



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](http://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.

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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](http://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**

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Europese octrooien waarvoor een gewijzigde vertaling is ingediend.	The Netherlands in which an amended translation was filed.	
<b>Rubriek SPC</b> Bevat gegevens betreffende ingeschreven en verleende certificaten	<b>286Heading SPC</b> Contains data concerning applications for- or granted Supplementary Protection Certificates.	286
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<b>Rubriek VB2</b> Bevat gegevens betreffende rechten waarin een beslissing is genomen of waarvoor een nieuwheidsrapport is uitgegaan op een verzoek- of bezwaarschrift conform de Octrooiwet 1995.	<b>289Heading VB2</b> 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.	289
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## 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 application(s)
(81) Aangewezen landen volgens de PCT	(81) Designated States(s) according to the PCT
(83) Informatie over micro organismen	(83) Information concerning the deposit of microorganisms
(84) Aangewezen landen bij regionale 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) B03C 1/005  
B03C 1/30  
C01B 33/26  
C01B 33/32
  - (21) 2025809
  - (22) 11.06.2020
  - (54) FLUORINE-FREE EXTRACTION  
METHOD FOR INSOLUBLE  
POTASSIUM ORE
  - (71) Qinghai Geological and Mineral Testing  
Center
  - (74) ir. F.A. Geurts c.s.
  - (72) Xiaohua Sun  
Yuqing Zhao  
Wei Zhou  
Xin Xiong  
Yongpeng Ying
  - (31) 202010265013.7
  - (32) 03.04.2020
  - (33) China
-

## 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) B60T 13/04  
B60T 13/74  
F16D 59/02  
(11) 2024211  
(47) 11.08.2020  
(22) 11.11.2019  
(54) Braking method  
(73) Anhui University of Science and  
Technology  
(72) Huawei Jin  
Fujie Wang  
Huanan Li  
(74) drs. P.A. van Essen c.s.  
(31) 201910001091.3  
(32) 02.01.2019  
(33) China

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**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 63/10	A01C 7/08	KALLSTRÖM, Fredrik
A01C 7/20	A01C 7/12	BERGENHOLM, Magnus
(11) EP2944170	A01C 7/20	SVENSSON, Mats
(21) EP15163013.4	A01C 15/00	ÖHRLUND, Magnus
(47) 12.08.2020	(11) EP3384747	KAMFORS, Mattias
(22) 09.04.2015	(21) EP18174461.6	(31) 201462086498 P
(54) AGRICULTURAL DISTRIBUTOR, ESPECIALLY A SOWING MACHINE, AND METHOD FOR ADJUSTING THE HEIGHT OF SEED COULTERS	(47) 12.08.2020	201562170735 P
(73) Horsch Maschinen GmbH	(22) 24.10.2013	(32) 02.12.2014
(72) Horsch, Philipp	(54) AGRICULTURAL ROW UNIT FOR DEPOSITING SEEDS	04.06.2015
(31) 102014106889	(73) Precision Planting LLC	(33) United States of America
(32) 15.05.2014	(72) SAUDER, Derek	United States of America
(33) Germany	LEVY, Kent	(51) A01D 34/00
(51) A01B 79/00	(31) 201261718051 P	G01C 21/16
A01D 34/00	(32) 24.10.2012	G01S 19/14
(11) EP3412130	(33) United States of America	G01S 19/49
(21) EP17175381.7	(51) A01C 17/00	G05D 1/02
(47) 12.08.2020	(11) EP3412127	(11) EP3237927
(22) 09.06.2017	(21) EP18401046.0	(21) EP15801170.0
(54) METHOD FOR OPERATING AN AUTONOMOUS MOBILE MOWER ROBOT AND MOWING SYSTEM	(47) 12.08.2020	(47) 12.08.2020
(73) Andreas Stihl AG & Co. KG	(22) 17.05.2018	(87) EP2015077844
(72) Gorenflo, Ernst	(54) METHOD FOR THE APPLICATION OF DISTRIBUTED MATERIAL ON AN AGRICULTURAL AREA AND AGRICULTURAL DISTRIBUTOR	30.06.2016
Ritzer, Peter	(73) Amazonen-Werke H. Dreyer GmbH & Co. KG	(22) 26.11.2015
(51) A01C 5/06	(72) Konermann, Thomas	(54) IMPROVED NAVIGATION FOR A ROBOTIC WORK TOOL
A01C 7/20	(31) 102017112412	(73) Husqvarna AB
(11) EP3300569	(32) 06.06.2017	(72) ÖHRLUND, Magnus
(21) EP17194407.7	(33) Germany	REIGO, Peter
(47) 12.08.2020	(51) A01D 34/00	(31) 1451662
(22) 02.10.2017	(11) EP3236735	(32) 24.12.2014
(54) PLANTER ROW UNIT FURROW DEPTH SENSING APPARATUS	(21) EP15802063.6	(33) Sweden
(73) Deere & Company	(47) 12.08.2020	(51) A01D 34/73
(72) RHODES, Michael L.	(87) EP2015077850	(11) EP3142476
HUBNER, Cary S.	30.06.2016	(21) EP15792831.8
SCHEFTER, Andrew	(22) 26.11.2015	(47) 12.08.2020
DHOBALE, Dnyanesh	(54) ROBOTIC WORK TOOL AND METHOD FOR DETECTING TOOL DAMAGE OR LOSS	(87) US2015030185
(31) 201662402187 P	(73) Husqvarna AB	19.11.2015
201715692538	(72) WILLGERT, Mikael	(22) 11.05.2015
(32) 30.09.2016	JÄGENSTEDT, Patrik	(54) CUTTING BLADE WITH TRANSVERSE HARDENED REGIONS
31.08.2017	MARKUSSON, Olle	(73) Kondex Corporation
(33) United States of America	KALLSTRÖM, Fredrik	(72) STOFFEL, Neal J.
United States of America	(31) 1451646	JOHNSON, Keith A.
(51) A01C 5/06	(32) 23.12.2014	(31) 201461991938 P
A01C 7/20	(33) Sweden	201462036490 P
(11) EP3479670	(51) A01D 34/00	201462081897 P
(21) EP18190176.0	B62D 12/00	(32) 12.05.2014
(47) 12.08.2020	B62D 63/02	12.08.2014
(22) 22.08.2018	(11) EP3227169	19.11.2014
(54) OPENING DEVICE FOR SOWING MACHINE	(21) EP15804619.3	(33) United States of America
(73) Carbure Technologies SAS	(47) 12.08.2020	United States of America
(72) DUMOULIN, Tom	(87) IB2015059129	(51) A01D 41/12
(31) 1760446	09.06.2016	B60K 11/04
(32) 07.11.2017	(22) 25.11.2015	F01P 11/10
(33) France	(54) ALL WHEEL DRIVE ROBOTIC MOWER	F01N 13/08
(51) A01C 7/04	(73) Husqvarna AB	(11) EP3485716
	(72) JÄGENSTEDT, Patrik	(21) EP18203246.6
		(47) 12.08.2020
		(22) 30.10.2018
		(54) SYSTEM AND METHOD FOR ADJUSTING THE FLOW ORIENTATION

OF AN AIR FLOW EXHAUSTED FROM AN AGRICULTURAL HARVESTER	EIRIKSSON, Eirikur R. EIRIKSSON, Eythor R.	(73) Felco SA (72) Wermeille, Marc
(73) CNH Industrial Belgium NV	(31) 50154	(31) 6182012
(72) Scheuring, Brian L. Woytera, Scott	(32) 01.07.2016 (33) Iceland	(32) 04.05.2012 (33) Switzerland
(31) 201715813299	(51) A01F 15/00	(51) A01G 7/06
(32) 15.11.2017	A01F 15/02	A61K 31/122
(33) United States of America	B30B 9/00	(11) EP3386289
(51) A01D 43/08	B30B 9/30	(21) EP15910403.3
(11) EP3430882	(11) EP3461322	(47) 12.08.2020
(21) EP18000589.4	(21) EP18197935.2	(87) US2015065123
(47) 12.08.2020	(47) 12.08.2020	15.06.2017
(22) 11.07.2018	(22) 01.10.2018	(22) 10.12.2015
(54) HARVESTING DEVICE FOR HARVESTING STALK CROPS	(54) SYSTEM AND METHOD FOR RECOMPRESSING ROUND BALES INTO SQUARE BALES	(54) METHOD FOR USING LIGHT ENERGY TO FACILITATE PENETRATION OF SUBSTANCES IN PLANTS
(73) Maschinenfabrik Bernard Krone GmbH & Co. KG	(73) Deere & Company	(73) Premier Citrus APZ, LLC
(72) Overmeyer, Bernward Riedel, Marcus	(72) Kraus, Timothy J	(72) DROUILLARD, Gregory P.
(31) 102017006861	(31) 201762566717 P 201816137110	(51) A01G 20/20
(32) 21.07.2017	(32) 02.10.2017	(11) EP2366279
(33) Germany	20.09.2018	(21) EP11158016.3
(51) A01D 69/08	(33) United States of America United States of America	(47) 12.08.2020
F16H 7/14	(51) A01F 15/04	(22) 14.03.2011
(11) EP2971856	A01F 15/08	(54) A precultivated lawn with a light structure and process for the production thereof
(21) EP14774778.6	(11) EP3469884	(73) Bindi Pratoprnto S.S.
(47) 12.08.2020	(21) EP18195714.3	(72) Bindi, Gianfranco
(87) US2014025419	(47) 12.08.2020	(31) RM20100109
02.10.2014	(22) 20.09.2018	(32) 15.03.2010
(22) 13.03.2014	(54) SQUARE BALER COMPRISING OSCILLATING SIDEWALLS	(33) Italy
(54) SLIP CONTROLLING BELT TENSION SYSTEM	(73) Deere & Company	(51) A01G 27/06
(73) Husqvarna AB	(72) Gresch, Valentin	A01G 31/02
(72) GREULICH, Douglas ALBINGER, Matthew	(31) 102017217221	A01G 9/02
DWYER, Sean	(32) 27.09.2017	(11) EP3062601
(31) 201361778724 P	(33) Germany	(21) EP14749625.1
(32) 13.03.2013	(51) A01F 15/07	(47) 12.08.2020
(33) United States of America	(11) EP3275305	(87) US2014013326
(51) A01D 75/28	(21) EP17171197.1	14.08.2014
A01F 12/44	(47) 12.08.2020	(22) 28.01.2014
(11) EP3501259	(22) 16.05.2017	(54) PRESSURIZED GROWING AIR SYSTEM FOR VERTICAL AND HORIZONTAL PLANTING SYSTEMS
(21) EP18210414.1	(54) BALER WITH WRAPPING DEVICE	(73) Prescott, Mark R.
(47) 12.08.2020	(73) Usines Claas France S.A.S	(72) Prescott, Mark R.
(22) 05.12.2018	(72) Baros, Geoffroy Laruelle, Thibault L	(31) 201361849339 P
(54) RETURN PAN FOR AN AGRICULTURAL COMBINE	(31) 102016114072	(32) 24.01.2013
(73) Deere & Company	(32) 29.07.2016	(33) United States of America
(72) Puryk, Corwin M Fuchs, Volker	(33) Germany	(51) A01G 33/00
Beeka, Anil Kumar	(51) A01F 15/07	A61K 8/73
(31) 201762596818 P	(11) EP3338534	A61K 31/715
201816124198	(21) EP17188674.0	A61K 47/36
(32) 09.12.2017	(47) 12.08.2020	C12N 1/12
07.09.2018	(22) 31.08.2017	(11) EP3206477
(33) United States of America United States of America	(54) ROUND BALER	(21) EP15778346.5
(51) A01D 84/00	(73) Usines Claas France S.A.S	(47) 12.08.2020
(11) EP3478048	(72) Cazaban-Mazerolles, Benoit	(87) EP2015073689
(21) EP17748577.8	(31) 102016124902	21.04.2016
(47) 12.08.2020	(32) 20.12.2016	(22) 13.10.2015
(87) IS2017050011	(33) Germany	(54) DEGUMMING METHOD
04.01.2018	(51) A01G 3/037	(73) Algosource
(22) 30.06.2017	(11) EP2659764	Université de Nantes
(54) HAY TEDDING AND WINDROWING DEVICE	(21) EP13165972.4	(72) PRUVOST, Jérémy
(73) ERE EHF.	(47) 12.08.2020	JAOUEN, Pascal
(72) MIKKAELSSON, Eirikur	(22) 30.04.2013	MARCHAL, Luc
	(54) Portable electric tool and method for assembling such a portable electric tool	JUBEAU, Sébastien
		FLEURENCE, Joël
		(31) 1459796
		(32) 13.10.2014

(33) France	REZZI, Serge André Dominique	(47) 12.08.2020
(51) A01J 25/11	(31) 14169300	(22) 30.11.2012
A23C 1/14	(32) 21.05.2014	(54) USE OF FERTILE TRANSGENIC
A23C 9/123	(33) European Patent Office (EPO)	MICE OR RATS FOR PRODUCING
A23C 19/076	(51) A01K 23/00	ANTIBODIES BEARING HUMAN
(11) EP3510871	(11) EP3219202	VARIABLE REGIONS
(21) EP18213600.2	(21) EP14905800.0	(73) Kymab Limited
(47) 12.08.2020	(47) 12.08.2020	(72) FRIEDRICH, Glenn A.
(22) 18.12.2018	(87) JP2014082919	LEE, E-Chiang
(54) CONCENTRATING FERMENTED	19.05.2016	(31) 201113310431
DAIRY PRODUCTS	(22) 12.12.2014	201122047
(73) Tetra Laval Holdings & Finance S.A.	(54) ABSORPTIVE ARTICLE FOR PETS	201213416684
(72) Kaschmieder, Erwin	(73) Unicharm Corporation	(32) 02.12.2011
Kempainen, Aulikki	(72) KOMATSUBARA, Daisuke	21.12.2011
(31) 17210762	(31) 2014231669	09.03.2012
(32) 27.12.2017	(32) 14.11.2014	(33) United States of America
(33) European Patent Office (EPO)	(33) Japan	United Kingdom
(51) A01K 1/015	(51) A01K 67/00	United States of America
(11) EP3412143	C12Q 1/68	(51) A01K 89/01
(21) EP16889216.4	(11) EP3362578	(11) EP3183961
(47) 12.08.2020	(21) EP16856306.2	(21) EP16198789.6
(87) JP2016052903	(47) 12.08.2020	(47) 12.08.2020
10.08.2017	(87) US2016057115	(22) 15.11.2016
(22) 01.02.2016	20.04.2017	(54) LINE ROLLER
(54) METHOD FOR MAKING A WATER-	(22) 14.10.2016	(73) Shimano Inc.
ABSORBING TREATMENT MATERIAL	(54) METHODS OF GENOMIC EVALUATION	(72) IKEBUKURO, Satoshi
(73) Daiki Co., Ltd.	IN LIVESTOCK	MORIMOTO, Shinichi
(72) ITO, Hiroshi	(73) Inguran, LLC	(31) 2015244297
YOSHINAGA, Junji	(72) DOBRINSKY, John	(32) 15.12.2015
HATANAKA, Shinobu	MORENO, Juan F.	(33) Japan
HOSOYA, Takahiro	HEUER, Claas	(51) A01M 13/00
MASUYAMA, Takuya	KENDALL, David	(11) EP3235381
(51) A01K 1/015	(31) 201562242828 P	(21) EP17166386.7
A01N 25/08	201562249018 P	(47) 12.08.2020
A01N 49/00	(32) 16.10.2015	(22) 12.04.2017
A01N 59/02	30.10.2015	(54) SUPPLY DEVICE, PRESSURE
A01N 65/00	(33) United States of America	DISINFESTATION ASSEMBLY,
A01N 65/08	United States of America	METHOD FOR PRESSURE
A01N 65/20	(51) A01K 67/027	DISINFESTATION
A01N 65/44	C07K 14/705	(73) Carbo Kohlen säure werke GmbH & Co.
A01N 63/22	G01N 33/50	KG
(11) EP3372071	C12N 5/0793	(72) DAHMS, Denis
(21) EP17159437.7	(11) EP3270688	KRAUS, Konrad Jürgen, Dr.
(47) 12.08.2020	(21) EP16713691.0	(31) 102016206593
(22) 06.03.2017	(47) 12.08.2020	(32) 19.04.2016
(54) BEDDING MATERIAL FOR	(87) US2016022685	(33) Germany
KEEPING FARM ANIMALS AND	22.09.2016	(51) A01N 25/00
CORRESPONDING PRODUCTION	(22) 16.03.2016	A01N 27/00
METHOD	(54) NON-HUMAN ANIMAL EXHIBITING	A01N 29/00
(73) MHK Mühlenhof Kleeth GmbH	DIMINISHED UPPER AND LOWER	A01P 1/00
(72) Aschenbroich, Rainer	MOTOR NEURON FUNCTION AND	C08K 5/02
Kolmans, Hermann-Josef	SENSORY PERCEPTION	C08L 91/06
(51) A01K 5/02	(73) Regeneron Pharmaceuticals, Inc.	C09D 5/16
A23L 33/00	(72) IKIZ, Burcin	(11) EP2931814
A23P 10/00	LACROIX-FRALISH, Michael	(21) EP13862161.0
(11) EP3145336	CROLL, Susan D.	(47) 12.08.2020
(21) EP15724195.1	(31) 201562133909 P	(87) IL2013051025
(47) 12.08.2020	201562250229 P	19.06.2014
(87) EP2015060432	(32) 16.03.2015	(22) 12.12.2013
26.11.2015	03.11.2015	(54) USE OF HYDROPHOBIC AND
(22) 12.05.2015	(33) United States of America	OLEOPHOBIC SURFACES
(54) SYSTEM, PROCESS AND DEVICE	United States of America	(73) Technion Research & Development
FOR PRODUCING A NUTRITIONAL	(51) A01K 67/027	Foundation Ltd.
COMPOSITION WITH PERSONALIZED	C07K 16/00	The State of Israel, Ministry of Agriculture
NUTRIENT CONTENT	C12N 9/64	& Rural Development, Agricultural
(73) Société des Produits Nestlé S.A.	C12N 15/85	Research Organization (ARO) (Volcani
(72) BAETGE, Edward	(11) EP2989894	Center)
BOUCHE, Nicolas	(21) EP15188522.5	(72) POKROY, Boaz

PECHOOK, Sasha	A61K 9/50	A01N 43/80
SHEMESH, Moshe	A61K 51/12	A01P 1/00
(31) 201261736652 P	B01J 13/12	C09D 5/14
(32) 13.12.2012	B01J 13/16	(11) EP3506758
(33) United States of America	C11D 3/50	(21) EP17764485.3
(51) A01N 25/00	(11) EP3318323	(47) 12.08.2020
A01N 51/00	(21) EP16753471.8	(87) US2017048138
A01P 7/04	(47) 12.08.2020	08.03.2018
A01N 65/08	(87) IB2016054027	(22) 23.08.2017
(11) EP3013147	12.01.2017	(54) SYNERGISTIC COMBINATION
(21) EP14818122.5	(22) 05.07.2016	OF LENACIL AND 1,2-
(47) 12.08.2020	(54) MICRO- OR NANOCAPSULES HAVING	BENZISOTHIAZOL-3(2H)-ONE
(87) CA2014000523	PHOTOCATALYTIC PROPERTIES	(73) Rohm and Haas Company
31.12.2014	FOR CONTROLLED RELEASE	Dow Global Technologies LLC
(22) 25.06.2014	OF DIFFUSING AGENTS AND	(72) LENOIR, Pierre Marie Alain
(54) COMPOSITIONS COMPRISING	RESPECTIVE METHODS OF	VILLIGER, Lukas Thomas Johannes
PESTICIDE PRECURSORS AND	OBTAINMENT	DAVE, Hiteshkumar
METHODS OF MAKING AND USE	(73) Universidade do Minho	(31) 201662381296 P
(73) Mustgrow Biologics Corp.	(72) MACEDO TAVARES, Carlos José	(32) 30.08.2016
(72) ROBINSON, James	GOUVEIA MARQUES, Juliana Filipa	(33) United States of America
(31) 201361839515 P	(31) 2015108665	(51) A01N 43/653
(32) 26.06.2013	(32) 05.07.2015	C07D 401/06
(33) United States of America	(33) Portugal	C07D 401/14
(51) A01N 25/04	(51) A01N 25/34	C07D 403/06
A01N 25/30	A01N 37/36	C07D 413/06
A01N 57/12	A01N 59/12	C07D 413/14
A01N 59/26	A01P 1/00	C07D 417/06
A01P 3/00	(11) EP3064065	C07D 491/10
(11) EP3324744	(21) EP16158778.7	C07D 498/04
(21) EP16762895.7	(47) 12.08.2020	(11) EP3386973
(47) 12.08.2020	(22) 18.11.2002	(21) EP16810320.8
(87) NL2016050543	(54) ANTISEPTIC COMPOSITIONS AND	(47) 12.08.2020
26.01.2017	METHODS	(87) EP2016080312
(22) 21.07.2016	(73) 3M Innovative Properties Company	15.06.2017
(54) NOVEL FORMULATIONS COMPRISING	(72) Scholz, Matthew T.	(22) 08.12.2016
PHOSPHITE	Wang, Danli	(54) PESTICIDALLY ACTIVE 1,2,4-
(73) Ceradis B.V.	Lu, Triet M.	TRIAZOLE DERIVATIVES
(72) VAN DER KRIEKEN, Wilhelmus Maria	Zhu, Dong-Wei	(73) Syngenta Participations AG
JANS, Christiaan Gerardus Johannes	(31) 51719	(72) EDMUNDS, Andrew
Maria	(32) 16.01.2002	SCHAETZLER, Jürgen, Harry
RUTTEN, Wilhelmus Bernardus Albertus	(33) United States of America	BIGOT, Aurelien
Hendrikus	(51) A01N 43/04	RENDLER, Sebastian
(31) 2015200	A61K 31/00	JEANGUENAT, André
(32) 21.07.2015	A61K 31/138	(31) 15199652
(33) Netherlands	A61K 31/195	(32) 11.12.2015
(51) A01N 25/08	A61K 31/35	(33) European Patent Office (EPO)
A01N 25/10	A61K 31/4015	(51) A21B 1/40
A01N 33/12	A61K 31/4178	F24C 7/08
A01P 1/00	A61K 31/4439	F24C 15/00
A61L 27/00	A61K 31/445	H05B 1/02
A61L 29/00	A61K 31/485	(11) EP2604930
C09D 5/14	A61K 31/519	(21) EP11194063.1
(11) EP2401001	A61K 31/70	(47) 12.08.2020
(21) EP10746781.3	A61P 25/34	(22) 16.12.2011
(47) 12.08.2020	A61P 25/36	(54) METHOD OF OPERATING AN
(87) US2010025262	(11) EP3053440	COOKING EQUIPMENT
02.09.2010	(21) EP16000588.0	(73) Electrolux Professional S.p.A.
(22) 24.02.2010	(47) 12.08.2020	(72) Cescot, Paolo
(54) ANTI- INFECTIVE FUNCTIONALIZED	(22) 11.04.2008	Furlanetto, Riccardo
SURFACES AND METHODS OF	(54) COMPOSITIONS AND METHODS FOR	Marcorin, Paolo
MAKING SAME	PROPHYLAXIS AND TREATMENT OF	Menosso, Erika
(73) Orthobond Corp.	ADDICTIONS	Simonato, Michele
(72) CLEVENGER, Randell	(73) Omeros Corporation	(51) A21C 11/10
SCHWARTZ, Jeffrey	(72) Ciccocioppo, Roberto	A22C 7/00
(31) 155324 P	(31) 911201 P	(11) EP3462890
(32) 25.02.2009	(32) 11.04.2007	(21) EP17722504.2
(33) United States of America	(33) United States of America	(47) 12.08.2020
(51) A01N 25/28	(51) A01N 43/54	(87) IB2017051848

05.10.2017	(47) 12.08.2020	(22) 24.04.2013
(22) 31.03.2017	(87) IB2016000206	(54) HIGH OLEIC ACID OILS
(54) DEVICE AND PROCESS FOR PRODUCING SPHERICAL FOOD PRODUCTS	11.08.2016	(73) Commonwealth Scientific and Industrial Research Organisation
(73) SMO bvba	(22) 08.02.2016	(72) WOOD, Craig, Christopher
(72) MOLLET, Sander	(54) ANTIMICROBIAL COMPOSITIONS	LIU, Qing
(31) 165230	(73) Naturex S.A.	ZHOU, Xue-Rong
165743	(72) BIRTIC, Simona	GREEN, Allan
(32) 31.03.2016	HEUDRE, Melanie, Marie-Paule, Patricia	SINGH, Surinder Pal
06.10.2016	PIERRE, Francois-Xavier, Henri	CAO, Shijiang
(33) Belgium	MESNIER, Xavier, Pierre, Francois	(31) 201261638447 P
Belgium	PASSEMARD, Anne	2012903992
(51) A21D 2/16	BILY, Antoine, Charles	(32) 25.04.2012
A21D 2/18	ROLLER, Marc	11.09.2012
A21D 10/00	(31) 201514615527	(33) United States of America
A23D 7/00	(32) 06.02.2015	Australia
A23D 7/005	(33) United States of America	(51) A23F 5/24
A23D 7/01	(51) A23B 7/015	A23F 5/26
A23D 9/007	A23B 7/04	A23F 5/46
A23D 9/013	A23L 3/26	A47J 31/00
A23L 2/56	F25D 27/00	A47J 31/16
A23L 7/196	(11) EP3125697	(11) EP3167724
A23L 13/40	(21) EP15712102.1	(21) EP14897062.7
A23L 13/50	(47) 12.08.2020	(47) 12.08.2020
A23L 19/00	(87) EP2015055774	(87) KR2014008356
A23L 27/00	08.10.2015	14.01.2016
A23L 27/60	(22) 19.03.2015	(22) 05.09.2014
(11) EP2986151	(54) FRESHNESS OF FRUIT AND/OR VEGETABLES	(54) METHOD AND DEVICE FOR PRODUCING COFFEE
(21) EP14770123.9	(73) Signify Holding B.V.	(73) Paris Croissant Co., Ltd.
(47) 12.08.2020	(72) NICOLE, Céline Catherine Sarah	(72) CHOI, Yoo Mei
(87) US2014025734	SCHOBEN, Daniël Willem Elisabeth	CHOI, Youg Jun
25.09.2014	(31) 14162545	HYUN, Ki Chan
(22) 13.03.2014	(32) 31.03.2014	KWON, Hyo Min
(54) SUBSTANTIALLY SURFACTANT-FREE, SUBMICRON DISPERSIONS AND FOOD ENHANCEMENT THEREWITH	(33) European Patent Office (EPO)	(31) 20140086750
(73) Leading Edge Innovations, LLC	(51) A23D 7/00	(32) 10.07.2014
(72) WILMOTT, James Michael	A23G 1/46	(33) Korea (Republic)
ROSS, Michael Alan	C11C 3/00	(51) A23G 1/00
(31) 201313835642	A23L 27/20	A23G 1/20
(32) 15.03.2013	(11) EP3357343	A23G 1/26
(33) United States of America	(21) EP16850954.5	(11) EP3107404
(51) A21D 15/00	(47) 12.08.2020	(21) EP14710510.0
A23L 3/349	(87) JP2016074319	(47) 12.08.2020
(11) EP3199031	06.04.2017	(87) EP2014053363
(21) EP17152967.0	(22) 22.08.2016	27.08.2015
(47) 12.08.2020	(54) FAT COMPOSITION AND METHOD FOR MANUFACTURING SAME	(22) 20.02.2014
(22) 25.01.2017	(73) J-Oil Mills, Inc.	(54) A SYSTEM FOR PRODUCING CHOCOLATE-BASED ARTICLES
(54) PROCESS FOR THE PRODUCTION OF A SOFT BAKERY PRODUCT STORABLE AT ROOM TEMPERATURE	(72) TOKUCHI, Takahiro	(73) IPCO Process systems B.V.
(73) BARILLA G. e R. Fratelli S.p.A.	INOUE, Masahiro	(72) LAURIJSSSEN, F.W.A.
(72) BUTTINI, Roberto	(31) 2015197193	(51) A23G 1/04
FERRARI, Corrado	2016016806	A23G 1/20
RIBOLDI, Giancarlo	(32) 02.10.2015	(11) EP3157350
(31) UB20160236	01.02.2016	(21) EP15751107.2
(32) 01.02.2016	(33) Japan	(47) 12.08.2020
(33) Italy	Japan	(87) IT2015000158
(51) A23B 4/18	(51) A23D 9/00	23.12.2015
A23B 4/20	C11B 1/10	(22) 18.06.2015
A23L 3/3472	C12N 9/02	(54) POURING BATCHING DEVICE FOR FAT-CONTAINING SUBSTANCES, IN PARTICULAR FOR CHOCOLATE
A23L 3/349	C12N 15/29	(73) Live-tech S.r.l.
A23L 3/3499	C12N 15/53	(72) VEGLIO, Domenico
A23L 3/3508	C12N 15/82	(31) TO20140482
A23L 3/3562	C12N 15/113	(32) 18.06.2014
(11) EP3253232	A01H 5/10	(33) Italy
(21) EP16714520.0	(11) EP2840886	(51) A23G 1/30
	(21) EP13782495.9	A61K 39/35
	(47) 12.08.2020	
	(87) AU2013000426	
	31.10.2013	

A23L 5/40	A61K 31/4743	(11) EP3378326
A23L 7/10	A61K 31/496	(21) EP16865330.1
A23L 9/10	A61K 31/506	(47) 12.08.2020
A23L 19/00	A61P 13/02	(87) BR2016050298
A23L 27/00	A61P 29/00	26.05.2017
A23L 27/18	A61P 35/00	(22) 16.11.2016
A23L 27/28	A61Q 11/02	(54) EXTRUDED FEED FORMULA BASED
A23L 27/29	A61Q 17/02	ON CHAFF OF CROPS OR FIELD
A23L 29/212	A61K 6/00	RESIDUES FOR RUMINANTS AND
A23L 29/30	(11) EP3115045	HORSES
A23L 33/00	(21) EP16175305.8	(73) Samaia Neto, Alberto
A23L 33/10	(47) 12.08.2020	(72) PEREIRA DO NASCIMENTO, Rodrigo
A23L 35/00	(22) 26.08.2009	Anselmo
(11) EP3302534	(54) DETECTION AND USE OF LOW	SAMAIA NETO, Alberto
(21) EP16727812.6	MOLECULAR WEIGHT MODULATORS	(31) 102015288824
(47) 12.08.2020	OF THE COLD MENTHOL RECEPTOR	102016266059
(87) GB2016051637	TRPM8	(32) 18.11.2015
08.12.2016	(73) BASF SE	14.11.2016
(22) 03.06.2016	(72) SUBKOWSKI, Thomas	(33) Brazil
(54) ORAL FOOD CHALLENGE MEAL	BOLLSCHWEILER, Claus	Brazil
FORMULATIONS	WITTENBERG, Jens	(51) A23K 20/121
(73) Reacta Biotech Limited	KROHN, Michael	A23K 20/142
(72) MILLS, Clare	ZINKE, Holger	A23K 20/153
BALASUNDARAM, Anuradha	(31) 08162997	A23K 50/40
COSTELLO, Carol Ann	(32) 26.08.2008	A23L 27/00
BARICEVIC-JONES, Ivona	(33) European Patent Office (EPO)	(11) EP3461347
(31) 201509718	(51) A23G 9/42	(21) EP18205691.1
(32) 04.06.2015	(11) EP3139763	(47) 12.08.2020
(33) United Kingdom	(21) EP15713919.7	(22) 31.10.2013
(51) A23G 3/32	(47) 12.08.2020	(54) FLAVOUR ADDITIVES
A23G 3/42	(87) EP2015057618	(73) Mars, Incorporated
A23G 3/54	12.11.2015	(72) MCGRANE, Scott
(11) EP2943074	(22) 08.04.2015	TAYLOR, Andy
(21) EP14701643.0	(54) METHOD FOR MANUFACTURING A	(31) 12190902
(47) 12.08.2020	FROZEN CONFECTION	(32) 31.10.2012
(87) US2014010677	(73) Unilever N.V.	(33) European Patent Office (EPO)
17.07.2014	(72) COX, Andrew Richard	(51) A23L 2/52
(22) 08.01.2014	SCHUETZ, Peter Conrad	A23L 2/66
(54) CARAMEL, CONFECTION	SINGLETON, Scott	A61K 8/64
COMPRISING THE CARAMEL	(31) 14167530	A61K 8/73
AND METHOD OF MAKING THE	(32) 08.05.2014	A61K 31/702
CONFECTION	(33) European Patent Office (EPO)	A61K 33/00
(73) Mars, Incorporated	(51) A23J 1/14	A61K 33/06
(72) RODRIGUES, Tiago	A23J 3/16	A61K 38/16
COMES, Justin	(11) EP2515673	A61K 38/40
SUTER, Alex	(21) EP10838483.5	A61K 38/44
GUTIERREZ, Lydia	(47) 12.08.2020	A61K 45/06
FIRESTONE, Frank	(87) CA2010002061	A61P 1/02
POPESCU, Lauren	30.06.2011	A61P 43/00
DAMODHAR, Hetvi	(22) 22.12.2010	A61Q 5/12
RITTER, Karl	(54) pH ADJUSTED SOY PROTEIN ISOLATE	A61Q 11/00
NAGLE, Rob	AND USES	A23L 27/00
DIXON, Keith	(73) Burcon Nutrascience (MB) Corp.	A23L 33/10
CAPAR, Paul	(72) GREEN, Brent E.	A23L 33/19
REEDER, Paul	MEDINA, Sarah	(11) EP3290041
(31) 201361750374 P	SCHWEIZER, Martin	(21) EP16786138.4
(32) 09.01.2013	SEGALL, Kevin I.	(47) 12.08.2020
(33) United States of America	TERGESEN, Johann	(87) JP2016002171
(51) A23G 9/00	SAMPSON, Russ	03.11.2016
A61G 9/00	ROSSET, Roland	(22) 25.04.2016
A61K 8/00	HAYDEN, Curtis D.	(54) ORAL CARE COMPOSITION
A61K 31/135	CATIPON, Edwin	(73) Japan Mode Co. Ltd.
A61K 31/155	(31) 282141 P	(72) KAWASE, Tarou
A61K 31/357	(32) 22.12.2009	KAWASE, Ryuji
A61K 31/381	(33) United States of America	KAWASE, Akemi
A61K 31/4164	(51) A23K 10/37	(31) 2015090444
A61K 31/443	A23K 50/10	2015095075
A61K 31/445	A23K 50/20	2015122770



2015227257	(73) Turatti S.r.l.	(33) China
2016070214	(72) BOSCHETTI, Italo	(51) A24F 47/00
(32) 27.04.2015	(31) TV20080038	(11) EP3011850
07.05.2015	(32) 06.03.2008	(21) EP15185980.8
18.06.2015	(33) Italy	(47) 12.08.2020
20.11.2015	(51) A23N 15/02	(22) 18.09.2015
31.03.2016	(11) EP3494803	(54) ATOMIZER AND AEROSOL INHALING DEVICE HAVING SAME
(33) Japan	(21) EP18209905.1	(73) Shenzhen First Union Technology Co., Ltd.
Japan	(47) 12.08.2020	(72) LI, Yonghai
Japan	(22) 03.12.2018	XU, Zhongli
Japan	(54) MACHINE FOR DESTEMMING GRAPES	(31) 201420619030 U
(51) A23L 3/00	(73) Bucher Vaslin	(32) 24.10.2014
A23L 3/10	(72) ESPIAU, Pascal	(33) China
A23L 3/12	DOBROWOLSKI, Eric	(51) A24F 47/00
A23L 3/14	NOILET, Pascal	(11) EP3549465
B65B 55/02	(31) 1761844	(21) EP19183293.0
(11) EP3488708	(32) 08.12.2017	(47) 12.08.2020
(21) EP18198027.7	(33) France	(22) 28.06.2019
(47) 12.08.2020	(51) A24B 15/167	(54) ELECTRONIC CIGARETTE
(22) 01.10.2018	A24F 40/42	(73) Shenzhen First Union Technology Co., Ltd.
(54) A RETORT AND A METHOD FOR TEMPERATURE TREATMENT OF PACKAGING CONTAINERS	(11) EP3491941	(72) WU, Yifei
(73) Tetra Laval Holdings & Finance S.A.	(21) EP18212381.0	GUO, Yonglu
(72) FUNKQUIST, Ola	(47) 12.08.2020	XU, Zhongli
(31) 17203289	(22) 06.11.2015	LI, Yonghai
(32) 23.11.2017	(54) ELECTRONIC VAPOUR PROVISION SYSTEM	(31) 201810700964
(33) European Patent Office (EPO)	(73) Nicoventures Holdings Limited	201821030086 U
(51) A23L 3/015	(72) MCADAM, Kevin Gerard	(32) 29.06.2018
A23L 3/3418	BRUTON, Connor	29.06.2018
A23L 3/3463	TRANI, Marina	(33) China
A23L 3/3472	(31) 201419866	China
A61K 35/748	(32) 07.11.2014	(51) A41D 15/00
A23L 17/60	(33) United Kingdom	(11) EP3389424
A23L 33/105	(51) A24D 3/10	(21) EP16826114.7
A23L 33/115	C10M 101/00	(47) 12.08.2020
A23L 33/135	D01F 11/02	(87) FR2016053548
(11) EP2887825	D06M 13/02	22.06.2017
(21) EP13762186.8	(11) EP3409829	(22) 19.12.2016
(47) 12.08.2020	(21) EP17173524.4	(54) CONVERTIBLE GARMENT
(87) FR2013051965	(47) 12.08.2020	(73) Berrebi, Nathalie
06.03.2014	(22) 30.05.2017	(72) Berrebi, Nathalie
(22) 26.08.2013	(54) COMPOSITION COMPRISING HYDROCARBONS, EMULSIFIERS AND WATER, ITS USE AND PRODUCTS	(31) 1562624
(54) FOOD COMPOSITION CONTAINING FRESH SPIRULINA AND PRODUCTION METHOD THEREOF	COMPRISING SUCH COMPOSITION	(32) 17.12.2015
(73) Dareville, Eric	(73) Rhodia Acetow GmbH	(33) France
(72) Dareville, Eric	(72) SCHUTZ, Eckart	(51) A41D 27/28
(31) 1258003	MANN, Dieter	A41D 1/08
(32) 27.08.2012	(51) A24F 7/00	(11) EP3297475
(33) France	A24F 40/10	(21) EP16725001.8
(51) A23N 12/02	A24F 40/40	(47) 12.08.2020
A23N 12/06	(11) EP3406149	(87) US2016030750
(11) EP2262386	(21) EP18197473.4	01.12.2016
(21) EP09718540.9	(47) 12.08.2020	(22) 04.05.2016
(47) 12.08.2020	(22) 28.09.2018	(54) ARTICLE OF APPAREL HAVING DYNAMIC VENT-SLIT STRUCTURE
(87) IB2009000446	(54) ATOMIZER CAPABLE OF REFILLING TOBACCO LIQUID AND ELECTRONIC CIGARETTE HAVING SAME	(73) NIKE Innovate C.V.
11.09.2009	(73) Shenzhen First Union Technology Co., Ltd.	(72) AIHARA, Yuki
(22) 05.03.2009	(72) FAN, Fangqin	(31) 201514719894
(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	GUO, Yonglu	(32) 22.05.2015
	LI, Yonghai	(33) United States of America
	XU, Zhongli	(51) A42B 3/08
	(31) 201721278706 U	A42B 3/14
	(32) 30.09.2017	A61F 9/06
		(11) EP3479715
		(21) EP18210964.5
		(47) 12.08.2020

(22) 13.01.2017	(11) EP3297479	(21) EP11854770.2
(54) HEADBAND ARRANGEMENT FOR A WELDING HELMET	(21) EP16732016.7	(47) 12.08.2020
(72) Tecmen Electronics Co., Ltd.	(47) 12.08.2020	(87) US2011063927
(72) WU, Ziquian	(87) US2016032103	12.07.2012
(31) 201620864542 U	24.11.2016	(22) 08.12.2011
201621377700 U	(22) 12.05.2016	(54) UNITARY UPPER AND MIDSOLE
(32) 10.08.2016	(54) METHOD AND APPARATUS FOR	(73) All Star C.V.
15.12.2016	RETAINING AND TRANSFERRING AN	(72) MCDOWELL, Sean Michael
(33) China	ARTICLE	EDINGTON, Christopher L.
China	(73) Nike Innovate C.V.	(31) 983573
(51) A42B 3/30	(72) BEVIER, Joseph J.	(32) 03.01.2011
H04R 1/10	ERNST, Travis K.	(33) United States of America
H04R 3/00	(31) 201514718805	(51) A43D 1/02
H04R 25/00	(32) 21.05.2015	A43D 1/06
G10L 13/02	(33) United States of America	A43D 1/08
G10L 25/84	(51) A43B 5/04	(11) EP3212026
H04B 1/3827	A43B 11/00	(21) EP15787880.2
(11) EP3316253	(11) EP2387335	(47) 12.08.2020
(21) EP15864302.3	(21) EP09838573.5	(87) US2015057408
(47) 12.08.2020	(47) 12.08.2020	06.05.2016
(87) CN2015094438	(87) US2009069011	(22) 26.10.2015
29.12.2016	22.07.2010	(54) SHOE AND/OR INSOLE SELECTION
(22) 12.11.2015	(22) 21.12.2009	SYSTEM
(54) SPEECH SYNTHESIS DEVICE,	(54) SUPPORTIVE SPORT BOOT MADE OF	(73) Superfeet Worldwide, Inc.
SPEECH SYNTHESIS METHOD,	RIGID MATERIALS	(72) GOOCH, Matthew Warren
BONE CONDUCTION HELMET, AND	(73) Perfect Storm Sports Technology Llc	HAYES, Eric
HEARING AID	(72) DODGE, David, J.	WAKELAND, Daniel
(73) BOE Technology Group Co., Ltd.	(31) 562199	(31) 201414527655
(72) LIANG, Xuan	145146 P	(32) 29.10.2014
(31) 201510358985	(32) 18.09.2009	(33) United States of America
(32) 25.06.2015	16.01.2009	(51) A43D 25/06
(33) China	(33) United States of America	A43D 25/18
(51) A43B 1/04	United States of America	(11) EP3453275
A43B 23/02	(51) A43B 7/14	(21) EP18193064.5
A43C 1/04	A43B 7/28	(47) 12.08.2020
A43C 5/00	A43B 13/18	(22) 06.09.2018
(11) EP3644779	A43B 13/20	(54) APPARATUS AND METHOD TO APPLY
(21) EP17736876.8	(11) EP3381312	AN ADHESIVE ON ARTICLES
(47) 12.08.2020	(21) EP18169504.0	(73) Program Adhesive S.R.L.
(87) EP2017000750	(47) 12.08.2020	(72) Campion, Giovanni
03.01.2019	(22) 20.03.2014	(31) 201700100574
(22) 27.06.2017	(54) ARTICLE OF FOOTWEAR WITH	(32) 07.09.2017
(54) SHOE, ESPECIALLY SPORTS SHOE	TENSILE STRUCTURE	(33) Italy
(73) PUMA SE	(73) NIKE Innovate C.V.	(51) A44C 5/14
(72) SIEGISMUND, Andreas	(72) Elder, Zachary M.	A61B 5/00
GIRARD, Romain	James, Dervin A.	A61B 5/0205
(51) A43B 3/00	Kilgore, Elizabeth A.	(11) EP3528698
A43B 3/24	(31) 201313849348	(21) EP17794911.2
A43B 13/20	(32) 22.03.2013	(47) 12.08.2020
A43B 13/22	(33) United States of America	(87) EP2017076752
A43B 13/36	(51) A43B 13/12	26.04.2018
(11) EP3432752	A43B 13/14	(22) 19.10.2017
(21) EP17838325.3	A43B 13/18	(54) WEARABLE SENSING DEVICE
(47) 12.08.2020	(11) EP1982609	(73) Livassured B.V.
(87) CN2017075880	(21) EP08014237.5	(72) TIELENS, Theo Ary Asmund
15.02.2018	(47) 12.08.2020	HAAN, DE, Michiel
(22) 07.03.2017	(22) 24.09.2003	(31) 2017648
(54) MODULAR SOLE STRUCTURE	(54) Sliding element and shoe sole	(32) 20.10.2016
(73) Zhejiang Geely Holding Group Co., Ltd.	(73) adidas International Marketing B.V.	(33) Netherlands
Zhejiang Geely Automobile Research	(72) Manz, Gerd Rainer	(51) A45B 11/00
Institute Co., Ltd.	Hill, Jan	A45B 23/00
(72) Li, Shufu	Steszyn, Michael	E04H 12/18
(31) 201610653153	Krabbe, Berthold	(11) EP3478114
(32) 08.08.2016	(31) 10244435	(21) EP17739843.5
(33) China	(32) 24.09.2002	(47) 12.08.2020
(51) A43B 3/00	(33) Germany	(87) AT2017000052
A47G 25/26	(51) A43B 13/28	04.01.2018
	(11) EP2661187	(22) 28.06.2017

(54) UMBRELLA, IN PARTICULAR FOR PROTECTION FROM THE SUN OR RAIN, AND BEARING DEVICE FOR SUCH AN UMBRELLA	(54) EARBUD CASE WITH CHARGING SYSTEM	JONES, Jonathan Martin CRANE, Simon John ALLAN, Timothy Mark
(73) WBB Solutions GmbH	(73) Apple Inc.	(31) 62622814
(72) MAIER, Wolfgang	(72) MCPEAK, James L.	62824514
GRATZER, Alfred	CHANDRAMOHAN, Chandrahas	(32) 13.06.2014
(31) 15616 U	Aralaguppe	04.08.2014
(32) 29.06.2016	ZÖRKENDÖRFER, Rico L.	(33) New Zealand
(33) Austria	PANECKI, Lee L.	New Zealand
<hr/>	KASAR, Darshan R.	<hr/>
(51) A45B 19/04	WAGMAN, Daniel C.	(51) A45D 33/02
A45B 19/10	RICH, Zachary C.	A45D 40/00
A45B 25/14	(31) 201562235205 P	(11) EP3485761
A45B 25/16	201562235213 P	(21) EP17202559.5
(11) EP3434138	201562235219 P	(47) 12.08.2020
(21) EP17769291.0	201562235226 P	(22) 20.11.2017
(47) 12.08.2020	201662384114 P	(54) PORTABLE CONTAINER FOR CONTAINING FOUNDATION CREAM
(87) CN2017075490	(32) 30.09.2015	(73) Song, Seon Hye
28.09.2017	30.09.2015	(72) Song, Seon Hye
(22) 02.03.2017	30.09.2015	<hr/>
(54) ELECTRIC FOLDING/UNFOLDING MULTI-FOLD UMBRELLA	06.09.2016	(51) A45D 34/04
(73) Shenzhen Yuanfa Umbrella Co., Ltd.	(33) United States of America	A45D 40/26
LV, Sunbao	United States of America	(11) EP3528660
(72) LV, Sunbao	United States of America	(21) EP17793910.5
(31) 201610167706	United States of America	(47) 12.08.2020
(32) 22.03.2016	United States of America	(87) EP2017077196
(33) China	United States of America	03.05.2018
<hr/>	<hr/>	(22) 24.10.2017
(51) A45C 11/00	(51) A45D 1/00	(54) COSMETIC PRODUCT APPLICATOR AND ASSOCIATED APPLICATION PROCESS
A45D 33/26	A45D 2/00	(73) L'Oréal
A45D 40/18	A45D 34/00	(72) LEONARD, Alexis
A45D 44/00	(11) EP3554306	(31) 1660300
(11) EP3530140	(21) EP17818512.0	(32) 24.10.2016
(21) EP19157745.1	(47) 12.08.2020	(33) France
(47) 12.08.2020	(87) EP2017082656	<hr/>
(22) 18.02.2019	21.06.2018	(51) A45D 34/04
(54) INTERACTIVE BOX FOR COSMETIC PRODUCT, IN PARTICULAR MAKE-UP	(22) 13.12.2017	A47K 5/12
(73) Albéa Services	(54) COSMETIC PRODUCT REFILL FOR A HAIR TREATMENT DEVICE	A47K 5/16
(72) EZZINA, Emir	(73) L'OREAL	A47K 7/04
BRIERE, Etienne	SEB S.A.	A61H 7/00
BAZINVAL, Melodie	(72) WOODLAND, Frédéric	A61H 15/00
SEGUIN, Franck	NUZZO, Stefania	A61H 33/04
(31) 1851719	VIC, Gabin	A61H 35/00
(32) 27.02.2018	LAPIZE, Sandy	B01F 3/04
(33) France	(31) 1662511	B01F 7/00
<hr/>	(32) 15.12.2016	B01F 13/00
(51) A45C 11/00	(33) France	B05B 3/02
A45D 44/18	(51) A45D 1/00	B05B 15/25
A61C 19/02	A45D 2/08	(11) EP3348166
(11) EP3500211	A45D 2/10	(21) EP18150260.0
(21) EP16764049.9	A45D 2/12	(47) 12.08.2020
(47) 12.08.2020	A45D 2/24	(22) 04.01.2018
(87) US2016050356	A45D 2/36	(54) BEAUTY APPARATUS
15.03.2018	A45D 4/16	(73) Panasonic Intellectual Property Management Co., Ltd.
(22) 06.09.2016	A45D 6/12	(72) HASHIMOTO, Natsumi
(54) CASE FOR DENTAL TREATMENT DEVICE	A45D 6/20	HASHIGUCHI, Tetsuro
(73) Colgate-Palmolive Company	A45D 7/02	YABUUCHI, Seiko
(72) BECKERMAN, Scott	A46B 9/02	(31) 2017003164
LANZA, Andrew	(11) EP3154391	(32) 12.01.2017
<hr/>	(21) EP15806654.8	(33) Japan
(51) A45C 11/00	(47) 12.08.2020	<hr/>
H04R 1/10	(87) NZ2015050074	(51) A45D 34/04
H04R 5/033	17.12.2015	A61B 17/54
(11) EP3151582	(22) 12.06.2015	A61H 15/02
(21) EP16190200.2	(54) HAIR CONDITIONING TREATMENT APPARATUS AND METHOD	A61M 35/00
(47) 12.08.2020	(73) Roholm Limited	(11) EP3237055
(22) 22.09.2016	(72) REES-JONES, Blythe Guy	(21) EP15874357.5
	ROE, David Erl	(47) 12.08.2020

(87) US2015067531 30.06.2016	(11) EP3228226	E05B 1/00
(22) 22.12.2015	(21) EP16167187.0	E05B 5/00
(54) DEVICES AND METHODS FOR TREATING THE SKIN USING A ROLLERBALL OR A WICKING MEMBER	(47) 12.08.2020	E05B 15/04
(73) Edge Systems LLC	(22) 27.04.2016	E05B 15/16
(72) IGNON, Roger	(54) LIGHT ELEMENT OF FURNITURE SYSTEM	H02B 1/30
NICOLAS, Ed F.	(73) Bulthaup GmbH & Co. KG	H02B 1/38
(31) 201462096493 P	(72) ECKERT, Marc Oliver	H05K 5/02
201562235479 P	(21) EP3498940	(11) EP3498940
(32) 23.12.2014	(21) EP18207039.1	(21) EP18207039.1
30.09.2015	(47) 12.08.2020	(47) 12.08.2020
(33) United States of America	(31) 102016004268	(22) 19.11.2018
United States of America	(32) 08.04.2016	(54) GRIP ELEMENT FOR INSTALLATION IN THE FRONT END OF A CABINET DOOR, IN PARTICULAR A SWITCHING CABINET
(51) A45D 40/26	(33) Germany	(73) ABB Schweiz AG
A46B 3/18	(51) A47B 87/00	(72) Roth, Michael
A46B 9/02	(11) EP3422904	Kilgus, Kai
(11) EP3346870	(21) EP17723443.2	Goor, Gerrit Klaas
(21) EP16763742.0	(47) 12.08.2020	Witte, Adriaan Marinus
(47) 12.08.2020	(87) FI2017050124	(31) 202017107662 U
(87) EP2016070762	08.09.2017	(32) 15.12.2017
16.03.2017	(22) 26.02.2017	(33) Germany
(22) 02.09.2016	(54) MODULAR FURNITURE ARRANGEMENT COMPRISING ELECTRICALLY AND MECHANICALLY CONNECTABLE MODULE FURNITURE PARTS	(51) A47B 96/02
(54) BRUSH FOR APPLYING A PRODUCT TO THE EYELASHES OR EYEBROWS	(73) ABSOLUTE MODULE OY	A47B 96/06
(73) L'Oréal	(72) MORIMOTO, Tepei	(11) EP2773241
(72) BERHAULT, Alain	(31) 20165157	(21) EP12775701.1
CAULIER, Eric	(32) 29.02.2016	(47) 12.08.2020
THENIN, Audrey	(33) Finland	(87) EP2012071134
(31) 1558312	(51) A47B 88/493	10.05.2013
(32) 08.09.2015	A47B 88/90	(22) 25.10.2012
(33) France	(11) EP3393301	(54) HOLDING DEVICE
(51) A46B 5/00	(21) EP16794923.9	(73) Elfa International AB
A46B 13/00	(47) 12.08.2020	(72) NILSSON, Peter
A46B 15/00	(87) AT2016060090	(31) 11187250
(11) EP3007856	29.06.2017	(32) 31.10.2011
(21) EP14810257.7	(22) 27.10.2016	(33) European Patent Office (EPO)
(47) 12.08.2020	(54) DRAWER ASSEMBLY	(51) A47B 96/20
(87) US2014040069	(73) Julius Blum GmbH	(11) EP3258814
18.12.2014	(72) GASSER, Ingo	(21) EP16703933.8
(22) 29.05.2014	ISELE, Herbert	(47) 12.08.2020
(54) PERFORMANCE REGULATION FOR A SKIN CARE APPLIANCE	MEUSBURGER, Marc	(87) EP2016051617
(73) L'Oréal	NETZER, Emanuel	25.08.2016
Grez, Joseph	(31) 8052015	(22) 27.01.2016
(72) GREZ, Joseph	(32) 22.12.2015	(54) EDGE STRIP
BREWER, Gerald	(33) Austria	(73) SURTECO GmbH
PILCHER, Kenneth	(51) A47B 91/16	(72) SCHUNCK, Stephan
(31) 201313917201	D06F 39/12	PETRAKIS, Jordanis
(32) 13.06.2013	F16M 7/00	SCHULTE, Peter
(33) United States of America	(11) EP3444395	(31) 202015100800 U
(51) A47B 57/36	(21) EP16898345.0	(32) 19.02.2015
(11) EP3437515	(47) 12.08.2020	(33) Germany
(21) EP18186043.8	(87) CN2016085074	(51) A47C 3/12
(47) 12.08.2020	19.10.2017	A47C 7/02
(22) 27.07.2018	(22) 07.06.2016	B64D 11/06
(54) MODULAR FURNITURE	(54) WASHING MACHINE FOOT HAVING AUTOMATIC LEVELLING FUNCTION, AND WASHING MACHINE	(11) EP3280293
(73) Sánchez Antón, Jose María	(73) Qingdao Haier Washing Machine Co., Ltd.	(21) EP16777341.5
(72) Sánchez Antón, Jose María	Qingdao Haier Smart Technology R&D Co., Ltd.	(47) 12.08.2020
(31) 201730934 U	(72) ZHAO, Zhiqiang	(87) US2016026615
(32) 03.08.2017	XU, Sheng	13.10.2016
(33) Spain	(31) 201610229105	(22) 08.04.2016
(51) A47B 77/00	(32) 13.04.2016	(54) HYBRID SEAT PAN AND DIAPHRAGM
A47F 5/08	(33) China	(73) Franklin Products, Inc.
F21V 33/00	(51) A47B 95/02	(72) VELASCO, Howard
F21W 131/301		(31) 201562145617 P
		(32) 10.04.2015
		(33) United States of America
		(51) A47C 7/00

A47C 7/50	(51) A47G 9/10	A47J 31/52
A47C 9/00	(11) EP3439509	A47J 31/56
(11) EP3646758	(21) EP17720204.1	(11) EP3446600
(21) EP18823594.9	(47) 12.08.2020	(21) EP17187825.9
(47) 12.08.2020	(87) GB2017050910	(47) 12.08.2020
(87) ES2018070190	12.10.2017	(22) 24.08.2017
03.01.2019	(22) 31.03.2017	(54) METHOD AND DEVICE FOR
(22) 13.03.2018	(54) SPRUNG PILLOW	BEVERAGE MAKING
(54) SUPPORT FOR A POLE AND	(73) Miles, Alexander	(73) Eksen Makine Sanayi ve Ticaret A.S.
FOOTREST OF A STOOL	(72) Miles, Alexander	(72) ÖZGE, Ragıp Okan
(73) Miguelez, S.L.	(31) 201605952	<hr/>
(72) MIGUELEZ PARIENTE, Jorge	201701724	(51) A47J 31/44
(31) 201730791 U	(32) 07.04.2016	(11) EP3250093
(32) 30.06.2017	02.02.2017	(21) EP16707372.5
(33) Spain	(33) United Kingdom	(47) 12.08.2020
<hr/>	United Kingdom	(87) CH2016000023
(51) A47D 1/00	<hr/>	04.08.2016
(11) EP3251558	(51) A47J 27/00	(22) 29.01.2016
(21) EP17155622.8	A23L 7/196	(54) HOT DRINK MACHINE WITH SENSOR
(47) 12.08.2020	(11) EP3041369	(73) JURA Elektroapparate AG
(22) 10.02.2017	(21) EP14777689.2	(72) REYHANLOO, Shahryar
(54) INFANT ACTIVITY CENTER	(47) 12.08.2020	(31) 15405008
(73) Skip-Hop, Inc.	(87) FR2014052167	(32) 30.01.2015
(72) HEALY, John	12.03.2015	(33) European Patent Office (EPO)
BEARSCH, Benjamin	(22) 02.09.2014	<hr/>
VILLANO, Janet	(54) METHOD FOR PRETREATING	(51) A47J 31/52
DIAMANT, Ellen	CEREALS, IN PARTICULAR RICE	(11) EP3278692
(31) 201662294532 P	(73) Rice Technologies	(21) EP17182519.3
201662300439 P	(72) BENOIT, Jean-Louis	(47) 12.08.2020
(32) 12.02.2016	(31) 1358421	(22) 21.07.2017
26.02.2016	(32) 03.09.2013	(54) METHOD FOR OPERATING A
(33) United States of America	(33) France	BEVERAGE MACHINE FROM
United States of America	<hr/>	A PLURALITY OF BEVERAGE
<hr/>	(51) A47J 27/08	MACHINES
(51) A47F 3/04	A47J 36/20	(73) Melitta Professional Coffee Solutions
F25B 49/02	A23L 5/10	GmbH & Co. KG
F25D 11/02	A23L 7/10	(72) BUCHHOLZ, Bernd
(11) EP3289295	(11) EP3487367	NAGEL, Jürgen
(21) EP16711638.3	(21) EP17754748.6	(31) 102016114351
(47) 12.08.2020	(47) 12.08.2020	(32) 03.08.2016
(87) EP2016056408	(87) FR2017052024	(33) Germany
03.11.2016	25.01.2018	<hr/>
(22) 23.03.2016	(22) 21.07.2017	(51) A47J 36/02
(54) CHILLER CABINET DEVICE	(54) METHOD FOR CONTROLLING AN	C09D 183/04
(73) AHT Cooling Systems GmbH	ELECTRIC COOKER	C23C 18/12
(72) RESCH, Reinhold	(73) SEB S.A.	(11) EP2730678
(31) 102015106620	(72) LV, Hua	(21) EP13191586.0
(32) 29.04.2015	MA, Chao	(47) 12.08.2020
(33) Germany	GOYON, Annabelle	(22) 05.11.2013
<hr/>	(31) 1657066	(54) ARTICLE MADE OF CAST STEEL
(51) A47F 10/02	(32) 22.07.2016	COMPRISED A VITREOUS COATING
G09F 19/02	(33) France	AND METHOD OF MANUFACTURING
G06Q 30/02	<hr/>	SUCH AN ARTICLE
G06Q 30/06	(51) A47J 27/62	(73) SEB S.A.
(11) EP3217345	F24C 7/08	(72) Muller, Pierre Jean
(21) EP17163581.6	H05B 1/02	Dubanchet, Aurélien
(47) 12.08.2020	H05B 6/68	Perillon, Jean-Luc
(22) 20.09.2012	(11) EP3068271	(31) 1260766
(54) COMMODITY INTRODUCTION	(21) EP14792494.8	(32) 13.11.2012
SYSTEM AND COMMODITY	(47) 12.08.2020	(33) France
INTRODUCTION METHOD	(87) EP2014073406	<hr/>
(73) Positec Power Tools (Suzhou) Co., Ltd	21.05.2015	(51) A47J 37/06
(72) ANDRIOLO, Paolo	(22) 31.10.2014	F24C 7/04
BORINATO, Gianni	(54) SMART COOKING APPARATUS AND	(11) EP3376918
CAPANNA, Roberto	METHOD	(21) EP16809497.7
(31) 201110279785	(73) Koninklijke Philips N.V.	(47) 12.08.2020
201210206881	(72) DE SAMBER, Marc Andre	(87) FR2016052958
(32) 20.09.2011	(31) 13192829	26.05.2017
21.06.2012	(32) 14.11.2013	(22) 15.11.2016
(33) China	(33) European Patent Office (EPO)	(54) DEVICE AND METHOD FOR
China	<hr/>	DEFROSTING, REHEATING AND/OR
<hr/>	(51) A47J 31/18	COOKING A FOOD PRODUCT

(73) BOUTELOUP, Claude Nouraud, David	(54) DISPENSER FOR INTERFOLDED NAPKINS	(87) KR2016015379 06.07.2017
(72) BOUTELOUP, Claude Nouraud, David	(73) Essity Hygiene and Health Aktiebolag	(22) 28.12.2016
(31) 1561085	(72) LARSSON, Björn	(54) CLEANING ROBOT AND METHOD FOR CONTROLLING CLEANING ROBOT
(32) 18.11.2015	HODOSSY, Sofia	(73) Samsung Electronics Co., Ltd.
(33) France	STENBERG, Martin	(72) HAN, Seong Joo
(51) A47J 37/08	BERGLIN, Viktor	(31) 20150187427
H05B 3/02	RITTFELDT, Mårten	20160026295
H05B 3/10	CARLSTEDT, Susanne	(32) 28.12.2015
(11) EP3116359	(51) A47K 10/42	04.03.2016
(21) EP15761039.5	B65H 45/24	(33) Korea (Republic)
(47) 12.08.2020	(11) EP3515270	Korea (Republic)
(87) US2015020359	(21) EP16775529.7	
17.09.2015	(47) 12.08.2020	(51) A47L 9/04
(22) 13.03.2015	(87) EP2016072329	(11) EP2664263
(54) RAPID-TOASTING TOASTER	29.03.2018	(21) EP11855801.4
(73) Spectrum Brands, Inc.	(22) 20.09.2016	(47) 12.08.2020
(72) MARSCHKE, Karl Warner	(54) STACK OF PAPER SHEETS, DISPENSER HAVING SUCH A STACK AND METHOD FOR FORMING SUCH A STACK	(87) CN2011084730 19.07.2012
KINNEY, Kevin Bruce	(73) Essity Hygiene and Health Aktiebolag	(22) 27.12.2011
(31) 201461953451 P	(72) FALK, Magnus	(54) VACUUM CLEANER AND SUCTION NOZZLE THEREOF
(32) 14.03.2014	DENIS, Yoann	(73) Ecovacs Robotics Co., Ltd.
(33) United States of America	CARLSON, Paul	(72) FENG, Yongbing
(51) A47J 43/046	(51) A47K 13/30	(31) 201110023709
A47J 43/07	B29C 43/20	(32) 14.01.2011
A47J 43/08	(11) EP3444094	(33) China
(11) EP3468434	(21) EP18000509.2	(51) A47L 9/16
(21) EP17729073.1	(47) 12.08.2020	A47L 9/20
(47) 12.08.2020	(22) 08.06.2018	A47L 9/28
(87) EP2017063507	(54) HEATED TOILET SEAT AND MANUFACTURING METHOD THEREOF	(11) EP3409172
21.12.2017	(73) Xiamen Moext Intelligent Technology Co., Ltd.	(21) EP18153499.1
(22) 02.06.2017	(72) Gong, Binhua	(47) 12.08.2020
(54) ELECTRIC-MOTOR-DRIVEN FOOD PROCESSOR	(31) 201710712858	(22) 25.01.2018
(73) Vorwerk & Co. Interholding GmbH	(32) 18.08.2017	(54) SELF-CLEANING VACUUM CLEANER
(72) HANNEMANN, Peter	(33) China	(73) Candy Hoover (Suzhou) Co. Ltd.
STACH, Christiane	(51) A47L 5/36	(72) BIAN, Xiaolong
(31) 102016110827	A47L 9/00	BASSETT, Alexander Anthony Denny
(32) 13.06.2016	A47L 9/28	(31) 201710399302
(33) Germany	G02B 26/00	(32) 31.05.2017
(51) A47K 10/06	(11) EP3403560	(33) China
F24D 13/02	(21) EP18176957.1	(51) A47L 15/00
F24H 3/00	(47) 12.08.2020	A47L 15/42
F28D 1/053	(22) 23.02.2017	(11) EP3354183
H05B 3/54	(54) VACUUM CLEANER AND METHOD OF DISPLAYING STATE THEREOF	(21) EP18152742.5
(11) EP3339764	(73) LG Electronics Inc.	(47) 12.08.2020
(21) EP17207931.1	(72) SON, Jungkyu	(22) 22.01.2018
(47) 12.08.2020	NAM, Bohyun	(54) DISHWASHER
(22) 18.12.2017	PARK, Jaeyong	(73) LG Electronics Inc.
(54) DEVICE FOR HEATING A ROOM, ASSEMBLABLE MODULAR HEATING SYSTEM THEREWITH AND PROCESS FOR PRODUCING THE DEVICE	BAE, Sehwan	(72) KIM, Seunghun
(73) DL RADIATORS S.R.L.	(31) 20160024022	KIM, Ilhwan
(72) SPERANZON, Renato	20160036257	WOO, Sangwoo
VALENTE, Stefano	(32) 29.02.2016	(31) 20170013008
(31) 201600129225	25.03.2016	(32) 26.01.2017
(32) 21.12.2016	(33) Korea (Republic)	(33) Korea (Republic)
(33) Italy	Korea (Republic)	(51) A47L 15/23
(51) A47K 10/20	(51) A47L 9/00	A47L 15/42
A47K 10/42	A47L 9/28	(11) EP2635172
(11) EP3079547	B25J 9/00	(21) EP11773000.2
(21) EP13899230.0	B25J 9/16	(47) 12.08.2020
(47) 12.08.2020	B25J 11/00	(87) EP2011068518
(87) SE2013051472	(11) EP3366181	10.05.2012
18.06.2015	(21) EP16882083.5	(22) 24.10.2011
(22) 09.12.2013	(47) 12.08.2020	(54) DISHWASHER COMPRISING AT LEAST ONE ROTATABLE SPRAY ARM
		(73) BSH Hausgeräte GmbH
		(72) BÜSING, Johannes
		JAKOB, Christian

NANNT, Hans-Peter	(21) EP16162242.8	(54) Fringe projection system for a probe with intensity modulating element suitable for phase-shift analysis, and intensity modulating element
(31) 102010043462	(47) 12.08.2020	
(32) 05.11.2010	(22) 20.05.2004	
(33) Germany	(54) ENDOSCOPIC BITE BLOCK	
(51) A61B 1/00	(73) Oridion Medical 1987 Ltd.	(73) General Electric Company
A61B 1/005	(72) COLMAN, Joshua Lewis	(72) Bendall, Clark Alexander
A61B 1/045	LEVITSKY, Gershon	Chilek, Theodore Alexander
A61B 1/05	PORAT, Ron	(31) 201113100826
A61B 5/06	(31) 472368 P	(32) 04.05.2011
G02B 23/24	(32) 20.05.2003	(33) United States of America
H04N 7/18	(33) United States of America	(51) A61B 1/12
A61B 34/20	(51) A61B 1/00	A61L 2/18
A61B 90/00	A61B 1/018	A61L 2/24
A61B 90/30	A61B 1/12	A61B 90/70
(11) EP3473158	A61B 8/12	(11) EP3289996
(21) EP17813065.4	(11) EP3158913	(21) EP17188609.6
(47) 12.08.2020	(21) EP16193948.3	(47) 12.08.2020
(87) JP2017018211	(47) 12.08.2020	(22) 30.08.2017
21.12.2017	(22) 14.10.2016	(54) A MEDICAL DEVICE PROCESSOR
(22) 15.05.2017	(54) ENDOSCOPE	(73) ASP Global Manufacturing GmbH
(54) NAVIGATION DEVICE, NAVIGATION METHOD, AND ENDOSCOPE SYSTEM	(73) FUJIFILM Corporation	(72) NGUYEN, Nick N.
(73) FUJIFILM Corporation	(72) MORIMOTO, Yasuhiko	FANG, Yan
(72) SHIMOMURA, Koji	(31) 2015209125	(31) 201615252550
(31) 2016119782	(32) 23.10.2015	(32) 31.08.2016
(32) 16.06.2016	(33) Japan	(33) United States of America
(33) Japan	(51) A61B 1/00	(51) A61B 3/10
(51) A61B 1/00	A61B 1/04	G01B 9/02
A61B 1/005	A61B 1/06	(11) EP2991538
A61B 17/00	A61B 5/1455	(21) EP14792134.0
A61M 25/01	H04N 7/18	(47) 12.08.2020
A61B 34/00	(11) EP2730209	(87) US2014036175
A61B 34/30	(21) EP12807713.8	06.11.2014
(11) EP3090776	(47) 12.08.2020	(22) 30.04.2014
(21) EP16175536.8	(87) JP2012064974	(54) PARALLEL OPTICAL COHERENCE TOMOGRAPHY APPARATUSES, SYSTEMS, AND RELATED METHODS
(47) 12.08.2020	10.01.2013	(73) IDX LLC
(22) 29.04.2010	(22) 12.06.2012	(72) ABRAMOFF, Michael
(54) FLEXIBLE AND STEERABLE ELONGATE INSTRUMENTS WITH SHAPE CONTROL AND SUPPORT ELEMENTS	(54) ENDOSCOPE SYSTEM	DEHOOG, Edward
(73) Auris Health, Inc.	(73) FUJIFILM Corporation	(31) 201361817413 P
(72) ALVAREZ, Jeffery B.	(72) SAITO, Takaaki	(32) 30.04.2013
LEWIS, Casey	YAMAGUCHI, Hiroshi	(33) United States of America
MACNAMARA, Francis	IIDA, Takayuki	(51) A61B 3/10
ROMO, Enrique	(31) 2011149994	G06T 7/00
TANNER, Neal A.	(32) 06.07.2011	(11) EP3289565
YEE, William K.	(33) Japan	(21) EP16727840.7
(31) 432683	(51) A61B 1/00	(47) 12.08.2020
432701	A61B 1/12	(87) IB2016052462
432722	(11) EP2689714	03.11.2016
(32) 29.04.2009	(21) EP13190126.6	(22) 29.04.2016
29.04.2009	(47) 12.08.2020	(54) METHOD AND DEVICE FOR THE NON-INVASIVE INDIRECT IDENTIFICATION OF SITES OF ALTERATIONS OF THE BLOOD-RETINAL BARRIER
29.04.2009	(22) 24.02.2012	(73) AIBILI - Associacao para Investigacao Biomedica e Inovacao em Luz e Imagem
(33) United States of America	(54) Endoscope	(72) FERNANDES DA CUNHA-VAZ, José
United States of America	(73) FUJIFILM Corporation	Guilherme
United States of America	(72) Ikeda, Toshiyuki	BARREIRA PAREDES DOS SANTOS, Torcato Miguel
(51) A61B 1/00	Ohki, Tomohiro	(31) 2015108418
A61B 1/01	(31) 2011043848	2015108812
A61B 1/015	(32) 01.03.2011	2015109028
A61B 1/24	(33) Japan	PCT/IB2015/060078
A61B 1/273	(51) A61B 1/05	(32) 29.04.2015
A61B 5/097	A61B 1/06	10.09.2015
A61M 16/04	G01B 11/25	10.12.2015
A61M 16/06	G01N 21/88	31.12.2015
A61M 16/08	G01N 21/954	
A61B 90/16	G02B 23/24	
(11) EP3061483	(11) EP2520217	
	(21) EP12166473.4	
	(47) 12.08.2020	
	(22) 02.05.2012	

(33) Portugal	(22) 24.11.2016	A61B 5/024
Portugal	(54) WEARABLE NON-INVASIVE	A61B 5/0295
Portugal	APPARATUS FOR ENHANCING	(11) EP2996553
World Intellectual Property Office (WIPO)	LOWER LIMBS VENOUS RETURN OF	(21) EP14798224.3
(51) A61B 3/107	A SUBJECT	(47) 12.08.2020
A61F 9/008	(73) Agency for Science, Technology and	(87) FI2014050372
(11) EP3424405	Research	20.11.2014
(21) EP18171921.2	(72) NG, Xu Wen	(22) 15.05.2014
(47) 12.08.2020	MOK, Wan Loong James	(54) PORTABLE PULSE MEASURING
(22) 02.02.2015	KAN, Enci Mary	DEVICE
(54) SYSTEM FOR LASER CORNEAL	CHEE, Ka Mung	(73) PulseOn Oy
INCISIONS FOR KERATOPLASTY	(31) 10201509867X	(72) NOUSIAINEN, Jari
PROCEDURES	(32) 01.12.2015	KORHONEN, Ilkka
(73) AMO Development, LLC	(33) Singapore	(31) 20135520
(72) SCOTT, David D.	(51) A61B 5/00	(32) 15.05.2013
(31) 201461935471 P	A61B 5/02	(33) Finland
(32) 04.02.2014	A61B 5/0295	(51) A61B 5/00
(33) United States of America	A61B 5/107	A61B 5/03
(51) A61B 5/00	A61B 5/117	A61B 5/087
(11) EP3253281	(11) EP3424422	A61M 11/00
(21) EP16747308.1	(21) EP17759495.9	A61M 15/00
(47) 12.08.2020	(47) 12.08.2020	A61M 15/08
(87) US2016016668	(87) JP2017002792	A61M 16/00
11.08.2016	08.09.2017	A61M 16/04
(22) 04.02.2016	(22) 26.01.2017	A61M 16/08
(54) DETERMINING HEALTH CHANGE OF	(54) BIOMETRIC INFORMATION	A61M 16/14
A USER WITH NEURO AND NEURO-	MEASUREMENT DEVICE, INDIVIDUAL	(11) EP3285645
MECHANICAL FINGERPRINTS	IDENTIFICATION DEVICE, INDIVIDUAL	(21) EP16717650.2
(73) Aerendir Mobile Inc.	IDENTIFICATION METHOD, AND	(47) 12.08.2020
(72) ZIZI, Martin	INDIVIDUAL IDENTIFICATION	(87) EP2016058953
SHARKEY, Hugh	PROGRAM	27.10.2016
(31) 201562112153 P	(73) Omron Healthcare Co., Ltd.	(22) 21.04.2016
201615013764	Omron Corporation	(54) SYSTEM FOR EFFECTIVE BREATH-
(32) 04.02.2015	(72) OTA Yuya	SYNCHRONIZED DELIVERY OF
02.02.2016	WADA Hirotaka	MEDICAMENT TO THE LUNGS
(33) United States of America	KASAI Masaaki	(73) Chiesi Farmaceutici S.p.A.
United States of America	KOKUBO Ayako	(72) DELLACA', Raffaele
(51) A61B 5/00	(31) 2016037139	MILESI, Ilaria
A61B 5/01	(32) 29.02.2016	(31) 15164749
A61B 18/00	(33) Japan	15172198
A61B 18/20	(51) A61B 5/00	(32) 22.04.2015
A61B 18/22	A61B 5/0205	15.06.2015
A61N 5/06	A61B 5/11	(33) European Patent Office (EPO)
A61N 5/067	A63B 24/00	European Patent Office (EPO)
(11) EP3277166	A63B 69/00	(51) A61B 5/00
(21) EP16771085.4	A63B 71/06	A61B 5/03
(47) 12.08.2020	G01C 21/16	A61M 5/00
(87) AU2016000112	G01C 22/00	A61M 5/168
06.10.2016	A63B 102/32	A61M 19/00
(22) 04.04.2016	(11) EP1991877	(11) EP3446732
(54) APPARATUS FOR TREATING SOFT	(21) EP07825303.6	(21) EP18201159.3
TISSUE INJURY	(47) 12.08.2020	(47) 12.08.2020
(73) Rogers, Mark John McDonald	(87) IB2007002987	(22) 11.06.2013
(72) Rogers, Mark John McDonald	24.01.2008	(54) DRUG INFUSION WITH PRESSURE
(31) 2015901207	(22) 02.03.2007	SENSING AND NON-CONTINUOUS
(32) 02.04.2015	(54) METHOD AND APPARATUS FOR	FLOW WITH IDENTIFICATION OF
(33) Australia	ESTIMATING A MOTION PARAMETER	AND INJECTION INTO FLUID-FILLED
(51) A61B 5/00	(73) Garmin Switzerland GmbH	ANATOMIC SPACES
A61B 5/02	(72) KULACH, Christopher, J.	(73) Milestone Scientific, Inc.
A61B 5/026	ROONEY, James, K.	(72) Hochman, Mark, N.
A61B 5/11	MACDONALD, Paul, R.	(31) 201213540880
A61N 1/04	(31) 778793 P	(32) 03.07.2012
A61N 1/36	681032	(33) United States of America
(11) EP3383484	(32) 03.03.2006	(51) A61B 5/00
(21) EP16871167.9	01.03.2007	A61B 5/04
(47) 12.08.2020	(33) United States of America	A61B 5/0402
(87) SG2016050580	United States of America	A61B 5/0408
08.06.2017	(51) A61B 5/00	A61B 5/0452



