KAISHA	AND APPLIANCE COMPRISING SUCH
(51) G03B 17/00	(72) TAKAGI, Takeyuki	A DEVICE
G03B 17/04	MORI, Hiroki	(73) Sequeris
H04N 5/225	(74) ir. M.F.J.M. Ketelaars c.s.	Falco, Jean-Louis
(11) EP3514618	(31) 2009294594	(72) FALCO, Jean-Louis
(21) EP18208503.5	(32) 25.12.2009	PHILIPPE, Sébastien
(22) 27.11.2018	(33) Japan	(74) J.M.H. Duyver lic.
(54) CAMERA ASSEMBLY AND	(47) 15.07.2020	(31) 1461530
ELECTRONIC DEVICE	(51) G05B 13/04	(32) 26.11.2014
(73) GUANGDONG OPPO MOBILE	G05B 17/02	(33) France
TELECOMMUNICATIONS CORP., LTD.	(11) EP2940536	(47) 10.06.2020
(72) ZHANG, Xiang	(21) EP14166560.4	(51) G06F 3/16
(74) ir. W.J.J.M. Kempes	(22) 30.04.2014	G10L 15/22
(31) 201810064879	(54) A method for calculating a load	G06F 21/32
(32) 23.01.2018	distribution among a plurality of rotary	G10L 15/30
(33) China	machines of a machine station	(11) EP3459076
(47) 15.07.2020	(73) ABB Schweiz AG	(21) EP18732187.2
(51) G03F 1/24	(72) Cortinovis, Andrea	(22) 16.05.2018
G03F 1/38	Mercangöz, Mehmet	(54) FAR-FIELD EXTENSION FOR DIGITAL
G03F 1/40	Dominguez, Luis	ASSISTANT SERVICES
G03F 1/60	Zanarini, Alessandro	(73) Apple Inc.
(11) EP2763157	Pareschi, Diego	(72) KIM, Yoon
(21) EP12835040.2	(74) ir. W.J.J.M. Kempes	SRISUWANANUKORN, Charles
(22) 24.09.2012	(47) 03.06.2020	CARSON, David A.
(54) MASK BLANK FOR REFLECTION-	(51) G06F 1/16	GRUBER, Thomas R.
TYPE EXPOSURE, AND MASK FOR	H04M 1/02	BINDER, Justin G.
REFLECTION-TYPE EXPOSURE	H04M 1/725	(74) J.M.H. Duyver lic.
(73) Toppan Printing Co., Ltd.	(11) EP3230819	(31) 201762507151 P
(72) KODERA, Yutaka	(21) EP14824579.8	PA201770435
SAKATA, Yo	(22) 08.12.2014	PA201770434
KON, Masato	(54) APPARATUS AND METHOD FOR	201715679108
(74) ir. M.F.J.M. Ketelaars c.s.	FACILITATING A USER GRASPING A	(32) 16.05.2017
(31) 2011212635	HAND-HELD DEVICE	02.06.2017
2011233553	(73) Telefonaktiebolaget LM Ericsson (publ)	02.06.2017
(32) 28.09.2011	(72) LAWRENSON, Matthew John	16.08.2017
25.10.2011	NOLAN, Julian Charles	(33) United States of America
(33) Japan	BURKERT, Till	Denmark
Japan	(74) ir. A. Blokland c.s.	Denmark
(47) 08.07.2020	(47) 29.07.2020	United States of America
(51) G03G 15/08	(51) G06F 3/01	(47) 22.07.2020
(11) EP3043212	G06F 3/023	(51) G06F 9/38
(21) EP15202804.9	H04M 1/23	(11) EP2783282
(22) 28.12.2015	(11) EP3190482	(21) EP11876130.3
(54) DEVELOPING DEVICE, PROCESS	(21) EP16191121.9	(22) 22.11.2011
CARTRIDGE, AND IMAGE FORMING	(22) 29.12.2008	(54) A MICROPROCESSOR ACCELERATED
APPARATUS INCLUDING SAME	(54) ELECTRONIC DEVICE, CHARACTER	CODE OPTIMIZER AND DEPENDENCY
(73) Ricoh Company, Ltd.	INPUT MODULE AND METHOD FOR	REORDERING METHOD
(72) OKAMOTO, Hiroaki	SELECTING CHARACTERS THEREOF	(73) Intel Corporation
OGAWA, Tadashi	(73) HTC Corporation	(72) ABDALLAH, Mohammad
MABUCHI, Hiroyuki	(72) WANG, John C.	(74) ir. W.J.J.M. Kempes
OTOME, Yukio	TAN, Yun-Long	(47) 24.06.2020
TERAI, Junichi	WANG, Yi-Shen	(51) G06F 9/455
KIMURA, Hideki	CHUANG, Cheng-Chieh	(11) EP2888662
KIKUCHI, Hiroshi	(74) ir. M.F.J.M. Ketelaars c.s.	(21) EP13759069.1

- | | | |
|---|---|--|
| (22) 22.08.2013 | (54) PROVISIONING AND MANAGING REPLICATED DATA INSTANCES | (73) Tata Consultancy Services Limited |
| (54) SPECIALIZED VIRTUAL MACHINE TO VIRTUALIZE HARDWARE RESOURCE FOR GUEST VIRTUAL MACHINES | (73) Amazon Technologies, Inc. | (72) MAITY, Soumyadip SAHA, Arindam BHOWMICK, Brojeshwar |
| (73) Citrix Systems Inc. | (72) MCALISTER, Grant Alexander MacDonald SIVASUBRAMANIAN, Swaminathan | (74) drs. P.F.H.M. van Someren c.s. |
| (72) PETROV, Julian STUTSMAN, Sandy | (74) ir. W.J.J.M. Kempes | (31) 201721037059 |
| (74) ir. A. Blokland c.s. | (31) 606093 | (32) 18.10.2017 |
| (31) 201213592891 | (32) 26.10.2009 | (33) India |
| (32) 23.08.2012 | (33) United States of America | (47) 22.07.2020 |
| (33) United States of America | (47) 01.07.2020 | <hr/> |
| (47) 17.06.2020 | (51) G06F 21/31 | (51) G06T 11/60 |
| (51) G06F 9/48 | (11) EP2615570 | (11) EP3279866 |
| G06F 11/34 | (21) EP13157656.3 | (21) EP16771291.8 |
| G06F 15/80 | (22) 16.12.2004 | (22) 22.03.2016 |
| G06F 9/44 | (54) A METHOD FOR SECURE OPERATION OF A COMPUTING DEVICE | (54) METHOD AND APPARATUS FOR GENERATING SYNTHETIC PICTURE |
| G06F 1/32 | (73) Nokia Technologies Oy | (73) Alibaba Group Holding Limited |
| (11) EP2684127 | (72) Heath, Craig Clarke, Leon | (72) ZHANG, Yu DU, Zhijun WANG, Nan DING, Wei HE, Qiang |
| (21) EP11860992.4 | (74) dr. W.A.H.M. Van Borm | (74) dr. W.A.H.M. Van Borm |
| (22) 28.12.2011 | (31) 0329835 | (31) 201510144685 |
| (54) DYNAMIC CORE SELECTION FOR HETEROGENEOUS MULTI-CORE SYSTEMS | (32) 23.12.2003 | (32) 30.03.2015 |
| (73) Intel Corporation | (33) United Kingdom | (33) China |
| (72) WU, Youfeng HU, Shiliang BORIN, Edson WANG, Cheng | (47) 03.06.2020 | (47) 12.08.2020 |
| (74) ir. W.J.J.M. Kempes | (51) G06K 7/10 | <hr/> |
| (31) 201113046031 | (11) EP3343430 | (51) G06T 13/80 |
| (32) 11.03.2011 | (21) EP17211146.0 | G06T 3/00 |
| (33) United States of America | (22) 29.12.2017 | G06F 3/048 |
| (47) 24.06.2020 | (54) SENSING DEVICE AND METHOD FOR BULK DETECTING OF GOODS WITH TRANSPONDERS | (11) EP3400514 |
| (51) G06F 12/14 | (73) Kemas GmbH | (21) EP17743656.5 |
| G06F 21/00 | (72) Uhlig, Silvio Grämer, Hans-Jürgen Walosczyk, Ulrich | (22) 19.01.2017 |
| G06F 21/53 | (74) dr. W.A.H.M. Van Borm | (54) HAPTIC CORRELATED GRAPHIC EFFECTS |
| G06F 21/54 | (31) 202016107482 U | (73) Huawei Technologies Co., Ltd. |
| G06F 21/56 | (32) 29.12.2016 | (72) MAZZOLA, Anthony |
| (11) EP3084615 | (33) Germany | (74) ir. W.J.J.M. Kempes |
| (21) EP13899925.5 | (47) 19.08.2020 | (31) 201615006888 |
| (22) 17.12.2013 | (51) G06T 5/00 | (32) 26.01.2016 |
| (54) DETECTION OF UNAUTHORIZED MEMORY MODIFICATION AND ACCESS USING TRANSACTIONAL MEMORY | (11) EP3559901 | (33) United States of America |
| (73) Intel Corporation | (21) EP18706171.8 | (47) 24.06.2020 |
| (72) MUTTIK, Igor DEMENTIEV, Roman NAYSHTUT, Alex | (22) 12.02.2018 | <hr/> |
| (74) ir. W.J.J.M. Kempes | (54) TONE CURVE MAPPING FOR HIGH DYNAMIC RANGE IMAGES | (51) G06T 15/20 |
| (47) 24.06.2020 | (73) Dolby Laboratories Licensing Corporation | G06K 9/46 |
| (51) G06F 15/173 | (72) PYTLARZ, Jaclyn Anne ATKINS, Robin | G06T 17/00 |
| H04L 29/06 | (74) J.M.H. Duyver lic. | G06T 7/55 |
| G06F 16/957 | (31) 17156284 | (11) EP3273412 |
| (11) EP3268873 | 201762459141 P | (21) EP16764182.8 |
| (21) EP15884205.4 | 201762465298 P | (22) 08.03.2016 |
| (22) 09.03.2015 | (32) 15.02.2017 | (54) THREE-DIMENSIONAL MODELLING METHOD AND DEVICE |
| (54) MEMCACHED SYSTEMS HAVING LOCAL CACHES | 15.02.2017 | (73) Alibaba Group Holding Limited |
| (73) Intel Corporation | 01.03.2017 | (72) ZHANG, Jie |
| (72) WU, Xiangbin WU, Gansha | (33) European Patent Office (EPO) United States of America United States of America | (74) dr. W.A.H.M. Van Borm |
| (74) ir. W.J.J.M. Kempes | (47) 05.08.2020 | (31) 201510117117 |
| (47) 24.06.2020 | (51) G06T 7/579 | (32) 17.03.2015 |
| (51) G06F 16/27 | (11) EP3474230 | (33) China |
| (11) EP2494438 | (21) EP18158762.7 | (47) 02.09.2020 |
| (21) EP10827392.1 | (22) 27.02.2018 | <hr/> |
| (22) 26.10.2010 | (54) SYSTEMS AND METHODS FOR EDGE POINTS BASED MONOCULAR VISUAL SLAM | (51) G06T 19/00 |
| | | G01C 21/36 |
| | | G09B 29/10 |
| | | (11) EP1971825 |
| | | (21) EP07700014.9 |
| | | (22) 03.01.2007 |
| | | (54) DISPLAYING NETWORK OBJECTS IN MOBILE DEVICES BASED ON GEOLOCATION |
| | | (73) Nokia Technologies Oy |
| | | (72) HAMYNEN, Kimmo |

KORHONEN, Pasi	(33) Croatia	H01L 29/40
KAHARI, Markus	(47) 10.06.2020	H01L 29/739
SORVARI, Antti	(51) G10K 11/20	H01L 29/78
HUHTALA, Ika	H04R 1/34	H01L 29/872
MURPHY, David	(11) EP2419899	(11) EP2801114
PAALASMAA, Joonas	(21) EP10740711.6	(21) EP12864072.9
(74) ir. W.J.J.M. Kempes	(22) 24.06.2010	(22) 13.12.2012
(31) 328298	(54) AN ACOUSTIC ENERGY REFLECTOR	(54) SEMICONDUCTOR DEVICE
(32) 09.01.2006	(73) Defence Research And Development	WITH IMPROVED TERMINATION
(33) United States of America	Organisation	STRUCTURE FOR HIGH VOLTAGE
(47) 08.07.2020	(72) KRISHNAMOORTHY, Sasikumar	APPLICATIONS AND METHOD OF
(51) G08G 1/00	RAJAGOPALAN, Manoj, Nalanda	MANUFACTURING THE SAME
H04W 52/02	NAIR, Gopalan, Suresh	(73) Vishay General Semiconductor LLC
H04W 4/029	THEKKEKARA, Mukundan	(72) LIN, Yih-yin
H04W 4/40	(74) ir. M.F.J.M. Ketelaars c.s.	LIN, Pai-li
(11) EP3496430	(31) 1310DE2009	HSU, Chih-wei
(21) EP19154673.8	(32) 25.06.2009	(74) ir. A. Blokland c.s.
(22) 30.11.2017	(33) India	(31) 201213343435
(54) BIG TELEMATICS DATA NETWORK	(47) 24.06.2020	(32) 04.01.2012
COMMUNICATION FAULT	(51) G10L 19/012	(33) United States of America
IDENTIFICATION SYSTEM	G10L 19/22	(47) 03.06.2020
(73) GEOTAB Inc.	(11) EP3007169	(51) H01L 21/67
(72) Cawse, Neil Charles	(21) EP13885513.5	H01L 21/68
Dodgson, Daniel Michael	(22) 25.09.2013	(11) EP2299472
Zhao, Yi	(54) MEDIA DATA TRANSMISSION	(21) EP09012023.9
(74) ir. M.F.J.M. Ketelaars c.s.	METHOD, DEVICE AND SYSTEM	(22) 22.09.2009
(31) 201615530113	(73) Huawei Technologies Co., Ltd.	(54) Device for aligning two substrates
(32) 05.12.2016	(72) WANG, Zhe	(73) EV Group E. Thallner GmbH
(33) United States of America	(74) ir. W.J.J.M. Kempes	(72) Figura, Daniel
(47) 17.06.2020	(31) 201310209760	(74) mr. ir. J. van Breda c.s.
(51) G09G 3/00	(32) 30.05.2013	(47) 08.07.2020
H05B 33/08	(33) China	(51) H01L 27/02
(11) EP3389342	(47) 24.06.2020	H01L 29/06
(21) EP18176133.9	(51) H01J 9/18	H01L 29/08
(22) 11.04.2011	H01J 31/26	H01L 29/36
(54) DRIVER SYSTEM FOR DRIVING A	(11) EP3323138	H01L 29/40
PLURALITY OF LED'S	(21) EP16828258.0	H01L 29/735
(73) eldoLAB Holding B.V.	(22) 13.07.2016	(11) EP2497112
(72) SAES, Marc	(54) IMAGE INTENSIFIER WITH INDEXED	(21) EP10766187.8
(74) ir. J.C. Volmer c.s.	COMPLIANT ANODE ASSEMBLY	(22) 04.10.2010
(31) 32255010 P	(73) Intevac, Inc.	(54) ELECTROSTATIC PROTECTION
(32) 09.04.2010	(72) COSTELLO, Kenneth	DEVICE AND METHOD OF
(33) United States of America	RODERICK, Kevin	MANUFACTURING THE SAME
(47) 10.06.2020	(74) ir. F.A. Geurts c.s.	(73) Analog Devices, Inc.
(51) G09G 5/00	(31) 201514801807	(72) COYNE, Edward, John
G06F 3/0481	(32) 16.07.2015	McGUINNESS, Patrick, Martin
G06F 3/0484	(33) United States of America	DALY, Paul, Malachy
G06F 3/0486	(47) 17.06.2020	STENSON, Bernard, Patrick
(11) EP3076275	(51) H01L 21/324	CLARKE, David, J.
(21) EP13899465.2	H01L 21/67	BAIN, Andrew, David
(22) 20.12.2013	H01L 21/677	LANE, William, Allan
(54) METHOD FOR OPENING FILE IN FILE	(11) EP2579298	(74) drs. A.A. Jilderda
FOLDER AND TERMINAL	(21) EP11789911.2	(31) 612609
(73) Huawei Technologies Co., Ltd.	(22) 03.06.2011	(32) 04.11.2009
(72) XU, Jie	(54) HEAT-TREATMENT FURNACE	(33) United States of America
YANG, Zhiyan	(73) Shin-Etsu Chemical Co., Ltd.	(47) 24.06.2020
(74) ir. W.J.J.M. Kempes	(72) MURAKAMI Takashi	(51) H01L 27/146
(47) 24.06.2020	WATABE Takenori	(11) EP2870631
(51) G10D 3/18	OTSUKA Hiroyuki	(21) EP13734123.6
(11) EP2080190	(74) ir. M.F.J.M. Ketelaars c.s.	(22) 05.07.2013
(21) EP07824975.2	(31) 2010128998	(54) METHOD FOR PRODUCING A
(22) 30.10.2007	(32) 04.06.2010	CMOS IMAGING DEVICE HAVING
(54) CHIN-REST FOR A VIOLIN	(33) Japan	OPTIMIZED SHAPE BY MEANS OF
(73) Vsp D.o.o.	(47) 08.07.2020	PHOTOCOMPOSITION
(72) PROSKURNJAK, Vladimir Simunov	(51) H01L 21/329	(73) Commissariat à l'Énergie Atomique et
(74) ir. J.P.E. Brants	H01L 21/336	aux Énergies Alternatives
(31) 20060375	H01L 29/06	Trixell
(32) 31.10.2006		(72) ROHR, Pierre

MARTIN, Jean-Luc	ZILTENER, Roger	(54) IMPROVED ELECTRODE FOR REDOX
BOSSET, Bruno	NETTER, Thomas	FLOW BATTERY
DUPONT, Bertrand	(74) ir. W.J.J.M. Kempes	(73) Avalon Battery (Canada) Corporation
(74) ir. H.A. Witmans c.s.	(31) 201562174987 P	(72) SUN, Che-Nan
(31) 1256469	(32) 12.06.2015	GENDERS, David
(32) 05.07.2012	(33) United States of America	SYMONS, Peter
(33) France	(47) 08.07.2020	(74) J.M.H. Duyver lic.
(47) 10.06.2020	(51) H01L 31/078	(31) 201562254711 P
(51) H01L 29/66	(11) EP3378104	(32) 13.11.2015
H01L 29/786	(21) EP16797573.9	(33) United States of America
(11) EP3422419	(22) 17.11.2016	(47) 05.08.2020
(21) EP18179057.7	(54) SOLAR CELL HAVING A PLURALITY	(51) H01Q 3/00
(22) 21.06.2018	OF ABSORBERS CONNECTED	H04B 7/185
(54) THIN-FILM TRANSISTOR INCLUDING	TO ONE ANOTHER BY MEANS OF	G01S 19/13
OXIDE SEMICONDUCTOR LAYER,	CHARGE-CARRIER-SELECTIVE	G01S 19/27
METHOD OF MANUFACTURING THE	CONTACTS	G01S 19/34
SAME, AND DISPLAY APPARATUS	(73) Institut für Solarenergieforschung GmbH	(11) EP3420378
INCLUDING THE SAME	(72) PEIBST, Robby	(21) EP17755641.2
(73) LG Display Co., Ltd.	(74) J.M.H. Duyver lic.	(22) 24.02.2017
(72) Lee, HeeSung	(31) 102015015017	(54) TERMINAL SCHEDULING METHOD
Kim, SungKi	(32) 19.11.2015	IN SATELLITE COMMUNICATION
Kim, MinCheol	(33) Germany	SYSTEM
Kim, SeungJin	(47) 10.06.2020	(73) Myriota Pty Ltd
Park, JeeHo	(51) H01L 33/32	(72) HALEY, David, Victor, Lawrie
Im, Seoyeon	H01L 33/44	GRANT, Alexander, James
(74) ir. J.C. Volmer c.s.	H01L 33/64	(74) J.M.H. Duyver lic.
(31) 20170081022	(11) EP2863444	(31) 2016900685
20170136199	(21) EP14194356.3	(32) 25.02.2016
(32) 27.06.2017	(22) 31.03.2003	(33) Australia
20.10.2017	(54) Vertical structure LEDs	(47) 17.06.2020
(33) Korea (Republic)	(73) LG Innotek Co., Ltd.	(51) H02B 13/035
Korea (Republic)	(72) Lee, Jong-Lam	(11) EP2873126
(47) 26.08.2020	Jeong, In-Kwon	(21) EP13753829.4
(51) H01L 29/778	Yoo, Myung, Cheol	(22) 09.08.2013
(11) EP2282347	(74) J.M.H. Duyver lic.	(54) GAS-INSULATED SWITCHGEAR
(21) EP10189899.7	(31) 118316	(73) Siemens Aktiengesellschaft
(22) 11.04.2002	(32) 09.04.2002	(72) GRONBACH, Peter
(54) GROUP III NITRIDE BASED HIGH	(33) United States of America	NAST, Peter
ELECTRON MOBILITY TRANSISTOR	(47) 17.06.2020	WAHLE, Arno
(HEMT) WITH BARRIER/SPACER	(51) H01M 2/16	(74) ir. M.F.J.M. Ketelaars c.s.
LAYER	H01G 11/06	(31) 102012215246
(73) The Regents of the University of	H01G 11/24	(32) 28.08.2012
California	H01G 11/26	(33) Germany
Cree, Inc.	H01G 11/34	(47) 01.07.2020
(72) Smorchkova, Ioulia, P.	H01G 11/52	(51) H02H 7/26
Walukiewicz, Wladyslaw	(11) EP2950319	H02H 7/28
Chavarkar, Prashant	(21) EP14743981.4	(11) EP2701257
Wu, Yifeng	(22) 21.01.2014	(21) EP13180266.2
Keller, Stacia	(54) LITHIUM ION CAPACITOR	(22) 13.08.2013
Mishra, Umesh	(73) Asahi Kasei Kabushiki Kaisha	(54) Method for transporting power over a
(74) dr. A. Krebs	(72) OKADA, Nobuhiro	meshed power network
(31) 290195 P	SAITO, Osamu	(73) Bayernwerk AG
102272	NIIMURA, Kensuke	(72) Bauer, Thomas
(32) 11.05.2001	(74) J.M.H. Duyver lic.	Peine, Elmar
19.03.2002	(31) 2013009583	Welz, Uwe
(33) United States of America	(32) 22.01.2013	(74) ir. M.F.J.M. Ketelaars c.s.
United States of America	(33) Japan	(31) 102012214927
(47) 03.06.2020	(47) 12.08.2020	(32) 22.08.2012
(51) H01L 31/0392	(51) H01M 4/04	(33) Germany
H01L 31/046	H01M 4/20	(47) 01.07.2020
(11) EP3308404	H01M 4/88	(51) H02J 1/00
(21) EP16733184.2	H01M 4/96	H02K 1/27
(22) 08.06.2016	H01M 8/18	H02K 3/52
(54) METHOD OF DECREASING CRACK	H01M 4/133	H02K 21/22
PROPAGATION DAMAGE IN A SOLAR	(11) EP3375030	E05F 15/608
CELL DEVICE	(21) EP16864952.3	(11) EP3034762
(73) Flisom AG	(22) 09.11.2016	(21) EP14198703.2
(72) MEEDER, Alexander		(22) 17.12.2014

(54) Revolving door	(74) ir. W.J.J.M. Kempes	(73) Telefonaktiebolaget LM Ericsson (publ)
(73) dormakaba Deutschland GmbH	(31) 201514812827	(72) HANSEN, Jan
(72) Fabri, Daniel	(32) 29.07.2015	KNUTSSON, Hans
Busch, Sven	(33) United States of America	(74) ir. A. Blokland c.s.
(74) ir. J.D. de Zeeuw	(47) 17.06.2020	(47) 10.06.2020
(47) 10.06.2020	(51) H03M 5/04	(51) H04B 7/06
(51) H02J 3/16	H03M 5/16	(11) EP3371897
(11) EP3503335	H03M 7/02	(21) EP16810512.0
(21) EP19156510.0	H04L 25/49	(22) 03.11.2016
(22) 16.02.2012	(11) EP2460276	(54) BEAMFORMING REPORT STRUCTURE
(54) METHOD AND DEVICE FOR	(21) EP10737051.2	(73) Qualcomm Incorporated
STABILISING THE POWER SUPPLY	(22) 27.07.2010	(72) VERMANI, Sameer
OPERATION OF AN ENERGY SUPPLY	(54) ENCODING AND DECODING OF	TIAN, Bin
NETWORK	INFORMATION	CHEN, Jialing Li
(73) BOB Holding GmbH	(73) Ecole Polytechnique Fédérale de	(74) ir. M.F.J.M. Ketelaars c.s.
(72) BECK, Bernhard	Lausanne (EPFL)	(31) 201562250425 P
(74) drs. P.F.H.M. van Someren c.s.	(72) MARKRAM, Henry	201662322176 P
(31) 102011012695	(74) ir. W.J.J.M. Kempes	201662335007 P
(32) 01.03.2011	(31) PCT/EP2009/059757	201615341982
(33) Germany	(32) 28.07.2009	(32) 03.11.2015
(47) 03.06.2020	(33) World Intellectual Property Office (WIPO)	13.04.2016
(51) H02M 5/458	(47) 10.06.2020	11.05.2016
H02P 3/22	(51) H04B 1/44	02.11.2016
H02M 7/5387	H04Q 3/00	(33) United States of America
(11) EP3361618	(11) EP3540961	United States of America
(21) EP18156597.9	(21) EP18204576.5	United States of America
(22) 14.02.2018	(22) 06.11.2018	United States of America
(54) FIVE SWITCH TOPOLOGY	(54) MULTIWAY SWITCH, RADIO	(47) 15.07.2020
(73) ebm-papst Mulfingen GmbH & Co. KG	FREQUENCY SYSTEM, AND	(51) H04B 7/26
(72) Schroth, Sebastian	WIRELESS COMMUNICATION DEVICE	H04L 1/16
Weckert, Marco	(73) GUANGDONG OPPO MOBILE	H04L 1/18
Wiedmann, Georg	TELECOMMUNICATIONS CORP., LTD.	H04L 5/00
(74) ir. W.J.J.M. Kempes	(72) BAI, Jian	H04L 5/14
(31) 102017102955	(74) dr. W.A.H.M. Van Borm	H04L 27/26
(32) 14.02.2017	(31) 201810220770	H04L 27/36
(33) Germany	(32) 16.03.2018	H04W 88/02
(47) 19.08.2020	(33) China	(11) EP2624497
(51) H02P 21/00	(47) 05.08.2020	(21) EP11829551.8
H02P 27/04	(51) H04B 1/66	(22) 28.09.2011
H02P 29/00	G10L 19/00	(54) METHOD AND APPARATUS FOR
(11) EP2800269	(11) EP3474277	TRANSMITTING RECEPTION
(21) EP12861516.8	(21) EP18206651.4	CONFIRMATION IN WIRELESS
(22) 10.10.2012	(22) 06.04.2011	SYSTEM
(54) PERMANENT MAGNET MOTOR	(54) DECODER SYSTEM, DECODING	(73) LG Electronics Inc.
CONTROLLER	METHOD, AND RESPECTIVE	(72) SEO, Dong Youn
(73) Mitsubishi Heavy Industries, Ltd.	COMPUTER PROGRAM	KIM, Min Gyu
(72) YAMASHITA, Yukio	(73) Dolby International AB	YANG, Suck Chel
HAYASHI, Noriyuki	(72) PURNHAGEN, Heiko	AHN, Joon Kui
(74) mr.ir. F.N. Ferro	CARLSSON, Pontus	(74) ir. J.C. Volmer c.s.
(31) 2011286497	VILLEMOES, Lars	(31) 387459 P
(32) 27.12.2011	(74) J.M.H. Duyver lic.	(32) 28.09.2010
(33) Japan	(31) 32245810 P	(33) United States of America
(47) 19.08.2020	(32) 09.04.2010	(47) 02.09.2020
(51) H03D 3/00	(33) United States of America	(51) H04B 7/26
H04L 27/14	(47) 15.07.2020	H04W 52/02
H04L 27/152	(51) H04B 3/50	(11) EP2740226
H04L 27/156	H04L 12/10	(21) EP12807727.8
(11) EP3329646	H04L 12/28	(22) 27.06.2012
(21) EP16831075.3	H04L 12/64	(54) COMMUNICATION STATE
(22) 20.07.2016	H04M 19/00	TRANSITIONING CONTROL
(54) FSK DECODING USING ENVELOP	H04M 19/08	(73) Intel Corporation
COMPARISON IN THE DIGITAL	(11) EP3322099	(72) GUPTA, Maruti
DOMAIN	(21) EP17210100.8	KOC, Ali, T.
(73) Honeywell International Inc.	(22) 16.03.2007	VANNITHAMBY, Rath
(72) GUDI, Balakrishna G.	(54) METHOD AND APPARATUS FOR	(74) ir. A.R. Aalbers
KN, Dinesh Kumar	PROVIDING ELECTRICAL POWER TO	(31) 201161504054 P
SATHYANARAYANA, Aravind	A BROADBAND DIGITAL SUBSCRIBER	201161542086 P
PAI, Sandeep	LINE ACCESS	201213528492

(32) 01.07.2011	(73) Sony Corporation	United States of America
30.09.2011	(72) WONG, Shin Hornng	United States of America
20.06.2012	(74) ir. W.J.J.M. Kempes	United States of America
(33) United States of America	(31) 15186962	(47) 02.09.2020
United States of America	(32) 25.09.2015	(51) H04L 1/18
United States of America	(33) European Patent Office (EPO)	H04L 5/00
(47) 17.06.2020	(47) 12.08.2020	H04W 52/02
(51) H04J 11/00	(51) H04L 1/18	H04W 74/08
H04L 5/00	(11) EP2770660	(11) EP3544215
H04B 17/373	(21) EP14168955.4	(21) EP19174120.6
H04B 7/02	(22) 02.05.2008	(22) 30.11.2017
(11) EP2941835	(54) Method and apparatus for transmitting	(54) METHOD AND APPARATUS FOR
(21) EP14735299.1	and receiving packet data between	TRANSMITTING AND RECEIVING
(22) 07.01.2014	a node B and a UE in a mobile	DATA IN WIRELESS COMMUNICATION
(54) METHOD AND APPARATUS FOR	communication system	SYSTEM
CONFIGURING CONFIGURATION	(73) Samsung Electronics Co., Ltd	(73) Samsung Electronics Co., Ltd.
INFORMATION AT USER EQUIPMENT	(72) Kim, Soeng-Hun	(72) Kim, Youngbum
IN A MOBILE COMMUNICATION	Heo, Youn-Hyoung	Lee, Juho
SYSTEM	Jeong, Kyeong-In	(74) ir. M.F.J.M. Ketelaars c.s.
(73) Samsung Electronics Co., Ltd.	(74) ir. M.F.J.M. Ketelaars c.s.	(31) 20160162268
(72) JEONG, Kyeong-In	(31) 20070042607	(32) 30.11.2016
VAN LIESHOUT, Gert Jan	(32) 02.05.2007	(33) Korea (Republic)
LEE, Hyo-Jin	(33) Korea (Republic)	(47) 12.08.2020
(74) ir. M.F.J.M. Ketelaars c.s.	(47) 29.07.2020	(51) H04L 5/00
(31) 20130001750	(51) H04L 1/18	H04L 29/06
(32) 07.01.2013	H04L 5/00	H04W 74/08
(33) Korea (Republic)	H04W 4/021	(11) EP3295600
(47) 08.07.2020	H04W 4/70	(21) EP16792991.8
(51) H04J 13/18	(11) EP3026829	(22) 11.05.2016
H04J 99/00	(21) EP14829013.3	(54) METHOD FOR PERFORMING A
H04W 16/28	(22) 28.07.2014	LOGICAL CHANNEL PRIORITIZATION
H04B 7/04	(54) METHOD FOR TRANSMITTING	IN A CARRIER AGGREGATION WITH
(11) EP3364577	SIGNAL FOR MTC AND APPARATUS	AT LEAST ONE SCELL OPERATING IN
(21) EP18161917.2	FOR SAME	AN UNLICENSED SPECTRUM AND A
(22) 30.09.2010	(73) LG Electronics Inc.	DEVICE THEREFOR
(54) TERMINAL STATION APPARATUS,	(72) YANG, Suckchel	(73) LG Electronics Inc.
BASE STATION APPARATUS,	AHN, Joonkui	(72) YI, Seungjune
TRANSMISSION METHOD AND	YI, Yunjung	LEE, Sunyoung
CONTROL METHOD	YOU, Hyangsun	(74) J.M.H. Duyver lic.
(73) Sun Patent Trust	KIM, Bonghoe	(31) 201562160577 P
(72) OGAWA, Yoshihiko	(74) ir. J.C. Volmer c.s.	(32) 12.05.2015
NISHIO, Akihiko	(31) 201361858633 P	(33) United States of America
IWAI, Takashi	201361894904 P	(47) 05.08.2020
NAKAO, Seigo	201361897200 P	(51) H04L 5/00
IMAMURA, Daichi	201361902138 P	H04W 28/04
SUMASU, Atsushi	201361903413 P	H04W 28/06
(74) ir. W.J.J.M. Kempes	201361903920 P	H04W 72/04
(31) 2009229649	201361906424 P	(11) EP3291599
2010086141	201361910970 P	(21) EP16786292.9
(32) 01.10.2009	201361919825 P	(22) 08.04.2016
02.04.2010	201461936885 P	(54) USER DEVICE AND BASE STATION
(33) Japan	(32) 26.07.2013	(73) NTT DOCOMO, INC.
Japan	23.10.2013	(72) KISHIYAMA, Yoshihisa
(47) 24.06.2020	29.10.2013	TATEISHI, Kiichi
(51) H04L 1/16	08.11.2013	(74) mr.ir. F.N. Ferro
H04L 1/18	13.11.2013	(31) 2015092374
H04L 5/00	13.11.2013	(32) 28.04.2015
H04W 72/04	20.11.2013	(33) Japan
H04W 74/00	03.12.2013	(47) 19.08.2020
(11) EP3348103	23.12.2013	(51) H04L 9/08
(21) EP16770013.7	07.02.2014	H04L 29/06
(22) 22.09.2016	(33) United States of America	H04L 29/08
(54) METHOD FOR INDICATING THE	United States of America	(11) EP3556045
ALLOCATED RESOURCES FOR A	United States of America	(21) EP17821863.2
HARQ MESSAGE IN A RANDOM	United States of America	(22) 13.12.2017
ACCESS PROCEDURE FOR A LOW-	United States of America	(54) P2P NETWORK DATA DISTRIBUTION
COMPLEXITY, NARROWBAND	United States of America	AND RETRIEVAL USING BLOCKCHAIN
TERMINAL	United States of America	LOG