A61B 5/046 G06K 9/00 G06K 9/62	(54) CONTINUOUS ASSESMENT OF ECG SIGNAL QUALITY	03.01.2013 (33) United States of America United States of America
(11) EP3054840 (21) EP14859995.4 (47) 12.08.2020 (87) US2014064577 14.05.2015	(73) Vital Connect, Inc. (72) FERDOSI, Nima NARASIMHAN, Ravi (31) 201213604287 (32) 05.09.2012 (33) United States of America	(51) A61B 5/00 A61B 5/145 A61B 5/1486 (11) EP3329842 (21) EP17201183.5 (47) 12.08.2020 (22) 02.02.2010 (54) COMPACT ON-BODY PHYSIOLOGICAL MONITORING DEVICE
(22) 07.11.2014 (54) PREDICTION OF RISK FOR SUDDEN CARDIAC DEATH	(51) A61B 5/00 A61B 5/05 (11) EP3099222 (21) EP15742707.1 (47) 12.08.2020 (87) IL2015050099 06.08.2015	(21) EP17201183.5 (47) 12.08.2020 (22) 02.02.2010 (54) COMPACT ON-BODY PHYSIOLOGICAL MONITORING DEVICE
(73) Spangler Scientific LLC (72) SPANGLER, Gregory J. (31) 201361901800 P (32) 08.11.2013 (33) United States of America	(73) Abbott Diabetes Care, Inc. (72) Thomas, Christopher Allen Hoss, Udo Fennell, Martin He, Lei Love, Michael Yee, Phillip	(73) Abbott Diabetes Care, Inc. (72) Thomas, Christopher Allen Hoss, Udo Fennell, Martin He, Lei Love, Michael Yee, Phillip
(51) A61B 5/00 A61B 5/042 A61B 5/0428 A61B 5/0432 A61B 5/0456 A61B 5/0468	(54) SENSORS FOR A PORTABLE DEVICE (73) Vayyar Imaging Ltd (72) MELAMED, Raviv (31) 201461932477 P (32) 28.01.2014 (33) United States of America	(31) 149639 P 698124 698129 (32) 03.02.2009 01.02.2010 01.02.2010 (33) United States of America United States of America United States of America
(11) EP3285638 (21) EP16719180.8 (47) 12.08.2020 (87) US2016028428 27.10.2016	(51) A61B 5/00 A61B 5/055 A61B 5/08 A61B 5/087 A61M 16/00 A61M 16/10 A61M 16/12 G01R 33/567	(32) 03.02.2009 01.02.2010 01.02.2010 (33) United States of America United States of America United States of America
(22) 20.04.2016 (54) APPARATUS FOR DETERMINING A PREMATURE VENTRICULAR CONTRACTION IN A MEDICAL MONITORING DEVICE	(11) EP2536332 (21) EP11745148.4 (47) 12.08.2020 (87) US2011025011 25.08.2011 (22) 16.02.2011 (54) METHODS AND DEVICE FOR IN VIVO MAGNETIC RESONANCE IMAGING OF LUNGS USING PERFLUORINATED GAS MIXTURES	(33) United States of America United States of America United States of America (51) A61B 5/00 A61B 5/145 G01N 33/48 G01N 33/68 (11) EP2126563 (21) EP07852252.1 (47) 12.08.2020 (87) SE2007050981 19.06.2008 (22) 12.12.2007 (54) METHOD FOR DETERMINING HEALTH STATUS BY ANALYZING ANALYTES
(73) Medtronic, Inc. (72) SARKAR, Shantanu (31) 201514694847 (32) 23.04.2015 (33) United States of America	(73) Duke University (72) CHARLES, Hal Cecil SOHER, Brian J. (31) 435599 P 305025 P (32) 24.01.2011 16.02.2010 (33) United States of America United States of America	(11) EP2126563 (21) EP07852252.1 (47) 12.08.2020 (87) SE2007050981 19.06.2008 (22) 12.12.2007 (54) METHOD FOR DETERMINING HEALTH STATUS BY ANALYZING ANALYTES
(51) A61B 5/00 A61B 5/042 A61B 5/06	(73) Duke University (72) CHARLES, Hal Cecil SOHER, Brian J. (31) 435599 P 305025 P (32) 24.01.2011 16.02.2010 (33) United States of America United States of America	(73) Scientific Engeneering Qed (72) JOHANSEN, Knut (31) 0602683 (32) 12.12.2006 (33) Sweden
(11) EP3254614 (21) EP17175072.2 (47) 12.08.2020 (22) 08.06.2017 (54) MULTI-FUNCTION CONDUCTING ELEMENTS FOR A CATHETER	(31) 435599 P 305025 P (32) 24.01.2011 16.02.2010 (33) United States of America United States of America	(73) Scientific Engeneering Qed (72) JOHANSEN, Knut (31) 0602683 (32) 12.12.2006 (33) Sweden
(73) Biosense Webster (Israel) Ltd. (72) BAR-TAL, Meir LEVIN, Michael REUVENI, Avi HIGHSMITH, Debby Esther GARCIA, Ariel OSADCHY, Daniel AUERBACH, Shmuel	(31) 435599 P 305025 P (32) 24.01.2011 16.02.2010 (33) United States of America United States of America	(73) Scientific Engeneering Qed (72) JOHANSEN, Knut (31) 0602683 (32) 12.12.2006 (33) Sweden
(31) 201615177775 201615359838 (32) 09.06.2016 23.11.2016 (33) United States of America United States of America	(54) DETERMINING REUSE OF CONTINUOUS ANALYTE SENSORS (73) Dexcom, Inc. (72) BHAVARAJU, Naresh, C. GARCIA, Arturo HAMPAPURAM, Hari KAMATH, Apurv, Ullas MAHALINGAM, Aarthi SOKOLOVSKYY, Dmytro VANSLYKE, Stephen, J.	(51) A61B 5/00 A61B 8/00 A61B 8/08 (11) EP2913006 (21) EP14200598.2 (47) 12.08.2020 (22) 30.12.2014 (54) Method and ultrasound apparatus for displaying location information of bursa (73) Samsung Medison Co., Ltd. Samsung Electronics Co., Ltd (72) Cho, Eun-mi Oh, Jung-taek (31) 20140022889 (32) 26.02.2014 (33) Korea (Republic)
(51) A61B 5/00 A61B 5/0428	(54) DETERMINING REUSE OF CONTINUOUS ANALYTE SENSORS (73) Dexcom, Inc. (72) BHAVARAJU, Naresh, C. GARCIA, Arturo HAMPAPURAM, Hari KAMATH, Apurv, Ullas MAHALINGAM, Aarthi SOKOLOVSKYY, Dmytro VANSLYKE, Stephen, J.	(51) A61B 5/00 A61B 8/00 G01H 9/00 G01N 21/47 (11) EP3304046 (21) EP16802686.2 (47) 12.08.2020
(11) EP2892424 (21) EP13835456.8 (47) 12.08.2020 (87) US2013058217 13.03.2014 (22) 05.09.2013	(31) 201313733810 201313733742 (32) 03.01.2013	(11) EP3304046 (21) EP16802686.2 (47) 12.08.2020

(87) IL2016050559 08.12.2016	ONE ANATOMICAL STRUCTURE AT A PARTICULAR RESOLUTION	(31) 20140020580 (32) 21.02.2014 (33) Korea (Republic)
(22) 30.05.2016	(73) The General Hospital Corporation	
(54) SYSTEM AND METHOD FOR DETERMINING AUDIO CHARACTERISTICS FROM WITHIN A BODY	(72) TEARNEY, Guillermo J. BOUMA, Brett E. GARDECKI, Joseph A. LIU, Linbo	(51) A61B 5/02 (11) EP3148421 (21) EP15799720.6 (47) 12.08.2020 (87) CN2015078138 03.12.2015 (22) 30.04.2015 (54) METHOD OF DETERMINING STIFFNESS INDEX OF ARTERIAL NETWORK AND SYSTEM THEREOF
(73) Elbit Systems Land and C4I Ltd.	(31) 311272 P 311171 P	(73) Hong Kong Applied Science And Technology Research Institute Co., Ltd.
(72) LEIZERSON, Ilya ALFASSI, Barak	(32) 05.03.2010 05.03.2010	(72) CHENG, Chi Kit (31) 201414289649 (32) 29.05.2014 (33) United States of America
(31) 23911315 (32) 01.06.2015 (33) Israel	(33) United States of America United States of America	
(51) A61B 5/00 A61B 17/34	(51) A61B 5/00 G01N 1/30 G01N 1/34 G01N 3/08 G01N 19/02 G01N 33/483	(51) A61B 5/02 A61B 5/0215 A61B 8/00 A61B 8/12 (11) EP3134003 (21) EP15783139.7 (47) 12.08.2020 (87) US2015026757 29.10.2015 (22) 21.04.2015 (54) CATHETER WITH INTEGRATED CONTROLLER FOR IMAGING AND PRESSURE SENSING
(11) EP3381386 (21) EP18164507.8 (47) 12.08.2020 (22) 28.03.2018	(11) EP3509479 (21) EP17794989.8 (47) 12.08.2020 (87) EP2017079022 07.06.2018 (22) 13.11.2017 (54) METHOD OF ASSESSING HAIR	(73) United States of America
(73) BIOTRONIK SE & Co. KG (72) Austin, Eric Kraetschmer, Hannes Wittenbrock, Stevan Baker, Daniel R. Jensen, Christopher J.	(73) Unilever N.V. (72) COENEN, Gita LUNT, Deborah, Kirsten MAGUIRE, Stephen, Paul ROBSON, Scott SIMMONS, Shona, Elizabeth GRIFFITH, Geraldine, Bridget	(22) 21.04.2015 (54) CATHETER WITH INTEGRATED CONTROLLER FOR IMAGING AND PRESSURE SENSING
(31) 201762478618 P (32) 30.03.2017 (33) United States of America	(72) COENEN, Gita LUNT, Deborah, Kirsten MAGUIRE, Stephen, Paul ROBSON, Scott SIMMONS, Shona, Elizabeth GRIFFITH, Geraldine, Bridget	(73) Koninklijke Philips N.V. (72) STIGALL, Jeremy LAUINGER, Joseph (31) 201461983101 P (32) 23.04.2014 (33) United States of America
(51) A61B 5/00 A61L 27/22 A61L 27/24 A61L 27/36 D03C 3/20 D03C 19/00 D03D 1/00 D03D 11/00 D03D 25/00 D03D 41/00 G01N 21/00 A61F 2/90 B33Y 80/00	(31) 16201536 (32) 30.11.2016 (33) European Patent Office (EPO)	(31) 201461983101 P (32) 23.04.2014 (33) United States of America
(11) EP3316828 (21) EP16811118.5 (47) 12.08.2020 (87) IB2016053553 22.12.2016 (22) 15.06.2016	(51) A61B 5/00 G01N 21/47 G01N 21/64 (11) EP2605000 (21) EP12197101.4 (47) 12.08.2020 (22) 13.12.2012 (54) SYSTEM AND METHOD FOR RECONSTRUCTION OF THE OPTICAL PROPERTIES OF A MEDIUM WITH CALCULATION OF A CORRECTED SIGNAL DEPENDING ON A FIRST MODEL FUNCTION FOR A REFERENCE MEDIUM AND A SECOND DISTRIBUTION WITHIN THE MEDIUM TO BE CHARACTERISED	(51) A61B 5/05 G01S 7/02 G01S 7/36 G01S 7/41 G01S 13/524 G01S 13/56 G01S 13/87 G01S 13/88 (11) EP3286576 (21) EP16722062.3 (47) 12.08.2020 (87) EP2016058791 27.10.2016 (22) 20.04.2016 (54) MULTI SENSOR RADIO FREQUENCY DETECTION
(54) ENGINEERED MATERIALS AND METHODS OF FORMING	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives (72) Herve, Lionel (31) 1161835 (32) 16.12.2011 (33) France	(87) EP2016058791 27.10.2016 (22) 20.04.2016 (54) MULTI SENSOR RADIO FREQUENCY DETECTION
(73) Bioconix Pty Ltd. Knothe Tate, Melissa (72) KNOTHE TATE, Melissa (31) 201562175842 P (32) 15.06.2015 (33) United States of America	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives (72) Herve, Lionel (31) 1161835 (32) 16.12.2011 (33) France	(73) ResMed Sensor Technologies Limited (72) MCMAHON, Stephen SZKOT, Przemyslaw SHOULDICE, Redmond (31) 201562149916 P 201562207670 P (32) 20.04.2015 20.08.2015 (33) United States of America United States of America
(51) A61B 5/00 G01B 9/02	(51) A61B 5/00 G04G 21/02	(31) 201562149916 P 201562207670 P (32) 20.04.2015 20.08.2015 (33) United States of America United States of America
(11) EP2542145 (21) EP11751514.8 (47) 12.08.2020 (87) US2011027437 09.09.2011 (22) 07.03.2011	(11) EP2910180 (21) EP15154678.5 (47) 12.08.2020 (22) 11.02.2015 (54) Wearable devices	(51) A61B 5/055 G01R 33/48 G01R 33/56 G01R 33/563
(54) SYSTEMS WHICH PROVIDE MICROSCOPIC IMAGES OF AT LEAST	(73) Samsung Electronics Co., Ltd (72) Choi, Jongmin Chun, Hongmoon	

G01R 33/565	(31) 957262 P	SIMILOWSKI, Thomas
(11) EP3146354	194112	(31) 1656935
(21) EP15726557.0	(32) 22.08.2007	(32) 21.07.2016
(47) 12.08.2020	19.08.2008	(33) France
(87) EP2015060956	(33) United States of America	(51) A61B 5/145
26.11.2015	United States of America	(11) EP3060120
(22) 19.05.2015	(51) A61B 5/097	(21) EP14790562.4
(54) METHOD FOR PRODUCING MAGNET	A61B 18/02	(47) 12.08.2020
RESONANCE TOMOGRAPHY	A61M 16/06	(87) EP2014072734
RECORDINGS OF CYCLIC	A62B 18/02	30.04.2015
MOVEMENT	(11) EP2293732	(22) 23.10.2014
(73) Sirona Dental Systems GmbH	(21) EP09755675.7	(54) SYSTEM AND METHOD FOR DISPLAY
(72) RASCHE, Volker	(47) 12.08.2020	TYPE DETECTION OF A HANDHELD
WUNDRAK, Stefan	(87) US2009045256	MEDICAL DEVICE
(31) 102014209437	03.12.2009	(73) F. Hoffmann-La Roche AG
(32) 19.05.2014	(22) 27.05.2009	(72) BLACKBURN, Michael J.
(33) Germany	(54) LINER FOR USE WITH RESPIRATORY	MANLOVE, Nathan E.
(51) A61B 5/055	MASK	RUTKOWSKI, Paul
G01R 33/563	(73) Rutan, Robert M.	(31) 201314062922
(11) EP2955536	(72) Rutan, Robert M.	(32) 25.10.2013
(21) EP14305887.3	(31) 56893 P	(33) United States of America
(47) 12.08.2020	(32) 29.05.2008	(51) A61B 5/145
(22) 12.06.2014	(33) United States of America	A61B 5/1495
(54) MRI method to quantify iron amount	(51) A61B 5/103	A61B 5/155
in tissues using diffusion magnetic	A61H 1/02	B23P 17/04
resonance imaging	A63B 21/00	G01N 15/06
(73) COMMISSARIAT A L'ENERGIE	A63B 21/005	G01N 33/00
ATOMIQUE ET AUX ENERGIES	A63B 22/18	G01N 33/48
ALTERNATIVES	A63B 23/08	G01N 35/00
(72) Le Bihan, Denis	A63B 24/00	C12Q 1/68
(51) A61B 5/08	A63B 26/00	G16H 40/63
A61M 16/00	A63B 69/00	(11) EP1883341
(11) EP2582292	(11) EP3407987	(21) EP06748733.0
(21) EP11738174.9	(21) EP17714006.8	(47) 12.08.2020
(47) 12.08.2020	(47) 12.08.2020	(87) US2006011090
(87) EP2011060264	(87) IB2017050386	16.11.2006
22.12.2011	03.08.2017	(22) 24.03.2006
(22) 20.06.2011	(22) 25.01.2017	(54) POINT-OF-CARE FLUIDIC SYSTEMS
(54) DETERMINATION OF	(54) MOVABLE PLATFORM FOR PHYSICAL	AND USES THEREOF
TRANSPULMONARY PRESSURE	EXERCISE	(73) Labrador Diagnostics LLC
IN A PATIENT CONNECTED TO A	(73) Reaxing S.r.l.	(72) HOLMES, Elizabeth A.
BREATHING APPARATUS	(72) D'ALELIO, Gionata	ROY, Shaunak
(73) The Lung Barometry Sweden AB	(31) UB20160357	HOWARD, John
(72) STENQVIST, Ola	(32) 26.01.2016	WANG, Chengwang
(31) 201161469100 P	(33) Italy	GIBBONS, Ian
356589 P	(51) A61B 5/113	KEMP, Tim
10166587	G01S 15/36	TODD, Chris
(32) 30.03.2011	G01S 15/50	ORAL, Ron
19.06.2010	(11) EP3488261	ZENG, Shulin
19.06.2010	(21) EP17748529.9	FENTON, Jeff
(33) United States of America	(47) 12.08.2020	QI, Shize Daniel
United States of America	(87) FR2017051883	(31) 678801 P
European Patent Office (EPO)	25.01.2018	705489 P
(51) A61B 5/083	(22) 10.07.2017	717192 P
G01N 21/64	(54) ACOUSTIC METHOD AND DEVICE	721097 P
G01N 21/77	FOR MEASURING SURFACE	(32) 09.05.2005
(11) EP2181319	MOVEMENTS	05.08.2005
(21) EP08798409.2	(73) Centre National de la Recherche	16.09.2005
(47) 12.08.2020	Scientifique CNRS	28.09.2005
(87) US2008073908	Ecole Supérieure de Physique et de	(33) United States of America
26.02.2009	Chimie Industrielles de la Ville de Paris	United States of America
(22) 21.08.2008	Sorbonne Université	United States of America
(54) COMPENSATING FOR SYSTEM DELAY	Institut National de la Santé et de la	United States of America
AND/OR EXTRANEIOUS ILLUMINATION	Recherche Médicale (INSERM)	(51) A61B 5/145
IN ANALYTE ANALYZATION	Université Paris Diderot - Paris 7	A61M 1/16
(73) RIC Investments, LLC.	(72) ING, Ros Kiri	A61M 1/36
(72) MARTIN, Jesus, D.	JEGER-MADIOT, Nathan	(11) EP3506961
DELFAVERO, John, R.	FINK, Mathias	(21) EP17767726.7

(47) 12.08.2020	(31) 102006021051	(73) The Boeing Company
(87) EP2017001053	798264 P	(72) Fonda, James William
08.03.2018	(32) 05.05.2006	Huskamp, Christopher S.
(22) 04.09.2017	05.05.2006	(31) 201113298325
(54) METHOD AND DEVICE FOR	(33) Germany	(32) 17.11.2011
DETERMINING THE BODY	United States of America	(33) United States of America
TEMPERATURE OF A PATIENT	(51) A61B 6/00	(51) A61B 8/08
(73) Fresenius Medical Care Deutschland	H01J 35/06	A61B 34/20
GmbH	H01J 35/14	A61B 90/00
(72) MAIERHOFER, Andreas	H05G 1/60	(11) EP3386396
(31) 102016010722	H05G 1/70	(21) EP16805825.3
(32) 05.09.2016	(11) EP2945181	(47) 12.08.2020
(33) Germany	(21) EP15174778.9	(87) EP2016079691
(51) A61B 5/15	(47) 12.08.2020	15.06.2017
A61M 39/02	(22) 27.01.2010	(22) 05.12.2016
A61M 39/24	(54) X-RAY SCANNER CONTROL SYSTEMS	(54) AN APPARATUS AND METHOD FOR
(11) EP3448259	(73) CXR Limited	DETECTING A TOOL
(21) EP17723282.4	(72) MORTON, Edward James	(73) Koninklijke Philips N.V.
(47) 12.08.2020	LUGGAR, Russell David	Technische Universiteit Eindhoven
(87) EP2017059755	DE ANTONIS, Paul	(72) POURTAHERIAN, Arash
02.11.2017	CUNNINGHAM, Michael	KORSTEN, Hendrikus Hubertus Maria
(22) 25.04.2017	(31) 0901338	MIHAJLOVIC, Nenad
(54) REMOVAL PORT FOR REMOVING	(32) 28.01.2009	HUANG, Jinfeng
A FLUID, SYSTEM AND USE OF A	(33) United Kingdom	DE WITH, Peter Hendrik Nelis
REMOVAL PORT	(51) A61B 7/00	(31) 15198142
(73) Haindl, Hans	(11) EP3592239	(32) 07.12.2015
(72) Haindl, Hans	(21) EP18716120.3	(33) European Patent Office (EPO)
(31) 102016005072	(47) 12.08.2020	(51) A61B 10/02
(32) 27.04.2016	(87) EP2018055986	(11) EP2858575
(33) Germany	13.09.2018	(21) EP13800819.8
(51) A61B 6/00	(22) 09.03.2018	(47) 12.08.2020
A61B 6/03	(54) AUSCULTATION DEVICE	(87) US2013043145
A61B 6/04	(73) Koninklijke Philips N.V.	12.12.2013
G01T 1/24	(72) LUI, Wing, Lam	(22) 29.05.2013
G01T 1/29	ROCCHI, Simona	(54) VACUUM ASSISTED BIOPSY DEVICE
G01T 7/00	ESCANO, SERRANO, Carmen	(73) CareFusion 2200, Inc.
H01L 25/00	GEERLINGS, Alexander, Cornelis	(72) PLISHKA, Michael
H01L 31/09	(31) 17160154	LINDERMAN, Evan
(11) EP3474044	(32) 09.03.2017	KRUEGER, John, A.
(21) EP18198041.8	(33) European Patent Office (EPO)	(31) 201213490075
(47) 12.08.2020	(51) A61B 7/04	(32) 06.06.2012
(22) 15.01.2015	(11) EP3242600	(33) United States of America
(54) RADIOLOGICAL IMAGING DEVICE	(21) EP16735428.1	(51) A61B 17/00
WITH IMPROVED FUNCTIONING	(47) 12.08.2020	A61B 17/04
(73) Epica International Inc.	(87) US2016012528	A61B 17/064
(72) STOUTENBURGH, Gregory William	14.07.2016	A61F 2/08
FORTUNA, Damiano	(22) 07.01.2016	A61F 2/24
MANETTI, Leonardo	(54) APPARATUS AND METHOD FOR	(11) EP3634255
(31) 201461932024 P	DETECTING HEART MURMURS	(21) EP18734730.7
201414323861	(73) Children's National Medical Center	(47) 12.08.2020
(32) 27.01.2014	(72) SHEKHAR, Raj	(87) US2018036609
03.07.2014	DOROSHOW, Robin	13.12.2018
(33) United States of America	KANG, Sukryool	(22) 08.06.2018
United States of America	MCCONNAUGHEY, James	(54) TISSUE ANCHOR WITH TETHER STOP
(51) A61B 6/00	(31) 201562100698 P	(73) 4Tech Inc.
G06T 1/00	(32) 07.01.2015	(72) GRIFFIN, Patrick
G06T 7/00	(33) United States of America	(31) 201762516894 P
(11) EP1852822	(51) A61B 8/00	(32) 08.06.2017
(21) EP07106614.6	G01N 29/04	(33) United States of America
(47) 12.08.2020	G01N 29/22	(51) A61B 17/00
(22) 20.04.2007	G01N 29/265	A61B 17/072
(54) Generation of a three-dimensional	(11) EP2594934	(11) EP2644119
medical image with independent	(21) EP12192219.9	(21) EP13161471.1
positioning of emission source and	(47) 12.08.2020	(47) 12.08.2020
detector	(22) 12.11.2012	(22) 27.03.2013
(73) Siemens Healthcare GmbH	(54) Non-destructive inspection apparatus	(54) Tissue thickness compensator and
(72) Herrmann, Klaus	having an ergonomic grip and associated	method for making the same
Rietzel, Eike	method	(73) Ethicon LLC

(72) Timm, Richard W. Timmer, Mark D. Widenhouse, Tamara Lang, Matthew M. Stammen, John L. Knight, Gary W. Widenhouse, Christopher W. Weisenburgh, II, William B. Mutchler, Stephanie A. Ransick, Mark H. Schmid, Katherine J. Shelton, IV, Frederick E. Baxter III, Chester O.	A61B 34/30 (11) EP3476323 (21) EP18203135.1 (47) 12.08.2020 (22) 29.10.2018 (54) SURGICAL INSTRUMENT WITH ROTARY DRIVE SELECTIVELY ACTUATING MULTIPLE END EFFECTOR FUNCTIONS (73) Ethicon LLC (72) SCHEIB, Charles J. YATES, David C. SHELTON, IV, Frederick E.	(87) DE2016000371 27.04.2017 (22) 12.10.2016 (54) STERILIZABLE DISPOSABLE SURGICAL INSTRUMENT FOR BONE FUSION SURGERY (73) Merete Holding GmbH (72) ANAPLIOTIS, Emmanuel (31) 102015013613 (32) 19.10.2015 (33) Germany
(31) 201213433140 (32) 28.03.2012 (33) United States of America	(31) 201762578835 P 201815908057 (32) 30.10.2017 28.02.2018 (33) United States of America United States of America	(51) A61B 17/00 A61B 17/072 A61B 17/29 A61B 17/88 A61C 9/00 A61M 5/14 A61M 5/145 A61M 5/168 A61M 5/19 A61M 13/00 B01F 3/04 B01F 5/06 B01F 7/00 B01F 13/00 B01F 13/10 B01F 15/00 B01F 15/02 B05B 7/00 B05B 7/24 B05C 17/005 B65D 81/32
(51) A61B 17/00 A61B 17/072 A61B 17/29 (11) EP3375387 (21) EP18162120.2 (47) 12.08.2020 (22) 15.03.2018 (54) ADAPTER WITH CENTERING MECHANISM FOR ARTICULATION JOINT (73) Covidien LP (72) BEARDSLEY, John (31) 201715460361 (32) 16.03.2017 (33) United States of America	(31) 201762578835 P 201815908057 (32) 30.10.2017 28.02.2018 (33) United States of America United States of America (51) A61B 17/00 A61B 17/32 A61B 17/3207 A61B 17/3209 (11) EP3366239 (21) EP18158211.5 (47) 12.08.2020 (22) 22.02.2018 (54) INTRAVASCULAR CATHETER HAVING AN EXPANDABLE INCISING PORTION AND ABRASIVE SURFACES (73) Pigott, John, P. (72) Pigott, John, P. (31) 201715441398 (32) 24.02.2017 (33) United States of America	(51) A61B 17/00 A61B 17/88 A61C 9/00 A61M 5/14 A61M 5/145 A61M 5/168 A61M 5/19 A61M 13/00 B01F 3/04 B01F 5/06 B01F 7/00 B01F 13/00 B01F 13/10 B01F 15/00 B01F 15/02 B05B 7/00 B05B 7/24 B05C 17/005 B65D 81/32 (11) EP3308720 (21) EP17176074.7 (47) 12.08.2020 (22) 14.03.2014 (54) DELIVERY SYSTEM FOR IN SITU FORMING FOAMS (73) Arsenal Medical, Inc. Sharma, Upma Busold, Rany Rago, Adam Zugates, Gregory T. Freyman, Toby Miller, Lisette, Manrique
(51) A61B 17/00 A61B 17/16 B21D 28/34 (11) EP3484640 (21) EP17740117.1 (47) 12.08.2020 (87) IB2017054172 18.01.2018 (22) 11.07.2017 (54) METHOD FOR PRODUCING A REAMER (73) Deuxventorio Sarl (72) GRADEL, Thomas (31) 1656688 (32) 12.07.2016 (33) France	(31) 201762578835 P 201815908057 (32) 30.10.2017 28.02.2018 (33) United States of America United States of America (51) A61B 17/00 A61B 17/34 A61B 34/20 A61B 46/00 A61B 90/11 (11) EP3399927 (21) EP17701388.5 (47) 12.08.2020 (87) US2017012541 13.07.2017 (22) 06.01.2017 (54) SURGICAL GUIDANCE DEVICES AND SYSTEMS (73) Boston Scientific Scimed, Inc. (72) LONG, Jerry, Timothy, Jr. HARRAH, Timothy, Paul CRAFT, Brandon, W. STOKLEY, Elizabeth, A. KOERNER, Sebastian SUBRAMANIAM, Anant FEARIS, Paul, James	(72) SHARMA, Upma BUSOLD, Rany RAGO, Adam ZUGATES, Gregory T. FREYMAN, Toby MILLER, Lisette Manrique (31) 201361852051 P (32) 15.03.2013 (33) United States of America
(51) A61B 17/00 A61B 17/28 A61B 17/29 (11) EP3576648 (21) EP18703304.8 (47) 12.08.2020 (87) EP2018052649 09.08.2018 (22) 02.02.2018 (54) SURGICAL INSTRUMENT HAVING A RELEASE MECHANISM FOR DECOUPLING A SHAFT SECTION FROM A HANDLE (73) Aesculap AG (72) SCHWEITZER, Tom (31) 102017102176 (32) 03.02.2017 (33) Germany	(31) 201662276567 P (32) 08.01.2016 (33) United States of America (51) A61B 17/00 A61B 17/68 A61B 17/72 A61B 17/86 A61B 17/88 A61F 2/46 (11) EP3364897 (21) EP16804686.0 (47) 12.08.2020	(51) A61B 17/00 A61F 7/00 A61F 7/10 A61F 7/12 A61M 16/04 (11) EP2540260 (21) EP11744437.2 (47) 12.08.2020 (87) JP2011000947 25.08.2011 (22) 21.02.2011 (54) BRAIN COOLING APPARATUS AND BRAIN COOLING DEVICE SUITABLE THERE TO (73) National University Corporation Okayama University
(51) A61B 17/00 A61B 17/29 A61B 18/14		

DAIKEN IKI KABUSHIKI KAISHA	(87) US2012023690	(73) Ethicon LLC
(72) TAKEDA, Yoshimasa	09.08.2012	(72) NATIV, Nir, I.
MORITA, Kiyoshi	(22) 02.02.2012	CHEN, Silvia
HASHIMOTO, Hiroshi	(54) SURGICAL SYSTEMS	(31) 201615277470
TSUJI, Hidekazu	(73) Filiciotto, Sam	(32) 27.09.2016
KOKUBU, Masatomo	(72) Filiciotto, Sam	(33) United States of America
(31) 2010036374	(31) 201161438958 P	(51) A61B 17/12
(32) 22.02.2010	(32) 02.02.2011	(11) EP2968878
(33) Japan	(33) United States of America	(21) EP14779640.3
(51) A61B 17/00	(51) A61B 17/064	(47) 12.08.2020
A61F 9/007	A61B 17/115	(87) US2014022865
(11) EP3478231	A61B 17/122	09.10.2014
(21) EP18734422.1	(11) EP3351189	(22) 10.03.2014
(47) 12.08.2020	(21) EP16846020.2	(54) DEVICES FOR EXCLUDING THE LEFT
(87) DE2018200051	(47) 12.08.2020	ATRIAL APPENDAGE
29.11.2018	(87) JP2016062260	(73) Conformal Medical, Inc.
(22) 18.05.2018	23.03.2017	(72) KAPLAN, Aaron V.
(54) DEVICE FOR PROVIDING	(22) 18.04.2016	MELANSON, David
COMPRESSED-AIR PULSES FOR AN	(54) ENDOSCOPIC TREATMENT TOOL	DEVELLIAN, Carol
OPHTHALMOLOGICAL INSTRUMENT	(73) Olympus Corporation	LEVINE, Andy H.
AND A CONTROL METHOD FOR A	(72) SATO Masatoshi	(31) 201361779802 P
DEVICE OF THIS KIND	(31) 2015184393	(32) 13.03.2013
(73) Geuder AG	(32) 17.09.2015	(33) United States of America
(72) LOEW, Thomas	(33) Japan	(51) A61B 17/12
(31) 102017208584	(51) A61B 17/068	A61M 25/09
(32) 22.05.2017	A61B 17/072	(11) EP3248644
(33) Germany	A61B 17/11	(21) EP16829222.5
(51) A61B 17/04	(11) EP3355805	(47) 12.08.2020
(11) EP2654576	(21) EP16850493.4	(87) JP2016057539
(21) EP11806122.5	(47) 12.08.2020	14.09.2017
(47) 12.08.2020	(87) IB2016055820	(22) 10.03.2016
(87) US2011067119	06.04.2017	(54) GUIDE WIRE
28.06.2012	(22) 29.09.2016	(73) Asahi Intecc Co., Ltd.
(22) 23.12.2011	(54) LINEAR STAPLER COMPRISING A	(72) FURUKAWA, Muneya
(54) ADJUSTABLE ANCHOR SYSTEMS	MECHANISM OF INTERMEDIATE	(51) A61B 17/16
(73) DePuy Mitek, LLC	CLOSURE	A61B 17/24
(72) HERNANDEZ, Joseph	(73) "Konmex" Spółka Z Ograniczona	A61B 17/32
SENGUN, Mehmet, Ziya	Odpowiedzialnoscia	A61B 34/20
MILLER, Gerome	(72) BRODACZEWSKI, Wieslaw	(11) EP2809247
WHITTAKER, Gregory, R.	DECEWICZ, Andrzej	(21) EP13706764.1
MCALISTER, Gary, B.	(31) 41423215	(47) 12.08.2020
(31) 977146	(32) 30.09.2015	(87) US2013022656
(32) 23.12.2010	(33) Poland	08.08.2013
(33) United States of America	(51) A61B 17/072	(22) 23.01.2013
(51) A61B 17/04	(11) EP3251612	(54) SURGICAL INSTRUMENT WITH
A61B 17/08	(21) EP17173389.2	DISTAL BEARING ASSEMBLY
(11) EP3157443	(47) 12.08.2020	(73) Medtronic Xomed, Inc.
(21) EP15808973.0	(22) 27.09.2011	(72) O'BRIEN II, Todd Shay
(47) 12.08.2020	(54) SURGICAL STAPLING INSTRUMENT	(31) 201213362463
(87) US2015035860	WITH A VARIABLE STAPLE FORMING	(32) 31.01.2012
23.12.2015	SYSTEM	(33) United States of America
(22) 15.06.2015	(73) Ethicon LLC	(51) A61B 17/16
(54) TISSUE APPROXIMATOR DEVICE	(72) MORGAN, Jerome R.	A61B 17/32
(73) Surgimatix, Inc.	SHELTON, IV, Frederick E.	(11) EP2482738
(72) CHIN, Wai, Ngai	(31) 894360	(21) EP10770667.3
KOBYLEWSKI, Gary, M.	(32) 30.09.2010	(47) 12.08.2020
SABAN, Adam, A.	(33) United States of America	(87) US2010050875
HASAN, Jafar, S.	(51) A61B 17/072	07.04.2011
(31) 201462015068 P	A61B 17/115	(22) 30.09.2010
(32) 20.06.2014	(11) EP3518792	(54) SURGICAL HANDPIECE FOR
(33) United States of America	(21) EP17772845.8	ENDOSCOPIC RESECTION
(51) A61B 17/06	(47) 12.08.2020	(73) Smith&Nephew, Inc.
A61B 17/115	(87) US2017051953	(72) AUCLAIR, Merle, I. JR.
A61B 17/34	05.04.2018	DUHAMEL, Paul, Robert
A61B 17/90	(22) 18.09.2017	MIHALCA, George
(11) EP2670319	(54) CIRCULAR SURGICAL STAPLERS	KAZAKEVICH, Yuri, E.
(21) EP12742560.1	WITH ISOLATING SLEEVES STORED	YOUNG, Paul, C.
(47) 12.08.2020	INSIDE ANVIL	(31) 247722 P

251381 P	(11) EP2720644	201461926328 P
(32) 01.10.2009	(21) EP12801257.2	201461980076 P
14.10.2009	(47) 12.08.2020	201462030084 P
(33) United States of America	(87) US2012042678	(32) 01.09.2013
United States of America	20.12.2012	12.01.2014
(51) A61B 17/29	(22) 15.06.2012	16.04.2014
A61B 17/32	(54) VARIABLE ANGLE LOCKING IMPLANT	29.07.2014
(11) EP3478191	(73) Smith&Nephew, Inc.	(33) United States of America
(21) EP17735758.9	(72) BAKER, Charles, R.	United States of America
(47) 12.08.2020	STEVENSON, Ryan	United States of America
(87) US2017039485	GERLACH, Darin, S.	United States of America
04.01.2018	(31) 201161497180 P	(51) A61B 18/00
(22) 27.06.2017	(32) 15.06.2011	A61B 18/14
(54) ULTRASONIC SURGICAL	(33) United States of America	A61B 18/18
INSTRUMENT WITH CLAMP ARM	(51) A61B 17/56	(11) EP3463140
DEFLECTION FEATURE	A61B 18/00	(21) EP17726317.5
(73) Ethicon LLC	A61N 7/02	(47) 12.08.2020
(72) HIBNER, John A.	A61B 90/14	(87) EP2017062975
(31) 201615200333	(11) EP3476437	07.12.2017
(32) 01.07.2016	(21) EP18201293.0	(22) 30.05.2017
(33) United States of America	(47) 12.08.2020	(54) ELECTROSURGICAL APPARATUS
(51) A61B 17/32	(22) 18.10.2018	(73) Creo Medical Limited
A61B 17/42	(54) DEVICE FOR THERMAL ABLATION	(72) MEADOWCROFT, Simon
A61M 1/00	ON THE KNEE JOINT WITH HIGH	HANCOCK, Christopher Paul
A61M 3/02	INTENSITY FOCUSED ULTRA SOUND	ULLRICH, George
(11) EP3510953	(73) Johann Wolfgang Goethe-Universität	WEBB, David
(21) EP18214987.2	Frankfurt	TURNER, Louis
(47) 12.08.2020	(72) Korkusuz, Hüdayi	EBBUTT, Julian Mark
(22) 27.10.2014	Klingebl, Felix	(31) 201609537
(54) FLUID MANAGEMENT SYSTEM	(31) 17197059	(32) 31.05.2016
(73) Boston Scientific Scimed, Inc.	(32) 18.10.2017	(33) United Kingdom
(72) GERMAIN, Aaron	(33) European Patent Office (EPO)	(51) A61B 18/20
KLEIN, Kyle	(51) A61B 17/62	A61N 5/06
(31) 201361896489 P	A61B 17/66	(11) EP3520858
201414168248	(11) EP3257456	(21) EP18154332.3
(32) 28.10.2013	(21) EP17175657.0	(47) 12.08.2020
30.01.2014	(47) 12.08.2020	(22) 31.01.2018
(33) United States of America	(22) 13.06.2017	(54) SKIN OR HAIR TREATMENT DEVICE
United States of America	(54) GEAR MECHANISMS FOR FIXATION	AND METHOD FOR MANUFACTURING
(51) A61B 17/3207	FRAME STRUTS	SAME
A61K 31/00	(73) Stryker European Holdings I, LLC	(73) Braun GmbH
A61L 29/00	(72) MANNANAL, Subash K.	(72) Beerwerth, Frank
A61M 25/00	GREENBERG, Daniel	Bielfeldt, Uwe
A61M 25/06	VALLI, Patrick	Dadic, Dalibor
A61M 29/00	SINGH, Manoj Kumar	Heinemann, Felix
A61M 25/10	ADALIOGLU, Cem	(51) A61B 18/20
(11) EP2519300	(31) 201615181614	A61N 5/067
(21) EP10801347.5	(32) 14.06.2016	A61N 5/10
(47) 12.08.2020	(33) United States of America	(11) EP3275392
(87) US2010062161	(51) A61B 17/70	(21) EP16773380.7
07.07.2011	A61B 17/86	(47) 12.08.2020
(22) 27.12.2010	A61B 17/88	(87) KR2016003099
(54) SYSTEM FOR TREATING TARGET	A61F 2/44	06.10.2016
TISSUE WITHIN THE EUSTACHIAN	A61L 27/40	(22) 28.03.2016
TUBE	A61L 27/44	(54) LASER IRRADIATION DEVICE
(73) Acclarent, Inc.	A61B 90/00	(73) Lameditech Co., Ltd.
(72) CLIFFORD, Anton, G.	(11) EP3038552	(72) CHOI, Jong Seok
MAKOWER, Joshua	(21) EP14840679.6	(31) 20150046806
CHANG, John, Y.	(47) 12.08.2020	(32) 02.04.2015
MORRISS, John, H.	(87) IL2014050782	(33) Korea (Republic)
BRIGHT, Earl, A.	05.03.2015	(51) A61B 34/00
GOLDFARB, Eric	(22) 01.09.2014	A61B 34/30
VRANY, Julia, D.	(54) COMPOSITE MATERIAL SPINAL	A61B 34/37
(31) 649078	IMPLANT	A61B 90/00
(32) 29.12.2009	(73) Carbofix In Orthopedics LLC	A61B 90/50
(33) United States of America	(72) BEYAR, Mordechay	(11) EP3372184
(51) A61B 17/56	GLOBERMAN, Oren	(21) EP18156122.6
A61B 17/80	(31) 201361872728 P	(47) 12.08.2020

(22) 09.09.2005	SLIMAN, Thae	(54) HIGH-STRENGTH ALLOGRAFT
(54) OFFSET REMOTE CENTER MANIPULATOR	(31) 201762512119 P	TENDON CONSTRUCT
(73) Intuitive Surgical Operations, Inc.	(32) 29.05.2017	(73) AlloSource
(72) COOPER, Thomas	(33) United States of America	(72) SAMANIEGO, Adrian
SOLOMON, Todd	(51) A61C 8/00	SOUTHARD, Matt
(31) 957077	A61C 13/00	FRANKLIN, Wendy Desiree
(32) 30.09.2004	(11) EP2906140	HODGKISS, Jessica
(33) United States of America	(21) EP13779731.2	KARAZE, Bilal
(51) A61B 34/20	(47) 12.08.2020	
A61B 34/30	(87) EP2013003023	(51) A61F 2/18
A61B 90/00	17.04.2014	A61F 2/82
(11) EP3337419	(22) 09.10.2013	A61F 2/95
(21) EP15757184.5	(54) DENTAL BAR	A61F 2/958
(47) 12.08.2020	(73) Nobel Biocare Services AG	(11) EP2182892
(87) EP2015069037	(72) GIASSON, David	(21) EP08796750.1
23.02.2017	ROBERTS, Adam	(47) 12.08.2020
(22) 19.08.2015	GILBERT, Alexandre	(87) US2008071419
(54) REFERENCE ARRAY HOLDER	DUMITRESCU, Ion	05.02.2009
(73) Brainlab AG	MANAI, Myriam	(22) 29.07.2008
(72) STEINLE, Wolfgang	(31) 201261713412 P	(54) DEVICE FOR MAINTAINING PATENT
HAMILTON, Christoffer	201313799691	PARANASAL SINUS OSTIA
FRIELINGHAUS, Nils	(32) 12.10.2012	(73) Audubon Technologies, LLC
	13.03.2013	(72) HEPWORTH, Edward, J.
(51) A61C 1/08	(33) United States of America	KASHIWA, Corey, B.
A61C 1/12	United States of America	TYRRELL, Steven, P.
A61C 1/16		(31) 952606 P
A61C 9/00	(51) A61C 13/00	50827
A61B 34/20	A61C 13/08	(32) 30.07.2007
A61B 90/00	A61K 6/80	06.05.2008
(11) EP3090699	(11) EP3527166	(33) United States of America
(21) EP15166267.3	(21) EP19156820.3	United States of America
(47) 12.08.2020	(47) 12.08.2020	
(22) 04.05.2015	(22) 13.02.2019	(51) A61F 2/24
(54) SYSTEM FOR THE COLLECTION AND PROVISION OF THREE-DIMENSIONAL CHARACTERISTIC DATA OF THE BONE, SOFT TISSUE AND MOUTH SITUATION OF A PATIENT	(54) DENTAL MOULDED BODY WITH CONTINUOUS COLOUR GRADIENT	(11) EP2367505
(73) Weigl, Paul	(73) VOCO GmbH	(21) EP09793152.1
Can, Necati	(72) Oldenburger, Daniel	(47) 12.08.2020
(72) CAN, Necati	Appelmann, Marie	(87) US2009058893
	Plaumann, Manfred Thomas	01.04.2010
(51) A61C 5/82	(31) 102018103415	(22) 29.09.2009
(11) EP2903553	(32) 15.02.2018	(54) HEART VALVE
(21) EP13771674.2	(33) Germany	(73) Edwards Lifesciences CardiAQ LLC
(47) 12.08.2020		(72) QUADRI, Arshad
(87) US2013060056	(51) A61F 2/00	RATZ, Brent, J.
27.03.2014	A61F 2/30	(31) 136716 P
(22) 17.09.2013	A61F 2/44	(32) 29.09.2008
(54) AN IMPROVED DENTAL MATRIX BAND RETAINER	(11) EP3349686	(33) United States of America
(73) DENTSPLY SIRONA Inc.	(21) EP16847260.3	
(72) MCDONALD, Simon, P.	(47) 12.08.2020	(51) A61F 2/24
(31) 60248012	(87) US2016051808	(11) EP3052053
60248012	23.03.2017	(21) EP14853635.2
(32) 18.09.2012	(22) 15.09.2016	(47) 12.08.2020
22.11.2012	(54) ADJUSTABLE, IMPLANTABLE SPINAL DISC DEVICE FOR DEFORMITY CORRECTION IN INTERVERTEBRAL FUSION PROCEDURES	(87) US2014059076
(33) New Zealand	(73) The Board of Trustees of the University of Illinois	23.04.2015
New Zealand	(72) NECKRYSH, Sergey, Y.	(22) 03.10.2014
(51) A61C 8/00	(31) 201562220301 P	(54) DEVICE FOR MITRAL VALVE REGURGITATION METHOD
(11) EP3629997	(32) 18.09.2015	(73) Sino Medical Sciences Technology, Inc.
(21) EP18731193.1	(33) United States of America	(72) MA, Jianlu
(47) 12.08.2020		HUO, Yong
(87) IL2018050502	(51) A61F 2/08	LI, Tianzhu
06.12.2018	(11) EP3361989	ZHAO, Jinhong
(22) 08.05.2018	(21) EP16894757.0	MA, Jianxiang
(54) DENTAL CONNECTION SYSTEM	(47) 12.08.2020	MENG, Lei
(73) MIS-Implants Technologies Ltd.	(87) US2016022984	(31) 201361887343 P
(72) SARIG, Dror	21.09.2017	201461927490 P
	(22) 17.03.2016	201414279511
		201462024097 P
		(32) 05.10.2013
		15.01.2014
		16.05.2014
		14.07.2014



(33) United States of America United States of America United States of America United States of America	BEAUREGARD, Samantha SEIL, Nikole (31) 201361826994 P 201361826983 P 201361828463 P 201361883062 P (32) 23.05.2013 23.05.2013 29.05.2013 26.09.2013 (33) United States of America United States of America United States of America United States of America	(51) A61F 2/78 F16B 21/16 F16B 21/18 F16B 21/20 (11) EP3078865 (21) EP16168713.2 (47) 12.08.2020 (22) 28.11.2011 (54) MULTI-STAGE ENGAGEMENT ASSEMBLIES AND RELATED METHODS (73) Bal Seal Engineering, LLC (72) CHANGSRIVONG, Derek COOK, Hugh
(51) A61F 2/24 (11) EP3451974 (21) EP17844506.0 (47) 12.08.2020 (87) US2017048659 01.03.2018 (22) 25.08.2017 (54) HEART VALVE DOCKING COILS AND SYSTEMS (73) Edwards Lifesciences Corporation (72) PATEL, Darshin S. MANASH, Boaz PERLMUTTER, Khen LEIBA, Eyal ROZEN, Yoav SIRIMANNE, Dinesh L. AXELROD, Noa KIBLITSKI, Zohar (31) 201662380117 P 201662395940 P 201715682287 201715684836 (32) 26.08.2016 16.09.2016 21.08.2017 23.08.2017 (33) United States of America United States of America United States of America United States of America	(51) A61F 2/30 A61F 2/34 A61F 2/46 (11) EP3236886 (21) EP15817535.6 (47) 12.08.2020 (87) GB2015054161 30.06.2016 (22) 23.12.2015 (54) PROSTHESIS (73) MatOrtho Limited (72) BIRD, Timothy Alan TAYLOR, Andrew Clive COLLINS, Simon TUCE, Michael Anthony (31) 201423179 (32) 24.12.2014 (33) United Kingdom	(31) 418331 P 201161430912 P 201113304004 (32) 30.11.2010 07.01.2011 23.11.2011 (33) United States of America United States of America United States of America
(51) A61F 2/24 A61B 90/00 (11) EP2497445 (21) EP12170873.9 (47) 12.08.2020 (22) 09.06.2006 (54) Valve and system (73) Boston Scientific Limited (72) Hill, Jason P. Shoemaker, Susan M. Kokate, Jaydeep Y. (31) 150331 (32) 10.06.2005 (33) United States of America	(51) A61F 2/38 (11) EP3324893 (21) EP16744840.6 (47) 12.08.2020 (87) GB2016052197 26.01.2017 (22) 20.07.2016 (54) TOTAL KNEE REPLACEMENT PROSTHESIS ASSEMBLY (73) Fitzbionics Limited (72) FITZPATRICK, Noel MESWANIA, Jayantilal (31) 201512696 (32) 20.07.2015 (33) United Kingdom	(51) A61F 5/01 A61F 13/00 (11) EP3416597 (21) EP17704014.4 (47) 12.08.2020 (87) EP2017052918 24.08.2017 (22) 09.02.2017 (54) DIVERTING ELEMENT FOR DIVERTING ROPES IN OR AT ORTHOPÄDIC OR MEDICAL OR SPORT AIDS (73) Bauerfeind AG (72) BECK, André (31) 202016100799 U 201662295830 P (32) 16.02.2016 16.02.2016 (33) Germany United States of America
(51) A61F 2/28 A61K 47/30 C08L 67/04 (11) EP2999747 (21) EP14800259.5 (47) 12.08.2020 (87) US2014039394 27.11.2014 (22) 23.05.2014 (54) APPARATUS FOR TREATING BONE FRACTURES, AND/OR FOR FORTIFYING AND/OR AUGMENTING BONE (73) 206 ORTHO, Inc. (72) D'AGOSTINO, Jeffrey, A. WHITEHOUSE, Robert, S. CARTER, Andrew, J. WATTERSON, Arthur LANE, Joseph, P. MCRURY, Ian, D.	(51) A61F 2/38 A61L 27/04 A61L 27/06 A61L 27/16 A61L 27/18 (11) EP3257476 (21) EP15881444.2 (47) 12.08.2020 (87) CN2015000664 18.08.2016 (22) 25.09.2015 (54) COMBINED FULLY ORGANIC HIGH MOLECULAR MATERIAL ARTIFICIAL KNEE JOINT (73) Jiangsu Okani Medical Technology Co., Ltd (72) ZHU, Jack XU, Longwei (31) 201510070528 (32) 10.02.2015 (33) China	(51) A61F 5/055 (11) EP3530241 (21) EP19158185.9 (47) 12.08.2020 (22) 20.02.2019 (54) CERVICAL ORTHOTIC WITH A U- SHAPED FRAME (73) Thuasne Deutschland GmbH (72) Schneider-Nieskens, Reinhold Fritzsche, Stefan (31) 202018100997 U (32) 22.02.2018 (33) Germany
		(51) A61F 5/11 (11) EP3585324 (21) EP18733937.9 (47) 12.08.2020 (87) IB2018053356 15.11.2018 (22) 14.05.2018 (54) NAIL CORRECTION KIT (73) L/N Health and Beauty ApS (72) HØJBERG, Diana (31) 102017004546 (32) 12.05.2017

(33) Germany	(47) 12.08.2020	28.12.2017
(51) A61F 5/44	(87) EP2015071520	(22) 14.06.2017
A61J 1/10	24.03.2016	(54) A MEDICAL DRESSING
A61M 1/00	(22) 18.09.2015	(73) Mölnlycke Health Care AB
(11) EP2346546	(54) OPHTHALMIC DELIVERY DEVICE	(72) ÖSTAN, Karin
(21) EP09821003.2	(73) Oxular Limited	ANDRESEN, Angelica
(47) 12.08.2020	(72) YAMAMOTO, Ronald K.	MÅRTENSSON, Malin
(87) US2009059482	CONSTON, Stanley R.	RODZEWICZ, Patrick
22.04.2010	(31) 201462052952 P	(31) 16176005
(22) 05.10.2009	(32) 19.09.2014	(32) 23.06.2016
(54) BODILY FLUID DRAINAGE ASSEMBLY	(33) United States of America	(33) European Patent Office (EPO)
(73) Sterigear LLC	(51) A61F 9/007	(51) A61F 13/00
(72) CHRISTENSEN, Earl G.	(11) EP3518846	A61F 15/00
(31) 253714	(21) EP17788308.9	A61L 15/28
143327 P	(47) 12.08.2020	A61L 15/42
184240 P	(87) IB2017055951	A61L 15/60
(32) 17.10.2008	05.04.2018	(11) EP2337536
08.01.2009	(22) 28.09.2017	(21) EP09817363.6
04.06.2009	(54) DRAINAGE DEVICE FOR DRAINING	(47) 12.08.2020
(33) United States of America	THE AQUEOUS HUMOUR OF THE	(87) IL2009000946
United States of America	EYEBALL	08.04.2010
United States of America	(73) Ferentini, Gabriele Ubaldo	(22) 01.10.2009
(51) A61F 5/455	Ferentini, Fabio	(54) INTERFACE LAYER WOUND
(11) EP3558177	(72) Ferentini, Gabriele Ubaldo	DRESSING
(21) EP18702206.6	Ferentini, Fabio	(73) L.R. R & D Ltd.
(47) 12.08.2020	(31) 201600098246	(72) ROSENBERG, Lior
(87) EP2018051852	(32) 30.09.2016	(31) 102013 P
02.08.2018	(33) Italy	(32) 02.10.2008
(22) 25.01.2018	(51) A61F 9/04	(33) United States of America
(54) HYGIENE PRODUCT, IN PARTICULAR	(11) EP3258894	(51) A61F 13/00
MENSTRUAL CUP WITH AN	(21) EP16706155.5	A61L 15/44
ERGONOMIC SHAPE	(47) 12.08.2020	B29C 44/12
(73) Fun Factory GmbH	(87) EP2016053170	C08J 9/28
(72) BAUER, Dirk	25.08.2016	(11) EP2935426
(31) 102017101383	(22) 15.02.2016	(21) EP13818321.5
(32) 25.01.2017	(54) EYE PATCH AND METHOD FOR	(47) 12.08.2020
(33) Germany	DETECTING MOVEMENT DATA AND/	(87) FR2013053111
(51) A61F 5/56	OR POSITION DATA USING THE EYE	26.06.2014
A61M 16/10	PATCH	(22) 17.12.2013
A61M 16/20	(73) Prahs, Philipp	(54) METHOD FOR INCORPORATING
A63B 71/08	(72) Prahs, Philipp	ACTIVE AGENTS INTO A
(11) EP3125836	(31) 102015102373	HYDROPHILIC POLYMER FOAM
(21) EP15773894.9	(32) 19.02.2015	(73) Urgo Recherche Innovation et
(47) 12.08.2020	(33) Germany	Développement
(87) AU2015050144	(51) A61F 9/06	(72) PERNOT, Jean-Marc, Henri, Maurice
08.10.2015	(11) EP3451986	RAVENET, Anne-Laure
(22) 31.03.2015	(21) EP17732629.5	(31) 1262195
(54) BREATHING ASSIST DEVICE	(47) 12.08.2020	(32) 18.12.2012
(73) Oventus Medical Limited	(87) US2017030344	(33) France
(72) HART, Christopher Patrick	09.11.2017	(51) A61F 13/15
NGUYEN, Vu Thua	(22) 01.05.2017	(11) EP3558194
ANDERSON, Neil	(54) A CURVED EYE PROTECTION SHIELD	(21) EP17829091.2
FRASER, Darren	FOR WELDING PROTECTION	(47) 12.08.2020
SLATER, Michael Leigh	(73) 3M Innovative Properties Company	(87) US2017066943
GULIZIA, Stefan	(72) MAGNUSSON, Kristina M.	28.06.2018
(31) 2014901181	JAREFORS, Kenneth	(22) 18.12.2017
2014901655	FROISSARD, Laurent	(54) METHOD FOR ETCHING AN
2014903083	BILLINGSLEY, Britton G.	ABSORBENT STRUCTURE
(32) 01.04.2014	(31) 16168229	(73) The Procter & Gamble Company
06.05.2014	(32) 04.05.2016	(72) VIENS, Gerard, A.
08.08.2014	(33) European Patent Office (EPO)	HUBBARD, Wade, Monroe
(33) Australia	(51) A61F 13/00	ARORA, Kelyn, Anne
Australia	A61F 13/06	WHITELY, Nathan, Ray
Australia	A61F 17/00	COLLIER, Montgomery, C.
(51) A61F 9/00	(11) EP3474802	(31) 201662437208 P
A61M 5/20	(21) EP17729155.6	201662437225 P
(11) EP3193985	(47) 12.08.2020	(32) 21.12.2016
(21) EP15771548.3	(87) EP2017064541	21.12.2016

(33) United States of America United States of America	1600421 1600855	(73) Drägerwerk AG & Co. KGaA (72) LÖSER, Judith KULLIK, Götz
(51) A61F 13/15 A61F 13/47 A61F 13/472 A61F 13/475	(32) 18.02.2016 15.03.2016 27.05.2016	(31) 102012024672 (32) 18.12.2012 (33) Germany
(11) EP3202381 (21) EP15847896.6 (47) 12.08.2020 (87) JP2015077100 07.04.2016 (22) 25.09.2015 (54) ABSORBENT ARTICLE (73) Daio Paper Corporation (72) NORIMOTO, Yoshimi (31) 2014200217 (32) 30.09.2014 (33) Japan	(33) France France France	(51) A61J 1/10 A61J 1/14 A61M 5/142 A61M 5/152 (11) EP3082907 (21) EP14815705.0 (47) 12.08.2020 (87) EP2014078413 25.06.2015 (22) 18.12.2014 (54) DISPOSABLE CARTRIDGE FOR A DRUG DELIVERY DEVICE
(51) A61F 13/15 A61F 13/47 A61F 13/533 (11) EP3520752 (21) EP16917770.6 (47) 12.08.2020 (87) JP2016079189 05.04.2018 (22) 30.09.2016 (54) ABSORBENT ARTICLE (73) Unicharm Corporation (72) KURODA, Kenichiro	(51) A61H 1/02 A61H 3/00 (11) EP3299001 (21) EP15892681.6 (47) 12.08.2020 (87) KR2015011443 24.11.2016 (22) 28.10.2015 (54) SEATING-TYPE REHABILITATION ROBOT FOR WALKING	(73) Sanofi-Aventis Deutschland GmbH (72) SCHABBACH, Michael WERNER, Meinolf ZECKAI, Olaf (31) 13198767 (32) 20.12.2013 (33) European Patent Office (EPO)
(51) A61F 13/514 B29C 55/18 B29C 59/04 B29L 31/48 B32B 5/02 B32B 27/12 B32B 27/20 B32B 27/32 B32B 37/00 B32B 37/06 B32B 37/08 B32B 37/20 (11) EP3560709 (21) EP18169085.0 (47) 12.08.2020 (22) 24.04.2018 (54) METHOD FOR THE MANUFACTURE OF PRINTED LAMINATES OF NON- WOVEN FABRICS AND FILM (73) RKW SE (72) BÖRMANN, Ludwig	(73) Curexo, Inc. (72) HAN, Jeong Woo KIM, Young Hwan MIN, Dong Myung LEE, Jeong Hyun (31) 20150069017 (32) 18.05.2015 (33) Korea (Republic)	(51) A61J 1/10 A61J 1/20 B65B 3/00 (11) EP3323403 (21) EP16199860.4 (47) 12.08.2020 (22) 21.11.2016 (54) METHOD AND APPARATUS FOR TRANSFERRING A LIQUID DRUG TO A COLLAPSIBLE RESERVOIR (73) F. Hoffmann-La Roche AG (72) DECK, Frank
(51) A61G 3/06 A61G 7/10 (11) EP3207907 (21) EP17290020.1 (47) 12.08.2020 (22) 14.02.2017 (54) KIT OR ELEMENTS SET FOR A TOILET ROOM FOR MOBILE DISABLED, AND A TOILET DEVICE COMPRISING THESE ELEMENTS (73) Bertrand, Claude Peillex, Pierre Bernasconi, Jean (72) Bertrand, Claude Peillex, Pierre Bernasconi, Jean (31) 1600267	(51) A61H 1/02 A61H 3/00 A63B 21/00 B66D 1/12 B66D 1/28 B66D 1/36 B66D 1/50 B66D 3/26 (11) EP3459603 (21) EP18190650.4 (47) 12.08.2020 (22) 24.08.2018 (54) LOAD-RELIEVING APPARATUS (73) TOYOTA JIDOSHA KABUSHIKI KAISHA (72) SUZUKI, Kanako KAWADA, Norihiko (31) 2017181357 (32) 21.09.2017 (33) Japan	(51) A61J 1/20 A61M 5/19 A61M 5/20 A61M 5/28 A61M 5/32 A61M 39/10 (11) EP3191068 (21) EP15840245.3 (47) 12.08.2020 (87) US2015049002 17.03.2016 (22) 08.09.2015 (54) SOLUTION DELIVERY DEVICE AND METHOD (73) Chang, Byeong Seon (72) Chang, Byeong Seon (31) 201462048089 P (32) 09.09.2014 (33) United States of America
(51) A61H 31/00 A61M 16/00 A61M 16/08 A61M 16/10 A61M 16/12 A61M 16/20 A61N 1/39 (11) EP2934640 (21) EP13815715.1 (47) 12.08.2020 (87) EP2013077035 26.06.2014 (22) 18.12.2013 (54) VENTILATION SYSTEM	(51) A61H 1/02 A61H 3/00 B66D 1/12 B66D 1/28 B66D 1/50 B66D 3/26 (11) EP3459603 (21) EP18190650.4 (47) 12.08.2020 (22) 24.08.2018 (54) LOAD-RELIEVING APPARATUS (73) TOYOTA JIDOSHA KABUSHIKI KAISHA (72) SUZUKI, Kanako KAWADA, Norihiko (31) 2017181357 (32) 21.09.2017 (33) Japan	(51) A61J 3/06 A61J 3/10 A61K 9/28 A61K 47/36 A61K 47/38 B30B 11/34 (11) EP3315114 (21) EP16817904.2 (47) 12.08.2020 (87) JP2016069112 05.01.2017 (22) 28.06.2016

(54) PRODUCTION METHOD FOR EASY-TO-TAKE SOLID PREPARATION, AND EASY-TO-TAKE SOLID PREPARATION	A61K 35/28 A61K 35/44 A61K 35/51	(73) Henkel AG & Co. KGaA
(73) Daicel Corporation	(11) EP3453382	(72) KNAPPE, Thorsten
(72) HAMASAKI, Momoko	(21) EP18200218.8	BAYERSDÖRFER, Rolf
SAKAGUCHI, Anan	(47) 12.08.2020	FÖRSTER, Thomas
OKABAYASHI, Tomohito	(22) 09.11.2015	(31) 102014225420
HASHIKAWA, Naohiro	(54) COMPOSITION INCLUDING STEM CELL-DERIVED EXOSOME FOR SKIN WHITENING OR WRINKLE IMPROVEMENT	(32) 10.12.2014
HIRAMURA, Takahiro	(73) Exostemtech Co., Ltd.	(33) Germany
(31) 2015129529	(72) CHO, Yong Woo	(51) A61K 8/31
(32) 29.06.2015	CHOI, Ji Suk	A61K 8/37
(33) Japan	YANG, Seong Hyun	A61K 8/58
(51) A61J 3/07	LEE, Kyoung-Soo	A61K 8/891
B65B 1/36	KIM, Eun Ji	A61K 8/896
B65B 1/46	YOON, Hwa In	A61K 8/92
(11) EP3492395	KIM, Jun Sung	A61Q 1/02
(21) EP17001962.4	(31) 20140154410	A61Q 17/04
(47) 12.08.2020	20150002660	A61Q 19/00
(22) 30.11.2017	20150134689	(11) EP3496700
(54) METHOD AND DEVICE FOR METERED FILLING OF CONTAINERS WITH A PRODUCT	20150137635	(21) EP17749471.3
(73) Harro Höfliger Verpackungsmaschinen GmbH	(32) 07.11.2014	(47) 12.08.2020
(72) Sternberger-Rützel, Elke	08.01.2015	(87) EP2017070104
Gaus, Philipp	23.09.2015	15.02.2018
Bohne, Sabine	30.09.2015	(22) 08.08.2017
Röhrle, Michael	(33) Korea (Republic)	(54) COMPOSITION FOR EXTERNAL APPLICATION AND METHOD FOR PRODUCING THE SAME
Hofmeister, Jonas	Korea (Republic)	(73) NOF Corporation
Müller, Daniel	Korea (Republic)	Chanel Parfums Beauté
(51) A61J 7/00	Korea (Republic)	(72) YAMAKI, Hideyuki
B65B 1/16	(51) A61K 8/02	KUROMIYA, Tomomi
B65B 37/02	A61K 8/65	ICHIKAWA, Chikako
(11) EP3492394	A61K 8/73	ITO, Hisao
(21) EP17001961.6	A61K 31/728	FUKUSHIMA, Mitsuhiro
(47) 12.08.2020	A61L 17/10	MUNEKATA, Yuki
(22) 30.11.2017	A61L 27/20	(31) 2016156160
(54) DEVICE FOR METERED FILLING OF CONTAINERS WITH A PRODUCT	A61L 31/04	(32) 09.08.2016
(73) Harro Höfliger Verpackungsmaschinen GmbH	A61Q 19/08	(33) Japan
(72) Sternberger-Rützel, Elke	C08B 37/08	(51) A61K 8/34
Gaus, Philipp	C08L 5/08	A61K 8/37
Röhrle, Michael	(11) EP3184552	A61K 8/49
(51) A61K 6/00	(21) EP16203710.5	A61Q 3/04
(11) EP2956110	(47) 12.08.2020	(11) EP2854949
(21) EP14705960.4	(22) 02.09.2009	(21) EP13800758.8
(47) 12.08.2020	(54) THREADS OF HYALURONIC ACID, METHODS OF MAKING THEREOF AND USES THEREOF	(47) 12.08.2020
(87) US2014015902	(73) Tautona Group LP	(87) US2013042406
21.08.2014	(72) Gurtner, Geoffrey C.	12.12.2013
(22) 12.02.2014	Horne, Kenneth N.	(22) 23.05.2013
(54) RESORBABLE AND CURABLE COMPOSITIONS FOR USE IN DENTISTRY	Rajadas, Jayakumar	(54) AN ODORLESS ACETONE-FREE NAIL POLISH REMOVING COMPOSITION
(73) DENTSPLY SIRONA Inc.	(31) 190866 P	(73) L'OREAL
(72) ANGELETAKIS, Christos	(32) 02.09.2008	(72) CIFELLI, Dana
(31) 201361764539 P	(33) United States of America	(31) 201213487639
(32) 14.02.2013	(51) A61K 8/04	(32) 04.06.2012
(33) United States of America	A61K 8/20	(33) United States of America
(51) A61K 8/02	A61K 8/34	(51) A61K 8/34
A61K 8/04	A61Q 5/06	A61K 8/37
A61K 8/98	(11) EP3229761	A61Q 15/00
A61K 9/06	(21) EP15787622.8	(11) EP3471693
A61P 17/00	(47) 12.08.2020	(21) EP17728894.1
A61P 17/02	(87) EP2015075376	(47) 12.08.2020
A61P 17/18	16.06.2016	(87) EP2017064435
A61Q 19/00	(22) 02.11.2015	21.12.2017
A61K 35/12	(54) AGENTS AND METHODS FOR THE TEMPORARY SHAPING OF KERATIN-CONTAINING FIBERS	(22) 13.06.2017
		(54) DEODORANT PRODUCTS
		(73) Unilever N.V.
		(72) COX, Diana, Sheila
		JAMES, Alexander, Gordon
		MCMASTER, Louise, Ombler
		MCWALTER, Joy, Rachel

(31) 16174928	A61Q 15/00	(87) US2014028396
(32) 17.06.2016	A61K 8/9789	25.09.2014
(33) European Patent Office (EPO)	(11) EP3319584	(22) 14.03.2014
(51) A61K 8/34	(21) EP16744802.6	(54) SYSTEMS FOR SUSTAINED
A61K 8/86	(47) 12.08.2020	INTRAOCCULAR DELIVERY OF LOW
A61K 8/891	(87) FR2016051693	SOLUBILITY COMPOUNDS FROM A
A61Q 5/02	12.01.2017	PORT DELIVERY SYSTEM IMPLANT
A61Q 5/12	(22) 05.07.2016	(73) Forsight Vision4, Inc.
(11) EP3277252	(54) USE OF N-ALKYL AMIDE AS AN	(72) ASTAFIEVA, Irina
(21) EP16713433.7	ANTIPERSPIRANT AGENT	HORVATH, Judit
(47) 12.08.2020	(73) Robertet S.A.	FARINAS, Kathleen, Cogan
(87) EP2016057050	(72) PEGARD, Anthony	BUECHE, Blaine
06.10.2016	(31) 1556438	ERICKSON, Signe
(22) 31.03.2016	(32) 07.07.2015	(31) 201361783611 P
(54) COSMETIC COMPOSITION	(33) France	(32) 14.03.2013
COMPRISING NON-AMINO	(51) A61K 8/81	(33) United States of America
POLYALKYLSILOXANES,	A61K 8/86	(51) A61K 9/00
OXYETHYLENATED POLYMERS AND	A61Q 5/00	A61K 9/08
FATTY ALCOHOLS	A61Q 5/02	A61K 31/341
(73) L'Oréal	A61Q 5/06	A61K 31/635
(72) MEHTA, Khyati	A61Q 5/12	A61K 47/02
DE BONI, Maxime	(11) EP3137039	A61P 9/04
TULSYAN, Harshada	(21) EP15891350.9	A61P 9/12
(31) 952DE2015	(47) 12.08.2020	A61K 47/18
(32) 02.04.2015	(87) US2015029006	(11) EP2981258
(33) India	10.11.2016	(21) EP14778339.3
(51) A61K 8/37	(22) 04.05.2015	(47) 12.08.2020
A61K 8/73	(54) PERSONAL CARE COMPOSITION FOR	(87) US2014032800
A61K 8/92	A KERATIN SUBSTRATE COMPRISING	09.10.2014
A61Q 19/00	CONDITIONING AND/OR STYLING	(22) 03.04.2014
(11) EP3372222	CATIONIC TETRA POLYMER	(54) PHARMACEUTICAL FORMULATIONS
(21) EP18161326.6	(73) Hercules LLC	FOR SUBCUTANEOUS
(47) 12.08.2020	(72) KROON, Gijsbert	ADMINISTRATION OF FUROSEMIDE
(22) 12.03.2018	KHATUN, Amna	(73) ScPharmaceuticals Inc.
(54) COMPOSITION HAVING REDUCED	NUUTINEN, Tutu Maria	(72) MICHAELS, Scott, A.
RESIDUE	FRANZKE, Michael	MUNTENDAM, Pieter
(73) JOHNSON & JOHNSON CONSUMER	(31) 201461987764 P	LARSEN, Glenn, R.
INC.	(32) 02.05.2014	(31) 201361808962 P
(72) GARCIA, Devin	(33) United States of America	(32) 05.04.2013
KAUR, Simarna	(51) A61K 8/81	(33) United States of America
NIKOLOVSKI, Janeta	A61K 8/87	(51) A61K 9/00
DeRIDDER, Louis	A61Q 5/06	A61K 9/19
(31) 201762469666 P	(11) EP3019151	A61K 38/47
201762488898 P	(21) EP14818467.4	A61K 47/12
(32) 10.03.2017	(47) 12.08.2020	A61K 47/20
24.04.2017	(87) US2014044610	A61K 47/26
(33) United States of America	31.12.2014	A61P 43/00
United States of America	(22) 27.06.2014	A61K 47/10
(51) A61K 8/41	(54) COMPOSITIONS AND METHODS FOR	(11) EP2361613
A61K 8/49	TREATING HAIR	(21) EP10193725.8
A61Q 5/10	(73) L'OREAL	(47) 12.08.2020
(11) EP3142638	(72) TAN, Siliu	(22) 06.02.2007
(21) EP15724203.3	SIMONNET, Jean-Thierry	(54) Stabilized compositions of proteins
(47) 12.08.2020	SINGER, Jim	having a free thiol moiety
(87) EP2015060642	NGUYEN, Nghi Van	(73) Shire Human Genetic Therapies, Inc.
19.11.2015	(31) 201313931238	(72) Zhu, Gaozhong
(22) 13.05.2015	201313931276	Lowe, Kris
(54) COMPOSITION FOR DYEING	201313931329	Shahrokh, Zahra
KERATIN FIBRES, COMPRISING AN	(32) 28.06.2013	Nguyen, Vinh
OXIDATION BASE AND A PARTICULAR	28.06.2013	(31) 771555 P
HETEROARYL COUPLER	28.06.2013	(32) 07.02.2006
(73) L'OREAL	(33) United States of America	(33) United States of America
(72) LAGRANGE, Alain	United States of America	(51) A61K 9/00
LALLEMAN, Boris	United States of America	A61K 9/19
(31) 1454407	(51) A61K 9/00	A61K 39/395
(32) 16.05.2014	(11) EP2968113	A61K 47/02
(33) France	(21) EP14716187.1	A61K 47/26
(51) A61K 8/42	(47) 12.08.2020	(11) EP2081553

(21) EP07839335.2	201562257562 P	(33) Russian Federation
(47) 12.08.2020	(32) 15.06.2015	(51) A61K 9/00
(87) US2007021477	19.11.2015	A61K 38/29
17.04.2008	(33) United States of America	A61K 38/38
(22) 05.10.2007	United States of America	A61M 5/32
(54) STABLE ANTIBODY FORMULATIONS	(51) A61K 9/00	A61M 37/00
(73) Amgen Inc.	A61K 9/51	(11) EP2146689
(72) MCAULEY, Arnold	A61P 5/14	(21) EP08742989.0
REHDER, Douglas	A61P 11/00	(47) 12.08.2020
MATSUMURA, Masazumi	A61P 11/06	(87) US2008004943
(31) 850362 P	A61P 11/16	30.10.2008
850970 P	A61P 13/00	(22) 16.04.2008
(32) 06.10.2006	A61P 19/00	(54) SOLVENT-CAST MICRONEEDLE
10.10.2006	A61P 25/24	ARRAYS CONTAINING ACTIVE
(33) United States of America	A61P 33/06	(73) Corium, Inc.
United States of America	(11) EP3398611	(72) SINGH, Parminder
(51) A61K 9/00	(21) EP18177879.6	WORSHAM, Robert, Wade
A61K 9/48	(47) 12.08.2020	TRAUTMAN, Joseph, C.
A61K 31/015	(22) 18.04.2008	BAYRAMOV, Danir, F.
A61K 31/4515	(54) AEROSOL DISPERSIONS OF	BOWERS, Danny, Lee
A61K 31/519	PARTICLES WITH ACTIVE	KLEMM, Andy
A61K 31/5415	PHARMACEUTICAL INGREDIENTS	KLEMM, Steven, Richard
A61K 31/5513	(73) Particle Sciences, Inc.	CHEN, Guohua
A61K 36/00	(72) LOXLEY, Andrew	(31) 923861 P
A61K 45/06	DIZDAREVIC, Ismar	925262 P
A61P 25/18	MITCHNICK, Mark	(32) 16.04.2007
(11) EP2827846	(31) 912523 P	18.04.2007
(21) EP13763464.8	(32) 18.04.2007	(33) United States of America
(47) 12.08.2020	(33) United States of America	United States of America
(87) IB2013052182	(51) A61K 9/00	(51) A61K 9/00
26.09.2013	A61K 31/485	A61K 47/10
(22) 19.03.2013	A61K 39/395	A61K 47/34
(54) TREATMENT OF SCHIZOPHRENIA	A61K 47/26	(11) EP3151863
USING BETA-CARYOPHYLLENE AND	C07K 16/24	(21) EP15725664.5
CB2 RECEPTOR AGONISTS	A61K 47/18	(47) 12.08.2020
(73) Anavi-Goffer, Sharon	(11) EP3409269	(87) EP2015062413
(72) ANAVI-GOFFER, Sharon	(21) EP18174400.4	10.12.2015
GERTSCH, Juerg	(47) 12.08.2020	(22) 03.06.2015
(31) 201261612411 P	(22) 07.01.2011	(54) HYDROALCOHOLIC SYSTEM FOR
(32) 19.03.2012	(54) STABILIZED FORMULATIONS	NAIL TREATMENT
(33) United States of America	CONTAINING ANTI-INTERLEUKIN-6	(73) Universidad De Santiago De
(51) A61K 9/00	RECEPTOR (IL-6R) ANTIBODIES	Compostela
A61K 9/48	(73) Regeneron Pharmaceuticals, Inc.	(72) OTERO ESPINAR, Francisco J
A61K 31/337	(72) DIX, Daniel, B	ANGUIANO IGEA, M Soledad F
A61K 45/06	GRAHAM, Kenneth, S.	CUTRÍN GÓMEZ, M Elena
A61K 47/12	KAMEN, Douglas, E.	GÓMEZ AMOZA, José Luis
A61K 47/26	WALSH, Scott, M.	(31) 14382215
A61N 5/10	(31) 29322710 P	(32) 04.06.2014
A61P 35/00	(32) 08.01.2010	(33) European Patent Office (EPO)
A61K 47/34	(33) United States of America	(51) A61K 9/00
A61K 47/64	(51) A61K 9/00	A61M 37/00
(11) EP3307326	A61K 38/00	B81C 1/00
(21) EP16812334.7	A61K 47/36	(11) EP2653186
(47) 12.08.2020	(11) EP2996674	(21) EP11847959.1
(87) US2016037626	(21) EP14727073.0	(47) 12.08.2020
22.12.2016	(47) 12.08.2020	(87) KR2011009722
(22) 15.06.2016	(87) IB2014061417	21.06.2012
(54) METHODS FOR THE TREATMENT	20.11.2014	(22) 16.12.2011
OF LEPTOMENINGEAL	(22) 14.05.2014	(54) METHOD FOR MANUFACTURING
CARCINOMATOSIS	(54) PHARMACEUTICAL COMPOSITION	MICROSTRUCTURE BODY
(73) Angiochem Inc.	COMPRISING A BOTULINUM	(73) Raphas Co., Ltd.
Castaigne, Jean-Paul	NEUROTOXIN AND USES THEREOF	(72) JUNG, Hyungil
Lawrence, Betty	(73) Bosti Trading Ltd.	JEONG, Do Hyeon
Kumthekar, Priya	(72) POKUSHALOV, Evgeny	KIM, Jung Dong
(72) CASTAIGNE, Jean-Paul	FOMENKO, Vladislav	KIM, Miroo
LAWRENCE, Betty	SALAKHUDINOV, Nariman	(31) 20100130169
KUMTHEKAR, Priya	(31) 2013122509	(32) 17.12.2010
(31) 201562175948 P	(32) 15.05.2013	(33) Korea (Republic)

(51) A61K 9/06	(87) US2014026824	201662343313 P
A61K 31/436	02.10.2014	(32) 21.08.2015
A61P 21/00	(22) 13.03.2014	10.09.2015
A61P 25/00	(54) ANTIBODY FORMULATIONS	30.12.2015
A61K 47/10	(73) F.Hoffmann-La Roche AG	21.01.2016
(11) EP3275441	(72) GOKARN, Yatin	02.03.2016
(21) EP16768422.4	ZARRAGA, Isidro, E.	15.04.2016
(47) 12.08.2020	ZARZAR, Jonathan	31.05.2016
(87) JP2016057330	PATAPOFF, Thomas	(33) United States of America
29.09.2016	WURTH, Christine	United States of America
(22) 09.03.2016	(31) 201361780899 P	United States of America
(54) EXTERNAL MEDICINE FOR DIFFUSE PLEXIFORM NEUROFIBROMA	(32) 13.03.2013	United States of America
(73) Osaka University	(33) United States of America	United States of America
(72) KANEDA, Mari	(51) A61K 9/107	United States of America
KATAYAMA, Ichiro	A23L 29/10	United States of America
(31) 2015059041	A23L 29/262	(51) A61K 9/127
(32) 23.03.2015	A23L 33/115	A61K 31/7036
(33) Japan	(11) EP3357351	A61P 31/00
(51) A61K 9/08	(21) EP16791090.0	(11) EP3427742
A61K 31/13	(47) 12.08.2020	(21) EP18176134.7
A61K 31/27	(87) IB2016055902	(47) 12.08.2020
A61K 31/445	06.04.2017	(22) 29.10.2003
A61K 31/485	(22) 03.10.2016	(54) LIPOSOMES COMPRISING AN AMINOGLYCOSIDE FOR THE TREATMENT OF PULMONARY INFECTIONS
A61K 45/06	(54) PROCESS FOR THE PREPARATION AND STABILIZATION OF EMULSIONS WITH OMEGA-3 BY MEANS OF ISOMETRIC CRYSTALLINE NETWORKS OF CELLULOSE DERIVATIVES	(73) Insmed Incorporated
A61K 47/12	(73) Solutex NA LLC	(72) BONI, Lawrence T
A61K 47/32	(72) MORENO EGEEA, Fernando	MILLER, Brian S
A61P 25/16	MARTÍNEZ FÉREZ, Antonio	(31) 42192302 P
A61P 25/28	(31) 201531406	(32) 29.10.2002
A61K 47/10	(32) 01.10.2015	(33) United States of America
(11) EP3200828	(33) Spain	(51) A61K 9/14
(21) EP15848100.2	(51) A61K 9/127	A61K 9/16
(47) 12.08.2020	A61K 31/282	A61K 31/436
(87) AU2015050591	A61K 31/436	A61K 47/26
07.04.2016	A61K 31/4745	(11) EP3054948
(22) 30.09.2015	A61K 31/475	(21) EP14851643.8
(54) INTRANASAL COMPOSITIONS FOR TREATMENT OF NEUROLOGICAL AND NEURODEGENERATIVE DISEASES AND DISORDERS	A61K 31/513	(47) 12.08.2020
(73) Lachesis Biosciences Limited	A61K 31/519	(87) US2014059529
(72) MORGAN, Timothy Matthias	A61P 35/04	16.04.2015
(31) 2014903944	(11) EP3337478	(22) 07.10.2014
(32) 03.10.2014	(21) EP16758337.6	(54) RAPAMYCIN FOR THE TREATMENT OF LYMPHANGIOLEIOMYOMATOSIS
(33) Australia	(47) 12.08.2020	(73) AI Therapeutics, Inc.
(51) A61K 9/08	(87) US2016047727	(72) LICHENSTEIN, Henri
A61K 38/12	02.03.2017	ROTHBERG, Jonathan M.
A61K 47/02	(22) 19.08.2016	ARMER, Thomas
(11) EP3200827	(54) DRUG COMBINATION COMPRISING LIPOSOMAL IRINOTECAN, OXALIPLATIN, 5-FLUOROURACIL AND LEUCOVORIN FOR TREATING METASTATIC PANCREATIC CANCER	MELVIN, Jr Lawrence S.
(21) EP15775173.6	(73) Ipsen Biopharm Ltd.	(31) 201361888066 P
(47) 12.08.2020	(72) BLANCHETTE, Sarah, F.	(32) 08.10.2013
(87) EP2015072728	FITZGERALD, Jonathan, Basil	(33) United States of America
07.04.2016	GADDY, Daniel, F.	(51) A61K 9/14
(22) 01.10.2015	HENDRIKS, Bart, S.	A61K 31/366
(54) COMPOSITIONS	KALRA, Ashish	A61K 31/397
(73) Xellia Pharmaceuticals ApS	LEE, Helen	A61K 31/4545
(72) BENCIC, Nenad	BAYEVER, Eliel	A61K 47/34
(31) 201462059711 P	(31) 201562208209 P	(11) EP2755637
(32) 03.10.2014	201562216736 P	(21) EP12831341.8
(33) United States of America	201562273244 P	(47) 12.08.2020
(51) A61K 9/08	201662281473 P	(87) US2012055129
A61K 39/395	201662302341 P	21.03.2013
A61K 47/26	201662323245 P	(22) 13.09.2012
C07K 16/22	(54) SOLID DISPERSION OF POORLY SOLUBLE COMPOUNDS COMPRISING CROSPROVIDONE AND AT LEAST ONE WATER-SOLUBLE POLYMER	(73) ISP Investments LLC
C07K 16/28		
(11) EP2968553		
(21) EP14772646.7		
(47) 12.08.2020		

(72) BI, Yunxia RAHMAN, Mohammed, Abdul LESTER, James, David	(54) PHARMACEUTICAL FORMULATION OF RACECADOTRIL	(31) 688536 P (32) 08.06.2005 (33) United States of America
(31) 201161533835 P 201161576478 P	(73) Rivopharm SA	
(32) 13.09.2011 16.12.2011	(72) POLI, Piero FIORINO, Alessandro PIAZZOLLA, Tommaso Roberto	(51) A61K 9/70 A61K 31/355 A61K 47/24 A61P 3/10 A61P 25/04
(33) United States of America United States of America	(31) TO20150086 (32) 09.02.2015 (33) Italy	(11) EP2552486 (21) EP11761826.4 (47) 12.08.2020 (87) AU2011000358 06.10.2011
(51) A61K 9/14 A61K 48/00 G01N 1/18	(51) A61K 9/20 A61K 31/216 A61K 31/27 A61K 31/4985 A61K 31/506 A61K 45/06	(22) 30.03.2011 (54) TRANSDERMAL DELIVERY PATCH (73) Phosphagenics Limited (72) COTTRELL, Jeremy GAETANO, Giacinto EL-TAMIMY, Mahmoud KENNEDY, Nicholas GAVIN, Paul David
(11) EP3499212 (21) EP18199291.8 (47) 12.08.2020 (22) 03.01.2014 (54) METHODS FOR ISOLATING MICROVESICLES	(11) EP2934490 (21) EP13805906.8 (47) 12.08.2020 (87) EP2013076878 26.06.2014 (22) 17.12.2013 (54) TABLETS WITH IMPROVED ACCEPTANCE AND GOOD STORAGE STABILITY	(31) 319002 P 319007 P (32) 30.03.2010 30.03.2010 (33) United States of America United States of America
(73) Exosome Diagnostics, Inc. (72) ENDERLE, Daniel RAMACHANDRAN, Aparna YAN, Haoheng BERGHOFF, Emily WEI, Tai-Fen NOERHOLM, Mikkel SKOG, Johan, Karl Olov	(73) Bayer Animal Health GmbH (72) KANIKANTI, Venkata-Rangarao HAMANN, Hans-Jürgen SCHULTE, Georg BILLIAN, Patrick	(51) A61K 9/70 A61K 31/5575 A61K 45/00 A61K 47/36 A61P 27/02 A61P 27/06 A61K 47/34
(31) 201361748575 P (32) 03.01.2013 (33) United States of America	(31) 12198101 (32) 19.12.2012 (33) European Patent Office (EPO)	(11) EP2695621 (21) EP12768019.7 (47) 12.08.2020 (87) JP2012057519 11.10.2012 (22) 23.03.2012 (54) PHARMACEUTICAL PREPARATION (73) Nanotheta Co, Ltd. Toray Industries, Inc.
(51) A61K 9/16 A61K 9/20 A61K 31/137 A61K 31/485 A61K 36/00 A61K 38/44 A61P 25/04 A61P 25/36 A61P 29/02	(31) 12198101 (32) 19.12.2012 (33) European Patent Office (EPO)	(11) EP2695621 (21) EP12768019.7 (47) 12.08.2020 (87) JP2012057519 11.10.2012 (22) 23.03.2012 (54) PHARMACEUTICAL PREPARATION (73) Nanotheta Co, Ltd. Toray Industries, Inc.
(11) EP3423046 (21) EP17706832.7 (47) 12.08.2020 (87) EP2017054603 08.09.2017 (22) 28.02.2017 (54) ABUSE-DETERRENT PHARMACEUTICAL COMPOSITIONS	(11) EP2575811 (21) EP11738841.3 (47) 12.08.2020 (87) TR2011000147 08.12.2011 (22) 02.06.2011 (54) PHARMACEUTICAL FORMULATION COMPRISING CEFPODOXIME PROXETIL AND CLAVULANIC ACID	(72) TAKEOKA Shinji KASHIWAGI Kenji FUJIE Toshinori SAITO Akihiro HANIUDA Hiroki (31) 2011086402 (32) 08.04.2011 (33) Japan
(73) G.L. Pharma GmbH (72) GÜBITZ, Georg GREIMEL, Katrin BRANDAUER, Martin HUBER, Daniela BLEYMAIER, Klaus KROUTIL, Wolfgang LECHNER, Doris WACHTER, Christof WAGNER, Harald WINKLER, Heimo	(73) Bilgic, Mahmut (72) Bilgic, Mahmut (31) 201004466 (32) 03.06.2010 (33) Turkey	(51) A61K 9/70 A61K 31/135 A61K 31/192 A61P 1/08 A61P 29/00 A61K 47/34 (11) EP1888025 (21) EP06751070.1 (47) 12.08.2020 (87) US2006015236 21.12.2006 (22) 24.04.2006 (54) MEDICAMENT CARRIER COMPOSITION AND METHOD OF FORMING A FILM THEREFROM
(31) 16157804 (32) 29.02.2016 (33) European Patent Office (EPO)	(31) 201004466 (32) 03.06.2010 (33) Turkey	(51) A61K 31/047 A61K 31/197 A61K 31/27 A61K 31/4164 A61K 31/4178 A61K 31/485 A61K 31/567 A61K 45/06 A61P 25/28
(51) A61K 9/16 A61K 31/265	(51) A61K 9/70 A61K 31/135 A61K 31/192 A61P 1/08 A61P 29/00 A61K 47/34 (11) EP1888025 (21) EP06751070.1 (47) 12.08.2020 (87) US2006015236 21.12.2006 (22) 24.04.2006 (54) MEDICAMENT CARRIER COMPOSITION AND METHOD OF FORMING A FILM THEREFROM	(11) EP3459535 (21) EP18203488.4 (47) 12.08.2020 (22) 28.11.2008 (54) NEW THERAPEUTIC APPROACHES FOR TREATING CMT AND RELATED DISORDERS
(11) EP3256107 (21) EP15819831.7 (47) 12.08.2020 (87) EP2015081187 18.08.2016 (22) 23.12.2015	(73) BASF CORPORATION (72) ALI, Shaukat QUADIR, Anisul	(31) 2011086402 (32) 08.04.2011 (33) Japan (51) A61K 31/047 A61K 31/197 A61K 31/27 A61K 31/4164 A61K 31/4178 A61K 31/485 A61K 31/567 A61K 45/06 A61P 25/28 (11) EP3459535 (21) EP18203488.4 (47) 12.08.2020 (22) 28.11.2008 (54) NEW THERAPEUTIC APPROACHES FOR TREATING CMT AND RELATED DISORDERS (73) Pharnext



(72) COHEN, Daniel CHUMAKOV, Ilya GUERASSIMENKO, Oxana NABIROCHKIN, Serguei	LEE, Jae Won LEE, So Jung SHIN, Ji Young CHO, Myung Sam	26.05.2016 (22) 13.11.2015 (54) DIALYSIS-FLUID SUPPLY SYSTEM (73) Nikkiso Co., Ltd.
(31) 07301614 99180007 P	(31) 20130034041 20130148247	(72) FUJIWARA, Masato MASUDA, Yoshimichi
(32) 30.11.2007 03.12.2007	(32) 29.03.2013 02.12.2013	NIMURA, Hiroshi YOKOMICHI, Manabu
(33) European Patent Office (EPO) United States of America	(33) Korea (Republic) Korea (Republic)	(31) 2014235458 (32) 20.11.2014 (33) Japan
(51) A61K 31/13 A61K 31/16 A61K 31/435 A61P 31/18 A61P 31/22 A61P 35/00 C07C 209/00 C07D 213/00 C07D 215/00	(51) A61K 31/155 A61K 31/165 A61K 31/216 A61K 31/44 A61K 31/53 A61K 45/06 A61P 3/10 A61P 25/00 A61P 25/16 A61P 25/28 A61P 35/00 C07C 281/18 C07D 213/61 C07D 253/075	(51) A61K 31/19 A61K 45/06 A61P 25/20 (11) EP3335709 (21) EP17202548.8 (47) 12.08.2020 (22) 13.12.2013 (54) GAMMA-HYDROXYBUTYRATE COMPOSITIONS AND THEIR USE FOR THE TREATMENT OF DISORDERS (73) Jazz Pharmaceuticals Ireland Limited (72) ALLPHIN, Clark P. DESJARDIN, Michael
(11) EP2928457 (21) EP13799538.7 (47) 12.08.2020 (87) EP2013075409 12.06.2014 (22) 03.12.2013 (54) CYCLOPROPYLAMINE DERIVATIVES USEFUL AS INHIBITORS OF HISTONE DEMETHYLASES KDM1A	(11) EP3115357 (21) EP16172383.8 (47) 12.08.2020 (22) 10.01.2014 (54) BENZYLIDENEGUANIDINE DERIVATIVES AND THERAPEUTIC USE FOR THE TREATMENT OF PROTEIN MISFOLDING DISEASES	(47) 12.08.2020 (22) 13.12.2013 (54) GAMMA-HYDROXYBUTYRATE COMPOSITIONS AND THEIR USE FOR THE TREATMENT OF DISORDERS (73) Jazz Pharmaceuticals Ireland Limited (72) ALLPHIN, Clark P. DESJARDIN, Michael (31) 201261737695 P (32) 14.12.2012 (33) United States of America
(73) Istituto Europeo di Oncologia S.r.l. (72) VARASI, Mario VIANELLO, Paola THALER, Florian TRIFIRO', Paolo MERCURIO, Ciro MERONI, Giuseppe	(73) United Kingdom Research and Innovation InFlectis BioScience (72) GUEDAT, Philippe BERTOLOTTI, Anne	(31) 201261737695 P (32) 14.12.2012 (33) United States of America (51) A61K 31/192 A61K 36/15 A61P 1/00 (11) EP3068413 (21) EP14862579.1 (47) 12.08.2020 (87) FI2014050832 21.05.2015 (22) 05.11.2014 (54) FEED SUPPLEMENT COMPRISING RESIN ACID
(31) 12195597 (32) 05.12.2012 (33) European Patent Office (EPO)	(31) 201300435 (32) 10.01.2013 (33) United Kingdom	(47) 12.08.2020 (87) FI2014050832 21.05.2015 (22) 05.11.2014 (54) FEED SUPPLEMENT COMPRISING RESIN ACID (73) HANKKIJA OY Forchem Oy (72) RINTOLA, Mikko ORTE, Juha VUORENMAA, Juhani
(51) A61K 31/13 A61K 31/196 A61K 31/215 A61K 31/4965 A61K 31/7012 A61K 38/16 A61K 38/17 A61K 39/00 A61K 39/395 A61K 39/42 A61K 45/06 C07K 16/10 G01N 33/569 A61K 47/68	(51) A61K 31/16 C07C 259/06 (11) EP3062783 (21) EP14853451.4 (47) 12.08.2020 (87) US2014061179 23.04.2015 (22) 17.10.2014 (54) IMAGING HISTONE DEACETYLASES WITH A RADIOTRACER USING POSITRON EMISSION TOMOGRAPHY	(72) RINTOLA, Mikko ORTE, Juha VUORENMAA, Juhani (31) 20136113 (32) 13.11.2013 (33) Finland (51) A61K 31/198 A61K 31/395 A61K 31/404 A61K 31/4192 A61K 49/08 A61K 49/10 A61K 51/04 C07C 243/38 C07D 209/42 C07D 249/04 C07D 257/02 C07D 403/12 C07D 403/14
(11) EP3011968 (21) EP14774436.1 (47) 12.08.2020 (87) KR2014002691 02.10.2014 (22) 28.03.2014 (54) COMPOSITION COMPRISING AT LEAST TWO INFLUENZA A VIRUS- NEUTRALIZING-BINDING MOLECULES	(73) The General Hospital Corporation (72) HOOKER, Jacob, M. WANG, Changning SCHROEDER, Frederick, Albert	(31) 20136113 (32) 13.11.2013 (33) Finland (51) A61K 31/198 A61K 31/395 A61K 31/404 A61K 31/4192 A61K 49/08 A61K 49/10 A61K 51/04 C07C 243/38 C07D 209/42 C07D 249/04 C07D 257/02 C07D 403/12 C07D 403/14 (11) EP3229848 (21) EP15866520.8 (47) 12.08.2020 (87) CA2015051304 16.06.2016 (22) 10.12.2015 (54) TARGETED CONTRAST AGENTS COMPRISING A HYDRAZIDE FUNCTIONAL GROUP
(73) Celltrion, Inc. (72) HONG, Seung Suh CHANG, Shin Jae KWON, Ki Sung YI, Kye Sook KIM, Sung Hwan LEE, Eun Beom	(31) 201361892966 P (32) 18.10.2013 (33) United States of America (51) A61K 31/19 A61K 33/00 A61K 33/14 A61M 1/14 A61M 1/16 A61M 1/36 (11) EP3222303 (21) EP15861282.0 (47) 12.08.2020 (87) JP2015082024	(31) 201361892966 P (32) 18.10.2013 (33) United States of America (51) A61K 31/19 A61K 33/00 A61K 33/14 A61M 1/14 A61M 1/16 A61M 1/36 (11) EP3222303 (21) EP15861282.0 (47) 12.08.2020 (87) JP2015082024

(73) RF Therapeutics Inc.	A23L 5/00	A61K 31/428
(72) ZHANG, Jidong	A23L 7/00	A61K 31/505
CURRY, Ken	A23L 9/00	A61K 31/506
(31) 201462090519 P	A23L 21/00	A61K 45/06
201562189414 P	(11) EP2986136	A61P 35/00
(32) 11.12.2014	(21) EP14713955.4	(11) EP3236966
07.07.2015	(47) 12.08.2020	(21) EP15874331.0
(33) United States of America	(87) US2014018296	(47) 12.08.2020
United States of America	18.09.2014	(87) US2015067462
(51) A61K 31/20	(22) 25.02.2014	30.06.2016
A61K 31/201	(54) COMPOSITION AND METHOD	(22) 22.12.2015
A61K 31/202	FOR PREVENTING, REDUCING,	(54) COMBINATION OF RAF INHIBITORS
A61P 25/28	ALLEVIATING, OR TREATING	AND TAXANES
C07C 59/42	IDIOPATHIC VOMITING	(73) DOT Therapeutics-1, Inc.
(11) EP3159329	(73) Mars, Incorporated	(72) BOZON, Viviana
(21) EP16201132.4	(72) PARK, Jean, Soon	GALVIN, Katherine M.
(47) 12.08.2020	HU, Ping	BRAKE, Rachael L.
(22) 15.03.2010	LIN, Yakang	XU, Qunli
(54) USE OF 2-HIDROXYDERIVATES OF	REINSALU, Lori, Ann	KANNAN, Karuppiiah
POLYUNSATURATED FATTY ACIDS AS	(31) 201361786485 P	(31) 201462096020 P
MEDICAMENTS	(32) 15.03.2013	201562242629 P
(73) Lipopharma Therapeutics, S.L	(33) United States of America	(32) 23.12.2014
(72) ESCRIBÁ RUIZ, Pablo Vicente	(51) A61K 31/26	16.10.2015
BUSQUETS XAUBET, Xavier	A61K 31/7024	(33) United States of America
TERÉS JIMÉNEZ, Silvia	A61K 31/7034	United States of America
BARCELÓ COBLIJN, Gwendolyn	A61K 36/185	(51) A61K 31/337
LLADÓ CAÑELLAS, Victoria	A61K 36/31	A61K 31/573
MARCILLA ETXENIKE, Amaia	A61P 25/00	A61P 35/00
MARTÍN, María Laura	A61P 25/02	(11) EP3258931
HIGUERA URBANO, Mónica	(11) EP3280407	(21) EP16714575.4
ÁLVAREZ MARTÍNEZ, Rafael	(21) EP16716505.9	(47) 12.08.2020
LÓPEZ, Daniel Horacio	(47) 12.08.2020	(87) NL2016050111
ROSELLÓ CASTILLO, Catalina Ana	(87) EP2016056864	25.08.2016
FERNÁNDEZ GARCÍA, Paula	13.10.2016	(22) 17.02.2016
TORRES CANALEJO, Manuel	(22) 30.03.2016	(54) USE OF CABAZITAXEL IN THE
(31) 200900725	(54) USE OF ISOTHIOCYANATE	TREATMENT OF PROSTATE CANCER
(32) 16.03.2009	DERIVATIVES AS MODULATORS OF	(73) Erasmus University Medical Center
(33) Spain	PERIPHERAL AND NEUROPATHIC	Rotterdam
(51) A61K 31/20	PAIN	(72) SLEIJFER, Stefan
A61K 33/00	(73) Indena S.p.A.	ONSTENK, Wendy
A61K 35/60	(72) MORAZZONI, Paolo	SIEUWERTS, Anita Maria
A61K 45/06	IORI, Renato	(31) 15155470
A61P 27/00	(31) 15163185	(32) 17.02.2015
A61P 27/02	(32) 10.04.2015	(33) European Patent Office (EPO)
A61P 43/00	(33) European Patent Office (EPO)	(51) A61K 31/337
A61K 35/44	(51) A61K 31/295	A61N 1/40
(11) EP2667882	A61K 33/26	A61K 41/00
(21) EP12739643.0	C07C 51/41	(11) EP2012872
(47) 12.08.2020	A23L 33/165	(21) EP07872062.0
(87) US2012022297	(11) EP3359519	(47) 12.08.2020
02.08.2012	(21) EP16778044.4	(87) IB2007004432
(22) 24.01.2012	(47) 12.08.2020	24.07.2008
(54) METHODS AND COMPOSITIONS	(87) EP2016074022	(22) 03.04.2007
FOR TREATING, REDUCING OR	13.04.2017	(54) TREATING CANCER USING
PREVENTING DETERIORATION OF	(22) 07.10.2016	ELECTROMAGNETIC FIELDS IN
THE VISUAL SYSTEM OF ANIMALS	(54) METHODS FOR PRODUCING	COMBINATION WITH ANTI-CANCER
(73) Société des Produits Nestlé S.A.	CARBOXYLATE LIGAND MODIFIED	DRUGS
(72) PAN, Yuanlong	FERRIC IRON HYDROXIDE COLLOIDS	(73) Novocure GmbH
(31) 201161461913 P	AND RELATED COMPOSITIONS AND	(72) PALTÍ, YORAM
(32) 25.01.2011	USES	(31) 744295 P
(33) United States of America	(73) United Kingdom Research and	(32) 05.04.2006
(51) A61K 31/22	Innovation	(33) United States of America
A61K 31/341	(72) POWELL, Jonathan, Joseph	(51) A61K 31/357
A61K 31/352	FARIA, Nuno, Jorge, Rodrigues	C12N 5/02
A61K 31/409	(31) 201517893	C12N 5/074
A61K 31/4353	(32) 09.10.2015	C12N 5/0775
A61K 31/4402	(33) United Kingdom	(11) EP3147352
A23K 10/00	(51) A61K 31/337	(21) EP15795825.7

(47) 12.08.2020	A61K 31/424	(47) 12.08.2020
(87) KR2015005183 26.11.2015	A61K 31/4355	(87) US2017050003 15.03.2018
(22) 22.05.2015	A61K 31/437	(22) 05.09.2017
(54) METHOD FOR PREPARING INDUCED PLURIPOTENCY STEM CELLS FROM MESENCHYMAL STEM CELLS BY USING PHLOROTANNIN FRACTION	A61P 25/00 A61P 31/00 A61P 35/00 A61P 37/00 A61P 43/00	(54) INDAZOLE DERIVATIVES USEFUL AS GLUCAGON RECEPTOR ANTAGONISTS
(73) BBHC	(11) EP3125883	(73) Janssen Pharmaceutica NV
(72) LEE, Sang Yeon JUNG, Won Ju KIM, Ho Bin OH, Min Sun LEE, Kye Ho	(21) EP15710533.9 (47) 12.08.2020 (87) EP2015055823 08.10.2015	(72) GAUL, Micheal XU, Guozhang YANG, Shyh-Ming LU, Tianbao ZHANG, Rui SONG, Fengbin
(31) 20140062526 20150071240	(22) 19.03.2015	(31) 201662383620 P
(32) 23.05.2014 21.05.2015	(54) INDOLE DERIVATIVES FOR USE IN MEDICINE	(32) 06.09.2016
(33) Korea (Republic) Korea (Republic)	(73) Iomet Pharma Ltd. (72) COWLEY, Phillip WISE, Alan DAVIS, Susan KICZUN, Michael	(33) United States of America
(51) A61K 31/365	(31) 201406154	(51) A61K 31/4178
A61K 31/423	201502156	A61K 31/4184
A61K 31/444	(32) 04.04.2014	A61K 31/4439
A61K 31/5377	10.02.2015	A61K 31/498
A61K 45/06	(33) United Kingdom	A61K 31/5377
A61P 7/02	United Kingdom	A61P 31/14
(11) EP3213749	(51) A61K 31/4155	C07D 401/14
(21) EP15854130.0	C07D 231/10	C07D 403/14
(47) 12.08.2020	(11) EP3393472	C07D 409/14
(87) CN2015093305	(21) EP16879916.1	C07D 413/14
06.05.2016	(47) 12.08.2020	C07D 419/048
(22) 30.10.2015	(87) US2016067419	C07D 491/056
(54) PHARMACEUTICAL COMPOSITION CONTAINING GINKGOLIDE B AND XA FACTOR INHIBITOR, PREPARATION METHOD THEREOF AND USE THEREOF	29.06.2017	C07D 491/113
(73) Chengdu Baiyu Pharmaceutical Co., Ltd.	(22) 19.12.2016	C07D 495/04
(72) SUN, Yi	(54) 3-(1H-PYRAZOL-4-YL)PYRIDINE ALLOSTERIC MODULATORS OF THE M4 MUSCARINIC ACETYLCHOLINE RECEPTOR	C07D 498/04
(31) 201410606703	(73) Merck Sharp & Dohme Corp. MSD R&D (China) Co., Ltd.	C07D 519/00
(32) 30.10.2014	(72) ACTON, John, J., III BAO, Jianming EGBERTSON, Melissa GAO, Xiaolei HARRISON, Scott T. KNOWLES, Sandra L. LI, Chunsing LO, Michael Man-Chu MAZZOLA, Robert D., Jr. MENG, Zhaoyang RUDD, Michael, T. SELYUTIN, Oleg TELLERS, David, M. TONG, Ling WAI, Jenny Miu-Chun	(11) EP3153515
(33) China	(31) PCT/CN2015/098384	(21) EP14893934.1
(51) A61K 31/381	(32) 23.12.2015	(47) 12.08.2020
C07D 333/06	(33) World Intellectual Property Office (WIPO)	(87) CN2014092902 10.12.2015
C07D 333/10	(51) A61K 31/416	(22) 03.12.2014
(11) EP3339300	A61P 3/10	(54) COMPOUNDS FOR INHIBITING HEPATITIS C VIRUS, PHARMACEUTICAL COMPOSITIONS AND USES THEREOF
(21) EP16848848.4	C07D 231/56	(73) AB Pharma Ltd.
(47) 12.08.2020	C07D 401/04	(72) ZHAN, Zheng-yun James
(87) KR2016010193	C07D 401/06	(31) PCT/CN2014/079386
30.03.2017	C07D 405/14	(32) 06.06.2014
(22) 09.09.2016	C07D 409/04	(33) World Intellectual Property Office (WIPO)
(54) METHOD FOR PREPARING THIENYL ALANINE HAVING OPTICAL ACTIVITY	(11) EP3510026	(51) A61K 31/4196
(73) Aminologics Co., Ltd.	(21) EP17768322.4	A61P 9/00
(72) BYUN, Il-Suk LEE, Jung-Ho LEE, Hyun-Seok KIM, Won-Sup		C07D 401/14
(31) 20150136527		C07D 403/04
(32) 25.09.2015		C07D 403/14
(33) Korea (Republic)		C07D 405/04
(51) A61K 31/404		C07D 405/14
A61K 31/4045		C07D 409/14
A61K 31/405		C07D 471/04
A61K 31/407		(11) EP3452466
A61K 31/4184		(21) EP17733197.2
A61K 31/4188		(47) 12.08.2020
A61K 31/423		(87) US2017030501 09.11.2017
		(22) 02.05.2017
		(54) HETEROCYCLIC TRIAZOLE COMPOUNDS AS AGONISTS OF THE APJ RECEPTOR
		(73) Amgen Inc.
		(72) CHEN, Xiaoqi

CHEN, Yinhong	C07D 495/04	C07K 16/28
CHENG, Alan C.	(11) EP2807171	(11) EP3377107
CONNORS, Richard V.	(21) EP13741412.4	(21) EP16806416.0
DEBENEDETTO, Mikkel V.	(47) 12.08.2020	(47) 12.08.2020
DRANSFIELD, Paul John	(87) AU2013000062	(87) US2016062859
FU, Zice	01.08.2013	26.05.2017
HARVEY, James S.	(22) 25.01.2013	(22) 18.11.2016
HEATH, Julie Anne	(54) HETEROCYCLIC COMPOUNDS AND	(54) METHODS OF TREATING CANCER
HEDLEY, Simon J.	METHODS FOR THEIR USE	USING B-RAF INHIBITORS AND
HOUZE, Jonathan	(73) Novartis AG	IMMUNE CHECKPOINT INHIBITORS
JUDD, Ted C.	(72) MCCARTHY, Thomas David	(73) F. Hoffmann-La Roche AG
KHAKOO, Aarif Yusuf	NAYLOR, Alan	(72) COLBURN, Dawn
KOPECKY, David J.	(31) 2012900285	RICHE, Nicole
LAI, Su-Jen	(32) 25.01.2012	(31) 201562257645 P
MA, Zhihua	(33) Australia	(32) 19.11.2015
NISHIMURA, Nobuko	(51) A61K 31/437	(33) United States of America
OLSON, Steven H.	A61K 31/444	(51) A61K 31/438
PATTAROPONG, Vatee	A61K 31/4745	C07D 471/10
SWAMINATH, Gayathri	A61K 31/496	C07D 498/20
WANG, Xiaodong	A61K 31/4985	(11) EP3134408
YEH, Wen-Chen	A61K 31/5025	(21) EP15783339.3
(31) 201662330923 P	A61K 31/519	(47) 12.08.2020
201662422763 P	A61P 35/00	(87) US2015026774
(32) 03.05.2016	C07D 471/02	29.10.2015
16.11.2016	C07D 471/04	(22) 21.04.2015
(33) United States of America	C07D 473/34	(54) FACTOR XIa INHIBITORS
United States of America	C07D 487/04	(73) Merck Sharp & Dohme Corp.
(51) A61K 31/427	(11) EP3417912	(72) LIM, Yeon-Hee
A61P 31/04	(21) EP18183366.6	GUO, Zhuyan
C07D 417/14	(47) 12.08.2020	ALI, Amjad
(11) EP3353175	(22) 22.12.2006	EDMONDSON, Scott D.
(21) EP16848099.4	(54) BICYCLIC HETEROARYL	LIU, Weiguo
(47) 12.08.2020	COMPOUNDS	GALLO-ETIENNE, Gioconda V.
(87) CN2016099482	(73) ARIAD Pharmaceuticals, Inc.	WU, Heping
30.03.2017	(72) ZOU, Dong	GAO, Ying-Duo
(22) 20.09.2016	METCALF, Chester A, III	STAMFORD, Andrew M.
(54) SALTS AND SOLID FORMS OF A	DALGARNO, David C	YU, Younong
MONOBACTAM ANTIBIOTIC	SAWYER, Tomi K	KEVIN, Nancy J.
(73) Novartis AG	HUANG, Wei-sheng	ANAND, Rajan
(72) AUBIN, Eric	THOMAS, Mathew R	SHA, Deyou
FISCH, Andreas	ROMERO, Jan Antoinette C	NEELAMKAVIL, Santhosh F.
MUTZ, Michael	QI, Jiwei	HUSSAIN, Zahid
RIEBESEHL, Bernd Ulrich	WANG, Yihan	KUMAR, Puneet
SCHOENHENTZ, Marc	ZHU, Xiaotian	MONINGKA, Remond
CASAREZ, Anthony	SHAKESPEARE, William C	DUFFY, Joseph L.
LI, Zaixing	SUNDARAMOORTHY, Rajeswari	XU, Jiayi
LINDVALL, Mika	(31) 75400005 P	JIANG, Yu
MOSER, Heinz Ernst	75396205 P	SONE, Hiroki
RECK, Folkert	75608906 P	CHAKRABARTI, Anjan
SETHURAMAN, Vijay	79847206 P	(31) 201461982420 P
SIMMONS, Robert Lowell	83319106 P	(32) 22.04.2014
(31) 201562222430 P	(32) 23.12.2005	(33) United States of America
(32) 23.09.2015	23.12.2005	(51) A61K 31/439
(33) United States of America	03.01.2006	C07D 498/18
(51) A61K 31/4355	08.05.2006	(11) EP3440086
A61K 31/436	25.07.2006	(21) EP17715280.8
A61K 31/4365	(33) United States of America	(47) 12.08.2020
A61K 31/437	United States of America	(87) IB2017051739
A61K 31/4375	United States of America	12.10.2017
A61K 31/519	United States of America	(22) 27.03.2017
A61P 25/02	United States of America	(54) CRYSTALLINE FORMS OF LORLATINIB
A61P 25/04	(51) A61K 31/437	MALEATE
A61P 35/00	A61K 31/4523	(73) Pfizer Inc.
C07D 211/60	A61K 39/00	(72) PENICHEVA, Klimentina Dimitrova
C07D 211/66	A61K 39/395	(31) 201662320305 P
C07D 471/04	A61K 45/06	(32) 08.04.2016
C07D 491/048	A61P 35/00	(33) United States of America
C07D 491/056	A61P 35/04	(51) A61K 31/4409

A61K 36/48	A61K 31/5375	C07D 405/12
A61P 17/04	A61P 35/00	(11) EP2833886
A61P 17/06	(11) EP3518927	(21) EP13772953.9
A61P 17/18	(21) EP17791160.9	(47) 12.08.2020
A61Q 19/08	(47) 12.08.2020	(87) US2013035176
C12N 5/00	(87) IB2017056010	10.10.2013
A61K 8/9789	05.04.2018	(22) 03.04.2013
(11) EP3471837	(22) 29.09.2017	(54) SUBSTITUTED QUINOLINES AS
(21) EP17729164.8	(54) 1-PHENYLPROPANONE COMPOUNDS	BRUTON'S TYROSINE KINASE
(47) 12.08.2020	AND USE THEREOF	INHIBITORS
(87) EP2017064640	(73) Universita' Degli Studi Di Padova	(73) HangzhouDeRenYuCheng Biotechnology
21.12.2017	(72) ZAGOTTO, Giuseppe	Ltd.
(22) 14.06.2017	RIBAUDO, Giovanni	(72) ZHNAG, Dawei
(54) EXTRACT OF UNDIFFERENTIATED	BRUNATI, Anna Maria	(31) 201261686321 P
CELLS OF MIMOSA PUDICA AND	PAGANO, Mario Angelo Primo	(32) 04.04.2012
USES THEREOF IN DERMO-	TIBALDI, Elena	(33) United States of America
COSMETICS	TRENTIN, Livio	(51) A61K 31/496
(73) Pierre Fabre Dermo-Cosmétique	(31) 201600098338	A61P 25/00
(72) NGUYEN, Thien	(32) 30.09.2016	C07D 215/22
COUSY, Adrien	(33) Italy	C07D 215/227
(31) 1655630	(51) A61K 31/454	C07D 401/12
(32) 16.06.2016	A61K 31/498	G01N 33/53
(33) France	A61P 31/12	A61K 47/62
(51) A61K 31/4412	(11) EP3213750	A61K 47/64
A61K 38/19	(21) EP17165207.6	(11) EP3321254
A61K 48/00	(47) 12.08.2020	(21) EP17204734.2
A01N 63/00	(22) 14.03.2014	(47) 12.08.2020
(11) EP3409119	(54) COMBINATION OF TWO ANTIVIRALS	(22) 20.08.2013
(21) EP18166620.7	FOR TREATING HEPATITIS C	(54) HAPTENS OF ARIPIPRAZOLE AND
(47) 12.08.2020	(73) AbbVie Inc.	THEIR USE IN IMMUNOASSAYS
(22) 14.09.2010	(72) BERNSTEIN, Barry M.	(73) Janssen Pharmaceutica NV
(54) ONCOLYTIC VACCINIA VIRUS	DUTTA, Sandeep	(72) LIN, Ronghui
COMBINATION CANCER THERAPY	LIU, Wei	SALTER, Rhys
(73) SillaJen Biotherapeutics, Inc.	PODSADECKI, Thomas J.	DECORY, Thomas R.
(72) KIRN, David	CAMPBELL, Andrew L.	HRYHORENKO, Eric
BREITBACH, Caroline	MENON, Rajeev M.	REMMERIE, Bart M.
(31) 242238 P	LIN, Chih-Wei	SANKARAN, Banumathi
244250 P	WANG, Tianli	(31) 201261691450 P
(32) 14.09.2009	AWNI, Walid M.	(32) 21.08.2012
21.09.2009	MENSING, Sven	(33) United States of America
(33) United States of America	(31) 201361783376 P	(51) A61K 31/496
United States of America	(32) 14.03.2013	A61P 25/02
(51) A61K 31/4427	(33) United States of America	A61P 25/24
A61P 9/00	(51) A61K 31/4704	A61P 25/28
C07D 213/74	A61K 31/495	C07D 401/12
C07D 401/04	A61K 31/496	C07D 471/08
C07D 401/06	A61K 31/5025	(11) EP3362441
C07D 401/14	A61K 31/551	(21) EP16790475.4
C07D 413/04	A61K 31/635	(47) 12.08.2020
C07D 413/14	A61P 7/06	(87) US2016056714
C07D 417/04	A61P 43/00	20.04.2017
C07D 417/14	(11) EP3372230	(22) 13.10.2016
(11) EP3526198	(21) EP18154746.4	(54) SELECTIVE NR2B ANTAGONISTS
(21) EP17788068.9	(47) 12.08.2020	(73) Bristol-Myers Squibb Company
(47) 12.08.2020	(22) 03.05.2012	(72) ISLAM, Imadul
(87) US2017056265	(54) PYRUVATE KINASE ACTIVATORS FOR	THANGATHIRUPATHY, Srinivasan
19.04.2018	USE FOR INCREASING LIFETIME	WARRIER, Jayakumar Sankara
(22) 12.10.2017	OF THE RED BLOOD CELLS AND	CHERUKU, Srinivas
(54) 3-SULFONYL-5-AMINOPYRIDINE-2,4-	TREATING ANEMIA	SHETTY, Poornima
DIOL APJ AGONISTS	(73) Agios Pharmaceuticals, Inc.	GUPTA, Grandhi Venkat Ram Krishna
(73) Bristol-Myers Squibb Company	(72) SU, Shin-San Michael	Mohan
(72) RICHTER, Jeremy M.	(31) 201161482167 P	MACOR, John E.
BATES, J. Alex	(32) 03.05.2011	(31) 3308DE2015
(31) 201662408272 P	(33) United States of America	(32) 14.10.2015
(32) 14.10.2016	(51) A61K 31/4706	(33) India
(33) United States of America	A61K 31/4709	(51) A61K 31/497
(51) A61K 31/4453	A61P 35/00	A61P 11/00
A61K 31/4965	C07D 215/54	A61P 17/00

A61P 27/02	A61K 35/28	(33) United States of America
C07D 401/14	(11) EP3384912	(51) A61K 31/662
C07D 403/12	(21) EP18159906.9	C07F 9/54
C07D 403/14	(47) 12.08.2020	(11) EP3548500
C07D 405/14	(22) 20.04.2012	(21) EP17797657.8
(11) EP3472154	(54) METHOD FOR COMBINED	(47) 12.08.2020
(21) EP17734416.5	CONDITIONING AND	(87) EP2017079362
(47) 12.08.2020	CHEMOSELECTION IN A SINGLE	07.06.2018
(87) GB2017051815	CYCLE	(22) 15.11.2017
28.12.2017	(73) The Regents of the University of	(54) COMPOUNDS FOR TREATMENT OF
(22) 21.06.2017	California	SENESCENCE-RELATED DISORDERS
(54) COMPOUNDS	(72) Noriyuki, KASAHARA	(73) Springtide Ventures s.r.o.
(73) Enterprise Therapeutics Limited	SCHIESTL, Robert, H.	Smart Brain s.r.o.
(72) MCCARTHY, Clive	HACKE, Katrin	Biotechnologicky ustav AV CR, v.v.i.
HARGRAVE, Jonathan David	SZAKMARY, Akos	MitoTAX s.r.o.
HAY, Duncan Alexander	CROOKS, Gay, M.	(72) HUBACKOVA, Sonja
SCHOFIELD, Thomas Beauregard	(31) 201161477440 P	WERNER, Lukas
WENT, Naomi	(32) 20.04.2011	STURSA, Jan
(31) 201610854	(33) United States of America	NEUZIL, Jiri
(32) 21.06.2016	(51) A61K 31/529	(31) 16201594
(33) United Kingdom	A61P 35/00	(32) 01.12.2016
(51) A61K 31/505	C07D 498/08	(33) European Patent Office (EPO)
A61K 31/519	C07D 498/18	(51) A61K 31/685
A61P 29/00	C07D 515/08	A61K 38/00
A61P 35/00	(11) EP3359544	A61K 38/17
C07D 487/12	(21) EP16774683.3	A61P 35/00
C07D 487/14	(47) 12.08.2020	C07F 9/10
(11) EP3388436	(87) EP2016073399	C07K 14/47
(21) EP18174175.2	13.04.2017	(11) EP1635856
(47) 12.08.2020	(22) 30.09.2016	(21) EP04760194.3
(22) 17.03.2014	(54) NOVEL MODIFIED MACROCYCLIC	(47) 12.08.2020
(54) PYRIMIDO-DIAZEPINONE	COMPOUNDS	(87) US2004008020
COMPOUNDS AND METHODS OF	(73) Bayer Pharma Aktiengesellschaft	11.11.2004
TREATING DISORDERS	(72) LÜCKING, Ulrich	(22) 17.03.2004
(73) Dana-Farber Cancer Institute, Inc.	HOG, Daniel	(54) SAPOSIN C-DOPS: A NOVEL ANTI-
(72) GRAY, Nathanael, S.	GEISLER, Jens	TUMOR AGENT
WALLER, David	SCHOLZ, Arne	(73) Children's Hospital Medical Center
CHOI, Hwan Guen	PETERSEN, Kirstin	(72) Qi, Xiaoyang
WANG, Jinhua	LIENAU, Philip	(31) 466166 P
DENG, Xianming	STEGMANN, Christian	801517
(31) 201361802075 P	ANDRES, Dorothee	(32) 28.04.2003
(32) 15.03.2013	SIEMEISTER, Gerhard	16.03.2004
(33) United States of America	WERBECK, Nicolas	(33) United States of America
(51) A61K 31/52	(31) 15188914	United States of America
A61K 31/5377	(32) 08.10.2015	(51) A61K 31/69
A61P 35/00	(33) European Patent Office (EPO)	A61P 35/00
C07D 473/16	(51) A61K 31/554	C07C 229/02
C07D 473/18	A61P 25/00	C07F 5/02
C07D 473/32	C07D 281/16	(11) EP3363803
(11) EP2578584	C07D 417/12	(21) EP16854873.3
(21) EP10851938.0	C07D 417/14	(47) 12.08.2020
(47) 12.08.2020	A61K 47/64	(87) CN2016099713
(87) CN2010002126	(11) EP3305784	20.04.2017
01.12.2011	(21) EP17184340.2	(22) 22.09.2016
(22) 23.12.2010	(47) 12.08.2020	(54) UREA PEPTOID BORIC ACID
(54) ARYLAMINO PURINE DERIVATIVES,	(22) 20.08.2013	COMPOUND, PHARMACEUTICAL
PREPARATION METHOD AND	(54) HAPTENS OF QUETIAPINE FOR USE	COMPOSITION THEREOF,
PHARMACEUTICAL USE THEREOF	IN IMMUNOASSAYS	PREPARATION METHOD THEREFOR,
(73) Si Chuan University	(73) Janssen Pharmaceutica NV	AND USES THEREOF
CSPC Zhongqi Pharmaceutical	(72) DONAHUE, Matthew Garrett	(73) Peking University
Technology (Shijiazhuang) Co., Ltd.	GONG, Yong	Zhengzhou Granlen Pharmatech. Ltd.
(72) YANG, Shengyong	SALTER, Rhys	(72) LI, Runtao
WEI, Yuquan	HRYHORENKO, Eric	AN, Haoyun
(31) 201010184478	DECORY, Thomas R.	HAN, Liqiang
(32) 26.05.2010	REMMERIE, Bart M.	GE, Zemei
(33) China	SANKARAN, Banumathi	CUI, Jingrong
(51) A61K 31/52	(31) 201261691462 P	CHENG, Tieming
A61P 37/06	(32) 21.08.2012	(31) 201510665219

(32) 15.10.2015	(73) Genzyme Corporation	C12P 19/34
(33) China	(72) NELSON, Carol A.	C12N 15/113
(51) A61K 31/704	WENTWORTH, Bruce M.	A01H 5/00
A61K 39/395	SCHEULE, Ronald K.	(11) EP3158067
A61P 35/00	WEEDEN, Timothy E.	(21) EP15812530.2
G01N 33/50	CLAYTON, Nicholas P.	(47) 12.08.2020
C12Q 1/68	(31) 201462002294 P	(87) US2015037015
(11) EP3103475	(32) 23.05.2014	30.12.2015
(21) EP14882054.1	(33) United States of America	(22) 22.06.2015
(47) 12.08.2020	(51) A61K 31/7105	(54) COMPOSITIONS AND METHODS FOR
(87) KR2014011376	A61K 31/713	REGULATING GENE EXPRESSION VIA
13.08.2015	A61K 36/35	RNA INTERFERENCE
(22) 25.11.2014	A61K 36/355	(73) Monsanto Technology LLC
(54) ANTICANCER ADJUVANT	A61P 31/16	(72) IANDOLINO, Alberto
COMPOSITION CONTAINING RIP3	C12N 15/113	SANCHEZ, Juan Pedro
EXPRESSION PROMOTER AS	C12Q 1/68	(31) 201462015950 P
ACTIVE INGREDIENT, METHOD FOR	(11) EP2886652	(32) 23.06.2014
SCREENING FOR ANTICANCER	(21) EP13829580.3	(33) United States of America
ADJUVANT ENHANCING SENSITIVITY	(47) 12.08.2020	(51) A61K 31/712
OF ANTICANCER DRUG BY	(87) CN2013081583	A61K 31/7125
PROMOTING RIP3 EXPRESSION,	20.02.2014	C12N 15/115
AND METHOD FOR MONITORING	(22) 15.08.2013	(11) EP3044334
SENSITIVITY OF ANTICANCER DRUG	(54) EXTRACTION, PREPARATION, AND	(21) EP14842475.7
(73) Ajou University Industry-Academic	APPLICATION OF PLANT MICRO-	(47) 12.08.2020
Cooperation Foundation	RIBONUCLEIC ACID	(87) US2014054561
(72) KIM, You Sun	(73) Micromedmark Biotech Co., Ltd	12.03.2015
KOO, Gi Bang	(72) ZHANG, Chenyu	(22) 08.09.2014
YUN, Jung Ho	ZHANG, Junfeng	(54) PDGF AND VEGF APTAMERS HAVING
KIM, Woo Jung	ZENG, Ke	IMPROVED STABILITY AND THEIR
JO, Yu Na	DONG, Lei	USE IN TREATING PDGF AND
(31) 20140014242	(31) 201210291378	VEGF MEDIATED DISEASES AND
20140014243	(32) 15.08.2012	DISORDERS
(32) 07.02.2014	(33) China	(73) Somalogic, Inc.
07.02.2014	(51) A61K 31/7105	(72) JANJIC, Nebojsa
(33) Korea (Republic)	A61K 39/00	DROLET, Daniel W.
Korea (Republic)	A61K 48/00	GELINAS, Amy D.
(51) A61K 31/7088	A61P 35/00	ZHANG, Chi
A61P 35/00	A61P 39/00	VRKLJAN, Michael
C12N 15/113	C07K 14/47	(31) 201361875660 P
(11) EP3265565	C07K 14/535	(32) 09.09.2013
(21) EP16710890.1	C12N 15/62	(33) United States of America
(47) 12.08.2020	C12N 15/85	(51) A61K 31/713
(87) US2016020687	C12N 15/861	A61P 27/02
09.09.2016	C12N 5/0784	A61P 35/00
(22) 03.03.2016	C12N 15/113	A61P 37/00
(54) METHODS OF TREATING CANCER	(11) EP3388522	C07H 21/00
HARBORING HEMIZYGOUS LOSS OF	(21) EP16873339.2	C12N 15/113
TP53	(47) 12.08.2020	(11) EP2978844
(73) Board of Regents, The University of	(87) KR2016014325	(21) EP14713127.0
Texas System	15.06.2017	(47) 12.08.2020
(72) LU, Xiongbn	(22) 07.12.2016	(87) EP2014056232
LIU, Yunhua	(54) ANTITUMOR COMPOSITION	02.10.2014
(31) 201562128480 P	COMPRIING GM-CSF GENE, FLT3L-	(22) 27.03.2014
(32) 04.03.2015	TRAIL FUSION GENE, SHRNA	(54) MODIFIED TGF-BETA2
(33) United States of America	INHIBITING TGF- EXPRESSION, AND	OLIGONUCLEOTIDES
(51) A61K 31/7105	SHRNA INHIBITING HSP EXPRESSION	(73) ISARNA Therapeutics GmbH
A61K 31/712	(73) University-Industry Foundation, Yonsei	(72) JASCHINSKI, Frank
C12N 15/113	University	JANICOT, Michel
(11) EP3146050	(72) SONG, Jae Jin	UHLMANN, Eugen
(21) EP15727794.8	HAN, Zhe Zhu	(31) 13161474
(47) 12.08.2020	KANG, Dong Xu	13173078
(87) US2015032141	XU, Rong	13199838
26.11.2015	CHOI, Hye Jin	(32) 27.03.2013
(22) 22.05.2015	(31) 20150173858	20.06.2013
(54) INHIBITING OR DOWNREGULATING	(32) 08.12.2015	30.12.2013
GLYCOGEN SYNTHASE BY CREATING	(33) Korea (Republic)	(33) European Patent Office (EPO)
PREMATURE STOP CODONS USING	(51) A61K 31/7105	European Patent Office (EPO)
ANTISENSE OLIGONUCLEOTIDES	C12N 15/10	European Patent Office (EPO)

(51) A61K 36/185	FEOLA, Monica	(32) 10.09.2012
A61K 36/235	DI MANZANO, Carlo Maria	23.05.2013
A61K 36/484	(31) UB20155532	(33) United States of America
A61K 36/58	(32) 12.11.2015	United States of America
A61K 36/9068	(33) Italy	<hr/>
A01N 65/00	(51) A61K 38/00	(51) A61K 38/46
A01N 65/08	A61P 9/00	A61K 38/54
A01N 65/10	A61P 25/16	A61K 48/00
(11) EP2393366	A61P 27/02	A61P 21/00
(21) EP10707332.2	C07K 7/04	A61P 21/04
(47) 12.08.2020	C07K 14/705	A61P 43/00
(87) GB2010000216	G01N 33/50	C12N 7/00
12.08.2010	G16C 20/90	C12N 9/22
(22) 05.02.2010	G16C 99/00	C12N 15/00
(54) HERBAL COMPOSITIONS FOR THE	(11) EP3107933	(11) EP3116533
CONTROL OF HEMATOPHAGOUS	(21) EP15705512.0	(21) EP15761320.9
PARASITES	(47) 12.08.2020	(47) 12.08.2020
(73) Herbal Biotech Limited	(87) EP2015051376	(87) US2015020205
(72) BROWN, Roy, Walter	30.07.2015	17.09.2015
(31) 0901918	(22) 23.01.2015	(22) 12.03.2015
(32) 06.02.2009	(54) MIMETIC PEPTIDES AND THEIR USE	(54) DYSTROPHIN GENE EXON DELETION
(33) United Kingdom	IN MEDICINE	USING ENGINEERED NUCLEASES
<hr/>	(73) CONSIGLIO NAZIONALE DELLE	(73) Precision Biosciences, Inc.
(51) A61K 36/19	RICERCHE	(72) JANTZ, Derek
A61P 1/12	(72) CATALUCCI, Daniele	SMITH, James, Jefferson
A61P 11/00	CONDORELLI, Gianluigi	NICHOLSON, Michael, G.
A61P 11/02	(31) MI20140097	(31) 201461951648 P
A61P 11/06	(32) 24.01.2014	(32) 12.03.2014
A61P 17/00	(33) Italy	(33) United States of America
A61P 27/14	<hr/>	<hr/>
A61P 27/16	(51) A61K 38/17	(51) A61K 39/00
A61P 37/08	A61P 17/02	A61K 39/38
A61Q 19/00	(11) EP3328414	(11) EP2968497
A61K 8/9789	(21) EP16833537.0	(21) EP14764623.6
(11) EP3207935	(47) 12.08.2020	(47) 12.08.2020
(21) EP15851222.8	(87) US2016044086	(87) US2014028521
(47) 12.08.2020	09.02.2017	18.09.2014
(87) KR2015010994	(22) 26.07.2016	(22) 14.03.2014
21.04.2016	(54) COMPOSITION FOR USE IN	(54) COMPOSITIONS AND METHODS FOR
(22) 16.10.2015	PROMOTING WOUND HEALING	TREATING FUNGAL AND BACTERIAL
(54) COMPOSITION CONTAINING	(73) Blue Blood Biotech Corp.	PATHOGENS
EXTRACT OR FRACTION OF GENUS	(72) SHI, Guey-Yueh	(73) Los Angeles Biomedical Research
JUSTICIA PLANT	WANG, Kuan-Chieh	Institute at Harbor-UCLA Medical Center
(73) Dong Wha Pharm. Co. Ltd.	HONG, Yi-Kai	Novadigm Therapeutics, Inc.
(72) YOON, Joo Byoung	MA, Chih-Yuan	(72) IBRAHIM, Ashraf, S.
LEE, Hyun Yong	WU, Hua-Lin.	YEAMAN, Michael, R.
YOUM, Ji Hyun	(31) 201562199676 P	FILLER, Scott, G.
KIM, Kwang Hyun	(32) 31.07.2015	EDWARDS, John, E., Jr.
JEON, Ji Hyun	(33) United States of America	HENNESSEY, John, P., Jr.
CHANG, Hwan Bong	<hr/>	(31) 201361789091 P
HWANG, Yun Ha	(51) A61K 38/19	(32) 15.03.2013
SEONG, Seung Kyoo	A61P 25/16	(33) United States of America
CHOI, Dong Rack	A61P 25/24	<hr/>
(31) 20140139734	A61P 25/28	(51) A61K 39/00
(32) 16.10.2014	(11) EP2892547	A61P 1/16
(33) Korea (Republic)	(21) EP13766804.2	A61P 1/18
<hr/>	(47) 12.08.2020	A61P 11/00
(51) A61K 36/28	(87) US2013059071	A61P 13/00
A61P 1/16	13.03.2014	A61P 13/08
(11) EP3373945	(22) 10.09.2013	A61P 15/00
(21) EP16808920.9	(54) A DOMINANT NEGATIVE TNF-ALPHA	C07K 16/00
(47) 12.08.2020	INHIBITOR FOR USE IN TREATING	C07K 16/22
(87) EP2016077246	NEUROLOGICAL DISORDERS OF THE	C07K 16/28
18.05.2017	CNS	G01N 33/68
(22) 10.11.2016	(73) Xencor, Inc.	A61K 47/68
(54) AN ORAL DRUG FORMULATION	(72) SZYMKOWSKI, David	(11) EP2385955
COMPRISING SILYBIN	TANSEY, Malu	(21) EP10729683.2
(73) ISTITUTO BIOCHIMICO ITALIANO	PROBERT, Lesley	(47) 12.08.2020
GIOVANNI LORENZINI S.p.A.	(31) 201261699230 P	(87) US2010020820
(72) DE IASI, Gianluca	201361826922 P	15.07.2010
		(22) 12.01.2010



<p>(54) MODIFIED ANTIBODY COMPOSITIONS, METHODS OF MAKING AND USING THEREOF</p> <p>(73) CytomX Therapeutics, Inc.</p> <p>(72) STAGLIANO, Nancy, E. WEST, James, W. KAMATH, Kathryn BESSETTE, Paul, H. GLUCK, Fred SAGERT, Jason DAUGHERTY, Patrick</p> <p>(31) 144105 P 144110 P 249416 P 249441 P</p> <p>(32) 12.01.2009 12.01.2009 07.10.2009 07.10.2009</p> <p>(33) United States of America United States of America United States of America United States of America</p> <hr/> <p>(51) A61K 39/00 A61P 35/00 A61P 35/02 A61P 37/02 A61P 43/00 C12N 5/0784 A61K 35/15</p> <p>(11) EP3272857 (21) EP16765008.4 (47) 12.08.2020 (87) JP2016058295 22.09.2016</p> <p>(22) 16.03.2016</p> <p>(54) METHOD FOR PREPARING DENDRITIC CELL BY NON-ADHESIVE CULTURE USING IFN</p> <p>(73) Shimodaira, Shigetaka</p> <p>(72) SHIMODAIRA, Shigetaka KOYA, Terutsugu</p> <p>(31) 2015053804 (32) 17.03.2015 (33) Japan</p> <hr/> <p>(51) A61K 39/00 A61P 35/00 C07D 487/04 C07D 519/00 C07K 16/28 C07K 16/30 A61K 47/68</p> <p>(11) EP3313845 (21) EP16738322.3 (47) 12.08.2020 (87) US2016039796 05.01.2017</p> <p>(22) 28.06.2016</p> <p>(54) CONJUGATES OF CYSTEINE ENGINEERED ANTIBODIES</p> <p>(73) ImmunoGen, Inc.</p> <p>(72) YODER, Nicholas C. BAI, Chen MILLER, Michael Louis</p> <p>(31) 201562186254 P 201662338245 P (32) 29.06.2015 18.05.2016</p>	<p>(33) United States of America United States of America</p> <hr/> <p>(51) A61K 39/00 C12Q 1/70 G16B 20/30 G16C 20/60</p> <p>(11) EP3362929 (21) EP16856095.1 (47) 12.08.2020 (87) US2016056594 20.04.2017</p> <p>(22) 12.10.2016</p> <p>(54) VIRAL NEOEPITOPES AND USES THEREOF</p> <p>(73) Nantomics, LLC</p> <p>(72) NGUYEN, Andrew BENZ, Stephen Charles SANBORN, John Zachary</p> <p>(31) 201562240471 P (32) 12.10.2015 (33) United States of America</p> <hr/> <p>(51) A61K 39/015 C12N 15/86</p> <p>(11) EP3405582 (21) EP17701449.5 (47) 12.08.2020 (87) EP2017051029 27.07.2017</p> <p>(22) 19.01.2017</p> <p>(54) AN IMPROVED ADENOVIRUS BASED MALARIA VACCINE ENCODING AND DISPLAYING A MALARIA ANTIGEN</p> <p>(73) Janssen Vaccines &amp; Prevention B.V.</p> <p>(72) CUSTERS, Jérôme, H.H.V. VELLINGA, Jort VUJADINOVIC, Marija VAN DER HELM, Esmeralda</p> <p>(31) 16152163 (32) 21.01.2016 (33) European Patent Office (EPO)</p> <hr/> <p>(51) A61K 39/145</p> <p>(11) EP3260137 (21) EP17168480.6 (47) 12.08.2020 (22) 27.01.2009</p> <p>(54) CANINE INFLUENZA VACCINES</p> <p>(73) Boehringer Ingelheim Animal Health USA Inc.</p> <p>(72) MINKE, Jules Maarten KARACA, Kemal YAO, Jiansheng</p> <p>(31) 20656 (32) 28.01.2008 (33) United States of America</p> <hr/> <p>(51) A61K 39/395 A61K 45/00 A61P 25/00 C07K 16/28 C12Q 1/06 G01N 33/50 G01N 33/564</p> <p>(11) EP3009518 (21) EP14811138.8 (47) 12.08.2020 (87) JP2014065449 18.12.2014</p> <p>(22) 11.06.2014</p>	<p>(54) METHOD FOR PREDICTING POST-THERAPY PROGNOSIS OF RELAPSING-REMITTING MULTIPLE SCLEROSIS (RRMS) PATIENT, AND METHOD FOR DETERMINING APPLICABILITY OF NOVEL THERAPY</p> <p>(73) National Center of Neurology and Psychiatry Chugai Seiyaku Kabushiki Kaisha</p> <p>(72) YAMAMURA, Takashi NAKAMURA, Masakazu</p> <p>(31) 2013122845 (32) 11.06.2013 (33) Japan</p> <hr/> <p>(51) A61K 39/395 A61P 35/00 A61P 35/02 A61P 43/00 C07K 16/28</p> <p>(11) EP3245231 (21) EP16702306.8 (47) 12.08.2020 (87) US2016013808 21.07.2016</p> <p>(22) 18.01.2016</p> <p>(54) ANTIBODIES AND CHIMERIC ANTIGEN RECEPTORS SPECIFIC FOR ROR1</p> <p>(73) Juno Therapeutics, Inc.</p> <p>(72) CHEN, Yan SHAMAH, Steven M. PAZMANY, Csaba DUTTA-SIMMONS, Jui</p> <p>(31) 201562104664 P (32) 16.01.2015 (33) United States of America</p> <hr/> <p>(51) A61K 39/395 A61P 35/00 A61P 37/02 C07K 16/12 C07K 16/24 C07K 16/28 C07K 16/30 C07K 16/46</p> <p>(11) EP2847230 (21) EP13788302.1 (47) 12.08.2020 (87) CA2013000471 14.11.2013</p> <p>(22) 10.05.2013</p> <p>(54) HETEROMULTIMER CONSTRUCTS OF IMMUNOGLOBULIN HEAVY CHAINS WITH MUTATIONS IN THE FC DOMAIN</p> <p>(73) Zymeworks Inc.</p> <p>(72) SPRETER VON KREUDENSTEIN, Thomas ESCOBAR-CABRERA, Eric NG, Gordon YiuKon DIXIT, Surjit Bhimarao LARIO, Paula Irene POON, David Kai Yuen</p> <p>(31) 201261645555 P (32) 10.05.2012 (33) United States of America</p> <hr/> <p>(51) A61K 45/00 A23L 33/00 A23L 33/115 A23L 33/125 A23L 33/175</p>
--	---	--

(11) EP2909802	(54) A STERILIZING APPARATUS, IN PARTICULAR FOR STERILIZING POST-CONSUMER ABSORBENT SANITARY PRODUCTS	(73) S.C. Johnson & Son, Inc.
(21) EP13849624.5	(73) Fater S.p.A.	(72) LUC, Tai, P.
(47) 12.08.2020	(72) SOMMA, Marcello	GAMBOA, Claudia, V.
(87) US2013066236	VACCARO, Giorgio	JOHNSON, Mark, E.
01.05.2014	PAGOTTO, Amedeo	HANAK, Daniel J.
(22) 22.10.2013	(31) 201700099949	(31) 201213652388
(54) DIET FORMULATIONS PROMOTING TISSUE/ORGAN REGENERATION	(32) 06.09.2017	(32) 15.10.2012
(73) University of Southern California	(33) Italy	(33) United States of America
(72) LONGO, Valter D.	(51) A61L 2/18	(51) A61L 9/12
CHENG, Chia-Wei	A61L 11/00	B60H 3/00
BRANDHORST, Sebastian	A61L 101/06	(11) EP2777718
WEI, Min	A61L 101/10	(21) EP13159273.5
(31) 201261716676 P	B09B 3/00	(47) 12.08.2020
201261736308 P	B09B 5/00	(22) 14.03.2013
201261746787 P	B29B 17/00	(54) Fragrance diffuser with cartridge
(32) 22.10.2012	C08J 11/26	(73) Valeo Klimasysteme GmbH
12.12.2012	D21C 5/02	(72) Feuillard, Vincent
28.12.2012	(11) EP3495551	Lauer, Oliver
(33) United States of America	(21) EP17836606.8	Albrecht, Sebastian
United States of America	(47) 12.08.2020	(51) A61L 15/28
United States of America	(87) JP2017021539	A61L 15/46
(51) A61K 51/04	08.02.2018	(11) EP3474907
A61K 101/02	(22) 09.06.2017	(21) EP17735338.0
C07B 59/00	(54) METHOD FOR RECOVERING PULP FIBERS FROM USED ABSORBENT ARTICLES	(47) 12.08.2020
C07D 487/04	(73) Unicharm Corporation	(87) US2017038988
(11) EP3389727	(72) KONISHI, Takayoshi	28.12.2017
(21) EP16812961.7	HIRAOKA, Toshio	(22) 23.06.2017
(47) 12.08.2020	YAMAKI, Koichi	(54) ABSORBENT ARTICLE COMPRISING CYCLODEXTRIN COMPLEXES
(87) EP2016081542	KAMEDA, Noritomo	(73) The Procter & Gamble Company
22.06.2017	(31) 2016154964	(72) SCAVONE, Timothy, Alan
(22) 16.12.2016	(32) 05.08.2016	RIEDEMANN, James, Steven
(54) RADIOLABELLED MGLUR2/3 PET LIGANDS	(33) Japan	VEGA, Victor, Nicholas
(73) Janssen Pharmaceutica NV	(51) A61L 9/01	DUVAL, Dean, Larry
(72) ANDRÉS-GIL, José Ignacio	A61Q 15/00	PURDON, Michael, P.
VAN GOOL, Michiel Luc Maria	C11D 3/50	ELLINGSON, Peter, Christopher
BORMANS, Guy Maurits R.	(11) EP2668255	REZAI, Ebrahim
VERBEEK, Joost	(21) EP12702928.8	STAPP, Vincent, Scott
(31) 15201240	(47) 12.08.2020	(31) 201662354306 P
(32) 18.12.2015	(87) US2012022209	(32) 24.06.2016
(33) European Patent Office (EPO)	02.08.2012	(33) United States of America
(51) A61L 2/00	(22) 23.01.2012	(51) A61L 15/42
A61L 9/00	(54) MALODOR NEUTRALIZING COMPOSITIONS COMPRISING BORNYL ACETATE OR ISOBORNYL ACETATE	A61L 15/44
A61M 5/28	(73) Robertet, Inc.	A61L 15/58
A61M 5/32	(72) DENTE, Stephen V.	A61L 26/00
A61M 5/34	BASILE, Ketrin Leka	(11) EP3119360
(11) EP2979717	FIELDER, Brian	(21) EP15764414.7
(21) EP13879674.3	JOHNSON, Garry	(47) 12.08.2020
(47) 12.08.2020	(31) 201161436787 P	(87) US2015021782
(87) JP2013058542	(32) 27.01.2011	24.09.2015
02.10.2014	(33) United States of America	(22) 20.03.2015
(22) 25.03.2013	(51) A61L 9/12	(54) WOUND MANAGEMENT SYSTEM AND METHODS OF USING
(54) SYRINGE WITH INJECTION NEEDLE, AND MANUFACTURING METHOD OF SYRINGE WITH INJECTION NEEDLE	A61L 9/14	(73) Medline Industries, Inc.
(73) Terumo Kabushiki Kaisha	(11) EP2906263	(72) DUNCAN, Angie
(72) TAKEMOTO, Masafumi	(21) EP13780259.1	DONOVAN, Bridget
(51) A61L 2/07	(47) 12.08.2020	CHAKRAVARTHY, Debashish
A61L 11/00	(87) US2013063005	MILLER, Maria
B01J 3/04	24.04.2014	(31) 201461968796 P
B01J 19/28	(22) 02.10.2013	(32) 21.03.2014
B09B 3/00	(54) DISPENSING SYSTEMS WITH SENSOR	(33) United States of America
(11) EP3453407		(51) A61L 15/56
(21) EP18183876.4		A61L 15/60
(47) 12.08.2020		B01J 20/26
(22) 17.07.2018		C08F 6/00
		C08J 3/075
		C08J 3/12
		(11) EP2527390

- (21) EP11734735.1  
(47) 12.08.2020  
(87) JP2011051003  
28.07.2011  
(22) 20.01.2011  
(54) METHOD FOR PRODUCING WATER  
ABSORBENT RESIN  
(73) Nippon Shokubai Co., Ltd.  
(72) TAKAAI, Toshihiro  
FUJINO, Shinichi  
WADA, Hidenori  
(31) 2010084024  
2010055236  
2010009812  
(32) 31.03.2010  
12.03.2010  
20.01.2010  
(33) Japan  
Japan  
Japan
- 
- (51) A61L 27/22  
A61L 27/24  
A61L 27/26  
A61L 27/34  
A61L 27/48  
A61L 27/52  
C08F 283/06  
C08J 3/24  
(11) EP3043835  
(21) EP14761379.8  
(47) 12.08.2020  
(87) EP2014069205  
12.03.2015  
(22) 09.09.2014  
(54) TRANSPARENT HYDROGEL AND  
METHOD OF MAKING THE SAME  
FROM FUNCTIONALIZED NATURAL  
POLYMERS  
(73) UAB Ferentis  
(72) PHOPASE, Jaywant  
(31) 1351039  
(32) 09.09.2013  
(33) Sweden
- 
- (51) A61M 1/00  
(11) EP3515518  
(21) EP17768457.8  
(47) 12.08.2020  
(87) EP2017073464  
29.03.2018  
(22) 18.09.2017  
(54) EXTRACTION AND SUPPLY DEVICE  
WITH DRIVE UNIT AND CONNECTION  
PIECE  
(73) Medela Holding AG  
(72) EHLERT, Hilmar  
BANNWART, Lukas  
(31) 16189674  
(32) 20.09.2016  
(33) European Patent Office (EPO)
- 
- (51) A61M 1/06  
F16K 15/03  
F16K 37/00  
(11) EP2981306  
(21) EP14715825.7  
(47) 12.08.2020  
(87) CH2014000041  
09.10.2014  
(22) 27.03.2014
- (54) DEVICE HAVING A FLOW CHANNEL  
(73) Medela Holding AG  
(72) FELBER, Armin  
(31) 698132013  
(32) 02.04.2013  
(33) Switzerland
- 
- (51) A61M 1/10  
F04D 7/04  
F04D 13/02  
F04D 29/046  
F04D 29/42  
(11) EP3196470  
(21) EP15842515.7  
(47) 12.08.2020  
(87) JP2015073549  
24.03.2016  
(22) 21.08.2015  
(54) CENTRIFUGAL PUMP  
(73) Terumo Kabushiki Kaisha  
(72) ITAMOCHI, Yosuke  
(31) 2014191807  
(32) 19.09.2014  
(33) Japan
- 
- (51) A61M 1/14  
A61M 1/16  
B01D 15/20  
(11) EP3160533  
(21) EP15812715.9  
(47) 12.08.2020  
(87) US2015018587  
30.12.2015  
(22) 04.03.2015  
(54) SORBENT POUCH  
(73) Medtronic Inc.  
(72) GERBER, Martin, T.  
HOBOT, Christopher, M.  
(31) 201462016613 P  
(32) 24.06.2014  
(33) United States of America
- 
- (51) A61M 1/16  
A61M 1/28  
A61M 1/34  
A61M 1/36  
B01D 15/20  
B01D 15/36  
B01J 20/06  
B01J 20/20  
B01J 20/22  
B01J 20/28  
B01J 39/12  
B01J 41/10  
(11) EP2303354  
(21) EP09770498.5  
(47) 12.08.2020  
(87) SG2009000229  
30.12.2009  
(22) 22.06.2009  
(54) A SORBENT FOR A DIALYSIS DEVICE  
(73) Temasek Polytechnic  
(72) BLUCHEL, Christian Gert  
WANG, Yanmei  
TAN, Kim Cheng  
(31) 74997 P  
(32) 23.06.2008  
(33) United States of America
- 
- (51) A61M 1/16  
A61M 1/34  
(11) EP3478335
- (21) EP17733837.3  
(47) 12.08.2020  
(87) EP2017066039  
04.01.2018  
(22) 28.06.2017  
(54) BLOOD TREATMENT DEVICE FOR  
BLOOD DETECTION IN A DIALYSIS  
FLUID DISCHARGE LINE  
(73) Fresenius Medical Care Deutschland  
GmbH  
(72) GAGEL, Alfred  
(31) 102016007828  
(32) 29.06.2016  
(33) Germany
- 
- (51) A61M 1/36  
B01D 15/20  
B01J 20/26  
B01J 20/28  
B01J 20/30  
D01F 6/00  
(11) EP3214210  
(21) EP15856041.7  
(47) 12.08.2020  
(87) JP2015079542  
06.05.2016  
(22) 20.10.2015  
(54) POROUS POLYMER FIBERS FOR  
ADSORBENT MATERIAL  
(73) Toray Industries, Inc.  
(72) FUJIEDA, Hiroaki  
UENO, Yoshiyuki  
TANAKA, Kazumi  
(31) 2014219036  
(32) 28.10.2014  
(33) Japan
- 
- (51) A61M 5/00  
A61M 5/145  
A61M 5/20  
A61M 5/315  
(11) EP3111975  
(21) EP15754443.8  
(47) 12.08.2020  
(87) JP2015000822  
03.09.2015  
(22) 20.02.2015  
(54) INJECTION DEVICE AND REAR END  
DETECTION DEVICE  
(73) Nemoto Kyorindo Co., Ltd.  
(72) NEMOTO, Shigeru  
NAKAGAWA, Kousuke  
UCHIZONO, Hirofumi  
(31) 2014038269  
(32) 28.02.2014  
(33) Japan
- 
- (51) A61M 5/00  
A61M 5/158  
A61M 25/00  
(11) EP3381486  
(21) EP18171203.5  
(47) 12.08.2020  
(22) 12.03.2014  
(54) PACKAGE FOR MEDICAL PRODUCT  
(73) Becton, Dickinson and Company  
(72) MORRISON, Matthew  
HORVATH, Joshua David  
SULLIVAN, James  
RICHARDS, Stephen  
POLITIS, Victor Isaac

(31) 201313830009	(51) A61M 5/145	(47) 12.08.2020
(32) 14.03.2013	(11) EP3284493	(87) EP2012058182
(33) United States of America	(21) EP17186376.4	15.11.2012
(51) A61M 5/00	(47) 12.08.2020	(22) 04.05.2012
A61M 5/28	(22) 10.04.2013	(54) DRUG DELIVERY DEVICE AND
A61M 5/32	(54) MICROINFUSER WITH AUTOMATIC	CARTRIDGE HOLDER FOR A DRUG
(11) EP2974761	NEEDLE RETRACTION	DELIVERY DEVICE
(21) EP13877661.2	(73) Becton, Dickinson and Company	(73) Sanofi-Aventis Deutschland GmbH
(47) 12.08.2020	(72) CRONENBERG, Richard	(72) SCHNEIDER, Christiane
(87) JP2013057420	(31) 201261624026 P	STEVER, Tobias
18.09.2014	(32) 13.04.2012	HARMS, Michael
(22) 15.03.2013	(33) United States of America	JAKOBI, Ulrik
(54) SYRINGE ASSEMBLY, SYRINGE	(51) A61M 5/158	(31) 11165047
ASSEMBLY PACKAGING, SEAL CAP	A61M 25/00	(32) 06.05.2011
FOR OUTER CYLINDER, AND PRE-	(11) EP2107917	(33) European Patent Office (EPO)
FILLED SYRINGE	(21) EP08708107.1	(51) A61M 5/31
(73) Terumo Kabushiki Kaisha	(47) 12.08.2020	A61M 5/315
(72) TAKEMOTO Masafumi	(87) EP2008050742	G01D 5/241
YOSHIMOTO Tsuyoshi	07.08.2008	G01D 5/25
(51) A61M 5/142	(22) 23.01.2008	(11) EP3397326
(11) EP1796759	(54) INJECTION SITE FOR INJECTING	(21) EP16822175.2
(21) EP05794224.5	MEDICATION	(47) 12.08.2020
(47) 12.08.2020	(73) Unomedical A/S	(87) EP2016082513
(87) US2005031658	(72) MATHIASSEN, Orla	06.07.2017
23.03.2006	THEANDER, Julie Grundtvig	(22) 23.12.2016
(22) 07.09.2005	(31) 200700179	(54) ROTARY SENSOR ASSEMBLY WITH
(54) RECONSTITUTING INFUSION DEVICE	899143 P	LOW-POWER FEATURE
(73) Becton, Dickinson and Company	200700185	(73) Novo Nordisk A/S
(72) SULLIVAN, Vincent, J.	899075 P	(72) GRUBBE, Mikkel Schouenborg
JIANG, Ge	200700191	(31) 15202797
FERRITER, Matthew, S.	899062 P	(32) 28.12.2015
POWELL, Kenneth, G.	(32) 02.02.2007	(33) European Patent Office (EPO)
KINSEY, Spencer, P.	02.02.2007	(51) A61M 5/31
SAHI, Carl, R.	02.02.2007	A61M 5/32
POLIDORO, John, M.	02.02.2007	(11) EP3522955
(31) 609081 P	02.02.2007	(21) EP17793988.1
(32) 10.09.2004	02.02.2007	(47) 12.08.2020
(33) United States of America	(33) Denmark	(87) FR2017052698
(51) A61M 5/142	United States of America	12.04.2018
A61M 5/168	Denmark	(22) 02.10.2017
(11) EP2332598	United States of America	(54) MANUAL INJECTION DEVICE
(21) EP10193314.1	Denmark	(73) Aptar France SAS
(47) 12.08.2020	United States of America	(72) JAOUEN, Quentin
(22) 01.12.2010	(51) A61M 5/20	SAUSSAYE, Anthony
(54) Holographic occlusion detection system	A61M 5/24	(31) 1659549
for infusion pumps	A61M 5/31	(32) 04.10.2016
(73) F. Hoffmann-La Roche AG	A61M 5/315	(33) France
(72) Wiegel, Christopher	(11) EP3509665	(51) A61M 5/32
(31) 633283	(21) EP17764600.7	(11) EP3222313
(32) 08.12.2009	(47) 12.08.2020	(21) EP17162478.6
(33) United States of America	(87) EP2017072724	(47) 12.08.2020
(51) A61M 5/142	15.03.2018	(22) 23.03.2017
A61M 5/20	(22) 11.09.2017	(54) TWO PIECE NEEDLE SHIELD PULLER
(11) EP3541454	(54) INJECTION DEVICE WITH DOSE	(73) West Pharmaceutical Services, Inc.
(21) EP17801249.8	INDICATOR MECHANISM	(72) Allen, Timothy
(47) 12.08.2020	(73) Norton Healthcare Limited	(31) 201615078379
(87) US2017060509	(72) HEWSON, Karl, James	(32) 23.03.2016
24.05.2018	BOSTOCK, George	(33) United States of America
(22) 08.11.2017	SAVELL, George, Robert, Michael	(51) A61M 15/00
(54) MEDICATION DELIVERY DEVICE WITH	(31) 201615450	(11) EP2747814
MECHANICAL LOCKING SYSTEM	(32) 12.09.2016	(21) EP12808478.7
(73) Eli Lilly and Company	(33) United Kingdom	(47) 12.08.2020
(72) BYERLY, Roy Howard	(51) A61M 5/24	(87) IB2012055800
RINGENBERGER, Kimberly Ann	A61M 5/31	02.05.2013
(31) 201662422160 P	A61M 5/315	(22) 22.10.2012
(32) 15.11.2016	A61M 5/34	(54) SYSTEMS AND METHODS FOR
(33) United States of America	(11) EP2704777	COMBINED RESPIRATORY THERAPY
	(21) EP12718670.8	AND RESPIRATORY MONITORING