(73) Luxembourg Institute of Science and Technology (LIST)	(47) 08.07.2020	G06F 21/31
(72) ROTH, Uwe	(51) H04L 12/58	(11) EP3223184
(74) ir. W.J.J.M. Kempes	(11) EP3430772	(21) EP15861101.2
(31) 93377	(21) EP17713460.8	(22) 11.11.2015
(32) 15.12.2016	(22) 16.03.2017	(54) METHOD AND DEVICE FOR VERIFYING IDENTITY INFORMATION
(33) Luxembourg	(54) MESSAGE TRANSFER SYSTEM, METHOD OF TRANSFERRING MESSAGES AND SOFTWARE PRODUCT	(73) Alibaba Group Holding Limited
(47) 17.06.2020	(73) Webtext Holdings Limited	(72) LV, Gengmin
(51) H04L 9/14	(72) CAHILL, Anthony	(74) J.M.H. Duyver lic.
H04L 29/06	KEATING, Colm	(31) 201410677594
H04W 12/04	SLYNE, Frank	(32) 21.11.2014
(11) EP3490218	KELLY, Hugh	(33) China
(21) EP18202546.0	(74) dr. W.A.H.M. Van Borm	(47) 09.09.2020
(22) 30.01.2014	(31) 201615072440	(51) H04N 7/18
(54) SECURITY KEY GENERATION FOR DUAL CONNECTIVITY	(32) 17.03.2016	(11) EP2243294
(73) Telefonaktiebolaget LM Ericsson (publ)	(33) United States of America	(21) EP08842155.7
(72) WAGER, Stefan	(47) 12.08.2020	(22) 18.11.2008
NORRMAN, Karl	(51) H04L 12/58	(54) SECURE IMPLEMENTATION OF NETWORK-BASED SENSORS
JOHANSSON, Niklas	G06F 3/0362	(73) Waterfall Security Solutions Ltd.
TEYEB, Oumer	G06F 3/0482	(72) FRENKEL, Lior
VIRKKI, Vesa	G06F 3/0484	ZILBERSTEIN, Amir
(74) ir. A. Blokland c.s.	G06F 3/0485	(74) ir. W.J.J.M. Kempes
(31) 201361758373 P	G06F 3/0488	(31) 977391
(32) 30.01.2013	(11) EP3401770	(32) 24.10.2007
(33) United States of America	(21) EP17206177.2	(33) United States of America
(47) 22.07.2020	(22) 08.12.2017	(47) 08.07.2020
(51) H04L 12/22	(54) CONTEXT-SPECIFIC USER INTERFACES	(51) H04N 19/117
H04W 4/06	(73) Apple Inc.	H04N 19/14
H04W 12/02	(72) KO, Heena	H04N 19/176
H04W 12/06	AGNOLI, Giovanni M.	H04N 19/182
H04W 52/02	CHEN, Kevin Will	H04N 19/42
H04W 84/10	FORD, Joshua	H04N 19/46
H04W 84/18	FOSS, Christopher Patrick	H04N 19/61
H04W 4/00	GUZMAN, Aurelio	H04N 19/70
H04W 4/80	LEMAY, Stephen O.	H04N 19/82
(11) EP3442250	SUNDSTROM, Matthew J.	H04N 19/85
(21) EP18190341.0	WEINBERG, Joshua	(11) EP2679008
(22) 21.04.2015	WILSON, Christopher	(21) EP12706179.4
(54) DATA TRANSMISSION	SCHIMON, David	(22) 22.02.2012
(73) Alibaba Group Holding Limited	(74) ir. J.C. Volmer c.s.	(54) MULTI-METRIC FILTERING
(72) PANG, Lei	(31) 201762505782 P	(73) QUALCOMM INCORPORATED
(74) dr. A. Krebs	201770397	(72) CHONG, In Suk
(31) 201410171551	(32) 12.05.2017	KARCZEWICZ, Marta
(32) 25.04.2014	29.05.2017	(74) ir. M.F.J.M. Ketelaars c.s.
(33) China	(33) United States of America	(31) 201161445967 P
(47) 03.06.2020	Denmark	201161448771 P
(51) H04L 12/24	(47) 02.09.2020	201161473713 P
H04L 12/26	(51) H04L 29/06	201161476260 P
H04M 11/06	G06F 21/32	201161478287 P
(11) EP1932076	(11) EP3319292	201161503426 P
(21) EP06816102.5	(21) EP16817193.2	201161503434 P
(22) 03.10.2006	(22) 23.06.2016	201161503440 P
(54) DSL SYSTEM	(54) METHODS, CLIENT AND SERVER FOR CHECKING SECURITY BASED ON BIOMETRIC FEATURES	201161527463 P
(73) ASSIA SPE, LLC	(73) Alibaba Group Holding Limited	201161531571 P
(72) CIOFFI, John, M.	(72) LIN, Junsui	201213401552
RHEE, Wonjong	(74) dr. W.A.H.M. Van Borm	(32) 23.02.2011
GINIS, Georgios	(31) 201510394393	03.03.2011
JAGANNATHAN, Sumanth	(32) 02.07.2015	08.04.2011
SILVERMAN, Peter, J.	(33) China	16.04.2011
MOHSENI, Mehdi	(47) 26.08.2020	22.04.2011
(74) ir. M.F.J.M. Ketelaars c.s.	(51) H04L 29/06	30.06.2011
(31) 723415 P	H04W 12/06	30.06.2011
839093 P	H04W 12/12	30.06.2011
(32) 04.10.2005		25.08.2011
21.08.2006		06.09.2011
(33) United States of America		21.02.2012
United States of America		(33) United States of America

United States of America	(73) Nokia Technologies Oy	G01R 31/36
United States of America	(72) KOSKINEN, Jussi-Pekka	(11) EP3170346
United States of America	KESKITALO, Ilkka	(21) EP15821689.5
United States of America	KOSKELA, Jarkko	(22) 08.07.2015
United States of America	DALSGAARD, Lars	(54) METHOD AND SYSTEM FOR
United States of America	KAIKKONEN, Jorma	CALCULATING ACCURATE BATTERY
United States of America	HWANG, Woonhee	PERCENTAGE USAGE IN WIRELESS
United States of America	(74) dr. W.A.H.M. Van Borm	FIELD DEVICES
United States of America	(31) 201261636189 P	(73) Honeywell International Inc.
United States of America	(32) 20.04.2012	(72) SHETTY, Udaya
United States of America	(33) United States of America	SAMUDRALA, Prasad
(47) 08.07.2020	(47) 15.07.2020	RARAVI, Channabasavaraj
(51) H04N 21/2662	(51) H04W 28/02	SWANSON, Norman
H04N 21/61	H04W 72/12	(74) ir. W.J.J.M. Kempes
H04N 21/647	(11) EP3576480	(31) 201414333610
H04N 21/6583	(21) EP19188541.7	(32) 17.07.2014
H04N 19/895	(22) 16.03.2018	(33) United States of America
(11) EP1938609	(54) TRUNCATED BUFFER STATUS	(47) 08.07.2020
(21) EP06839497.2	REPORTING	(51) H04W 64/00
(22) 20.10.2006	(73) Ofinno, LLC	(11) EP3177088
(54) VIDEO ERROR CONTROL BASED ON	(72) DINAN, Esmael	(21) EP16194941.7
REVERSE LINK INFORMATION	BABAEI, Alireza	(22) 20.10.2016
(73) QUALCOMM Incorporated	(74) ir. W.J.J.M. Kempes	(54) REFERENCE SIGNAL
(72) LEE, Yen-chi	(31) 201762472029 P	MEASUREMENTS
LOTT, Christopher Gerard	(32) 16.03.2017	(73) Intel IP Corporation
TINNAKORNSRISUPHAP, Peerapol	(33) United States of America	(72) YU, Zhibin
GUPTA, Vikram	(47) 24.06.2020	PU, Tianyan
(74) ir. M.F.J.M. Ketelaars c.s.	(51) H04W 28/08	XU, Qing
(31) 729017 P	H04W 88/06	(74) ir. W.J.J.M. Kempes
315399	H04W 88/10	(31) 201514956415
454475	(11) EP3031236	(32) 02.12.2015
(32) 21.10.2005	(21) EP14758443.7	(33) United States of America
21.12.2005	(22) 08.08.2014	(47) 24.06.2020
15.06.2006	(54) DISJOINT BEARER ROUTING	(51) H04W 72/02
(33) United States of America	(73) Qualcomm Incorporated	H04W 72/08
United States of America	(72) OZTURK, Ozcan	(11) EP3241393
United States of America	HORN, Gavin Bernard	(21) EP15823513.5
(47) 08.07.2020	JAIN, Vikas	(22) 28.12.2015
(51) H04S 7/00	(74) ir. M.F.J.M. Ketelaars c.s.	(54) METHOD AND SYSTEM FOR
(11) EP3342188	(31) 201361864298 P	MANAGING RADIO RESOURCES IN A
(21) EP16760281.2	201414454449	MOBILE COMMUNICATION NETWORK
(22) 23.08.2016	(32) 09.08.2013	(73) THALES
(54) AUDIO DECODER AND DECODING	07.08.2014	(72) HAZIZA, Nathalie
METHOD	(33) United States of America	LAMY-BERGOT, Catherine
(73) Dolby Laboratories Licensing Corporation	United States of America	PAINCHAULT, Rémi
Dolby International AB	(47) 08.07.2020	(74) ir. H.A. Witmans c.s.
(72) BREEBAART, Dirk Jeroen	(51) H04W 28/22	(31) 1403022
COOPER, David Matthew	H04W 72/12	(32) 29.12.2014
SAMUELSSON, Leif Jonas	H04W 72/14	(33) France
(74) J.M.H. Duyver lic.	H04L 12/801	(47) 20.05.2020
(31) 201562209742 P	H04L 12/825	(51) H04W 72/02
15189008	(11) EP1712036	H04W 74/08
(32) 25.08.2015	(21) EP04806378.8	(11) EP3488656
08.10.2015	(22) 17.12.2004	(21) EP17734962.8
(33) United States of America	(54) METHOD AND APPARATUS FOR FAST	(22) 23.06.2017
European Patent Office (EPO)	DATA RATE RAMP UP IN NODE B	(54) LATENCY REDUCTION TECHNIQUES
(47) 12.08.2020	SCHEDULING OF UE UPLINK	FOR LTE TRANSMISSION IN
(51) H04W 24/02	(73) SISVEL International S.A.	UNLICENSED SPECTRUM
H04W 36/00	(72) RANTA-AHO, Karri	(73) Qualcomm Incorporated
H04W 36/32	HENTTONEN, Tero	(72) YERRAMALLI, Srinivas
H04W 48/20	(74) ir. C.G.C. Veldman-Dijkers	CHEN, Wanshi
H04W 64/00	(31) 764143	SUN, Jing
(11) EP2839694	(32) 23.01.2004	GAAL, Peter
(21) EP13778643.0	(33) United States of America	(74) ir. M.F.J.M. Ketelaars c.s.
(22) 19.04.2013	(47) 01.07.2020	(31) 201662366488 P
(54) UE REPORTING OF MOBILITY	(51) H04W 52/02	201715630689
INFORMATION USEFUL FOR	G01R 31/367	(32) 25.07.2016
OPTIMIZING UE PARAMETER	G01R 31/382	22.06.2017
SETTINGS		

- (33) United States of America
United States of America
(47) 15.07.2020
-
- (51) H04W 72/12
H04W 74/02
H04W 74/08
(11) EP3253145
(21) EP15879938.7
(22) 28.01.2015
(54) WIRELESS COMMUNICATION
SYSTEM, BASE STATION APPARATUS
AND TERMINAL APPARATUS
(73) Fujitsu Limited
(72) TANAKA, Yoshinori
(74) ir. C.G.C. Veldman-Dijkers
(47) 02.09.2020
-
- (51) H04W 74/00
H04W 74/08
(11) EP3320743
(21) EP16729082.4
(22) 10.05.2016
(54) TRANSMITTING NODE AND METHOD
THEREIN FOR PERFORMING DATA
TRANSMISSIONS TO AT LEAST
ONE RECEIVING NODE ON A
RADIO CHANNEL IN A WIRELESS
COMMUNICATIONS NETWORK
(73) Telefonaktiebolaget LM Ericsson (publ)
(72) KANG, Du Ho Kang
LARSSON, Daniel
HIERTZ, Guido
FALCONETTI, Laetitia
FURUSKÄR, Anders
FALAHATI, Sorour
KOORAPATY, Havish
CHENG, Jung-Fu
(74) ir. M.F.J.M. Ketelaars c.s.
(31) 201562188883 P
(32) 06.07.2015
(33) United States of America
(47) 08.07.2020
-

EP4

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

- (51) C07D 489/00
C07D 489/08
 - (11) EP1730151
 - (21) EP05730345.5
 - (22) 30.03.2005
 - (54) PROCESS FOR PREPARING
OXYCODONE HYDROCHLORIDE
HAVING LESS THAN 25 PPM 14-
HYDROXYCODEINONE
 - (73) EURO-CELTIQUE S.A.
 - (72) CHAPMAN, Robert
RIDER, Lonn, S.
HONG, Qi
KYLE, Donald
KUPPER, Robert
 - (31) 557492 P
601534 P
620072 P
648625 P
651778 P
 - (32) 30.03.2004
13.08.2004
18.10.2004
31.01.2005
10.02.2005
 - (33) United States of America
United States of America
United States of America
United States of America
United States of America
 - (47) 09.03.2011
-

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 39/395	(51) B05D 3/06
(11) EP2311869	B05D 7/08
(21) EP10011810.8	E04F 15/00
(22) 30.01.2003	(11) EP1756381
(54) Use of mammalian cytokine-related reagents	(21) EP05746316.8
(73) Merck Sharp & Dohme Corp.	(22) 30.05.2005
(72) De Waal Malefyt, Rene	(54) PANEL OF A WOODEN MATERIAL WITH A SURFACE COATING
Liu, Yong-Yun	(73) SWISS KRONO Tec AG
Nagalakshmi, Marehalli L.	(72) BRAUN, Roger
Watanabe, Norihiko	(74) ir. J.C. Volmer c.s.
Soumelis, Vassili	(31) 102004026739
Yuan, Wei	102004027757
(74) ir. H.A. Witmans c.s.	102005001363
(31) 353509 P	102005002059
(32) 01.02.2002	(32) 28.05.2004
(33) United States of America	08.06.2004
(47) 19.12.2012	11.01.2005
	14.01.2005
(51) A61K 47/48	(33) Germany
C12N 15/113	Germany
(11) EP2351852	Germany
(21) EP10179947.6	Germany
(22) 29.11.2001	(47) 20.02.2013
(54) RNA interference mediating small RNA molecules	
(73) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	
Europäisches Laboratorium für Molekularbiologie (EMBL)	
(72) Tuschl, Thomas	
Elbashir, Sayda	
Lendeckel, Winfried	
Wilm, Matthias	
Lührmann, Reinhard	
(74) ir. F.A. Geurts c.s.	
(31) 279661 P	
00126325	
(32) 30.03.2001	
01.12.2000	
(33) United States of America	
European Patent Office (EPO)	
(47) 02.10.2013	
(51) A61M 15/00	
(11) EP1610850	
(21) EP04759324.9	
(22) 09.04.2004	
(54) AEROSOLIZATION APPARATUS WITH AIR INLET SHIELD	
(73) Novartis AG	
(72) DUNKLEY, Michael John	
TUCKWELL, Jonathan David	
SHIRGAONKAR, Sameer	
(74) mr. ir. J. van Breda c.s.	
(31) 461679 P	
(32) 09.04.2003	
(33) United States of America	
(47) 14.03.2012	