(73) Koninklijke Philips N.V.	16.02.2017	(73) Becton Dickinson and Company
(72) VINK, Teunis Johannes	(22) 13.08.2015	(72) Brimhall, Greg L.
DERKX, Rene Martinus Marina	(54) COAXIAL AND DOUBLE LUMEN	(31) 274230
FAZZI, Alberto	BREATHING CIRCUIT SYSTEMS	(32) 15.11.2005
GEERLINGS, Alexander Cornelis	HAVING A LUNG PRESSURE	(33) United States of America
JANSE, Cornelis Pieter	MEASUREMENT PORT AND CLOSED	(51) A61N 1/04
VAN DE LAAR, Jakob	SYSTEM WATER TRAP WHICH CAN	A61N 1/22
WALKER, David Paul	BE DRAINED WITH AN INJECTOR	A61N 1/32
(31) 201161552096 P	(73) MEDITERA TIBBI MALZEME SANAYI	A61N 1/36
(32) 27.10.2011	VE TICARET ANONIM SIRKETI	(11) EP3493874
(33) United States of America	Sevincli, Atilla	(21) EP18786299.0
(51) A61M 15/00	(72) SEVINCLI, Atilla	(47) 12.08.2020
A61M 16/00	(51) A61M 25/00	(87) EP2018077798
A61M 16/10	A61M 25/06	18.04.2019
A61M 16/12	(11) EP3357532	(22) 11.10.2018
(11) EP2931340	(21) EP16851560.9	(54) NEUROMODULATION ELECTRODE
(21) EP13814633.7	(47) 12.08.2020	ASSEMBLY
(47) 12.08.2020	(87) JP2016078508	(73) Tesla Medical s.r.o.
(87) IB2013060629	06.04.2017	(72) DOSKOCIL, Lukas
19.06.2014	(22) 27.09.2016	(31) 20170647
(22) 04.12.2013	(54) MEDICAL ELONGATE MEMBER	(32) 11.10.2017
(54) HANDHELD PRESSURE SUPPORT	(73) Terumo Kabushiki Kaisha	(33) Czech Republic
SYSTEM FOR TREATING	(72) OKAMURA, Ryo	(51) A61N 1/04
HYPERINFLATION	OMATA, Kazuya	A61N 1/32
(73) Koninklijke Philips N.V.	(31) 2015191138	(11) EP3519035
(72) MAHADEVAN, Anandi	(32) 29.09.2015	(21) EP17817073.4
MURDOCH, Robert William	(33) Japan	(47) 12.08.2020
(31) 201261736713 P	(51) A61M 25/00	(87) IB2017001368
(32) 13.12.2012	A61M 25/10	05.04.2018
(33) United States of America	(11) EP2954923	(22) 27.09.2017
(51) A61M 15/00	(21) EP13874342.2	(54) SKIN TREATMENT DEVICE
B65D 83/06	(47) 12.08.2020	FOR DELIVERY OF AN ACTIVE
(11) EP3160557	(87) JP2013052925	INGREDIENT INTO THE HUMAN SKIN
(21) EP15733892.2	14.08.2014	BY MEANS OF IONTOPHORESIS,
(47) 12.08.2020	(22) 07.02.2013	USING AN ARRAY OF ELECTRODES
(87) IB2015001016	(54) BALLOON CATHETER	(73) Feeligreen SA
30.12.2015	(73) Terumo Clinical Supply Co., Ltd.	(72) YAKOUB, Abdelwahhab
(22) 19.06.2015	(72) KAWASE, Tatsuya	BIANCHI, Christophe
(54) A POWDER INHALER DEVICE	(51) A61M 25/01	(31) 201616547
(73) Belforti, Sergio	F03G 7/00	(32) 29.09.2016
(72) Belforti, Sergio	H01L 41/04	(33) United Kingdom
(31) RE20140057	H01L 41/09	(51) A61N 1/04
(32) 27.06.2014	H01L 41/18	A61N 1/36
(33) Italy	(11) EP3539164	(11) EP3519038
(51) A61M 15/08	(21) EP17801031.0	(21) EP17780531.4
A61M 16/08	(47) 12.08.2020	(47) 12.08.2020
A61M 16/10	(87) EP2017078968	(87) IL2017051087
(11) EP3277355	17.05.2018	05.04.2018
(21) EP16773539.8	(22) 10.11.2017	(22) 27.09.2017
(47) 12.08.2020	(54) STIFFNESS CONTROL FOR	(54) APPARATUS FOR APPLYING AN
(87) NZ2016050051	ELECTROACTIVE ACTUATORS	ELECTRICAL SIGNAL TO A SUBJECT
06.10.2016	(73) Koninklijke Philips N.V.	(73) Theranica Bio-Electronics Ltd.
(22) 30.03.2016	(72) PELSSERS, Eduard, Gerard, Marie	(72) IRONI, Alon
(54) ADAPTOR FOR RESPIRATORY	HENDRIKS, Cornelis, Petrus	JASHEK, Ronen
ASSISTANCE SYSTEMS	HAKKENS, Franciscus, Johannes,	(31) 201662401380 P
(73) Fisher & Paykel Healthcare Limited	Gerardus	201662401392 P
(72) KEMPS, David Robert	HILGERS, Achim	201662412981 P
(31) 201562140006 P	VAN DEN ENDE, Daan, Anton	(32) 29.09.2016
201662291422 P	JOHNSON, Mark, Thomas	29.09.2016
(32) 30.03.2015	(31) 16198639	26.10.2016
04.02.2016	(32) 14.11.2016	(33) United States of America
(33) United States of America	(33) European Patent Office (EPO)	United States of America
United States of America	(51) A61M 25/06	United States of America
(51) A61M 16/08	(11) EP2228093	(51) A61N 1/04
(11) EP3334486	(21) EP10006350.2	A61N 1/39
(21) EP15775011.8	(47) 12.08.2020	A41D 31/12
(47) 12.08.2020	(22) 09.11.2006	A41D 31/14
(87) TR2015050066	(54) Needle shield interconnected to septum	(11) EP3380189

(21) EP16810171.5	A61N 1/372	(54) APPARATUS FOR DISCRIMINATING TACHYCARDIA EVENTS IN A MEDICAL DEVICE
(47) 12.08.2020	(11) EP3519043	(73) Medtronic Inc.
(87) US2016063078	(21) EP18701873.4	(72) ZHANG, Xusheng
01.06.2017	(47) 12.08.2020	STADLER, Robert W.
(22) 21.11.2016	(87) US2018012807	(31) 201414242391
(54) GARMENTS FOR WEARABLE MEDICAL DEVICES	19.07.2018	201414242536
(73) Zoll Medical Corporation	(22) 08.01.2018	201414242437
(72) KAIB, Thomas, E.	(54) SYSTEMS AND METHODS FOR CREATING STIMULATION PROGRAMS BASED ON USER-DEFINED AREAS OR VOLUMES	(32) 01.04.2014
VOLPE, Shane, S.	(73) Boston Scientific Neuromodulation Corporation	01.04.2014
FRANK, Gregory, R.	(72) ZHANG, Tianhe	(33) United States of America
FREEMAN, Gary, A.	STEINKE, G. Karl	United States of America
OWENS, Mark, Jerome	CARCIERI, Stephen	United States of America
(31) 201562258666 P	(31) 201762444724 P	(51) A61N 1/39
(32) 23.11.2015	(32) 10.01.2017	H03K 17/567
(33) United States of America	(33) United States of America	H03K 17/687
(51) A61N 1/08	(51) A61N 1/36	H03K 17/73
A61N 1/365	A61N 1/378	(11) EP3342454
A61N 1/37	H02J 7/00	(21) EP16839507.7
A61N 1/375	H02M 7/08	(47) 12.08.2020
(11) EP3362142	H04B 5/00	(87) KR2016009103
(21) EP16784748.2	H04R 25/00	02.03.2017
(47) 12.08.2020	H02J 7/02	(22) 18.08.2016
(87) US2016056893	H02J 50/12	(54) DEFIBRILLATOR COMPRISING LADDER BRIDGE CIRCUIT
20.04.2017	(11) EP3391508	(73) Radian Corporation
(22) 13.10.2016	(21) EP16875040.4	(72) KIM, Beom Ki
(54) MRI-SAFE IMPLANTABLE MEDICAL DEVICE	(47) 12.08.2020	(31) 20150120696
(73) Cyberonics, Inc.	(87) IB2016057747	(32) 27.08.2015
(72) THOMPSON, David L.	22.06.2017	(33) Korea (Republic)
LINDH, Jason F.	(22) 16.12.2016	(51) A61N 1/40
(31) 201514885794	(54) DUAL POWER SUPPLY	(11) EP1545704
(32) 16.10.2015	(73) Cochlear Limited	(21) EP03799042.1
(33) United States of America	(72) MESKENS, Werner	(47) 12.08.2020
(51) A61N 1/36	NYGARD, Tony	(87) IB2003004321
(11) EP3079760	VAN DEN HEUVEL, Koen	15.04.2004
(21) EP14869332.8	(31) 201562269507 P	(22) 01.10.2003
(47) 12.08.2020	201615165443	(54) APPARATUS FOR TREATING A TUMOR BY AN ELECTRIC FIELD
(87) US2014069323	(32) 18.12.2015	(73) Novocure GmbH
18.06.2015	26.05.2016	(72) PALT, Yoram
(22) 09.12.2014	(33) United States of America	(31) 263329
(54) AUTOMATIC SELECTION OF REDUCTION OR ENHANCEMENT OF TRANSIENT SOUNDS	United States of America	285313
(73) MED-EL Elektromedizinische Geräte GmbH	(51) A61N 1/372	315576
(72) FRÜHAUF, Florian	A61N 1/39	(32) 02.10.2002
ASCHBACHER, Ernst	G16H 40/40	31.10.2002
(31) 201361914653 P	(11) EP2938398	10.12.2002
(32) 11.12.2013	(21) EP13824524.6	(33) United States of America
(33) United States of America	(47) 12.08.2020	United States of America
(51) A61N 1/36	(87) IB2013061010	United States of America
(11) EP3570935	03.07.2014	(51) A61N 1/40
(21) EP18703404.6	(22) 17.12.2013	C09K 5/14
(47) 12.08.2020	(54) INTUITIVE OVERLAID READINESS INDICATOR FOR DEFIBRILLATORS	(11) EP2294157
(87) US2018013700	(73) Koninklijke Philips N.V.	(21) EP09750760.2
26.07.2018	(72) DELISLE, Norman Maurice	(47) 12.08.2020
(22) 15.01.2018	(31) 201261745830 P	(87) KR2009002661
(54) SYSTEM FOR PROVIDING THERAPY TO A PATIENT VIA APPLICATION OF A BROAD SPECTRUM OF TUNABLE ELECTRICAL NOISE SIGNALS	(32) 26.12.2012	26.11.2009
(73) Soin Neuroscience, LLC	(33) United States of America	(22) 20.05.2009
(72) SCHEPIS, Eric A.	(51) A61N 1/39	(54) HEAT GENERATING NANOMATERIALS
(31) 201762447504 P	(11) EP3125997	(73) Industry-Academic Cooperation Foundation, Yonsei University
(32) 18.01.2017	(21) EP15715121.8	(72) CHEON, Jin Woo
(33) United States of America	(47) 12.08.2020	JANG, Jung Tak
(51) A61N 1/36	(87) US2015023351	(31) 20080046589
	08.10.2015	(32) 20.05.2008
	(22) 30.03.2015	(33) Korea (Republic)

(51) A61N 2/00	(54) BRACHYTHERAPY DEVICES AND RELATED METHODS	Japan
(11) EP3479872	(73) Civatech Oncology	(51) A61P 17/02
(21) EP18203733.3	(72) BLACK, Robert	A61P 19/02
(47) 12.08.2020	WAGNER, David	A61P 37/00
(22) 31.10.2018	BLACK, Claudia	C07D 237/28
(54) DEVICE FOR MAGNETIC FIELD TREATMENT OF PEOPLE IN A TREATMENT BED AND/OR TREATMENT CHAIR	(31) 49843 P	C07D 401/12
(73) Prof. Dr. Fischer AG	96459 P	C07D 401/14
(72) FISCHER, Gerhard	150081 P	C07D 403/12
(31) 102017125678	166369 P	C07D 405/12
(32) 03.11.2017	(32) 02.05.2008	C07D 413/04
(33) Germany	12.09.2008	C07D 413/12
(51) A61N 5/06	05.02.2009	C07D 413/14
(11) EP3159041	03.04.2009	C07D 471/04
(21) EP16194870.8	(33) United States of America	C07D 487/04
(47) 12.08.2020	United States of America	(11) EP3292117
(22) 20.10.2016	United States of America	(21) EP16720118.5
(54) SYSTEM, METHOD, AND COMPUTER PROGRAM FOR STIMULATION OF NEURAL STRUCTURES	United States of America	(47) 12.08.2020
(73) Baumann, Gottfried Bruno	(51) A61N 5/10	(87) EP2016059859
(72) Baumann, Gottfried Bruno	H05H 7/04	10.11.2016
(31) 102015117830	H05H 7/10	(22) 03.05.2016
(32) 20.10.2015	(11) EP2750484	(54) PYRIDAZINE DERIVATIVES AS RORC MODULATORS
(33) Germany	(21) EP13198875.0	(73) F. Hoffmann-La Roche AG
(51) A61N 5/10	(47) 12.08.2020	(72) FAUBER, Benjamin
(11) EP3554633	(22) 20.12.2013	BODIL VAN NIEL, Monique
(21) EP17818098.0	(54) Particle beam therapy system	CRIDLAND, Andrew
(47) 12.08.2020	(73) Hitachi, Ltd.	HURLEY, Christopher
(87) EP2017082491	(72) Saito, Kazuyoshi	KILLEN, Jonathan
21.06.2018	Nomura, Takuya	WARD, Stuart
(22) 12.12.2017	Nishiuchi, Hideaki	WINSHIP, Paul
(54) POSITIONING ASSISTANCE DEVICE FOR FOCAL RADIATION THERAPY	(31) 2012283858	(31) 201562156573 P
(73) Koninklijke Philips N.V.	(32) 27.12.2012	201662321870 P
(72) ISOLA, Alfonso, Agatino	(33) Japan	(32) 04.05.2015
HAUTVAST, Guillaume, Leopold, Theodorus, Frederik	(51) A61P 1/00	13.04.2016
(31) 16204563	A61P 1/16	(33) United States of America
(32) 16.12.2016	A61P 37/06	United States of America
(33) European Patent Office (EPO)	C12N 1/04	(51) A61P 35/00
(51) A61N 5/10	C12N 5/077	A61K 47/50
(11) EP3257553	A61K 35/50	(11) EP3129066
(21) EP17178521.5	(11) EP3037523	(21) EP15773654.7
(47) 12.08.2020	(21) EP14837352.5	(47) 12.08.2020
(22) 28.06.2017	(47) 12.08.2020	(87) US2015024400
(54) UNIFIED TRAJECTORY GENERATION PROCESS AND SYSTEM	(87) JP2014071546	08.10.2015
(73) Shanghai United Imaging Healthcare Co., Ltd.	26.02.2015	(22) 04.04.2015
(72) Bose, Supratik	(22) 18.08.2014	(54) TARGETING TRASTUZUMAB-RESISTANT HER2+BREAST CANCER WITH A HER3-TARGETING NANOPARTICLE
Stahl, Johannes N.	(54) PRODUCTION METHOD AND CRYOPRESERVATION METHOD FOR AMNIOTIC MESENCHYMAL CELL COMPOSITION, AND THERAPEUTIC AGENT	(73) Cedars-Sinai Medical Center
Maltz, Jonathan S.	(73) National Cerebral and Cardiovascular Center	(72) MEDINA-KAUWE, Lali K.
(31) 201615182080	Foundation for Biomedical Research and Innovation at Kobe	SIMS, Jessica
(32) 14.06.2016	Hyogo College Of Medicine	TAGUAIM, Michael
(33) United States of America	National University Corporation Hokkaido University	HANSON, Chris
(51) A61N 5/10	Kaneka Corporation	CUI, Xiaojiang
G21G 4/08	(72) YAMAHARA Kenichi	(31) 201461975687 P
(11) EP2293842	TAGUCHI Akihiko	(32) 04.04.2014
(21) EP09739234.4	SOMA Toshihiro	(33) United States of America
(47) 12.08.2020	OHNISHI Shunsuke	(51) A61P 37/08
(87) US2009002702	KOBAYASHI Akira	C12N 5/0775
05.11.2009	(31) 2013170008	C12N 5/0783
(22) 01.05.2009	2014130142	A61K 35/12
	(32) 19.08.2013	(11) EP3184631
	25.06.2014	(21) EP17154940.5
	(33) Japan	(47) 12.08.2020
		(22) 22.09.2006
		(54) CELL POPULATIONS HAVING IMMUNOREGULATORY ACTIVITY, METHOD FOR ISOLATION AND USES

(73) TiGenix, S.A.U. Consejo Superior De Investigaciones Cientificas	F16F 7/12 (11) EP2470733 (21) EP10755264.8	(22) 02.02.2017 (54) GOLF TEE (73) Ogando, Jose Angel Fernandez (72) Ogando, Jose Angel Fernandez
(72) BÜSCHER, Dirk GONZÁLEZ DE LA PEÑA, Manuel Ángel DELGADO MORA, Mario	(47) 12.08.2020 (87) US2010047097 28.04.2011	(51) A63B 69/00 (11) EP3362158 (21) EP16867840.7 (47) 12.08.2020 (87) CN2016102695 01.06.2017
(31) 05077186 (32) 23.09.2005 (33) European Patent Office (EPO)	(22) 30.08.2010 (54) ENERGY ABSORBER (73) D B Industries, LLC	(22) 20.10.2016 (54) BASKETBALL SHOOTING TRAINING DEVICE (73) Liao, Chien-Yi (72) Liao, Chien-Yi (31) 201514949852 (32) 23.11.2015 (33) United States of America
(51) A61Q 19/08 A61K 8/9789 (11) EP3509707 (21) EP17768586.4 (47) 12.08.2020 (87) US2017050223 15.03.2018 (22) 06.09.2017	(72) BLOMBERG, John, P. CASEBOLT, Scott, C. (31) 254541 P 286126 P (32) 23.10.2009 14.12.2009 (33) United States of America United States of America	(33) United States of America
(54) AQUEOUS EXTRACT OF PRUNUS PERSICA AND PROCESS FOR PREPARING THE SAME (73) ISP Investments LLC ELC Management LLC	(51) A62C 2/06 B32B 1/08 B32B 17/10 B32B 27/42 F16L 5/04	(51) A63B 69/00 A63B 69/12 A63B 69/18 A63C 19/00 E04H 4/00 (11) EP3415204 (21) EP18177391.2 (47) 12.08.2020 (22) 12.06.2018 (54) WATER SKIING DEVICE WITH SLOPE CURVATURE (73) Madea Concept (72) ARGOUD, Jean-Guillaume ESTEVE, Jean-Gabriel (31) 1755264 (32) 13.06.2017 (33) France
(72) PERNODET, Nadine LAYMAN, Dawn BOTTO, Jean-Marie OGER, Elodie LE MESTR, Audrey IMBERT, Isabelle DOMLOGE, Nouha	(11) EP2639058 (21) EP13001279.2 (47) 12.08.2020 (22) 13.03.2013 (54) Fire protection tube cuff (73) Etex Building Performance GmbH (72) Gauch, Edwin (31) 202012002553 U (32) 14.03.2012 (33) Germany	(51) A62B 9/00 (11) EP3461536 (21) EP18206892.4 (47) 12.08.2020 (22) 19.06.2008
(31) 201662384436 P (32) 07.09.2016 (33) United States of America	(51) A63B 24/00 (11) EP2405977 (21) EP10751548.8 (47) 12.08.2020 (87) US2010027349 16.09.2010 (22) 15.03.2010 (54) SYSTEM AND METHODS FOR PROVIDING PERFORMANCE FEEDBACK (73) Isolynx, LLC (72) DEANGELIS, Douglas, J. EVANSEN, Edward, G. (31) 160141 P (32) 13.03.2009 (33) United States of America	(51) A63C 5/056 (11) EP3481517 (21) EP17700711.9 (47) 12.08.2020 (87) EP2017051239 09.11.2017 (22) 20.01.2017 (54) SNOW GLIDING DEVICE (73) Serneke Hybrid SKI AB (72) VIEBKE, Gert SERNEKE, Ola (31) 16178188 (32) 06.07.2016 (33) European Patent Office (EPO)
(51) A62B 35/00 F16G 11/10 F16G 11/12 (11) EP3500773 (21) EP17768197.0 (47) 12.08.2020 (87) GB2017052412 22.02.2018 (22) 16.08.2017 (54) TENSIONING DEVICE (73) Checkmate Lifting & Safety Ltd (72) NEWING, William STOCKBRIDGE, Chris AUSTON, Oliver	(51) A63B 53/04 A63B 60/00 A63B 60/02 A63B 60/54 (11) EP3524327 (21) EP19154090.5 (47) 12.08.2020 (22) 29.01.2019 (54) GOLF CLUB HEAD AND GOLF CLUB AND METHOD FOR PRODUCING A GOLF CLUB HEAD (73) Ebner, Josef (72) Ebner, Josef (31) 501312018 (32) 13.02.2018 (33) Austria	(51) A63F 13/537 A63F 13/822 A63F 13/833 (11) EP3003518 (21) EP14802699.0 (47) 12.08.2020 (87) FI2014050737 16.04.2015 (22) 29.09.2014 (54) ELECTRONIC DEVICE FOR FACILITATING USER INTERACTIONS WITH GRAPHICAL USER INTERFACE (73) Supercell Oy (72) FRANZAS, Jon HAUSSILA, Timur TAHKOKALLIO, Touko (31) 201314052076 (32) 11.10.2013
(31) 99974607 P (32) 31.08.2007 (33) United States of America	(51) A62B 35/04 F16G 11/10 F16G 11/12 (11) EP3500773 (21) EP17768197.0 (47) 12.08.2020 (87) GB2017052412 22.02.2018 (22) 16.08.2017 (54) TENSIONING DEVICE (73) Checkmate Lifting & Safety Ltd (72) NEWING, William STOCKBRIDGE, Chris AUSTON, Oliver	(51) A62B 35/00 E04G 21/32



(33) United States of America	(54) SOURCE REAGENT-BASED DELIVERY OF FLUID WITH HIGH MATERIAL FLUX FOR BATCH DEPOSITION	(47) 12.08.2020
(51) A63G 31/00	(73) ENTEGRIS INC.	(87) CA2014050638
G03B 21/56	(72) HENDRIX, Bryan, C.	15.01.2015
(11) EP3151938	GREGG, John, N.	(22) 04.07.2014
(21) EP15731433.7	BATTLE, Scott, L.	(54) METHODS FOR FINES CONTROL
(47) 12.08.2020	NAITO, Donn, K.	(73) Ostara Nutrient Recovery Technologies Inc.
(87) US2015033770	BARTOSH, Kyle	(72) BRITTON, Ahren Thomas
10.12.2015	CLEARY, John, M.	CLARK, Donald R.
(22) 02.06.2015	CHEON, Sebum	SATHYANARAYANA, Ram Prasad
(54) DISPLAY FOR IMMERSIVE WINDOW EFFECT	HODGES, Jordan	Melahalli
(73) Universal City Studios LLC	(31) 201261654077 P	(31) 201313941351
(72) HENION, David	(32) 31.05.2012	(32) 12.07.2013
GALL, Matthew	(33) United States of America	(33) United States of America
MCQUILLIAN, Brian B.	(51) B01D 1/22	(51) B01D 11/02
SMITH, Alex	B01J 19/18	B27K 1/00
SCHWARTZ, Justin M.	C08J 3/215	B27K 1/02
(31) 201414295774	(11) EP2435178	B27L 11/00
(32) 04.06.2014	(21) EP10727210.6	B27L 11/02
(33) United States of America	(47) 12.08.2020	B27N 1/00
(51) A63H 17/26	(87) US2010035924	B27N 3/14
(11) EP3566758	02.12.2010	B27N 3/18
(21) EP19151423.1	(22) 24.05.2010	(11) EP3453504
(47) 12.08.2020	(54) PROCESS FOR MAKING FILLED RESINS	(21) EP17189807.5
(22) 11.01.2019	(73) 3M Innovative Properties Company	(47) 12.08.2020
(54) HINGE MECHANISM FOR A DOOR OF A MODEL CAR	(72) NELSON, James M.,	(22) 07.09.2017
(73) Gateway Autoart Limited	ARCHIBALD, Matthew N.,	(54) METHOD FOR THE PREPARATION OF OSB WOOD-BASE PANELS WITH REDUCED EMISSION OF VOLATILE ORGANIC COMPOUNDS (VOCS)
Gateway Autoart Japan Corporation	THOMPSON, Wendy L.,	(73) SWISS KRONO Tec AG
(72) KWAN, KELVIN YUET-MING	MILLER, Jeremy A.,	(72) PFEIFFER, Sabrina
(31) 201810425901	LARSON, Randy A.,	KALWA, Norbert
(32) 07.05.2018	SPAWN, Terence D.,	
(33) China	(31) 181052 P	(51) B01D 11/04
(51) A63H 27/00	(32) 26.05.2009	C07C 1/20
B64C 1/00	(33) United States of America	C07C 7/10
B64C 1/06	(51) B01D 3/02	C07C 29/86
B64C 25/32	B01L 3/00	(11) EP3454959
B64C 27/02	B01L 3/16	(21) EP17722033.2
B64C 27/08	G01K 1/14	(47) 12.08.2020
B64C 27/32	(11) EP3569297	(87) EP2017061094
B64C 39/02	(21) EP19174616.3	16.11.2017
B64D 47/00	(47) 12.08.2020	(22) 09.05.2017
B64D 47/08	(22) 15.05.2019	(54) USE OF A LEWIS DONOR SOLVENT FOR PURIFYING A FEEDSTOCK COMPRISING ETHANOL, ACETALDEHYDE, AND IMPURITIES
G05D 1/04	(54) STOPPER FOR AUTOMATIC DISTILLATION MEASUREMENTS	(73) IFP Energies nouvelles
(11) EP3254949	(73) Anton Paar ProveTec GmbH	Compagnie Générale des Etablissements Michelin
(21) EP17174545.8	(72) Zimmermann, Frank	(72) HOGNON, Céline
(47) 12.08.2020	Kindt, Carsten	DROZDZ, Sophie
(22) 25.12.2013	Pergande, Daniel	JACQUIN, Marc
(54) TRANSFORMABLE AERIAL VEHICLE	(31) 102018111790	(31) 1654234
(73) SZ DJI Technology Co., Ltd.	(32) 16.05.2018	(32) 12.05.2016
(72) Zhao, Tao	(33) Germany	(33) France
Du, Hao	(51) B01D 9/00	(51) B01D 15/08
Wang, Mingxi	B01D 9/02	C07K 1/18
Wang, Tao	B01J 8/24	C12P 21/06
(31) 201310008317	B01J 19/00	(11) EP3239164
(32) 10.01.2013	B01J 19/24	(21) EP17165391.8
(33) China	C01B 25/00	(47) 12.08.2020
(51) B01B 1/00	C01B 25/32	(22) 07.04.2017
C23C 16/44	C01B 25/45	(54) METHOD FOR PURIFYING TARGET PROTEIN
C23C 16/448	C02F 1/52	(73) SYSMEX CORPORATION
(11) EP2855730	C02F 1/66	(72) Takahashi, Ryo
(21) EP13796903.6	C02F 101/10	(31) 2016077129
(47) 12.08.2020	C02F 103/00	
(87) US2013043592	C05B 7/00	
05.12.2013	(11) EP3019259	
(22) 31.05.2013	(21) EP14823442.0	

(32) 07.04.2016	(73) Archer Daniels Midland Company	(31) 201562104302 P
(33) Japan	(72) SOPER, John, G.	(32) 16.01.2015
(51) B01D 15/08	SCHULTZ, Mitchell	(33) United States of America
G01N 27/62	BINDER, Thomas P.	(51) B01D 17/02
G01N 30/02	(31) 201261643405 P	G01N 33/49
G01N 33/50	(32) 07.05.2012	(11) EP2699328
(11) EP3296740	(33) United States of America	(21) EP12721035.9
(21) EP17199530.1	(51) B01D 15/36	(47) 12.08.2020
(47) 12.08.2020	B01J 20/24	(87) US2012034104
(22) 30.11.2012	B01J 20/26	26.10.2012
(54) METHODS FOR DETECTING	B01J 20/28	(22) 18.04.2012
REVERSE TRIIODOTHYRONINE BY	B01J 20/281	(54) APPARATUS AND METHOD FOR
MASS SPECTROMETRY	B01J 20/285	SEPARATING AND CONCENTRATING
(73) Quest Diagnostics Investments	B01J 20/30	FLUIDS CONTAINING MULTIPLE
Incorporated	B01J 20/32	COMPONENTS
(72) BANKS, J. Fred	B01J 41/14	(73) Biomet Biologics, LLC
CHOU, Peter P.	C07K 1/16	(72) LANDRIGAN, Matthew D.
MATT, Noriya M.	G01N 30/88	LEACH, Michael D.
(31) 201113311412	(11) EP3248678	HIGGINS, Joel C.
(32) 05.12.2011	(21) EP16740179.3	(31) 201113089591
(33) United States of America	(47) 12.08.2020	(32) 19.04.2011
(51) B01D 15/08	(87) JP2016051473	(33) United States of America
G01N 35/02	28.07.2016	(51) B01D 17/06
G01N 35/04	(22) 19.01.2016	B01D 19/00
(11) EP2556380	(54) SEPARATION MATERIAL	C10G 33/06
(21) EP11864906.0	(73) Hitachi Chemical Company, Ltd.	E21B 43/34
(47) 12.08.2020	(72) WATANABE, Masaru	(11) EP3393615
(87) US2011020727	HIGASHIUCHI, Tomoko	(21) EP16831786.5
15.11.2012	KAWAUCHI, Fumihiko	(47) 12.08.2020
(22) 11.01.2011	GOTOH, Yasushi	(87) US2016066966
(54) APPARATUS FOR CONTROLLING	BUTSUGAN, Michio	29.06.2017
SAMPLE POSITION IN A LIQUID	(31) 2015007777	(22) 15.12.2016
CHROMATOGRAPHY SYSTEM	(32) 19.01.2015	(54) ELECTROSTATIC TECHNOLOGY
(73) Waters Technologies Corporation	(33) Japan	SYSTEM AND PROCESS TO
(72) BURNETT, Joshua, A.	(51) B01D 17/00	DEHYDRATE CRUDE OIL IN A CRUDE
USOWICZ, James, E.	B01D 19/00	OIL STORAGE TANK OF A FLOATING
LEMELIN, Marc	B01J 8/22	PRODUCTION STORAGE AND
(31) 293858 P	C10G 49/22	OFFLOADING INSTALLATION
(32) 11.01.2010	(11) EP3538627	(73) Cameron Solutions, Inc.
(33) United States of America	(21) EP17800419.8	(72) SPRENKEL, Marcus, D.
(51) B01D 15/10	(47) 12.08.2020	SAMS, Gary, W.
G01N 1/40	(87) EP2017077847	MANDEWALKAR, S., Pavankumar B.
G01N 30/08	17.05.2018	CAIRES FERNANDEZ, Luis, Eduardo
(11) EP2975376	(22) 31.10.2017	(31) 201514977901
(21) EP13890865.2	(54) NEW DEVICE FOR GAS-LIQUID	(32) 22.12.2015
(47) 12.08.2020	SEPARATION, INTENDED FOR THREE-	(33) United States of America
(87) JP2013072513	PHASE FLUIDISED BED REACTORS	(51) B01D 17/06
26.02.2015	SUCH AS THOSE USED IN THE H-OIL	C10G 33/06
(22) 23.08.2013	PROCESS	E21B 43/34
(54) SOLUTE EXTRACTION DEVICE	(73) IFP Energies nouvelles	(11) EP3393614
(73) Miura Co., Ltd.	(72) AMBLARD, Benjamin	(21) EP16831784.0
(72) FUJITA, Hiroyuki	FERRE, Daniel	(47) 12.08.2020
NAKAMURA, Hirofumi	LE COZ, Jean-François	(87) US2016066953
(51) B01D 15/32	(31) 1660834	29.06.2017
B01D 15/42	(32) 09.11.2016	(22) 15.12.2016
C07C 51/42	(33) France	(54) CRUDE OIL STORAGE TANK WITH
C12N 1/20	(51) B01D 17/00	ELECTROSTATIC INTERNALS TO
C12P 1/04	C07C 67/48	DEHYDRATE CRUDE OIL WITHIN A
C12P 7/40	C07C 67/58	PROCESS TRAIN OF A FLOATING
C12P 7/44	(11) EP3247481	PRODUCTION STORAGE AND
C12P 7/46	(21) EP16737623.5	OFFLOADING INSTALLATION
(11) EP2847342	(47) 12.08.2020	(73) Cameron Solutions, Inc.
(21) EP13787591.0	(87) US2016012103	(72) SPRENKEL, Marcus, D.
(47) 12.08.2020	21.07.2016	SAMS, Gary, W.
(87) US2013036858	(22) 05.01.2016	MANDEWALKAR, S., Pavankumar, B.
14.11.2013	(54) PURIFICATION OF PLASTICIZERS	CAIRES FERMAMDEZ, Luis, Eduardo
(22) 17.04.2013	(73) Archer Daniels Midland Company	(31) 201514977880
(54) PURIFICATION OF SUCCINIC ACID	(72) SUDHARSAN, Naveen	(32) 22.12.2015

(33) United States of America	RÖSGEN, André	(33) Germany
(51) B01D 19/00	PFLÜGER, Frank	(51) B01D 45/08
(11) EP3479888	(31) 102013021299	B01D 53/26
(21) EP18203812.5	(32) 19.12.2013	(11) EP3442682
(47) 12.08.2020	(33) Germany	(21) EP17716924.0
(22) 31.10.2018	(51) B01D 27/08	(47) 12.08.2020
(54) GAS-LIQUID SEPARATOR	B01D 35/00	(87) EP2017058886
(73) Carrier Corporation	B01D 35/30	19.10.2017
(72) XU, Jiaoquan	B01D 63/00	(22) 12.04.2017
FU, Qianli	B01D 65/00	(54) MOISTURE EXTRACTION ASSEMBLY
HU, Jichao	(11) EP1758666	HAVING A CELLULAR STRUCTURE
GONG, Yao	(21) EP04750120.0	WITH INTERCONNECTED CELLS
LIU, Hongsheng	(47) 12.08.2020	(73) Chrius Technologies Limited
(31) 201711062293	(87) US2004011520	(72) DEVEREUX, Christopher
(32) 02.11.2017	24.11.2005	ZHANG, Ronghui
(33) China	(22) 15.04.2004	(31) 201606289
(51) B01D 25/00	(54) FLUID TREATMENT ARRANGEMENTS	(32) 12.04.2016
B01D 25/12	AND METHODS FOR OPERATING	(33) United Kingdom
B01D 25/164	FLUID TREATMENT ARRANGEMENTS	(51) B01D 45/08
B01D 25/28	(73) PALL CORPORATION	B21D 39/06
(11) EP3103540	(72) HOSHINO, Tatsuya	B21D 53/08
(21) EP16001267.0	KATAOKA, Hisayuki	F25B 43/00
(47) 12.08.2020	(51) B01D 29/11	(11) EP3120091
(22) 04.06.2016	(11) EP3544714	(21) EP15764038.4
(54) PRESS FILTER	(21) EP17818430.5	(47) 12.08.2020
(73) LENSER Filtration GmbH	(47) 12.08.2020	(87) US2015021791
(72) Börste, Georg	(87) EP2017079993	24.09.2015
Zogalla, Thorsten	31.05.2018	(22) 20.03.2015
(31) 102015007535	(22) 22.11.2017	(54) METHOD OF MAKING AN AIR
(32) 12.06.2015	(54) FILTER ELEMENT AND FLUID FILTER	SEPARATOR SYSTEM
(33) Germany	COMPRISES A ROTATABLE BAYONET	(73) Veotec Americas LLC
(51) B01D 27/06	RING	(72) VALSLER, Peter
B01D 27/10	(73) Mann+Hummel GmbH	HANDLEY, Michael
(11) EP3082997	(72) WILDERMUTH, Andreas	PENDRILL, Philip
(21) EP14824439.5	PFLÜGER, Frank	RUSSELL, Andrew
(47) 12.08.2020	GOEDECKE, Marco	(31) 201461968627 P
(87) EP2014078255	(31) 102016013846	(32) 21.03.2014
25.06.2015	(32) 22.11.2016	(33) United States of America
(22) 17.12.2014	(33) Germany	(51) B01D 46/00
(54) TREATMENT DEVICE FOR TREATING	(51) B01D 29/11	(11) EP2442888
IN PARTICULAR LIQUID FLUIDS	B01D 35/18	(21) EP10790180.3
AND TREATMENT ELEMENT OF A	F02M 37/22	(47) 12.08.2020
TREATMENT DEVICE	(11) EP3097964	(87) US2010038972
(73) Mann + Hummel GmbH	(21) EP16171818.4	23.12.2010
(72) THALMANN, Christian	(47) 12.08.2020	(22) 17.06.2010
HASENFRATZ, Robert	(22) 27.05.2016	(54) FLUTABLE FIBER WEBS WITH HIGH
WAGNER, Fabian	(54) FILTER INLINE HEATER	DUST HOLDING CAPACITY
RÖSGEN, André	(73) Shaw Development LLC	(73) HOLLINGSWORTH & VOSE COMPANY
PFLÜGER, Frank	(72) KOONCE, John	(72) WITSCH, James, M.
(31) 102013021298	O'Hara, Michael	GUIMOND, Douglas, M.
(32) 19.12.2013	(31) 201514723632	(31) 488348
(33) Germany	(32) 28.05.2015	(32) 19.06.2009
(51) B01D 27/06	(33) United States of America	(33) United States of America
B01D 27/10	(51) B01D 29/33	(51) B01D 46/24
(11) EP3082998	B01D 29/66	(11) EP3544717
(21) EP14827740.3	B01D 29/70	(21) EP17787404.7
(47) 12.08.2020	B01D 29/92	(47) 12.08.2020
(87) EP2014078240	E03B 7/07	(87) EP2017076945
25.06.2015	(11) EP3213803	31.05.2018
(22) 17.12.2014	(21) EP16206974.4	(22) 23.10.2017
(54) TREATMENT DEVICE FOR TREATING	(47) 12.08.2020	(54) ROUND FILTER ELEMENT HAVING
FLUIDS, IN PARTICULAR LIQUID	(22) 27.12.2016	A LONGITUDINALLY EXTENDING
FLUIDS, AND TREATMENT ELEMENT	(54) FILTER ASSEMBLY	CROSS-SECTIONAL SHAPE
OF A TREATMENT DEVICE	(73) Hans Sasserath GmbH & Co. KG.	(73) Mann+Hummel GmbH
(73) Mann + Hummel GmbH	(72) Hecking, Willi	(72) DONAUER, Nadine
(72) THALMANN, Christian	(31) 202016101180 U	NEEF, Pascal
HASENFRATZ, Robert	(32) 04.03.2016	(31) 102016013844
WAGNER, Fabian		(32) 22.11.2016

(33) Germany	(51) B01D 53/02	(51) B01D 53/86
(51) B01D 46/24	B01D 53/04	C01B 17/04
C04B 35/01	B01D 53/26	(11) EP1689673
C04B 35/10	B01D 53/52	(21) EP04798874.6
C04B 35/185	B01D 53/68	(47) 12.08.2020
C04B 35/447	B01D 53/82	(87) IB2004003745
C04B 35/48	B01J 20/34	02.06.2005
C04B 35/626	C07C 5/333	(22) 16.11.2004
C04B 35/638	C07C 7/12	(54) PROCESS FOR THE RECOVERY OF
C04B 38/00	(11) EP3302760	SULPHUR FROM GASEOUS STREAMS
(11) EP3530633	(21) EP16803971.7	CONTAINING HYDROGEN SULPHIDE
(21) EP19159774.9	(47) 12.08.2020	(73) Siirtec-Nigi S.P.A.
(47) 12.08.2020	(87) US2016032823	(72) BESTETTI, Adalberto
(22) 27.02.2019	08.12.2016	(31) MI20032245
(54) CERAMIC HONEYCOMB STRUCTURE	(22) 17.05.2016	(32) 18.11.2003
AND ASSOCIATED MANUFACTURING	(54) PROCESSES FOR REMOVING	(33) Italy
METHOD	CONTAMINANTS FROM A	(51) B01D 53/88
(73) Dassault Aviation	DEHYDROGENATION EFFLUENT	B01J 21/06
(72) SOLA, Guy	(73) UOP LLC	B01J 23/745
GARDELLE, Bastien	(72) KANAZIREV, Vladislav I.	B01J 23/78
(31) 1800172	GORAWARA, Jayant K.	B01J 35/00
(32) 27.02.2018	ZIMMERMANN, Joseph E.	B01J 37/02
(33) France	(31) 201514727246	B01J 37/04
(51) B01D 47/06	(32) 01.06.2015	B01J 37/34
B01D 53/34	(33) United States of America	C02F 1/32
B01D 53/50	(51) B01D 53/52	C02F 1/48
B01D 53/75	C12M 1/00	C02F 1/72
B01D 53/78	C12M 1/107	C02F 101/30
B01D 53/86	(11) EP2968635	C02F 101/34
B01D 53/96	(21) EP14770918.2	C02F 101/36
C10G 11/18	(47) 12.08.2020	(11) EP3359289
(11) EP3406320	(87) US2014022545	(21) EP16777994.1
(21) EP17177421.9	25.09.2014	(47) 12.08.2020
(47) 12.08.2020	(22) 10.03.2014	(87) EP2016073809
(22) 22.06.2017	(54) METHOD AND APPARATUS FOR	13.04.2017
(54) METHOD AND APPARATUS	REMOVAL OF HYDROGEN SULFIDE	(22) 05.10.2016
FOR DENITRATION AND	AND CARBON DIOXIDE FROM BIOGAS	(54) METHOD FOR PREPARING
DESULFURIZATION OF AND DUST	(73) DVO, INC.	COMPOSITE PARTICLES
REMOVAL FROM FCC TAIL GAS BY	Washington State University	COMPRISING A MAGNETIC CORE
AMMONIA-BASED PROCESS	(72) KENNEDY, Nicholas	AND A PHOTOCATALYTICALLY
(73) Jiangnan Environmental Protection	ZHAO, Quan-Bao	ACTIVE COATING, AND COMPOSITE
Group Inc.	JIANG, Anping	PARTICLES OBTAINABLE BY SAID
(72) LUO, Jing	FREAR, Craig	METHOD
ZHANG, Jun	DVORAK, Stephen, W.	(73) Universidad Del Pais Vasco Euskal
LUO, Yongying	(31) 201313834494	Herriko Unibertsitatea
TAN, Qiang	(32) 15.03.2013	(72) LEIZA, José Ramón
XU, Xiangjun	(33) United States of America	ASUA, José María
(31) 201710379458	(51) B01D 53/86	GONZÁLEZ, Edurne
(32) 25.05.2017	B01J 29/14	BONNEFOND, Audrey
(33) China	B01J 29/16	(31) 15188363
(51) B01D 53/00	B01J 29/24	(32) 05.10.2015
B01D 53/44	B01J 29/46	(33) European Patent Office (EPO)
(11) EP3112007	B01J 29/68	(51) B01D 53/94
(21) EP16177237.1	B01J 37/02	B01J 21/04
(47) 12.08.2020	(11) EP3241602	B01J 23/10
(22) 30.06.2016	(21) EP17173238.1	B01J 23/42
(54) WASH HOOD FOR ABATEMENT	(47) 12.08.2020	B01J 23/44
EQUIPMENT AND METHOD OF	(22) 25.09.2008	B01J 23/63
WASHING	(54) PROCESS FOR THE CATALYTIC	B01J 35/00
(73) Durr Systems, Inc.	OXIDATION OF AMMONIA IN POWER	B01J 35/02
(72) PETERSON, Justin	UTILITIES	B01J 35/04
GOLDEN, Timothy	(73) BASF Corporation	B01J 35/10
(31) 201562186798 P	(72) Liu, Xinsheng	B01J 37/02
201615191850	Tran, Pascaline	B01J 37/08
(32) 30.06.2015	Lapadula, Gerald	(11) EP3260199
24.06.2016	(31) 864813	(21) EP17173757.0
(33) United States of America	(32) 28.09.2007	(47) 12.08.2020
United States of America	(33) United States of America	(22) 31.05.2017

(54) CATALYST FOR PURIFICATION OF EXHAUST GAS AND METHOD FOR PRODUCING THE CATALYST	World Intellectual Property Office (WIPO) United Kingdom	(11) EP2419203 (21) EP10714414.9 (47) 12.08.2020
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(51) B01D 63/02	(47) 12.08.2020
(72) YAMAZAKI, Kiyoshi	(11) EP3478398 (21) EP17737727.2 (47) 12.08.2020	(87) US2010030691 21.10.2010 (22) 12.04.2010
KATO, Chika	(87) EP2017065341 04.01.2018	(54) POROUS COMPOSITE MEMBRANE
SHIMMYO, Yusuke	(22) 22.06.2017	(73) Entegris, Inc.
(31) 2016117099	(54) METHOD FOR PRODUCING A MEMBRANE FILTER	(72) CHOI, Wai-ming
(32) 13.06.2016	(73) Membion GmbH	KATAOKA, Kiminori
(33) Japan	(72) VOLMERING, Dirk	(31) 168776 P
(51) B01D 53/94	VOSSENKAUL, Klaus	(32) 13.04.2009
B01J 21/04	(31) 102016211903	(33) United States of America
B01J 23/10	(32) 30.06.2016	(51) B01D 67/00
B01J 23/63	(33) Germany	B01D 69/14
B01J 35/00	(51) B01D 67/00	(11) EP3344376
B01J 35/04	B01D 69/02	(21) EP16759758.2
F01N 3/035	B01D 69/08	(47) 12.08.2020
F01N 3/10	B01D 71/32	(87) EP2016070524 09.03.2017
F01N 13/00	B01D 71/34	(22) 31.08.2016
(11) EP3393654	(11) EP3238814	(54) MATERIAL FOR THE TREATMENT OF FLUIDS OR FLUID MIXTURES
(21) EP16822505.0	(21) EP15873311.3	(73) Silana GmbH
(47) 12.08.2020	(47) 12.08.2020	Universität Zürich
(87) GB2016054070	(87) JP2015086332 30.06.2016	(72) CHU, Zonglin
29.06.2017	(22) 25.12.2015	SEEGER, Stefan
(22) 23.12.2016	(54) POROUS HOLLOW FIBER MEMBRANE	(31) 15183372
(54) GASOLINE PARTICULATE FILTER	(73) Toray Industries, Inc.	(32) 01.09.2015
(73) Johnson Matthey Public Limited Company	(72) HANAKAWA Masayuki	(33) European Patent Office (EPO)
(72) CLOWES, Lucy	IWAI Kenta	(51) B01F 1/00
DESTECROIX, Oliver	ISHIZAKI Toshiyuki	B01F 15/00
GOODWIN, John Benjamin	KITADE Tamotsu	B63B 13/00
HOWARD, Michael Anthony	KIMURA Masahiro	B63J 4/00
LAKADAMYALI, Fezile	(31) 2014264345	C02F 1/68
LOCKETT, Sarah Frances	(32) 26.12.2014	C02F 1/76
MILLINGTON, Paul	(33) Japan	(11) EP3369711
ROBSON, Chris	(51) B01D 67/00	(21) EP16859743.3
(31) 201522917	B01D 69/02	(47) 12.08.2020
201604915	B01D 69/12	(87) JP2016081436 04.05.2017
(32) 24.12.2015	B01D 71/56	(22) 24.10.2016
23.03.2016	C08G 69/26	(54) BALLAST WATER TREATMENT APPARATUS AND BALLAST WATER TREATMENT METHOD
(33) United Kingdom	C08G 69/28	(73) Kuraray Co., Ltd.
United Kingdom	(11) EP2540385	(72) TAJIMA, Yasuhiro
(51) B01D 53/94	(21) EP11747242.3	(31) 2015211655
F01N 3/035	(47) 12.08.2020	(32) 28.10.2015
F01N 3/10	(87) JP2011053375 01.09.2011	(33) Japan
(11) EP2988851	(22) 17.02.2011	(51) B01F 3/02
(21) EP14720211.3	(54) COMPOSITE SEMIPERMEABLE MEMBRANE AND PROCESS FOR PRODUCTION THEREOF	B01F 5/00
(47) 12.08.2020	(73) Toray Industries, Inc.	F02K 1/38
(87) GB2014051257	(72) OGAWA, Takafumi	F02K 9/82
30.10.2014	TOMIOKA, Hiroki	(11) EP3488916
(22) 23.04.2014	KIMURA, Masahiro	(21) EP18202332.5
(54) POSITIVE IGNITION ENGINE WITH FILTER SUBSTRATE COMPRISING ZONE-COATED CATALYST WASHCOAT	HIGASHI, Masaki	(47) 12.08.2020
(73) Johnson Matthey Public Limited Company	TAKAYA, Kiyohiko	(22) 24.10.2018
(72) BLAKEMAN, Philip Gerald	KOIWA, Masakazu	(54) FLUID MIXER WITH OFFSET FLUID CHANNEL OUTLET, COMBUSTION CHAMBER AND AIRCRAFT EQUIPPED WITH A FLUID MIXER
GREENWELL, David Robert	(31) 2010060296	(73) ArianeGroup GmbH
(31) 201307421	2010036952	(72) Dr.-Ing. Höglauer, Christoph
201361815443 P	(32) 17.03.2010	(31) 102017127830
PCT/GB2013/051039	23.02.2010	(32) 24.11.2017
201320342	(33) Japan	(33) Germany
(32) 24.04.2013	(51) B01D 67/00	(51) B01F 3/04
24.04.2013	B01D 69/12	
24.04.2013		
18.11.2013		
(33) United Kingdom		
United States of America		

B01F 3/08	B01J 20/12	(47) 12.08.2020
B01F 5/06	B01J 20/22	(22) 30.08.2018
B01J 13/00	B01J 20/26	(54) REACTOR SYSTEM AND PROCESS FOR UPGRADING HEAVY HYDROCARBONACEOUS MATERIAL
(11) EP2944370	B01J 20/30	(73) INDIAN OIL CORPORATION Ltd.
(21) EP14737691.7	B01J 20/32	(72) SARKAR, Mainak
(47) 12.08.2020	(11) EP3391958	DAVE, Darshankumar Manubhai
(87) JP2014050327	(21) EP17167083.9	KARUMANCHI, Ramesh
17.07.2014	(47) 12.08.2020	SAU, Madhusudan
(22) 10.01.2014	(22) 19.04.2017	BUTLEY, Ganesh Vitthalrao
(54) PROCESS FOR PRODUCING COMPOSITION OF CONTINUOUS PHASE WITH DISPERSE PHASE DISPERSED THEREIN, AND DEVICE THEREFOR	(54) METHOD OF MAKING SURFACE-COATED WATER-ABSORBING POLYMER PARTICLES IN A MICROFLUIDIC DEVICE	VISHWAKARMA, Nepal
(73) Kyushu University, National University Corporation	(73) The Procter & Gamble Company	KUMAR, Kamal
(72) SHIMODA, Mitsuya	(72) SIMONYAN, Arsen	KUMAR, Pravesh
KARATANI, Naohiro	KAMPHUS, Juliane	KUMAR, Sarvesh
YACHIGO, Hiroki	SEIFFERT, Sebastian	BHATTACHARYYA, Debasis
MASUO, Miki	HABICHT, Axel Kai Tobias	MAZUMDAR, Sanjiv Kumar
(31) 2013002664	(51) B01F 17/00	RAMAKUMAR, Sankara Sri Venkata
(32) 10.01.2013	C08K 5/14	(31) 201721034750
(33) Japan	(11) EP3206779	(32) 29.09.2017
(51) B01F 5/06	(21) EP15787266.4	(33) India
B01F 13/00	(47) 12.08.2020	(51) B01J 7/00
B01L 3/00	(87) FR2015052758	B01J 8/02
B29C 59/14	21.04.2016	B01J 19/18
(11) EP3141298	(22) 14.10.2015	B01J 19/24
(21) EP16386017.4	(54) AQUEOUS EMULSION OF DIALKYL PEROXIDE	C07C 25/02
(47) 12.08.2020	(73) Arkema France	C07C 45/55
(22) 08.09.2016	(72) TARTARIN, Isabelle	C07C 47/04
(54) POLYMERIC MICROFLUIDIC DEVICE FOR NUCLEIC ACID PURIFICATION FABRICATED VIA PLASMA MICRO-NANOTEXTURING	COCHET, Jacques	C08G 65/16
(73) NATIONAL CENTER FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	LOHR, Juergen	F28D 7/02
Gogolides, Evangelos	(31) 1459972	(11) EP3459621
Tserepi, Angeliki	(32) 17.10.2014	(21) EP18194799.5
(72) Gogolides, Evangelos	(33) France	(47) 12.08.2020
Tserepi, Angeliki	(51) B01J 3/00	(22) 17.09.2018
Kastania, Athina	B01J 19/24	(54) METHOD FOR GENERATING FORMALDEHYDE MONOMER VAPOR
Kokkoris, George	C10G 29/20	(73) L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE
(31) 20150100398	C10G 45/00	(72) GRASMEDER, Robert J.
(32) 09.09.2015	C10G 45/04	MILLER, Stephen B.
(33) Greece	C10G 45/26	PETRICH, Nolan R.
(51) B01F 5/06	C10G 45/60	(31) 201715710139
B01L 3/00	C10G 45/68	(32) 20.09.2017
G01N 1/18	C10G 47/00	(33) United States of America
G01N 1/38	C10G 47/32	(51) B01J 8/00
G01N 33/49	(11) EP2908942	B01J 8/04
(11) EP2044411	(21) EP13785789.2	C07C 29/149
(21) EP07796534.1	(47) 12.08.2020	C07C 31/125
(47) 12.08.2020	(87) US2013066191	(11) EP3165517
(87) US2007014986	01.05.2014	(21) EP16020058.0
17.01.2008	(22) 22.10.2013	(47) 12.08.2020
(22) 26.06.2007	(54) HIGH-RATE REACTOR SYSTEM	(22) 29.02.2016
(54) MECHANICAL DEVICE FOR MIXING A FLUID SAMPLE WITH A TREATMENT SOLUTION	(73) Applied Research Associates, Inc.	(54) INSTALLATION AND METHOD FOR THE PRODUCTION OF FATTY ALCOHOL
(73) Polymer Technology Systems, Inc.	(72) COPPOLA, Edward N.	(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
(72) RAMEL, Urs A.	NANA, Sanjay	(72) Pötschacher, Peter
(31) 485743	RED, Charles, Jr.	Hoffmann, Manfred
(32) 12.07.2006	(31) 201261716636 P	Pomrehn, Fredrik
(33) United States of America	201361824167 P	Brandner, Armin
(51) B01F 13/00	(32) 22.10.2012	(31) 15400052
B01J 13/14	16.05.2013	(32) 06.11.2015
B01J 13/22	(33) United States of America	(33) European Patent Office (EPO)
	(51) B01J 4/00	(51) B01J 8/00
	B01J 10/00	B01J 8/42
	B01J 19/26	
	C10G 47/00	
	(11) EP3461876	
	(21) EP18191726.1	

B01J 19/08	DAVIS, Brain, L.	YANG, Hongyun
B01J 19/24	RUNDO, James, A.	KALLURI, Ranjeeth
H05H 1/24	(31) 201261619497 P	CAHELA, Donald
(11) EP3409351	(32) 03.04.2012	(31) 258741 P
(21) EP17744211.8	(33) United States of America	(32) 06.11.2009
(47) 12.08.2020	(51) B01J 19/12	(33) United States of America
(87) JP2017002389	B01J 19/24	(51) B01J 21/02
03.08.2017	(11) EP3612300	B01J 21/06
(22) 24.01.2017	(21) EP18727800.7	B01J 21/18
(54) POWDER-TREATING DEVICE AND METHOD	(47) 12.08.2020	B01J 23/00
(73) Nippon Pneumatic MFG. Co., Ltd.	(87) EP2018064177	B01J 23/08
(72) HIROSE, Fumihiko	06.12.2018	B01J 23/14
MORIMOTO, Hiroshi	(22) 30.05.2018	C07F 7/10
(31) 2016011704	(54) PHOTOREACTOR	C07F 7/12
(32) 25.01.2016	(73) Fundació Institut Català d'Investigació Quimica (ICIQ)	C07F 7/16
(33) Japan	Institució Catalana de Recerca i Estudis Avançats	(11) EP3253771
(51) B01J 8/02	(72) LLORET-FILLOL, Julio	(21) EP16747176.2
F16K 31/20	CASADEVALL SERRANO, Carla	(47) 12.08.2020
F25B 41/06	LEÓN, José, Luis	(87) US2016016343
(11) EP3064870	CALL QUINTANA, Arnau	11.08.2016
(21) EP15157801.0	CASITAS MONTERO, Alicia	(22) 03.02.2016
(47) 12.08.2020	PLA, Joan Jose	(54) METHOD OF PRODUCING ORGANOHALOSILANES
(22) 05.03.2015	PÉREZ HERNÁNDEZ, Javier	(73) Dow Silicones Corporation
(54) FLOAT VALVE FOR A CHEMICAL REACTOR	CALDENTY FRONTERA, Francesc, Xavier	(72) GOHNDRONE, John Michael
(73) Haldor Topsøe A/S	(31) 17382313	(31) 201562112863 P
(72) Zahirovic, Emir	(32) 31.05.2017	(32) 06.02.2015
Risbjerg Jarlkov, Klaus	(33) European Patent Office (EPO)	(33) United States of America
Nielsen, Flemming Plougstrup	(51) B01J 21/10	(51) B01J 21/10
(51) B01J 8/20	B01J 23/00	B01J 23/00
B01J 8/28	B01J 31/04	B01J 31/04
B01J 8/38	B01J 31/06	B01J 31/06
C02F 1/42	B01J 35/02	B01J 35/02
B01J 47/02	B01J 37/08	B01J 37/08
B01J 47/10	C01F 7/02	C01F 7/02
B01J 49/00	(11) EP3429749	(11) EP3429749
(11) EP2704832	(21) EP17715303.8	(21) EP17715303.8
(21) EP12782026.4	(47) 12.08.2020	(47) 12.08.2020
(47) 12.08.2020	(87) US2017022485	(87) US2017022485
(87) CA2012000417	21.09.2017	21.09.2017
15.11.2012	(22) 15.03.2017	(22) 15.03.2017
(22) 03.05.2012	(54) HIGH ASPECT RATIO LAYERED DOUBLE HYDROXIDE MATERIALS AND METHODS FOR PREPARATION THEREOF	(54) HIGH ASPECT RATIO LAYERED DOUBLE HYDROXIDE MATERIALS AND METHODS FOR PREPARATION THEREOF
(54) IMPROVED APPARATUS AND CIRCULATING FLUIDIZED BED SYSTEM	(73) Saudi Arabian Oil Company	(73) Saudi Arabian Oil Company
(73) Renix Inc.	Durham University	Durham University
(72) HAAS, Christine	(72) VEERABHADRAPPA, Manohara Gudiyor	(72) VEERABHADRAPPA, Manohara Gudiyor
PRINCE, David Andrew	GREENWELL, Hugh Christopher	GREENWELL, Hugh Christopher
BASSI, Amarjeet	ALABEDI, Gasan Selman	ALABEDI, Gasan Selman
(31) 201161483364 P	HALL, John Adrian	HALL, John Adrian
(32) 06.05.2011	AL-SHAHRANI, Abdullah A.	AL-SHAHRANI, Abdullah A.
(33) United States of America	WHITING, Andrew	WHITING, Andrew
(51) B01J 19/00	(31) 201662309645 P	(31) 201662309645 P
F28F 13/00	(32) 17.03.2016	(32) 17.03.2016
(11) EP2834585	(33) United States of America	(33) United States of America
(21) EP13772205.4	(51) B01J 23/00	(51) B01J 23/00
(47) 12.08.2020	B01J 23/83	B01J 23/83
(87) US2013034590	B01J 23/887	B01J 23/887
10.10.2013	B01J 23/888	B01J 23/888
(22) 29.03.2013	B01J 37/00	B01J 37/00
(54) EXPANDING CENTERS FOR STACKABLE STRUCTURAL REACTORS	B01J 37/04	B01J 37/04
(73) Johnson Matthey Public Limited Company	C07C 5/333	C07C 5/333
(72) WHITTENBERGER, William, A.	C07C 15/46	C07C 15/46
WHITTENBERGER, Joseph, W.	(11) EP3140039	(11) EP3140039
	(21) EP15720724.2	(21) EP15720724.2
	(47) 12.08.2020	(47) 12.08.2020
	(87) EP2015059908	(87) EP2015059908

12.11.2015	(31) 12162154	(73) Universal Bio Research Co., Ltd.
(22) 06.05.2015	(32) 29.03.2012	(72) TAJIMA, Hideji
(54) IMPROVED CATALYST FOR DEHYDROGENATING HYDROCARBONS	(33) European Patent Office (EPO)	(31) 2005257059
(73) BASF SE	(51) B01J 31/02	(32) 05.09.2005
(72) PATCAS, Florina Corina DIETERLE, Martin	C08G 18/24	(33) Japan
(31) 14167662	C08G 18/28	(51) B01L 3/00
(32) 09.05.2014	C08G 18/79	B01L 3/14
(33) European Patent Office (EPO)	(11) EP2900717	(11) EP2576059
(51) B01J 23/30	(21) EP13770648.7	(21) EP11726857.3
B01J 37/04	(47) 12.08.2020	(47) 12.08.2020
C07B 61/00	(87) EP2013069615	(87) FI2011050473
C07C 253/24	03.04.2014	01.12.2011
C07C 255/08	(22) 20.09.2013	(22) 24.05.2011
(11) EP3115107	(54) POLYISOCYANATE POLYADDITION PRODUCTS	(54) SEALING OF REACTION CUVETTES FOR BIOAFFINITY ASSAYS
(21) EP15759280.9	(73) Covestro Deutschland AG	(73) Arcdia International Oy Ltd
(47) 12.08.2020	(72) RICHTER, Frank	(72) KOSKINEN, Janne
(87) JP2015056317	GRAHL, Michael	RUONAMO, Risto-Matti
11.09.2015	FLECK, Olaf	SOINI, Aleksi
(22) 04.03.2015	(31) 12185930	(31) 20105591
(54) METHOD FOR PRODUCING AN OXIDE CATALYST, AND A METHOD FOR PRODUCING UNSATURATED NITRILE	(32) 25.09.2012	(32) 26.05.2010
(73) ASAHI KASEI KABUSHIKI KAISHA	(33) European Patent Office (EPO)	(33) Finland
(72) ISHII, Yusuke	(51) B01L 3/00	(51) B01L 3/00
OKADA, Kazushi	(11) EP3523042	B01L 9/06
(31) 2014044235	(21) EP17787875.8	G01N 35/04
(32) 06.03.2014	(47) 12.08.2020	(11) EP3387107
(33) Japan	(87) EP2017025285	(21) EP16872481.3
(51) B01J 29/04	12.04.2018	(47) 12.08.2020
(11) EP2079546	(22) 05.10.2017	(87) IB2016001840
(21) EP07864119.8	(54) ANALYSIS SYSTEM FOR TESTING A SAMPLE	15.06.2017
(47) 12.08.2020	(73) Boehringer Ingelheim Vetmedica GmbH	(22) 07.12.2016
(87) US2007084095	(72) NIEMEYER, Axel	(54) TUBE SEALING SYSTEM AND METHODS FOR NUCLEIC ACID AMPLIFICATION
15.05.2008	SCHMOLKE, Hannah	(73) Spartan Bioscience Inc.
(22) 08.11.2007	(31) 16020377	(72) HARDER, Chris
(54) METHODS OF PRODUCING METAL- RICH SILICEOUS COMPOSITIONS	(32) 07.10.2016	BUXTON, Michael
(73) Nalco Company	(33) European Patent Office (EPO)	DICKSON, Lawrence
(72) HOLLAND, Brian T.	(51) B01L 3/00	LEM, John
(31) 557548	(11) EP3549674	KOSCIELSKI, Joel
(32) 08.11.2006	(21) EP19175141.1	GLENNIE, Derek
(33) United States of America	(47) 12.08.2020	(31) 201562266080 P
(51) B01J 31/02	(22) 20.12.2013	(32) 11.12.2015
C08G 18/09	(54) LOW ELASTICITY FILMS FOR MICROFLUIDIC USE	(33) United States of America
C08G 18/22	(73) PerkinElmer Health Sciences, Inc.	(51) B01L 3/00
C08G 18/28	(72) Sprague, Isaac	G01N 13/04
C08G 18/38	Kay, Justin	G01N 33/487
C08G 18/48	Bragd, Matthew	G01N 35/00
C08G 18/58	Battrell, Frederick	(11) EP3198257
C08G 18/72	(31) 201261745340 P	(21) EP15843475.3
C08G 18/76	(32) 21.12.2012	(47) 12.08.2020
C08G 18/79	(33) United States of America	(87) US2015051772
C08K 5/21	(51) B01L 3/00	31.03.2016
(11) EP2830761	B01L 3/02	(22) 23.09.2015
(21) EP13708493.5	G01N 30/60	(54) SYSTEM FOR INTEGRATION OF MICROFLUIDIC TEAR COLLECTION AND LATERAL FLOW ANALYSIS OF ANALYTES OF INTEREST
(47) 12.08.2020	G01N 33/543	(73) Tearlab Research, Inc.
(87) EP2013055014	G01N 35/00	(72) SULLIVAN, Benjamin
03.10.2013	G01N 35/10	ZMINA, Steve
(22) 12.03.2013	C12Q 1/6804	LEE, Melissa
(54) POLYISOCYANATE TRIMERIZATION CATALYST COMPOSITION	(11) EP1930724	WESTERBERG, Brandon
(73) Huntsman International LLC	(21) EP06797279.4	SOLOMON, Matthew Daniel
(72) ESBELIN, Christian	(47) 12.08.2020	POTZNER, Christian
VERBEKE, Hugo	(87) JP2006317337	GARST, Sebastiaan
VERBEKE, Hans, Godelieve, Guido	15.03.2007	SPRINGER, Matthew
	(22) 01.09.2006	HAYES, Jason
	(54) VARIOUS SUBSTANCES HOLDER AND VARIOUS SUBSTANCES HOLDER TREATING METHOD	



MUNSTER, Peter	201662372876 P	(31) 14185418
HARVEY, Erol Craig	(32) 22.12.2015	(32) 18.09.2014
WILKINSON, Michael	10.08.2016	(33) European Patent Office (EPO)
SLOWINSKA, Joanna	(33) United States of America	(51) B05B 1/30
LEE, Derek	United States of America	B05B 9/01
VAN RUIJVEN, Peter	(51) B01L 9/06	B05B 12/00
(31) 201462053923 P	G01N 35/04	(11) EP3450025
(32) 23.09.2014	(11) EP3294455	(21) EP18194904.1
(33) United States of America	(21) EP16722572.1	(47) 12.08.2020
(51) B01L 3/00	(47) 12.08.2020	(22) 12.12.2013
G01N 33/49	(87) EP2016059588	(54) VALVE GUN FOR A HIGH-PRESSURE
G01N 33/80	17.11.2016	CLEANING DEVICE
G01N 33/86	(22) 29.04.2016	(73) Alfred Kärcher SE & Co. KG
(11) EP2994750	(54) TEST TUBE CARRIER	(72) Breuer, Christoph
(21) EP14794854.1	(73) F. Hoffmann-La Roche AG	Knödler, Daniel
(47) 12.08.2020	(72) MALINOWSKI, Michal	(51) B05B 7/02
(87) US2014037192	(31) 15167148	B05B 7/24
13.11.2014	(32) 11.05.2015	B29C 70/46
(22) 07.05.2014	(33) European Patent Office (EPO)	B29C 70/86
(54) MICROFLUIDIC DEVICES AND	(51) B02C 1/02	B05B 12/00
METHODS FOR PERFORMING SERUM	B02C 23/00	(11) EP3103628
SEPARATION AND BLOOD CROSS-	E04G 3/24	(21) EP16173021.3
MATCHING	(11) EP3517207	(47) 12.08.2020
(73) PerkinElmer Health Sciences, Inc.	(21) EP19151296.1	(22) 04.06.2016
(72) KOLB, Andrew, W.	(47) 12.08.2020	(54) SPRAY GUN
ELMUFDI, Carolina, L.	(22) 10.01.2019	(73) Walmec S.P.A.
BATTRELL, C., Frederick	(54) SERVICE PLATFORM AND JAW	(72) ZANETTI, Paolo
(31) 201361820576 P	CRUSHING ASSEMBLY INCLUDING	(31) UB20150943
201361820585 P	SAME	(32) 11.06.2015
201361820579 P	(73) Terex GB Limited	(33) Italy
(32) 07.05.2013	(72) DUNN, Gordon	(51) B05B 7/14
07.05.2013	(31) 201801132	B05B 12/00
07.05.2013	(32) 24.01.2018	(11) EP3238832
(33) United States of America	(33) United Kingdom	(21) EP16167644.0
United States of America	(51) B03C 5/00	(47) 12.08.2020
United States of America	B03C 5/02	(22) 29.04.2016
(51) B01L 3/00	C12M 1/42	(54) POWDER CONVEYING DEVICE FOR
G01N 35/10	(11) EP2010332	CONVEYING COATING POWDER TO
(11) EP2893357	(21) EP07734292.1	A POWDER APPLICATOR, POWDER
(21) EP13758891.9	(47) 12.08.2020	COATING INSTALLATION AND
(47) 12.08.2020	(87) IB2007000973	METHOD FOR OPERATING THE
(87) EP2013068474	25.10.2007	POWDER CONVEYING DEVICE
13.03.2014	(22) 13.04.2007	(73) Wagner International AG
(22) 06.09.2013	(54) METHOD FOR THE SELECTION OR	(72) Lutz, Gilbert
(54) SYSTEM FOR DISPENSING A SAMPLE	THE PROCESSING OF PARTICLES, IN	Studerus, Patric
INTO A BUFFER LIQUID	PARTICULAR CELLS	(51) B05B 11/00
(73) F.Hoffmann-La Roche AG	(73) Menarini Silicon Biosystems S.p.A.	B65D 51/00
(72) BERNDT, Peter	(72) ABONNENC, Mélanie	(11) EP3406349
FATTINGER, Christof	MANARESI, Nicolò	(21) EP18173625.7
STEINER, Roger	MEDORO, Gianni	(47) 12.08.2020
(31) 12183365	(31) TO20060278	(22) 22.05.2018
(32) 06.09.2012	(32) 13.04.2006	(54) CONTAINER OF FLUID SUBSTANCES
(33) European Patent Office (EPO)	(33) Italy	WITH HERMETIC SEALING SYSTEM
(51) B01L 7/00	(51) B03D 1/00	AND METHOD OF USE
B01L 9/00	(11) EP3194077	(73) Lumson S.p.A.
(11) EP3393665	(21) EP15763009.6	(72) Moretti, Matteo
(21) EP16823510.9	(47) 12.08.2020	(31) 201700056451
(47) 12.08.2020	(87) EP2015071003	(32) 24.05.2017
(87) US2016068151	24.03.2016	(33) Italy
29.06.2017	(22) 15.09.2015	(51) B05B 11/00
(22) 21.12.2016	(54) USE OF BRANCHED ALCOHOLS	G05D 11/03
(54) THERMAL CYCLER SYSTEMS	AND ALKOXYLATES THEREOF AS	(11) EP3431187
(73) Life Technologies Corporation	SECONDARY COLLECTORS	(21) EP18176420.0
(72) TAN, Zeqi	(73) Nouryon Chemicals International B.V.	(47) 12.08.2020
LOH, Wuh Ken	(72) SMOLKO-SCHVARZMAYR, Natalija	(22) 07.06.2018
LEE, Siew Yin	KLINGBERG, Anders	(54) DEVICE FOR DISPENSING A
BOO, Kuan Moon (Bernard)	HENRIKSSON, Elisabeth	PLURALITY OF FLUID PRODUCTS
(31) 201562270716 P	NORDBERG, Henrik	

(73) Albéa Services	19.11.2015	(54) Withdrawal device for a collecting vessel
(72) SCHERER, Christopher	(22) 30.04.2015	(73) Mettler-Toledo Garvens GmbH
(31) 201715656823	(54) SLIDE MEMBER WITH COATING	(72) Schwanitz, Florian
(32) 21.07.2017	FILM AND METHOD FOR FORMING	(51) B07C 7/00
(33) United States of America	COATING FILM	B29B 17/02
(51) B05B 13/04	(73) NOK Klueber Co., Ltd.	B65F 1/00
B41J 3/407	(72) YAMASAKI Yujiro	(11) EP3533577
(11) EP3112176	(31) 2014102341	(21) EP19156388.1
(21) EP16001687.9	(32) 16.05.2014	(47) 12.08.2020
(47) 12.08.2020	(33) Japan	(22) 11.02.2019
(22) 16.10.2009	(51) B05D 1/36	(54) PROCESS FOR COLLECTING PLASTIC
(54) COATING DEVICE AND ASSOCIATED	C08G 59/40	MATERIALS AND FOR RECYCLING
COATING METHOD	C08G 59/66	SAID MATERIALS IN A SUPPLY CHAIN
(73) Dürr Systems AG	C08G 59/68	(73) Frigo, Mauro
(72) Herre, Frank	C08G 75/00	(72) FRIGO, Mauro
Fritz, Hans-Georg	(11) EP3288999	BACCO, Paolo
Wesselky, Steffen	(21) EP16787215.9	(31) 201800003245
(31) 102008053178	(47) 12.08.2020	(32) 02.03.2018
(32) 24.10.2008	(87) US2016030021	(33) Italy
(33) Germany	03.11.2016	(51) B08B 7/00
(51) B05C 1/00	(22) 29.04.2016	F01P 3/20
B05C 1/02	(54) COMPOSITION INCLUDING A	F28D 1/02
B05C 1/08	POLYTHIOL AND A POLYEPOXIDE	F28D 1/047
B42C 9/00	AND METHODS RELATING TO THE	F28F 19/00
(11) EP3248692	COMPOSITION	F28F 19/04
(21) EP17172141.8	(73) 3M Innovative Properties Company	(11) EP3483547
(47) 12.08.2020	(72) YE, Sheng	(21) EP18207188.6
(22) 22.05.2017	GONG, Tao	(47) 12.08.2020
(54) ADHESIVE APPLICATION ROLLER	BLACKWELL, Charlie P.	(22) 04.12.2015
FOR USE IN A GLUEING DEVICE	ZOOK, Jonathan D.	(54) COOLING APPARATUS FOR COOLING
EQUIPPED WITH AT LEAST ONE	DEMOSS, Susan E.	A FLUID BY MEANS OF SURFACE
ADHESIVE APPLICATION ROLLER	(31) 201562154469 P	WATER
(73) Müller Martini Holding AG	201562154502 P	(73) Koninklijke Philips N.V.
(72) Müller, Hans	(32) 29.04.2015	(72) SALTERS, Bart Andre
(31) 6762016	29.04.2015	HIETBRINK, Roelant Boudewijn
(32) 26.05.2016	(33) United States of America	(31) 14197744
(33) Switzerland	United States of America	15177631
(51) B05D 1/12	(51) B06B 1/06	(32) 12.12.2014
B05D 1/36	G06F 1/16	21.07.2015
B32B 27/00	H01L 21/02	(33) European Patent Office (EPO)
C23C 14/06	H01L 23/12	European Patent Office (EPO)
C23C 14/22	H01L 23/15	(51) B08B 9/032
C23C 14/24	H01L 41/09	E03F 9/00
C23C 14/28	(11) EP3065168	(11) EP3313589
C23C 14/56	(21) EP14856813.2	(21) EP16744514.7
(11) EP2832894	(47) 12.08.2020	(47) 12.08.2020
(21) EP13767270.5	(87) JP2014078878	(87) IB2016000881
(47) 12.08.2020	07.05.2015	29.12.2016
(87) JP2013052196	(22) 30.10.2014	(22) 24.06.2016
03.10.2013	(54) SAPPHIRE STRUCTURE HAVING	(54) DRAIN PIPE CLEANING DEVICE AND
(22) 31.01.2013	ATTACHED METAL BODY, METHOD	METHOD OF CLEANING
(54) PARTICULATE FILM LAMINATING	FOR MANUFACTURING SAPPHIRE	(73) Dyteqta International Limited
APPARATUS AND PARTICULATE FILM	STRUCTURE HAVING ATTACHED	(72) BLUNDEN, James
LAMINATING METHOD USING SAME	METAL BODY, ELECTRONIC DEVICE,	HARTLEY, Charles
(73) Kabushiki Kaisha Atsumitec	AND OUTER PACKAGE	(31) PCT/IB2015/001065
(72) UCHIYAMA, Naoki	(73) Kyocera Corporation	(32) 26.06.2015
KANAI, Tomomi	(72) UMEHARA, Motohiro	(33) World Intellectual Property Office (WIPO)
(31) 2012069775	KUBO, Yoshinori	(51) B08B 15/02
(32) 26.03.2012	(31) 2013225829	F24C 15/20
(33) Japan	(32) 30.10.2013	(11) EP3526521
(51) B05D 1/36	(33) Japan	(21) EP17832803.5
B05D 5/08	(51) B07B 13/16	(47) 12.08.2020
B32B 27/18	B65D 90/62	(87) IB2017056220
F16C 33/20	G01G 23/00	19.04.2018
(11) EP3144144	(11) EP2942113	(22) 09.10.2017
(21) EP15791918.4	(21) EP14167418.4	(54) HOOD FOR THE SUCTION OF
(47) 12.08.2020	(47) 12.08.2020	COOKING FUMES
(87) JP2015063026	(22) 07.05.2014	(73) Elica S.p.A.