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

(21) 300618	(54) Hydroxyl compounds and compositions for cholesterol management and related uses
(22) 04.10.2013	(94) 22.12.2028
(11) 300618	(95) Bempedonzuur, of een farmaceutisch aanvaardbaar zout, hydraat, solvaat of mengsel daarvan
(73) Mitsubishi Tanabe Pharma Corporation	(93) EU/1/20/1424 31.03.2020
(74) drs. P.F.H.M. van Someren c.s.	(47) 10.09.2020
(68) EP1219609	
(54) Aromatische stikstof bevattende zesring verbindingen.	(21) 301063
(94) 12.09.2025	(22) 09.09.2020
(95) Avanafil.	(11) 301063
(93) EU/1/13/841 21.06.2013	(74) ir. M.F.J.M. Ketelaars c.s.
(47) 29.10.2013	(68) EP3078743
(21) 301041	(54) ANTIDOTES FOR FACTOR XA INHIBITORS AND METHODS OF USING THE SAME
(22) 11.05.2020	(94) 1826
(11) 301041	(95) Andexanet alfa
(73) Orion Corporation	(93) EU/1/18/1345 30.04.2019
(74) ir. F.A. Geurts c.s.	
(68) EP2493858	
(54) ANDROGEN RECEPTOR MODULATING COMPOUNDS.	
(94) 29.03.2035	
(95) Darolutamide, desgewenst in de vorm van een farmaceutisch aanvaardbaar zout daarvan of in de vorm van een farmaceutisch aanvaardbare ester daarvan	
(93) EU/1/20/1432 30.03.2020	
(47) 14.09.2020	
(21) 301049	
(22) 24.06.2020	
(11) 301049	
(73) Anacor Pharmaceuticals, Inc.	
(74) ir. M.F.J.M. Ketelaars c.s.	
(68) EP2343304	
(54) Biocidal boronophthalide compounds.	
(94) 15.02.2031	
(95) crisaborole, desgewenst in de vorm van een farmaceutisch aanvaardbaar zout	
(93) EU/1/19/1421 01.04.2020	
(47) 10.09.2020	
(21) 301057	
(22) 15.07.2020	
(11) 301057	
(73) Pfizer Inc.	
(74) ir. M.F.J.M. Ketelaars c.s.	
(68) EP2170860	
(54) BENZIMIDAZOLE DERIVATIVES	
(94) 15.06.2033	
(95) Glasdegib, desgewenst in de vorm van een farmaceutisch aanvaardbaar zout, met inbegrip van het maleaatzout	
(93) EU/1/20/1451/001-004 26.06.2020	
(47) 10.09.2020	
(21) 301062	
(22) 28.08.2020	
(11) 301062	
(73) Esperion Therapeutics Inc.	
(74) ir. H.A. Witmans c.s.	
(68) EP2404890	

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) EP1591105	(51) A61B 5/024	C07C 63/06
(51) A61K 8/31	A61B 5/0402	C07C 65/10
A61K 8/34	(00) 45/19	C07C 211/63
A61K 8/35	06.11.2019	C07C 215/40
A61K 8/36	(11) EP2922414	C07C 217/28
A61K 8/365	(51) A23L 33/00	C08F 10/10
A61K 8/44	A23L 33/175	C10L 1/222
A61K 8/49	(00) 46/19	C10L 10/18
A61K 8/67	13.11.2019	(00) 47/19
A61Q 17/04	(11) EP2994317	20.11.2019
A61K 8/97	(51) G02B 5/18	(11) EP3286097
A61K 8/9789	B42D 25/30	(51) B65D 6/18
A61K 8/9794	B42D 25/328	(00) 31/20
(00) 22/20	G07D 7/12	31.07.2020
27.05.2020	(00) 47/19	(11) EP3288931
(11) EP2153968	20.11.2019	(51) A61K 31/437
(51) B29C 44/34	(11) EP3013159	A61K 31/4375
B29C 44/38	(51) A23J 3/08	A61P 29/00
B29C 44/60	A23J 3/34	A61P 35/00
B29K 75/00	A23J 7/00	C07D 401/14
(00) 43/19	A23L 33/00	C07D 471/12
23.10.2019	A23L 33/10	C07D 487/04
(11) EP2224366	A23L 33/17	C07D 487/10
(51) A61B 5/00	(00) 47/19	(00) 45/19
A61B 5/021	20.11.2019	06.11.2019
A61B 5/024	(11) EP3033371	(11) EP3302565
A61B 5/0432	(51) C08G 59/50	(51) A61K 9/20
A61B 5/08	(00) 45/19	A61K 9/28
A61B 5/145	06.11.2019	A61K 31/4439
H04L 29/06	(11) EP3048153	A61K 31/519
H04L 29/08	(51) C04B 35/01	A61K 47/12
H04W 24/00	C04B 35/462	(00) 45/19
H04W 80/04	C04B 35/622	06.11.2019
H04W 84/12	C04B 35/626	(11) EP3349526
H04W 84/18	C04B 35/628	(51) H04L 5/00
G16H 20/30	C04B 35/634	H04L 29/08
G16H 40/63	C04B 35/80	H04W 72/04
G16H 40/67	F16D 69/02	H04W 72/12
(00) 08/20	(00) 45/19	(00) 47/19
19.02.2020	06.11.2019	20.11.2019
(11) EP2298242	(11) EP3114349	(11) EP3356459
(51) A61F 2/16	(51) F03G 4/00	(51) C08K 5/00
A61F 9/007	F24T 10/00	C08K 5/11
(00) 14/20	(00) 45/19	C08L 27/06
01.04.2020	06.11.2019	(00) 47/19
(11) EP2558153	(11) EP3117489	20.11.2019
(51) A61M 5/32	(51) H01R 13/514	(11) EP3363807
A61M 25/06	H01R 13/627	(51) A61K 31/70
(00) 53/19	H01R 13/629	A61K 31/7034
01.01.2020	H01R 13/64	A61K 45/06
(11) EP2877502	H01R 13/645	A61P 3/10
(51) C08F 2/00	(00) 47/19	C07H 7/04
C08F 4/6592	20.11.2019	C07H 15/207
C08F 10/02	(11) EP3174847	(00) 47/19
C08L 23/06	(51) C07C 53/10	20.11.2019
(00) 46/19	C07C 57/12	(11) EP3386994
13.11.2019	C07C 57/13	(51) A61K 31/6615
(11) EP2908720	C07C 61/00	A61P 31/04

C07F 9/177
(00) 50/19
11.12.2019

(11) EP3404232
(51) F02B 75/04
F16C 7/06
F16K 15/02
(00) 47/19
20.11.2019

(11) EP3512616
(51) B01D 15/18
G01N 30/60
G01N 30/86
(00) 47/19
20.11.2019

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) EP2018441

(51) C12Q 1/68

(00) 2012/37

12.09.2012

(11) EP2040671

(51) A61K 9/00

A61K 9/14

A61K 31/505

A61P 31/18

A61K 47/10

A61K 47/34

(00) 49/18

28.11.2018

(11) EP2232455

(51) G01R 31/02

G08B 25/06

G08B 29/06

G08B 29/08

(11) EP2287073

(51) A01K 73/02

A63G 31/00

B64D 23/00

(00) 2015/08

18.02.2015

(11) EP2617538

(51) B26D 1/30

B26D 7/00

B26D 7/01

(00) 2014/50

10.12.2014

(11) EP2794938

(51) C21D 10/00

C22F 3/00

(11) EP2981275

(51) A61K 36/09

A61P 1/04

(00) 46/19

13.11.2019

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

(11) 1023776
(00) 12.08.2020
(51) B25J 9/02
 B25J 19/00
(00) Established

(11) 1038387
(00) 02.09.2020
(51) E03C 1/00
 F24D 17/00
 F28D 7/04
(00) Pre-judgement attachement

(11) 2018907
(00) 12.08.2020
(51) B65H 3/08
 B65H 1/14
 B65H 1/28
 B65H 5/08
 B65H 5/16
(00) Established

(11) EP1730151
(51) C07D 489/00
 C07D 489/08

(11) EP2209022
(00) 26.08.2020
(51) G01V 1/38
(00) New licence registration

(11) EP2453194
(00) 02.09.2020
(51) F28D 7/02
(00) Pre-judgement attachement

(11) EP2996062
(00) 08.09.2020
(51) G06F 21/56
 G06F 21/60
(00) Total - Renunciation

(11) EP3256398
(00) 24.08.2020
(51) B65D 75/58
(00) New licence registration

VRV

Verval of nietigverklaring.

Contains data concerning lapse or annulment.

(11) 1016148	(00) Patent Expired	(00) Patent Expired
(00) 11.09.2020	(11) EP1141187	(11) EP1219609
(00) Patent Expired	(00) 13.09.2020	(00) 13.09.2020
(11) 1016157	(00) Patent Expired	(00) Patent Expired
(00) 12.09.2020	(11) EP1172304	(11) EP1220848
(00) Patent Expired	(00) 12.09.2020	(00) 12.09.2020
(11) 1016165	(00) Patent Expired	(00) Patent Expired
(00) 13.09.2020	(11) EP1188690	(11) EP1222207
(00) Patent Expired	(00) 15.09.2020	(00) 15.09.2020
(11) 1016186	(00) Patent Expired	(00) Patent Expired
(00) 14.09.2020	(11) EP1206791	(11) EP1224266
(00) Patent Expired	(00) 16.09.2020	(00) 14.09.2020
(11) 2024513	(00) Patent Expired	(00) Patent Expired
(00) 01.09.2020	(11) EP1210441	(11) EP1224621
(00) Application Withdrawn	(00) 11.09.2020	(00) 13.09.2020
(11) 2024752	(00) Patent Expired	(00) Patent Expired
(00) 01.09.2020	(11) EP1212072	(11) EP1224685
(00) Application Withdrawn	(00) 12.09.2020	(00) 12.09.2020
(11) EP1084621	(00) Patent Expired	(00) Patent Expired
(00) 12.09.2020	(11) EP1212332	(11) EP1230092
(00) Patent Expired	(00) 15.09.2020	(00) 14.09.2020
(11) EP1084689	(00) Patent Expired	(00) Patent Expired
(00) 13.09.2020	(11) EP1212542	(11) EP1230198
(00) Patent Expired	(00) 12.09.2020	(00) 15.09.2020
(11) EP1084980	(00) Patent Expired	(00) Patent Expired
(00) 13.09.2020	(11) EP1212580	(11) EP1263655
(00) Patent Expired	(00) 15.09.2020	(00) 15.09.2020
(11) EP1084986	(00) Patent Expired	(00) Patent Expired
(00) 13.09.2020	(11) EP1212879	(11) EP1277819
(00) Patent Expired	(00) 14.09.2020	(00) 15.09.2020
(11) EP1085109	(00) Patent Expired	(00) Patent Expired
(00) 14.09.2020	(11) EP1212918	(11) EP1308108
(00) Patent Expired	(00) 15.09.2020	(00) 14.09.2020
(11) EP1085153	(00) Patent Expired	(00) Patent Expired
(00) 16.09.2020	(11) EP1213353	(11) EP1318132
(00) Patent Expired	(00) 13.09.2020	(00) 11.09.2020
(11) EP1085443	(00) Patent Expired	(00) Patent Expired
(00) 14.09.2020	(11) EP1214501	(11) EP1318133
(00) Patent Expired	(00) 12.09.2020	(00) 11.09.2020
(11) EP1085481	(00) Patent Expired	(00) Patent Expired
(00) 13.09.2020	(11) EP1215965	(11) EP1318134
(00) Patent Expired	(00) 14.09.2020	(00) 11.09.2020
(11) EP1085623	(00) Patent Expired	(00) Patent Expired
(00) 15.09.2020	(11) EP1216034	(11) EP1318135
(00) Patent Expired	(00) 13.09.2020	(00) 11.09.2020
(11) EP1085745	(00) Patent Expired	(00) Patent Expired
(00) 15.09.2020	(11) EP1216246	(11) EP1387255
(00) Patent Expired	(00) 11.09.2020	(00) 08.04.2020
(11) EP1085790	(00) Patent Expired	(00) EPV Ceased Effect
(00) 15.09.2020	(11) EP1216253	(11) EP1420042
(00) Patent Expired	(00) 11.09.2020	(00) 08.04.2020
(11) EP1090653	(00) Patent Expired	(00) EPV Ceased Effect
(00) 15.09.2020	(11) EP1216493	(11) EP1430679
(00) Patent Expired	(00) 12.09.2020	(00) 08.04.2020
(11) EP1131512	(00) Patent Expired	(00) EPV Ceased Effect
(00) 12.09.2020	(11) EP1218047	(11) EP1458798
(00) Patent Expired	(00) 15.09.2020	(00) 08.04.2020
(11) EP1131525	(00) Patent Expired	(00) EPV Ceased Effect
(00) 15.09.2020	(11) EP1218093	(11) EP1560154
	(00) 14.09.2020	(00) 11.09.2020

(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1574845	(11) EP1993796	(11) EP2152421
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1581817	(11) EP1995519	(11) EP2155114
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1679589	(11) EP2022217	(11) EP2156631
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1687144	(11) EP2040165	(11) EP2162827
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1760927	(11) EP2046495	(11) EP2170025
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1825665	(11) EP2047011	(11) EP2182413
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1846341	(11) EP2071180	(11) EP2185333
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1846757	(11) EP2075235	(11) EP2190797
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1849100	(11) EP2077779	(11) EP2203173
(00) 08.04.2020	(00) 08.04.2020	(00) 28.07.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP1849139	(11) EP2078961	(11) EP2203675
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1887102	(11) EP2080147	(11) EP2212634
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1918873	(11) EP2081296	(11) EP2214096
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1928310	(11) EP2091116	(11) EP2219273
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1942575	(11) EP2092827	(11) EP2221589
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1949009	(11) EP2098023	(11) EP2221873
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1949242	(11) EP2100284	(11) EP2224091
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1950978	(11) EP2107950	(11) EP2225707
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1951432	(11) EP2108107	(11) EP2233060
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1953969	(11) EP2114673	(11) EP2233576
(00) 08.04.2020	(00) 26.06.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP1961805	(11) EP2119298	(11) EP2234963
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1964749	(11) EP2128958	(11) EP2243952
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP1965156	(11) EP2148112	(11) EP2244136
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2245973	(11) EP2293480	(11) EP2331639
(00) 08.04.2020	(00) 15.09.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP2247441	(11) EP2294932	(11) EP2333523
(00) 08.04.2020	(00) 01.07.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP2247675	(11) EP2295832	(11) EP2334434
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2254078	(11) EP2296095	(11) EP2335739
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2255151	(11) EP2296743	(11) EP2338145
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2259300	(11) EP2298224	(11) EP2340603
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2259310	(11) EP2298437	(11) EP2342788
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2259395	(11) EP2299937	(11) EP2347591
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2261754	(11) EP2301870	(11) EP2349033
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2263118	(11) EP2308786	(11) EP2353640
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2271858	(11) EP2312468	(11) EP2356772
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2277168	(11) EP2314822	(11) EP2359372
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2279241	(11) EP2318331	(11) EP2359748
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2281047	(11) EP2318913	(11) EP2361668
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2281977	(11) EP2320811	(11) EP2362250
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2287136	(11) EP2322550	(11) EP2362412
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2287642	(11) EP2326408	(11) EP2363312
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2287731	(11) EP2328669	(11) EP2363735
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2289018	(11) EP2329224	(11) EP2364079
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2289113	(11) EP2329231	(11) EP2364162
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2289277	(11) EP2330425	(11) EP2364810
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2292879	(11) EP2331377	(11) EP2365625
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2365677	(11) EP2399397	(11) EP2451506
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2367273	(11) EP2399740	(11) EP2454331
(00) 08.04.2020	(00) 08.04.2020	(00) 12.07.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2370787	(11) EP2401012	(11) EP2454667
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2370842	(11) EP2401653	(11) EP2454751
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2371363	(11) EP2402998	(11) EP2458149
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2374154	(11) EP2403076	(11) EP2460371
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2375278	(11) EP2410716	(11) EP2460627
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2380369	(11) EP2413107	(11) EP2467796
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2383551	(11) EP2424436	(11) EP2468516
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2384528	(11) EP2427949	(11) EP2469346
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2385653	(11) EP2428667	(11) EP2470831
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2387486	(11) EP2428779	(11) EP2472653
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2388205	(11) EP2431060	(11) EP2474326
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2388716	(11) EP2432116	(11) EP2475151
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2392758	(11) EP2433546	(11) EP2476592
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2393477	(11) EP2436128	(11) EP2477954
(00) 13.02.2020	(00) 08.04.2020	(00) 08.04.2020
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2394719	(11) EP2440409	(11) EP2478411
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2394770	(11) EP2441173	(11) EP2480582
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2398388	(11) EP2441370	(11) EP2483847
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2399083	(11) EP2442555	(11) EP2484141
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2399187	(11) EP2442762	(11) EP2485016
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2399348	(11) EP2449222	(11) EP2485140
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2487536	(11) EP2523465	(11) EP2549203
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2488807	(11) EP2523553	(11) EP2549574
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2488919	(11) EP2523739	(11) EP2551678
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2489629	(11) EP2524383	(11) EP2555666
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2490424	(11) EP2524607	(11) EP2556421
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2492790	(11) EP2528490	(11) EP2558426
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2492903	(11) EP2529165	(11) EP2567338
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2493314	(11) EP2530273	(11) EP2567446
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2494352	(11) EP2531624	(11) EP2568915
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2495222	(11) EP2532106	(11) EP2571963
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2495504	(11) EP2533095	(11) EP2572545
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2500078	(11) EP2534006	(11) EP2572792
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2503935	(11) EP2534544	(11) EP2573648
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2504671	(11) EP2537294	(11) EP2574000
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2505211	(11) EP2539261	(11) EP2574034
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2509223	(11) EP2539804	(11) EP2574274
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2510620	(11) EP2541153	(11) EP2575310
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2513748	(11) EP2541221	(11) EP2575673
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2514064	(11) EP2542763	(11) EP2576738
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2517441	(11) EP2546094	(11) EP2577921
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2519877	(11) EP2547129	(11) EP2578005
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2521587	(11) EP2548291	(11) EP2579275
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2581953	(11) EP2605496	(11) EP2628488
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2581981	(11) EP2607573	(11) EP2628843
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2585139	(11) EP2609532	(11) EP2629036
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2585809	(11) EP2610645	(11) EP2629434
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2588315	(11) EP2612345	(11) EP2629502
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2588499	(11) EP2612412	(11) EP2629586
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2588728	(11) EP2613369	(11) EP2631114
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2589510	(11) EP2613600	(11) EP2633961
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2590432	(11) EP2614895	(11) EP2634053
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2594390	(11) EP2615498	(11) EP2634141
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2595291	(11) EP2615628	(11) EP2634446
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2596026	(11) EP2616695	(11) EP2634820
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2596134	(11) EP2617260	(11) EP2634932
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2596425	(11) EP2617372	(11) EP2635101
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2596988	(11) EP2619042	(11) EP2636123
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2598629	(11) EP2622358	(11) EP2637078
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2599943	(11) EP2622613	(11) EP2637092
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2601817	(11) EP2622919	(11) EP2639544
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2602465	(11) EP2623865	(11) EP2642428
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2602722	(11) EP2625668	(11) EP2644868
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2604142	(11) EP2626273	(11) EP2646646
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2605382	(11) EP2626918	(11) EP2646748
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2648800	(11) EP2671576	(11) EP2678064
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2652226	(11) EP2672943	(11) EP2678457
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2653113	(11) EP2672992	(11) EP2678830
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2654338	(11) EP2673622	(11) EP2678930
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2657539	(11) EP2673700	(11) EP2679233
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2657782	(11) EP2673907	(11) EP2679925
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2657843	(11) EP2673953	(11) EP2680161
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2658210	(11) EP2674685	(11) EP2680425
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2659432	(11) EP2674810	(11) EP2680560
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2660969	(11) EP2674998	(11) EP2680684
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2661507	(11) EP2675517	(11) EP2680897
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2664785	(11) EP2675568	(11) EP2681555
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2666543	(11) EP2675646	(11) EP2681683
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2667003	(11) EP2675771	(11) EP2681944
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2669493	(11) EP2675777	(11) EP2682713
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2669558	(11) EP2675819	(11) EP2683205
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2669577	(11) EP2676335	(11) EP2684136
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2670347	(11) EP2676433	(11) EP2684351
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2670645	(11) EP2676486	(11) EP2686148
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2670718	(11) EP2677146	(11) EP2686706
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2671393	(11) EP2677862	(11) EP2688804
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2671437	(11) EP2677937	(11) EP2688958
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2689919	(11) EP2719963	(11) EP2735854
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2689965	(11) EP2720789	(11) EP2736128
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2690013	(11) EP2722411	(11) EP2736153
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2690422	(11) EP2722781	(11) EP2736165
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2692464	(11) EP2725628	(11) EP2737896
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2700003	(11) EP2727325	(11) EP2738139
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2700439	(11) EP2727341	(11) EP2741692
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2701201	(11) EP2728780	(11) EP2743669
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2701254	(11) EP2729165	(11) EP2746068
(00) 08.04.2020	(00) 15.01.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP2701811	(11) EP2729426	(11) EP2746932
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2702492	(11) EP2729622	(11) EP2747882
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2703016	(11) EP2730544	(11) EP2747904
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2703599	(11) EP2731404	(11) EP2748585
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2705916	(11) EP2731638	(11) EP2748790
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2707961	(11) EP2732221	(11) EP2748971
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2709008	(11) EP2732884	(11) EP2749911
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2711873	(11) EP2733268	(11) EP2751856
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2712193	(11) EP2733364	(11) EP2753650
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2712482	(11) EP2733547	(11) EP2753666
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2715334	(11) EP2734866	(11) EP2754959
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2716544	(11) EP2735297	(11) EP2755310
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2719547	(11) EP2735357	(11) EP2756144
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2756899	(11) EP2776264	(11) EP2794217
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2758586	(11) EP2776776	(11) EP2794730
(00) 08.04.2020	(00) 08.04.2020	(00) 09.05.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2759608	(11) EP2778301	(11) EP2794968
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2760613	(11) EP2778577	(11) EP2795830
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2761878	(11) EP2778798	(11) EP2797125
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2762972	(11) EP2778959	(11) EP2798502
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2763321	(11) EP2779233	(11) EP2798602
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2765304	(11) EP2780904	(11) EP2798827
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2765434	(11) EP2781091	(11) EP2800143
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2766074	(11) EP2781132	(11) EP2800820
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2766667	(11) EP2785150	(11) EP2802822
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2767340	(11) EP2785656	(11) EP2805562
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2767820	(11) EP2785828	(11) EP2806153
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2770210	(11) EP2786630	(11) EP2806298
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2770438	(11) EP2787134	(11) EP2806647
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2770718	(11) EP2787422	(11) EP2807309
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2772832	(11) EP2787563	(11) EP2808668
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2774882	(11) EP2788498	(11) EP2808751
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2775145	(11) EP2791651	(11) EP2809474
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2775180	(11) EP2792304	(11) EP2809682
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2775541	(11) EP2792964	(11) EP2810041
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2775606	(11) EP2793275	(11) EP2810203
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2811205	(11) EP2819850	(11) EP2835931
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2811949	(11) EP2820403	(11) EP2841044
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2812059	(11) EP2820461	(11) EP2842001
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2812499	(11) EP2820587	(11) EP2843249
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2813593	(11) EP2820727	(11) EP2844452
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2813637	(11) EP2820834	(11) EP2845101
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2813638	(11) EP2822281	(11) EP2846000
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2814278	(11) EP2824009	(11) EP2848423
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2814284	(11) EP2824533	(11) EP2848638
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2814375	(11) EP2824809	(11) EP2849177
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2815238	(11) EP2827145	(11) EP2849733
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2815248	(11) EP2827673	(11) EP2851775
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2815452	(11) EP2827882	(11) EP2852764
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2815598	(11) EP2828003	(11) EP2853032
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2815600	(11) EP2828869	(11) EP2853907
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2816646	(11) EP2829326	(11) EP2854160
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2816930	(11) EP2830279	(11) EP2855059
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2818211	(11) EP2830899	(11) EP2857173
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2818751	(11) EP2835043	(11) EP2857306
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2818815	(11) EP2835512	(11) EP2857397
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2818838	(11) EP2835593	(11) EP2857739
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2819584	(11) EP2835661	(11) EP2858110
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2858234	(11) EP2871923	(11) EP2888088
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2858916	(11) EP2872215	(11) EP2888145
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2859661	(11) EP2872308	(11) EP2890773
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2859982	(11) EP2872418	(11) EP2890886
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2860622	(11) EP2872605	(11) EP2891119
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2860938	(11) EP2872690	(11) EP2891605
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2862701	(11) EP2874700	(11) EP2891866
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2862868	(11) EP2874708	(11) EP2891935
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2864912	(11) EP2875570	(11) EP2891955
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2864956	(11) EP2877798	(11) EP2892083
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2865634	(11) EP2877942	(11) EP2892245
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2866259	(11) EP2879920	(11) EP2892684
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2866333	(11) EP2881210	(11) EP2893228
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2867500	(11) EP2882546	(11) EP2893930
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2868324	(11) EP2884083	(11) EP2894335
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2869007	(11) EP2884308	(11) EP2895919
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2869959	(11) EP2884935	(11) EP2896066
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2870737	(11) EP2885225	(11) EP2896094
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2870766	(11) EP2885856	(11) EP2896182
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2870782	(11) EP2886221	(11) EP2897594
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2871540	(11) EP2886446	(11) EP2899056
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2871707	(11) EP2887658	(11) EP2900726
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2901625	(11) EP2919148	(11) EP2933860
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2901822	(11) EP2921623	(11) EP2934223
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2902386	(11) EP2921723	(11) EP2935595
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2902424	(11) EP2921795	(11) EP2935768
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2904053	(11) EP2922593	(11) EP2935770
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2904407	(11) EP2923254	(11) EP2935803
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2906403	(11) EP2923384	(11) EP2938843
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2907020	(11) EP2923422	(11) EP2939841
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2907331	(11) EP2924339	(11) EP2940896
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2907691	(11) EP2925447	(11) EP2940961
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2907697	(11) EP2925483	(11) EP2941202
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2907707	(11) EP2926368	(11) EP2942020
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2910445	(11) EP2926676	(11) EP2942871
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2910862	(11) EP2927264	(11) EP2943073
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2910896	(11) EP2927611	(11) EP2943393
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2912685	(11) EP2929453	(11) EP2943556
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2912782	(11) EP2930132	(11) EP2944288
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2915836	(11) EP2931283	(11) EP2944874
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2916861	(11) EP2931611	(11) EP2945220
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2917036	(11) EP2931657	(11) EP2945349
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2917372	(11) EP2931962	(11) EP2947626
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2918415	(11) EP2933473	(11) EP2947835
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2947905	(11) EP2956771	(11) EP2963123
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2948988	(11) EP2956810	(11) EP2963660
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2949391	(11) EP2957572	(11) EP2963806
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2950348	(11) EP2957680	(11) EP2965187
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2950559	(11) EP2958216	(11) EP2965283
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2950666	(11) EP2958230	(11) EP2965911
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2950889	(11) EP2958316	(11) EP2966360
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2951703	(11) EP2958403	(11) EP2966777
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2953457	(11) EP2958483	(11) EP2967305
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2953462	(11) EP2958663	(11) EP2967886
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2953586	(11) EP2958993	(11) EP2967892
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2953640	(11) EP2959136	(11) EP2969562
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2954566	(11) EP2959580	(11) EP2971914
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2954742	(11) EP2959709	(11) EP2972234
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2955468	(11) EP2961380	(11) EP2973223
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2955753	(11) EP2961775	(11) EP2974092
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2955863	(11) EP2962069	(11) EP2975359
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2956424	(11) EP2962073	(11) EP2975653
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2956550	(11) EP2962367	(11) EP2977279
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2956580	(11) EP2962537	(11) EP2977627
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2956680	(11) EP2962787	(11) EP2980366
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2956702	(11) EP2963049	(11) EP2980594
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2982324	(11) EP2998510	(11) EP3011835
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2982478	(11) EP2999492	(11) EP3012468
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2983775	(11) EP3000853	(11) EP3012531
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2983988	(11) EP3000971	(11) EP3013456
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2984305	(11) EP3001178	(11) EP3013579
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2984680	(11) EP3001587	(11) EP3013807
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2987013	(11) EP3001931	(11) EP3014257
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2987799	(11) EP3002297	(11) EP3014397
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2987817	(11) EP3002355	(11) EP3014684
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2988301	(11) EP3002516	(11) EP3015224
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2988481	(11) EP3003025	(11) EP3015409
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2988982	(11) EP3003656	(11) EP3016202
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2989449	(11) EP3004026	(11) EP3017455
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2990780	(11) EP3005376	(11) EP3017876
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2992537	(11) EP3005722	(11) EP3017885
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2994123	(11) EP3006839	(11) EP3018526
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2994447	(11) EP3007605	(11) EP3019362
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2995494	(11) EP3007953	(11) EP3019524
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2995836	(11) EP3008030	(11) EP3019969
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2996004	(11) EP3008420	(11) EP3020586
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2997766	(11) EP3011732	(11) EP3020609
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2998421	(11) EP3011813	(11) EP3021734
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3022235	(11) EP3034897	(11) EP3048151
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3022967	(11) EP3035065	(11) EP3048163
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3023179	(11) EP3035461	(11) EP3048384
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3023765	(11) EP3035518	(11) EP3048808
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3025474	(11) EP3036084	(11) EP3048844
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3025813	(11) EP3036480	(11) EP3050242
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3025845	(11) EP3036633	(11) EP3050258
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3026079	(11) EP3036664	(11) EP3050461
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3026107	(11) EP3036781	(11) EP3050847
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3026791	(11) EP3037312	(11) EP3052481
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3027237	(11) EP3037350	(11) EP3052695
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3027299	(11) EP3038747	(11) EP3052785
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3027322	(11) EP3038780	(11) EP3053920
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3027423	(11) EP3039279	(11) EP3054196
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3028098	(11) EP3039716	(11) EP3054714
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3029995	(11) EP3041334	(11) EP3055514
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3030891	(11) EP3043110	(11) EP3055536
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3031060	(11) EP3044405	(11) EP3055669
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3032632	(11) EP3045123	(11) EP3055680
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3032749	(11) EP3045125	(11) EP3056154
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3034435	(11) EP3046039	(11) EP3056695
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3034847	(11) EP3047353	(11) EP3056749
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3056861	(11) EP3065698	(11) EP3076219
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3058235	(11) EP3065765	(11) EP3076378
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3058864	(11) EP3066495	(11) EP3076710
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3059558	(11) EP3067659	(11) EP3077026
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3059652	(11) EP3067873	(11) EP3077615
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3059721	(11) EP3068648	(11) EP3078157
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3059847	(11) EP3069409	(11) EP3078471
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3060030	(11) EP3069423	(11) EP3078537
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3060125	(11) EP3069565	(11) EP3079493
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3060604	(11) EP3070506	(11) EP3080558
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3060774	(11) EP3070787	(11) EP3080859
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3061112	(11) EP3070898	(11) EP3080864
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3061219	(11) EP3071262	(11) EP3081554
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3061309	(11) EP3071313	(11) EP3081679
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3061310	(11) EP3071964	(11) EP3081780
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3062050	(11) EP3072465	(11) EP3082380
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3062800	(11) EP3072792	(11) EP3083300
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3063310	(11) EP3074183	(11) EP3084284
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3063754	(11) EP3074966	(11) EP3084832
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3063755	(11) EP3074996	(11) EP3084840
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3064406	(11) EP3075197	(11) EP3085225
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3065289	(11) EP3075457	(11) EP3086309
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3086429	(11) EP3097622	(11) EP3104930
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3087688	(11) EP3098298	(11) EP3105060
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3088829	(11) EP3098869	(11) EP3105288
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3088951	(11) EP3099014	(11) EP3105333
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3089154	(11) EP3099303	(11) EP3105611
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3089544	(11) EP3099695	(11) EP3105937
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3090265	(11) EP3100497	(11) EP3105965
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3090893	(11) EP3100592	(11) EP3106453
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3091529	(11) EP3100697	(11) EP3106727
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3091532	(11) EP3100774	(11) EP3107167
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3091775	(11) EP3101347	(11) EP3107181
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3092471	(11) EP3101508	(11) EP3107324
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3093110	(11) EP3101585	(11) EP3107703
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3093718	(11) EP3102051	(11) EP3107788
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3095212	(11) EP3102086	(11) EP3108171
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3095261	(11) EP3102390	(11) EP3108191
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3095493	(11) EP3103512	(11) EP3108209
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3095886	(11) EP3103793	(11) EP3108320
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3095974	(11) EP3104011	(11) EP3108331
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3096303	(11) EP3104033	(11) EP3108566
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3096833	(11) EP3104513	(11) EP3108641
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3097320	(11) EP3104910	(11) EP3108643
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3108669	(11) EP3114134	(11) EP3124488
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3108869	(11) EP3114473	(11) EP3124517
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3109227	(11) EP3114854	(11) EP3124707
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110535	(11) EP3115290	(11) EP3124958
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110729	(11) EP3115477	(11) EP3127771
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110783	(11) EP3115531	(11) EP3128236
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111110	(11) EP3115882	(11) EP3128428
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111373	(11) EP3116076	(11) EP3130539
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111429	(11) EP3116257	(11) EP3131263
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111534	(11) EP3117166	(11) EP3131685