(72) GARGIULO, Antonello CILIBERTI, Rosangela	(21) EP15801393.8	(32) 30.04.2008
(31) 201600102040	(47) 12.08.2020	(33) United States of America
(32) 11.10.2016	(87) EP2015077657	(51) B21D 28/02
(33) Italy	02.06.2016	B21D 28/04
(51) B09B 3/00	(22) 25.11.2015	B21D 35/00
C11B 13/00	(54) MULTI PORT EXTRUSION TUBING	B21D 43/00
F26B 3/14	DESIGN	B21D 43/02
F26B 3/20	(73) Sapa AS	B21D 43/09
F26B 17/12	(72) VESTERGAARD, Bjørn	B26D 7/06
(11) EP3115117	PLOUG, Ole	B30B 15/30
(21) EP15758815.3	(31) 1451424	H01F 41/02
(47) 12.08.2020	(32) 25.11.2014	H02K 15/02
(87) ES2015070137	(33) Sweden	(11) EP3345691
11.09.2015	(51) B21C 37/08	(21) EP16841553.7
(22) 26.02.2015	C21D 1/22	(47) 12.08.2020
(54) PLANT AND PROCESS FOR THE	C21D 8/10	(87) JP2016074334
TREATMENT OF THE SUBPRODUCTS	C21D 9/08	09.03.2017
DERIVED FROM THE EXTRACTION OF	C21D 9/14	(22) 22.08.2016
VIRGIN OLIVE OIL	C21D 9/50	(54) LAMINATED CORE MANUFACTURING
(73) Secado Industrial De Granulares, S.L.	(11) EP2778239	DEVICE AND LAMINATED CORE
(72) BLANCO TORRES, Alejandro	(21) EP14159174.3	MANUFACTURING METHOD
(31) 201400179	(47) 12.08.2020	(73) JFE Steel Corporation
(32) 07.03.2014	(22) 12.03.2014	(72) UESAKA, Masanori
(33) Spain	(54) High performance material for coiled	SENDA, Kunihiro
(51) B21B 1/088	tubing applications and the method of	ODA, Yoshihiko
C23C 28/00	producing the same	KAMITANI, Yoshihide
E01B 5/08	(73) Tenaris Coiled Tubes, LLC	SHIOIRI, Yasuhito
E01B 5/10	(72) Valdez, Martin	(31) 2015174725
E01B 7/00	Gomez, Gonzalo	(32) 04.09.2015
E01B 7/02	Mitre, Jorge	(33) Japan
E01B 7/04	Reichert, Bruce A.	(51) B21D 28/14
E01B 7/26	(31) 201361783701 P	B21D 28/16
E04C 3/29	201414190886	B21D 28/34
F16C 33/20	(32) 14.03.2013	B24B 3/60
(11) EP2753756	26.02.2014	(11) EP3515623
(21) EP12767051.1	(33) United States of America	(21) EP17772418.4
(47) 12.08.2020	United States of America	(47) 12.08.2020
(87) FR2012052013	(51) B21D 5/04	(87) EP2017074308
14.03.2013	B21D 53/88	29.03.2018
(22) 10.09.2012	(11) EP3478426	(22) 26.09.2017
(54) LUBRICATION-FREE RAILWAY	(21) EP17728543.4	(54) TOOL AND MACHINE TOOL AND
SHUNTING DEVICE	(47) 12.08.2020	METHOD FOR MACHINING PLANAR
(73) Vossloh Cogifer (Société Anonyme)	(87) EP2017063897	WORKPIECES
(72) BARRESI, Francesco	04.01.2018	(73) Trumpf Werkzeugmaschinen GmbH +
(31) 1157986	(22) 08.06.2017	Co. KG
(32) 08.09.2011	(54) METHOD FOR PRODUCING	(72) WILHELM, Markus
(33) France	TRIM STRIPS AND TRIM STRIPS	HANK, Rainer
(51) B21B 35/12	PRODUCED USING SAID METHOD	KLINKHAMMER, Marc
B21B 35/14	(73) Adval Tech Holding AG	SCHINDEWOLF, Leonard
F16D 3/18	(72) SCHNEIDER, Eckhard	OCKENFUSS, Simon
(11) EP2929948	(31) 8392016	KAPPES, Jens
(21) EP13860564.7	(32) 01.07.2016	TRÄNKLEIN, Dennis
(47) 12.08.2020	(33) Switzerland	TATARCZYK, Alexander
(87) JP2013080749	(51) B21D 26/08	NEUPERT, Jörg
12.06.2014	B21D 28/00	BITTO, Dominik
(22) 14.11.2013	B21D 28/28	MAATZ, Markus
(54) GEAR SPINDLE AND ROLLING MILL	F16K 5/20	JAKISCH, Christian
PROVIDED WITH SAME	F42D 3/00	(31) 102016118175
(73) Primetals Technologies Japan, Ltd.	(11) EP2345489	102016120141
(72) YAMAMOTO, Kenji	(21) EP11002453.6	(32) 26.09.2016
(31) 2012266901	(47) 12.08.2020	21.10.2016
(32) 06.12.2012	(22) 30.04.2009	(33) Germany
(33) Japan	(54) Explosion forming system	Germany
(51) B21C 23/08	(73) Magna International Inc.	(51) B21D 28/24
F28D 1/047	(72) Zak, Alexander	B21D 28/26
F28F 1/02	Kotagiri, Seetarama	B21D 37/08
(11) EP3223974	Horton, Frank A.	B21D 39/00
	(31) 49021 P	B21D 39/03

(11) EP3395467	(31) 201361790363 P	(11) EP3265252
(21) EP16879041.8	(32) 15.03.2013	(21) EP16709532.2
(47) 12.08.2020	(33) United States of America	(47) 12.08.2020
(87) JP2016088672	(51) B21D 53/04	(87) GB2016050579
29.06.2017	B23K 1/00	15.09.2016
(22) 26.12.2016	F28D 9/02	(22) 04.03.2016
(54) MACHINED ARTICLE AND PRESS- MACHINING METHOD	F28F 3/02	(54) RING ROLLING PROCESS AND APPARATUS FOR RING ROLLING
(73) Hoden Seimitsu Kako Kenkyusho Co., Ltd.	F28F 13/18	(73) Cambridge Enterprise Limited
(72) MURATA, Chikara	F28F 21/08	(72) ALLWOOD, Julian
(31) 2015251427	(11) EP2652426	CLEAVER, Christopher
(32) 24.12.2015	(21) EP11848166.2	(31) 201503825
(33) Japan	(47) 12.08.2020	(32) 06.03.2015
(51) B21D 41/04	(87) US2011064097	(33) United Kingdom
B21D 53/16	21.06.2012	
F16L 19/10	(22) 09.12.2011	(51) B21J 15/00
(11) EP2881640	(54) FABRICATION METHOD FOR MAKING BRAZED HEAT EXCHANGER WITH ENHANCED PARTING SHEETS	B21J 15/02
(21) EP13826387.6	(73) UOP LLC	B21J 15/28
(47) 12.08.2020	(72) GODRY, Thomas J.	(11) EP2922650
(87) JP2013063906	(31) 423334 P	(21) EP12888910.2
06.02.2014	201113309246	(47) 12.08.2020
(22) 20.05.2013	(32) 15.12.2010	(87) US2012000561
(54) FITTING, FERRULE, AND METHOD FOR MANUFACTURING FERRULE	01.12.2011	30.05.2014
(73) Ihara Science Corporation	(33) United States of America	(22) 26.11.2012
(72) FUKAYA, Shinji	United States of America	(54) SYSTEM FOR RIVET FASTENING
YAMAGUCHI, Osamu	(51) B21F 3/04	(73) Lemieux, David, L.
MURAKAWA, Tatsuya	H02K 3/04	(72) Lemieux, David, L.
(31) 2012169271	H02K 3/12	(51) B21J 15/02
(32) 31.07.2012	H02K 15/04	B21J 15/06
(33) Japan	(11) EP3240161	B21J 15/10
(51) B21D 43/02	(21) EP15872674.5	B21J 15/36
(11) EP2576095	(47) 12.08.2020	B21J 15/40
(21) EP11724185.1	(87) JP2015084090	(11) EP2969301
(47) 12.08.2020	30.06.2016	(21) EP14778462.3
(87) EP2011059248	(22) 04.12.2015	(47) 12.08.2020
05.01.2012	(54) COIL FORMING DEVICE AND COIL OF A ROTATING ELECTRIC DEVICE	(87) US2014025125
(22) 06.06.2011	(73) Hitachi Automotive Systems, Ltd.	09.10.2014
(54) APPARATUS FOR SHAPING A COMPONENT COMPRISING A PARTICULARLY SHEET-LIKE SEMIFINISHED PRODUCT	(72) GENMOTO, Takashi	(22) 12.03.2014
(73) ACO Severin Ahlmann GmbH & Co. KG	HIGUCHI, Teruaki	(54) END EFFECTOR
(72) MEINCKE, Arne	NAKAYAMA, Kenichi	(73) Honsa Ergonomic Technologies, Inc.
MEIER, Stephan	TAKAHOSHI, Hiroyuki	(72) HONSA, Thomas, W.
(31) 102010017253	FUKUDA, Tomohiro	BORCICKY, Richard
(32) 07.06.2010	(31) 2014263722	CASPER, Brett
(33) Germany	(32) 26.12.2014	(31) 201361777070 P
(51) B21D 51/26	(33) Japan	201361906268 P
B21D 51/38	(51) B21F 15/00	(32) 12.03.2013
B21D 51/44	F16L 33/01	19.11.2013
B30B 1/28	(11) EP3230640	(33) United States of America
(11) EP2969292	(21) EP15823629.9	United States of America
(21) EP14763889.4	(47) 12.08.2020	(51) B21J 15/02
(47) 12.08.2020	(87) FR2015053395	B21J 15/08
(87) US2014028400	16.06.2016	B23K 11/00
18.09.2014	(22) 09.12.2015	B23K 11/11
(22) 14.03.2014	(54) METHOD FOR MOUNTING A CONNECTING END PIECE OF A TUBULAR FLEXIBLE PIPE, AND DEVICE FOR IMPLEMENTING THE METHOD	B23K 11/20
(54) CONVERSION SYSTEM	(73) Technip France	(11) EP2900414
(73) Stolle Machinery Company, LLC	(72) COLMARD, Antoine	(21) EP13766083.3
(72) BUTCHER, Gregory, H.	PECKEU, Grégory	(47) 12.08.2020
CARSTENS, Aaron, E.	BOUVIER, Michael	(87) EP2013069752
MCCARTY, Patrick, K.	(31) 1402826	03.04.2014
DAVIDSON, Jason, A.	(32) 11.12.2014	(22) 23.09.2013
ZUMBERGER, Neil, A.	(33) France	(54) METHOD FOR CONNECTING COMPONENTS BY WAY OF A WELDING AUXILIARY JOINING PART
CARPER, Kenneth E.	(51) B21H 1/06	(73) Böllhoff Verbindungstechnik GmbH
BAUER, Russel		(72) DRAHT, Torsten
		HARTWIG-BIGLAU, Sergej
		(31) 102012018866
		(32) 25.09.2012
		(33) Germany

(51) B21K 1/76 B62D 3/12	(54) RISER TUBE ARRANGEMENT FOR DETECTING MOLTEN METAL LEVEL	H01H 11/04
(11) EP3481698	(73) StrikoWestofen GmbH	(11) EP3261104
(21) EP17735125.1	(72) WIEDERKEHR, Bettina	(21) EP17176557.1
(47) 12.08.2020	(31) 16194972	(47) 12.08.2020
(87) EP2017066621	(32) 21.10.2016	(22) 19.06.2017
11.01.2018	(33) European Patent Office (EPO)	(54) SINTERED ELECTRICAL CONTACT MATERIALS
(22) 04.07.2017	(51) B22D 25/02	(73) Teledyne Scientific & Imaging, LLC
(54) GEAR RACK AND METHOD FOR PRODUCING A GEAR RACK FOR A STEERING GEAR OF A MOTOR VEHICLE	C21D 8/00	(72) GANGULI, Rahul
(73) thyssenkrupp Presta AG	C21D 9/00	MINOOFAR, Payam
thyssenkrupp AG	C22C 33/04	CALABRESE, Michael
(72) BADER, Reinhard	C22C 38/00	(31) 201615189870
ECKSTEIN, Ralf	C22C 38/02	(32) 22.06.2016
MUSWEILER, Roland	C22C 38/04	(33) United States of America
(31) 102016212308	C22C 38/06	(51) B22F 3/10
(32) 06.07.2016	C22C 38/08	B22F 3/105
(33) Germany	C22C 38/12	B22F 5/04
(51) B22C 9/06	C22C 38/16	B22F 7/06
B22D 17/22	C22C 38/42	B23P 6/00
B29C 45/72	C22C 38/44	C30B 13/06
(11) EP3458209	C22C 38/46	C30B 13/24
(21) EP16831701.4	C22C 38/50	C30B 13/28
(47) 12.08.2020	E04C 3/04	C30B 29/00
(87) DE2016100524	E04C 3/06	C30B 29/52
11.05.2017	(11) EP3133181	C30B 29/60
(22) 04.11.2016	(21) EP15780168.9	B33Y 10/00
(54) METHOD AND DEVICE FOR OVERALL TEMPERATURE-CONTROL CLOSE TO THE MOULD CAVITY OF TEMPERATURE-CONTROLLED SHELL-TYPE MOULDS, USING INTERCOMMUNICATING MEDIA IN POLYHEDRAL SPACES	(47) 12.08.2020	(11) EP3202514
(73) Schmidt, Torsten	(87) JP2015061107	(21) EP17153923.2
Richter, Uwe	22.10.2015	(47) 12.08.2020
(72) RICHTER, Uwe	(22) 09.04.2015	(22) 31.01.2017
(31) 102015118901	(54) H-SECTION STEEL AND METHOD OF PRODUCING	(54) CONTROL OF SOLIDIFICATION IN LASER POWDER BED FUSION ADDITIVE MANUFACTURING USING A DIODE LASER FIBER ARRAY
(32) 04.11.2015	(73) Nippon Steel Corporation	(73) General Electric Company
(33) Germany	(72) MIZOGUCHI Masaki	(72) CARTER, William Thomas
(51) B22C 9/20	ICHIKAWA Kazutoshi	JONES, Marshall Gordon
B22D 5/04	MITSUYASU Kazuaki	YUAN, Lang
B22D 47/02	SUGIYAMA Hirokazu	ZHOU, Ning
(11) EP3414032	(31) 2014084017	DUCLOS, Steven Jude
(21) EP17751000.5	(32) 15.04.2014	(31) 201615014713
(47) 12.08.2020	(33) Japan	(32) 03.02.2016
(87) ZA2017050004	(51) B22F 1/00	(33) United States of America
17.08.2017	B22F 1/02	(51) B22F 3/105
(22) 16.01.2017	B22F 3/00	B22F 3/16
(54) METHOD OF MOULDING A SETTABLE MATERIAL	C22C 1/05	B23K 26/03
(73) McFarlane, James Andrew	C22C 45/00	B23K 103/02
(72) McFarlane, James Andrew	H01F 1/153	B23K 103/10
(31) 201600938	H01F 1/24	B23K 103/12
(32) 10.02.2016	H01F 27/255	B23K 103/14
(33) South Africa	H01F 41/02	B23K 26/00
(51) B22D 2/00	(11) EP3361482	B23K 26/04
B22D 39/06	(21) EP16853601.9	B23K 26/06
G01F 23/14	(47) 12.08.2020	B23K 26/064
(11) EP3528979	(87) JP2016079571	B23K 26/082
(21) EP17791011.4	13.04.2017	B23K 26/12
(47) 12.08.2020	(22) 05.10.2016	B23K 26/14
(87) EP2017076520	(54) POWDER MAGNETIC CORE MATERIAL, POWDER MAGNETIC CORE, AND METHOD FOR PRODUCING SAME	B23K 26/144
26.04.2018	(73) NTN Corporation	B23K 26/342
(22) 17.10.2017	(72) KAKO, Noritaka	B33Y 10/00
	OOHIRA, Kouya	B33Y 30/00
	(31) 2015198691	B33Y 50/02
	(32) 06.10.2015	B29C 67/00
	(33) Japan	(11) EP3127685
	(51) B22F 1/00	(21) EP15773604.2
	C22C 5/06	(47) 12.08.2020
	H01H 1/023	(87) JP2015058496
		08.10.2015

(22) 20.03.2015	(54) METHOD FOR THE GENERATIVE PRODUCTION OF A THREE-DIMENSIONAL COMPONENT	C22C 29/08
(54) THREE-DIMENSIONAL DEPOSITION DEVICE AND THREE-DIMENSIONAL DEPOSITION METHOD	(73) Linde GmbH	C22C 30/00
(73) Mitsubishi Heavy Industries, Ltd.	Airbus Defence and Space GmbH	C22C 38/42
(72) YOSHIMURA, Hitoshi	(72) Scholz, Jürgen	C22C 38/44
(31) 2014074058	Wiberg, Sören	C23C 4/04
(32) 31.03.2014	Foret, Pierre	C23C 4/06
(33) Japan	Hultstein, Eric	(11) EP2753722
(51) B22F 3/105	Bauer, Dominik	(21) EP12756700.6
B33Y 10/00	(31) 16020428	(47) 12.08.2020
B29C 64/153	(32) 02.11.2016	(87) EP2012067210
B29C 64/40	(33) European Patent Office (EPO)	14.03.2013
B33Y 70/00	(51) B22F 3/15	(22) 04.09.2012
(11) EP3482854	B22F 7/06	(54) CERMET POWDER
(21) EP18204322.4	B22F 7/08	(73) Höganäs Germany GmbH
(47) 12.08.2020	C22C 29/02	(72) ZIMMERMANN, Stefan
(22) 05.11.2018	C22C 29/08	GRIES, Benno
(54) METHOD FOR PRODUCING A SEMI-FINISHED PART AND A WORKPIECE	C22C 29/10	(31) 102011112435
(73) SLM Solutions Group AG	(11) EP3406374	201161531136 P
(72) Dr. Schwarze, Dieter	(21) EP17172708.4	(32) 06.09.2011
(31) 102017126537	(47) 12.08.2020	06.09.2011
(32) 13.11.2017	(22) 24.05.2017	(33) Germany
(33) Germany	(54) A METHOD OF MANUFACTURING A COMPONENT COMPRISING A BODY OF A CEMENTED CARBIDE AND A BODY OF A METAL ALLOY OR OF A METAL MATRIX COMPOSITE	United States of America
(51) B22F 3/105	(73) MTC Powder Solutions AB	(51) B23B 1/00
B33Y 50/02	(72) Berglund, Thomas	B23B 25/02
(11) EP3421158	Meurling, Fredrik	B23B 29/12
(21) EP18179677.2	Sundström, Johan	B23Q 15/007
(47) 12.08.2020	(51) B22F 3/16	B23Q 15/013
(22) 25.06.2018	B22F 5/08	B23Q 15/12
(54) THREE-DIMENSIONAL ELECTRON BEAM BASED ADDITIVE MANUFACTURING DEVICE	(11) EP1747077	(11) EP3199271
(73) JEOL LTD.	(21) EP05733182.9	(21) EP15843568.5
(72) YOSHINARI, Yohsuke	(47) 12.08.2020	(47) 12.08.2020
(31) 2017125911	(87) US2005011465	(87) JP2015076008
(32) 28.06.2017	27.10.2005	31.03.2016
(33) Japan	(22) 05.04.2005	(22) 14.09.2015
(51) B22F 3/105	(54) METHOD AND APPARATUS AND DIE FOR DENSIFYING HELICOIDAL POWDER GEARS	(54) MACHINE TOOL AND CONTROL DEVICE FOR MACHINE TOOL
B33Y 50/02	(73) PMG Indiana Corp.	(73) Citizen Watch Co., Ltd.
B29C 64/153	(72) TRASORRAS, Juan, R., L.	Citizen Machinery Co., Ltd.
B29C 64/268	RILEY, Eric, T.	(72) SANNOMIYA, Kazuhiko
B29C 64/393	(31) 821014	NAKAYA, Takaichi
(11) EP3463811	(32) 08.04.2004	(31) 2014192950
(21) EP17733741.7	(33) United States of America	(32) 22.09.2014
(47) 12.08.2020	(51) B22F 5/04	(33) Japan
(87) EP2017063360	B29C 70/08	(51) B23B 31/117
07.12.2017	F01D 5/28	B23Q 11/10
(22) 01.06.2017	(11) EP2843193	(11) EP2819799
(54) METHOD AND DEVICE FOR THE ADDITIVE MANUFACTURE OF COMPONENTS	(21) EP13181971.6	(21) EP13704054.9
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	(47) 12.08.2020	(47) 12.08.2020
(72) NOLL, Reinhard	(22) 28.08.2013	(87) EP2013052266
KÄMMERLING, Jann	(54) COMPOSITE BLADE MADE BY ADDITIVE MANUFACTURING AND CORRESPONDING MANUFACTURING PROCESS	06.09.2013
(31) 102016110266	(73) Safran Aero Boosters SA	(22) 06.02.2013
(32) 02.06.2016	(72) Perez, Rafael	(54) SHRINK-FIT CHUCK WITH TOOL COOLING
(33) Germany	(51) B22F 9/04	(73) Haimer GmbH
(51) B22F 3/105	B22F 9/08	(72) HAIMER, Franz
G01N 27/407	C22C 1/05	HAIMER, Josef
G01N 30/88	C22C 19/03	(31) 102012101672
(11) EP3318353	C22C 19/05	(32) 29.02.2012
(21) EP17020467.1	C22C 29/06	(33) Germany
(47) 12.08.2020		(51) B23C 5/10
(22) 12.10.2017		B23F 19/10
		B23F 21/00
		(11) EP3592491
		(21) EP18710044.1
		(47) 12.08.2020
		(87) EP2018055811
		13.09.2018
		(22) 08.03.2018

<p>(54) TOOL, MACHINE AND METHOD FOR CREATING RIDGE-LIKE SHARPENED POINTS ON TEETH OF A TOOTHED WHEEL HAVING INNER AND OUTER TEETH (73) Präwema Antriebstechnik GmbH (72) SCHIEKE, Jörg HOLDERBEIN, Walter (31) 102017105032 (32) 09.03.2017 (33) Germany <hr/>(51) B23D 45/04 B23D 59/00 B23Q 11/00 (11) EP3459666 (21) EP17020438.2 (47) 12.08.2020 (22) 22.09.2017 (54) SAW (73) Scheppach Fabrikation von Holzbearbeitungsmaschinen GmbH (72) Bindhammer, Markus <hr/>(51) B23F 5/22 B23F 15/00 B23F 21/16 F16H 55/08 (11) EP3148737 (21) EP14825565.6 (47) 12.08.2020 (87) US2014071899 03.12.2015 (22) 22.12.2014 (54) GEAR HOBGING CUTTER WITH NON-CONSTANT WHOLE DEPTHS (73) Eaton Corporation (72) SHEEN, Benjamin S. (31) 201462004536 P (32) 29.05.2014 (33) United States of America <hr/>(51) B23F 23/00 B23F 23/12 (11) EP2946865 (21) EP15164833.4 (47) 12.08.2020 (22) 23.04.2015 (54) METHOD FOR DETERMINING THE POSITION OF INVOLUTE GEARING IN GEAR TEETH (73) Liebherr-Verzahntechnik GmbH (72) Würfel, Robert (31) 102014007646 (32) 23.05.2014 (33) Germany <hr/>(51) B23F 23/00 G05B 19/4093 G05B 19/4097 (11) EP3118699 (21) EP16169744.6 (47) 12.08.2020 (22) 14.05.2016 (54) METHOD FOR PRODUCING A TOOTHED WORKPIECE WITH MODIFIED SURFACE GEOMETRY (73) Liebherr-Verzahntechnik GmbH (72) Würfel, Robert (31) 102015008956 (32) 10.07.2015</p>	<p>(33) Germany <hr/>(51) B23H 9/10 B23H 9/14 F01D 5/18 F01D 25/12 F02C 7/18 (11) EP2971539 (21) EP13866646.6 (47) 12.08.2020 (87) US2013073618 03.07.2014 (22) 06.12.2013 (54) METHOD OF NON-LINE OF SIGHT ELECTRO DISCHARGE MACHINING (73) United Technologies Corporation (72) KOONANKEIL, James M. PIETRASZKIEWICZ, Edward F. SCHACHTNER, Karl A. KLINEFELTER, Kevin J. FRITCH, Markus W. DALEY, Jason (31) 201213729286 (32) 28.12.2012 (33) United States of America <hr/>(51) B23K 1/005 B23K 26/14 (11) EP2542375 (21) EP11712609.4 (47) 12.08.2020 (87) FR2011050353 09.09.2011 (22) 21.02.2011 (54) METHOD AND DEVICE FOR LASER BRAZING STEEL PIECES, IN PARTICULAR SHEETS FOR A MOTOR VEHICULE BODY (73) PSA Automobiles SA (72) GELABERT ARRIETA, Ignacio AUGER, Patrice (31) 1051605 (32) 05.03.2010 (33) France <hr/>(51) B23K 9/04 B23K 9/173 B23K 9/24 B23K 35/02 B23K 35/36 B23K 35/368 B23K 35/40 B23K 101/06 B23K 103/04 (11) EP3386676 (21) EP16820441.0 (47) 12.08.2020 (87) US2016065717 15.06.2017 (22) 09.12.2016 (54) LOW-MANGANESE TUBULAR WELDING WIRE AND METHOD OF FORMING A WELD DEPOSIT (73) Hobart Brothers Company (72) BARHORST, Steven Edward AMATA, Mario Anthony FIORE, Susan Renata (31) 201562266381 P 201615359032 (32) 11.12.2015 22.11.2016</p>	<p>(33) United States of America United States of America <hr/>(51) B23K 9/09 B23K 9/10 (11) EP3337633 (21) EP16781883.0 (47) 12.08.2020 (87) US2016047155 23.02.2017 (22) 16.08.2016 (54) METHOD AND APPARATUS FOR PULSE WELDING (73) Illinois Tool Works Inc. (72) DAVIDSON, Robert SCHUH, Richard DURIK, Justin BUNKER, Thomas (31) 201562206795 P 201615237308 (32) 18.08.2015 15.08.2016 (33) United States of America United States of America <hr/>(51) B23K 9/167 B23K 9/173 B23K 9/18 B23K 9/23 B23K 35/30 B23K 101/06 B23K 101/10 B23K 103/04 C22C 19/05 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 38/52 C22C 38/54 C22C 38/58 (11) EP3437791 (21) EP17775581.6 (47) 12.08.2020 (87) JP2017013735 05.10.2017 (22) 31.03.2017 (54) WELDED STRUCTURAL MEMBER (73) Nippon Steel Corporation (72) SAGARA, Masayuki OSUKI, Takahiro KURIHARA, Shinnosuke (31) 2016072162 (32) 31.03.2016 (33) Japan <hr/>(51) B23K 11/04 B23K 13/01 C21D 6/00 C21D 9/40 C21D 9/50 C22C 38/02 C22C 38/04 C22C 38/18 C22C 38/22 C22C 38/24 (11) EP3546601</p>
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(21) EP19160691.2	08.10.2015	LASER BEAM INTO A WORKPIECE,
(47) 12.08.2020	(22) 27.03.2015	AND LASER MACHINING DEVICE
(22) 05.03.2019	(54) METHOD FOR PRODUCING METAL	(73) Precitec Optronik GmbH
(54) METHOD OF PRODUCING ENDLESS	LAMINATE MATERIAL	(72) SCHÖNLEBER, Martin
METAL RING	(73) Toyo Kohan Co., Ltd.	KOGEL-HOLLACHER, Markus
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(72) NANBU Kouji	BAUTZE, Thibault
(72) NISHIDA, Koji	KUROKAWA Teppei	FRAAS, Christian
(31) 2018068838	KOSHIRO Takashi	(31) 102013015656
(32) 30.03.2018	OKAYAMA Hironao	(32) 23.09.2013
(33) Japan	(31) 2014075586	(33) Germany
(51) B23K 11/11	(32) 01.04.2014	(51) B23K 26/067
B23K 11/16	(33) Japan	B23K 26/06
B23K 11/24	(51) B23K 20/10	B23K 26/38
B23K 101/18	B23K 20/22	(11) EP3110591
B23K 103/04	B23K 20/24	(21) EP15714020.3
(11) EP3020499	B23K 33/00	(47) 12.08.2020
(21) EP14823032.9	B23K 101/18	(87) IB2015051439
(47) 12.08.2020	B23K 103/04	03.09.2015
(87) JP2014067083	B23K 103/10	(22) 26.02.2015
15.01.2015	B29C 65/00	(54) LASER MACHINING DEVICE AND
(22) 26.06.2014	B29C 65/08	METHOD
(54) RESISTIVE SPOT WELDING METHOD	(11) EP3466595	(73) Bystronic Laser AG
(73) Nippon Steel Corporation	(21) EP18197209.2	(72) RATAJ, Thomas
(72) FUJIMOTO, Hiroki	(47) 12.08.2020	WITTWER, Stefan
OIKAWA, Hatsuhiko	(22) 27.09.2018	(31) 14156846
YAMANAKA, Shintaro	(54) METHOD OF JOINING THICK SHEETS	(32) 26.02.2014
(31) 2013145380	OF NON-WELDABLE MATERIAL USING	(33) European Patent Office (EPO)
(32) 11.07.2013	ULTRASONIC JOINING	(51) B23K 26/342
(33) Japan	(73) Spirit AeroSystems, Inc.	B29C 67/00
(51) B23K 11/11	(72) Misak, Heath Edward	(11) EP3202525
B23K 11/31	Toivonen, Paul R.	(21) EP16167723.2
B23K 11/36	(31) 201715717197	(47) 12.08.2020
H02P 29/60	201816059146	(22) 29.04.2016
(11) EP3041635	(32) 27.09.2017	(54) THREE-DIMENSIONAL OBJECT
(21) EP14842446.8	09.08.2018	GENERATING APPARATUS AND
(47) 12.08.2020	(33) United States of America	METHOD FOR CALIBRATING
(87) US2014054418	United States of America	THEREOF
12.03.2015	(51) B23K 20/12	(73) XYZprinting, Inc.
(22) 05.09.2014	(11) EP2502698	Kinpo Electronics, Inc.
(54) WELD HEAD	(21) EP09851448.2	(72) CHOU, Ching-Yuan
(73) AMADA MIYACHI AMERICA, INC.	(47) 12.08.2020	DING, Min-Hsiung
(72) CIELINSKI, David	(87) JP2009069583	(31) 201610072685
RODIGHIERO, Mark	26.05.2011	(32) 02.02.2016
GREEN, Matthew, A.	(22) 18.11.2009	(33) China
(31) 201361874952 P	(54) TWO-SURFACE FRICTION STIR	(51) B23K 37/02
(32) 06.09.2013	WELDING METHOD AND DEVICE,	(11) EP3277061
(33) United States of America	TOOL SET FOR TWO-SURFACE	(21) EP15887871.0
(51) B23K 20/00	FRICTION STIR	(47) 12.08.2020
B23K 20/02	(73) Primetals Technologies Japan, Ltd.	(87) KR2015009777
B23K 20/04	(72) KAGA Shinichi	06.10.2016
B23K 20/16	ONOSE Mitsuru	(22) 17.09.2015
B23K 20/227	TOMINAGA Noriaki	(54) PLASMA TORCH WITH STRUCTURE
B23K 20/24	SAITO Takehiko	CAPABLE OF REVERSED POLARITY/
B23K 35/02	YOSHIMURA Yasutsugu	STRAIGHT POLARITY OPERATION
B23K 103/02	HIRANO Satoshi	(73) Korea Hydro & Nuclear Power Co., Ltd
B23K 103/04	PARK Seung Hwan	(72) SHIN, Sang-Woon
B23K 103/08	(51) B23K 26/03	KIM, Cheon-Woo
B23K 103/10	G01B 9/02	CHO, Hyun-Je
B23K 103/14	G01B 11/22	HWANG, Young-Hwan
B23K 103/16	B23K 26/046	HWANG, Seokju
B23K 103/18	(11) EP3049755	(31) 20150043103
B23K 103/20	(21) EP14766909.7	(32) 27.03.2015
B32B 15/01	(47) 12.08.2020	(33) Korea (Republic)
H01J 37/34	(87) EP2014002483	(51) B23K 101/16
(11) EP3127647	26.03.2015	B23K 101/18
(21) EP15772918.7	(22) 13.09.2014	B23K 26/08
(47) 12.08.2020	(54) METHOD FOR MEASURING THE	B23K 26/38
(87) JP2015059593	DEPTH OF PENETRATION OF A	B23K 26/70



(11) EP3478444	MAMMOLITI, Fabrizio	(72) GEIBLER, Alfred
(21) EP17734305.0	CATASTINI, Riccardo	JUNG, Robert
(47) 12.08.2020	(31) CO20120040	RINDERLE, Martin
(87) EP2017066242	(32) 07.09.2012	(31) 102016201018
04.01.2018	(33) Italy	(32) 25.01.2016
(22) 30.06.2017	(51) B23P 6/04	(33) Germany
(54) LASER CUTTING MACHINE FOR THE	F01D 5/00	(51) B23Q 11/04
WORKING OF MATERIAL PRESENTED	F01D 5/28	B24B 23/02
IN SHEET AND/OR REEL FORM	F01D 25/28	B25F 5/00
(73) Interver Management S.A.	(11) EP2952679	H02H 7/093
(72) VANDEVELDE, Pierre	(21) EP15170353.5	H02P 29/10
(31) 93134	(47) 12.08.2020	(11) EP3391491
(32) 30.06.2016	(22) 02.06.2015	(21) EP16876553.5
(33) Luxembourg	(54) SYSTEM AND METHOD FOR PRE-	(47) 12.08.2020
(51) B23P 6/00	STRESSING BLADES	(87) US2016066594
F01D 5/00	(73) United Technologies Corporation	22.06.2017
B23K 26/34	(72) ROCHE, Charles H.	(22) 14.12.2016
(11) EP3237143	(31) 201462007252 P	(54) OVERLOAD DETECTION IN A POWER
(21) EP15823692.7	(32) 03.06.2014	TOOL
(47) 12.08.2020	(33) United States of America	(73) Milwaukee Electric Tool Corporation
(87) FR2015053658	(51) B23P 21/00	(72) SELFORS, David H.
30.06.2016	B23Q 7/03	TRUMP, Brian
(22) 18.12.2015	H01H 11/00	(31) 201562267098 P
(54) METHOD OF MANUFACTURING A	H01R 13/24	(32) 14.12.2015
TURBINE COMPONENT	H01R 43/16	(33) United States of America
(73) Safran Aircraft Engines	H01R 43/20	(51) B23Q 11/10
(72) MOTTIN, Jean-Baptiste	H05K 13/04	C23C 30/00
(31) 1463266	(11) EP3258552	(11) EP3519609
(32) 23.12.2014	(21) EP17176006.9	(21) EP17777825.5
(33) France	(47) 12.08.2020	(47) 12.08.2020
(51) B23P 6/00	(22) 14.06.2017	(87) EP2017073893
F01D 5/00	(54) DEVICE FOR PRODUCING A	05.04.2018
F01D 5/30	COMPONENT FROM AT LEAST	(22) 21.09.2017
F01D 9/00	TWO COMPONENTS IN MASS	(54) METHOD OF MACHINING TI, TI-
F01D 25/00	PRODUCTION	ALLOYS AND NI-BASED ALLOYS
F01D 25/28	(73) Otto Bihler Handels-Beteiligungs-GmbH	(73) Sandvik Intellectual Property AB
(11) EP3510255	(72) Bihler, Mathias	(72) SADIK, Ibrahim
(21) EP17768699.5	(31) 102016210877	GARCIA, José, Luis
(47) 12.08.2020	(32) 17.06.2016	(31) 16191764
(87) EP2017072052	(33) Germany	(32) 30.09.2016
15.03.2018	(51) B23Q 3/00	(33) European Patent Office (EPO)
(22) 04.09.2017	B23Q 11/00	(51) B23Q 15/24
(54) METHOD FOR CLEAR POSITION	B23Q 11/10	B65G 54/02
DETERMINATION AND	B25B 1/24	G05B 19/19
IDENTIFICATION OF A TURBINE	B25B 5/00	(11) EP3341157
BLADE	(11) EP2844430	(21) EP16797846.9
(73) Lufthansa Technik AG	(21) EP13785109.3	(47) 12.08.2020
(72) ZIPPEL, Tim Frederik	(47) 12.08.2020	(87) EP2016077738
(31) 102016216895	(87) NZ2013000063	01.06.2017
(32) 06.09.2016	07.11.2013	(22) 15.11.2016
(33) Germany	(22) 12.04.2013	(54) METHOD FOR MOVING A ROTOR,
(51) B23P 6/00	(54) CLAMP FOOT AIR JET APPARATUS	LINEAR DRIVE, AND PRODUCTION OR
F01D 25/24	(73) Eigen Systems Limited	PACKAGING MACHINE
B23K 26/34	(72) FORLONG, Murray Houlton	(73) Siemens Aktiengesellschaft
(11) EP2892685	(31) 59967812	(72) JÄNTSCH, Michael
(21) EP13756478.7	(32) 30.04.2012	SPINDLER, Carsten
(47) 12.08.2020	(33) New Zealand	(31) 15196047
(87) EP2013068162	(51) B23Q 3/157	15196041
13.03.2014	B23Q 7/04	15196077
(22) 03.09.2013	B23Q 39/02	16161436
(54) A METHOD FOR REPAIRING A	(11) EP3195977	16161437
TURBOMACHINE COMPONENT	(21) EP17152411.9	16161433
(73) Nuovo Pignone S.r.l.	(47) 12.08.2020	(32) 24.11.2015
(72) ANDOLFI, Alessio	(22) 20.01.2017	24.11.2015
PINESCHI, Federico	(54) MACHINE TOOL, IN PARTICULAR	24.11.2015
VITALE, Giovanni	MULTIPLE SPINDLE MILLING	21.03.2016
GIORNI, Eugenio	MACHINE	21.03.2016
PAOLUCCI, Attilio	(73) DECKEL MAHO Pfronten GmbH	21.03.2016

(33) European Patent Office (EPO)	(11) EP2326461	Schmid, Stefan
European Patent Office (EPO)	(21) EP09774148.2	(51) B25F 5/00
European Patent Office (EPO)	(47) 12.08.2020	(11) EP3213878
European Patent Office (EPO)	(87) US2009048646	(21) EP15854804.0
European Patent Office (EPO)	07.01.2010	(47) 12.08.2020
European Patent Office (EPO)	(22) 25.06.2009	(87) JP2015077481
(51) B24B 7/18	(54) SANDPAPER WITH NON-SLIP	06.05.2016
B24B 23/02	COATING LAYER	(22) 29.09.2015
B24B 55/05	(73) 3M Innovative Properties Company	(54) ELECTRIC WORK MACHINE
B24B 55/10	(72) PETERSEN, John, G.	(73) Koki Holdings Co., Ltd.
(11) EP3042738	(31) 76821 P	(72) MATSUSHITA, Akira
(21) EP15202098.8	484605	NISHIKAWA, Tomomasa
(47) 12.08.2020	(32) 30.06.2008	NOGUCHI, Yuta
(22) 22.12.2015	15.06.2009	KANBE, Kuniaki
(54) LONG NECK GRINDER WITH DUST	(33) United States of America	YAMAZAKI, Shingo
PROTECTION DEVICE	United States of America	(31) 2014223404
(73) Metabowerke GmbH	(51) B25B 11/00	(32) 31.10.2014
(72) Rohde, Alexander	B65G 21/20	(33) Japan
Nyber, Oliver	(11) EP3509794	(51) B25J 9/04
(31) 102015100118	(21) EP17768932.0	B25J 9/10
(32) 07.01.2015	(47) 12.08.2020	B25J 11/00
(33) Germany	(87) US2017050592	B25J 13/00
(51) B24C 1/04	15.03.2018	B25J 13/08
B32B 3/12	(22) 08.09.2017	B25J 19/02
B32B 3/26	(54) VACUUM HOLDER AND CARRIER	(11) EP3365143
B32B 7/12	WITH AUTONOMOUS VACUUM	(21) EP16858265.8
B64D 33/02	(73) The Procter & Gamble Company	(47) 12.08.2020
G03F 7/00	(72) LYMAN, Christopher, Robert	(87) US2016058039
G10K 11/172	LEVANDOSKI, Mark	27.04.2017
(11) EP3383742	GRANITZ, Michael	(22) 21.10.2016
(21) EP16804846.0	ORNDORFF, Jason, Matthew	(54) ROBOT AND ROBOT CONTROL
(47) 12.08.2020	(31) 201662385324 P	SYSTEM
(87) GB2016053624	(32) 09.09.2016	(73) Yamaha Hatsudoki Kabushiki Kaisha
08.06.2017	(33) United States of America	(72) LOW, Thomas
(22) 22.11.2016	(51) B25B 13/46	DE CANDIA, Thomas
(54) METHOD FOR MANUFACTURING	(11) EP3552764	YUN, Seungkook
NOISE ATTENUATING DEVICES	(21) EP18166631.4	EGAN, Thomas
(73) Short Brothers Plc	(47) 12.08.2020	CHAVEZ, Bryan
(72) SIMPSON, Derek	(22) 10.04.2018	KERNBAUM, Alexander
MILLAR, Tony	(54) REVERSIBLE WRENCH	SHEAR, Riley
(31) 201521075	(73) Huang, Cheng-Cheng	GERARD, Leonard
(32) 30.11.2015	(72) Huang, Cheng-Cheng	MORFEY, Stephen
(33) United Kingdom	(51) B25B 27/30	MAHONEY, Richard
(51) B24C 5/02	E05D 13/00	VINCENT, Regis
B24C 7/00	(11) EP3568264	BIRKMEYER, Paul
(11) EP3532245	(21) EP18701674.6	MORITA, Hiroyuki
(21) EP17787120.9	(47) 12.08.2020	MURAMATSU, Hirokatsu
(47) 12.08.2020	(87) EP2018050521	NISHIMURA, Keiji
(87) EP2017075117	19.07.2018	SAIJOU, Hiroshi
03.05.2018	(22) 10.01.2018	SATOU, Akira
(22) 04.10.2017	(54) TENSIONING DEVICE FOR	UCHIYAMA, Toshifumi
(54) DEVICE FOR ABRASIVE FLUID-JET	TENSIONING A HELICAL SPRING	WATANABE, Hitoshi
CUTTING	(73) Gruner, Andreas Heiko	WATANABE, Shirou
(73) Robert Bosch GmbH	(72) Gruner, Andreas Heiko	(31) 201562245564 P
(72) FEUCHT, Guenter	(31) 102017100581	201562248445 P
KULHAVY, Felix	(32) 13.01.2017	(32) 23.10.2015
IBEN, Uwe	(33) Germany	30.10.2015
GOOSS, Nicolas	(51) B25D 11/12	(33) United States of America
KROACK, Peter	B25D 17/00	United States of America
OBERWEIN, Florian	B25F 5/00	(51) B25J 9/10
PAAL, Valentin	B25F 5/02	B25J 9/16
SCHUETZENBERGER, Raymond	(11) EP2873488	B25J 15/00
(31) 102016220926	(21) EP13192765.9	G01B 5/012
(32) 25.10.2016	(47) 12.08.2020	G01B 5/14
(33) Germany	(22) 13.11.2013	G01N 35/00
(51) B24D 11/00	(54) Manual tool machine	G01N 35/04
B24D 11/02	(73) HILTI Aktiengesellschaft	G01N 35/10
B24D 11/08	(72) Liebert, Bernhard	G01P 21/00

G05B 19/401	(72) ZANELLA, Alessandro	(73) Bizerba SE & Co. KG
(11) EP3484676	ZOPPI, Matteo	(72) Steinhilber, Ralf
(21) EP17828168.9	ORZELLI, Francesco	Klingler, Holger
(47) 12.08.2020	PIETRONAVE, Giorgio	Seemann, Rainer
(87) US2017039580		Müller, Markus
18.01.2018	(51) B26B 19/00	Kirn, Mirjam
(22) 27.06.2017	B26B 19/04	(31) 15203276
(54) METHODS AND APPARATUS	B26B 19/14	(32) 31.12.2015
TO CALIBRATE A POSITIONAL	(11) EP2933072	(33) European Patent Office (EPO)
ORIENTATION BETWEEN A ROBOT	(21) EP13863410.0	
GRIPPER AND A COMPONENT	(47) 12.08.2020	(51) B26D 3/16
(73) Siemens Healthcare Diagnostics Inc.	(87) JP2013007119	B26D 7/10
(72) POLLACK, Benjamin S.	19.06.2014	(11) EP3525996
POLLACK, Steven	(22) 04.12.2013	(21) EP17794070.7
(31) 201662362529 P	(54) ELECTRIC SHAVER	(47) 12.08.2020
(32) 14.07.2016	(73) Panasonic Intellectual Property	(87) IB2017056079
(33) United States of America	Management Co., Ltd.	26.04.2018
(51) B25J 9/16	(72) NARITA, Kenji	(22) 03.10.2017
(11) EP3218151	TATSUTA, Shigeru	(54) METHOD AND APPARATUS FOR
(21) EP15797030.2	SAKON, Shigetoshi	CUTTING A PIPE MADE FROM
(47) 12.08.2020	NAKAYAMA, Satoshi	THERMOPLASTIC MATERIAL
(87) EP2015075860	(31) 2012272028	(73) SICA S.P.A.
19.05.2016	(32) 13.12.2012	(72) TABANELLI, Giorgio
(22) 05.11.2015	(33) Japan	MARCO, Gulminelli
(54) METHOD FOR WEAVING WELDING	(51) B26B 19/38	LORENZO, Spagna
(73) KUKA Deutschland GmbH	(11) EP3558604	(31) 201600104006
(72) DZIERZEGA, Christoph	(21) EP18715892.8	(32) 17.10.2016
WIEDENMANN, Martin	(47) 12.08.2020	(33) Italy
(31) 102014223203	(87) EP2018057587	(51) B26D 5/00
(32) 13.11.2014	04.10.2018	B26F 1/02
(33) Germany	(22) 26.03.2018	B26F 1/44
(51) B25J 9/16	(54) SYSTEM, APPLIANCE AND METHOD	B31F 1/07
B25J 9/20	FOR AUTOMATED HAIR PROCESSING	(11) EP3153286
B25J 15/02	PROCEDURES	(21) EP15020182.0
F15B 15/28	(73) Koninklijke Philips N.V.	(47) 12.08.2020
(11) EP3614000	(72) ZANDSTEEG, Cornelis Johannes	(22) 09.10.2015
(21) EP18190779.1	SALVERDA, Lolke Klaas	(54) PROCESSING WORKPIECES WITH
(47) 12.08.2020	DE VRIES, Roderik	DIES BEING LEVEL COMPENSATED
(22) 24.08.2018	DARWINKEL, Geert-Jan	WITH A COMPENSATION ELEMENT
(54) METHOD AND DEVICE FOR	(31) 17163307	(73) BOBST MEX SA
AUTOMATICALLY DETERMINING THE	(32) 28.03.2017	(72) ANDREE, Bernd
POSITION OF GRIPPERS	(33) European Patent Office (EPO)	
(73) SICK AG	(51) B26B 21/40	(51) B26D 5/00
(72) Bludau, Thomas	B26B 21/52	B29C 70/54
(51) B25J 9/16	(11) EP3230021	G05B 19/418
G05B 19/423	(21) EP14811854.0	(11) EP3520974
(11) EP3370925	(47) 12.08.2020	(21) EP19154863.5
(21) EP16787813.1	(87) EP2014077243	(47) 12.08.2020
(47) 12.08.2020	16.06.2016	(22) 31.01.2019
(87) EP2016075674	(22) 10.12.2014	(54) TAPE SECTIONING SYSTEM AND
11.05.2017	(54) SHAVING BLADE ASSEMBLY	METHOD OF SECTIONING TAPE
(22) 25.10.2016	COMPRISING A BLADE UNIT AND	(73) Airborne International B.V.
(54) ROBOT WITH CONTROL SYSTEM	A SKIN CONTACT MEMBER AND	(72) Muilwijk, Mark
FOR DISCRETE MANUAL INPUT OF	A RAZOR COMPRISING A RAZOR	van Overbeek, Thomas Theodorus
POSITIONS AND/OR POSES	HANDLE AND SUCH A SHAVING	Arnoldus
(73) Franka Emika GmbH	BLADE ASSEMBLY	Brødsjø, Anders
(72) HADDADIN, Sami	(73) BIC-Violex S.A.	(31) 2020361
(31) 102015118918	(72) BOZIKIS, Ioannis	(32) 31.01.2018
(32) 04.11.2015	KOPELAS, Panagiotis	(33) Netherlands
(33) Germany		
(51) B25J 15/00	(51) B26D 1/143	(51) B26D 5/02
B25J 15/06	B26D 5/24	B26D 5/24
(11) EP3578323	B26D 7/30	B26D 7/28
(21) EP18176123.0	B26D 7/32	B27B 1/00
(47) 12.08.2020	(11) EP3187317	B27B 5/04
(22) 05.06.2018	(21) EP16206876.1	B27B 5/065
(54) A SUCTION-TYPE GRIPPING DEVICE	(47) 12.08.2020	B27B 5/18
(73) C.R.F. Società Consortile per Azioni	(22) 23.12.2016	B27B 31/02
	(54) CUTTING MACHINE WITH WEIGHING	(11) EP3277469
	DEVICE	(21) EP16774235.2
		(47) 12.08.2020

(87) US2016025350 06.10.2016	MIKOSHIBA, Takao	(87) EP2014064965 22.01.2015
(22) 31.03.2016	(31) 2015219216 2016128525	(22) 11.07.2014
(54) PRECUT PROCESSING OF LOGS	(32) 09.11.2015	(54) METHOD FOR PRODUCING A PRECAST CONCRETE SEGMENT OF A WIND TURBINE TOWER, AND A PRECAST CONCRETE TOWER SEGMENT FORMWORK
(73) USNR, LLC	29.06.2016	(73) Wobben Properties GmbH
(72) BLOMQUIST, Christopher	(33) Japan	(72) PEIXOTO, Carlos
(31) 201562141062 P	Japan	(31) 102013213976
(32) 31.03.2015	(51) B28B 1/30	(32) 17.07.2013
(33) United States of America	B29C 41/08	(33) Germany
(51) B26D 7/01	B29C 41/22	(51) B28D 1/22
B26D 7/18	C04B 35/52	(11) EP2915644
B26D 7/26	(11) EP3186054	(21) EP15157081.9
B26F 1/00	(21) EP15835356.5	(47) 12.08.2020
B26F 1/44	(47) 12.08.2020	(22) 02.03.2015
B41F 19/00	(87) US2015050862	(54) Tile cutter with a support frame comprising a base support
B65H 20/12	03.03.2016	(73) wolcraft GmbH
(11) EP3380284	(22) 18.09.2015	(72) Moog, Christopher
(21) EP16801750.7	(54) PROCESS FOR MAKING CARBON ARTICLES BY THREE DIMENSIONAL PRINTING	(31) 102014102965
(47) 12.08.2020	(73) The Exone Company	(32) 06.03.2014
(87) EP2016078594	(72) BLACKER, Jesse, M.	(33) Germany
01.06.2017	PLUCINSKI, Janusz	(51) B29B 7/90
(22) 23.11.2016	(51) B28B 3/12	B29B 9/14
(54) DEVICE AND METHOD FOR PROCESSING OF SUBSTRATES	B28B 21/52	B29C 43/34
(73) Koenig & Bauer AG	C04B 35/01	B29K 101/12
(72) BORMANN, Gunar	C04B 35/111	B29K 105/12
NAUMANN, Johannes	C04B 35/14	C08K 7/02
(31) 102015223105	C04B 35/46	C08L 101/00
102015223106	C04B 35/462	(11) EP3427913
102016209337	C04B 35/486	(21) EP17763349.2
(32) 23.11.2015	C04B 35/565	(47) 12.08.2020
23.11.2015	C04B 35/58	(87) JP2017009353
30.05.2016	C04B 35/581	14.09.2017
(33) Germany	C04B 35/584	(22) 09.03.2017
Germany	C04B 35/622	(54) RESIN-IMPREGNATED FIBER BUNDLE, COMPRESSION MOLDED ARTICLE AND METHOD FOR PRODUCING SAME
Germany	C04B 35/626	(73) Daicel Polymer Ltd.
(51) B27M 3/00	C04B 35/634	(72) KOSAKA, Shigeyuki
(11) EP3542981	C04B 35/636	SHIBATA, Satoru
(21) EP19163807.1	C04B 38/00	(31) 2016048232
(47) 12.08.2020	(11) EP2847143	2016074008
(22) 19.03.2019	(21) EP13787290.9	(32) 11.03.2016
(54) PRESS FOR PRESSING AND GLUING WOODEN LAMELLAS AND THE METHOD OF THEIR PRESSING	(47) 12.08.2020	01.04.2016
(73) Ledinek, Gregor	(87) NO2013050087	(33) Japan
(72) Ledinek, Gregor	14.11.2013	Japan
(31) 201800066	(22) 10.05.2013	(51) B29B 9/06
(32) 22.03.2018	(54) METHOD FOR THE FABRICATION OF GREEN CERAMIC TAPES	C08F 255/02
(33) Slovenia	(73) Keranor AS	C08F 279/04
(51) B27N 1/02	(72) THORSTENSEN, Bernt	C08F 283/04
B27N 3/02	LE GALL, Maelenn	C08F 287/00
B27N 3/04	(31) 20120551	C08G 18/08
B27N 3/08	(32) 11.05.2012	C08G 18/32
B27N 3/12	(33) Norway	C08G 18/42
B27N 3/18	(51) B28B 11/00	C08G 18/48
D04H 1/60	B28B 11/04	C08G 18/66
D21F 9/00	(11) EP3421203	C08G 18/69
(11) EP3375924	(21) EP18180198.6	C08G 18/73
(21) EP16864154.6	(47) 12.08.2020	C08G 18/75
(47) 12.08.2020	(22) 27.06.2018	C08G 18/76
(87) JP2016082933	(54) METHOD AND DEVICE FOR THE PREPARATION OF A GLAZE	C08G 18/83
18.05.2017	(73) Air Power Group S.p.A.	C08L 51/08
(22) 07.11.2016	(72) Malavasi, Paolo	C08L 55/02
(54) SHEET MANUFACTURING APPARATUSES AND SHEET MANUFACTURING METHODS	(51) B28B 23/00	
(73) Seiko Epson Corporation	(11) EP3022026	
(72) NAGAI, Yoshiyuki	(21) EP14739796.2	
	(47) 12.08.2020	

C08L 63/00	(54) MANUFACTURING UNIT FOR THE	LEE, Soo Jin
C08L 75/04	PRODUCTION OF MOLDED FOAM	AHN, Taebin
C08L 75/06	PARTS AND MANUFACTURING	(31) 20170000753
(11) EP3549983	SYSTEM WITH AT LEAST ONE OF	(32) 03.01.2017
(21) EP17892533.5	SUCH MANUFACTURING UNIT	(33) Korea (Republic)
(47) 12.08.2020	(73) Josef Weischer GmbH & Co. KG	(51) B29C 33/48
(87) CN2017074659	(72) Hune, Rupert	B29C 45/14
26.07.2018	Teepe, Uwe	A63H 1/00
(22) 24.02.2017	(31) 202017101352 U	(11) EP3566846
(54) PROCESS FOR MANUFACTURING	(32) 09.03.2017	(21) EP19151422.3
TPU ALLOY MATERIAL BY IN-SITU	(33) Germany	(47) 12.08.2020
COMPATIBILIZATION	(51) B29C 33/00	(22) 11.01.2019
(73) Miracl Chemicals Co., Ltd.	B29C 39/02	(54) METHOD OF MANUFACTURING A
(72) ZHAN, Zhensheng	B29D 11/00	MODEL CAR BODY
SONG, Hongwei	(11) EP2666621	(73) Gateway Autoart Limited
ZHAO, Qingbo	(21) EP13169265.9	Gateway Autoart Japan Corporation
ZHANG, Sheng	(47) 12.08.2020	(72) KWAN, Kelvin Yuet-Ming
REN, Guanglei	(22) 24.05.2013	(31) 201810425902
(31) 201710058676	(54) MOLD ASSEMBLY FOR FORMING	(32) 07.05.2018
(32) 23.01.2017	OPHTHALMIC LENSES	(33) China
(33) China	(73) Johnson & Johnson Vision Care, Inc.	(51) B29C 35/08
(51) B29B 11/10	(72) Kattenhenry, David A.	B29C 35/10
B29B 11/14	Damodharan, Radhakrishnan	B29C 71/02
B29C 49/00	Perez, Jose L.	H01B 12/02
B29C 49/08	Jubin, Philippe	H04B 3/00
B29C 49/22	Cluterbuck, Timothy A.	(11) EP2556594
B29C 49/48	Gerligand, Pierre-Yves	(21) EP11766707.1
B65D 1/00	(31) 201213480780	(47) 12.08.2020
(11) EP3225378	(32) 25.05.2012	(87) US2011031530
(21) EP15862934.5	(33) United States of America	13.10.2011
(47) 12.08.2020	(51) B29C 33/30	(22) 07.04.2011
(87) JP2015005145	B29C 70/44	(54) APPARATUS FOR CURING THIN FILMS
02.06.2016	B29C 70/54	ON A MOVING SUBSTRATE
(22) 09.10.2015	B29L 31/08	(73) NCC Nano, LLC
(54) PREFORM FOR BIAxIAL STRETCHING	F03D 1/06	(72) JACKSON, Douglas, K.
BLOW MOLDING, AND CONTAINER	B29D 99/00	SCHRODER, Kurt, A.
(73) Discma AG	(11) EP3471949	MCCOOL, Steven, C.
(72) TOYODA, Tamotsu	(21) EP17731467.1	(31) 321910 P
SASAKI, Masaaki	(47) 12.08.2020	(32) 08.04.2010
TABATA, Shinichi	(87) DK2017050193	(33) United States of America
(31) 2014242120	21.12.2017	(51) B29C 41/18
(32) 28.11.2014	(22) 13.06.2017	B32B 5/18
(33) Japan	(54) METHOD AND APPARATUS FOR	B32B 27/30
(51) B29B 11/16	MAKING A SHEAR WEB	B32B 27/40
B29C 70/48	(73) Vestas Wind Systems A/S	C08L 27/06
B29C 70/54	(72) BOON, Christopher	C08L 83/04
(11) EP3348371	DAVIS, Olav	(11) EP3266826
(21) EP15903584.9	(31) 201670431	(21) EP16758655.1
(47) 12.08.2020	(32) 15.06.2016	(47) 12.08.2020
(87) JP2015075648	(33) Denmark	(87) JP2016001210
16.03.2017	(51) B29C 33/42	09.09.2016
(22) 09.09.2015	B29C 39/26	(22) 04.03.2016
(54) COMPOSITE MATERIAL PRODUCTION	C08F 2/38	(54) VINYL CHLORIDE RESIN
METHOD, COMPOSITE MATERIAL	C08F 2/44	COMPOSITION FOR POWDER
PRODUCTION DEVICE, AND	C08J 3/12	MOLDING, VINYL CHLORIDE RESIN
PREFORM FOR COMPOSITE	(11) EP3492515	MOLDED BODY AND LAMINATE
MATERIAL	(21) EP17889673.4	(73) Zeon Corporation
(73) Nissan Motor Co., Ltd.	(47) 12.08.2020	(72) NISHIMURA, Shota
(72) KURODA, Shinichi	(87) KR2017014151	(31) 2015043146
(51) B29C 31/00	12.07.2018	(32) 05.03.2015
B29C 33/30	(22) 05.12.2017	(33) Japan
B29C 33/34	(54) METHOD FOR MANUFACTURING	(51) B29C 43/00
B29C 33/40	RESIN PARTICLES	B29C 43/24
B29C 44/58	(73) LG Chem, Ltd.	B29C 55/12
(11) EP3372369	(72) HER, Eun Kyu	B29C 67/20
(21) EP18155812.3	HAN, Chang Sun	B29K 23/00
(47) 12.08.2020	SHIN, Bu Gon	B29K 105/04
(22) 08.02.2018	PARK, Jeong Ho	B29L 31/00

C08J 5/18	(11) EP3263637	Mønsted, Anders
C08J 9/00	(21) EP19152228.3	(51) B29C 53/26
C08J 9/24	(47) 12.08.2020	B29C 55/02
C08L 23/04	(22) 17.01.2019	B32B 5/08
(11) EP3263637	(54) INSTALLATION SOCKET IN FORM OF	B32B 25/10
(21) EP17181534.3	CAVITY WALL SOCKET	B32B 37/20
(47) 12.08.2020	(73) OBO Bettermann Hungary Kft.	B32B 41/00
(22) 30.01.2014	(72) Faust, Fabian	(11) EP3291964
(54) METHOD FOR PRODUCING	Harms, Heiko	(21) EP16783865.5
POROUS ARTICLES FROM ULTRA	Ludwig, Henrik	(47) 12.08.2020
HIGH MOLECULAR WEIGHT	(31) 202018100433 U	(87) US2016028673
POLYETHYLENE	(32) 26.01.2018	27.10.2016
(73) W. L. Gore & Associates, Inc.	(33) Germany	(22) 21.04.2016
(72) SBRIGLIA, Guy	(51) B29C 45/16	(54) MANUFACTURING PROCESS FOR
(31) 201361758617 P	B29C 45/28	ELASTOMERIC LAMINATE
(32) 30.01.2013	B65D 35/12	(73) First Quality Baby Products, LLC
(33) United States of America	(11) EP3308933	(72) DOYLE, Jeremy A.
(51) B29C 44/34	(21) EP17202178.4	KELLEY, Richard Eugene Jr.
B29C 44/42	(47) 12.08.2020	CAPPELLINI, Pierluigi
B29C 45/00	(22) 17.09.2013	(31) 201562150505 P
B29C 45/17	(54) DEVICE AND METHOD FOR	(32) 21.04.2015
B29C 45/50	MANUFACTURING A TUBE HEAD	(33) United States of America
B29C 45/54	(73) Alpa-Werke Alwin Lehner GmbH und Co.	(51) B29C 53/60
B29K 67/00	KG	(11) EP3323592
B29K 105/04	(72) Krammer, Christian	(21) EP17001880.8
B29L 31/00	(31) 16962012	(47) 12.08.2020
(11) EP2962829	(32) 19.09.2012	(22) 16.11.2017
(21) EP14756937.0	(33) Switzerland	(54) METHOD OF PRODUCING A TANK
(47) 12.08.2020	(51) B29C 45/17	FOR RECEIVING, STORAGE AND
(87) JP2014000876	B29C 45/80	TRANSPORT OF IN PARTICULAR
04.09.2014	(11) EP3210744	FRESH WATER, THE TANK ITSELF
(22) 20.02.2014	(21) EP17157877.6	AND ITS USE, IN PARTICULAR IN
(54) METHOD FOR MANUFACTURING	(47) 12.08.2020	AEROPLANES
FOAMABLE INJECTION MOLDING AND	(22) 24.02.2017	(73) MT Aerospace AG
INJECTION DEVICE THEREFOR	(54) INJECTION MOLDING MACHINE	(72) Steining, Hans J.
(73) Toyo Seikan Group Holdings, Ltd.	(73) Sumitomo Heavy Industries, Ltd.	(31) 102016121993
Shibaura Machine Engineering Co., Ltd.	(72) ISHII, Tsutomu	17001526
(72) NAKATANI, Toyohiko	MATSUDO, Tatsuki	(32) 16.11.2016
ICHIKAWA, Kentarou	(31) 2016037976	12.09.2017
TANAKA, Hideo	(32) 29.02.2016	(33) Germany
SATO, Kazuhito	(33) Japan	European Patent Office (EPO)
LEVI, Kishbaugh	(51) B29C 45/28	(51) B29C 55/12
(31) 2013036044	(11) EP3159133	B29K 23/00
(32) 26.02.2013	(21) EP16194953.2	B29L 7/00
(33) Japan	(47) 12.08.2020	B32B 15/085
(51) B29C 45/00	(22) 21.10.2016	C08J 5/18
B29C 45/14	(54) VALVE GATE ACTUATOR FOR AN	H01G 4/18
B29C 45/16	PLASTIC INJECTION MOLD AND	(11) EP3124523
B29C 45/27	INTERNAL SEAL UPGRADE	(21) EP15769076.9
B29K 105/12	(73) Magna International Inc.	(47) 12.08.2020
H01H 33/662	(72) Eckerich, Randall Hugh	(87) JP2015058699
(11) EP2656997	Moore, Steve Robert	01.10.2015
(21) EP12002833.7	Cremasco, Enzo	(22) 23.03.2015
(47) 12.08.2020	(31) 201562245496 P	(54) BIAXIALLY ORIENTED
(22) 23.04.2012	(32) 23.10.2015	POLYPROPYLENE FILM
(54) Method for injection moulding of	(33) United States of America	(73) Toray Industries, Inc.
thermoplastic pole parts, and mould for	(51) B29C 45/33	(72) IMANISHI, Yasuyuki
proceeding the same	B29C 45/44	OKADA, Kazuma
(73) ABB Schweiz AG	B29L 31/00	OHKURA, Masatoshi
(72) Klaska, Arne, Dr.	F04D 29/42	KUMA, Takuya
Gentsch, Dietmar, Dr.-Ing.	(11) EP2944825	(31) 2014067695
Bednarowski, Dariusz	(21) EP14167971.2	(32) 28.03.2014
Malinowski, Lukasz, Dr.	(47) 12.08.2020	(33) Japan
Shang, Wenkai, Dr.-Ing.	(22) 12.05.2014	(51) B29C 59/04
(51) B29C 45/16	(54) Pump housing with three flanges	B29D 29/06
B29C 45/27	(73) Grundfos Holding A/S	B29K 21/00
H02G 3/08	(72) Malikova, Ioulia	B29L 29/00
H02G 3/12	Domino, Bent Ole Emdal	B66B 7/06

B66B 7/12	(73) BASF SE	(22) 22.09.2017
(11) EP3071503	(72) DAUN, Gregor	(54) METHOD FOR NON-DESTRUCTIVE
(21) EP13897871.3	KIRGIS, Andreas	TESTING OF A WELDING JOINT
(47) 12.08.2020	RUCKDAESCHEL, Holger	FORMED BY A LOST ELEMENT
(87) US2013071474	ARBTER, Rene	WELDING TECHNIQUE, SAID LOST
28.05.2015	STEIN, Robert	ELEMENT BEING A WINDING, AND
(22) 22.11.2013	MORINO, Alessio	CORRESPONDING ARRANGEMENT
(54) RESURFACING OF BELT FOR	(31) 16185829	(73) Aliaxis Deutschland GmbH
ELEVATOR SYSTEM	(32) 26.08.2016	(72) Wilhelm, Mark
(73) Otis Elevator Company	(33) European Patent Office (EPO)	Elsasser, Dirk
(72) GUILANI, Brad	(51) B29C 65/08	(31) 102016118009
(51) B29C 63/42	A24F 47/00	(32) 23.09.2016
H05B 3/44	(11) EP3248756	(33) Germany
(11) EP3148292	(21) EP17173156.5	(51) B29C 65/36
(21) EP15187093.8	(47) 12.08.2020	(11) EP3572215
(47) 12.08.2020	(22) 26.05.2017	(21) EP19169389.4
(22) 28.09.2015	(54) SONOTRODE FOR THE ULTRASONIC	(47) 12.08.2020
(54) HEATING APPARATUS AND METHOD	WELDING OF PLASTIC COMPONENTS	(22) 16.04.2019
FOR HEATING A TUBULAR BODY	OF AN ELECTRONIC CIGARETTE	(54) ASSEMBLY METHOD BY WELDING
(73) Frans Nooren Afdichtingssystemen B.V.	(73) G.D SOCIETA' PER AZIONI	AT LEAST TWO PARTS MADE OF
(72) Doddema, Jan Frederik	(72) LEMAY, Michael Andre	COMPOSITE MATERIAL
Hofstee, Sander Hendrikus Johannes	MADERA, Giovanni	(73) Airbus Operations S.A.S.
(51) B29C 64/153	MORETTI, Carlo	(72) MURILLO, Richard
B29C 64/205	MAZZONI, Marco	MEYER, Amaury
B29C 64/245	SARTONI, Massimo	(31) 1854396
B29C 64/255	FEDERICI, Luca	(32) 24.05.2018
B33Y 40/00	(31) UA20163828	(33) France
(11) EP3310557	(32) 26.05.2016	(51) B29C 70/08
(21) EP16731842.7	(33) Italy	B29C 70/44
(47) 12.08.2020	(51) B29C 65/08	B29C 70/48
(87) EP2016063950	B65B 51/22	B29C 70/54
22.12.2016	B65B 57/02	(11) EP2857181
(22) 16.06.2016	(11) EP2808154	(21) EP14187676.3
(54) BOTTOM-UP POWDER CONVEYING	(21) EP14001239.4	(47) 12.08.2020
MECHANISM AND METHOD FOR	(47) 12.08.2020	(22) 03.10.2014
A POWDER BED BASED LASER	(22) 03.04.2014	(54) Variable matrix composite
MELTING SYSTEM	(54) Ultrasonic sealing apparatus for use in a	(73) Rohr, Inc.
(73) Aconity GmbH	bag filling and packaging machine	(72) Duncan, Jeffrey Allen
(72) HAGEDORN, Yves	(73) Toyo Jidoki Co., Ltd.	Hudson, Donald Rodger
GÖRRES, Andreas	(72) Yamamoto, Kazunori	(31) 201314046375
(31) 102015109849	Honda, Yasuyuki	(32) 04.10.2013
(32) 19.06.2015	Yamane, Noriyuki	(33) United States of America
(33) Germany	(31) 2013114863	(51) B29C 70/38
(51) B29C 65/00	2013236822	B29C 70/54
(11) EP3412432	(32) 31.05.2013	(11) EP3291973
(21) EP18176883.9	15.11.2013	(21) EP16708641.2
(47) 12.08.2020	(33) Japan	(47) 12.08.2020
(22) 08.06.2018	Japan	(87) EP2016054678
(54) DEVICE FOR THE FIXING OF	(51) B29C 65/20	15.09.2016
ELEMENTS ON A BODY	(11) EP3222407	(22) 04.03.2016
(73) Serughetti, Massimo	(21) EP16401022.5	(54) FIBER-LAYING MACHINE AND
(72) Serughetti, Massimo	(47) 12.08.2020	METHOD FOR LAYING FIBROUS WEB
(31) 201700063566	(22) 24.03.2016	ONTO A WORKPIECE
(32) 09.06.2017	(54) AUTOMATIC WELDING MACHINE	(73) Broetje-Automation GmbH
(33) Italy	(73) Leister Technologies AG	(72) PETERS, Axel
(51) B29C 65/00	(72) Sigrist, Flavio	BOGE, Christian
B29C 65/02	Wildi, Marco	MEYER, Matthias
B29C 65/48	(51) B29C 65/34	(31) 102015002777
B29K 105/04	B29C 65/82	(32) 06.03.2015
B32B 3/26	B29K 101/12	(33) Germany
B32B 5/24	B29L 23/00	(51) B29C 70/52
(11) EP3504046	F16L 47/03	C08G 18/48
(21) EP17757523.0	G01N 29/11	C08G 18/79
(47) 12.08.2020	G01N 29/12	C08J 5/04
(87) EP2017071155	G01N 29/34	(11) EP3515958
01.03.2018	(11) EP3299147	(21) EP17768445.3
(22) 22.08.2017	(21) EP17192761.9	(47) 12.08.2020
(54) FIBER REINFORCED FOAM	(47) 12.08.2020	(87) EP2017073276

29.03.2018	B32B 9/02	B32B 15/02
(22) 15.09.2017	B32B 9/04	B32B 15/08
(54) ANISOTROPIC COMPOSITE MATERIALS BASED ON POLYISOCYANATES	B32B 27/06	B32B 15/085
(73) Covestro Deutschland AG	B32B 27/12	B32B 15/14
(72) HOCKE, Heiko	B32B 37/12	B32B 27/12
KÖTHER, Andrea	B64B 1/08	B32B 27/32
ACHTEN, Dirk	B64B 1/40	B62D 29/00
ADERJAHN, Dieter	B32B 7/08	(11) EP3072684
REXMANN, Bianca	(11) EP3221138	(21) EP14828053.0
REIDENBACH, Nicole	(21) EP15805404.9	(47) 12.08.2020
(31) 16189653	(47) 12.08.2020	(87) IB2014066239
(32) 20.09.2016	(87) EP2015077007	28.05.2015
(33) European Patent Office (EPO)	26.05.2016	(22) 21.11.2014
(51) B29D 7/00	(22) 18.11.2015	(54) SEMI-FINISHED PRODUCT MANUFACTURED FROM PREPREG, THREE-DIMENSIONAL PREFORMED BODY AND OVERMOULDED PART
(11) EP2794412	(54) INFLATABLE STRUCTURE WITH A MULTILAYER TIGHT SKIN AND MANUFACTURING PROCESSES THEREOF	(73) Compagnie Plastic Omnium
(21) EP12859748.1	(73) AIRBUS (SAS)	(72) DEMANGE, Jean-Yves
(47) 12.08.2020	(72) ABISRROR, Albert	HERAULT, Richard
(87) US2012071444	MESNAGE, Didier	(31) 201320747488 U
27.06.2013	(31) 1461234	(32) 22.11.2013
(22) 21.12.2012	(32) 20.11.2014	(33) China
(54) CAP CLOSURE AND METHOD FOR CONTROLLING OXYGEN INGRESS IN CAP CLOSURE	(33) France	(51) B32B 1/02
(73) G3 Enterprises, Inc.	(51) B31B 70/00	B32B 1/08
(72) PECK, James	B31B 70/10	B32B 25/08
(31) 201161579611 P	B31B 70/14	B32B 27/08
(32) 22.12.2011	B31B 70/18	B32B 27/30
(33) United States of America	(11) EP3300881	B32B 27/34
(51) B29D 11/00	(21) EP17193675.0	C08L 77/00
B32B 3/00	(47) 12.08.2020	F16L 9/14
B32B 3/30	(22) 28.09.2017	F16L 11/04
B32B 25/04	(54) METHOD AND DEVICE FOR TRIMMING A FLAT MATERIAL ON BOTH SIDES AS PART OF THE PRODUCTION OF TUBES	(11) EP3299165
B32B 25/08	(73) PackSys Global AG	(21) EP16189917.4
B32B 27/08	(72) BÄRTSCHI, Christoph	(47) 12.08.2020
B32B 37/00	HEUSSER, Emanuel	(22) 21.09.2016
B32B 37/12	(31) 102016118548	(54) MULTILAYER HOLLOW BODY WITH HIGH WASHING RESISTANCE
B32B 37/14	(32) 29.09.2016	(73) Evonik Operations GmbH
B32B 37/24	(33) Germany	(72) BERGER, Dr. Jasmin
B32B 38/00	(51) B32B 1/00	KUHMANN, Dr. Karl
B32B 38/06	B32B 1/08	RESING, Mario
H01L 31/048	B32B 5/02	HEIMINK, Dr. Jan
H01L 31/052	B32B 5/08	FARGES, Olivier
H01L 31/054	B32B 5/22	ALTKEMPER, Stefan
F21V 5/00	B32B 5/24	(51) B32B 3/02
(11) EP2556543	B32B 5/26	B32B 3/14
(21) EP11765139.8	B32B 27/06	B32B 3/18
(47) 12.08.2020	B32B 27/16	B32B 3/26
(87) FI2011050299	B32B 27/18	B32B 5/12
13.10.2011	B32B 27/20	B32B 5/26
(22) 06.04.2011	B32B 27/26	C04B 35/83
(54) LAMINATE STRUCTURE WITH EMBEDDED CAVITIES FOR USE WITH SOLAR CELLS AND RELATED METHOD OF MANUFACTURE	F16L 55/165	(11) EP3616899
(73) OY ICS Intelligent Control Systems Ltd	(11) EP3210771	(21) EP19192708.6
(72) RINKO, Kari	(21) EP17000253.9	(47) 12.08.2020
(31) 388233 P	(47) 12.08.2020	(22) 20.08.2019
282818 P	(22) 16.02.2017	(54) SEGMENTED LAYER CARBON FIBER PREFORM
(32) 30.09.2010	(54) CLADDING TUBE FOR CHANNELLING AND METHOD FOR PRODUCING SAME	(73) Honeywell International Inc.
06.04.2010	(73) Brandenburger Liner GmbH & Co. KG	(72) FRYSKA, Slawomir T.
(33) United States of America	(72) Duttenhöfer, Peter	GORDY, Bruce
United States of America	(31) 102016002100	(31) 201816114043
(51) B29D 22/02	(32) 24.02.2016	(32) 27.08.2018
B32B 5/02	(33) Germany	(33) United States of America
B32B 5/18	(51) B32B 1/00	(51) B32B 3/08
B32B 7/12		B32B 5/14
		B32B 17/10
		(11) EP3484707



(21) EP17730195.9	(22) 18.02.2016	F16L 59/02
(47) 12.08.2020	(54) WOVEN MULTI-LAYER FABRICS FOR USE WITH BALLISTIC THREATS	H01M 2/10
(87) EP2017064925	(73) Shahkarami, Shekoufeh	H01M 2/12
25.01.2018	Krummel, Joseph	H01M 10/658
(22) 19.06.2017	(72) Shahkarami, Shekoufeh	(11) EP3493293
(54) VEHICLE COMPOSITE PANE WITH OPTIMIZED BEAM PATH FOR A SENSOR ATTACHED TO SAME	Krummel, Joseph	(21) EP18202462.0
(73) SAINT-GOBAIN GLASS FRANCE	(31) 201562117733 P	(47) 12.08.2020
(72) SCHMALBUCH, Klaus	(32) 18.02.2015	(22) 25.10.2018
WOHLFEIL, Dirk	(33) United States of America	(54) INSULATING FACING FOR HOUSING
LINN, Malte	(51) B32B 5/02	(73) tmax Holding GmbH
ARNDT, Martin	B32B 5/26	(72) BAUM, Armin
EFFERTZ, Christian	B32B 7/12	CAPPELLUCCI, Peter
(31) 16179916	B32B 38/08	(31) 202017107298 U
(32) 18.07.2016	D06M 17/10	(32) 30.11.2017
(33) European Patent Office (EPO)	D06N 3/00	(33) Germany
(51) B32B 3/26	D06N 3/14	(51) B32B 15/00
B32B 27/36	(11) EP3456530	F25D 23/06
E04C 2/292	(21) EP18194366.3	C09D 7/00
E04C 2/296	(47) 12.08.2020	(11) EP3447417
E06B 1/00	(22) 13.09.2018	(21) EP18189882.6
(11) EP3122977	(54) MULTILAYER COMPOSITE MATERIAL AND RELATED PRODUCTION METHOD	(47) 12.08.2020
(21) EP15770412.3	(73) Lorenzi S.r.l.	(22) 21.08.2018
(47) 12.08.2020	(72) LORENZI, Lorenzo	(54) REFRIGERATOR COMPRISING AN OUTER PLATE AND METHOD FOR MANUFACTURING THE SAME
(87) US2015012069	(31) 201700102380	(73) LG Electronics Inc.
01.10.2015	(32) 13.09.2017	(72) KIM, Youngwoo
(22) 20.01.2015	(33) Italy	LEE, Suhyun
(54) METHODS FOR EMBEDDING FASTENERS IN AN OPEN CELLULAR SANDWICH STRUCTURE	(51) B32B 5/08	JUNG, Hyesun
(73) HRL Laboratories LLC	B32B 5/12	(31) 20170105168
(72) HUNDLEY, Jacob M.	B32B 27/32	(32) 21.08.2017
CLOUGH, Eric C.	(11) EP3242796	(33) Korea (Republic)
JACOBSEN, Alan J.	(21) EP16727538.7	(51) B32B 17/06
(31) 201414226801	(47) 12.08.2020	B32B 17/10
(32) 26.03.2014	(87) IB2016000568	(11) EP2890560
(33) United States of America	21.07.2016	(21) EP13759390.1
(51) B32B 3/30	(22) 08.01.2016	(47) 12.08.2020
B32B 5/16	(54) LIGHTWEIGHT LAMINATES AND PLATE-CARRIER VESTS AND OTHER ARTICLES OF MANUFACTURE THEREFROM	(87) US2013056755
B32B 27/06	(73) DSM IP Assets B.V.	06.03.2014
B32B 27/08	(72) DOWNS, Roland, Joseph	(22) 27.08.2013
B32B 27/32	ADAMS, Christopher, Michael	(54) STRENGTHENED THIN GLASS-POLYMER LAMINATES
B32B 27/34	MCDANIELS, Keith, Joel	(73) Corning Incorporated
B32B 27/36	(31) 201562101911 P	(72) KANG, Kiat Chyai
B60N 2/58	(32) 09.01.2015	NATARAJAN, Govindarajan
(11) EP3140112	(33) United States of America	XIAO, Yu
(21) EP15789294.4	(51) B32B 5/18	(31) 201261695781 P
(47) 12.08.2020	C08J 7/06	(32) 31.08.2012
(87) CA2015000294	(11) EP3459728	(33) United States of America
12.11.2015	(21) EP16902442.9	(51) B32B 17/06
(22) 06.05.2015	(47) 12.08.2020	B65H 18/28
(54) FOAM ARTICLE	(87) JP2016065007	C03C 17/00
(73) Propriect L.P.	23.11.2017	B32B 7/06
(72) HOJNACKI, Henry	(22) 20.05.2016	(11) EP3134368
WEIERSTALL, Mark	(54) SOIL-RESISTANT STRUCTURE AND AUTOMOBILE COMPONENT PROVIDED WITH SAID SOIL-RESISTANT STRUCTURE	(21) EP15719626.2
(31) 201461989076 P	(73) Nissan Motor Co., Ltd.	(47) 12.08.2020
(32) 06.05.2014	(72) NOGUCHI, Yuji	(87) EP2015057679
(33) United States of America	MURAKAMI, Ryo	29.10.2015
(51) B32B 5/00	(51) B32B 5/22	(22) 09.04.2015
B32B 5/02	B32B 17/02	(54) THIN GLASS COMPOSITE AND METHOD FOR STORING A THIN GLASS FILM
D03D 1/00	B32B 17/06	(73) tesa SE
D03D 11/00	B32B 17/10	(72) SCHUH, Christian
D03D 13/00		KEITE-TELGENBÜSCHER, Klaus
F41H 5/04		CZESKI, Tanita
(11) EP3067450		(31) 102014207792
(21) EP16156370.5		(32) 25.04.2014
(47) 12.08.2020		