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111552	(11) EP3117918	(11) EP3132044
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111607	(11) EP3118037	(11) EP3132159
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111870	(11) EP3118508	(11) EP3132604
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111995	(11) EP3118705	(11) EP3132955
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3112243	(11) EP3118843	(11) EP3133328
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3112441	(11) EP3120292	(11) EP3133493
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3112647	(11) EP3120644	(11) EP3133829
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3112808	(11) EP3121026	(11) EP3134241
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3113282	(11) EP3121940	(11) EP3135022
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3113468	(11) EP3122616	(11) EP3135245
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3113513	(11) EP3123311	(11) EP3136164
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3113527	(11) EP3124348	(11) EP3136277
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3137999	(11) EP3146995	(11) EP3154125
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3138331	(11) EP3147070	(11) EP3154602
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3139475	(11) EP3147499	(11) EP3154660
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3139912	(11) EP3147602	(11) EP3155091
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3139967	(11) EP3147718	(11) EP3156036
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3140260	(11) EP3148543	(11) EP3156300
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3140734	(11) EP3149556	(11) EP3156935
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3141106	(11) EP3150111	(11) EP3157227
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3141196	(11) EP3150617	(11) EP3157283
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3141448	(11) EP3150639	(11) EP3157725
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3142267	(11) EP3150835	(11) EP3157778
(00) 08.05.2020	(00) 08.04.2020	(00) 08.04.2020
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3142831	(11) EP3150877	(11) EP3157841
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3142910	(11) EP3151348	(11) EP3158154
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3143688	(11) EP3151548	(11) EP3158360
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3143991	(11) EP3151643	(11) EP3158466
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3144156	(11) EP3152471	(11) EP3158494
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3145454	(11) EP3152587	(11) EP3158979
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3145805	(11) EP3152873	(11) EP3159366
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3145872	(11) EP3152893	(11) EP3159786
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3146210	(11) EP3153628	(11) EP3159871
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3146537	(11) EP3153644	(11) EP3159996
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3146662	(11) EP3154095	(11) EP3160052
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3160202	(11) EP3170066	(11) EP3176153
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3161935	(11) EP3170317	(11) EP3176380
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3163278	(11) EP3170341	(11) EP3176438
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3163366	(11) EP3170588	(11) EP3177434
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3163488	(11) EP3170738	(11) EP3177578
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3164072	(11) EP3171248	(11) EP3177767
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3164205	(11) EP3171552	(11) EP3178065
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3164255	(11) EP3171560	(11) EP3178215
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3164777	(11) EP3171831	(11) EP3178267
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3165581	(11) EP3172234	(11) EP3178400
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3166352	(11) EP3172432	(11) EP3179876
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3166589	(11) EP3172641	(11) EP3180464
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3167073	(11) EP3172926	(11) EP3180465
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3167267	(11) EP3173712	(11) EP3180527
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3167279	(11) EP3174266	(11) EP3181380
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3167310	(11) EP3174307	(11) EP3181870
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3167463	(11) EP3174371	(11) EP3181881
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3168750	(11) EP3175249	(11) EP3181909
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3169140	(11) EP3175518	(11) EP3182001
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3169317	(11) EP3175990	(11) EP3182434
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3169781	(11) EP3176137	(11) EP3182466
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3169859	(11) EP3176138	(11) EP3184046
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3184285	(11) EP3191789	(11) EP3200855
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3184857	(11) EP3191840	(11) EP3201418
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3185256	(11) EP3192138	(11) EP3202269
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3185294	(11) EP3192318	(11) EP3202467
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3185360	(11) EP3193176	(11) EP3202660
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3185461	(11) EP3194164	(11) EP3202967
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3185750	(11) EP3194359	(11) EP3203162
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3185985	(11) EP3195576	(11) EP3203434
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3186379	(11) EP3195608	(11) EP3203685
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3186406	(11) EP3195952	(11) EP3204082
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3186622	(11) EP3196019	(11) EP3204168
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3187183	(11) EP3196252	(11) EP3204403
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3187191	(11) EP3196430	(11) EP3204554
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3187781	(11) EP3196442	(11) EP3205587
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3188292	(11) EP3196639	(11) EP3205668
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3188542	(11) EP3197162	(11) EP3206197
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3188582	(11) EP3197252	(11) EP3206466
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3188584	(11) EP3197625	(11) EP3206719
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3189083	(11) EP3197678	(11) EP3208197
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3190425	(11) EP3198862	(11) EP3208243
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3190702	(11) EP3199134	(11) EP3208502
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3191479	(11) EP3199136	(11) EP3208503
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3208575	(11) EP3215866	(11) EP3223588
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3208670	(11) EP3216558	(11) EP3224003
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3209101	(11) EP3217096	(11) EP3224323
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3209354	(11) EP3217839	(11) EP3224513
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3209355	(11) EP3217890	(11) EP3224895
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3209735	(11) EP3217927	(11) EP3226984
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3209736	(11) EP3217979	(11) EP3227122
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3210790	(11) EP3218072	(11) EP3227137
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3211943	(11) EP3218481	(11) EP3227819
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3212654	(11) EP3218645	(11) EP3228115
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3212662	(11) EP3218918	(11) EP3228129
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3213353	(11) EP3218966	(11) EP3228531
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3213400	(11) EP3219175	(11) EP3228876
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3213877	(11) EP3219541	(11) EP3230249
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214239	(11) EP3219603	(11) EP3231498
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214273	(11) EP3220615	(11) EP3231757
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214279	(11) EP3221541	(11) EP3232543
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214849	(11) EP3222059	(11) EP3233519
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3214852	(11) EP3222769	(11) EP3233566
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3215228	(11) EP3223006	(11) EP3234185
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3215305	(11) EP3223160	(11) EP3234419
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3215349	(11) EP3223347	(11) EP3235662
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3236571	(11) EP3242778	(11) EP3251305
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3236596	(11) EP3243245	(11) EP3251539
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3236682	(11) EP3243539	(11) EP3252038
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3236728	(11) EP3243593	(11) EP3252151
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3237038	(11) EP3244098	(11) EP3253095
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3237471	(11) EP3244139	(11) EP3253537
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3237641	(11) EP3245392	(11) EP3253556
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3238193	(11) EP3245421	(11) EP3253558
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3238223	(11) EP3246113	(11) EP3253881
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3238873	(11) EP3246314	(11) EP3253980
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3239417	(11) EP3246444	(11) EP3254004
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3239505	(11) EP3247946	(11) EP3254064
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3239605	(11) EP3248273	(11) EP3254450
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3239609	(11) EP3248304	(11) EP3254514
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3239860	(11) EP3248549	(11) EP3255037
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3240125	(11) EP3248642	(11) EP3255352
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3240303	(11) EP3248886	(11) EP3255378
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3240408	(11) EP3249069	(11) EP3255994
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3240700	(11) EP3249806	(11) EP3256033
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3241056	(11) EP3250080	(11) EP3256184
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3241402	(11) EP3250158	(11) EP3256225
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3242107	(11) EP3250332	(11) EP3256228
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3269895	(11) EP3277440	(11) EP3285758
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3269993	(11) EP3278573	(11) EP3285765
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3270168	(11) EP3278743	(11) EP3285993
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3270563	(11) EP3279631	(11) EP3286116
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3271481	(11) EP3279990	(11) EP3286436
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3271947	(11) EP3280097	(11) EP3286987
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3272324	(11) EP3281395	(11) EP3287164
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3272667	(11) EP3281836	(11) EP3287212
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3272988	(11) EP3282450	(11) EP3287278
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3273037	(11) EP3282569	(11) EP3287306
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3273216	(11) EP3282804	(11) EP3287308
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3273257	(11) EP3283233	(11) EP3287609
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3273766	(11) EP3283327	(11) EP3287849
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3274111	(11) EP3284201	(11) EP3287932
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3275656	(11) EP3284405	(11) EP3290689
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3275687	(11) EP3284554	(11) EP3290739
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3275706	(11) EP3284565	(11) EP3291699
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3276162	(11) EP3284586	(11) EP3291744
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3276277	(11) EP3284596	(11) EP3292664
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3276884	(11) EP3284625	(11) EP3293240
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3277071	(11) EP3284662	(11) EP3293358
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3277423	(11) EP3285691	(11) EP3294830
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3295685	(11) EP3300804	(11) EP3305676
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3295859	(11) EP3301256	(11) EP3305698
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3295961	(11) EP3301401	(11) EP3306152
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3296199	(11) EP3301411	(11) EP3306153
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3296248	(11) EP3301422	(11) EP3306176
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3296441	(11) EP3301665	(11) EP3306228
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3296578	(11) EP3301985	(11) EP3306292
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3297004	(11) EP3302020	(11) EP3306638
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3297323	(11) EP3303284	(11) EP3306693
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3297785	(11) EP3303911	(11) EP3306713
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3297805	(11) EP3303939	(11) EP3306723
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3298583	(11) EP3303975	(11) EP3307008
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3298657	(11) EP3304154	(11) EP3307159
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3298868	(11) EP3304352	(11) EP3307488
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3299175	(11) EP3304699	(11) EP3307510
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3299291	(11) EP3304732	(11) EP3308478
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3299528	(11) EP3305090	(11) EP3308967
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3299899	(11) EP3305169	(11) EP3309033
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3300091	(11) EP3305437	(11) EP3309200
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3300195	(11) EP3305578	(11) EP3309274
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3300360	(11) EP3305585	(11) EP3309556
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3300435	(11) EP3305608	(11) EP3310026
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3310407	(11) EP3316668	(11) EP3321513
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3310592	(11) EP3316823	(11) EP3321540
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3311058	(11) EP3316887	(11) EP3321841
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3311269	(11) EP3316937	(11) EP3321928
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3311525	(11) EP3316975	(11) EP3322065
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3311730	(11) EP3317140	(11) EP3322066
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3313267	(11) EP3317489	(11) EP3322097
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3313983	(11) EP3317619	(11) EP3322148
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3314354	(11) EP3317629	(11) EP3322465
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3314743	(11) EP3317930	(11) EP3322880
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3314835	(11) EP3317964	(11) EP3322907
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3315053	(11) EP3318026	(11) EP3322958
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3315058	(11) EP3318042	(11) EP3323048
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3315224	(11) EP3318217	(11) EP3323114
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3315328	(11) EP3318325	(11) EP3323331
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3315706	(11) EP3318749	(11) EP3323768
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3315842	(11) EP3320054	(11) EP3324500
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3315851	(11) EP3320372	(11) EP3325182
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3315852	(11) EP3320657	(11) EP3325440
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3316402	(11) EP3320715	(11) EP3325485
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3316464	(11) EP3320967	(11) EP3325543
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3316616	(11) EP3321045	(11) EP3325564
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3325583	(11) EP3333085	(11) EP3340394
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3325685	(11) EP3333340	(11) EP3340705
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3326073	(11) EP3333393	(11) EP3341113
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3326387	(11) EP3333488	(11) EP3341501
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3326389	(11) EP3333950	(11) EP3342323
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3326544	(11) EP3334383	(11) EP3342846
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3326737	(11) EP3334755	(11) EP3342924
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327339	(11) EP3335124	(11) EP3342931
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3328091	(11) EP3335254	(11) EP3343168
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3328282	(11) EP3335773	(11) EP3343220
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3328439	(11) EP3335974	(11) EP3343548
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3328701	(11) EP3336292	(11) EP3343903
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3329192	(11) EP3336412	(11) EP3343912
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3329417	(11) EP3336417	(11) EP3344150
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3329624	(11) EP3338548	(11) EP3344218
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3329998	(11) EP3339056	(11) EP3344397
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3330323	(11) EP3339475	(11) EP3344496
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3331129	(11) EP3339558	(11) EP3344504
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3331444	(11) EP3339622	(11) EP3344555
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3332031	(11) EP3339866	(11) EP3345595
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3332386	(11) EP3340221	(11) EP3346037
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3332667	(11) EP3340236	(11) EP3346164
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3346239	(11) EP3353165	(11) EP3358437
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3346448	(11) EP3353227	(11) EP3358672
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3346766	(11) EP3354056	(11) EP3359045
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3347894	(11) EP3354089	(11) EP3359710
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3348105	(11) EP3354094	(11) EP3360408
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3348226	(11) EP3354377	(11) EP3360449
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3348469	(11) EP3354620	(11) EP3360556
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3349239	(11) EP3354672	(11) EP3360633
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3349380	(11) EP3354796	(11) EP3360687
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3349545	(11) EP3354928	(11) EP3361036
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3350303	(11) EP3355320	(11) EP3361082
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3350772	(11) EP3355321	(11) EP3361105
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3351021	(11) EP3355852	(11) EP3361229
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3351025	(11) EP3356442	(11) EP3361604
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3351436	(11) EP3356586	(11) EP3361819
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3351525	(11) EP3356687	(11) EP3361952
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3351686	(11) EP3357789	(11) EP3362121
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3351820	(11) EP3357812	(11) EP3362985
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3352310	(11) EP3357940	(11) EP3363322
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3352547	(11) EP3358076	(11) EP3363550
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3352570	(11) EP3358078	(11) EP3363639
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3352810	(11) EP3358111	(11) EP3363891
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376706	(11) EP3384977	(11) EP3393288
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376848	(11) EP3385190	(11) EP3393360
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376877	(11) EP3385402	(11) EP3393591
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3377347	(11) EP3386008	(11) EP3393596
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3377354	(11) EP3386092	(11) EP3394471
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3377785	(11) EP3386706	(11) EP3394554
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3379071	(11) EP3386709	(11) EP3394564
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3379392	(11) EP3386802	(11) EP3394653
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3379607	(11) EP3386996	(11) EP3395155
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3379984	(11) EP3387284	(11) EP3395455
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381114	(11) EP3387710	(11) EP3395733
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381140	(11) EP3387745	(11) EP3395790
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381224	(11) EP3388394	(11) EP3395806
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381254	(11) EP3388551	(11) EP3395875
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381259	(11) EP3389604	(11) EP3395963
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381413	(11) EP3389913	(11) EP3396303
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381565	(11) EP3390656	(11) EP3396372
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3382263	(11) EP3391137	(11) EP3396555
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3382463	(11) EP3392006	(11) EP3396812
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3383557	(11) EP3392027	(11) EP3396981
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3384122	(11) EP3392149	(11) EP3397174
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3384732	(11) EP3392528	(11) EP3397552
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3397567	(11) EP3402221	(11) EP3408625
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3397708	(11) EP3402632	(11) EP3408927
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3397780	(11) EP3402868	(11) EP3409245
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3398014	(11) EP3403293	(11) EP3409527
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3398251	(11) EP3403317	(11) EP3409562
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3398283	(11) EP3403802	(11) EP3409570
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3398401	(11) EP3404086	(11) EP3409848
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3398402	(11) EP3404221	(11) EP3410007
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3398889	(11) EP3404274	(11) EP3410271
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3398931	(11) EP3405390	(11) EP3410288
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3399081	(11) EP3405813	(11) EP3410501
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3399424	(11) EP3406050	(11) EP3410672
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3400388	(11) EP3406107	(11) EP3410738
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3400649	(11) EP3406350	(11) EP3410915
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3400692	(11) EP3406390	(11) EP3410940
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3401034	(11) EP3406702	(11) EP3410952
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3401135	(11) EP3406852	(11) EP3411188
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3401232	(11) EP3406986	(11) EP3411271
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3401354	(11) EP3407005	(11) EP3411275
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3401473	(11) EP3407085	(11) EP3411508
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3401913	(11) EP3407399	(11) EP3411600
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3402158	(11) EP3408144	(11) EP3411665
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3435023	(11) EP3440433	(11) EP3445878
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3435041	(11) EP3440757	(11) EP3446536
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3435369	(11) EP3440788	(11) EP3446558
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3435601	(11) EP3440992	(11) EP3446738
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3435683	(11) EP3441576	(11) EP3446890
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3436169	(11) EP3442091	(11) EP3446949
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3436400	(11) EP3442471	(11) EP3447222
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3436700	(11) EP3443330	(11) EP3447249
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3436782	(11) EP3443772	(11) EP3447325
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3436894	(11) EP3443994	(11) EP3447342
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3437202	(11) EP3444146	(11) EP3447743
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3437615	(11) EP3444441	(11) EP3447849
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3438178	(11) EP3444455	(11) EP3447970
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3438418	(11) EP3444457	(11) EP3448214
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3438491	(11) EP3444617	(11) EP3449178
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3438596	(11) EP3444618	(11) EP3449295
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3438980	(11) EP3444841	(11) EP3449780
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3439116	(11) EP3445003	(11) EP3450303
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3439193	(11) EP3445053	(11) EP3450586
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3439269	(11) EP3445094	(11) EP3450661
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3440170	(11) EP3445255	(11) EP3450696
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3440342	(11) EP3445587	(11) EP3450914
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3451223	(11) EP3459620	(11) EP3468324
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3452133	(11) EP3459804	(11) EP3468336
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3452675	(11) EP3460317	(11) EP3468392
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3453456	(11) EP3461946	(11) EP3468732
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3453562	(11) EP3461995	(11) EP3468822
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3453670	(11) EP3462354	(11) EP3469047
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3454425	(11) EP3462967	(11) EP3469116
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3454426	(11) EP3463054	(11) EP3469283
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3454697	(11) EP3463695	(11) EP3469591
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3455486	(11) EP3464024	(11) EP3470135
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3455514	(11) EP3464157	(11) EP3470248
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456225	(11) EP3464273	(11) EP3470966
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456237	(11) EP3464847	(11) EP3470999
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456371	(11) EP3465063	(11) EP3471248
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456381	(11) EP3465178	(11) EP3471801
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456568	(11) EP3465179	(11) EP3471889
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3457018	(11) EP3465216	(11) EP3471962
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3457152	(11) EP3465534	(11) EP3472385
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3457154	(11) EP3465784	(11) EP3472684
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3457310	(11) EP3465874	(11) EP3472940
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3458161	(11) EP3466631	(11) EP3473546
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3458286	(11) EP3467511	(11) EP3473926
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3473935	(11) EP3480419	(11) EP3487004
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474174	(11) EP3480536	(11) EP3487555
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474336	(11) EP3481677	(11) EP3487599
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474353	(11) EP3481678	(11) EP3487625
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474362	(11) EP3481726	(11) EP3488520
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474523	(11) EP3481784	(11) EP3488958
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474714	(11) EP3481872	(11) EP3490212
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474946	(11) EP3481875	(11) EP3490224
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474962	(11) EP3482150	(11) EP3490231
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474995	(11) EP3482270	(11) EP3490491
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3475000	(11) EP3482419	(11) EP3490737
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3475170	(11) EP3482437	(11) EP3491301
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3475280	(11) EP3482463	(11) EP3491349
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3475696	(11) EP3483073	(11) EP3493582
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3476047	(11) EP3483491	(11) EP3493628
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3476688	(11) EP3484736	(11) EP3493938
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3476963	(11) EP3485333	(11) EP3495075
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3477209	(11) EP3486089	(11) EP3495417
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3477519	(11) EP3486105	(11) EP3495543
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3477972	(11) EP3486383	(11) EP3495749
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3478508	(11) EP3486483	(11) EP3496975
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3480339	(11) EP3486936	(11) EP3497713
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3497912	(11) EP3520896	(11) EP3551551
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3498512	(11) EP3523930	(11) EP3552062
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3503590	(11) EP3524442	(11) EP3552117
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3505370	(11) EP3530983	(11) EP3555216
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3505396	(11) EP3531389	(11) EP3555712
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3507545	(11) EP3532507	(11) EP3556122
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3507813	(11) EP3535072	(11) EP3556592
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3508032	(11) EP3535090	(11) EP3556714
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3509396	(11) EP3535167	(11) EP3560816
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3510814	(11) EP3536016	(11) EP3560837
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3512827	(11) EP3536577	(11) EP3562275
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3513494	(11) EP3537507	(11) EP3565504
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3513535	(11) EP3538365	(11) EP3565773
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3513671	(11) EP3539216	(11) EP3566061
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3514319	(11) EP3539927	(11) EP3566353
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3515286	(11) EP3542211	(11) EP3566409
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3516620	(11) EP3542261	(11) EP3569986
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3517408	(11) EP3548204	(11) EP3570489
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3518569	(11) EP3548336	(11) EP3571096
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3518851	(11) EP3548337	(11) EP3576955
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3519936	(11) EP3548554	(11) EP3583665
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3520743	(11) EP3549890	(11) EP3614486
(00) 08.04.2020	(00) 08.04.2020	(00) 08.04.2020

(00) EPV Ceased Effect

VRB

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

(11) 2024895
(48) 16.09.2020
(00) Tekening toegevoegd
(51) F03D 17/00

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) Buhrs Packaging Solutions B.V.	(71) Molecular Dimensions, Inc.	(73) Technology Innovation Momentum Fund (Israel) Limited Partnership
(73) Buhrs Packaging Solutions B.V.	(73) Molecular Dimensions, Inc.	(11) EP2331727
(11) 1023776	(11) EP1699538	(00) 18.08.2020
(00) 12.08.2020	(00) 24.08.2020	(51) C23C 18/14
(51) B25J 9/02	(51) B01D 7/02	C23C 18/16
B25J 19/00	C30B 7/00	C23C 18/34
(00) Change of owner(s) name	(00) Assignment	C23C 18/40
(71) AAA Efficiency AG	(71) CPC PATENT TECHNOLOGIES PTY LTD	C23C 18/44
(73) AAA Efficiency AG	(73) CPC PATENT TECHNOLOGIES PTY LTD	C23C 18/48
(11) EP1702140	(11) EP1661298	H05K 3/10
(00) 28.08.2020	(00) 28.08.2020	H05K 3/18
(51) F01K 25/06	(51) G07C 9/00	(00) Assignment
(00) Assignment	(71) Novocure GmbH	(71) Foamix Pharmaceuticals Ltd.
(71) Novocure GmbH	(73) Novocure GmbH	(73) Foamix Pharmaceuticals Ltd.
(11) EP1833552	(11) EP1833552	(11) EP2210588
(00) 20.08.2020	(00) 20.08.2020	(00) 21.08.2020
(51) A61N 1/04	(51) A61N 1/04	(51) A61K 8/04
A61N 1/40	A61N 1/40	A61K 8/34
(00) Assignment	(00) Assignment	A61K 8/368
(71) KW Patente AG	(71) KW Patente AG	A61K 8/37
(73) KW Patente AG	(73) KW Patente AG	A61K 8/49
(11) EP2051919	(11) EP1883310	A61K 8/73
(00) 14.08.2020	(00) 14.08.2020	A61K 8/86
(51) B65G 47/90	(51) A23G 1/00	A61K 9/12
(00) Assignment	A23G 1/20	A61P 17/04
(71) Radiomed Corporation	A23G 1/21	A61P 17/06
(73) Radiomed Corporation	A23G 3/00	A61P 17/10
(11) EP1553886	A23G 3/02	A61Q 19/00
(00) 21.08.2020	(00) Assignment	(00) Assignment
(51) A61B 19/00	(71) Novocure GmbH	(71) KW Patente AG
(00) Assignment	(73) Novocure GmbH	(73) KW Patente AG
(71) voestalpine Böhler Welding Germany GmbH	(11) EP1933937	(11) EP1505880
(73) voestalpine Böhler Welding Germany GmbH	(00) 21.08.2020	(00) 14.08.2020
(11) EP2085174	(51) A61N 1/32	(51) A23G 1/00
(00) 11.08.2020	A61N 1/40	A23G 1/21
(51) B23K 35/30	(00) Assignment	A23G 3/00
B23K 101/04	(71) SES IMAGOTAG SA	A23G 3/02
B23K 103/04	(73) SES IMAGOTAG SA	A23G 3/20
C21D 9/50	(11) EP1998221	A23P 1/10
C22F 1/10	(00) 12.08.2020	B29C 33/10
(00) Assignment	(51) G02F 1/1335	(00) Assignment
(71) NOVARTIS AG	G02F 1/1345	(71) Wattbike IP Limited
(73) NOVARTIS AG	G02F 1/167	(73) Wattbike IP Limited
(11) EP2332989	(00) Assignment	(11) EP2183034
(00) 12.08.2020	(71) WesternGeco L.L.C.	(00) 25.08.2020
(51) A61K 48/00	(73) WesternGeco L.L.C.	(51) A63B 22/08
C07K 16/18	(11) EP2209022	A63B 24/00
C12N 15/09	(00) 26.08.2020	(00) Assignment
(00) Assignment	(51) G01V 1/38	(71) ESBATech, a Novartis Company LLC
(71) NOVARTIS AG	(00) Assignment	(73) NOVARTIS AG
(73) NOVARTIS AG	(71) KW Patente AG	(11) EP2332989
(11) EP1506236	(73) KW Patente AG	(00) 12.08.2020
(00) 12.08.2020	(11) EP1509092	(51) A61K 48/00
(51) A61K 48/00	(00) 14.08.2020	C07K 16/18
C07K 16/18	(51) A23G 1/20	C12N 15/09
C12N 15/09	A23G 3/02	(00) Change of owner(s) name
(00) Assignment	(00) Assignment	(71) Minimus Spine, Inc.
(71) Technology Innovation Momentum Fund (Israel) Limited Partnership	(71) Technology Innovation Momentum Fund (Israel) Limited Partnership	(73) Minimus Spine, Inc.
		(11) EP2231203

(00) 27.08.2020	C12M 1/00	(51) B01J 23/00
(51) A61L 2/20	C12M 1/107	C07F 9/00
A61L 9/22	C12M 1/26	(00) Change of owner(s) name
A61M 5/00	C12M 1/33	(71) Novocure GmbH
A61M 5/31	D21B 1/36	(73) Novocure GmbH
A61M 39/16	D21C 1/02	(11) EP2161054
C01B 13/11	(00) Change of owner(s) name	(00) 20.08.2020
(00) Assignment	(71) Comes Maschinen- und Apparatebau GmbH	(51) A61N 1/04
(71) Audevard	(73) Comes Maschinen- und Apparatebau GmbH	A61N 1/40
(73) Audevard	(11) EP2687280	(00) Assignment
(11) EP2528587	(00) 31.08.2020	(71) T.B. CONCEPT INC.
(00) 27.08.2020	(51) B01D 46/30	(73) Armacell Enterprise GmbH & Co. KG
(51) A61K 9/08	(00) Assignment	(11) EP2734771
A61K 9/10	(71) Alcon Pharmaceuticals Ltd.	(00) 20.08.2020
A61K 9/20	(73) Novartis AG	(51) F16L 55/035
A61K 9/48	(11) EP2114367	F16L 59/135
A61K 31/343	(00) 01.09.2020	G01L 5/00
A61K 31/365	(51) A61K 9/00	(00) Merge
A61K 31/7048	A61K 31/335	(71) Dethapak Holding B.V.
A61P 33/00	(00) Assignment	(73) Dethapak Innovation B.V.
(00) Assignment	(71) T.B. CONCEPT INC.	(11) 2018188
(71) Mylan Pharmaceuticals Inc.	(73) Armacell Enterprise GmbH & Co. KG	(00) 14.08.2020
(73) Mylan Pharmaceuticals Inc.	(11) EP2734771	(51) B65D 23/10
(11) EP1904522	(00) 20.08.2020	(00) Change of owner(s) name
(00) 13.08.2020	(51) F16L 55/035	(71) Lonza Solutions AG
(51) C07K 14/435	F16L 59/135	(73) Lonza Solutions AG
(00) Assignment	G01L 5/00	(11) EP2872473
(71) Vico Therapeutics B.V.	(00) Assignment	(00) 12.08.2020
(73) Vico Therapeutics B.V.	(71) HMT Technische Vertriebsgesellschaft mbH	(51) B01D 61/36
(11) EP2049664	(73) HMT Technische Vertriebsgesellschaft mbH	C07C 29/42
(00) 20.08.2020	(11) EP2512905	C07C 29/80
(51) A61K 31/7088	(00) 24.08.2020	C07C 33/042
A61K 41/00	(51) B62D 53/04	(00) Assignment
A61P 43/00	B62D 53/08	(71) Dethapak Holding B.V.
C12N 15/11	B62D 63/06	(73) Dethapak Innovation B.V.
(00) Assignment	(00) Assignment	(11) EP2574562
(71) STÄUBLI WFT GmbH	(71) Novartis AG	(00) 14.08.2020
(73) STÄUBLI WFT GmbH	(73) Novartis AG	(51) B29C 49/48
(11) EP2627553	(11) EP2114367	B65D 1/02
(00) 12.08.2020	(00) 01.09.2020	(00) Change of owner(s) name
(51) B60K 7/00	(51) A61K 9/00	(71) Armacell Enterprise GmbH & Co. KG
B60K 17/356	A61K 31/335	(73) Armacell Enterprise GmbH & Co. KG
B62D 61/10	(00) Assignment	(11) EP2734771
(00) Assignment	(71) 9380671 CANADA INC.	(00) 20.08.2020
(71) LEINICH BETEILIGUNGEN GMBH	(73) Armacell Enterprise GmbH & Co. KG	(51) F16L 55/035
(73) LEINICH BETEILIGUNGEN GMBH	(11) EP2734771	F16L 59/135
(11) EP2576757	(00) 20.08.2020	G01L 5/00
(00) 21.08.2020	(51) F16L 55/035	(00) Assignment
(51) B65G 33/00	F16L 59/135	(71) Novocure GmbH
C12M 1/00	G01L 5/00	(73) Novocure GmbH
C12M 1/107	(00) Assignment	(11) EP2167194
C12M 1/26	(71) Clarios Germany GmbH & Co. KGaA	(00) 21.08.2020
C12M 1/33	SASIT Industrietechnik GmbH Zwickau	(51) A61N 1/40
D21B 1/36	(11) EP2467894	A61N 5/06
D21C 1/02	(00) 24.08.2020	(00) Assignment
(00) Assignment	(51) H01M 10/04	(71) Vico Therapeutics B.V.
(71) Lonza Solutions AG	(00) Change of owner(s) name	(73) Vico Therapeutics B.V.
(73) Lonza Solutions AG	(71) TANIOBIS GmbH	(11) EP2841578
(11) EP2841415	(73) TANIOBIS GmbH	(00) 20.08.2020
(00) 12.08.2020	(11) EP1931688	(51) A61K 31/7115
(51) C07C 303/36	(00) 13.08.2020	A61K 31/712
(00) Assignment		A61K 31/7125
(71) Economizer GmbH		A61P 25/00
(73) LEINICH BETEILIGUNGEN GMBH		C12N 15/113
(11) EP2576757		(00) Assignment
(00) 21.08.2020		(71) Armacell Canada Inc.
(51) B65G 33/00		(73) Armacell Enterprise GmbH & Co. KG

(11) EP2734771	F25B 9/00	(71) Sumitomo Dainippon Pharma Oncology, Inc.
(00) 20.08.2020	F25B 19/04	(73) Sumitomo Dainippon Pharma Oncology, Inc.
(51) F16L 55/035	F25B 25/00	(11) EP2909181
F16L 59/135	F25B 31/00	(00) 25.08.2020
G01L 5/00	(00) Assignment	(51) A61K 31/4152
(00) Merge	(71) Lonza Solutions AG	A61K 31/4155
(71) Werner Müller	(73) Lonza Solutions AG	A61P 35/00
(73) Werner Müller	(11) EP3077449	C07D 231/14
(11) EP2895661	(00) 12.08.2020	C07D 401/14
(00) 20.08.2020	(51) C08J 5/24	(00) Change of owner(s) name
(51) E03D 11/13	(00) Assignment	(71) Dethapak Innovation B.V.
(00) Assignment	(71) Tokyo Electric Power Company Holdings, Incorporated	(73) Dethapak Innovation B.V.
(71) Dethapak Innovation B.V.	Chubu Electric Power Company, Incorporated	(11) EP2574562
(73) Dethapak Innovation B.V.	The Kansai Electric Power Co., Inc.	(00) 14.08.2020
(11) EP2987743	Kabushiki Kaisha Kobe Seiko Sho	(51) B29C 49/48
(00) 14.08.2020	Danish Technological Institute	B65D 1/02
(51) B65D 23/10	Johnson Controls Denmark ApS	(00) Assignment
B65D 25/28	(73) The Kansai Electric Power Co., Inc.	(71) SK eco prime Co., Ltd.
(00) Assignment	Danish Technological Institute	(73) SK eco prime Co., Ltd.
(71) Imperial College Innovations Limited	Johnson Controls Denmark ApS	(11) EP2257518
(73) Imperial College Innovations Limited	Tokyo Electric Power Company Holdings, Incorporated	(00) 19.08.2020
(11) EP2877552	Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)	(51) C07C 67/08
(00) 14.08.2020	(11) EP2549107	C10L 1/02
(51) C09K 11/06	(00) 14.08.2020	C11C 3/00
H01L 51/00	(51) F04B 39/02	C11C 3/10
H01L 51/50	F04C 29/02	(00) Assignment
H01L 51/52	F25B 1/00	(71) InnovaSea Systems, Inc.
H01L 51/56	F25B 9/00	(73) InnovaSea Systems, Inc.
H05B 33/14	F25B 19/04	(11) EP2658368
(00) Assignment	F25B 25/00	(00) 26.08.2020
(71) Dethapak Holding B.V.	F25B 31/00	(51) A01K 61/00
(73) Dethapak Innovation B.V.	(00) Change of owner(s) name	(00) Assignment
(11) EP2987743	(71) Fritsch Bakery Technologies GmbH & Co. KG	(71) Novocure GmbH
(00) 14.08.2020	(73) Fritsch Bakery Technologies GmbH & Co. KG	(73) Novocure GmbH
(51) B65D 23/10	(11) EP2637506	(11) EP2364747
B65D 25/28	(00) 12.08.2020	(00) 20.08.2020
(00) Change of owner(s) name	(51) A21C 9/08	(51) A61N 1/04
(71) IP2IPO INNOVATIONS LIMITED	(00) Assignment	A61N 1/40
(73) Imperial College Innovations Limited	(71) Novocure GmbH	(00) Assignment
(11) EP2877552	(73) Novocure GmbH	(71) Boston Biomedical, Inc.
(00) 14.08.2020	(11) EP2281602	(73) Sumitomo Dainippon Pharma Oncology, Inc.
(51) C09K 11/06	(00) 20.08.2020	(11) EP2734205
H01L 51/00	(51) A61N 1/40	(00) 25.08.2020
H01L 51/50	(00) Assignment	(51) A61K 31/497
H01L 51/52	(71) Dethapak Innovation B.V.	(00) Merge
H01L 51/56	(73) Dethapak Innovation B.V.	(71) Novocure GmbH
H05B 33/14	(11) 2018188	(73) Novocure GmbH
(00) Change of owner(s) name	(00) 14.08.2020	(11) EP2345451
(71) Tokyo Electric Power Company Holdings, Incorporated	(51) B65D 23/10	(00) 20.08.2020
The Kansai Electric Power Co., Inc.	(00) Assignment	(51) A61N 1/04
Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)	(71) Boston Biomedical, Inc.	A61N 1/40
Danish Technological Institute	(73) Sumitomo Dainippon Pharma Oncology, Inc.	(00) Assignment
Johnson Controls Denmark ApS	(11) EP2909181	(71) ARJOBEX POLYART LIMITED
(73) The Kansai Electric Power Co., Inc.	(00) 25.08.2020	(73) ARJOBEX POLYART LIMITED
Danish Technological Institute	(51) A61K 31/4152	(11) EP2998096
Johnson Controls Denmark ApS	A61K 31/4155	(00) 17.08.2020
Tokyo Electric Power Company Holdings, Incorporated	A61P 35/00	(51) B29C 47/00
Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)	C07D 231/14	B29C 47/06
(11) EP2549107	C07D 401/14	B29C 47/56
(00) 14.08.2020	(00) Merge	B29C 55/02
(51) F04B 39/02		B29C 55/16
F04C 29/02		B29K 23/00
F25B 1/00		B29K 33/04
		B32B 3/26