(33) Germany	(73) Betek Tasyunu Sanayi Ve Ticaret A.S.	(87) EP2015068989
(51) B32B 17/10	(51) B32B 27/08	25.02.2016
B32B 27/30	G02F 1/1337	(22) 19.08.2015
B60J 1/02	B32B 7/00	(54) A NEW CROSSLINKED POLYMER
C03C 27/12	(11) EP3407127	COMPOSITION, STRUCTURED LAYER
C08J 5/18	(21) EP17846904.5	AND CABLE
(11) EP3438072	(47) 12.08.2020	(73) Borealis AG
(21) EP17775574.1	(87) KR2017009133	(72) SMEDBERG, Annika
(47) 12.08.2020	08.03.2018	ENGLUND, Villgot
(87) JP2017013712	(22) 22.08.2017	HAGSTRAND, Per-Ola
05.10.2017	(54) METHOD FOR MANUFACTURING	ERIKSSON, Virginie
(22) 31.03.2017	MULTILAYER LIQUID CRYSTAL FILM	SILFVERBERG, Emy
(54) INTERLAYER FILM FOR LAMINATED	(73) LG Chem, Ltd.	(31) 14181348
GLASS, AND LAMINATED GLASS	(72) KIM, Young Jin	(32) 19.08.2014
(73) Sekisui Chemical Co., Ltd.	CHANG, Jun Won	(33) European Patent Office (EPO)
(72) SHINDO, Kaoru	LEE, Dae Hee	(51) B32B 37/00
NAGAI, Yasuharu	(31) 20160111433	B32B 37/26
TANIKAWA, Yuji	(32) 31.08.2016	B33Y 10/00
(31) 2016070656	(33) Korea (Republic)	B33Y 30/00
(32) 31.03.2016	(51) B32B 27/10	B29C 64/112
(33) Japan	B65D 5/74	B29C 64/141
(51) B32B 18/00	B65D 75/66	B29C 64/147
C04B 35/573	B65D 77/00	B29C 64/40
C04B 35/83	B65D 77/32	(11) EP2931499
F16D 69/02	(11) EP3089874	(21) EP13863338.3
(11) EP3395564	(21) EP14806219.3	(47) 12.08.2020
(21) EP18169199.9	(47) 12.08.2020	(87) JP2013084001
(47) 12.08.2020	(87) EP2014075657	19.06.2014
(22) 25.04.2018	09.07.2015	(22) 12.12.2013
(54) SHORT CARBON FIBER-REINFORCED	(22) 26.11.2014	(54) METHOD FOR MANUFACTURING
COMPOSITE MATERIAL AND METHOD	(54) PACKAGE MATERIAL BLANK AND	STRUCTURAL BODY AND
FOR PRODUCING THE SAME	METHOD OF FORMING THE SAME	MANUFACTURING APPARATUS
(73) CoorsTek KK	(73) Tetra Laval Holdings & Finance SA	THEREFOR
(72) ENOMOTO, Koji	(72) SCHARFENORT, Per	(73) Canon Kabushiki Kaisha
(31) 2017090225	HÅKANSSON, Bengt	(72) TANIUCHI, Hiroshi
(32) 28.04.2017	EKLUND, Therese	NAKAJIMA, Kazuhiro
(33) Japan	LEIDINGER, Claudia	(31) 2012272625
(51) B32B 18/00	MARCOVECCCHIO, Karin	(32) 13.12.2012
F01D 5/28	NORDENSKJÖLD, Carl	(33) Japan
(11) EP2969552	(31) 13199808	(51) B32B 38/10
(21) EP13826830.5	1450771	B32B 38/18
(47) 12.08.2020	(32) 30.12.2013	H01L 51/56
(87) US2013078268	19.06.2014	(11) EP3401094
18.09.2014	(33) European Patent Office (EPO)	(21) EP16836043.6
(22) 30.12.2013	Sweden	(47) 12.08.2020
(54) APPARATUS COMPRISING	(51) B32B 27/28	(87) CN2016094986
COMPONENT INCLUDING	B32B 27/34	13.07.2017
STRUCTURES FOR DETERMINANT	B32B 27/36	(22) 12.08.2016
LOADING AND A METHOD FOR USING	(11) EP2993041	(54) FILM PEELING DEVICE AND METHOD
THE APPARATUS	(21) EP14791264.6	(73) BOE Technology Group Co., Ltd.
(73) Rolls-Royce Corporation	(47) 12.08.2020	Hefei Xincheng Optoelectronics
(72) THOMAS, David, John	(87) JP2014061886	Technology Co., Ltd
USKERT, Christopher	06.11.2014	(72) PENG, Rui
(31) 201361780827 P	(22) 28.04.2014	JIA, Wenbin
(32) 13.03.2013	(54) HEAT-SHRINKABLE MULTILAYER FILM	WANG, Xinxin
(33) United States of America	(73) Kureha Corporation	YE, Zhijie
(51) B32B 19/06	(72) ITOH, Tadayoshi	HUANG, Lei
E04B 1/00	SEKIYA, Yuta	(31) 201610005422
D04H 1/4209	TOBITA, Hisanori	(32) 05.01.2016
(11) EP3564423	(31) 2013096984	(33) China
(21) EP18170054.3	(32) 02.05.2013	(51) B33Y 10/00
(47) 12.08.2020	(33) Japan	B33Y 30/00
(22) 30.04.2018	(51) B32B 27/32	B29C 64/153
(54) PROCESS FOR THE MANUFACTURE	C08F 210/18	B33Y 70/00
OF MINERAL WOOL PANELS MADE	H01B 3/44	(11) EP3385060
OF TWO OR MORE LAYERS HAVING	(11) EP3183278	(21) EP16870285.0
DIFFERENT DENSITIES	(21) EP15754164.0	(47) 12.08.2020
	(47) 12.08.2020	(87) JP2016079384

08.06.2017	(21) EP14707586.5	04.01.2018
(22) 04.10.2016	(47) 12.08.2020	(22) 29.06.2017
(54) POWDER MATERIAL, METHOD OF MANUFACTURING A THREE- DIMENSIONAL OBJECT, AND THREE- DIMENSIONAL MANUFACTURING APPARATUS	(87) US2014016690 04.09.2014	(54) DROPLET DEPOSITION APPARATUS AND TEST CIRCUIT THEREFOR
(73) Konica Minolta, Inc.	(22) 17.02.2014	(73) Xaar Technology Limited
(72) SHIRAISHI, Masaharu	(54) LITHOGRAPHIC PRINTING PLATE PRECURSORS AND USE	(72) BIRD, Neil Christopher
ISOBE, Kazuya	(73) Eastman Kodak Company	ISLAM, Mujahid-ul
HARA, Akiko	(72) IGARASHI, Akira	(31) 201611464
YAMAZAKI, Kazufumi	TORIHATA, Yuuki	(32) 30.06.2016
(31) 2015233081	BAUMANN, Harald	(33) United Kingdom
(32) 30.11.2015	DWARS, Udo	(51) B41J 2/045
(33) Japan	SIMPSON, Christopher	(11) EP3459741
(51) B33Y 30/00	WERNER, Saija	(21) EP18193510.7
B29C 64/124	FLUGEL, Michael	(47) 12.08.2020
B29C 64/20	(31) 201313779906	(22) 10.09.2018
B29C 64/255	(32) 28.02.2013	(54) WAVEFORM GENERATING DEVICE AND INK JET RECORDING APPARATUS
(11) EP3530438	(33) United States of America	(73) Toshiba Tec Kabushiki Kaisha
(21) EP18200466.3	(51) B41F 13/12	(72) WATANABE, Hiroyuki
(47) 12.08.2020	B41F 33/00	TAKAMURA, Jun
(22) 15.10.2018	G05D 3/00	NITTA, Noboru
(54) THREE-DIMENSIONAL PRINTER	(11) EP3539777	(31) 2017181959
(73) XYZprinting, Inc.	(21) EP18161741.6	(32) 22.09.2017
Kinpo Electronics, Inc.	(47) 12.08.2020	(33) Japan
(72) LEE, An-Hsiu	(22) 14.03.2018	(51) B41J 2/045
HUANG, Chen-Fu	(54) METHOD AND DEVICE FOR CORRECTING THE PRINTING POSITION OF A PRINTING UNIT AND PRINTING MACHINE	(11) EP3446876
CHOU, Ching-Yuan	(73) Siemens Aktiengesellschaft	(21) EP18189588.9
LIN, Tsai-Yi	(72) Neger, Miriam	(47) 12.08.2020
(31) 201810154541	Reh, Jörg	(22) 17.08.2018
(32) 23.02.2018	(51) B41F 19/06	(54) LIQUID DISPENSING APPARATUS AND CORRESPONDING METHOD
(33) China	B65H 16/06	(73) Toshiba TEC Kabushiki Kaisha
(51) B41C 1/10	B65H 19/12	(72) YOKOYAMA, Shuhei
B41N 3/08	(11) EP3368315	KAIHO, Satoshi
G03F 7/32	(21) EP16788027.7	KUSUNOKI, Ryutaro
(11) EP3430475	(47) 12.08.2020	SHIMIZU, Seiya
(21) EP17704196.9	(87) EP2016025116	(31) 2017159470
(47) 12.08.2020	04.05.2017	(32) 22.08.2017
(87) EP2017052411	(22) 14.10.2016	(33) Japan
21.09.2017	(54) FOIL REEL MOUNTING DEVICE, SUPPORTING MODULE, STAMPING MACHINE, HANDLING TOOL AND METHOD FOR LOADING AND UNLOADING A REEL OF STAMPING FOIL	(51) B41J 2/045
(22) 03.02.2017	(73) BOBST MEX SA	B41J 2/07
(54) APPARATUS FOR PROCESSING A LITHOGRAPHIC PRINTING PLATE AND CORRESPONDING METHOD	(72) CHRETIEN, Julien	B41J 2/155
(73) AGFA NV	(31) 15020205	B41J 29/00
(72) MORIAME, Philippe	(32) 28.10.2015	G01N 27/20
BOGUNOVIC, Iris	(33) European Patent Office (EPO)	(11) EP3230075
VERVLOET, Ludo	(51) B41J 2/03	(21) EP15880544.0
(31) 16160576	B41J 2/105	(47) 12.08.2020
16160627	(11) EP3099490	(87) US2015013953
16160616	(21) EP14705292.2	04.08.2016
16160591	(47) 12.08.2020	(22) 30.01.2015
16168969	(87) EP2014051549	(54) PRINTHEAD HAVING MULTIPLE PRINTHEAD DIES WITH CRACK SENSE RESISTORS FOR CRACK SENSING AND A METHOD FOR DETECTING CRACKS
(32) 16.03.2016	30.07.2015	(73) Hewlett-Packard Development Company, L.P.
16.03.2016	(22) 27.01.2014	(72) ANDERSON, Daryl E.
16.03.2016	(54) VALVE	CORRIGAN, George H.
16.03.2016	(73) HP Indigo B.V.	LINN, Scott A.
10.05.2016	(72) FISHER, Gil	(51) B41J 2/045
(33) European Patent Office (EPO)	(51) B41J 2/045	B41J 2/14
European Patent Office (EPO)	(11) EP3478506	(11) EP3539779
European Patent Office (EPO)	(21) EP17736732.3	(21) EP19160867.8
European Patent Office (EPO)	(47) 12.08.2020	(47) 12.08.2020
European Patent Office (EPO)	(87) GB2017051911	(22) 05.03.2019
(51) B41C 1/10		
G03F 7/09		
G03F 7/11		
(11) EP2962157		

(54) LIQUID DROPLET FORMING DEVICE AND LIQUID DROPLET FORMING METHOD	FUJISHIMA, Kazutoshi (31) 2015063917 (32) 26.03.2015 (33) Japan	(32) 14.07.2017 (33) United States of America
(73) Ricoh Company, Ltd.	(51) B41J 2/14	(51) B41J 2/21
(72) Kuramochi, Yuzuru Takagi, Daisuke Okano, Satoshi Matsumoto, Takahiko Muramatsu, Koichi Nakazawa, Satoshi Mashiko, Ryuya	(51) B41J 2/14 B41J 2/175 (11) EP3212409 (21) EP14904654.2 (47) 12.08.2020 (87) US2014062894 06.05.2016 (22) 29.10.2014	H04N 1/405 H04N 1/52 (11) EP2865173 (21) EP13730572.8 (47) 12.08.2020 (87) EP2013063064 27.12.2013 (22) 21.06.2013
(31) 2018049204 2018242311	(22) 29.10.2014	(54) METHOD FOR PRINTING A COLOUR PIXEL MATRIX ON A PHYSICAL MEDIUM BY PRINTING OBLIQUE LINES AND ASSOCIATED CONTROL DEVICE
(32) 16.03.2018 26.12.2018	(54) FLUID EJECTION DEVICE	(73) Thales Dis France SA
(33) Japan Japan	(73) Hewlett-Packard Development Company, L.P. (72) GOVYADINOV, Alexander RICHARDS, Paul A.	(72) LESUR, Jean-Luc (31) 12004716 (32) 22.06.2012 (33) European Patent Office (EPO)
(51) B41J 2/045 B41J 2/14 B41J 2/155	(51) B41J 2/175 (11) EP3546222 (21) EP18165153.0 (47) 12.08.2020 (22) 29.03.2018	(51) B41J 2/36
(11) EP3539781 (21) EP17868812.3 (47) 12.08.2020 (87) JP2017040025 17.05.2018 (22) 07.11.2017	(54) LIQUID CARTRIDGE	(11) EP3326826 (21) EP18152145.1 (47) 12.08.2020 (22) 26.06.2017 (54) THERMAL PRINTER (73) Fujitsu Component Limited (72) URYU, Natsumi KATAOKA, Hiroyuki
(54) IMAGE RECORDING CONTROL APPARATUS, IMAGE RECORDING APPARATUS, AND METHOD FOR IDENTIFYING ARRANGEMENT OF RECORDING OPERATION UNITS	(73) Brother Kogyo Kabushiki Kaisha (72) TAKAHASHI, Hiroaki MIYAO, Takahiro ONO, Akihito KOBAYASHI, Tetsuro NAKAZAWA, Fumio NUKUI, Kosuke	(31) 2016133522 (32) 05.07.2016 (33) Japan
(73) Konica Minolta, Inc. (72) KOMADA, Naoya (31) 2016221279 (32) 14.11.2016 (33) Japan	(51) B41J 2/175 B41J 13/00 B41J 29/38 B42B 5/10 B42C 1/12 B42C 19/02 B65H 37/04 G03G 15/00 G03G 21/02 G03G 21/14 H04N 1/00 (11) EP3206980 (21) EP15850589.1 (47) 12.08.2020 (87) JP2015005206 21.04.2016 (22) 14.10.2015	(51) B41J 3/407 B41J 11/00 B41J 11/06 B41M 5/00 (11) EP3162577 (21) EP15191720.0 (47) 12.08.2020 (22) 27.10.2015 (54) INKJET PRINTING METHOD FOR HEAT SENSITIVE SUBSTRATES (73) AGFA NV (72) Bouwens, Luc Barrett, Mark Van Garsse, Joris
(51) B41J 2/14	B42B 5/10 B42C 1/12 B42C 19/02 B65H 37/04 G03G 15/00 G03G 21/02 G03G 21/14 H04N 1/00	(51) B41J 3/407 B41J 11/00 B41J 13/00 (11) EP3138691 (21) EP15183429.8 (47) 12.08.2020 (22) 02.09.2015
(11) EP3235644 (21) EP17161476.1 (47) 12.08.2020 (22) 17.03.2017	(11) EP3206980 (21) EP15850589.1 (47) 12.08.2020 (87) JP2015005206 21.04.2016 (22) 14.10.2015	(54) INKJET PRINTING DEVICE WITH DIMPLED VACUUM BELT (73) AGFA NV (72) De Roeck, Luc Baeyens, Peter Strijckers, Jeroen
(54) INK JET HEAD AND INK JET RECORDING APPARATUS	(73) Toshiba TEC Kabushiki Kaisha (72) WONG, Meng Fei KUSUNOKI, Ryutaro YOKOYAMA, Shuhei ARAI, Ryuichi	(51) B41J 3/407 B41J 11/00 B41J 13/00 (11) EP3138691 (21) EP15183429.8 (47) 12.08.2020 (22) 02.09.2015
(73) Toshiba TEC Kabushiki Kaisha (72) WONG, Meng Fei KUSUNOKI, Ryutaro YOKOYAMA, Shuhei ARAI, Ryuichi	(54) PRINTING SYSTEM	(51) B41J 11/00 (11) EP3251862 (21) EP17171176.5 (47) 12.08.2020 (22) 15.05.2017
(31) 2016084587 (32) 20.04.2016 (33) Japan	(73) Ricoh Company, Ltd. (72) FUJITA, Takehiro (31) 2014210301 (32) 14.10.2014 (33) Japan	(51) B41J 11/00 (11) EP3251862 (21) EP17171176.5 (47) 12.08.2020 (22) 15.05.2017
(51) B41J 2/14 B41J 2/165 B41J 2/175 B41J 2/185 B41J 29/02 B41J 29/13 B41J 29/377 B41J 29/38	(51) B41J 2/175 B41J 29/38 B41J 29/393 G06F 3/12 (11) EP3427959 (21) EP18182570.4 (47) 12.08.2020 (22) 10.07.2018	(54) APPARATUS AND METHOD FOR DETERMINING AMOUNT OF INK (73) Funai Electric Co., Ltd. (72) BARKLEY, Lucas DEBOARD, Bruce JONES, Brian
(11) EP3072694 (21) EP16160813.8 (47) 12.08.2020 (22) 17.03.2016	(22) 10.07.2018	(31) 201715650001
(54) LIQUID DISCHARGING APPARATUS	(54) APPARATUS AND METHOD FOR DETERMINING AMOUNT OF INK	
(73) Seiko Epson Corporation (72) KATAGAMI, Satoru SASAKI, Tsutomu SUZUKI, Manabu	(73) Funai Electric Co., Ltd. (72) BARKLEY, Lucas DEBOARD, Bruce JONES, Brian	

- (54) ELECTROSTATIC CHARGING APPARATUS AND METHOD FOR SHEET TRANSPORT  
 (73) Delphax Technologies, Inc.  
 (72) McCALLUM, Robert Stuart  
 THOMSON, Christopher W.  
 YOUNG, Harry  
 (31) 201662336031 P  
 (32) 13.05.2016  
 (33) United States of America
- 
- (51) B41J 11/00  
 B41J 11/66  
 B41J 11/70  
 B41J 15/04  
 G07B 1/00  
 (11) EP3263350  
 (21) EP17176321.2  
 (47) 12.08.2020  
 (22) 16.06.2017  
 (54) PAPER DISCHARGE APPARATUS, PAPER DISCHARGE METHOD AND PRINTING APPARATUS  
 (73) Toshiba TEC Kabushiki Kaisha  
 (72) MASUDA, Ken  
 (31) 2016120728  
 (32) 17.06.2016  
 (33) Japan
- 
- (51) B41J 29/13  
 (11) EP3115219  
 (21) EP16178221.4  
 (47) 12.08.2020  
 (22) 06.07.2016  
 (54) LIQUID DROPLET DISCHARGING APPARATUS  
 (73) Seiko Epson Corporation  
 (72) KOBAYASHI, Shunsuke  
 (31) 2015138476  
 (32) 10.07.2015  
 (33) Japan
- 
- (51) B41M 3/14  
 B42D 25/26  
 B42D 25/30  
 B42D 25/342  
 G07D 7/20  
 (11) EP3219505  
 (21) EP15858323.7  
 (47) 12.08.2020  
 (87) JP2015075192  
 19.05.2016  
 (22) 04.09.2015  
 (54) INFORMATION RECORDING OBJECT, READING DEVICE, AND PROGRAM  
 (73) Dai Nippon Printing Co., Ltd.  
 (72) AOYAMA, Yuko  
 YAMAKAWA, Toshihisa  
 SABASHI, Atsuhiko  
 KATOU, Daiki  
 (31) 2014229478  
 (32) 12.11.2014  
 (33) Japan
- 
- (51) B41M 5/20  
 B41M 5/327  
 C07D 407/02  
 C07F 7/08  
 C07F 7/10  
 (11) EP3099680  
 (21) EP15742817.8  
 (47) 12.08.2020
- (87) CN2015000072  
 06.08.2015  
 (22) 30.01.2015  
 (54) BISTRIFILATE-BASED FLUOROGENIC PROBES FOR DETECTION OF SUPEROXIDE ANION RADICAL  
 (73) The University of Hong Kong  
 (72) YANG, Dan  
 HU, Jun  
 WONG, Nai Kei  
 (31) 201461934335 P  
 (32) 31.01.2014  
 (33) United States of America
- 
- (51) B42C 19/08  
 (11) EP3305540  
 (21) EP17194750.0  
 (47) 12.08.2020  
 (22) 04.10.2017  
 (54) BOOKBINDING SYSTEM WITH ALTERNATIVE FEEDING OF BOOK BLOCKS FROM DIFFERENT MACHINES  
 (73) Meccanotecnica S.p.A.  
 (72) CORDELLA, Alfredo  
 (31) 201600099902  
 (32) 05.10.2016  
 (33) Italy
- 
- (51) B43K 1/12  
 B43K 8/00  
 B43K 8/02  
 B43K 8/03  
 B43K 8/04  
 (11) EP2581234  
 (21) EP11795742.3  
 (47) 12.08.2020  
 (87) JP2011063609  
 22.12.2011  
 (22) 14.06.2011  
 (54) WRITING INSTRUMENT  
 (73) Mitsubishi Pencil Company, Limited  
 (72) KAMITANI Toshimi  
 OKUYAMA Hiroyuki  
 KAWABATA Mitsuhiro  
 KOURIKI Tadashi  
 (31) 2011130312  
 2011130311  
 2011130310  
 2010134934  
 (32) 10.06.2011  
 10.06.2011  
 10.06.2011  
 14.06.2010  
 (33) Japan  
 Japan  
 Japan  
 Japan
- 
- (51) B43K 21/00  
 B43K 21/16  
 B43K 21/22  
 B43K 25/02  
 B43K 29/02  
 (11) EP2825394  
 (21) EP13712873.2  
 (47) 12.08.2020  
 (87) FR2013050435  
 19.09.2013  
 (22) 01.03.2013
- (54) MECHANICAL PENCIL HAVING A SLIDABLE PUSH MEMBER  
 (73) Soci t  BIC  
 (72) ROLION, Franck  
 FAGU, Ludovic  
 (31) 1252418  
 (32) 16.03.2012  
 (33) France
- 
- (51) B60B 5/02  
 B60B 27/00  
 (11) EP3003737  
 (21) EP14728225.5  
 (47) 12.08.2020  
 (87) EP2014061886  
 11.12.2014  
 (22) 06.06.2014  
 (54) BEARING COMPONENT WITH COMPOSITE FLANGE  
 (73) Aktiebolaget SKF  
 (72) PETERS, Gilbert  
 SCHAAKE, Richard  
 SCHRAMM, Edo  
 VISSERS, Cornelius Petrus Antonius  
 (31) PCT/EP2013/061790  
 (32) 07.06.2013  
 (33) World Intellectual Property Office (WIPO)
- 
- (51) B60B 21/02  
 (11) EP2643168  
 (21) EP11805116.8  
 (47) 12.08.2020  
 (87) GB2011001648  
 31.05.2012  
 (22) 25.11.2011  
 (54) OPTIMUM AERODYNAMIC BICYCLE WHEEL  
 (73) ENVE Composites, LLC  
 (72) SMART, Simon  
 (31) 417278 P  
 (32) 25.11.2010  
 (33) United States of America
- 
- (51) B60B 27/00  
 B60K 17/04  
 B60T 1/06  
 F16D 55/24  
 F16D 55/36  
 F16D 55/40  
 F16D 65/853  
 (11) EP3173649  
 (21) EP16185334.6  
 (47) 12.08.2020  
 (22) 23.08.2016  
 (54) AXLE ASSEMBLY HAVING A WET DISC BRAKE  
 (73) ArvinMeritor Technology, LLC  
 (72) Chung, I-Chao  
 (31) 201514930918  
 (32) 03.11.2015  
 (33) United States of America
- 
- (51) B60B 35/04  
 B60B 35/08  
 (11) EP3191314  
 (21) EP15757307.2  
 (47) 12.08.2020  
 (87) EP2015070376  
 17.03.2016  
 (22) 07.09.2015  
 (54) AXLE UNIT  
 (73) SAF-HOLLAND GmbH

(72) CHRIST, Armin BORDE, Florian (31) 102014218332 (32) 12.09.2014 (33) Germany	(22) 14.05.2018 (54) RUBBER COMPOSITION FOR THE INNER LAYER OR THE HOSE OF PNEUMATIC VEHICLE TYRES AND PNEUMATIC VEHICLE TYRES	(22) 07.11.2018 (54) TIRE (73) SUMITOMO RUBBER INDUSTRIES, LTD. (72) WAKASUGI, Masashi IMAI, Daiki (31) 2017226870 (32) 27.11.2017 (33) Japan
(51) B60C 1/00 B60C 5/14 B60C 13/00 (11) EP3515726 (21) EP17784015.4 (47) 12.08.2020 (87) IB2017055717 29.03.2018 (22) 21.09.2017 (54) TYRE WITH AN INSERT HAVING A HIGH MODULUS (73) Compagnie Générale des Etablissements Michelin	(73) Continental Reifen Deutschland GmbH (72) Müller, Matthias-Stephan Efimov, Konstantin Jeromin, Dieter (31) 102017211926 (32) 12.07.2017 (33) Germany	(51) B60C 17/00 (11) EP3366496 (21) EP18158024.2 (47) 12.08.2020 (22) 22.02.2018 (54) RUN FLAT TIRE AND METHOD FOR MANUFACTURING SAME (73) Sumitomo Rubber Industries, Ltd. (72) KAJITA, Hiroaki (31) 2017037068 (32) 28.02.2017 (33) Japan
(72) MERINO LOPEZ, José (31) 1670547 (32) 25.09.2016 (33) France	(51) B60C 1/00 C08L 9/06 (11) EP3572240 (21) EP19169393.6 (47) 12.08.2020 (22) 16.04.2019 (54) RUBBER COMPOSITION FOR TREAD AND PNEUMATIC TIRE (73) Sumitomo Rubber Industries Ltd. (72) NISHIOKA, Kazuyuki MAEKAWA, Tetsuya NAOYA, Sofue IKEDA, Keiji (31) 2018098910 (32) 23.05.2018 (33) Japan	(51) B60D 1/00 B62D 63/06 B62K 27/00 B62K 27/10 (11) EP3378754 (21) EP18161403.3 (47) 12.08.2020 (22) 13.03.2018 (54) BICYCLE TRAILER WITH PIVOTABLE DRAWBAR (73) Kettler Alu-Rad GmbH (72) Fiegl, Thomas Pohl, Achim (31) 102017106142 (32) 22.03.2017 (33) Germany
(51) B60C 1/00 B60C 7/00 B60C 7/10 B60C 7/26 (11) EP3237228 (21) EP15873891.4 (47) 12.08.2020 (87) US2015056867 30.06.2016 (22) 22.10.2015 (54) FLANGED TIRE AND WHEEL ASSEMBLY (73) Bridgestone Americas Tire Operations, LLC (72) COSTLOW, Douglas B. (31) 201462095456 P (32) 22.12.2014 (33) United States of America	(51) B60C 9/02 B60C 9/07 (11) EP3439896 (21) EP17717802.7 (47) 12.08.2020 (87) FR2017050750 12.10.2017 (22) 31.03.2017 (54) TYRE CARCASS REINFORCEMENT FOR A TWO-WHEELED VEHICLE (73) Compagnie Générale des Etablissements Michelin (72) GUICHERD, Charles PRECIGOUT, Mickaël BOUCHET, Romain LAURENT, Christophe (31) 1652975 (32) 05.04.2016 (33) France	(51) B60G 11/30 B60G 17/04 B60G 17/08 B60G 21/073 B62K 5/10 (11) EP3429873 (21) EP17716797.0 (47) 12.08.2020 (87) EP2017056053 21.09.2017 (22) 15.03.2017 (54) IMPROVED SUSPENSION (73) Qooder S.A. (72) MORONI, Marco MARABESE, Riccardo (31) UA20161684 (32) 15.03.2016 (33) Italy
(51) B60C 1/00 C08F 2/00 C08F 2/02 C08F 2/38 C08F 4/54 C08F 4/70 C08F 136/06 C08L 9/00 (11) EP3077455 (21) EP14824189.6 (47) 12.08.2020 (87) US2014068297 11.06.2015 (22) 03.12.2014 (54) PROCESS FOR PREPARING BLENDS OF CIS-1,4-POLYBUTADIENE AND SYNDIOTACTIC 1,2-POLYBUTADIENE (73) Bridgestone Corporation (72) MCCAULEY, Kevin Michael LUO, Steven (31) 201361911205 P (32) 03.12.2013 (33) United States of America	(51) B60C 9/20 B60C 11/03 (11) EP3541638 (21) EP17811637.2 (47) 12.08.2020 (87) FR2017053145 24.05.2018 (22) 17.11.2017 (54) TYRE CROWN FOR A HEAVY DUTY CIVIL ENGINEERING VEHICLE (73) Compagnie Générale des Etablissements Michelin (72) DOMINGO, Alain SPINNLER, Olivier (31) 1661293 (32) 21.11.2016 (33) France	(51) B60H 1/00 (11) EP3268239 (21) EP16705072.3 (47) 12.08.2020 (87) EP2016052719 15.09.2016 (22) 09.02.2016 (54) AIR-CONDITIONING CIRCUITS FOR A MOTOR VEHICLE (73) Valeo Systemes Thermiques (72) BARBIER, Thierry TIERCE, Simon PERNET, Stéphane
(51) B60C 1/00 C08K 3/04 (11) EP3427975 (21) EP18171979.0 (47) 12.08.2020	(51) B60C 13/00 (11) EP3489040 (21) EP18204930.4 (47) 12.08.2020	

(31) 1551970	(54) VEHICLE AIR-CONDITIONING-	(33) France
(32) 10.03.2015	SYSTEM-MODULE SEAL AND	(51) B60J 1/00
(33) France	ASSEMBLY WITH A VEHICLE AIR-	B60J 1/02
(51) B60H 1/00	CONDITIONING-SYSTEM-MODULE	(11) EP3530507
B60H 1/28	SEAL	(21) EP16919371.1
(11) EP2858844	(73) Valeo Klimasysteme GmbH	(47) 12.08.2020
(21) EP13729313.0	(72) WEBER, Jens	(87) JP2016080951
(47) 12.08.2020	KRÄMER, Stefan	26.04.2018
(87) EP2013061935	(31) 102014113924	(22) 19.10.2016
12.12.2013	(32) 25.09.2014	(54) WINDOW GLASS SUPPORTING
(22) 10.06.2013	(33) Germany	STRUCTURE
(54) THERMAL CONDITIONING	(51) B60H 1/00	(73) Nissan Motor Co., Ltd.
APPARATUS FOR A PASSENGER	F24H 3/08	(72) TAKEZOE Ryo
COMPARTMENT OF A VEHICLE, IN	F24H 9/00	(51) B60J 1/17
PARTICULAR AN ELECTRIC VEHICLE	(11) EP3080524	(11) EP3356168
(73) Valeo Systemes Thermiques	(21) EP14809394.1	(21) EP16829408.0
(72) MARTINELL, Amanda	(47) 12.08.2020	(47) 12.08.2020
AILLOUD, Fabrice	(87) EP2014077013	(87) FR2016053320
VINCENT, Philippe	18.06.2015	14.06.2018
LOUP, Didier	(22) 09.12.2014	(22) 09.12.2016
(31) 1255400	(54) FLUID DISTRIBUTOR, THERMAL	(54) FLUSH-FITTED GLAZED DEVICE
(32) 08.06.2012	CONDITIONING DEVICE FOR A	FOR A VEHICLE DOOR COMPRISING
(33) France	FLUID OF AN AUTOMOBILE VEHICLE	A MOVABLE PANEL, AND
(51) B60H 1/00	AND HEATING AND/OR COOLING	CORRESPONDING DOOR AND
B60H 1/32	APPARATUS THEREOF	MOTOR VEHICLE
B61D 27/00	(73) Valeo Systemes Thermiques	(73) Advanced Comfort Systems France SAS
(11) EP3192683	(72) PIERRON, Frédéric	- ACS France
(21) EP15839360.3	TELLIER, Laurent	(72) CHARGE, Philippe
(47) 12.08.2020	LEBORGNE, José	(51) B60J 1/18
(87) JP2015063109	ZHENXIA, Ma	H05B 3/06
17.03.2016	(31) 1362328	H05B 3/84
(22) 01.05.2015	(32) 10.12.2013	E05F 15/643
(54) VEHICLE AIR-CONDITIONING	(33) France	(11) EP3112572
APPARATUS AND VEHICLE	(51) B60H 1/00	(21) EP16175921.2
INCLUDING SAID AIR-CONDITIONING	H02K 5/24	(47) 12.08.2020
APPARATUS	(11) EP2586119	(22) 23.06.2016
(73) Mitsubishi Electric Corporation	(21) EP11725870.7	(54) SLIDING WINDOW ASSEMBLY
(72) YAMAMURA, Akinori	(47) 12.08.2020	(73) AGC Automotive Americas Co.
URAKAWA, Masatoshi	(87) EP2011002655	(72) Lahkala, David W
(31) 2014185099	05.01.2012	Bennett, Daniel
(32) 11.09.2014	(22) 30.05.2011	(31) 201514755677
(33) Japan	(54) MOTOR MOUNTING HAVING A DEVICE	(32) 30.06.2015
(51) B60H 1/00	FOR LIMITING MOVEMENTS	(33) United States of America
B60H 3/00	(73) Valeo Systèmes Thermiques	(51) B60J 1/20
F28G 9/00	(72) TRUILLET, Franck	B60R 5/04
(11) EP3224068	(31) 1002652	B60R 21/08
(21) EP15785141.1	(32) 24.06.2010	(11) EP3401138
(47) 12.08.2020	(33) France	(21) EP17170211.1
(87) EP2015074935	(51) B60H 1/22	(47) 12.08.2020
02.06.2016	F24H 9/18	(22) 09.05.2017
(22) 28.10.2015	H01R 9/22	(54) LOAD COVER ARRANGEMENT
(54) HEATING, VENTILATION AND/OR	H01R 43/24	(73) Volvo Car Corporation
AIR-CONDITIONING DEVICE FOR A	H05B 3/50	(72) Hörnström, Urban
MOTOR VEHICLE	(11) EP1998406	Persson, Anton
(73) Valeo Systemes Thermiques	(21) EP08156966.7	Köster, Albin
(72) BRAULT, Julien	(47) 12.08.2020	(51) B60J 5/04
PERNET, Stéphane	(22) 27.05.2008	(11) EP3145741
(31) 1461662	(54) Electrical connection device between	(21) EP15731639.9
(32) 28.11.2014	a power input source and an electric	(47) 12.08.2020
(33) France	radiator, and method for manufacturing	(87) FR2015051339
(51) B60H 1/00	such a connection device	26.11.2015
B60R 13/08	(73) Valeo Systèmes Thermiques	(22) 21.05.2015
F16L 5/10	(72) Terranova, Gilbert	(54) REINFORCED MOTOR VEHICLE DOOR
F16L 5/14	Puzenat, Bertrand	(73) Renault S.A.S.
(11) EP3000632	Gatinois, Jean	(72) PRUVOST, Laurent
(21) EP15186330.5	Tellier, Laurent	(31) 1454562
(47) 12.08.2020	(31) 0703910	(32) 21.05.2014
(22) 22.09.2015	(32) 01.06.2007	

(33) France	(11) EP3250405	Germany
(51) B60J 5/04	(21) EP16700860.6	(51) B60K 11/08
B60J 5/10	(47) 12.08.2020	F25B 1/00
(11) EP3056366	(87) EP2016000069	F25B 39/02
(21) EP16154685.8	04.08.2016	F28F 13/12
(47) 12.08.2020	(22) 15.01.2016	(11) EP3524916
(22) 08.02.2016	(54) AIR DEFLECTING DEVICE FOR AN	(21) EP16918266.4
(54) VEHICLE EXTERIOR DESIGN	OPEN AUTOMOBILE	(47) 12.08.2020
MEMBER AND VEHICLE BACK DOOR	(73) Daimler AG	(87) JP2016079500
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(72) KRÖBER, Stefan	12.04.2018
(72) IKEDA, Koki	MELCHGER, Nicolai	(22) 04.10.2016
AYUKAWA, Tatsuya	MOESSNER, Alexander	(54) VORTEX GENERATION DEVICE AND
(31) 2015025442	REINBERG, Stephan	REFRIGERATION CYCLE APPARATUS
(32) 12.02.2015	TOKUNO, Hironori	(73) Mitsubishi Electric Corporation
(33) Japan	WENZLER, Joachim	The University Of Tokyo
(51) B60J 5/06	(31) 102015000964	(72) MAEDA, Tsuyoshi
(11) EP3482981	102015011794	ISHIBASHI, Akira
(21) EP18199886.5	(32) 27.01.2015	HIGASHIUE, Shinya
(47) 12.08.2020	05.09.2015	ITO, Daisuke
(22) 11.10.2018	(33) Germany	NAKAMURA, Shin
(54) CANVAS COVER AND CANVAS UNIT	Germany	AKAIWA, Ryota
FOR A COMMERCIAL VEHICLE	(51) B60J 10/16	YATSUYANAGI, Akira
(73) Schmitz Cargobull AG	B60J 10/265	KOMIYA, Yuta
(72) Derks, Roger Gerardus Christiaan	B60J 10/88	HIHARA, Eiji
(31) 102017126055	(11) EP3275711	DANG, Chaobin
(32) 08.11.2017	(21) EP17187378.9	LI, Jiyang
(33) Germany	(47) 12.08.2020	(51) B60K 13/04
(51) B60J 5/06	(22) 15.05.2014	F01N 3/00
B60R 13/02	(54) SEALING MEMBER	F01N 13/00
(11) EP3400145	(73) Henniges Automotive Sealing Systems	F01N 13/18
(21) EP16826426.5	North America, Inc.	(11) EP3524459
(47) 12.08.2020	(72) Murree, Steve J.	(21) EP19154382.6
(87) FR2016053596	Lagerstrom, Michael J.	(47) 12.08.2020
13.07.2017	(31) 201313894932	(22) 30.01.2019
(22) 21.12.2016	(32) 15.05.2013	(54) SADDLE RIDING VEHICLE
(54) HANDLE FOR SLIDING DOOR	(33) United States of America	(73) Honda Motor Co., Ltd.
CARRIER FOR A VEHICLE	(51) B60K 5/04	(72) Sano, Takahiro
(73) PSA AUTOMOBILES S.A.	B60K 5/12	Tadokoro, Hiroshi
(72) DUVEAU, Christophe	B60K 17/08	(31) 2018022568
(31) 1650119	B62D 21/11	(32) 09.02.2018
(32) 07.01.2016	(11) EP3184337	(33) Japan
(33) France	(21) EP15202307.3	(51) B60K 15/03
(51) B60J 5/10	(47) 12.08.2020	B60K 15/035
B62D 25/10	(22) 23.12.2015	F01N 3/20
B62D 29/04	(54) ARRANGEMENT FOR ROTATIONAL	F16K 24/04
(11) EP3055150	DECOUPLING OF ENGINE AND	(11) EP3233555
(21) EP14799541.9	TRANSMISSION	(21) EP15877324.2
(47) 12.08.2020	(73) Volvo Car Corporation	(47) 12.08.2020
(87) IB2014065127	(72) Eriksson, Sören	(87) US2015065682
16.04.2015	(51) B60K 6/40	14.07.2016
(22) 07.10.2014	(11) EP3448706	(22) 15.12.2015
(54) CLOSED SECTION GEOMETRY,	(21) EP17724746.7	(54) FUEL LIMIT VENT VALVE HAVING
HOLLOW SHAPE, VEHICLE	(47) 12.08.2020	VAPOR PERMEABLE MEMBRANE
COMPONENTS	(87) DE2017100337	(73) Eaton Corporation
(73) SABIC Global Technologies B.V.	02.11.2017	(72) MEMMER, Matthew
(72) DASSEN, Tim Willem Joseph Leonard	(22) 25.04.2017	MOY, Curtis T.
BRANDS, Davy Wilhelmus Anna	(54) HYBRID MODULE AND A DRIVE	MILLS, Vaughn K.
MARTIN, Claire Marie-Annick	ARRANGEMENT FOR A MOTOR	PAI, Sreenivas
YANEV, Angel Stoyanov	VEHICLE	MOHITE, Sanjay
SHELLEKENS, Geert Jan	(73) Schaeffler Technologies AG & Co. KG	(31) PCT/US2014/071118
(31) 201361887687 P	(72) KELLER, Aurelie	3764DE2014
201461935718 P	REIMNITZ, Dirk	(32) 18.12.2014
(32) 07.10.2013	BAUMANN, Michael	18.12.2014
04.02.2014	(31) 102016207104	(33) World Intellectual Property Office (WIPO)
(33) United States of America	102016223135	India
United States of America	(32) 27.04.2016	(51) B60K 15/03
(51) B60J 7/22	23.11.2016	B60K 15/067
	(33) Germany	(11) EP3272566



(21) EP17181220.9	(22) 08.04.2015	B65G 54/02
(47) 12.08.2020	(54) VEHICLE CONTROL APPARATUS AND METHOD THEREOF	E01B 25/34
(22) 13.07.2017		(11) EP3521512
(54) VEHICLE WITH A VEHICLE TANK AND REINFORCEMENT FOR A VEHICLE TANK	(73) LG Electronics Inc.	(21) EP19161313.2
(73) Deere & Company	(72) Kim, Seonghwan	(47) 12.08.2020
(72) Patino, Mario	Lyu, Hyunsun	(22) 03.09.2014
Rabut, Oliver	Han, Minah	(54) DEVICE AND METHOD FOR SWITCHING PASSIVE POINTS FOR TRANSPORT SYSTEMS WITH LINEAR MOTORS
Müller, Patrik	(31) 20140043051	
(31) 102016213103	(32) 10.04.2014	(73) KRONES Aktiengesellschaft
(32) 18.07.2016	(33) Korea (Republic)	(72) Josefowitz, Mareike
(33) Germany		Prinz, Markus
(51) B60K 17/16	(51) B60L 1/00	Elsperger, Stefan
H02K 5/15	B60L 3/04	Kieslinger, Manfred
H02K 7/08	B60L 50/20	Senn, Konrad
H02K 7/116	B60L 53/14	(31) 102013218389
H02K 9/19	B60L 53/30	(32) 13.09.2013
H02K 15/16	B60L 53/31	(33) Germany
(11) EP3079238	(11) EP2423029	
(21) EP15162666.0	(21) EP11170880.6	(51) B60L 13/00
(47) 12.08.2020	(47) 12.08.2020	H02K 41/02
(22) 07.04.2015	(22) 22.06.2011	H02K 41/03
(54) ELECTRICAL MACHINE ASSEMBLY AND MOTOR VEHICLE TRANSMISSION GEARBOX	(54) Mobile charging device for electric bicycles, electrical connection element and charging device for electric bicycles	H02N 1/00
(73) Magna PT B.V. & Co. KG	(73) Robert Bosch GmbH	H02P 13/00
(72) Ihben, Harald	(72) Dasbach, Gregor	(11) EP3461677
Berg, Holger	Blin, Christophe	(21) EP18197204.3
Schweiher, Mark	(31) 102010039855	(47) 12.08.2020
Hoffmeister, Thomas	(32) 27.08.2010	(22) 27.09.2018
(51) B60K 35/00	(33) Germany	(54) MID-BUS VOLTAGE GENERATION VIA IDLE PHASES IN A LINEAR MOTOR TRACK SYSTEM
B60K 37/02	(51) B60L 3/04	(73) Rockwell Automation Technologies, Inc.
(11) EP3450240	G01R 31/00	(72) OZIMEK, Patrick E.
(21) EP18178516.3	H02H 3/16	HOFFMAN, Jonathan D.
(47) 12.08.2020	(11) EP2860838	(31) 201715720353
(22) 19.06.2018	(21) EP14188203.5	(32) 29.09.2017
(54) DISPLAY DEVICE AND VEHICLE HAVING THE SAME	(47) 12.08.2020	(33) United States of America
(73) LG Electronics Inc.	(22) 08.10.2014	
(72) KIM, Sangwon	(54) Apparatus and method for automatic ground fault location determination in high resistance grounded motor drive system	(51) B60L 15/20
KIM, Kyunglack	(73) Rockwell Automation Technologies, Inc.	F16D 41/12
CHO, Junman	(72) Wei, Lixiang	B62M 1/10
HWANG, Sangroc	McGuire, Jeffrey D.	B62M 6/55
(31) 20170113317	Hu, Jjiangang	(11) EP3287355
(32) 05.09.2017	Liu, Zhijun	(21) EP16782786.4
(33) Korea (Republic)	(31) 201314048156	(47) 12.08.2020
(51) B60K 37/02	(32) 08.10.2013	(87) JP2016002047
(11) EP2920019	(33) United States of America	27.10.2016
(21) EP13799423.2	(51) B60L 3/04	(22) 15.04.2016
(47) 12.08.2020	H01H 39/00	(54) ELECTRIC BICYCLE AND HUB DEVICE FOR ELECTRIC BICYCLES
(87) US2013068949	(11) EP3429885	(73) Panasonic Intellectual Property Management Co., Ltd.
22.05.2014	(21) EP17708793.9	(72) KAWAKAMI, Masafumi
(22) 07.11.2013	(47) 12.08.2020	YOSHIMURA, Masaya
(54) ILLUMINATED VEHICLE INTERIOR COMPONENT	(87) EP2017055130	(31) 2015085509
(73) Shanghai Yanfeng Jinqiao Automotive Trim Systems Co., Ltd.	21.09.2017	(32) 20.04.2015
(72) FRENS, Jonathan M.	(22) 06.03.2017	(33) Japan
CATLIN, Michael	(54) DC OVERCURRENT PROTECTION APPARATUS	(51) B60M 1/18
(31) 201261725815 P	(73) Bayerische Motoren Werke Aktiengesellschaft	B60M 1/36
(32) 13.11.2012	(72) WAAG, Wladislaw	(11) EP3256342
(33) United States of America	(31) 102016204287	(21) EP16708384.9
(51) B60K 37/06	(32) 16.03.2016	(47) 12.08.2020
G06F 3/0488	(33) Germany	(87) EP2016054390
(11) EP2933130	(51) B60L 13/00	22.09.2016
(21) EP15000997.5	B60L 13/10	(22) 02.03.2016
(47) 12.08.2020	B65G 47/64	(54) CONTACT LINE SYSTEM
		(73) Siemens Mobility GmbH
		(72) NOACK, Maik
		(31) 102015205009

(32) 19.03.2015	CAO, Lei	(11) EP3446920
(33) Germany	ADWELL, Brian	(21) EP18173766.9
(51) B60N 2/015	(31) 413585 P	(47) 12.08.2020
B64D 11/06	(32) 15.11.2010	(22) 23.05.2018
(11) EP3323725	(33) United States of America	(54) VEHICLE FURNITURE SYSTEM
(21) EP16199199.7	(51) B60N 2/28	(73) Ford Global Technologies, LLC
(47) 12.08.2020	(11) EP3431332	(72) HOGGARTH, Marcus
(22) 16.11.2016	(21) EP18184747.6	DE SAULLES, Stephen
(54) AIRCRAFT SEAT KIT, AIRCRAFT SEAT AND CABIN ARRANGEMENT WITH DIFFERENT TYPES OF SEAT RAIL ADAPTERS	(47) 12.08.2020	(31) 201713619
(73) Airbus Operations GmbH	(22) 20.07.2018	(32) 24.08.2017
(72) Weifenbach, Jörg	(54) A PULL-UP BELT TIGHTENING STATE DETECTING SYSTEM AND A CHILD SAFETY CHAIR COMPRISING SUCH DETECTING SYSTEM	(33) United Kingdom
(51) B60N 2/02	(73) Ningbo Baby First Baby Products Co., Ltd.	(51) B60P 1/64
B60N 2/24	(72) XU, LIHONG	B62D 21/04
B60N 2/30	(31) 201720895498 U	B62D 21/14
B60N 2/68	(32) 21.07.2017	B62D 53/06
B61D 33/00	(33) China	(11) EP3501891
B64D 11/06	(51) B60N 2/28	(21) EP18198527.6
B60N 2/75	B60N 2/68	(47) 12.08.2020
(11) EP3459852	(11) EP3453565	(47) 12.08.2020
(21) EP18196423.0	(21) EP18192973.8	(22) 04.10.2018
(47) 12.08.2020	(47) 12.08.2020	(54) OCTAGONAL TELESCOPIC EXTENSIBLE CONTAINER CARRIER VEHICLE
(22) 25.09.2018	(22) 06.09.2018	(73) Tirsan Treyler Sanayi Ve Ticaret Anonim Sirketi
(54) PASSENGER SEAT ASSEMBLY, SYSTEM OF PASSENGER SEATS AND METHOD FOR INSTALLING A PASSENGER SEAT SYSTEM	(54) VEHICLE SEAT, SEAT COMPONENT AND IMPACT PROTECTION	(72) DOGU, CAVIT CEYHUN
(73) Airbus Operations GmbH	(73) BBP Kunststoffwerk Marbach Baier GmbH	UZÇAKAR, YASEMIN
(72) Ehlers, Bernd	(72) Baier, Marc G.	(31) 201720832
Behrens, Stefan	(31) 102017120516	(32) 19.12.2017
Herzog, Mark	(32) 06.09.2017	(33) Turkey
Schulz, Alexander	(33) Germany	(51) B60P 7/08
Strieth-Kalthoff, Max	(51) B60N 2/42	(11) EP3248837
Giesa, Hans-Gerhard	B60N 2/427	(21) EP16171307.8
Jacobsen, Sönke	B60R 21/00	(47) 12.08.2020
Weifenbach, Jörg	B60R 21/16	(22) 25.05.2016
(31) 102017122252	B60R 21/235	(54) BOX BODY OF A COMMERCIAL VEHICLE WITH LOAD SECURING RAIL
(32) 26.09.2017	B60R 22/00	(73) Schmitz Cargobull AG
(33) Germany	B60R 22/02	(72) Beelmann, Reinhard
(51) B60N 2/06	(11) EP3514007	(51) B60Q 1/04
B60N 2/12	(21) EP19151881.0	B60Q 1/12
B60N 2/30	(47) 12.08.2020	B60Q 1/18
B60N 2/856	(22) 15.01.2019	F21S 41/14
B60N 2/874	(54) VEHICLE SEAT	F21S 41/27
B60N 2/90	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(11) EP2142846
(11) EP2640602	(72) FUKAWATASE, Osamu	(21) EP08748194.1
(21) EP11842186.6	ITO, Shun	(47) 12.08.2020
(47) 12.08.2020	(31) 2018006569	(87) CA2008000792
(87) CA2011001269	(32) 18.01.2018	20.11.2008
24.05.2012	(33) Japan	(22) 28.04.2008
(22) 15.11.2011	(51) B60N 2/80	(54) LED HEADLAMP WITH CORNER ILLUMINATION
(54) ONE TOUCH STOW IN FLOOR SEAT ASSEMBLY WITH AUTOMATIC LATERAL DISPLACEMENT	B60N 2/885	(73) Magna International Inc.
(73) Magna Seating Inc.	(11) EP3323674	(72) MCFADDEN, James R.
(72) WHITE, David A.	(21) EP17200164.6	WOODWARD, Ronald O.
JAGTAP, Prasad D.	(47) 12.08.2020	(31) 928373 P
PROULX, Alan	(22) 06.11.2017	(32) 09.05.2007
BRUSH, Timothy John	(54) VEHICLE SEAT	(33) United States of America
CARROLL, Jeffrey P.	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(51) B60Q 1/12
TAME, Omar D.	Toyota Boshoku Kabushiki Kaisha	(11) EP2384932
COFFEY, Robert Thomas	(72) IWASAKI, Keita	(21) EP11003637.3
PERSAD, Rabindranath	TODA, Keisuke	(47) 12.08.2020
DINGEL, Douglas A.	(31) 2016221926	(22) 04.05.2011
HURST, Nelson E., III	(32) 14.11.2016	(54) Method for predictive control of an adaptive headlamp and motor vehicle
DZIEDZIC, Jerzy	(33) Japan	(73) Audi AG
	(51) B60N 3/00	(72) Siedersbeck, Alfons
		Funk, Christian
		(31) 102010019835

(32) 08.05.2010	(54) VISUAL LOCATING DEVICE FOR A	(32) 22.12.2015
(33) Germany	MOTOR VEHICLE	(33) Korea (Republic)
(51) B60Q 1/14	(73) FCA Italy S.p.A.	(51) B60R 7/08
(11) EP3353013	(72) MAININI, Andrea	(11) EP3501901
(21) EP16770285.1	ERARIO, Antonio	(21) EP17208692.8
(47) 12.08.2020	(31) TO20120862	(47) 12.08.2020
(87) EP2016072725	(32) 03.10.2012	(22) 19.12.2017
30.03.2017	(33) Italy	(54) STORAGE HOUSING, ESPECIALLY
(22) 23.09.2016	(51) B60R 1/00	FOR GLASSES, AND ROOF MODULE
(54) PROJECTION OF A PRE-DEFINABLE	G06K 9/00	COMPRISING SUCH A STORAGE
LIGHT PATTERN	G06K 9/32	HOUSING
(73) Audi AG	G08G 1/16	(73) DAV
(72) VARGAS RIVERO, Jose Roberto	G06T 7/00	(72) LICKO, Lubos
GUT, Carsten	(11) EP2863361	(51) B60R 11/00
REIM, Johannes	(21) EP13806529.7	B60R 11/02
(31) 102015012416	(47) 12.08.2020	B64D 11/00
(32) 25.09.2015	(87) JP2013066331	(11) EP3354570
(33) Germany	27.12.2013	(21) EP18153827.3
(51) B60Q 1/14	(22) 13.06.2013	(47) 12.08.2020
F21S 41/143	(54) OBJECT DETECTION DEVICE FOR	(22) 29.01.2018
F21S 41/663	AREA AROUND VEHICLE	(54) MONITOR AND ATTACHING-
F21S 41/692	(73) Ichikoh Industries, Ltd.	DETACHING DEVICE THEREFOR
(11) EP2586659	(72) HONDA, Keisuke	(73) Panasonic Intellectual Property
(21) EP12190134.2	KURIMOTO, Hideto	Management Co., Ltd.
(47) 12.08.2020	(31) 2012137737	(72) Yokota, Kiyoshi
(22) 26.10.2012	(32) 19.06.2012	Tomita, Kaname
(54) Vehicle headlamp	(33) Japan	(31) 201762452527 P
(73) Koito Manufacturing Co., Ltd.	(51) B60R 3/00	(32) 31.01.2017
(72) Komatsu, Motohiro	B60R 3/02	(33) United States of America
Inoue, Takashi	B62D 33/023	(51) B60R 13/02
Mochizuki, Mitsuyuki	B62D 33/027	(11) EP3498539
Sugiyama, Yuji	E05D 3/02	(21) EP18211677.2
(31) 2011236958	E05D 11/10	(47) 12.08.2020
(32) 28.10.2011	(11) EP2938534	(22) 11.12.2018
(33) Japan	(21) EP13869840.2	(54) ROOF ELEMENT FOR STIFFENING A
(51) B60Q 1/38	(47) 12.08.2020	VEHICLE ROOF
B60Q 1/44	(87) CA2013050984	(73) ADHEX TECHNOLOGIES
B60Q 1/46	03.07.2014	(72) DURAND, Hervé
B60Q 1/52	(22) 18.12.2013	JACSON, Vincent
(11) EP3177484	(54) STOWABLE TAILGATE HANDLE	ODILLE, Quentin
(21) EP16801945.3	ASSEMBLY	(31) 1762009
(47) 12.08.2020	(73) MULTIMATIC INC.	(32) 12.12.2017
(87) US2016015125	(72) WORDEN, Scott, David	(33) France
13.04.2017	HODZA, Muamer	(51) B60R 13/02
(22) 27.01.2016	COSTA, Antonio	B62D 25/06
(54) ENHANCED COMMUNICATION	LEE, Geoffrey	(11) EP3486149
SYSTEM FOR VEHICLE HAZARD	(31) 2800070	(21) EP17202867.2
LIGHTS	(32) 28.12.2012	(47) 12.08.2020
(73) Ess-Help, Inc.	(33) Canada	(22) 21.11.2017
(72) TUCKER, Daniel, Anthony	(51) B60R 7/06	(54) A FRONT HEADER STRUCTURE AND
COBB, John, Zachariah	B60R 11/02	A VEHICLE COMPRISING A FRONT
TORKELSON, Jonathan	B60R 11/04	HEADER STRUCTURE
KIMBERLIN, Denver	F16H 1/16	(73) Ningbo Geely Automobile Research &
MAURYA, Devender, Nath	F16H 19/04	Development Co., Ltd.
(31) 201514875883	(11) EP3393858	(72) WU, Biquan
201514933881	(21) EP16879208.3	(51) B60R 16/02
(32) 06.10.2015	(47) 12.08.2020	B60R 16/023
05.11.2015	(87) KR2016014067	H01R 4/34
(33) United States of America	29.06.2017	H02G 3/16
United States of America	(22) 01.12.2016	(11) EP3528356
(51) B60Q 1/48	(54) CRADLE ASSEMBLY FOR VEHICLE	(21) EP17859705.0
(11) EP2903862	CAPABLE OF CONNECTING WITH	(47) 12.08.2020
(21) EP13803240.4	MOBILE TERMINAL	(87) JP2017034282
(47) 12.08.2020	(73) LG Electronics Inc.	19.04.2018
(87) IB2013059099	(72) AN, Sungje	(22) 22.09.2017
10.04.2014	SHIN, Jeongeun	(54) ELECTRICAL CONNECTION BOX
(22) 03.10.2013	CHANG, Sukjin	(73) Sumitomo Wiring Systems, Ltd.
	(31) 20150183508	

(72) MATSUURA, Daisuke (31) 2016201834 (32) 13.10.2016 (33) Japan	(54) POWER DISTRIBUTION MODULE AND VEHICLE CIRCUIT WITH AT LEAST ONE POWER DISTRIBUTION MODULE	(32) 04.05.2018 (33) France
(51) B60R 16/02 G06F 11/00 G06F 13/00 G08G 1/00 G06F 9/445 (11) EP3133498 (21) EP15780142.4 (47) 12.08.2020 (87) JP2015061216 22.10.2015 (22) 10.04.2015 (54) DATA DELIVERY SYSTEM, CONTROL SERVER, AND DATA DELIVERY METHOD	(73) LEONI Bordnetz-Systeme GmbH (72) DÖRNBACH, Sebastian GRABS, Peter ULJANOW, Ilja (31) 102016222173 (32) 11.11.2016 (33) Germany	(51) B60R 21/232 B60R 21/2338 (11) EP3535166 (21) EP17790773.0 (47) 12.08.2020 (87) EP2017077405 11.05.2018 (22) 26.10.2017
(73) Clarion Co., Ltd. (72) KAWAMURA, Shinji SUMITOMO, Yoshitaka (31) 2014084218 (32) 16.04.2014 (33) Japan	(51) B60R 16/04 H01M 2/10 (11) EP3455891 (21) EP17795506.9 (47) 12.08.2020 (87) CN2017083460 16.11.2017 (22) 08.05.2017	(54) MOTOR VEHICLE AIRBAG WITH RETAINING STRAP AND METHOD FOR MANUFACTURING SUCH AN AIRBAG (73) Dalphi Metal España, S.A. (72) GRAÑA MENDUIÑA, Joaquin (31) 102016120987 (32) 03.11.2016 (33) Germany
(51) B60R 16/03 H01M 2/10 H01M 4/36 H01M 10/30 H01M 10/34 H01M 10/44 H01M 10/48 H01M 16/00 H02J 7/00 H02J 7/34 H01M 4/13 H01M 4/131 H01M 4/505 H01M 4/525 H01M 4/58 H02J 7/02 (11) EP3358697 (21) EP16851456.0 (47) 12.08.2020 (87) JP2016078294 06.04.2017 (22) 26.09.2016 (54) POWER STORAGE SYSTEM AND VEHICLE	(73) Ningbo Geely Automobile Research & Development Co., Ltd. (72) KRANTZ, Bernt VIIPPOLA, Patrik (31) 1650622 (32) 09.05.2016 (33) Sweden	(51) B60R 21/26 (11) EP2914461 (21) EP13854334.3 (47) 12.08.2020 (87) US2013057082 22.05.2014 (22) 28.08.2013 (54) PYROTECHNIC INFLATOR WITH CENTRAL DIFFUSER AND OVERWRAP (73) Autoliv ASP, Inc. (72) SMITH, Bradley, W. COX, Matthew, A. (31) 201213664023 (32) 30.10.2012 (33) United States of America
(73) Murata Manufacturing Co., Ltd. (72) KAWAI Toru KAMITANI Gaku OTSUKA Masahiro YAMATO Ryoji (31) 2015190931 (32) 29.09.2015 (33) Japan	(31) 2018090253 (32) 08.05.2018 (33) Japan	(51) B60R 21/34 B60R 19/52 (11) EP3527438 (21) EP19156573.8 (47) 12.08.2020 (22) 12.02.2019 (54) GRILLE INNER ATTACHMENT STRUCTURE (73) TOYOTA JIDOSHA KABUSHIKI KAISHA (72) SHINOHARA, Masaomi (31) 2018025393 (32) 15.02.2018 (33) Japan
(51) B60R 16/03 H02H 3/24 H02H 7/26 H03K 17/284 (11) EP3539192 (21) EP17801400.7 (47) 12.08.2020 (87) EP2017078818 17.05.2018 (22) 09.11.2017	(51) B60R 19/48 B60R 21/0134 B60R 21/017 (11) EP3310624 (21) EP16738077.3 (47) 12.08.2020 (87) EP2016064315 29.12.2016 (22) 21.06.2016 (54) COLLISION DIAGNOSIS FOR A TRAFFIC EVENT (73) Octo Telematics S.p.A. (72) CAPOZZA, Massimo (31) 201510973 (32) 22.06.2015 (33) United Kingdom	(51) B60R 22/40 B60R 22/405 B60R 22/42 B60R 22/46 (11) EP3362327 (21) EP16856083.7 (47) 12.08.2020 (87) US2016056574 20.04.2017 (22) 12.10.2016 (54) SEALED WEB RETRACTORS FOR PERSONAL RESTRAINT SYSTEMS AND ASSOCIATED SYSTEMS AND METHODS (73) Shield Restraint Systems, Inc. (72) CLARK, John MARRIOTT, Brandon S. BABIN, Brian (31) 201562241762 P 201615226497 (32) 15.10.2015 02.08.2016

(33) United States of America United States of America	(73) Robert Bosch GmbH (72) BENCSIK, Barnabas TRUYENS, Stijn KRAEMER, Godelieve LAMMENS, Koen VERELST, Hubert BUBBA, Marcello (31) 102016211162 (32) 22.06.2016 (33) Germany	(54) SYSTEM FOR CLEANING A GLAZED VEHICLE SURFACE (73) Valeo Systèmes d'Essuyage (72) GIRAUD, Frédéric LE LIGNE, Christophe (31) 1757612 (32) 09.08.2017 (33) France
(51) B60R 25/24 G07C 9/00 (11) EP3099545 (21) EP15702957.0 (47) 12.08.2020 (87) DE2015100006 06.08.2015 (22) 07.01.2015 (54) ASSEMBLY MODULE FOR A MOTOR VEHICLE (73) Huf Hülsbeck & Fürst GmbH & Co. KG (72) SCHINDLER, Mirko STICHERLING, Nadine MÖNIG, Stefan SCHUMACHER, Helmut ZIEGLER, Alexander LINDIC, Iko HACHE, Christof MÜLLER, Oliver HELLER, Norbert YOMKIL MALABO, Jean ETTE, Bernd (31) 102014101201 (32) 31.01.2014 (33) Germany	(51) B60S 1/38 B60S 1/46 B60S 1/52 (11) EP3178710 (21) EP15829247.4 (47) 12.08.2020 (87) JP2015065201 11.02.2016 (22) 27.05.2015 (54) WIPER DEVICE AND NOZZLE UNIT (73) Mitsuba Corporation Honda Motor Co., Ltd. (72) SHIMOYAMA, Masayuki ARIMA, Masayuki YONAGA, Masaya SASAKI, Takeshi OHMARU, Tsatsuya GOTO, Taisuke (31) 2014162458 2014162459 2014162460 (32) 08.08.2014 08.08.2014 08.08.2014 (33) Japan Japan Japan	(51) B60S 3/00 B60S 3/04 (11) EP3392100 (21) EP18168276.6 (47) 12.08.2020 (22) 19.04.2018 (54) TREATMENT LINE WITH VEHICLE POSITION MONITORING (73) Otto Christ AG (72) CHRIST, Markus (31) 202017102312 U (32) 19.04.2017 (33) Germany
(51) B60R 25/34 (11) EP3261884 (21) EP16756302.2 (47) 12.08.2020 (87) US2016019407 01.09.2016 (22) 24.02.2016 (54) GLASS BREAK SENSOR SYSTEM (73) Innovative Aftermarket Group (72) AVILA, Carl, Anthony (31) 201562120203 P 201562134349 P (32) 24.02.2015 17.03.2015 (33) United States of America United States of America	(51) B60S 1/38 B60S 1/46 B60S 1/52 (11) EP3461702 (21) EP18199797.4 (47) 12.08.2020 (22) 27.05.2015 (54) WIPER APPARATUS AND NOZZLE UNIT (73) Mitsuba Corporation HONDA MOTOR CO., LTD. (72) SHIMOYAMA, Masayuki ARIMA, Masayuki YONAGA, Masaya SASAKI, Takeshi OHMARU, Tatsuya GOTO, Taisuke (31) 2014162458 2014162459 2014162460 (32) 08.08.2014 08.08.2014 08.08.2014 (33) Japan Japan Japan	(51) B60S 3/06 (11) EP3585660 (21) EP18707672.4 (47) 12.08.2020 (87) EP2018054120 30.08.2018 (22) 20.02.2018 (54) METHOD AND SYSTEM FOR TREATING THE SURFACE OF A VEHICLE (73) WashTec Holding GmbH (72) AUER, Robert CONRAD, Ferdinand (31) 102017103841 (32) 24.02.2017 (33) Germany
(51) B60S 1/08 B60S 1/48 (11) EP2938522 (21) EP13805335.0 (47) 12.08.2020 (87) EP2013076105 03.07.2014 (22) 10.12.2013 (54) WIPING DEVICE AND DRIVING METHOD THEREFORE (73) Robert Bosch GmbH (72) KRAEMER, Godelieve ERNST, Waldemar (31) 102012224478 (32) 28.12.2012 (33) Germany	(51) B60S 1/38 B60S 1/40 (11) EP3475128 (21) EP17729857.7 (47) 12.08.2020 (87) EP2017064376 28.12.2017 (22) 13.06.2017 (54) WIPER BLADE ADAPTER DEVICE	(51) B60T 7/06 G05G 1/327 (11) EP3594776 (21) EP19171642.2 (47) 12.08.2020 (22) 29.04.2019 (54) A PEDAL ASSEMBLY FOR A MOTOR VEHICLE (73) CJ Automotive AB (72) AMIRIAN, Mahdi (31) 1850876 (32) 10.07.2018 (33) Sweden
(51) B60S 1/48 B60S 1/40 (11) EP3475128 (21) EP17729857.7 (47) 12.08.2020 (87) EP2017064376 28.12.2017 (22) 13.06.2017 (54) WIPER BLADE ADAPTER DEVICE	(51) B60S 1/48 (11) EP3441270 (21) EP18185643.6 (47) 12.08.2020 (22) 26.07.2018	(51) B60T 7/12 (11) EP3532351 (21) EP17797210.6 (47) 12.08.2020 (87) US2017057498 03.05.2018

(22) 20.10.2017	(72) Wienss, Andreas	(54) BRAKE DEVICE FOR HYDRAULIC
(54) ADAPTIVE BRAKING FOR A VEHICLE	Widmaier, Georg	BRAKE SYSTEM
CONTROL SYSTEM	Faust, Arno	(73) Continental Teves AG & Co. OHG
(73) Bendix Commercial Vehicle Systems LLC	Dasbach, Gregor	(72) GONZALEZ, Jose
(72) KENNEDY, Andrew, L.	Greiner, Rinaldo	KREH, Heinrich
LESHER, Michael, K.	(31) 102017200053	MESSNER, Adrian
(31) 201615336041	(32) 04.01.2017	RÜFFER, Manfred
(32) 27.10.2016	(33) Germany	WIEBE, Paul
(33) United States of America	(51) B60T 8/32	PETZOLD, Falk
(51) B60T 8/17	B62L 1/00	JÜRGING, Michael
(11) EP3109108	(11) EP3535180	TOQUERO, Ricardo
(21) EP16176363.6	(21) EP17794790.0	SCHIEL, Lothar
(47) 12.08.2020	(47) 12.08.2020	DRUMM, Stefan
(22) 27.06.2016	(87) IB2017056872	(31) 102015223048
(54) SYSTEMS AND METHODS	11.05.2018	(32) 23.11.2015
FOR ELECTRIC BRAKE FORCE	(22) 03.11.2017	(33) Germany
ESTIMATION TOLERANT TO	(54) MOTORBIKE WITH A PHONIC WHEEL	(51) B60W 10/04
DRIVETRAIN STICTION	SENSOR SUPPORTING STRUCTURE	B60W 10/06
(73) Goodrich Corporation	(73) PIAGGIO & C. S.p.A.	B60W 10/30
(72) AYICHEW, Efram E.	(72) SOATTI, Piero	F01N 3/02
(31) 201514752611	BONORA, Alessandro	F01N 3/035
(32) 26.06.2015	CALO, Roberto`	F01N 3/10
(33) United States of America	(31) 201600111385	F02D 29/00
(51) B60T 8/1755	(32) 04.11.2016	F02D 41/02
B62D 11/08	(33) Italy	F16H 59/74
(11) EP3090907	(51) B60T 8/32	F16H 61/00
(21) EP15166329.1	B62L 1/00	F16H 61/02
(47) 12.08.2020	(11) EP3535179	F16H 61/66
(22) 05.05.2015	(21) EP17794789.2	B60W 10/10
(54) SECONDARY STEERING SYSTEM	(47) 12.08.2020	B60W 10/101
UNIT, SECONDARY STEERING	(87) IB2017056869	B60W 10/103
SYSTEM, VEHICLE AND A METHOD	11.05.2018	(11) EP2617616
FOR SECONDARY STEERING	(22) 03.11.2017	(21) EP11825047.1
(73) Volvo Car Corporation	(54) SUPPORTING SYSTEM FOR A	(47) 12.08.2020
(72) Jonasson, Mats	PHONIC WHEEL SENSOR	(87) JP2011070363
Thor, Mikael	(73) PIAGGIO & C. S.p.A.	22.03.2012
(51) B60T 8/32	(72) SOATTI, Piero	(22) 07.09.2011
B60T 8/42	BONORA, Alessandro	(54) DRIVING SYSTEM CONTROLLER OF
B62L 1/00	CALO`, Roberto	WORKING VEHICLE
B62L 3/02	(31) 201600111381	(73) Yanmar Co., Ltd.
(11) EP3345820	(32) 04.11.2016	(72) OOUCHIDA, Takeshi
(21) EP17207629.1	(33) Italy	YUZAKI, Keiichirou
(47) 12.08.2020	(51) B60T 8/36	MIYAMOTO, Takashi
(22) 15.12.2017	F16K 31/06	HIRAI, Tadao
(54) BRAKE ADAPTING DEVICE,	(11) EP3526086	(31) 2010208391
HYDRAULIC BRAKE SYSTEM AND	(21) EP17769076.5	(32) 16.09.2010
VEHICLE	(47) 12.08.2020	(33) Japan
(73) Robert Bosch GmbH	(87) EP2017073721	(51) B60W 10/04
(72) Wienss, Andreas	19.04.2018	B60W 10/20
Widmaier, Georg	(22) 20.09.2017	B60W 10/18
Faust, Arno	(54) SOLENOID VALVE AND HYDRAULIC	B60W 50/02
Dasbach, Gregor	BRAKING SYSTEM FOR A VEHICLE	B60W 50/029
Greiner, Rinaldo	(73) Robert Bosch GmbH	B60W 50/14
(31) 102017200051	(72) STAHR, Wolf	(11) EP2921362
(32) 04.01.2017	AMBROSI, Massimiliano	(21) EP14160564.2
(33) Germany	EISENLAUER, Michael	(47) 12.08.2020
(51) B60T 8/32	KURZ, Edgar	(22) 18.03.2014
B60T 8/42	KRATZER, Dietmar	(54) Vehicle, vehicle system and method for
B62L 1/00	(31) 102016219939	increasing safety and/or comfort during
B62L 3/02	(32) 13.10.2016	autonomous driving
(11) EP3345821	(33) Germany	(73) Volvo Car Corporation
(21) EP17207637.4	(51) B60T 13/14	(72) Solyom, Stefan
(47) 12.08.2020	(11) EP3380374	Coelingh, Erik
(22) 15.12.2017	(21) EP16798479.8	Brännström, Mattias
(54) BRAKE ASSISTANCE DEVICE,	(47) 12.08.2020	(51) B60W 10/06
HYDRAULIC BRAKE SYSTEM AND	(87) EP2016078116	B60W 10/08
VEHICLE	01.06.2017	B60W 10/26
(73) Robert Bosch GmbH	(22) 18.11.2016	B60W 50/02

B60W 20/12	(21) EP19168379.6	B61L 23/06
B60W 20/50	(47) 12.08.2020	B61L 23/08
B60L 50/16	(22) 10.04.2019	(11) EP3331745
B60L 58/13	(54) METHOD FOR ESTIMATING	(21) EP16766506.6
(11) EP2807064	AN ACCIDENT RISK OF AN	(47) 12.08.2020
(21) EP13702406.3	AUTONOMOUS VEHICLE	(87) EP2016071027
(47) 12.08.2020	(73) Rosenbaum, Walter Steven	06.04.2017
(87) EP2013051346	(72) Rosenbaum, Walter Steven	(22) 07.09.2016
01.08.2013	(31) 18020139	(54) PROTECTION METHOD AND
(22) 24.01.2013	(32) 10.04.2018	PROTECTION SYSTEM FOR A RAIL
(54) HYBRID VEHICLE CONTROLLER	(33) European Patent Office (EPO)	NETWORK
AND METHOD OF CONTROLLING A	(51) B61F 3/12	(73) Siemens Mobility GmbH
HYBRID VEHICLE	B61F 5/44	(72) ADOMEIT, Sven
(73) Jaguar Land Rover Limited	(11) EP3081451	DEICHMANN, Uwe
(72) DEXTREIT, Clement	(21) EP16168383.4	GEDUHN, Norbert
(31) 201201255	(47) 12.08.2020	DEL POZO, Carlos
(32) 25.01.2012	(22) 17.09.2008	(31) 102015218965
(33) United Kingdom	(54) STEERABLE TRUCK FOR A RAILWAY	(32) 30.09.2015
(51) B60W 30/06	CAR, A RAILWAY CAR, AND AN	(33) Germany
B62D 15/02	ARTICULATED CAR	(51) B61L 15/00
(11) EP3446948	(73) Nippon Steel Corporation	B61L 27/00
(21) EP18190059.8	(72) KIKKO, Satoshi	H04B 10/116
(47) 12.08.2020	NAKAI, Takuji	(11) EP3526098
(22) 21.08.2018	TSUTSUI, Yujin	(21) EP17821814.5
(54) PARKING ASSISTANCE DEVICE AND	(31) 2007245494	(47) 12.08.2020
PROGRAM	2007265734	(87) EP2017081284
(73) AISIN SEIKI KABUSHIKI KAISHA	(32) 21.09.2007	14.06.2018
(72) OHIRA, Tetsuya	11.10.2007	(22) 04.12.2017
IWATA, Takashi	(33) Japan	(54) NETWORK CONNECTION OF
(31) 2017159551	Japan	VEHICLES
(32) 22.08.2017	(51) B61G 1/00	(73) Siemens Mobility GmbH
(33) Japan	B62B 5/00	(72) BERGER, Gisbert
(51) B60W 30/14	G06K 17/00	(31) 102016224613
(11) EP3060444	(11) EP3417402	(32) 09.12.2016
(21) EP14806548.5	(21) EP17702891.7	(33) Germany
(47) 12.08.2020	(47) 12.08.2020	(51) B62B 1/26
(87) EP2014072773	(87) EP2017052591	B62B 3/10
30.04.2015	24.08.2017	B65H 49/00
(22) 23.10.2014	(22) 07.02.2017	B65H 49/32
(54) IMPROVEMENTS IN VEHICLE SPEED	(54) TROLLEY DETECTION AND SAFETY	B65H 49/38
CONTROL	SYSTEM	H01B 13/012
(73) Jaguar Land Rover Limited	(73) GEA Food Solutions Bakel B.V.	H02G 3/00
(72) KELLY, James	(72) VAN DE KERKHOF, Paulus Petrus	B64F 5/00
BURFORD, Robert	Johannus Lambertus	(11) EP3366543
(31) 201318706	FABER, Petrus Johannes Adrianus	(21) EP18164266.1
(32) 23.10.2013	(31) 16155656	(47) 12.08.2020
(33) United Kingdom	(32) 15.02.2016	(22) 09.06.2016
(51) B60W 30/14	(33) European Patent Office (EPO)	(54) METHOD AND SYSTEM FOR
G06K 9/00	(51) B61L 7/06	ASSEMBLING AND INSTALLING A
B60W 30/08	B61L 19/06	WIRE BUNDLE ASSEMBLY GROUP
(11) EP3623241	B61L 27/00	(73) The Boeing Company
(21) EP19166377.2	(11) EP3494025	(72) MOHLMAN, Shawn D.
(47) 12.08.2020	(21) EP17765136.1	LIVINGSTON, Bret H.
(22) 29.03.2019	(47) 12.08.2020	TRUONG, Tinh V.
(54) METHOD AND DEVICE FOR	(87) EP2017072183	BLACKEN, Lars E.
CONTROLLING VEHICLE BASED ON	05.04.2018	(31) 201514734599
NEIGHBORING VEHICLES	(22) 05.09.2017	(32) 09.06.2015
(73) Wipro Limited	(54) DEVICES AND METHODS FOR	(33) United States of America
(72) ZANPURE, Chaitanya Rajendra	OPERATING FIELD ELEMENTS	(51) B62B 3/14
MISHRA, Shivam	ARRANGED LOCALLY ON A RAILWAY	G06F 13/40
(31) 201841034804	TRACK	G07G 1/00
(32) 14.09.2018	(73) Siemens Mobility GmbH	H04M 1/02
(33) India	(72) OKYERE, Philip Fosu	H04M 1/04
(51) B60W 50/00	SEIFERT, Matthias	H04M 1/725
G07C 5/00	(31) 102016218585	G06Q 20/20
G07C 5/08	(32) 27.09.2016	G06Q 20/32
B60W 40/09	(33) Germany	(11) EP2837165
(11) EP3578433	(51) B61L 11/08	(21) EP13717019.7