B32B 27/10	(51) A61N 1/04	(73) Microsoft Technology Licensing, LLC
B32B 27/20	A61N 1/40	(11) EP2891300
B32B 27/32	(00) Assignment	(00) 21.08.2020
C08J 5/18	(71) NOVARTIS AG	(51) H04L 29/08
C08J 9/00	(73) NOVARTIS AG	H04W 4/21
C08K 3/22	(11) EP2307458	(00) Assignment
C08K 3/26	(00) 12.08.2020	(71) Stryker European Operations Holdings LLC
C08K 5/103	(51) A61K 39/395	(73) Stryker European Operations Holdings LLC
C08L 23/06	C07K 16/18	(11) EP2517654
(00) Assignment	C07K 16/22	(00) 14.08.2020
(71) Lonza Solutions AG	C07K 16/24	(51) A61B 17/00
(73) Lonza Solutions AG	C07K 16/30	A61B 17/14
(11) EP3215476	C07K 16/46	A61B 34/20
(00) 12.08.2020	A61K 47/68	(00) Change of owner(s) name
(51) C07B 39/00	(00) Assignment	(71) Stryker European Holdings III, LLC
C07C 17/275	(71) KW Patente AG	(73) Stryker European Operations Holdings LLC
C07C 22/08	(73) KW Patente AG	(11) EP2517654
C07C 41/30	(11) EP2111120	(00) 14.08.2020
C07C 43/225	(00) 14.08.2020	(51) A61B 17/00
C07C 45/69	(51) A23G 1/00	A61B 17/14
C07C 49/80	A23G 1/20	A61B 34/20
C07D 207/325	A23G 3/02	(00) Assignment
C07D 207/333	A23G 3/20	(71) Leone Media Inc.
C07D 209/10	A23G 3/34	(73) MK Systems USA Inc.
C07D 333/12	F04B 7/06	(11) EP2599309
C07D 473/08	(00) Assignment	(00) 28.08.2020
C07D 473/10	(71) Grieger Beteiligungs GmbH	(51) H04N 21/234
(00) Assignment	(73) Aguti Design GmbH	H04N 21/2365
(71) NiQuan Energy LLC	(11) EP3150087	H04N 19/115
(73) NiQuan Energy LLC	(00) 20.08.2020	H04N 19/124
(11) EP2356068	(51) A47C 1/00	H04N 19/14
(00) 21.08.2020	A47C 7/02	H04N 19/149
(51) C01B 3/38	(00) Assignment	(00) Assignment
C01B 3/48	(71) Aguti Design GmbH	(71) NiQuan Energy LLC
C01B 3/56	(73) Aguti Design GmbH	(73) NiQuan Energy LLC
C01B 3/58	(11) EP3150087	(11) EP2751024
(00) Assignment	(00) 20.08.2020	(00) 21.08.2020
(71) Novocure GmbH	(51) A47C 1/00	(51) B01D 15/30
(73) Novocure GmbH	A47C 7/02	B01J 19/00
(11) EP2183024	(00) Assignment	C01B 3/24
(00) 21.08.2020	(71) SK eco prime Co., Ltd.	C10G 1/00
(51) A61N 1/40	(73) SK eco prime Co., Ltd.	(00) Assignment
(00) Assignment	(11) EP2013319	(71) MK Systems USA Inc.
(71) Sumitomo Dainippon Pharma Oncology, Inc.	(00) 19.08.2020	(73) MK Systems USA Inc.
(73) Sumitomo Dainippon Pharma Oncology, Inc.	(51) B01J 14/00	(11) EP2599309
(11) EP2734205	B01J 19/00	(00) 28.08.2020
(00) 25.08.2020	B01J 19/18	(51) H04N 21/234
(51) A61K 31/497	C07C 67/08	H04N 21/2365
(00) Change of owner(s) name	C07C 67/29	H04N 19/115
(71) ESBATech, a Novartis Company LLC	C10L 1/02	H04N 19/124
(73) NOVARTIS AG	C11B 3/12	H04N 19/14
(11) EP2307458	C11C 3/00	H04N 19/149
(00) 12.08.2020	(00) Assignment	(00) Assignment
(51) A61K 39/395	(71) MU-G Knowledge Management B.V.	(71) BA Healthcare
C07K 16/18	(73) MU-G Knowledge Management B.V.	(73) BA Healthcare
C07K 16/22	(11) 2017984	(11) EP3328593
C07K 16/24	(00) 20.08.2020	(00) 19.08.2020
C07K 16/30	(51) B64C 39/02	(51) B25J 5/00
C07K 16/46	(00) Assignment	(00) Assignment
A61K 47/68	(71) Microsoft Technology Licensing, LLC	(71) Lonza Solutions AG
(00) Change of owner(s) name	(73) Microsoft Technology Licensing, LLC	(73) Lonza Solutions AG
(71) Novocure GmbH	(11) EP3230893	(11) EP3126344
(73) Novocure GmbH	(00) 28.08.2020	(00) 12.08.2020
(11) EP2364748	(51) G06F 17/22	(51) C07B 37/04
(00) 20.08.2020	G06F 17/24	
	(00) Assignment	
	(71) Microsoft Technology Licensing, LLC	

C07C 17/32	(71) MK Systems US Sub-HoldCo Inc.	(00) 21.08.2020
C07C 22/08	(73) MK Systems USA Inc.	(51) B08B 1/04
C07D 207/323	(11) EP2599309	(00) Assignment
C07D 213/127	(00) 28.08.2020	(71) SK eco prime Co., Ltd.
C07D 213/26	(51) H04N 21/234	(73) SK eco prime Co., Ltd.
C07D 333/12	H04N 21/2365	(11) EP3026096
C07D 333/28	H04N 19/115	(00) 19.08.2020
C07D 473/12	H04N 19/124	(51) C07C 67/03
C08F 8/24	H04N 19/14	C10G 3/00
(00) Assignment	H04N 19/149	C10L 1/02
(71) Tokyo Electric Power Company Holdings, Incorporated	(00) Assignment	C10L 1/08
Chubu Electric Power Company, Incorporated	(71) UCB Biopharma SRL	C11C 1/04
The Kansai Electric Power Co., Inc.	(73) UCB Biopharma SRL	C11C 3/00
Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)	(11) EP3161007	(00) Assignment
Danish Technological Institute	(00) 31.08.2020	(71) MK Systems US HoldCo Inc.
Johnson Controls Denmark ApS	(51) C07K 16/46	(73) MK Systems USA Inc.
(73) The Kansai Electric Power Co., Inc.	(00) Change of Legal Entity	(11) EP2599309
Danish Technological Institute	(71) Freight Farms, Inc.	(00) 28.08.2020
Johnson Controls Denmark ApS	(73) Freight Farms, Inc.	(51) H04N 21/234
Tokyo Electric Power Company Holdings, Incorporated	(11) EP2866551	H04N 21/2365
Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)	(00) 20.08.2020	H04N 19/115
(11) EP2549107	(51) A01G 9/26	H04N 19/124
(00) 14.08.2020	A01G 31/06	H04N 19/14
(51) F04B 39/02	(00) Change of owner(s) name	H04N 19/149
F04C 29/02	(71) Intel Corporation	(00) Assignment
F25B 1/00	(73) Intel Corporation	(71) Syntegon Packaging Systems AG
F25B 9/00	(11) EP3152877	(73) Syntegon Packaging Systems AG
F25B 19/04	(00) 21.08.2020	(11) EP3071498
F25B 25/00	(51) H04L 12/54	(00) 17.08.2020
F25B 31/00	H04L 12/721	(51) B65G 19/02
(00) Change of owner(s) name	H04L 12/863	B65G 47/68
(71) Fritsch Bakery Technologies GmbH & Co. KG	H04L 12/933	B65G 47/71
(73) Fritsch Bakery Technologies GmbH & Co. KG	H04L 12/935	B65G 54/02
(11) EP3216347	(00) Assignment	(00) Assignment
(00) 12.08.2020	(71) Stichting Katholieke Universiteit	(71) BA Robotic Systems Group
(51) A21C 9/08	(73) Stichting Katholieke Universiteit	(73) BA Healthcare
(00) Assignment	(11) EP2454302	(11) EP2672944
(71) BA Healthcare	(00) 18.08.2020	(00) 19.08.2020
(73) BA Healthcare	(51) C08G 18/09	(51) A61H 3/00
(11) EP2672944	C08G 18/50	A61H 3/04
(00) 19.08.2020	(00) Assignment	(00) Change of owner(s) name
(51) A61H 3/00	(71) CIMCO-Werkzeugfabrik Carl Jul. Müller GmbH & Co. KG	(71) Emma Sleep GmbH
A61H 3/04	(73) CIMCO-Werkzeugfabrik Carl Jul. Müller GmbH & Co. KG	(73) Emma Sleep GmbH
(00) Assignment	(11) EP3018778	(11) EP3473138
(71) BA Healthcare	(00) 26.08.2020	(00) 24.08.2020
(73) BA Healthcare	(51) B26B 13/00	(51) A47C 27/14
(11) EP2672944	H02G 1/00	A47C 31/12
(00) 19.08.2020	H02G 1/12	(00) Change of owner(s) name
(51) A61H 3/00	(00) Assignment	(71) QustomDot B.V.
A61H 3/04	(71) Pelcom Dubna Machine-building factory Ltd	(73) QustomDot B.V.
(00) Assignment	(73) Pelcom Dubna Machine-building factory Ltd	(11) EP3271063
(71) Novocure GmbH	(11) EP3036203	(00) 26.08.2020
(73) Novocure GmbH	(00) 25.08.2020	(51) B82Y 30/00
(11) EP2994045	(51) B23K 103/00	B82Y 40/00
(00) 20.08.2020	C03B 29/00	B01J 13/00
(51) A61B 5/053	C03B 33/09	C01B 25/08
A61B 18/00	C03C 23/00	C09K 11/08
A61B 18/12	B23K 26/00	(00) Assignment
A61B 18/14	B23K 26/402	(71) Stryker European Operations Holdings LLC
A61B 90/00	(00) Merge	(73) Stryker European Operations Holdings LLC
(00) Assignment	(71) Ruben Pogany	(11) EP2517653
(71) Intel Corporation	(73) Ruben Pogany	(00) 14.08.2020
(73) Intel Corporation	(11) EP3272431	(51) A61B 17/00
(11) EP2538334		A61B 17/14
(00) 21.08.2020		A61B 34/20
(51) G06F 12/08		
(00) Assignment		

(00) Change of owner(s) name	(71) RAW HOLDINGS AS	H01F 38/14
(71) Interactive Fully Electrical Vehicles S.r.l.	(73) RAW HOLDINGS AS	H01F 38/18
(73) Interactive Fully Electrical Vehicles S.r.l.	(11) EP2550730	H05G 1/10
(11) EP3204249	(00) 20.08.2020	(00) Assignment
(00) 20.08.2020	(51) H02K 21/14	(71) Ivan, LLC (A Delaware Corporation)
(51) B60K 1/00	H02P 9/02	(73) Ivan, LLC (A Delaware Corporation)
B60R 19/03	H02P 9/48	(11) EP3341763
B62D 21/11	H02P 25/22	(00) 12.08.2020
B62D 21/15	H02P 27/16	(51) G01V 3/12
B62D 23/00	(00) Assignment	G08B 13/24
B62D 29/04	(71) JC Medical, Inc.	H04B 17/318
B62D 63/02	(73) JC Medical, Inc.	H04W 4/02
(00) Assignment	(11) EP2413843	H04W 4/029
(71) Fluid Management, Inc.	(00) 20.08.2020	H04W 4/33
(73) Fluid Management, Inc.	(51) A61F 2/24	H04W 4/80
(11) EP1826404	(00) Assignment	(00) Assignment
(00) 25.08.2020	(71) Intel Corporation	(71) Meso Scale Technologies, LLC.
(51) F04B 7/06	(73) Intel Corporation	(73) Meso Scale Technologies, LLC.
F04B 11/00	(11) EP3132376	(11) EP2461156
(00) Assignment	(00) 21.08.2020	(00) 19.08.2020
(71) Stryker European Holdings III, LLC	(51) G06F 21/57	(51) B01L 3/00
(73) Stryker European Operations Holdings LLC	(00) Assignment	B01L 9/00
(11) EP2517653	(71) Intel Corporation	G01N 21/25
(00) 14.08.2020	(73) Intel Corporation	G01N 21/64
(51) A61B 17/00	(11) EP2961065	G01N 21/69
A61B 17/14	(00) 21.08.2020	G01N 21/76
A61B 34/20	(51) H03K 5/05	G01N 35/04
(00) Assignment	H03K 5/06	(00) Change of owner(s) name
(71) Autopot (Global) Limited	(00) Assignment	(71) The Regents of The University of California
(73) Autopot (Global) Limited	(71) Interactive Fully Electrical Vehicles S.r.l.	(73) The Regents of The University of California
(11) EP3324087	(73) Interactive Fully Electrical Vehicles S.r.l.	(11) EP3250540
(00) 27.08.2020	(11) EP3523181	(00) 13.08.2020
(51) A01G 27/00	(00) 20.08.2020	(51) C07C 15/27
F16K 24/04	(51) B62D 21/11	C07C 51/16
F16K 31/18	B62D 23/00	C07C 51/42
(00) Assignment	B62D 25/08	C07C 55/10
(71) Seber AB	(00) Assignment	C07D 307/20
(73) Seber AB	(71) Novocure GmbH	(00) Change of owner(s) name
(11) EP3448284	(73) Novocure GmbH	(71) M-TRUST Imaging Limited
(00) 24.08.2020	(11) EP2281605	(73) M-TRUST Imaging Limited
(51) A61B 17/32	(00) 25.08.2020	(11) EP3459082
A61B 17/322	(51) A61N 1/40	(00) 25.08.2020
(00) Assignment	(00) Assignment	(51) A61B 8/15
(71) Ivan, LLC (A Delaware Corporation)	(71) ULTRACLEAN FUEL LIMITED	G16H 50/50
(73) Ivan, LLC (A Delaware Corporation)	(73) ULTRACLEAN FUEL LIMITED	(00) Assignment
(11) EP3100330	(11) EP2970795	(71) Centogene GmbH
(00) 12.08.2020	(00) 19.08.2020	(73) Centogene GmbH
(51) H02J 1/00	(51) C10G 17/00	(11) EP3318881
H02J 3/10	C10G 21/16	(00) 26.08.2020
H02J 13/00	C10G 21/20	(51) G01N 33/68
(00) Assignment	C10G 27/00	G01N 33/92
(71) Intel Corporation	C10G 27/02	(00) Change of Legal Entity
(73) Intel Corporation	C10G 27/04	(71) Meso Scale Technologies, LLC.
(11) EP3062448	C10G 27/10	(73) Meso Scale Technologies, LLC.
(00) 21.08.2020	C10G 27/12	(11) EP2423673
(51) H04B 3/32	C10G 29/02	(00) 19.08.2020
H04M 3/34	C10G 29/16	(51) B01L 3/00
H04M 11/06	C10G 53/04	B01L 9/00
H04B 3/487	C10G 53/12	G01N 21/25
(00) Assignment	C10G 53/14	G01N 21/64
(71) Intel Corporation	(00) Change of owner(s) name	G01N 21/69
(73) Intel Corporation	(71) Smiths Detection Inc.	G01N 21/76
(11) EP2690805	(73) Smiths Detection Inc.	G01N 35/04
(00) 21.08.2020	(11) EP3214628	(00) Change of owner(s) name
(51) H04J 3/06	(00) 26.08.2020	(71) HealthTech Bio Actives, S.L.U.
(00) Assignment	(51) H01F 3/02	
	H01F 27/245	

(73) HealthTech Bio Actives, S.L.U.

(11) EP2242490

(00) 01.09.2020

(51) A23K 1/16

A23K 1/18

A61K 31/35

(00) Assignment

(71) Interquim, S.A.

(73) HealthTech Bio Actives, S.L.U.

(11) EP2217089

(00) 01.09.2020

(51) A23K 1/16

A23K 1/18

(00) Merge

(71) HealthTech Bio Actives, S.L.U.

(73) HealthTech Bio Actives, S.L.U.

(11) EP2217089

(00) 01.09.2020

(51) A23K 1/16

A23K 1/18

(00) Assignment

(71) Saint-Gobain Weber

(73) Saint-Gobain Weber

(11) EP3247687

(00) 01.09.2020

(51) C04B 28/26

C04B 40/06

C04B 111/60

C09D 5/02

C09D 7/47

(00) Assignment

(71) HealthTech Bio Actives, S.L.U.

(73) HealthTech Bio Actives, S.L.U.

(11) EP3244756

(00) 01.09.2020

(51) A23L 2/58

C09B 61/00

C09B 67/44

C11D 3/00

C11D 3/20

A23L 5/40

A23L 5/41

(00) Assignment

(71) Novocure GmbH

(73) Novocure GmbH

(11) EP2281603

(00) 31.08.2020

(51) A61N 1/40

(00) Assignment

(71) HealthTech Bio Actives, S.L.U.

(73) HealthTech Bio Actives, S.L.U.

(11) EP2838376

(00) 01.09.2020

(51) A23K 20/111

A23K 20/116

A23K 20/163

A23K 50/10

(00) Assignment

TVH

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