(47) 12.08.2020	B62D 21/15	(72) Vellinga, Jacob
(87) EP2013057695	B62D 25/08	(31) 2010819
17.10.2013	B62D 25/20	(32) 17.05.2013
(22) 12.04.2013	B62D 29/00	(33) Netherlands
(54) CRADLE FOR A MOBILE TERMINAL DEVICE FOR USE AS SELF-SCANNER	(11) EP3401193	(51) B62H 5/00
(73) Wieth, Franz	(21) EP17736009.6	E05B 67/00
Filosi, Andreas	(47) 12.08.2020	E05B 71/00
(72) WIETH, Franz	(87) JP2017000223	E05B 73/00
SONNENDORFER, Horst	13.07.2017	(11) EP3162676
(31) 102012103200	(22) 06.01.2017	(21) EP16163999.2
102012104772	(54) VEHICLE REAR STRUCTURE	(47) 12.08.2020
(32) 13.04.2012	(73) Nippon Steel Corporation	(22) 06.04.2016
01.06.2012	(72) NAKAZAWA, Yoshiaki	(54) ANTI-THEFT DEVICE
(33) Germany	(72) NISHIMURA, Ryuichi	(73) LU IPD, LLC
Germany	(31) 2016000881	(72) Schaufeld, Karen
(51) B62D 5/04	(32) 06.01.2016	Cato, Dylan
B62D 6/00	(33) Japan	(31) 201514927995
B62D 6/02	(51) B62D 25/00	(32) 30.10.2015
B62K 21/00	B62D 29/00	(33) United States of America
(11) EP3446955	(11) EP3263425	(51) B62K 19/46
(21) EP17799519.8	(21) EP16176491.5	B62J 17/00
(47) 12.08.2020	(47) 12.08.2020	(11) EP3363725
(87) JP2017018869	(22) 27.06.2016	(21) EP18151578.4
23.11.2017	(54) INSULATION ELEMENT	(47) 12.08.2020
(22) 19.05.2017	(73) Sika Technology AG	(22) 15.01.2018
(54) Straddled vehicle having handlebar	(72) Brichet, Nicolas	(54) STRADDLED VEHICLE
(73) Yamaha Hatsudoki Kabushiki Kaisha	(51) B62D 25/08	(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) TOYOTA, Takeshi	B62D 25/20	(72) TAKAEO, Phanawat
HARA, Nobuo	B62D 43/10	(31) 2017027856
FUKUHARA, Yukihide	(11) EP3509932	(32) 17.02.2017
NAGATA, Tatsuya	(21) EP17768188.9	(33) Japan
(31) 2016100836	(47) 12.08.2020	(51) B62K 25/04
(32) 19.05.2016	(87) FR2017052329	B62K 25/08
(33) Japan	15.03.2018	F16F 9/02
(51) B62D 15/02	(22) 04.09.2017	F16F 9/512
B64F 1/22	(54) MOTOR VEHICLE FLOORPAN PROVIDED WITH A SPARE WHEEL	F16F 13/00
(11) EP2886465	WELL AND A REINFORCING ELEMENT	(11) EP3403910
(21) EP14200200.5	(73) RENAULT s.a.s.	(21) EP18172881.7
(47) 12.08.2020	(72) BELAIDOUNI, Reda	(47) 12.08.2020
(22) 23.12.2014	LACOURT, Philippe	(22) 17.05.2018
(54) Monitoring of steering-angle during aircraft transport	(31) 1658386	(54) RAM DRIVE, IN PARTICULAR FOR A MOTOR VEHICLE
(73) Israel Aerospace Industries Ltd.	(32) 09.09.2016	(73) DT Swiss AG
(72) Oren, Avitzur	(33) France	(72) Walthert, Martin
(31) 23009913	(51) B62D 25/20	Richter, Karsten
(32) 23.12.2013	B62D 29/04	Zbinden, Samuel
(33) Israel	(11) EP3501954	(31) 102017110885
(51) B62D 21/02	(21) EP18215272.8	(32) 18.05.2017
B62D 21/04	(47) 12.08.2020	(33) Germany
B62D 21/15	(22) 21.12.2018	(51) B62K 25/28
B62D 25/04	(54) SINGLE-PIECE FLOOR STRUCTURE MADE OF A COMPOSITE MATERIAL	(11) EP3599150
(11) EP3498575	(73) Compagnie Plastic Omnium	(21) EP19179914.7
(21) EP18209150.4	(72) JUILLARD, Pierre	(47) 12.08.2020
(47) 12.08.2020	PIERROT, Frédéric	(22) 13.06.2019
(22) 29.11.2018	MASSON, Sébastien	(54) STRADDLED VEHICLE
(54) SIDE VEHICLE BODY STRUCTURE FOR VEHICLE AND METHOD FOR MANUFACTURING VEHICLE PILLAR MEMBER	(31) 1763067	(73) YAMAHA HATSUDOKI KABUSHIKI KAISHA
(73) Mazda Motor Corporation	(32) 22.12.2017	(72) KAWAGUCHI, Tsutomu
(72) Yamazaki, Tadashi	(33) France	(31) 2018141404
Gendo, Toshiyuki	(51) B62H 1/02	(32) 27.07.2018
Irie, Naoyuki	(11) EP2803563	(33) Japan
(31) 2017232496	(21) EP14168007.4	(51) B62M 3/00
(32) 04.12.2017	(47) 12.08.2020	B62M 9/122
(33) Japan	(22) 13.05.2014	(11) EP3360768
(51) B62D 21/02	(54) BICYCLE KICKSTAND AND BICYCLE PROVIDED WITH SUCH A BICYCLE KICKSTAND	(21) EP18155555.8
(73) Spanninga Metaal B.V.		(47) 12.08.2020
		(22) 07.02.2018



(54) SHAFT ELEMENT OF A BICYCLE BOTTOM BRACKET, AS WELL AS CRANK ARM ASSEMBLY AND BOTTOM BRACKET ASSEMBLY COMPRISING SUCH A SHAFT ELEMENT	B33Y 50/02 B29C 64/106 B29C 64/232 B29C 64/236	(47) 12.08.2020 (87) EP2017065860 04.01.2018 (22) 27.06.2017
(73) Campagnolo S.r.l. (72) MILANESIO, Marco BISARELLO, Filippo	(11) EP3539860 (21) EP19159625.3 (47) 12.08.2020 (22) 04.11.2015 (54) ADDITIVE MANUFACTURING OF PIPES	(54) ROWING BOAT (73) Rosetti, Giovanni (72) Rosetti, Giovanni (31) UA20164767 (32) 30.06.2016 (33) Italy
(31) 201700015699 (32) 13.02.2017 (33) Italy	(73) Lockheed Martin Corporation (72) FLEISCHER, Corey A. ASCARI, Matthew B. GAIGLER, Randy L. POPPEK, Michael W. WAICUKAUSKI, James A.	(51) B63H 25/38 (11) EP3409577 (21) EP18179519.6 (47) 12.08.2020 (22) 13.02.2012 (54) DEVICE FOR MANOEUVRING A WATERCRAFT AND METHOD FOR PRODUCING A MANOEUVRING DEVICE FOR WATERCRAFT
(51) B62M 3/08 (11) EP3434573 (21) EP18166618.1 (47) 12.08.2020 (22) 10.04.2018 (54) ASSEMBLING STRUCTURE FOR CRANK AND PEDAL	(31) 201462079187 P (32) 13.11.2014 (33) United States of America (51) B63B 27/36 B63H 20/00 (11) EP3583023 (21) EP17835727.3 (47) 12.08.2020 (87) SI2017050004 23.08.2018 (22) 15.11.2017 (54) DESIGN AND INTEGRATION OF THE LIFTING STERN PLATFORM FOR BOATS WITH OUTBOARD ENIGNES	(73) Becker Marine Systems GmbH (72) Kuhlmann, Henning (31) 102011054520 (32) 17.10.2011 (33) Germany
(73) Hsieh, Chin-Long (72) Hsieh, Chin-Long (31) 106125620 (32) 28.07.2017 (33) Taiwan, Province of China	(51) B63B 3/42 B63H 5/08 B63H 5/16 (11) EP3045382 (21) EP15823304.9 (47) 12.08.2020 (87) JP2015053372 26.05.2016 (22) 06.02.2015 (54) PROPULSION DEVICE FOR NEIGHBORING-TWIN-SCREW SHIP HAVING SHAFT BRACKETS, AND SHIP	(51) B63J 3/04 H02J 4/00 B60L 53/14 B60L 53/20 B60L 53/31 (11) EP3229334 (21) EP16163770.7 (47) 12.08.2020 (22) 05.04.2016 (54) AN ELECTRIC POWER SYSTEM FOR SUPPLYING ELECTRIC ENERGY TO A VESSEL
(73) MITSUBISHI HEAVY INDUSTRIES, LTD. (72) MATSUMOTO, Daisuke (31) 2014233258 (32) 18.11.2014 (33) Japan	(31) 201700049 (32) 15.02.2017 (33) Slovenia (51) B63B 32/10 (11) EP3041735 (21) EP14789137.8 (47) 12.08.2020 (87) DE2014100314 12.03.2015 (22) 02.09.2014 (54) SURFBOARD HAVING A FIN (73) Lampuga GmbH (72) KÖHNSEN, Benjamin (31) 202013103977 U (32) 04.09.2013 (33) Germany	(73) Danfoss Editron Oy (72) RAUMA, Kimmo JÄRVELÄINEN, Tero BERGMAN, Heikki
(51) B63B 11/00 B63B 11/02 B63B 13/00 B63B 35/54 B63B 43/04 B63B 43/06 (11) EP2868569 (21) EP13809296.0 (47) 12.08.2020 (87) JP2013067511 03.01.2014 (22) 26.06.2013 (54) SHIP (73) Mitsubishi Shipbuilding Co., Ltd. (72) YAMATO, Kuniaki ONZUKA, Masanori	(31) 202013103977 U (32) 04.09.2013 (33) Germany (51) B63B 35/44 (11) EP3204289 (21) EP15784879.7 (47) 12.08.2020 (87) US2015054999 14.04.2016 (22) 09.10.2015 (54) FLOATING PLATFORM WITH AN ARTICULATING KEEL SKIRT (73) Technip France (72) O'SULLIVAN, James Francis KYOUNG, Johyun (31) 201414511717 (32) 10.10.2014 (33) United States of America (51) B63H 16/02 B63H 16/06 (11) EP3478568 (21) EP17742168.2	(51) B63J 4/00 C02F 3/12 (11) EP2536666 (21) EP11703884.4 (47) 12.08.2020 (87) EP2011052265 25.08.2011 (22) 16.02.2011 (54) DEVICE FOR CLEANING WASTE WATER CONTAINING A BIOREACTOR AND FILTER MODULES ARRANGED IN PARALLEL (73) Enveko GmbH (72) VAN ZÜREN, Jens (31) 202010002566 U (32) 19.02.2010 (33) Germany
(31) 2012144769 (32) 27.06.2012 (33) Japan	(73) Technip France (72) O'SULLIVAN, James Francis KYOUNG, Johyun (31) 201414511717 (32) 10.10.2014 (33) United States of America (51) B63H 16/02 B63H 16/06 (11) EP3478568 (21) EP17742168.2	(51) B64C 1/14 (11) EP3312081 (21) EP16382476.6 (47) 12.08.2020 (22) 20.10.2016 (54) DRAIN MAST OF AN AIRCRAFT (73) Airbus Operations, S.L. (72) CASADO MONTERO, Carlos HERNANZ MANRIQUE, José Ángel MOLINA PARGA, Alberto

(51) B64C 1/14	(72) ROGIERS, Kim Gert André	(72) GIBERT, Gauthier
(11) EP3476717	(31) 2017665	IMBERT, Nicolas
(21) EP18201864.8	(32) 24.10.2016	(31) 1771120
(47) 12.08.2020	(33) Netherlands	(32) 25.10.2017
(22) 22.10.2018	(51) B64C 27/02	(33) France
(54) AIRCRAFT WINDSCREEN WITH INTEGRATED FLANGE AND LOAD DISTRIBUTION INSERTS	B64C 27/06	(51) B64C 39/02
(73) AIRBUS OPERATIONS	B64C 27/22	H04N 5/232
Airbus	B64C 27/26	H04N 13/239
(72) CHAUMEL, Pascal	B64C 27/28	(11) EP3501984
DENTESANO, Johan	(11) EP3560830	(21) EP17209333.8
PARKEN, Emily	(21) EP19168743.3	(47) 12.08.2020
(31) 1760038	(47) 12.08.2020	(22) 21.12.2017
(32) 24.10.2017	(22) 11.04.2019	(54) A METHOD FOR VALIDATING SENSOR UNITS IN A UAV, AND A UAV
(33) France	(54) ROTORCRAFT PROVIDED WITH A ROTARY WING AND AT LEAST TWO PROPELLERS, AND METHOD APPLIED BY SAID ROTORCRAFT	(73) Everdrone AB
(51) B64C 1/14	(73) Airbus Helicopters	(72) Drejak, Maciek
B64D 29/06	(72) GAFFIERO, Jacques	(51) B64D 11/00
B64D 29/08	SERR, Christophe	F16M 11/14
E05B 41/00	BIHEL, Jean-Romain	F16M 11/20
E05C 17/08	(31) 1800372	F16M 13/02
E05C 17/30	(32) 26.04.2018	(11) EP3507539
F15B 15/26	(33) France	(21) EP16763158.9
F16F 9/02	(51) B64C 27/12	(47) 12.08.2020
E05F 5/00	B64C 27/82	(87) US2016049400
(11) EP3119969	B64D 27/02	08.03.2018
(21) EP15764819.7	B60W 20/10	(22) 30.08.2016
(47) 12.08.2020	(11) EP3599140	(54) ADJUSTABLE TORQUE HINGE ASSEMBLY FOR HEADRESTS
(87) US2015021567	(21) EP19187165.6	(73) Safran Seats USA LLC
24.09.2015	(47) 12.08.2020	(72) HIEBSCH, Rudolph
(22) 19.03.2015	(22) 19.07.2019	(51) B64D 13/06
(54) PULL THEN LIFT HOLD OPEN ROD LOCK MECHANISM	(54) METHOD AND DEVICE FOR MANAGING THE ENERGY OF A HYBRID DRIVE SYSTEM OF A MULTIROTOR AIRCRAFT	F04D 25/14
(73) Marathonnorco Aerospace, Inc.	(73) Airbus Helicopters	(11) EP3385171
(72) DYER, Ben	(72) GAZZINO, Marc	(21) EP18166271.9
STAR, Brian	FAURE, Bernard	(47) 12.08.2020
LATHAM, Del	(31) 1800800	(22) 09.04.2018
(31) 201461955528 P	(32) 25.07.2018	(54) FAN BYPASS AND SHUTOFF CHECK VALVE
(32) 19.03.2014	(33) France	(73) Hamilton Sundstrand Corporation
(33) United States of America	(51) B64C 27/28	(72) ARMY, Donald E.
(51) B64C 9/16	B64C 27/30	PEACOS III, Frederick
(11) EP3489133	B64C 29/00	(31) 201715481661
(21) EP18205391.8	(11) EP3617067	(32) 07.04.2017
(47) 12.08.2020	(21) EP18205510.3	(33) United States of America
(22) 09.11.2018	(47) 12.08.2020	(51) B64D 17/54
(54) AIRCRAFT WING FLAPS HAVING AERODYNAMIC RESTORATION DOORS	(22) 09.11.2018	B64D 17/70
(73) The Boeing Company	(54) METHODE FOR TRANSITIONING THE PROPULSION CONFIGURATION OF A HIGH SPEED ROTORCRAFT	B64D 17/80
(72) MILLIGAN, Eric	(73) Textron Innovations Inc.	(11) EP3487762
GRUNER, Bryan Jacob	(72) SCHANK, Troy C.	(21) EP17743241.6
(31) 201715824466	(31) 201862723363 P	(47) 12.08.2020
(32) 28.11.2017	201816143240	(87) AT2017060182
(33) United States of America	(32) 27.08.2018	25.01.2018
(51) B64C 25/60	26.09.2018	(22) 20.07.2017
B64F 5/40	(33) United States of America	(54) DEVICE AND METHOD FOR EJECTING A PARACHUTE
(11) EP3529148	United States of America	(73) Drone Rescue Systems GmbH
(21) EP17792214.3	(51) B64C 39/02	(72) MANNINGER, Markus
(47) 12.08.2020	B64D 1/18	(31) 506652016
(87) NL2017050692	(11) EP3476733	(32) 21.07.2016
03.05.2018	(21) EP18191265.0	(33) Austria
(22) 24.10.2017	(47) 12.08.2020	(51) B64D 27/02
(54) MAINTENANCE APPARATUS FOR A SHOCK ABSORBER OF A LANDING GEAR, AND METHOD FOR MAINTAINING SUCH A SHOCK ABSORBER	(22) 28.08.2018	B64D 31/00
(73) Fokker Landing Gear B.V.	(54) INDUSTRIAL ACTIVITY DRONE	(11) EP3360783
	(73) Airbus Helicopters	(21) EP18156001.2
		(47) 12.08.2020
		(22) 09.02.2018

(54) PROPULSION SYSTEM FOR AN AIRCRAFT	F16C 7/02 F16C 11/06 F16C 41/00	(72) BOMBARDELLI, Claudio SÁNCHEZ ARRIAGA, Gonzalo
(73) General Electric Company		(31) 201531648
(72) VONDRELL, Randy M.	(11) EP2955395	(32) 13.11.2015
CRABTREE, Glenn David	(21) EP15170689.2	(33) Spain
(31) 201715429979	(47) 12.08.2020	<hr/>
(32) 10.02.2017	(22) 04.06.2015	(51) B64G 1/40
(33) United States of America	(54) ELECTRICALLY CONDUCTIVE BEARING SYSTEM AND MANUFACTURING METHOD	F02K 9/44
(51) B64D 29/00	(73) KAMATICS CORPORATION	(11) EP3548730
B64D 33/02	(72) Zink, Andrew	(21) EP17812023.4
F02C 7/04	Zak, Arkadi	(47) 12.08.2020
(11) EP3587274	(31) 201414303035	(87) FR2017053248
(21) EP19179322.3	(32) 12.06.2014	07.06.2018
(47) 12.08.2020	(33) United States of America	(22) 24.11.2017
(22) 11.06.2019	(51) B64F 1/305	(54) POGO EFFECT CORRECTION SYSTEM
(54) AIRCRAFT PROPULSION ASSEMBLY NACELLE HAVING A PLURALITY OF SHOCK ABSORBING ELEMENTS BETWEEN A FRONT PART AND A MAIN PART, AND ASSOCIATED AIRCRAFT PROPULSION ASSEMBLY	(31) EP2838797	(73) ArianeGroup SAS
(73) AIRBUS OPERATIONS (S.A.S.)	(21) EP13725227.6	(72) CINGAL, Benoit, Mathieu, André
(72) PORTE, Alain	(47) 12.08.2020	LLANOS GARCIA, Jesus
BRETON, Clément	(87) US2013036725	(31) 1601711
SENTIER, Julien	24.10.2013	(32) 02.12.2016
VINCHES, Frédéric	(22) 16.04.2013	(33) France
BROCHARD, Wolfgang	(54) DUAL FUNCTION SOLID STATE CONVERTER	<hr/>
(31) 1855835	(73) Illinois Tool Works Inc.	(51) B65B 3/04
(32) 28.06.2018	(72) LEADINGHAM, David Wayne	B65B 39/00
(33) France	(31) 201213450562	B65B 39/14
(51) B64D 31/00	(32) 19.04.2012	B67C 3/26
B64D 43/00	(33) United States of America	(11) EP3426562
B64D 45/00	(51) B64F 1/34	(21) EP17711943.5
G01D 7/08	B64F 1/36	(47) 12.08.2020
(11) EP3356231	(11) EP3523199	(87) US2017020865
(21) EP16781562.0	(21) EP17777018.7	14.09.2017
(47) 12.08.2020	(47) 12.08.2020	(22) 06.03.2017
(87) IB2016055673	(87) EP2017074501	(54) VACUUM ASSISTED NOZZLE APPARATUS AND PROCESS USING SAID APPARATUS
06.04.2017	12.04.2018	(73) The Procter & Gamble Company
(22) 22.09.2016	(22) 27.09.2017	(72) COROMINAS, Francesc
(54) METHOD OF AND SYSTEM FOR PRESENTING AN OPERATING STATUS OF AN AIRCRAFT ENGINE	(54) AIR START UNIT FOR STARTING AND SERVICING JET ENGINES IN AIRCRAFT	(31) 201615062998
(73) Bombardier Inc.	(73) Rheinmetall Landsysteme GmbH	(32) 07.03.2016
C SERIES AIRCRAFT LIMITED PARTNERSHIP	(72) ECKHOFF, Detlef	(33) United States of America
(72) DANIELSON, Michael Dwight	LIEBCHEN, Guido	<hr/>
GALLEA, Mathieu	(31) 102016118743	(51) B65B 5/04
(31) 201562234726 P	(32) 04.10.2016	B65B 5/10
(32) 30.09.2015	(33) Germany	B65B 25/00
(33) United States of America	(51) B64G 1/00	B65B 31/00
(51) B64D 33/02	B64G 1/32	B65B 35/30
(11) EP3156333	B64G 1/42	B65B 57/20
(21) EP16194081.2	B64G 1/64	B65B 65/00
(47) 12.08.2020	H01B 1/00	B65B 65/08
(22) 17.10.2016	H01M 10/46	(11) EP3521182
(54) FORMING A NACELLE INLET FOR A TURBINE ENGINE PROPULSION SYSTEM	(11) EP3375715	(21) EP19154689.4
(73) Rohr, Inc.	(21) EP16863721.3	(47) 12.08.2020
(72) BROWN, Keith T.	(47) 12.08.2020	(22) 31.01.2019
PUJAR, Vijay V.	(87) ES2016070801	(54) PROCESS FOR MAKING A CONSUMER GOODS PRODUCT
HAYES, Rusty	18.05.2017	(73) The Procter & Gamble Company
ROSE, David L.	(22) 11.11.2016	(72) ROELEN, Albert Jan Gerardus
(31) 201514884206	(54) SYSTEM FOR GENERATING ELECTRICAL POWER IN ORBIT BY MEANS OF FLOATING CONDUCTOR CABLES	DE GROEVE, Anton
(32) 15.10.2015	(73) Universidad Carlos III de Madrid	ANDRASCÍK, Tomas
(33) United States of America	Universidad Politécnica de Madrid	DEGIRMENCI PERES PAULUCCI, Emine
(51) B64D 45/02		CHARLIER, Thomas
		BOMBACH, Ralf
		(31) 18154772
		(32) 01.02.2018
		(33) European Patent Office (EPO)
		<hr/>
		(51) B65B 7/16
		B65B 9/04
		B65B 29/02
		B65B 61/06

(11) EP3511254	(11) EP3398867	(87) JP2017037185
(21) EP19151776.2	(21) EP18169839.0	17.05.2018
(47) 12.08.2020	(47) 12.08.2020	(22) 13.10.2017
(22) 15.01.2019	(22) 27.04.2018	(54) PLASTIC BAG AND METHOD FOR
(54) DEVICE AND METHOD FOR APPLYING	(54) SYSTEM FOR DISCHARGING	MANUFACTURING PLASTIC BAGS
A PIECE OF FILM OF MATERIAL TO A	PRODUCT FROM A BAG	(73) Totani Corporation
CONTAINER	(73) Tetra Laval Holdings & Finance S.A.	(72) TOTANI Mikio
(73) T.M.E. S.p.A.	(72) Chavel, Thomas	(31) 2016218277
(72) ZERMANI, Giacomo	Puyjalon, Christophe	(32) 08.11.2016
(31) 201800000927	Kerleroux, Yann	(33) Japan
(32) 15.01.2018	(31) 17169564	(51) B65D 30/24
(33) Italy	(32) 04.05.2017	(11) EP3478596
(51) B65B 11/32	(33) European Patent Office (EPO)	(21) EP17734991.7
(11) EP3323735	(51) B65C 9/06	(47) 12.08.2020
(21) EP17202121.4	B65G 47/86	(87) EP2017000769
(47) 12.08.2020	(11) EP3230185	04.01.2018
(22) 16.11.2017	(21) EP15820560.9	(22) 28.06.2017
(54) WRAPPING ASSEMBLY	(47) 12.08.2020	(54) VALVE BAG
(73) CMFIMA S.R.L.	(87) FR2015053270	(73) dy-pack Verpackungen Gustav
(72) GIOVANNINI, Flavio	16.06.2016	Dyckerhoff GmbH
FRANGELLA, Gianni	(22) 01.12.2015	Haver & Boecker OHG
(31) 201600116650	(54) DEVICE FOR OBTAINING A	(72) SCHULTE, Gerhard
(32) 18.11.2016	CONTAINER INCLUDING TWO	LISEK, Eduard
(33) Italy	ROLLERS FOR DRIVING A	HILLING, Thomas
(51) B65B 11/58	CONTAINER	(31) 202016004073 U
B65B 13/18	(73) Sidel Participations	(32) 29.06.2016
B65B 23/20	(72) BILLAULT, Romain	(33) Germany
B65B 41/04	(31) 1462040	(51) B65D 41/18
B65B 49/08	(32) 08.12.2014	B65D 43/02
B65B 49/14	(33) France	B65D 51/24
B65D 85/46	(51) B65D 5/02	(11) EP3156346
(11) EP3498615	(11) EP3271257	(21) EP16191234.0
(21) EP18212486.7	(21) EP16713227.3	(47) 12.08.2020
(47) 12.08.2020	(47) 12.08.2020	(22) 26.04.2012
(22) 13.12.2018	(87) US2016022636	(54) A CLOSURE LID WITH IDENTIFYING
(54) PACKAGING MACHINE	22.09.2016	MEANS
(73) C.M.A. 2 S.R.L. Costruzioni Meccaniche	(22) 16.03.2016	(73) uVu Lid Company, LLC
Automazioni	(54) DISPLAY PACKAGING	(72) WEISS, David
(72) ROSSETTO, Enrico	(73) NIKE Innovate C.V.	STRACHAN, Mark
BENOTTO, Gianpaolo	(72) FAN, Richard S.	(31) 201161480624 P
(31) 201700143644	(31) 201514660316	(32) 29.04.2011
(32) 13.12.2017	(32) 17.03.2015	(33) United States of America
(33) Italy	(33) United States of America	(51) B65D 41/34
(51) B65B 35/38	(51) B65D 25/48	B65D 55/02
B65B 35/40	B65D 75/58	(11) EP3539894
B65B 43/48	B67D 1/08	(21) EP19160939.5
B65G 47/84	F16L 29/04	(47) 12.08.2020
B65G 47/91	(11) EP3371095	(22) 06.03.2019
(11) EP3110698	(21) EP16862854.3	(54) PLASTIC CONTAINER WITH
(21) EP15701338.4	(47) 12.08.2020	THREADED CAP
(47) 12.08.2020	(87) US2016060077	(73) Alpla-Werke Alwin Lehner GmbH und Co.
(87) EP2015051359	11.05.2017	KG
03.09.2015	(22) 02.11.2016	(72) Thuemmel, Karsten
(22) 23.01.2015	(54) SPOUT-CONNECTOR ASSEMBLY FOR	Kroon, Steffen
(54) DEVICE FOR TRANSFERRING	FLUID DISPENSING FROM FLEXIBLE	(31) 3252018
OBJECTS	BAGS	(32) 14.03.2018
(73) Syntegon Technology GmbH	(73) Liqui-Box Corporation	(33) Switzerland
(72) GRAF, Sebastian	(72) JOHNSON, James, W.	(51) B65D 41/34
RUCK, Hannes	(31) 201562249657 P	B65D 55/02
LEIDIG, Juergen	(32) 02.11.2015	B65D 75/58
(31) 102014203421	(33) United States of America	(11) EP3490905
(32) 26.02.2014	(51) B65D 30/20	(21) EP17761112.6
(33) Germany	B65D 33/25	(47) 12.08.2020
(51) B65B 37/02	B31B 70/26	(87) IB2017054397
B65B 37/04	B31B 70/64	01.02.2018
B65B 39/02	(11) EP3539891	(22) 20.07.2017
B65B 57/00	(21) EP17869167.1	(54) CLOSURE WITH TAMPER-EVIDENT
B65B 69/00	(47) 12.08.2020	BAND

(73) Guala Pack S.p.A.	(33) European Patent Office (EPO)	(11) EP2867146
(72) TAMARINDO, Stefano	(51) B65D 88/12	(21) EP13737560.6
(31) 201600080146	B65D 90/00	(47) 12.08.2020
(32) 29.07.2016	(11) EP3331778	(87) EP2013063278
(33) Italy	(21) EP16745045.1	03.01.2014
(51) B65D 63/10	(47) 12.08.2020	(22) 25.06.2013
(11) EP3402726	(87) DK2016050241	(54) FEED APPARATUS AND FEED
(21) EP17739000.2	09.02.2017	METHOD
(47) 12.08.2020	(22) 08.07.2016	(73) KUKA Systems GmbH
(87) US2017013335	(54) A TRANSPORTATION SYSTEM FOR	(72) BROCKHOFF, Per-Olaf
20.07.2017	TRANSPORTATION OF LARGE ITEMS	(31) 202012102405 U
(22) 13.01.2017	AND USE THEREOF	(32) 28.06.2012
(54) HIGH PERFORMANCE, DUAL	(73) Viggo Jespersen Holding APS	(33) Germany
MATERIALS CABLE-TIE HEAD	(72) JESPERSEN, Viggo	(51) B65G 1/10
(73) Thomas & Betts International LLC	(31) 201500442	G01C 21/20
Dinh, Cong, Thanh	(32) 05.08.2015	G05D 1/02
Gao, Yan	(33) Denmark	(11) EP3512785
(72) DINH, Cong, Thanh	(51) B65D 88/12	(21) EP17777127.6
GAO, Yan	B65D 90/00	(47) 12.08.2020
(31) 201662278146 P	E04H 5/04	(87) US2017051623
(32) 13.01.2016	B65D 90/02	22.03.2018
(33) United States of America	(11) EP3372529	(22) 14.09.2017
(51) B65D 65/40	(21) EP17736148.2	(54) INTEGRATED OBSTACLE DETECTION
C08B 37/00	(47) 12.08.2020	AND PAYLOAD CENTERING SENSOR
C08L 5/00	(87) KR2017000215	SYSTEM
D21H 13/20	13.07.2017	(73) Amazon Technologies, Inc.
D21H 27/10	(22) 06.01.2017	(72) SHYDO, JR., Robert Michael
H01B 3/52	(54) CONTAINER	(31) 201615265925
(11) EP3540122	(73) LG Chem, Ltd.	(32) 15.09.2016
(21) EP19171563.0	(72) LEE, Hyun Min	(33) United States of America
(47) 12.08.2020	CHOI, Ji Young	(51) B65G 1/137
(22) 19.05.2016	KIM, Tae Yeop	G07F 17/00
(54) POLY ALPHA-1,3-GLUCAN FIBRIDS	KIM, Suk Chul	(11) EP3119704
AND USES THEREOF AND	LEE, Ji Won	(21) EP15713033.7
PROCESSES TO MAKE POLY	(31) 20160002043	(47) 12.08.2020
ALPHA-1,3-GLUCAN FIBRIDS	(32) 07.01.2016	(87) PT2015000008
(73) DuPont Industrial Biosciences USA, LLC	(33) Korea (Republic)	30.07.2015
(72) BEHABTU, Natnael	(51) B65D 90/62	(22) 22.01.2015
(31) 201562169086 P	B65G 69/18	(54) EVOLVING MOBILE UNIT FOR
(32) 01.06.2015	F16K 27/02	CONTROLLED PRODUCT STORAGE
(33) United States of America	(11) EP3268299	AND DISPENSING
(51) B65D 83/00	(21) EP16709049.7	(73) Picklog, Lda
(11) EP3366612	(47) 12.08.2020	(72) LOPES RIBEIRO, Pedro
(21) EP18158706.4	(87) EP2016055051	(31) 10742214
(47) 12.08.2020	15.09.2016	(32) 24.01.2014
(22) 26.02.2018	(22) 09.03.2016	(33) Portugal
(54) PISTON FOR CARTRIDGES	(54) DOCKING DEVICE AND DOCKING	(51) B65G 21/06
(73) Fischbach KG Kunststoff-Technik	METHOD	(11) EP3374297
(72) Helmenstein, Achim	(73) Andocksysteme G. Untch GmbH	(21) EP16790375.6
(31) 102017203241	(72) UNTCH, Günter	(47) 12.08.2020
(32) 28.02.2017	(31) 102015103433	(87) EP2016076528
(33) Germany	(32) 09.03.2015	18.05.2017
(51) B65D 83/06	(33) Germany	(22) 03.11.2016
G01F 11/18	(51) B65F 7/00	(54) CONVEYOR BELT
(11) EP2850019	(11) EP2311758	(73) Rotzinger AG
(21) EP13711331.2	(21) EP10187934.4	(72) PHILIPP, Kurt
(47) 12.08.2020	(47) 12.08.2020	WEIGEL, Matthieu
(87) EP2013055420	(22) 18.10.2010	MULLER, Christian
26.09.2013	(54) Refuse collecting receptacle and vehicle	(31) 16452015
(22) 15.03.2013	for washing such a receptacle	(32) 12.11.2015
(54) DOSING DISPENSER	(73) SULO France	(33) Switzerland
(73) RPC Bramlage GmbH	(72) Troton, Jean	(51) B65G 45/16
(72) MÜLLER, Uwe	(31) 0957272	(11) EP2279142
SIEMERS, Sölen	(32) 16.10.2009	(21) EP09730108.9
WIEHL, Wolfgang	(33) France	(47) 12.08.2020
GÖTTKE, Sabine	(51) B65G 1/08	(87) US2009040204
(31) 12160378	B65G 13/075	15.10.2009
(32) 20.03.2012		(22) 10.04.2009

(54) REMOVABLE CARTRIDGE CLEANER	WATANABE, Kenichi	(87) JP2010000314
(73) Flexible Steel Lacing Company	OKAMOTO, Naoya	28.07.2011
(72) DEVRIES, Brett, E.	(31) 2013025884	(22) 21.01.2010
(31) 44050	(32) 13.02.2013	(54) RESCUE OPERATION DEVICE OF
(32) 10.04.2008	(33) Japan	ELEVATOR
(33) United States of America	(51) B65H 67/08	(73) Mitsubishi Electric Corporation
(51) B65G 47/24	(11) EP3511275	(72) YASUE, Masanori
(11) EP2796393	(21) EP19150814.2	(51) B66B 5/08
(21) EP14164884.0	(47) 12.08.2020	B66B 5/28
(47) 12.08.2020	(22) 08.01.2019	(11) EP3526152
(22) 16.04.2014	(54) TEXTILE MACHINE AND METHOD FOR	(21) EP17793958.4
(54) Article supply apparatus	AUTOMATICALLY PIECING A THREAD	(47) 12.08.2020
(73) KAO CORPORATION	AT A WORKING UNIT OF A TEXTILE	(87) EP2017078310
(72) Fukuda, Tsutomu	MACHINE	24.05.2018
Okazaki, Toshiki	(73) Maschinenfabrik Rieter AG	(22) 06.11.2017
Hatano, Koichi	(72) BAHLMANN, Bernd	(54) SHAFT HOISTING PLANT HAVING AN
(31) 2013087948	BAIER, Frank	OVERWIND BRAKE DEVICE
2014043005	BRANDL, Sebastian	(73) OLKO Maschinentechnik GmbH
(32) 19.04.2013	GRUBER, Thomas	(72) JUNGE, Matthias
05.03.2014	HAGL, Robert	RIETZ, Lars
(33) Japan	HOYER, Andreas	KLEIN, Dr. Nicole
Japan	KETTNER, Christian	HABERKORN, Eduard
(51) B65G 57/08	MALECK, Mario	(31) 102016122165
B65G 57/16	POHN, Romeo	(32) 17.11.2016
(11) EP2995581	WEIN, Robin	(33) Germany
(21) EP15002254.9	(31) 102018100858	(51) B66B 7/06
(47) 12.08.2020	(32) 16.01.2018	(11) EP3126277
(22) 21.03.2014	(33) Germany	(21) EP14888104.8
(54) STACKING STATION FOR A	(51) B66B 1/28	(47) 12.08.2020
THERMOFORMING ASSEMBLY,	B66B 1/46	(87) US2014032524
METHOD FOR MANUFACTURING	G05B 15/02	08.10.2015
CUP-SHAPED PRODUCTS AND	G05B 19/042	(22) 01.04.2014
THERMOFORMING ASSEMBLY	(11) EP2984529	(54) GROOVED BELT FOR ELEVATOR
(73) Kiefel GmbH	(21) EP13881513.9	SYSTEM
(72) Wieser, Gerhard	(47) 12.08.2020	(73) Otis Elevator Company
Knoll, Peter	(87) FI2013050404	(72) GUILANI, Brad
(31) 102013004920	16.10.2014	SHERRICK, Kathryn Rauss
(32) 22.03.2013	(22) 12.04.2013	(51) B66B 9/00
(33) Germany	(54) BUILDING AUTOMATION SYSTEM	B66B 9/02
(51) B65H 7/12	CONTROL APPARATUS, METHOD	(11) EP2989040
G03G 15/00	AND COMPUTER PROGRAM FOR	(21) EP14728274.3
G06K 9/00	PROVIDING CONTROL SIGNALLING	(47) 12.08.2020
H04N 1/00	(73) KONE Corporation	(87) IB2014000558
G07D 7/183	(72) NOUSU, Hannu	30.10.2014
G07D 11/00	HÄNNINEN, Ari	(22) 16.04.2014
G07D 11/237	(51) B66B 1/34	(54) VERTICAL AND HORIZONTAL
(11) EP3381847	(11) EP3512791	MOVEMENT SYSTEM
(21) EP18161775.4	(21) EP17758571.8	(73) Pedarco International Limited
(47) 12.08.2020	(47) 12.08.2020	(72) SCOMPARIN, Tarcisio
(22) 14.03.2018	(87) EP2017072106	(31) TV20130057
(54) DOUBLE FEED EXCEPTIONS	22.03.2018	(32) 23.04.2013
IDENTIFYING SYSTEM	(22) 04.09.2017	(33) Italy
(73) NCR Corporation	(54) METHOD FOR DETECTING A	(51) B66B 9/08
(72) O'NEILL, Darryl Scott	PASSENGER ENTERING A LIFT CAR	(11) EP3419925
(31) 201715472996	OF A LIFT ASSEMBLY	(21) EP17709826.6
(32) 29.03.2017	(73) Inventio AG	(47) 12.08.2020
(33) United States of America	(72) STUDER, Christian	(87) NL2017050097
(51) B65H 16/04	KUSSEROW, Martin	31.08.2017
B65H 18/10	TSCHUPPERT, Reto	(22) 17.02.2017
B65H 75/24	ZHU, Zack	(54) ELEVATOR AND STAIRS ASSEMBLY
(11) EP3378807	(31) 16188443	(73) Elevante Beheer B.V.
(21) EP18171265.4	(32) 13.09.2016	(72) VAN DER VEER, Mark Menno Stephan
(47) 12.08.2020	(33) European Patent Office (EPO)	(31) 2016332
(22) 05.06.2013	(51) B66B 5/02	(32) 26.02.2016
(54) SUPPORT DEVICE	H02P 27/06	(33) Netherlands
(73) LINTEC Corporation	(11) EP2528226	(51) B66C 1/44
(72) MATSUSHITA, Kaori	(21) EP10843809.4	B66C 1/62
YAMAGUCHI, Kazuhisa	(47) 12.08.2020	

(11) EP3524563	(31) 201361832766 P	(31) PI2010005575
(21) EP18020657.5	(32) 07.06.2013	(32) 25.11.2010
(47) 12.08.2020	(33) United States of America	(33) Malaysia
(22) 31.12.2018	(51) B82Y 5/00	(51) B82Y 30/00
(54) GRAPPLING HOOK FOR GRIPPING BARRELS	A61P 35/00	B82Y 40/00
(73) PONGY, Jean-Maurice	A61K 47/54	C01B 32/05
(72) PONGY, Jean-Maurice	A61K 47/69	C01B 32/16
(31) 1870132	(11) EP2019691	C01B 32/40
(32) 08.02.2018	(21) EP07794944.4	(11) EP2838839
(33) France	(47) 12.08.2020	(21) EP13778060.7
(51) B81B 7/00	(87) US2007011748	(47) 12.08.2020
H04R 1/04	22.11.2007	(87) US2013000077
(11) EP2893713	(22) 15.05.2007	24.10.2013
(21) EP13765586.6	(54) POLYMERS FOR FUNCTIONAL PARTICLES	(22) 15.03.2013
(47) 12.08.2020	(73) Massachusetts Institute of Technology	(54) METHOD FOR PRODUCING SOLID CARBON BY REDUCING CARBON DIOXIDE
(87) US2013058891	The Brigham and Women's Hospital, Inc.	(73) Seerstone LLC
13.03.2014	(72) GU, Frank, X.	(72) NOYES, Dallas, B.
(22) 10.09.2013	TEPLY, Benjamin, A.	(31) 201261624723 P
(54) MEMS MICROPHONE PACKAGE WITH MOLDED INTERCONNECT DEVICE	LANGER, Robert, S.	(32) 16.04.2012
(73) Robert Bosch GmbH	FAROKHZAD, Omid, C.	(33) United States of America
(72) OCHS, Eric	(31) 747240 P	(51) C01D 7/10
SALMON, Jay, S.	(32) 15.05.2006	C01F 7/02
(31) 201261698801 P	(33) United States of America	(11) EP3519360
(32) 10.09.2012	(51) B82Y 30/00	(21) EP17787055.7
(33) United States of America	B01F 17/00	(47) 12.08.2020
(51) B81C 1/00	B22F 1/00	(87) US2017051255
(11) EP3459907	B22F 9/24	05.04.2018
(21) EP18196058.4	C08K 3/08	(22) 13.09.2017
(47) 12.08.2020	C09D 5/24	(54) PROCESS FOR SILICA REMOVAL FROM SODIUM BICARBONATE PRODUCTION WASTEWATER
(22) 21.09.2018	G03C 1/825	(73) Veolia Water Solutions & Technologies Support
(54) MICRODEVICE COMPRISING AN ELEMENT PROTECTED AGAINST HF ETCHING AND FORMED FROM A MATERIAL COMPRISING A SEMICONDUCTOR AND A METAL	H01B 1/22	(72) MACK, Bernard Roy
(73) Commissariat à l'énergie atomique et aux énergies alternatives	C09D 11/00	BANERJEE, Kashi
(72) LOUWERS, Stephanus	C09D 11/52	(31) 201662402247 P
(31) 1758848	(11) EP2649621	(32) 30.09.2016
(32) 25.09.2017	(21) EP11846848.7	(33) United States of America
(33) France	(47) 12.08.2020	(51) C01D 17/00
(51) B82Y 5/00	(87) US2011063459	C07C 51/42
A61K 9/70	14.06.2012	C09K 8/05
A61K 38/36	(22) 06.12.2011	E21B 21/06
A61K 38/39	(54) STABLE DISPERSIONS OF MONOCRYSTALLINE NANOMETRIC SILVER PARTICLES	(11) EP3077472
A61K 49/00	(73) P.V. Nano Cell Ltd.	(21) EP13818629.1
A61M 37/00	(72) DE LA VEGA, Fernando	(47) 12.08.2020
C07K 14/00	SHTER BAR JOSHUA, Ganit	(87) US2013076445
C12Q 1/25	MELAMED, Semyon	11.06.2015
C12Q 1/34	LINK, Moshe	(22) 19.12.2013
C12Q 1/37	(31) 201020556	(54) METHODS TO RECOVER CESIUM/RUBIDIUM FORMATE FROM A MIXED ALKALI METAL FORMATE BLEND, AND METHOD FOR PREPARING CESIUM/RUBIDIUM HYDROXIDE
(11) EP3004374	(32) 06.12.2010	(73) Sinomine Resources (US) Inc.
(21) EP14808260.5	(33) United Kingdom	(72) BAKKE, Bart F
(47) 12.08.2020	(51) B82Y 30/00	(31) 201361910976 P
(87) US2014041370	B82Y 40/00	(32) 03.12.2013
11.12.2014	B01J 8/00	(33) United States of America
(22) 06.06.2014	C01B 3/26	(51) C01F 7/36
(54) AFFINITY-BASED DETECTION OF LIGAND-ENCODED SYNTHETIC BIOMARKERS	C01B 3/30	C04B 22/06
(73) Massachusetts Institute of Technology	C01B 32/15	(11) EP2824072
(72) BHATIA, Sangeeta, N.	(11) EP2643268	(21) EP13758425.6
WOOD, David K.	(21) EP11842737.6	(47) 12.08.2020
KWONG, Gabriel, A.	(47) 12.08.2020	(87) JP2013056164
WARREN, Andrew, D.	(87) CN2011001956	12.09.2013
LIN, Kevin, Y.	31.05.2012	(22) 06.03.2013
	(22) 24.11.2011	
	(54) SYSTEM FOR HYDROGEN PRODUCTION	
	(73) Tse, Ka Chun	
	(72) PETTERS, Stefan	
	TSE, Ka Chun	

(54) ALUMINUM HYDROXIDE POWDER	C01G 53/00	(87) JP2014061475
(73) Sumitomo Chemical Company Limited	C09C 1/24	06.11.2014
(72) HYOJO, Ayumi	C09D 5/36	(22) 23.04.2014
OKUSAKO, Kensen	H01F 1/36	(54) GASKET AND ELECTROLYSER
AZUMA, Norifumi	H05K 9/00	(73) Asahi Kasei Kabushiki Kaisha
YAMAMOTO, Koji	C09D 7/40	(72) NAKAGAWA Kenji
KAWAKAMI, Yoshitaka	(11) EP3252015	HASEGAWA Shinji
(31) 2012049450	(21) EP16743223.6	UCHINO Yousuke
PCT/JP2012/059775	(47) 12.08.2020	NOAKI Yasuhide
(32) 06.03.2012	(87) JP2016051717	(31) 2013095821
10.04.2012	04.08.2016	2013265405
(33) Japan	(22) 21.01.2016	(32) 30.04.2013
World Intellectual Property Office (WIPO)	(54) PLATE-SHAPED FERRITE PARTICLES	24.12.2013
(51) C01G 23/00	FOR PIGMENT WHICH EXHIBIT	(33) Japan
H01M 4/02	METALLIC LUSTRE	Japan
H01M 4/04	(73) Powdertech Co., Ltd.	(51) C02F 3/30
H01M 4/38	(72) AGA, Koji	(11) EP3390289
H01M 4/62	IGARASHI, Tetsuya	(21) EP16834037.0
H01M 4/131	(31) 2015013782	(47) 12.08.2020
H01M 4/136	(32) 27.01.2015	(87) IB2016057722
H01M 4/1391	(33) Japan	22.06.2017
H01M 4/1397	(51) C02F 1/00	(22) 16.12.2016
H01M 4/485	G01F 15/12	(54) ASSEMBLY FOR THE AUTOMATED
H01M 4/58	G01N 15/14	MANAGEMENT OF PLANTS FOR
H01M 10/052	G01N 21/51	THE BIOLOGICAL TREATMENT OF
H01M 10/0562	G01N 21/64	WASTEWATER
(11) EP2852994	G01N 33/18	(73) Agenzia Nazionale Per Le Nuove
(21) EP13718192.1	(11) EP2758776	Tecnologie, L'Energia E Lo Sviluppo
(47) 12.08.2020	(21) EP12834430.6	Economico Sostenibile (ENEA)
(87) EP2013058416	(47) 12.08.2020	(72) LUCCARINI, Luca
28.11.2013	(87) US2012055832	(31) UB20159572
(22) 24.04.2013	28.03.2013	(32) 16.12.2015
(54) PROCESS FOR PRODUCING	(22) 18.09.2012	(33) Italy
AN ELECTRODE FOR AN	(54) METHOD FOR MONITORING AND	(51) C03B 5/00
ELECTROCHEMICAL ENERGY	CONTROL OF A WASTEWATER	C03B 5/06
STORAGE MEANS AND ELECTRODE	PROCESSING STREAM	E04B 2/70
(73) Robert Bosch GmbH	(73) Nalco Company	F23G 5/08
(72) KERKAMM, Ingo	(72) MURCIA, Michael J.	F23G 7/00
SORHAGE, Constanze	DUGGIRALA, Prasad Y.	F23J 1/08
EISELE, Ulrich	(31) 201113242014	(11) EP2553180
SCHUMANN, Bernd	(32) 23.09.2011	(21) EP11720871.0
GRIMMINGER, Jens	(33) United States of America	(47) 12.08.2020
TENZER, Martin	(51) C02F 1/30	(87) IB2011051441
(31) 102012208608	C02F 3/28	06.10.2011
(32) 23.05.2012	C02F 3/32	(22) 04.04.2011
(33) Germany	C12M 1/00	(54) TILTING FURNACE
(51) C01G 25/00	(11) EP3546562	(73) Belgoprocess N.V.
C01G 25/02	(21) EP18382210.5	(72) DECKERS, Jan
C04B 35/486	(47) 12.08.2020	HANSEN, Jurgen
H01M 8/1246	(22) 27.03.2018	(31) 201000210
H01M 8/1253	(54) ANAEROBIC PHOTOBIOREACTOR	(32) 02.04.2010
(11) EP3432401	AND METHOD FOR BIOMASS	(33) Belgium
(21) EP18185176.7	CULTIVATION	(51) C03B 9/193
(47) 12.08.2020	(73) FCC Aqualia, S.A.	C03B 9/36
(22) 19.01.2011	(72) Monsalvo García, Víctor	C03B 9/41
(54) PHASE STABLE DOPED ZIRCONIA	Puyol Santos, Daniel	(11) EP3529213
ELECTROLYTE COMPOSITIONS WITH	Melero Hernández, Juan Antonio	(21) EP17784728.2
LOW DEGRADATION	Martínez Castillejo, Fernando	(47) 12.08.2020
(73) Bloom Energy Corporation	Molina Gil, Raúl	(87) US2017053248
(72) Armstrong, Tad	Arbib, Zouhayr	26.04.2018
Batawi, Emad El	Rogalla, Frank	(22) 25.09.2017
Janousek, Martin	(51) C02F 1/46	(54) FORMING GLASS CONTAINERS
Pillai, Manoj	C25B 9/00	RESPONSIVE TO SUSPENDED
(31) 29846810 P	C25B 13/00	PARISON ELONGATION
(32) 26.01.2010	C25B 13/02	(73) Owens-Brockway Glass Container Inc.
(33) United States of America	(11) EP2993254	(72) GRAFF, Stephen, M.
(51) C01G 49/00	(21) EP14792171.2	KIRKMAN, Thomas, R.
C01G 49/06	(47) 12.08.2020	PEENO, Joshua



LEWIS, David, L.	(32) 23.09.2015	(31) 288637 P
STEINECKER, Adam, W.	(33) Germany	(32) 21.12.2009
(31) 201615296826	(51) C03C 3/16	(33) United States of America
(32) 18.10.2016	C03C 3/17	(51) C03C 17/00
(33) United States of America	C03C 3/19	C03C 17/25
(51) C03B 29/02	C03C 8/08	H01L 31/048
C03C 3/089	C03C 8/14	G02B 1/113
C03C 3/093	C03C 8/16	(11) EP3162773
C03C 4/08	C03C 8/24	(21) EP15815778.4
(11) EP3004003	C04B 41/00	(47) 12.08.2020
(21) EP14730790.4	C04B 41/45	(87) JP2015003300
(47) 12.08.2020	C04B 41/50	07.01.2016
(87) EP2014061287	C04B 41/52	(22) 30.06.2015
04.12.2014	C04B 41/85	(54) SUBSTRATE PROVIDED WITH
(22) 30.05.2014	C04B 41/89	LOW-REFLECTION COATING,
(54) METHOD FOR PRODUCING A GLASS	C04B 111/00	METHOD FOR ITS PRODUCTION
PRODUCT COMPOSED OF UV-	(11) EP3222602	AND PHOTOELECTRIC CONVERSION
PROTECTION GLASS, GLASS THAT	(21) EP17159538.2	DEVICE CONTAINING IT.
CAN BE PRODUCED BY MEANS OF	(47) 12.08.2020	(73) Nippon Sheet Glass Company, Limited
SAID METHOD, AND USES OF SAID	(22) 07.03.2017	(72) KOYO, Mizuho
GLASS	(54) HIGH TEMPERATURE OXIDATION	KONDO, Fumiyoshi
(73) Meindl Beratungs - und Beteiligungs	PROTECTION FOR COMPOSITES	MIYAMOTO, Yoko
GmbH	(73) Goodrich Corporation	KAWAZU, Mitsuhiro
(72) MEINDL, Hans Reiner	(72) MAZANY, Anthony	MATSUBARA, Hirofumi
BURGER, Gerald	(31) 201615076348	(31) 2014134177
DREXLER, Hubert	(32) 21.03.2016	(32) 30.06.2014
(31) 102013105643	(33) United States of America	(33) Japan
(32) 31.05.2013	(51) C03C 8/02	(51) C03C 17/34
(33) Germany	C03C 8/04	G02B 5/08
(51) C03C 3/087	C03C 8/14	G06F 1/16
C03C 3/095	C03C 17/04	H04N 5/64
C03C 10/14	C23D 5/06	(11) EP3105193
(11) EP3196174	C09D 11/037	(21) EP15706506.1
(21) EP16001377.7	(11) EP3109209	(47) 12.08.2020
(47) 12.08.2020	(21) EP16175235.7	(87) GB2015050361
(22) 20.06.2016	(47) 12.08.2020	20.08.2015
(54) METHOD FOR THE MANUFACTURE	(22) 20.06.2016	(22) 10.02.2015
OF A NOT COLOURED GLASS-	(54) METHOD OF MANUFACTURING	(54) COATED GLASS ARTICLE AND
CERAMIC MATERIAL WITH A	SUBSTRATE HAVING TEXTURED	DISPLAY ASSEMBLY MADE
REDUCED DIFFUSED LIGHT AND	COATING ON GLASS BASIS AND	THEREWITH
A GLASS CERAMIC MATERIAL	COATED SUBSTRATE	(73) Pilkington Group Limited
PRODUCED ACCORDING TO SAID	(73) Schott Orim Cam Sanayi ve Ticaret A.S	(72) VARANASI, Srikanth
METHOD AND ITS USE	Schott AG	(31) 201461938290 P
(73) Schott AG	(72) Karagöz, Hüda	(32) 11.02.2014
(72) Aksel, Elena	Mangold, Stephanie	(33) United States of America
Schneider, Meike	Schwabe, Carsten	(51) C04B 7/32
Hochrein, Oliver	Knoche, Silke	C04B 28/14
Rüdinger, Bernd	(31) 102015110121	(11) EP3630700
Gabel, Falk	(32) 24.06.2015	(21) EP19719484.8
Weiss, Evelin	(33) Germany	(47) 12.08.2020
Breitbach, Christian	(51) C03C 12/00	(87) EP2019060201
(31) 102016101066	C03C 17/30	31.10.2019
(32) 21.01.2016	C03C 17/34	(22) 18.04.2019
(33) Germany	C04B 20/10	(54) LOW-BELITE CSA CEMENT FOR
(51) C03C 3/087	C04B 26/16	CONSTRUCTION-CHEMICAL
C03C 3/112	C04B 111/60	APPLICATIONS
C03C 4/20	(11) EP2516345	(73) Calucem GmbH
C03C 21/00	(21) EP10788460.3	(72) WALENTA, Guenther
(11) EP3147265	(47) 12.08.2020	KADEN, Ronny
(21) EP16186177.8	(87) US2010058582	SCHMID, Markus
(47) 12.08.2020	14.07.2011	(31) 102018110136
(22) 29.08.2016	(22) 01.12.2010	(32) 26.04.2018
(54) CHEMICALLY RESISTANT GLASS AND	(54) COMPOSITE PAVEMENT STRUCTURE	(33) Germany
ITS USE	(73) Soiltec GmbH	(51) C04B 26/06
(73) Schott AG	BASF SE	(11) EP3294682
(72) Schwall, Michael	(72) HICKS, Steven	(21) EP15723003.8
Pawlowski, Edgar	BOWER, David, K.	(47) 12.08.2020
(31) 102015116097	HANDLOS, William	(87) EP2015060253

17.11.2016	(73) Sika Technology AG	United States of America
(22) 08.05.2015	(72) VALVERDE, Cristina	(51) C06B 21/00
(54) SURFACE COATING COMPOSITION	GRANIZO, Luz	(11) EP3208255
(73) STO SE & Co. KGaA	GARCIA, Ramiro	(21) EP14904021.4
(72) WEIER, Andreas	(31) 15154386	(47) 12.08.2020
SCHALLER, Christian	(32) 09.02.2015	(87) CN2014088730
WEH, Walter	(33) European Patent Office (EPO)	21.04.2016
GERLACH, Günter	(51) C04B 41/89	(22) 16.10.2014
BURGETH, Gerald	F01D 5/28	(54) GROUND STATION FOR INTRINSIC
GRAUNKE, Volker	(11) EP3565796	SAFETY-TYPE LATEX MATRIX
(51) C04B 28/04	(21) EP17832542.9	(73) Shijiazhuang Success Machinery
C04B 40/00	(47) 12.08.2020	Electrical Co., Ltd.
(11) EP2729430	(87) FR2017053872	(72) TANG, Qiuming
(21) EP12748525.8	12.07.2018	(51) C06B 23/00
(47) 12.08.2020	(22) 29.12.2017	C06B 33/00
(87) IB2012001357	(54) PART COMPRISING A SUBSTRATE	C06C 5/06
17.01.2013	AND AN ENVIRONMENTAL BARRIER	C06C 9/00
(22) 09.07.2012	(73) Safran Ceramics	(11) EP3377462
(54) HYDRAULIC BINDER	Centre National de la Recherche	(21) EP16791618.8
(73) Holcim Technology Ltd.	Scientifique	(47) 12.08.2020
(72) MATTHES, Winnie	Université de Bordeaux	(87) EP2016077014
CASTELLTORT, Zarina	(72) PIN, Lisa	26.05.2017
MATSCHER, Thomas	ARNAL, Simon	(22) 08.11.2016
BAALBAKI, Moussa	REBILLAT, Francis	(54) REACH-COMPLIANT PYROTECHNIC
(31) 10052011	MAUVY, Fabrice	DELAYED-ACTION COMPOSITION
(32) 08.07.2011	(31) 1750127	AND PRIMER CHARGE HAVING
(33) Austria	(32) 06.01.2017	VARIABLY SETTABLE PERFORMANCE
(51) C04B 35/111	(33) France	PARAMETERS
C04B 35/117	(51) C04B 111/00	(73) Rheinmetall Waffe Munition GmbH
C04B 35/626	C08L 33/08	(72) CEGIEL, Dirk
C04B 35/64	C09D 133/08	SCHULZ, Ernest
H01B 1/02	E04D 7/00	STRENGER, Julia
H01B 3/12	(11) EP3380561	(31) 102015014821
(11) EP2857373	(21) EP16816476.2	(32) 18.11.2015
(21) EP13796404.5	(47) 12.08.2020	(33) Germany
(47) 12.08.2020	(87) US2016063024	(51) C07B 57/00
(87) JP2013065247	01.06.2017	C07C 319/28
05.12.2013	(22) 21.11.2016	C07C 323/58
(22) 31.05.2013	(54) TWO-COMPONENT AQUEOUS	C07C 323/59
(54) HIGH-WITHSTANDING-VOLTAGE	COMPOSITION FOR COATING	C12N 9/80
ALUMINA SINTERED COMPACT AND	ROOFING SUBSTRATES AND	C12P 41/00
HIGH-WITHSTANDING-VOLTAGE	METHOD OF MAKING ROOF	(11) EP3067430
MEMBER	COATINGS	(21) EP14858471.7
(73) Kyocera Corporation	(73) Rohm and Haas Company	(47) 12.08.2020
(72) TOYODA, Satoshi	(72) MALLARDI, Joe	(87) JP2014078136
TAKENOSHITA, Hidehiro	RAND, Charles J.	07.05.2015
(31) 2012124474	SZEWCZYK, Janah C.	(22) 22.10.2014
2012214491	(31) 201562259729 P	(54) METHOD FOR PRODUCING D-FORM
(32) 31.05.2012	(32) 25.11.2015	OR L-FORM AMINO ACID DERIVATIVE
27.09.2012	(33) United States of America	HAVING THIOL GROUP
(33) Japan	(51) C05C 3/00	(73) Glytech, Inc.
Japan	C05D 1/02	(72) KAJIHARA, Yasuhiro
(51) C04B 41/48	C05D 9/00	MORISHITA, Yasuhiro
C04B 41/50	(11) EP2419390	MURASE, Takefumi
C04B 41/63	(21) EP10764030.2	(31) 2013228790
C04B 41/68	(47) 12.08.2020	(32) 01.11.2013
C04B 111/00	(87) CA2010000592	(33) Japan
C04B 111/72	21.10.2010	(51) C07B 61/00
(11) EP3256433	(22) 16.04.2010	C07D 311/92
(21) EP16704570.7	(54) DISPERSIBLE SULPHUR FERTILIZER	C08G 61/12
(47) 12.08.2020	PELLETS	G03F 7/004
(87) EP2016052700	(73) Sulvaris Inc.	G03F 7/038
18.08.2016	(72) PEDERSEN, Eric	(11) EP3279190
(22) 09.02.2016	(31) 2663119	(21) EP16772053.1
(54) NON-INVASIVE REPAIR AND	169956 P	(47) 12.08.2020
RETROFITTING OF HARDENED	(32) 16.04.2009	(87) JP2016056333
REINFORCED CONCRETE	16.04.2009	06.10.2016
STRUCTURES	(33) Canada	(22) 02.03.2016

(54) RESIST COMPOSITION, METHOD FOR FORMING RESIST PATTERN, AND POLYPHENOL COMPOUND USED THEREIN	C07C 47/04 C10L 1/02 C10L 1/185 C10L 1/198	(21) EP14707715.0 (47) 12.08.2020 (87) EP2014053587 04.09.2014
(73) Mitsubishi Gas Chemical Company, Inc.	C10L 10/06	(22) 25.02.2014
(72) TOIDA, Takumi ECHIGO, Masatoshi SATO, Takashi SHIMIZU, Youko	(11) EP3231788 (21) EP17165960.0 (47) 12.08.2020 (22) 11.04.2017	(54) PROCESS FOR REMOVING FORMALDEHYDE FROM A COMPOSITION COMPRISING GLYCOLALDEHYDE
(31) 2015073265 (32) 31.03.2015 (33) Japan	(54) PROCESS FOR PRODUCING A MULTIFUNCTIONAL PRODUCT AND THE DEVICE FOR APPLYING SAID PROCESS	(73) Haldor Topsøe A/S (72) TAARNING, Esben HOLM, Martin Spangsberg
(51) C07C 7/04 C07C 9/06 C07C 11/04 C07C 11/24	(73) Blueplasma Power, S.L. (72) Araya Brenes, Mario (31) 201630473 (32) 15.04.2016 (33) Spain	(31) PCT/EP2013/053962 201370694 (32) 27.02.2013 18.11.2013 (33) World Intellectual Property Office (WIPO) Denmark
(11) EP3345887 (21) EP17796289.1 (47) 12.08.2020 (87) KR2017003794 16.11.2017 (22) 07.04.2017	(51) C07C 29/84 C07C 31/20 (11) EP3464226 (21) EP17723727.8 (47) 12.08.2020 (87) EP2017062168 30.11.2017 (22) 19.05.2017	(51) C07C 51/12 C07C 51/47 C07C 53/08 (11) EP3277654 (21) EP15781266.0 (47) 12.08.2020 (87) US2015053737 06.10.2016 (22) 02.10.2015
(54) ETHYLENE PREPARATION METHOD HAVING IMPROVED ENERGY EFFICIENCY	(54) PROCESS FOR THE SEPARATION OF DIOLS	(54) PROCESSES FOR PRODUCING ACETIC ACID
(73) LG Chem, Ltd. (72) KIM, Sung-Kyun LEE, Sung-Kyu KIM, Tae-Woo SHIN, Joon-Ho CHOO, Yeon-Uk PARK, Sa-Eun	(73) Shell Internationale Research Maatschappij B.V. (72) FISCHER, Kai Jürgen PEREZ GOLF, Carmelo HUIZENGA, Pieter	(73) Celanese International Corporation (72) SCATES, Mark O. ABREGO, Sarah Lane LIU, Yaw-Hwa SHAVER, Ronald D.
(31) 20160056943 (32) 10.05.2016 (33) Korea (Republic)	(31) 16170888 (32) 23.05.2016 (33) European Patent Office (EPO)	(31) 201562141490 P 201514694913 (32) 01.04.2015 23.04.2015 (33) United States of America United States of America
(51) C07C 29/09 C07C 29/88	(51) C07C 45/46 C07C 49/84 C08G 61/12	(51) C07C 51/25 (11) EP3294701 (21) EP16722636.4 (47) 12.08.2020 (87) EP2016060328 17.11.2016 (22) 09.05.2016
(11) EP3016925 (21) EP14738436.6 (47) 12.08.2020 (87) EP2014063397 08.01.2015 (22) 25.06.2014	(11) EP3404008 (21) EP17305559.1 (47) 12.08.2020 (22) 16.05.2017	(54) METHOD FOR MANUFACTURING 1,4-BIS (4-PHENOXYBENZOYL)BENZENE AT AN ELEVATED TEMPERATURE
(54) PROCESS FOR THE PREPARATION OF 3-HEPTANOL FROM A MIXTURE CONTAINING 2-ETHYLHEXANAL AND 3-HEPTYL FORMATE	(73) ARKEMA FRANCE (72) JOUANNEAU, Julien LE, Guillaume AMSTUTZ, Jérôme	(54) PROCESS FOR PREPARING AN UNSATURATED CARBOXYLIC ACID SALT
(73) BASF SE (72) TELES, Joaquim, Henrique SIMON, Joachim DEHN, Martine DANZ, Manuel DEHN, Richard	(51) C07C 45/46 C07C 49/84 C08G 61/12 C08L 65/00	(73) BASF SE (72) SCHAUB, Thomas HUGUET SUBIELA, Nuria PACIELLO, Rocco FRIES, Donata Maria MANZINI, Simone
(31) 13174705 201361841942 P (32) 02.07.2013 02.07.2013 (33) European Patent Office (EPO) United States of America	(11) EP3404010 (21) EP17305562.5 (47) 12.08.2020 (22) 16.05.2017	(31) 15167626 (32) 13.05.2015 (33) European Patent Office (EPO)
(51) C07C 29/154 C07C 31/04 C07C 41/01 C07C 41/09 C07C 41/56 C07C 43/04 C07C 43/30 C07C 45/37 C07C 45/38	(54) METHOD FOR MANUFACTURING 1,4-BIS (4-PHENOXYBENZOYL)BENZENE USING SUBSTANTIALLY NON-HYDROLYZED TEREPHTHALOYL CHLORIDE	(51) C07C 51/64 C07C 57/76 C07C 67/62 C07C 69/653 (11) EP3281932 (21) EP16776717.7 (47) 12.08.2020 (87) JP2016061624 13.10.2016
	(73) ARKEMA FRANCE (72) JOUANNEAU, Julien LE, Guillaume	
	(51) C07C 45/85 (11) EP2961725	

(22) 08.04.2016	(73) Hebei Fengyuan Green Technology Inc.	C07D 405/12
(54) COMPOSITION CONTAINING ACRYLIC ACID DERIVATIVE, AND METHOD FOR STABILIZING ACRYLIC ACID DERIVATIVE	(72) SU, Deshui	C07D 409/04
(73) Daikin Industries, Ltd.	(31) 201110029377	C07D 413/04
(72) MATSUURA, Makoto	(32) 27.01.2011	(11) EP3107899
YOSHIYAMA, Asako	(33) China	(21) EP15711336.6
KISHIKAWA, Yosuke	(51) C07C 211/54	(47) 12.08.2020
(31) 2015080382	C07C 211/58	(87) US2015016703
2015090688	C07C 211/61	27.08.2015
(32) 09.04.2015	C07D 307/91	(22) 19.02.2015
27.04.2015	C07D 333/76	(54) MITOCHONDRIAL ALDEHYDE DEHYDROGENASE 2 (ALDH2) BINDING POLYCYCLIC AMIDES AND THEIR USE FOR THE TREATMENT OF CANCER
(33) Japan	H01L 51/50	(73) Aviv Therapeutics, Inc.
(51) C07C 68/08	(11) EP3296288	(72) YANG, Wenjin
C07F 7/00	(21) EP17192165.3	YU, Teh-Yie
C07F 7/28	(47) 12.08.2020	JIANG, Chun
C08G 64/30	(22) 20.09.2017	(31) 201461941909 P
C07C 68/06	(54) CONDENSED CYCLIC COMPOUND AND ORGANIC LIGHT-EMITTING DEVICE INCLUDING THE SAME	(32) 19.02.2014
(11) EP3237425	(73) Samsung Display Co., Ltd.	(33) United States of America
(21) EP15821067.4	(72) ITOI, Hiroaki	(51) C07C 237/22
(47) 12.08.2020	(31) 20160120139	C07K 16/44
(87) EP2015080783	(32) 20.09.2016	G01N 33/94
30.06.2016	(33) Korea (Republic)	(11) EP3265074
(22) 21.12.2015	(51) C07C 213/02	(21) EP16759256.7
(54) COMPOSITION COMPRISING TITANIUM OR ZIRCONIUM ALKOXIDE OR ARYLOXIDE AND USE THEREOF	C07C 213/10	(47) 12.08.2020
(73) Shell Internationale Research Maatschappij B.V.	C07C 235/80	(87) US2016018251
(72) VAPORCIYAN, Garo, Garbis	C07C 237/16	09.09.2016
YU, Kunquan	C07C 269/06	(22) 17.02.2016
(31) 14200068	C07D 213/82	(54) PREGABALIN IMMUNOASSAYS
(32) 23.12.2014	C07D 309/40	(73) ARK Diagnostics, Inc.
(33) European Patent Office (EPO)	C07D 319/06	(72) VALDEZ, Johnny
(51) C07C 69/54	C07D 498/22	MOON, Byung Sook
C07C 69/82	(11) EP3527573	OROZCO, Alejandro A.
C07D 335/16	(21) EP19152851.2	NARANJO, Gonzalo
C07D 495/10	(47) 12.08.2020	(31) 201562127689 P
C09D 4/00	(22) 16.06.2015	(32) 03.03.2015
(11) EP3280696	(54) SYNTHESIS OF POLYCYCLIC-CARBAMOYLPIRIDONE COMPOUNDS	(33) United States of America
(21) EP16718610.5	(73) Gilead Sciences, Inc.	(51) C07C 253/30
(47) 12.08.2020	(72) CHIU, Anna	C07C 255/19
(87) EP2016057548	ENQUIST, John	C08F 20/60
13.10.2016	GRIGGS, Nolan	(11) EP3652151
(22) 06.04.2016	HALE, Christopher	(21) EP19736729.5
(54) FUNCTIONALIZED PHOTOINITIATORS	IKEMOTO, Norihiro	(47) 12.08.2020
(73) Schmid Rhyner Ag	KEATON, Katie, Ann	(87) EP2019068485
(72) OSSENBACH, Alexander	KRAFT, Matt	23.01.2020
SCHLATTERBECK, Dirk	LAZERWITH, Scott, E.	(22) 10.07.2019
LUDWIG, Peter Eladio	LEEMAN, Michel	(54) METHOD FOR PREPARING C-H ACIDIC (METH)ACRYLATES
JAHANBANI, Baktash	PENG, Zhihui	(73) Evonik Operations GmbH
(31) 4792015	SCHRIER, Kate	(72) TRESKOW, Marcel
(32) 07.04.2015	TRINIDAD, Jonathan	CASPARI, Maik
(33) Switzerland	HERPT, Jochem, Van	SCHÜTZ, Thorben
(51) C07C 209/00	WALTMAN, Andrew, W.	KRILL, Steffen
C07C 211/51	(31) 201462015081 P	(31) 18183907
(11) EP2671867	(32) 20.06.2014	(32) 17.07.2018
(21) EP11856910.2	(33) United States of America	(33) European Patent Office (EPO)
(47) 12.08.2020	(51) C07C 235/60	(51) C07C 263/10
(87) CN2011084196	C07D 213/56	C07C 265/12
02.08.2012	C07D 213/81	(11) EP3392238
(22) 19.12.2011	C07D 213/82	(21) EP16875686.4
(54) RECLAIMING TOLUENEDIAMINE FROM TAR WASTE RESIDUE DISCHARGED FROM SYNTHESIS OF TOLUENE DIISOCYANATE	C07D 213/89	(47) 12.08.2020
	C07D 231/12	(87) JP2016087245
	C07D 233/64	22.06.2017
	C07D 261/08	(22) 14.12.2016
	C07D 277/30	(54) PRODUCTION METHOD FOR ISOCYANATE COMPOUND
	C07D 307/54	
	C07D 333/24	
	C07D 401/04	

(73) Sumitomo Chemical Company, Limited	(32) 20.10.2016	C07D 405/14
(72) MIYAMOTO, Takashi	(33) European Patent Office (EPO)	C07D 407/04
NAGASHIMA, Yuta	(51) C07D 207/16	C07D 407/06
HIROTA, Masaji	C12P 13/22	C07D 413/14
(31) 2015247040	(11) EP3507274	(11) EP2978753
(32) 18.12.2015	(21) EP17758108.9	(21) EP14718338.8
(33) Japan	(47) 12.08.2020	(47) 12.08.2020
(51) C07C 271/28	(87) EP2017070820	(87) EP2014055946
C07C 271/30	08.03.2018	02.10.2014
C07C 321/30	(22) 17.08.2017	(22) 25.03.2014
G03F 7/00	(54) METHOD FOR PRODUCING CHIRAL	(54) NOVEL VIRAL REPLICATION
G03F 7/027	AMINONITRILES	INHIBITORS
G03F 7/035	(73) Universität Bielefeld	(73) Katholieke Universiteit Leuven
(11) EP3233791	(72) GRÖGER, Harald	(72) BARDIOT, Dorothée
(21) EP15808579.5	BETKE, Tobias	CARLENS, Gunter
(47) 12.08.2020	ROMMELMANN, Philipp	DALLMEIER, Kai
(87) EP2015079385	(31) 102016116130	KAPTEIN, Suzanne
23.06.2016	(32) 30.08.2016	KOUKNI, Mohamed
(22) 11.12.2015	(33) Germany	MARCHAND, Arnaud
(54) MOISTURE STABLE HOLOGRAPHIC	(51) C07D 211/46	NEYTS, Johan
MEDIA	(11) EP3275862	SMETS, Wim
(73) Covestro Deutschland AG	(21) EP16772618.1	(31) 201305376
(72) FÄCKE, Thomas	(47) 12.08.2020	201361805054 P
BRUDER, Friedrich-Karl	(87) JP2016059599	(32) 25.03.2013
RÖLLE, Thomas	06.10.2016	25.03.2013
HÖNEL, Dennis	(22) 25.03.2016	(33) United Kingdom
(31) 14199164	(54) METHOD FOR PRODUCING	United States of America
(32) 19.12.2014	1-(4-HYDROXYPHENYL)-4-(4-	(51) C07D 231/14
(33) European Patent Office (EPO)	TRIFLUOROMETHOXYPHENOXY)PIPERIDINE	EP3063134
(51) C07C 303/38	OR SALT THEREOF	(21) EP14827554.8
C07C 311/47	(73) Otsuka Pharmaceutical Co., Ltd.	(47) 12.08.2020
(11) EP3351530	(72) MIYAKE, Masahiro	(87) IN2014000694
(21) EP16846947.6	ASAHINA, Aya	07.05.2015
(47) 12.08.2020	OKADA, Takahiro	(22) 31.10.2014
(87) RU2016000624	(31) 2015065824	(54) PROCESS FOR THE PREPARATION
23.03.2017	2016036290	OF PYRAZOLE DERIVATIVES
(22) 13.09.2016	(32) 27.03.2015	(73) SRF LIMITED
(54) METHOD OF PRODUCING	26.02.2016	(72) DAKSHINAMOORTHY, Srikant
A SODIUM SALT OF (2,6-	(33) Japan	KAMARAJ, Thangaselvam
DICHLOROPHENYL)AMIDE	Japan	IYENGAR, Sarathy
CARBOPENTOXYSULPHANILIC ACID	(51) C07D 213/71	NAGAPPAN, Arumugam
(73) Tets, Viktor Veniaminovich	C07D 401/12	SAXENA, Rahul
Tets, Georgy Viktorovich	(11) EP2963019	ANAND, Rajdeep
(72) TETS, Viktor Veniaminovich	(21) EP14757595.5	(31) 3251DE2013
TETS, Georgy Viktorovich	(47) 12.08.2020	(32) 01.11.2013
KRUTIKOV, Viktor Iosifovich	(87) JP2014054808	(33) India
(31) 2015141264	04.09.2014	(51) C07D 403/14
(32) 15.09.2015	(22) 27.02.2014	C07D 417/14
(33) Russian Federation	(54) METHOD FOR PRODUCING	H01L 51/42
(51) C07C 319/14	PYRIDINE-3-SULFONYL CHLORIDE	H01L 51/46
C07C 323/09	(73) Takeda Pharmaceutical Company	(11) EP2976794
C07C 323/20	Limited	(21) EP14711169.4
C07C 323/62	(72) MAJIMA, Keisuke	(47) 12.08.2020
C07D 257/06	(31) 2013039809	(87) EP2014053483
(11) EP3529233	(32) 28.02.2013	28.08.2014
(21) EP17790722.7	(33) Japan	(22) 21.02.2014
(47) 12.08.2020	(51) C07D 223/04	(54) PHOTOACTIVE ORGANIC MATERIAL
(87) EP2017076307	C07D 231/12	FOR OPTOELECTRONIC DEVICES
26.04.2018	C07D 333/22	(73) Heliatek GmbH
(22) 16.10.2017	C07D 401/04	(72) WEISS, Andre
(54) METHOD FOR THE PREPARATION	C07D 401/06	HILDEBRANDT, Dirk
OF 3-ALKYLSULFANYL-2-CHLOR-	C07D 401/14	GERDES, Olga
N- 1-ALKYL-1H-TETRAZOL-5-YL) -4-	C07D 403/04	MATTERSTEIG, Gunter
TRIFLUOROMETHYL-BENZAMIDENE	C07D 403/06	VETTER, Serge
(73) Bayer CropScience Aktiengesellschaft	C07D 403/12	(31) 102013101712
(72) GALLENKAMP, Daniel	C07D 405/04	(32) 21.02.2013
FORD, Mark, James	C07D 405/06	(33) Germany
(31) 16194840	C07D 405/12	(51) C07D 405/04

G03F 7/09	KOHLSTRUK, Stephan	26.05.2017
G03F 7/11	HOPPE, Dirk	(22) 17.11.2016
H01L 21/027	SPYROU, Emmanouil	(54) BACTERIA-BASED PROTEIN DELIVERY
(11) EP3346334	(51) C07H 1/00	(73) Universität Basel
(21) EP16841675.8	C07H 21/00	(72) ITTIG, Simon
(47) 12.08.2020	C07K 19/00	AMSTUTZ, Marlise
(87) JP2016074865	(11) EP2852602	KASPER, Christoph
09.03.2017	(21) EP13794477.3	(31) 15195493
(22) 25.08.2016	(47) 12.08.2020	(32) 19.11.2015
(54) USE OF A COMPOSITION FOR FORMING A PHOTORESIST UNDERLAYER FILM FOR LITHOGRAPHY, PHOTORESIST UNDERLAYER FILM FOR LITHOGRAPHY AND METHOD FOR PRODUCING SAME, AND RESIST PATTERN FORMING METHOD	(87) US2013038703	(33) European Patent Office (EPO)
(73) Mitsubishi Gas Chemical Company, Inc.	28.11.2013	(51) C07K 14/245
(72) TOIDA, Takumi	(22) 29.04.2013	C12N 9/12
MAKINOSHIMA, Takashi	(54) METHOD FOR CONJUGATING OLIGONUCLEOTIDES	C12N 15/54
SATO, Takashi	(73) Agilent Technologies, Inc.	C12P 13/08
ECHIGO, Masatoshi	(72) HILL, Kenneth, W.	(11) EP3144385
(31) 2015170190	MOKLER, Victor, R.	(21) EP15837846.3
(32) 31.08.2015	(31) 201261649766 P	(47) 12.08.2020
(33) Japan	(32) 21.05.2012	(87) KR2015009381
(51) C07D 493/10	(33) United States of America	10.03.2016
G01N 21/64	(51) C07K 1/22	(22) 04.09.2015
G01N 31/00	A61K 47/68	(54) MICROORGANISM WITH IMPROVED L-THREONINE PRODUCTIVITY, AND METHOD FOR PRODUCING L-THREONINE BY USING SAME
G01N 31/22	(11) EP3394082	(73) Cj Cheiljedang Corporation
G01N 33/52	(21) EP16823047.2	(72) LEE, Ji Sun
G01N 33/84	(47) 12.08.2020	LEE, Kwang Ho
(11) EP3096143	(87) IB2016057417	KIM, Hyo Jin
(21) EP15737579.1	29.06.2017	LEE, Keun Chul
(47) 12.08.2020	(22) 07.12.2016	HWANG, Young Bin
(87) JP2015051151	(54) PURIFICATION OF ANTIBODY DRUG CONJUGATES USING A SODIUM PHOSPHATE GRADIENT	(31) 20140119138
23.07.2015	(73) Pfizer Inc.	(32) 05.09.2014
(22) 16.01.2015	(72) NADKARNI, Durgesh V.	(33) Korea (Republic)
(54) IRON(II) ION DETECTION AGENT AND DETECTION METHOD USING SAME	BORGMEYER, Jeffry R.	(51) C07K 14/415
(73) CellSpect Co., Ltd.	MENG, He	C12N 15/82
(72) NAGASAWA, Hideko	JIANG, Qingping	A01H 5/00
HIRAYAMA, Tasuku	(31) 201562270174 P	(11) EP2988590
(31) 2014007140	(32) 21.12.2015	(21) EP14788964.6
(32) 17.01.2014	(33) United States of America	(47) 12.08.2020
(33) Japan	(51) C07K 7/00	(87) IB2014060965
(51) C07F 7/18	G01N 30/72	30.10.2014
(11) EP3546467	G01N 33/00	(22) 24.04.2014
(21) EP18164576.3	G01N 33/50	(54) PLANTS RESISTANT TO PATHOGENIC MICROORGANISMS GROWING IN VASCULAR TISSUES
(47) 12.08.2020	G01N 33/68	(73) Centro de Investigacion y de Estudios Avanzados del Instituto Politécnico Nacional
(22) 28.03.2018	(11) EP2862870	Secretaría de Agricultura, Ganadería, Desarrollo Rural, Pesca y Alimentación
(54) METHOD FOR PRODUCING ALKOXY-SILANE GROUP-CONTAINING ISOCYANATES	(21) EP14193907.4	(72) XOCONOSTLE CÁZARES, Beatriz
(73) Evonik Operations GmbH	(47) 12.08.2020	CHAVARIN PALACIO, Claudio
(72) KRECZINSKI, Manfred	(22) 14.10.2010	LÓPEZ BUENFIL, José Abel
KOHLSTRUK, Stephan	(54) Mass spectrometry quantitation of P450 protein isoforms in hepatocytes	GUERRA LUPIÁN, Miguel Ángel
SPYROU, Emmanouil	(73) DH Technologies Development Pte. Ltd.	MORALES GALVÁN, Oscar
HOPPE, Dirk	(72) Williamson, Brian L	ZECUA NÁJERA, Rebeca
(51) C07F 7/18	Purkayastha, Subhasish	RUIZ MEDRANO, Roberto
(11) EP3546468	(31) 252430 P	GÓMEZ FELIPE, Andrea
(21) EP18164578.9	252648 P	TRUJILLO ARRIAGA, Francisco Javier
(47) 12.08.2020	(32) 16.10.2009	(31) 2013004623
(22) 28.03.2018	17.10.2009	(32) 24.04.2013
(54) METHOD FOR PRODUCING ALKOXY-SILANE GROUP-CONTAINING ISOCYANATES	(33) United States of America	(33) Mexico
(73) Evonik Operations GmbH	United States of America	(51) C07K 14/62
(72) KRECZINSKI, Manfred	(51) C07K 14/195	C12P 21/00
	C12N 1/21	(11) EP3087192
	C12N 15/62	(21) EP14874379.2
	C12N 15/70	(47) 12.08.2020
	C12N 15/74	
(11) EP3377634	(11) EP3377634	
(21) EP16825704.6	(21) EP16825704.6	
(47) 12.08.2020	(47) 12.08.2020	
(87) EP2016078087	(87) EP2016078087	

(87) IB2014067223 02.07.2015	(11) EP3094979	(32) 30.10.2015
(22) 22.12.2014	(21) EP15701300.4	(33) United States of America
(54) METHOD OF PRODUCTION OF HUMAN INSULIN METHYL ESTER	(47) 12.08.2020	(51) C08B 37/00
(73) Biocon Biologics India Limited	(87) EP2015050269 16.07.2015	C08L 3/00
(72) BUDDHA, Madhavan	(22) 08.01.2015	C08L 3/02
HAZRA, Partha	(54) BIOCHEMICAL MARKERS FOR PULMONARY AND OTHER DISEASES	C08L 5/00
CHANNABASAPPA GOUDAR, Dinesh	(73) Nordic Bioscience A/S	C08L 23/04
G. SATHYANARAYAN, Srikanth	(72) KRISTENSEN, Jacob Hull	C08L 23/10
(31) 6021CH2013	LEEMING, Diana Julie	C08L 29/04
(32) 23.12.2013	KARSDAL, Morten	C08L 67/04
(33) India	(31) 201400472	C08L 77/00
(51) C07K 14/725	(32) 13.01.2014	C09D 105/00
C07K 14/735	(33) United Kingdom	C08K 3/013
C07K 16/28	(51) C07K 16/28	C08K 3/014
C12N 5/0783	(11) EP3243838	(11) EP3237454
(11) EP2997132	(21) EP17170095.8	(21) EP15821229.0
(21) EP14727626.5	(47) 12.08.2020	(47) 12.08.2020
(47) 12.08.2020	(22) 09.05.2017	(87) US2015066317 30.06.2016
(87) IB2014061409 20.11.2014	(54) HUMANIZED MONOCLONAL ANTIBODY AND USES THEREOF	(22) 17.12.2015
(22) 13.05.2014	(73) Industrial Technology Research Institute	(54) POLYMERIC BLEND CONTAINING POLY ALPHA-1,3-GLUCAN
(54) METHODS FOR ENGINEERING ALLOGENEIC AND HIGHLY ACTIVE T CELL FOR IMMUNOTHERAPY	(72) Fan, Chia-Yu	(73) DuPont Industrial Biosciences USA, LLC
(73) Cellectis	Chou, Min-Yuan	(72) BEHABTU, Natnael
(72) GALETTO, Roman	(31) 20166233339 P	KUMAR, Sandeep
GOUBLE, Agnes	105143525	PAULLIN, Jayme L.
GROSSE, Stephanie	(32) 09.05.2016	(31) 201462095429 P
SCHIFFER-MANNIOUI, Cécile	28.12.2016	(32) 22.12.2014
POIROT, Laurent	(33) United States of America	(33) United States of America
SCHARENBERG, Andrew	Taiwan, Province of China	(51) C08F 2/06
SMITH, Julianne	(51) C07K 16/40	C08F 36/06
(31) 201313892805	(11) EP3057993	C08F 297/04
PCT/US2013/040755	(21) EP14853910.9	(11) EP3190130
PCT/US2013/040766	(47) 12.08.2020	(21) EP15838378.6
201313942191	(87) US2014061236 23.04.2015	(47) 12.08.2020
(32) 13.05.2013	(22) 17.10.2014	(87) JP2015075126 10.03.2016
13.05.2013	(54) METHODS FOR TREATING CONDITIONS ASSOCIATED WITH	(22) 03.09.2015
13.05.2013	MASP-2 DEPENDENT COMPLEMENT	(54) METHOD FOR PRODUCING ANIONIC POLYMER
15.07.2013	ACTIVATION	(73) Kuraray Co., Ltd.
(33) United States of America	(73) Omeros Corporation	(72) HATANAKA, Yasuhiro
World Intellectual Property Office (WIPO)	University of Leicester	TSUJI, Tomoaki
World Intellectual Property Office (WIPO)	(72) DEMOPULOS, Gregory, A.	SUNAGA, Syuichi
United States of America	DUDLER, Thomas	(31) 2014180094
(51) C07K 16/00	SCHWAEBLE, Hans-Wilhelm	(32) 04.09.2014
(11) EP2970435	(31) 201361892283 P	(33) Japan
(21) EP14719931.9	201462020845 P	(51) C08F 2/26
(47) 12.08.2020	(32) 17.10.2013	C08F 220/14
(87) US2014024688 25.09.2014	03.07.2014	(11) EP3404049
(22) 12.03.2014	(33) United States of America	(21) EP17738461.7
(54) METHODS FOR PRODUCING FABS AND BI-SPECIFIC ANTIBODIES	United States of America	(47) 12.08.2020
(73) Eli Lilly and Company	(51) C08B 1/10	(87) JP2017000730 20.07.2017
The University of North Carolina at Chapel Hill	C12P 7/08	(22) 12.01.2017
(72) DEMAREST, Stephen J.	(11) EP3368580	(54) (METH)ACRYLATE POLYMER
KUHLMAN, Brian Arthur	(21) EP16860882.6	(73) Kuraray Co., Ltd.
LEWIS, Steven Morgan	(47) 12.08.2020	(72) OKABE, Fumihiko
TOUGHIRI, Raheleh	(87) US2016059337 04.05.2017	TAKAHASHI, Toru
WU, Xiufeng	(22) 28.10.2016	NAKAHARA, Atsuhiro
(31) 201361791598 P	(54) ALTERNATIVE POST TREATMENT FOR	(31) 2016003614
(32) 15.03.2013	STABILIZING HIGHLY DISORDERED	(32) 12.01.2016
(33) United States of America	CELLULOSES	(33) Japan
(51) C07K 16/18	(73) Cellulose Sciences International, Inc.	(51) C08F 4/659
G01N 33/68	(72) ATALLA, Rowan, S.	C08F 4/6592
	ATALLA, Rajai, H.	C08F 4/70
	(31) 201562249102 P	C08F 255/02
		C08J 5/18

- C08L 51/06  
C09J 123/00  
C09J 123/08  
C09J 151/06  
(11) EP2760958  
(21) EP12837027.7  
(47) 12.08.2020  
(87) US2012058236  
04.04.2013  
(22) 01.10.2012  
(54) SYSTEMS, METHODS AND  
COMPOSITIONS FOR PRODUCTION  
OF TIE-LAYER ADHESIVES  
(73) Equistar Chemicals, LP  
(72) BOTROS, Maged, G.  
HALEY, Jeffrey, C.  
(31) 201113250323  
(32) 30.09.2011  
(33) United States of America  
(51) C08F 4/659  
C08F 210/16  
(11) EP3320004  
(21) EP16739324.8  
(47) 12.08.2020  
(87) US2016039856  
12.01.2017  
(22) 28.06.2016  
(54) ZIEGLER-NATTA-METALLOCENE  
DUAL CATALYST SYSTEMS WITH  
ACTIVATOR-SUPPORTS  
(73) Chevron Phillips Chemical Company LP  
(72) DING, Errun  
TSO, Chung, C.  
YU, Youlu  
YANG, Qing  
BUCK, Richard, M.  
(31) 201562189770 P  
(32) 08.07.2015  
(33) United States of America  
(51) C08F 8/14  
C08F 8/22  
C08F 297/06  
(11) EP3305822  
(21) EP16800062.8  
(47) 12.08.2020  
(87) JP2016065467  
01.12.2016  
(22) 25.05.2016  
(54) PROCESS FOR PRODUCING  
THERMOPLASTIC ELASTOMER, AND  
THERMOPLASTIC ELASTOMER  
(73) Kaneka Corporation  
Compagnie Générale des  
Etablissements Michelin  
(72) KATO, Yasunaka  
IKARI, Yoshihiro  
(31) 2015106721  
(32) 26.05.2015  
(33) Japan  
(51) C08F 220/56  
C08F 220/58  
C08F 226/02  
C09K 8/508  
C09K 8/68  
C09K 8/88  
(11) EP3231824  
(21) EP16880568.7  
(47) 12.08.2020  
(87) CN2016091589  
06.07.2017  
(22) 25.07.2016  
(54) HYDROPHOBIC ASSOCIATED  
POLYMER AND PREPARATION  
METHOD THEREFOR  
(73) Sichuan Guangya Polymer Chemical  
Co., Ltd.  
(72) GUO, Yongjun  
LUO, Pingya  
LI, Huabing  
ZHANG, Xinmin  
GUO, Aimin  
HU, Jun  
(31) 201511020149  
(32) 29.12.2015  
(33) China  
(51) C08F 265/04  
(11) EP3356487  
(21) EP16770841.1  
(47) 12.08.2020  
(87) US2016051223  
06.04.2017  
(22) 12.09.2016  
(54) CURABLE AND CURED ADHESIVE  
COMPOSITIONS  
(73) 3M Innovative Properties Company  
(72) BEHLING, Ross E.  
CLAPPER, Jason D.  
EVERAERTS, Albert I.  
TING, Chun-Yi  
ELLIS, Mark F.  
BENSON, Karl E.  
XIA, Jianhui  
(31) 201562235152 P  
(32) 30.09.2015  
(33) United States of America  
(51) C08F 265/06  
C08F 279/02  
C08F 283/12  
C08G 18/60  
C08L 51/00  
C08L 51/04  
C08L 51/08  
C08L 75/04  
C09D 175/04  
C09J 175/04  
(11) EP3211040  
(21) EP15852518.8  
(47) 12.08.2020  
(87) JP2015079612  
28.04.2016  
(22) 20.10.2015  
(54) MODIFIED POLYASPARTIC ACID  
ESTER AND CURABLE RESIN  
COMPOSITION  
(73) Kaneka Corporation  
(72) MIYATAKE, Nobuo  
(31) 2014214722  
(32) 21.10.2014  
(33) Japan  
(51) C08F 283/12  
G02B 1/04  
(11) EP3391100  
(21) EP16823050.6  
(47) 12.08.2020  
(87) IB2016057586  
22.06.2017  
(22) 13.12.2016  
(54) AMPHIPHILIC BRANCHED  
POLYDIORGANOSILOXANE  
MACROMERS  
(73) Alcon Inc.  
(72) CHANG, Frank  
HUANG, Jinyu  
HOLLAND, Troy Vernon  
(31) 201562267314 P  
(32) 15.12.2015  
(33) United States of America  
(51) C08F 293/00  
C08L 53/00  
C09B 67/20  
C09D 17/00  
C09D 153/00  
(11) EP3260480  
(21) EP16752252.3  
(47) 12.08.2020  
(87) JP2016052675  
25.08.2016  
(22) 29.01.2016  
(54) BLOCK COPOLYMER, DISPERSANT,  
AND PIGMENT DISPERSION  
COMPOSITION  
(73) Otsuka Chemical Co., Ltd.  
(72) MASUMOTO, Satoru  
(31) 2015028137  
(32) 17.02.2015  
(33) Japan  
(51) C08G 18/00  
C08G 18/30  
C08K 3/22  
C08K 5/13  
C08K 5/138  
C08K 5/20  
(11) EP3310824  
(21) EP15895188.9  
(47) 12.08.2020  
(87) CN2015081524  
22.12.2016  
(22) 16.06.2015  
(54) ALDEHYDE SCAVENGERS FOR  
POLYURETHANE FOAMS  
(73) Evonik Operations GmbH  
(72) SU, Sheng  
BURDENIUC, Juan Jesus  
LAL, Gauri Sankar  
AL-RASHID, Jennifer E. A.  
PANITZSCH, Torsten  
(51) C08G 18/08  
C08G 18/12  
C08G 18/42  
C08J 3/05  
(11) EP3263627  
(21) EP16176762.9  
(47) 12.08.2020  
(22) 28.06.2016  
(54) DISTILLATIVE SEPARATION OF  
KETAZIN FROM POLYURETHANE  
DISPERSIONS  
(73) Covestro Deutschland AG  
(72) Grablowitz, Hans Georg  
Zastrow, Alfred  
Fleck, Olaf  
(51) C08G 18/16  
C08G 18/22  
C08G 18/24



C08J 9/02	(22) 11.09.2014	(72) GEHRINGER, Lionel
(11) EP3461850	(54) FIBER COATINGS WITH LOW	YU, Miran
(21) EP18196425.5	YOUNG'S MODULUS AND HIGH TEAR	HENNINGSSEN, Michael
(47) 12.08.2020	STRENGTH	ZWECKER, Joachim
(22) 25.09.2018	(73) Corning Incorporated	(31) 16196273
(54) MIXED METAL CATALYST	(72) CHEN, Yangbin	(32) 28.10.2016
COMPOSITIONS AND METHODS FOR	OCAMPO, Manuela	(33) European Patent Office (EPO)
MAKING POLYURETHANE FOAM	TANDON, Ruchi	(51) C08G 59/44
(73) Evonik Operations GmbH	(31) 201361876918 P	C08G 59/50
(72) Bender, Jared Denis	(32) 12.09.2013	C08J 5/24
Rogers, Joel R	(33) United States of America	(11) EP2935421
Vincent, Jean Louise	(51) C08G 59/20	(21) EP13811577.9
Stevens, Robert Edward	C08G 59/50	(47) 12.08.2020
(31) 201762563815 P	C08G 59/68	(87) EP2013077863
(32) 27.09.2017	(11) EP3161035	26.06.2014
(33) United States of America	(21) EP15734628.9	(22) 20.12.2013
(51) C08G 18/36	(47) 12.08.2020	(54) FAST CURE EPOXY RESIN SYSTEMS
C08G 18/48	(87) EP2015064881	(73) Hexcel Composites Limited
C08G 18/76	07.01.2016	(72) HARRINGTON, Chris
(11) EP3443019	(22) 30.06.2015	(31) 201223152
(21) EP17721483.0	(54) ADHESIVE COMPOSITIONS	(32) 21.12.2012
(47) 12.08.2020	(73) Hexcel Composites Limited	(33) United Kingdom
(87) US2017027205	(72) HARRINGTON, Chris	(51) C08G 61/08
19.10.2017	BURTON, Vaida	C08J 5/00
(22) 12.04.2017	(31) 201411586	C08L 65/00
(54) SILOXANE-OXYALKYLENE	(32) 30.06.2014	C09D 165/00
COPOLYMER SURFACTANT	(33) United Kingdom	(11) EP2902428
COMPOSITIONS	(51) C08G 59/22	(21) EP13841272.1
(73) Evonik Operations GmbH	C08G 59/32	(47) 12.08.2020
(72) BURDENIUC, Juan, Jesus	C08G 59/38	(87) JP2013075914
BANSEBERG, Udo	C08G 59/50	03.04.2014
(31) 201662321363 P	C08G 59/56	(22) 25.09.2013
(32) 12.04.2016	C08J 5/24	(54) POLYMERIZABLE COMPOSITION AND
(33) United States of America	C08L 63/00	METHOD FOR PRODUCING RESIN
(51) C08G 18/58	(11) EP3425005	MOLDED ARTICLE
C08G 59/00	(21) EP17759987.5	(73) Rimtec Corporation
C08G 59/22	(47) 12.08.2020	(72) NISHIOKA, Naoki
C08J 5/24	(87) JP2017007755	KAMEI, Nobuto
C08L 63/00	08.09.2017	(31) 2012211745
(11) EP3362495	(22) 28.02.2017	(32) 26.09.2012
(21) EP16785607.9	(54) EPOXY RESIN COMPOSITION,	(33) Japan
(47) 12.08.2020	MOLDING MATERIAL, AND FIBER-	(51) C08G 61/10
(87) US2016055437	REINFORCED COMPOSITE MATERIAL	C09K 11/06
20.04.2017	(73) Mitsubishi Chemical Corporation	H01L 51/50
(22) 05.10.2016	(72) OOTA, Akira	H05B 33/10
(54) FAST CURE EPOXY COMPOSITION	ICHINO, Masahiro	H05B 33/26
FOR USE IN HIGH THROUGHPUT	TERANISHI, Takuya	(11) EP3306694
MANUFACTURING PROCESSES	KUTSUWADA, Mitsuru	(21) EP16803130.0
(73) Dow Global Technologies, LLC	WATANABE, Yusuke	(47) 12.08.2020
(72) BANK, David H.	MUKOUZAKA, Natsumi	(87) JP2016065248
BISHOP, Matthew T.	(31) 2016038205	08.12.2016
PARSONS, Thomas J.	(32) 29.02.2016	(22) 24.05.2016
MECCA, Jodi M.	(33) Japan	(54) LIGHT-EMITTING ELEMENT AND
WU, Huang	(51) C08G 59/24	METHOD FOR MANUFACTURING
(31) 201562240556 P	C08G 59/40	SAME
(32) 13.10.2015	C08G 59/50	(73) Sumitomo Chemical Company, Ltd.
(33) United States of America	C08G 59/56	(72) IJIMA, Takayuki
(51) C08G 18/67	C08J 5/24	TANAKA, Masanobu
C08G 18/75	(11) EP3532526	YAMAMOTO, Kyoko
C09D 175/16	(21) EP17794695.1	(31) 2015109512
G02B 6/02	(47) 12.08.2020	(32) 29.05.2015
G02B 1/10	(87) EP2017077082	(33) Japan
C03C 25/10	03.05.2018	(51) C08G 63/88
(11) EP3044242	(22) 24.10.2017	C08J 9/14
(21) EP14776780.0	(54) RAPID CURING EPOXY-RESIN	C08J 9/20
(47) 12.08.2020	COMPOSITION FOR FIBER-MATRIX	(11) EP3320019
(87) US2014055120	SEMIFINISHED PRODUCTS	(21) EP16745630.0
19.03.2015	(73) Reichhold AS	(47) 12.08.2020

- (87) EP2016064270  
12.01.2017  
(22) 21.06.2016  
(54) PROCESS FOR PREPARING  
POLY(GLYCOLIDE-CO-LACTIDE)  
COPOLYMER MICROPARTICLES  
(73) Evonik Operations GmbH  
(72) KIRCHNER, Andreas  
LIZIO, Rosario  
ROSSMEISSEL, Markus Rolf  
LULEY, Wolfgang  
VORHOLZ, Johannes  
GRIMM, Silko  
SCHNEIDER, Marc  
(31) 15176023  
(32) 09.07.2015  
(33) European Patent Office (EPO)  

---

(51) C08G 64/20  
C08G 64/40  
C08K 5/00  
C08K 5/06  
C08K 5/13  
C08K 5/5313  
(11) EP3508512  
(21) EP17846824.5  
(47) 12.08.2020  
(87) KR2017006904  
08.03.2018  
(22) 29.06.2017  
(54) METHOD FOR PREPARING  
POLYCARBONATE  
(73) LG Chem, Ltd.  
(72) KO, Un  
CHUN, Byoungkue  
HONG, Moo Ho  
SON, Young Wook  
KO, Tae Yun  
(31) 20160111868  
(32) 31.08.2016  
(33) Korea (Republic)  

---

(51) C08G 69/00  
C08K 5/05  
C08K 5/5313  
C08K 5/5317  
C08K 13/02  
C08L 77/00  
(11) EP3034554  
(21) EP15195611.7  
(47) 12.08.2020  
(22) 20.11.2015  
(54) POLYAMIDE COMPOSITIONS  
(73) LANXESS Deutschland GmbH  
(72) ENDTNER, Jochen  
BIENMÜLLER, Matthias  
(31) 14199134  
(32) 19.12.2014  
(33) European Patent Office (EPO)  

---

(51) C08G 75/00  
C08L 81/00  
C08L 81/02  
C08G 75/02  
(11) EP3242905  
(21) EP16704074.0  
(47) 12.08.2020  
(87) US2016012658  
14.07.2016  
(22) 08.01.2016  
(54) LOW DENSITY FUEL RESISTANT  
SULFUR-CONTAINING POLYMER  
COMPOSITIONS AND USES THEREOF  
(73) PRC-Desoto International, Inc.  
(72) RAO, Chandra B.  
ITO, Marfi  
LIN, Renhe  
(31) 201514593069  
(32) 09.01.2015  
(33) United States of America  

---

(51) C08G 75/04  
(11) EP3239210  
(21) EP15872957.4  
(47) 12.08.2020  
(87) JP2015085607  
30.06.2016  
(22) 21.12.2015  
(54) ACTIVE ENERGY RAY-CURABLE  
COMPOSITION, AND USE THEREOF  
(73) Showa Denko K.K.  
(72) SATO, Akiko  
HATAKEYAMA, Eri  
NAKAMURA, Manabu  
TODA, Asuka  
(31) 2014258500  
(32) 22.12.2014  
(33) Japan  

---

(51) C08G 77/04  
C08G 77/06  
(11) EP3625285  
(21) EP17724791.3  
(47) 12.08.2020  
(87) EP2017061662  
22.11.2018  
(22) 16.05.2017  
(54) METHOD FOR PRODUCING  
ORGANOPOLYSILOXANE RESINS  
(73) Wacker Chemie AG  
(72) KAEPLER, Klaus  
THUMSER, Elfriede  

---

(51) C08G 77/08  
C08G 77/442  
C08G 77/46  
(11) EP3166991  
(21) EP15733374.1  
(47) 12.08.2020  
(87) EP2015063551  
14.01.2016  
(22) 17.06.2015  
(54) COMPOSITION CONTAINING  
PLATINUM  
(73) Evonik Operations GmbH  
(72) KNOTT, Wilfried  
(31) 102014213507  
(32) 11.07.2014  
(33) Germany  

---

(51) C08G 77/20  
C08G 77/46  
(11) EP3526277  
(21) EP17803988.9  
(47) 12.08.2020  
(87) IB2017056224  
19.04.2018  
(22) 09.10.2017  
(54) POLYMERIZABLE  
POLYDIMETHYLSILOXANE-  
POLYOXYALKYLENE BLOCK  
COPOLYMERS  
(73) Alcon Inc.  
(72) JING, Feng  
CHANG, Frank  
(31) 201662406467 P  
(32) 11.10.2016  
(33) United States of America  

---

(51) C08J 5/00  
C08L 83/04  
H01L 23/29  
C08K 3/00  
(11) EP2091999  
(21) EP07858337.4  
(47) 12.08.2020  
(87) FI2007050686  
19.06.2008  
(22) 13.12.2007  
(54) NOVEL NANOPARTICLE CONTAINING  
SILOXANE POLYMERS  
(73) Pibond Oy  
(72) RANTALA, Juha T.  
PAULASAARI, Jyri  
GÄDDA, Thomas  
(31) 874484 P  
(32) 13.12.2006  
(33) United States of America  

---

(51) C08J 5/04  
(11) EP3473665  
(21) EP18204335.6  
(47) 12.08.2020  
(22) 18.12.2013  
(54) FIBER-REINFORCED  
THERMOPLASTIC-RESIN MOLDING  
MATERIAL AND METHOD FOR  
MANUFACTURING FIBER-  
REINFORCED THERMOPLASTIC-  
RESIN MOLDING MATERIAL  
(73) Toray Industries, Inc.  
(72) HIRATA, Shin  
MITSUTSUJI, Yuki  
NISHIMURA, Toru  
(31) 2012279213  
2012279214  
2012279215  
(32) 21.12.2012  
21.12.2012  
21.12.2012  
(33) Japan  
Japan  
Japan  

---

(51) C08J 5/12  
C08J 7/02  
C08J 7/06  
(11) EP3390502  
(21) EP16822822.9  
(47) 12.08.2020  
(87) US2016065491  
22.06.2017  
(22) 08.12.2016  
(54) METHOD FOR ADHERING WATER  
SOLUBLE POLYMER FILMS  
(73) Rohm and Haas Company  
Dow Global Technologies LLC  
(72) KAO, Joseph  
PRASAD, Vikram  
VIETZKE, Sarah J.  
KARIKARI, Afua Sarpong  
JIN, Xin  
(31) 201562269548 P

(32) 18.12.2015	YANO, Hideaki	WALGIEN, Rolf
(33) United States of America	(31) 2014172997	FEIMA, Nico
(51) C08J 5/18	(32) 27.08.2014	FIETEN, Bram
C09K 3/10	(33) Japan	(31) 14182882
H01L 51/50	(51) C08K 3/26	(32) 29.08.2014
H05B 33/04	C08K 3/36	(33) European Patent Office (EPO)
B32B 7/02	(11) EP3512909	(51) C08L 3/02
(11) EP3088485	(21) EP17762157.0	A23L 23/00
(21) EP14873776.0	(47) 12.08.2020	A23L 27/30
(47) 12.08.2020	(87) EP2017072901	A23L 29/212
(87) JP2014083391	22.03.2018	A23L 33/21
02.07.2015	(22) 12.09.2017	(11) EP3222658
(22) 17.12.2014	(54) METHOD FOR FASTENER RETENTION	(21) EP17162898.5
(54) SHEET-LIKE SEALING MATERIAL, SEALING SHEET, ELECTRONIC- DEVICE SEALING BODY, AND ORGANIC ELECTROLUMINESCENT ELEMENT	(73) Akzo Nobel Coatings International B.V. Nylok LLC	(47) 12.08.2020
(73) LINTEC Corporation	(72) ALAIMO, Gregory	(22) 24.03.2017
(72) HAGIHARA Yoshiaki	GRADOZZI, Dominic J.	(54) AGENT FOR DELAYING THE GELLING TEMPERATURE OF STARCH INCLUDING SHORT-CHAIN FRUCTOOLIGOSACCHARIDES (SCFOS)
NISHIJIMA Kenta	(31) 201662395148 P	(73) Beghin Meiji SA
(31) 2013268519	16203646	(72) BARON, Laurence
(32) 26.12.2013	(32) 15.09.2016	(31) 1600497
(33) Japan	13.12.2016	(32) 24.03.2016
(51) C08J 9/224	(33) United States of America European Patent Office (EPO)	(33) France
C08J 9/232	(51) C08K 3/34	(51) C08L 53/02
(11) EP3268421	C08K 3/36	C08L 91/00
(21) EP16707778.3	C08K 5/00	C09K 8/035
(47) 12.08.2020	C08K 5/14	(11) EP3320027
(87) EP2016054536	C08K 5/56	(21) EP16808117.2
22.09.2016	C08L 83/07	(47) 12.08.2020
(22) 03.03.2016	C09D 183/04	(87) US2016036185
(54) ELECTRICALLY CONDUCTIVE PARTICULATE FOAMS BASED ON THERMOPLASTIC ELASTOMERS	C09K 3/10	15.12.2016
(73) BASF SE	E04B 1/94	(22) 07.06.2016
(72) PRISSOK, Frank	F16J 15/00	(54) STYRENIC BLOCK COPOLYMERS AS THERMALLY-ACTIVATED VISCOSIFIERS FOR OILFIELD APPLICATIONS
HARMS, Michael	F16J 15/02	(73) Kraton Polymers U.S. LLC
SCHUETTE, Markus	F16J 15/10	(72) BENING, Robert C. MURPHY, Erin WILLIS, Carl
(31) 15159048	(11) EP3026085	(31) 201562174881 P
(32) 13.03.2015	(21) EP14830254.0	(32) 12.06.2015
(33) European Patent Office (EPO)	(47) 12.08.2020	(33) United States of America
(51) C08K 3/04	(87) JP2014063400	(51) C08L 89/06
C08K 3/26	29.01.2015	C25B 3/04
C08K 3/32	(22) 21.05.2014	C25B 11/03
C08K 5/521	(54) SILICONE RUBBER COMPOSITION	D21H 25/18
C08L 23/08	(73) Shin-Etsu Chemical Co., Ltd.	(11) EP3516092
C08L 23/16	(72) HAYASHIDA, Osamu	(21) EP17787260.3
C08L 23/28	HOTTA, Masakatsu	(47) 12.08.2020
C08L 27/04	KOIKE, Yoshiaki	(87) IB2017055795
C08L 27/06	KASHIMA, Atsuhito	29.03.2018
C08L 27/24	(31) 2013151531	(22) 25.09.2017
C08L 33/12	(32) 22.07.2013	(54) PROCESS FOR PRODUCING COLLAGEN PARTICLES
C08L 43/02	(33) Japan	(73) Universita' degli Studi di Roma " Tor Vergata"
C08L 101/00	(51) C08K 5/00	(72) CAMERINI, Ilaria
E06B 3/263	C09D 4/06	BOARETTO, Aldrei
E06B 5/16	C09D 133/06	VALENTINI, Federica
C08K 3/00	C08K 3/00	(31) 201600096336
C08K 3/013	(11) EP3186314	(32) 26.09.2016
(11) EP3187548	(21) EP15756171.3	(33) Italy
(21) EP15835152.8	(47) 12.08.2020	(51) C09C 1/02
(47) 12.08.2020	(87) EP2015069840	D21H 17/67
(87) JP2015074195	03.03.2016	(11) EP3561002
03.03.2016	(22) 31.08.2015	
(22) 27.08.2015	(54) MULTILAYER RADIATION-CURABLE COATING FOR INDOOR AND OUTDOOR APPLICATION	
(54) RESIN COMPOSITION	(73) Wijzovast Beheer B.V.	
(73) Sekisui Chemical Co., Ltd.	(72) VAN WIJHE, Marie Louise	
(72) SHIMAMOTO, Michio	BROOKHUIS, Rainier	
	KLOCK, Wim	
	VAN DER WAAL, Pieter Hendrik	

(21) EP18168806.0	(31) 12170061	(51) C09K 8/58
(47) 12.08.2020	(32) 30.05.2012	E21B 43/25
(22) 23.04.2018	(33) European Patent Office (EPO)	E21B 47/10
(54) USE OF ADDITIVES CONTAINING PRIMARY ALKANOLAMINES IN AQUEOUS MINERAL SUSPENSIONS	(51) C09J 123/22	(11) EP3350411
(73) Omya International AG	C09J 151/04	(21) EP16847197.7
(72) BURL, Matthias	H01L 51/52	(47) 12.08.2020
RENTSCH, Samuel	C09J 7/38	(87) US2016051657
IPPOLITO, Fabio	(11) EP3142164	23.03.2017
(51) C09D 11/322	(21) EP16746872.7	(22) 14.09.2016
C09D 11/38	(47) 12.08.2020	(54) AVOIDING WATER BREAKTHROUGH IN UNCONSOLIDATED SANDS
C09D 11/40	(87) KR2016001271	(73) ConocoPhillips Company
(11) EP3460013	11.08.2016	(72) CHIN, Lee
(21) EP18196388.5	(22) 04.02.2016	VIENOT, Michael E.
(47) 12.08.2020	(54) ENCAPSULATION FILM	(31) 201562218834 P
(22) 24.09.2018	(73) LG Chem, Ltd.	201615263489
(54) INK JET COMPOSITION SET AND INK JET RECORDING METHOD	(72) YOO, Hyun Jee	(32) 15.09.2015
(73) Seiko Epson Corporation	KIM, Hyun Suk	13.09.2016
(72) NAKANO, Keitaro	MOON, Jung Ok	(33) United States of America
SANO, Tsuyoshi	YANG, Se Woo	United States of America
(31) 2017183551	(31) 20150017620	(51) C09K 8/86
(32) 25.09.2017	(32) 04.02.2015	E21B 43/04
(33) Japan	(33) Korea (Republic)	(11) EP2756161
(51) C09D 201/00	(51) C09K 5/04	(21) EP12832463.9
H01B 3/02	F17C 6/00	(47) 12.08.2020
H01B 3/30	F17C 13/00	(87) US2012055533
H01B 7/02	(11) EP2814898	21.03.2013
H01B 7/08	(21) EP13749224.5	(22) 14.09.2012
H01B 7/28	(47) 12.08.2020	(54) METHODS OF USING OLEAGINOUS FLUIDS FOR COMPLETION OPERATIONS
H01F 5/06	(87) US2013026036	(73) M-I LLC
H01F 27/32	22.08.2013	(72) PANAMARATHUPALAYAM, Balakrishnan
H02K 3/32	(22) 14.02.2013	ZHANG, Hui Joyce
H02K 3/40	(54) COMPOSITION OF ZEOTROPIC MIXTURES HAVING PREDEFINED TEMPERATURE GLIDE	GADIYAR, Balkrishna
(11) EP3217410	(73) United Technologies Corporation	FOXENBERG, William, E.
(21) EP17721314.7	(72) MAHMOUD, Ahmad M.	SVOBODA, Charles
(47) 12.08.2020	LEE, Jaeseon	PHATAK, Alhad
(87) KR2017002175	LUO, Dong	(31) 201161535312 P
06.07.2017	(31) 201213396102	201261635933 P
(22) 27.02.2017	(32) 14.02.2012	(32) 15.09.2011
(54) CORONA-RESISTANT FLAT WIRE	(33) United States of America	20.04.2012
(73) LS Cable & System Ltd.	(51) C09K 8/56	(33) United States of America
(72) LEE, Jae-Geon	C09K 8/62	United States of America
HONG, Young-Ho	C09K 8/80	(51) C09K 11/06
PARK, Jae-Min	(11) EP3071666	H01L 51/46
CHOI, Sin-Young	(21) EP14824525.1	(11) EP2975663
(31) 20160027872	(47) 12.08.2020	(21) EP14794994.5
(32) 08.03.2016	(87) IB2014002498	(47) 12.08.2020
(33) Korea (Republic)	21.05.2015	(87) KR2014003706
(51) C09J 7/00	(22) 18.11.2014	13.11.2014
C09J 7/21	(54) METHOD AND COMPOSITION FOR CONSOLIDATING SOLID MATERIALS DURING SUBTERRANEAN TREATMENT OPERATIONS	(22) 28.04.2014
(11) EP2864545	(73) The Lubrizol Corporation	(54) ORGANIC ELECTRONIC ELEMENT COMPRISING FULLERENE DERIVATIVE
(21) EP13796285.8	(72) SAINI, Rajesh K.	(73) LG Chem, Ltd.
(47) 12.08.2020	SMITH, Clayton S.	(72) BAE, Jaesoon
(87) US2013043235	HWANG, Chin-Chau	CHOI, Doo Whan
05.12.2013	VIGDERMAN, Leonid	LEE, Jaechol
(22) 30.05.2013	TREYBIG, Duane	LEE, Jiyoun
(54) MARKING TAPE, METHOD OF APPLYING AND METHOD OF MANUFACTURING THE MARKING TAPE	SMITH, Kern L	CHOI, Jeong Min
(73) 3M Innovative Properties Company	SAMUEL, Mathew M.	LEE, Hangken
(72) LE NORMAND, Jean	(31) 201361905340 P	KIM, Jinseck
BOEHME, Volker	201414308160	JANG, Songrim
JOST, Michael	(32) 18.11.2013	CHO, Keun
KOLOWROT, Dirk	18.06.2014	(31) 20130051540
HENNING, Sabine	(33) United States of America	(32) 07.05.2013
	United States of America	(33) Korea (Republic)

(51) C09K 11/06 H01L 51/50	(54) A RETORT AND CORRESPONDING OVEN WITH DUCTWORK	24.01.2008
(11) EP3192848	(73) Clean Fuels B.V.	(22) 06.07.2007
(21) EP14901634.7	(72) SIEMONS, Roland	(54) INTEGRATED PROCESS FOR THE PRODUCTION OF BIOFUELS FROM DIFFERENT TYPES OF STARTING MATERIALS AND RELATED PRODUCTS
(47) 12.08.2020	BAAIJENS, Louwerens	(73) De Angelis, Nazzareno
(87) KR2014009894	(31) 201261694277 P	(72) De Angelis, Nazzareno
17.03.2016	(32) 29.08.2012	(31) RM20060377
(22) 21.10.2014	(33) United States of America	(32) 19.07.2006
(54) ORGANIC LIGHT EMITTING DIODE	(51) C10G 1/00	(33) Italy
(73) LG Chem, Ltd.	C10G 1/08	(51) C10L 1/188
(72) HUH, Jungoh	C10G 3/00	C10L 1/222
LEE, Dong Hoon	(11) EP3421572	C10L 10/04
(31) 20140120944	(21) EP17178808.6	(11) EP3205705
(32) 12.09.2014	(47) 12.08.2020	(21) EP17159412.0
(33) Korea (Republic)	(22) 29.06.2017	(47) 12.08.2020
(51) C09K 11/08	(54) METHOD FOR INCREASING GASOLINE AND MIDDLE DISTILLATE SELECTIVITY IN CATALYTIC CRACKING	(22) 06.06.2014
C09K 11/77	(73) Neste Oyj	(54) ALKYLENE OXIDE AND HYDROCARBYL-SUBSTITUTED POLYCARBOXYLIC ACID QUATERNISED ALKYLAMINE AS ADDITIVES IN FUELS AND LUBRICANTS AND THEIR USE
H01L 33/50	(72) PAASIKALLIO, Ville	(73) BASF SE
(11) EP3521400	TOUKONIITTY, Blanka	(72) HANSCH, Markus
(21) EP18211103.9	PASANEN, Jukka-Pekka	BÖHNKE, Harald
(47) 12.08.2020	(51) C10G 1/06	GRABARSE, Wolfgang
(22) 07.12.2018	C10G 3/00	VÖLKE, Ludwig
(54) PHOSPHOR AND LIGHT-EMITTING APPARATUS	(11) EP3234070	PERETOLCHIN, Maxim
(73) Panasonic Intellectual Property Management Co., Ltd.	(21) EP15820516.1	(31) 13171057
(72) NITTA, Mitsuru	(47) 12.08.2020	14151379
NAGAO, Nobuaki	(87) EP2015080854	(32) 07.06.2013
INADA, Yasuhisa	23.06.2016	16.01.2014
(31) 2018015765	(22) 21.12.2015	(33) European Patent Office (EPO)
(32) 31.01.2018	(54) IMPROVED CONVERSION PROCESS OF ALGAE BIOMASS IN GAS OR BIO-CRUDE RESPECTIVELY BY HYDROTHERMAL GASIFICATION OR LIQUEFACTION	European Patent Office (EPO)
(33) Japan	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives	(51) C10M 163/00
(51) C09K 19/04	(72) TEXIER, Jonathan	(11) EP3092289
C09K 19/12	CASTELLI, Pierre	(21) EP15701084.4
C09K 19/14	ROUBAUD, Anne	(47) 12.08.2020
C09K 19/30	(31) 1463026	(87) US2015010793
C09K 19/32	(32) 19.12.2014	16.07.2015
C09K 19/34	(33) France	(22) 09.01.2015
C09K 19/38	(51) C10J 3/04	(54) METHOD OF LUBRICATING AN INTERNAL COMBUSTION ENGINE
C09K 19/42	C10J 3/72	(73) The Lubrizol Corporation
C09K 19/44	F23G 5/027	(72) GALIC RAGUZ, Mary
C09K 19/54	F23G 5/38	LOOP, John G.
G02F 1/13	(11) EP2855640	(31) 201461925678 P
(11) EP3323873	(21) EP13740373.9	(32) 10.01.2014
(21) EP16824261.8	(47) 12.08.2020	(33) United States of America
(47) 12.08.2020	(87) IS2013050005	(51) C10M 169/00
(87) JP2016069191	05.12.2013	(11) EP3212747
19.01.2017	(22) 31.05.2013	(21) EP15791267.6
(22) 29.06.2016	(54) ADVANCED SEQUENTIAL BATCH GASIFICATION PROCESS	(47) 12.08.2020
(54) LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY DEVICE	(73) Petursdottir, Lilja	(87) EP2015075237
(73) JNC Corporation	(72) EINARSSON, Fridfinnur	06.05.2016
JNC Petrochemical Corporation	(31) 9000	(22) 30.10.2015
(72) KURIHARA Eriko	(32) 31.05.2012	(54) GREASE COMPOSITIONS
SAITO Masayuki	(33) Iceland	(73) Aktiebolaget SKF
(31) 2015141211	(51) C10L 1/08	(72) FIDDELAERS, Frank
(32) 15.07.2015	C11B 7/00	IOANNIDES, Eustathios
(33) Japan	C11C 3/00	(31) 201419437
(51) C10B 7/14	(11) EP2041252	(32) 31.10.2014
C10B 51/00	(21) EP07805702.3	(33) United Kingdom
C10B 53/02	(47) 12.08.2020	(51) C10M 169/04
(11) EP2890764	(87) IT2007000490	C10M 171/00
(21) EP13770980.4		
(47) 12.08.2020		
(87) NL2013050619		
06.03.2014		
(22) 27.08.2013		

C10N 10/04	(72) MERTENS, Pascal	(72) SEKINE, Hironobu
C10N 30/00	(31) 201412212	HIRAI, Hiroki
C10N 40/25	(32) 09.07.2014	KOBAYASHI, Koichi
(11) EP3415589	(33) United Kingdom	NASU, Hiroshi
(21) EP18185052.0	(51) C12M 1/00	(31) 2015255817
(47) 12.08.2020	C12M 1/107	(32) 28.12.2015
(22) 29.04.2015	C12M 1/26	(33) Japan
(54) LUBRICATING OIL COMPOSITIONS	C12M 1/34	(51) C12M 1/12
(73) Infineum International Limited	(11) EP2905328	C12M 1/34
(72) RITCHIE, Andrew	(21) EP14460133.3	C12Q 1/04
BOESE, Doyle Harold	(47) 12.08.2020	(11) EP3301172
GUTIERREZ, Jose	(22) 23.12.2014	(21) EP17201898.8
(31) 201414264154	(54) METHOD AND SYSTEM FOR	(47) 12.08.2020
(32) 29.04.2014	PROCESSING ORGANIC MATTER BY	(22) 27.11.2015
(33) United States of America	ANAEROBIC DIGESTION	(54) CONTAINER FOR DETERMINING
(51) C11D 1/12	(73) SYGMA Sp. z o.o.	WHETHER OR NOT TEST SAMPLE
C11D 3/50	Lukaszewicz, Marcin Ziemowit	CONTAINS PHYTOPATHOGENIC
C11D 17/00	Sygit, Maciej	OOMYCETE
(11) EP3360951	(72) Lukaszewicz, Marcin Ziemowit	(73) Panasonic Intellectual Property
(21) EP17155182.3	Sygit, Maciej	Management Co., Ltd.
(47) 12.08.2020	(31) 40670513	(72) URIU, Yoshitsugu
(22) 08.02.2017	(32) 24.12.2013	(31) 2015153028
(54) COMPOSITION COMPRISING	(33) Poland	2015155734
PERFUMED OIL AND ENCAPSULATED	(51) C12M 1/00	(32) 03.08.2015
PERFUMES	C12M 1/34	06.08.2015
(73) Henkel AG & Co. KGaA	C12M 3/00	(33) Japan
BASF SE	G01N 15/06	Japan
(72) BAUER, Andreas	G01N 15/10	(51) C12M 1/40
HÄTZELT, André	G01N 15/14	C12N 1/15
HUCHEL, Ursula	G01N 21/84	C12N 1/19
STRAUB, Erik	G06K 9/00	C12N 1/21
URLICHS, Stefan	H04M 1/02	C12N 5/10
MATERNE, Manuela	G06T 7/00	C12N 9/04
TROPSCH, Jürgen	(11) EP3080590	C12N 15/09
ETTL, Roland	(21) EP14869007.6	C12Q 1/32
(51) C11D 3/10	(47) 12.08.2020	C12Q 1/54
C11D 3/39	(87) IB2014066716	(11) EP3112461
C11D 7/54	18.06.2015	(21) EP15754649.0
C11D 17/04	(22) 09.12.2014	(47) 12.08.2020
(11) EP3194551	(54) HOME TESTING DEVICE	(87) JP2015053889
(21) EP15771063.3	(73) G.M.S. GLOBAL MOBILE SOLUTIONS	03.09.2015
(47) 12.08.2020	LTD.	(22) 13.02.2015
(87) EP2015071442	(72) BEN SHOSHAN, Assaf	(54) FLAVIN-BINDING GLUCOSE
24.03.2016	STRONGIN, Vitaly	DEHYDROGENASE HAVING
(22) 18.09.2015	SHRIKI, Lior	IMPROVED SPECIFIC ACTIVITY
(54) SOLID COMPOSITION FOR TEXTILE	DEUTSCH, Marcia	(73) Kikkoman Corporation
TREATMENT	(31) 201361914980 P	(72) ARAKI, Yasuko
(73) Henkel AG & Co. KGaA	(32) 12.12.2013	(31) 2014037737
(72) SUNDER, Matthias	(33) United States of America	(32) 28.02.2014
BÜTH, Patrick	(51) C12M 1/00	(33) Japan
EDWARDS, Sheila	C12M 3/00	(51) C12M 3/00
MEIER, Frank	G01N 1/02	C12N 5/00
(31) 102014218950	G01N 1/22	G01N 33/574
(32) 19.09.2014	G01N 1/24	(11) EP3455633
(33) Germany	G01N 1/28	(21) EP17727302.6
(51) C12C 3/08	G01N 1/44	(47) 12.08.2020
C12C 7/20	G01N 15/00	(87) FR2017051149
(11) EP3167041	G01N 15/06	16.11.2017
(21) EP15735954.8	(11) EP3372984	(22) 11.05.2017
(47) 12.08.2020	(21) EP16881643.7	(54) METHOD FOR DIAGNOSING
(87) EP2015065693	(47) 12.08.2020	GENITOURINARY CANCERS
14.01.2016	(87) JP2016087518	(73) Université Grenoble Alpes
(22) 09.07.2015	06.07.2017	Commissariat à l'Énergie Atomique et
(54) PROCESS FOR BEER BREWING	(22) 16.12.2016	aux Énergies Alternatives
WITH ADDITION OF ALKALI METAL	(54) GAS-BORNE FINE PARTICLE	(72) MARTIN, Donald, Keith
HUMULATES AND ALKALI METAL	MEASURING INSTRUMENT AND	PICOLLET-D'HAHAN, Nathalie
LUPULATES TO THE WORT	CLEAN ENVIRONMENTAL DEVICE	(31) 1654215
(73) Ifast NV	(73) PHC Holdings Corporation	(32) 11.05.2016

(33) France	(47) 12.08.2020	(47) 12.08.2020
(51) C12M 3/00	(22) 03.02.2010	(22) 11.09.2013
G01N 15/10	(54) CULTURE MEDIUM FOR EPITHELIAL	(54) CONSUMABLE CRYOPRESERVED
G01N 15/14	STEM CELLS AND ORGANIDS	CELLS TRANSIENTLY
G01N 35/08	COMPRISSING SAID STEM CELLS	OVEREXPRESSING GENE(S)
(11) EP2432869	(73) Koninklijke Nederlandse Akademie van	ENCODING DRUG TRANSPORTER
(21) EP10778454.8	Wetenschappen	PROTEIN(S) AND/OR DRUG
(47) 12.08.2020	(72) SATO, Toshiro	METABOLIZING ENZYME(S)
(87) US2010035740	CLEVERS, Johannes, Carolus	(73) Corning Incorporated
25.11.2010	HUCH ORTEGA, Meritxell	(72) LI, Na
(22) 21.05.2010	(31) 09151970	WANG, Jie
(54) SYSTEM AND METHOD FOR	149622 P	PATTEN, Christopher J.
SEPARATING SAMPLES IN A	09171831	(31) 201261699466 P
CONTINUOUS FLOW	(32) 03.02.2009	(32) 11.09.2012
(73) Essen Instruments, Inc. d/b/a Essen	03.02.2009	(33) United States of America
BioScience, Inc.	30.09.2009	(51) C12N 15/00
(72) TRINKLE, Linda	(33) European Patent Office (EPO)	(11) EP3456821
DUENSING, Thomas	United States of America	(21) EP17191829.5
(31) 180378 P	European Patent Office (EPO)	(47) 12.08.2020
(32) 21.05.2009	(51) C12N 5/073	(22) 19.09.2017
(33) United States of America	C12N 5/076	(54) NON-INTEGRATING DNA VECTORS
(51) C12N 1/20	(11) EP3341473	FOR THE GENETIC MODIFICATION OF
C12Q 1/04	(21) EP16754533.4	CELLS
C12Q 1/26	(47) 12.08.2020	(73) Deutsches Krebsforschungszentrum
(11) EP3143122	(87) EP2016070005	(72) HARBOTTLE, Richard
(21) EP15724484.9	02.03.2017	BOZZA, Matthias
(47) 12.08.2020	(22) 24.08.2016	WILLIAMS, James A.
(87) US2015030491	(54) CULTURE MEDIUM	(51) C12N 15/10
19.11.2015	(73) Vitrolife Sweden AB	(11) EP3352795
(22) 13.05.2015	(72) TRUONG, Thi	(21) EP16849432.6
(54) SYSTEM AND METHOD FOR	GARDNER, David	(47) 12.08.2020
LIQUID CULTURE OF ANAEROBIC	(31) 201515015	(87) US2016052690
OR MICROAEROPHILIC	201603407	30.03.2017
MICROORGANISMS	201607414	(22) 20.09.2016
(73) 3M Innovative Properties Company	(32) 24.08.2015	(54) COMPOSITIONS AND METHODS
(72) BJORK, Jason W.	26.02.2016	FOR TARGET NUCLEIC ACID
STANENAS, Adam J.	28.04.2016	MODIFICATION
XIA, Wensheng	(33) United Kingdom	(73) The Regents of the University of
(31) 201461994153 P	United Kingdom	California
(32) 16.05.2014	United Kingdom	(72) MURTHY, Niren
(33) United States of America	(51) C12N 5/0735	LEE, Kunwoo
(51) C12N 5/00	C12N 5/074	CONBOY, Irina M.
G01N 33/50	(11) EP2989199	CONBOY, Michael J.
(11) EP3351935	(21) EP14727237.1	(31) 201562221505 P
(21) EP17210576.9	(47) 12.08.2020	201562245808 P
(47) 12.08.2020	(87) IB2014060954	(32) 21.09.2015
(22) 23.05.2013	30.10.2014	23.10.2015
(54) PROCESS FOR MULTI-ANALYSES	(22) 23.04.2014	(33) United States of America
OF RARE CELLS EXTRACTED OR	(54) ISOLATED NAIVE PLURIPOTENT	United States of America
ISOLATED FROM BIOLOGICAL	STEM CELLS AND METHODS OF	(51) C12N 15/10
SAMPLES THROUGH FILTRATION	GENERATING SAME	(11) EP3395957
(73) Assistance Publique-Hôpitaux de Paris	(73) Yeda Research and Development Co.,	(21) EP18175708.9
Institut National de la Santé et de la	Ltd.	(47) 12.08.2020
Recherche Médicale (INSERM)	(72) HANNA, Yaqub	(22) 25.04.2012
Université de Paris	NOVERSHTERN, Noa	(54) METHODS AND COMPOSITIONS FOR
Rarecells	RAIS, Yoach	NUCLEIC ACID ANALYSIS
Université Côte d'Azur	(31) 201361814920 P	(73) Bio-Rad Laboratories, Inc.
Centre Hospitalier Universitaire de Nice	201361878769 P	(72) SAXONOV, Serge
(72) LAGET, Sophie	201461932935 P	(31) 201161478777 P
PATERLINI-BRECHOT, Patrizia	(32) 23.04.2013	(32) 25.04.2011
HOFMAN, Paul	17.09.2013	(33) United States of America
CAPIOD, Thierry	29.01.2014	(51) C12N 15/62
(31) 201261651437 P	(33) United States of America	C12N 15/82
(32) 24.05.2012	United States of America	C12P 21/00
(33) United States of America	United States of America	A01H 5/00
(51) C12N 5/071	(51) C12N 5/10	(11) EP3221455
(11) EP3061808	(11) EP3461888	(21) EP15812892.6
(21) EP16151949.1	(21) EP18207334.6	(47) 12.08.2020

(87) IL2015051112 26.05.2016	(87) JP2014078157 07.05.2015	(47) 12.08.2020
(22) 19.11.2015	(22) 16.10.2014	(87) CA2015050269 08.10.2015
(54) COMPOSITIONS AND METHODS FOR PRODUCING POLYPEPTIDES WITH A MODIFIED GLYCOSYLATION PATTERN IN PLANT CELLS	(54) A METHOD FOR PRODUCING AN L- AMINO ACID USING A BACTERIUM OF THE FAMILY ENTEROBACTERIACEAE HAVING A DISRUPTED PUTRESCINE DEGRADATION PATHWAY	(22) 02.04.2015
(73) Yissum Research and Development Company of the Hebrew University of Jerusalem Ltd.	(73) Ajinomoto Co., Inc.	(54) STERIC-HINDRANCE HYBRIDIZATION SYSTEMS, ASSAYS AND METHODS ASSOCIATED THERETO
(72) SHOSEYOV, Oded MAGRISSO, Helena ZVIRIN, Tzvi YAARI, Amit	(72) GUSYATINER, Mikhail Markovich ROSTOVA, Yulia Georgievna KIRYUKHIN, Mikhail Yurievich ROMKINA, Anastasia Yurienva	(73) Valorisation-Recherche, Limited Partnership
(31) 201462082204 P	(31) 2013147882	(72) VALLÉE-BÉLISLE, Alexis MAHSHID, Sahar Sadat
(32) 20.11.2014	(32) 28.10.2013	(31) 201461975231 P
(33) United States of America	(33) Russian Federation	(32) 04.04.2014
(51) C12N 15/67	(51) C12Q 1/00	(33) United States of America
C12N 15/82	G01N 33/487	(51) C12Q 1/6886
(11) EP3408394	(11) EP1869203	(11) EP2971113
(21) EP17704681.0	(21) EP06749468.2	(21) EP14747411.8
(47) 12.08.2020	(47) 12.08.2020	(47) 12.08.2020
(87) EP2017051723 03.08.2017	(87) US2006012940 19.10.2006	(87) IB2014001253 18.09.2014
(22) 27.01.2017	(22) 07.04.2006	(22) 14.03.2014
(54) MULTIGENE EXPRESSION IN MICROALGAE	(54) SERIES OF CONTROL SOLUTIONS FOR BIOSENSORS COMPRISING AN OXIDIZABLE SPECIES AS AN INTERNAL REFERENCE	(54) METHOD FOR THE PROGNOSIS AND TREATMENT OF CANCER METASTASIS
(73) Total Raffinage Chimie	(73) Ascensia Diabetes Care Holdings AG	(73) Fundació Institut de Recerca Biomèdica (IRB Barcelona) Institutió Catalana de Recerca i Estudis Avançats
(72) COLLIN, Séverine FOURAGE, Laurent LAEUFFER, Frédéric BEDHOMME, Mariette MAGNESCHI, Leonardo FINAZZI, Giovanni MARECHAL, Eric	(72) Beer, Greg P. Wu, Huan-Ping	(72) GOMIS, Roger PLANET, Evarist PAVLOVIC, Milica ARNAL, Anna TARRAGONA, Maria
(31) 16152953	(31) 669729 P	(31) 201361801718 P
(32) 27.01.2016	(32) 08.04.2005	(32) 15.03.2013
(33) European Patent Office (EPO)	(33) United States of America	(33) United States of America
(51) C12N 15/90	(51) C12Q 1/68	(51) C12R 1/885
G06N 3/12	(11) EP3478852	A01N 63/30
C12Q 1/6869	(21) EP17735689.6	(11) EP3485045
C12Q 1/6897	(47) 12.08.2020	(21) EP17742954.5
G06F 9/448	(47) 12.08.2020	(47) 12.08.2020
(11) EP3478835	(87) US2017037731 04.01.2018	(87) EP2017066571 18.01.2018
(21) EP17740531.3	(22) 15.06.2017	(22) 04.07.2017
(47) 12.08.2020	(54) STORAGE THROUGH ITERATIVE DNA EDITING	(54) SUPERIOR ANTAGONISTIC TRICHODERMA SPECIES FOR PRESERVING PLANT MATERIAL AND WOOD PRODUCTS
(87) US2017039976 04.01.2018	(73) Microsoft Technology Licensing, LLC	(73) EMPA Eidgenössische Materialprüfungs- und Forschungsanstalt
(22) 29.06.2017	(72) GANJAM, Kris K.	(72) SCHWARZE, Francis RIBERA-REGAL, Javier
(54) MOLECULAR STATE MACHINES	(31) 201662357828 P 201662399190 P	(31) 16179168
(73) Microsoft Technology Licensing, LLC	(32) 01.07.2016 23.09.2016	(32) 13.07.2016
(72) GANJAM, Kris K.	(33) United States of America United States of America	(33) European Patent Office (EPO)
(31) 201662357828 P 201662399190 P 201762487671 P 201715626020	(51) C12Q 1/6825	(51) C21D 1/02
(32) 01.07.2016	(11) EP3425064	C21D 1/56
23.09.2016	(21) EP18180351.1	C21D 1/60
20.04.2017	(47) 12.08.2020	C21D 1/84
16.06.2017	(22) 28.06.2018	C21D 6/00
(33) United States of America	(54) METHOD AND ELECTRONIC DEVICE FOR DETERMINING THE CONCENTRATION OF AN ANALYTE	C21D 7/13
United States of America	(73) Numen Sensorics ApS	C21D 8/02
United States of America	(72) FERAPONTOVA, Elena	C21D 9/46
United States of America	(31) 17179278	C22C 38/02
(51) C12P 13/10	(32) 03.07.2017	C22C 38/04
(11) EP3063284	(33) European Patent Office (EPO)	C22C 38/06
(21) EP14795877.1	(51) C12Q 1/6825	C22C 38/08
(47) 12.08.2020	C12Q 1/6827	C22C 38/12
	(11) EP3126526	
	(21) EP15773392.4	



C22C 38/14	(73) Sikorsky Aircraft Corporation	(54) STEEL SHEET AND METHOD OF
C22C 38/16	(72) HANSEN, Bruce D.	PRODUCING THE SAME
C22C 38/18	(31) 201562111933 P	(73) JFE Steel Corporation
C22C 38/20	(32) 04.02.2015	(72) YOSHIOKA Shimpei
C22C 38/26	(33) United States of America	ONO Yoshihiko
C22C 38/28	(51) C21D 1/18	HIDAKA Kenta
C22C 38/32	C21D 1/22	YAMAGUCHI Ryosuke
(11) EP3395985	C21D 6/00	(31) 2016189895
(21) EP16877589.8	C21D 8/02	(32) 28.09.2016
(47) 12.08.2020	C21D 9/46	(33) Japan
(87) CN2016109024	C22C 38/00	(51) C21D 1/20
29.06.2017	C22C 38/02	C21D 9/36
(22) 08.12.2016	C22C 38/04	C21D 9/40
(54) THICK STEEL PLATE FOR HIGH HEAT	C22C 38/06	C22C 38/22
INPUT WELDING AND HAVING GREAT	C22C 38/14	C23C 8/32
HEAT-AFFECTED AREA TOUGHNESS	C22C 38/22	F16C 33/32
AND MANUFACTURING METHOD	C22C 38/26	F16C 33/64
THEREFOR	C22C 38/28	(11) EP2714944
(73) Baoshan Iron & Steel Co., Ltd.	C22C 38/32	(21) EP12790088.4
(72) YANG, Jian	C22C 38/38	(47) 12.08.2020
GAO, Shan	C23C 2/02	(87) SE2012000079
MA, Zhigang	C23C 2/06	29.11.2012
WANG, Ruizhi	C23C 2/28	(22) 22.05.2012
ZHANG, Caiyi	(11) EP3292228	(54) METHOD FOR HEAT TREATING A
WANG, Junkai	(21) EP16723293.3	STEEL COMPONENT
XU, Guodong	(47) 12.08.2020	(73) Aktiebolaget SKF
WANG, Yunan	(87) EP2016059960	(72) LUND, Thore
(31) 201510974660	10.11.2016	MEYER, Tobias
(32) 22.12.2015	(22) 04.05.2016	LARSSON, Staffan
(33) China	(54) FLAT STEEL PRODUCT AND	NEUMANN, Peter
(51) C21D 1/06	METHODE FOR PRODUCTION OF	(31) 1100418
C21D 1/74	SAID PRODUCT	(32) 25.05.2011
C21D 1/76	(73) ThyssenKrupp Steel Europe AG	(33) Sweden
C21D 3/08	thyssenkrupp AG	(51) C21D 6/00
C23C 8/26	(72) THIESSEN, Richard G.	C21D 8/02
(11) EP3322833	HELLER, Thomas	C21D 9/46
(21) EP16733080.2	MACHALITZA, Karsten	C22C 38/00
(47) 12.08.2020	SEBALD, Roland	C22C 38/02
(87) EP2016065124	(31) PCT/EP2015/059968	C22C 38/04
19.01.2017	(32) 06.05.2015	C22C 38/06
(22) 29.06.2016	(33) World Intellectual Property Office (WIPO)	C22C 38/08
(54) METHOD FOR NITRIDING A	(51) C21D 1/18	C22C 38/12
COMPONENT	C21D 8/02	C22C 38/14
(73) Robert Bosch GmbH	C21D 9/46	C22C 38/16
(72) FOERSTER, Lothar	C22C 38/00	C22C 38/22
KRUG, Thomas	C22C 38/02	C22C 38/28
SCHWARZER, Jochen	C22C 38/04	C22C 38/38
HANSEL, Marcus	C22C 38/06	C23C 2/02
WALDENMAIER, Thomas	C22C 38/08	C23C 2/06
(31) 102015213068	C22C 38/12	C23C 2/26
(32) 13.07.2015	C22C 38/14	C23C 2/28
(33) Germany	C22C 38/16	C23C 2/40
(51) C21D 1/06	C22C 38/18	(11) EP3378965
C21D 7/06	C22C 38/22	(21) EP16891486.9
C21D 9/32	C22C 38/26	(47) 12.08.2020
C23C 8/20	C22C 38/28	(87) JP2016055635
C23C 8/22	C22C 38/58	31.08.2017
C23C 8/80	C22C 38/60	(22) 25.02.2016
F16H 55/06	C23C 2/02	(54) HIGH-STRENGTH HOT-DIP
F16H 55/17	C23C 2/06	GALVANIZED STEEL SHEET
(11) EP3253900	C23C 2/28	EXCELLENT IN IMPACT PEELING
(21) EP16746975.8	C23C 2/40	RESISTANCE AND WORKED PORTION
(47) 12.08.2020	(11) EP3486346	CORROSION RESISTANCE
(87) US2016014834	(21) EP17856330.0	(73) Nippon Steel Corporation
11.08.2016	(47) 12.08.2020	(72) YASUI, Takeshi
(22) 26.01.2016	(87) JP2017035200	KAWATA, Hiroyuki
(54) METHODS AND PROCESSES OF	05.04.2018	YAMAGUCHI, Yuji
FORMING GEARS	(22) 28.09.2017	KOMAMI, Ryosuke

UCHIDA, Satoshi	(21) EP18000092.9	(32) 01.09.2014
MURASATO, Akinobu	(47) 12.08.2020	(33) Germany
(51) C21D 8/12	(22) 02.02.2018	(51) C23C 2/06
C21D 9/46	(54) SLIDING ELEMENT MADE OF A	C23C 2/20
C23C 22/00	COPPER ALLOY	C23C 2/28
C23C 22/33	(73) Wieland-Werke AG	C23C 2/40
H01F 1/16	(72) Kuhn, Hans-Achim	(11) EP2238273
H01F 1/18	Seeger, Joerg	(21) EP09708502.1
(11) EP3354768	(31) 102017001846	(47) 12.08.2020
(21) EP16848326.1	(32) 25.02.2017	(87) AU2009000145
(47) 12.08.2020	(33) Germany	13.08.2009
(87) JP2016004311	(51) C22C 14/00	(22) 06.02.2009
30.03.2017	C22C 27/02	(54) METAL-COATED STEEL STRIP
(22) 21.09.2016	G04B 17/06	(73) Bluescope Steel Limited
(54) GRAIN-ORIENTED ELECTRICAL	(11) EP3502785	(72) SCOTT, Robert Ian
STEEL SHEET AND MANUFACTURING	(21) EP17209682.8	WILLIAMS, Joe
METHOD THEREFOR	(47) 12.08.2020	SMITH, Ross McDowall
(73) JFE Steel Corporation	(22) 21.12.2017	(31) 2008900574
(72) WATANABE, Makoto	(54) HAIRSPRING FOR CLOCK MOVEMENT	(32) 07.02.2008
TAKAMIYA, Toshito	AND METHOD FOR MANUFACTURING	(33) Australia
SUEHIRO, Ryuichi	SAME	(51) C23C 4/12
TERASHIMA, Takashi	(73) Nivarox-FAR S.A.	C23C 4/134
(31) 2015188671	(72) CHARBON, Christian	C23C 4/137
(32) 25.09.2015	(51) C22C 21/06	(11) EP2427585
(33) Japan	C22C 21/12	(21) EP10717174.6
(51) C22B 1/16	C22C 21/14	(47) 12.08.2020
C22B 1/243	C22C 21/16	(87) EP2010056276
C22B 5/04	C22F 1/04	11.11.2010
C22B 5/16	C22F 1/047	(22) 07.05.2010
C22B 26/22	C22F 1/057	(54) Method for coating a substrate
(11) EP3173497	(11) EP3359701	(73) Oerlikon Metco AG, Wohlen
(21) EP14898095.6	(21) EP17711932.8	(72) DAMANI, Rajiv, J.
(47) 12.08.2020	(47) 12.08.2020	GINDRAT, Malko
(87) CN2014085224	(87) US2017020635	(31) 09159805
28.01.2016	30.11.2017	(32) 08.05.2009
(22) 26.08.2014	(22) 03.03.2017	(33) European Patent Office (EPO)
(54) METHOD FOR SMELTING	(54) HIGH STRENGTH AND CORROSION	(51) C23C 14/24
MAGNESIUM QUICKLY AND	RESISTANT ALLOY FOR USE IN	H01J 37/32
CONTINUOUSLY	HVAC&R SYSTEMS	H01L 21/203
(73) Northeastern University	(73) Novelis, Inc.	H01L 21/304
(72) ZHANG, Ting'an	(72) KADALI, Jyothi	H05H 1/30
DOU, Zhihe	SIMIELLI, Eider Alberto	H05H 1/46
ZHANG, Zimu	GATENBY, Kevin Michael	(11) EP3113583
LIU, Yan	(31) 201662342723 P	(21) EP15752360.6
LV, Guozhi	(32) 27.05.2016	(47) 12.08.2020
HE, Jicheng	(33) United States of America	(87) JP2015000864
(31) 201410345802	(51) C22C 38/18	27.08.2015
(32) 21.07.2014	C22C 38/22	(22) 23.02.2015
(33) China	C22C 38/24	(54) RADICAL SOURCE AND MOLECULAR
(51) C22C 9/04	(11) EP3189172	BEAM EPITAXY DEVICE
(11) EP3320122	(21) EP15756862.7	(73) National University Corporation Nagoya
(21) EP16736855.4	(47) 12.08.2020	University
(47) 12.08.2020	(87) EP2015068723	NU-Rei Co., Ltd.
(87) EP2016066143	10.03.2016	(72) HORI, Masaru
19.01.2017	(22) 14.08.2015	ODA, Osamu
(22) 07.07.2016	(54) HIGH-STRENGTH, CORROSION-	KANO, Hiroyuki
(54) BRASS ALLOY	RESISTANT SHAPED ARTICLES	(31) 2014033099
(73) Aurubis Stolberg GmbH & Co. KG	ABSORBING MECHANICAL ENERGY	(32) 24.02.2014
(72) ZEIGER, Karl	AND MADE OF IRON ALLOYS, AND	(33) Japan
CAPPI, Benjamin	METHOD FOR MANUFACTURING	(51) C23C 22/77
LEHMANN, Helge	SAME	G01N 25/72
LULINSKI, Daniel	(73) Leibniz-Institut für Festkörper- und	(11) EP3314036
(31) 102015212937	Werkstofforschung Dresden	(21) EP16738686.1
(32) 10.07.2015	(72) ZEISIG, Josephine	(47) 12.08.2020
(33) Germany	HUFENBACH, Julia	(87) EP2016064614
(51) C22C 9/06	KÜHN, Uta	29.12.2016
F16C 33/12	ECKERT, Jürgen	(22) 23.06.2016
(11) EP3366793	(31) 102014217369	

- (54) METHOD FOR COATING A SURFACE OF A METAL STRIP AND A METAL STRIP-COATING DEVICE  
(73) ThyssenKrupp Steel Europe AG  
thyssenkrupp AG  
(72) MÖLLER, Thomas  
NEERFRIES, Arno  
ROGNER, Ingo  
(31) 102015211853  
(32) 25.06.2015  
(33) Germany
- 
- (51) C23C 26/02  
B23K 26/14  
B23K 26/34  
(11) EP2855078  
(21) EP12723217.1  
(47) 12.08.2020  
(87) EP2012059895  
28.11.2013  
(22) 25.05.2012
- (54) MULTI-WIRE FEEDER METHOD FOR ALLOY SAMPLE FORMATION AND ADDITIVE MANUFACTURING  
(73) European Space Agency  
(72) VOICE, Wayne, Eric  
JARVIS, David, John  
ADKINS, Nicholas, John, Elsworth
- 
- (51) C25B 1/00  
C25B 3/04  
C25B 9/10  
C25B 11/03  
C25B 11/04  
C25B 13/08  
(11) EP3414363  
(21) EP17725540.3  
(47) 12.08.2020  
(87) EP2017061185  
07.12.2017  
(22) 10.05.2017
- (54) METHOD AND DEVICE FOR THE ELECTROCHEMICAL UTILIZATION OF CARBON DIOXIDE  
(73) Siemens Aktiengesellschaft  
(72) LANDES, Harald  
FERNÁNDEZ SANCHIS, Elvira María  
HANEUTH, Marc  
(31) 102016209447  
(32) 31.05.2016  
(33) Germany
- 
- (51) C25B 1/10  
C25B 9/08  
C25B 9/10  
C25B 11/03  
C25B 11/04  
H01M 4/86  
H01M 4/88  
(11) EP3514871  
(21) EP19152189.7  
(47) 12.08.2020  
(22) 16.01.2019
- (54) DEVICE FOR ELECTROLYSIS OF WATER FOR HOMOGENISING CURRENT DENSITY  
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives  
(72) VERDIN, Baptiste  
FOUDA-ONANA, Frédéric  
(31) 1850509
- (32) 23.01.2018  
(33) France
- 
- (51) C25B 1/10  
C25B 13/02  
C25B 13/08  
(11) EP3312306  
(21) EP16811182.1  
(47) 12.08.2020  
(87) JP2016002378  
22.12.2016  
(22) 16.05.2016
- (54) DIAPHRAGM FOR ALKALINE WATER ELECTROLYSIS, AND METHOD FOR MANUFACTURING SAME  
(73) Kawasaki Jukogyo Kabushiki Kaisha  
De Nora Permelec Ltd  
ThyssenKrupp Uhde Chlorine Engineers (Japan) Ltd.  
(72) ITO, Takafumi  
SHIMOMURA, Ikuo  
KAMEI, Yuji  
MANABE, Akiyoshi  
KATO, Akihiro  
HASHIMOTO, Terumi  
(31) 2015121129  
(32) 16.06.2015  
(33) Japan
- 
- (51) C25D 3/06  
C25D 3/08  
C25D 5/00  
C25D 19/00  
C25D 21/18  
(11) EP2943601  
(21) EP14738112.3  
(47) 12.08.2020  
(87) US2014011108  
17.07.2014  
(22) 10.01.2014
- (54) APPARATUS AND METHOD OF MAINTAINING TRIVALENT CHROMIUM BATH PLATING EFFICIENCY  
(73) Coventya Inc.  
(72) BOKISA, George  
(31) 201361750974 P  
(32) 10.01.2013  
(33) United States of America
- 
- (51) D01D 5/00  
D01D 5/16  
(11) EP3047057  
(21) EP14772195.5  
(47) 12.08.2020  
(87) GB2014052834  
26.03.2015  
(22) 18.09.2014
- (54) ELECTROSPUN FILAMENTS  
(73) Oxford University Innovation Limited  
(72) MOUTHUY, Pierre-Alexis  
(31) 201316577  
(32) 18.09.2013  
(33) United Kingdom
- 
- (51) D01F 9/32  
(11) EP2986764  
(21) EP14712320.2  
(47) 12.08.2020  
(87) EP2014056072  
23.10.2014  
(22) 26.03.2014
- (54) METHOD AND DEVICE FOR PRODUCING UNIDIRECTIONAL CARBON FIBRE CLOTH  
(73) Bayerische Motoren Werke Aktiengesellschaft  
(72) PFITZER, Hanno  
BECHTOLD, Michael  
MAIDL, Franz  
(31) 102013206983  
(32) 18.04.2013  
(33) Germany
- 
- (51) D01H 1/16  
D01H 7/56  
(11) EP3303665  
(21) EP16736616.0  
(47) 12.08.2020  
(87) IB2016053069  
01.12.2016  
(22) 25.05.2016
- (54) TWISTING AND WINDING DEVICE FOR TWISTING AND WINDING A THREAD ON A SPINDLE  
(73) Cogne Macchine Tessili S.R.L.  
(72) CAMELLI, Marco  
ROTONDI, Etlés  
NOBILI, Manlio  
APONI, Roberto  
(31) UB20151069  
(32) 26.05.2015  
(33) Italy
- 
- (51) D01H 15/013  
(11) EP3290550  
(21) EP17187783.0  
(47) 12.08.2020  
(22) 24.08.2017
- (54) MAINTENANCE DEVICE FOR THE MAINTENANCE OF THE WORK STATIONS OF A TEXTILE MACHINE AND TEXTILE MACHINE  
(73) Maschinenfabrik Rieter AG  
(72) STEPHAN, Adalbert  
(31) 102016116006  
(32) 29.08.2016  
(33) Germany
- 
- (51) D04H 1/492  
D04H 1/495  
D04H 3/007  
D04H 3/11  
D04H 5/03  
(11) EP3058127  
(21) EP14808815.6  
(47) 12.08.2020  
(87) DE2014100363  
23.04.2015  
(22) 15.10.2014
- (54) VOLUMINOUS NONWOVEN COMPOSITE AND METHOD FOR PRODUCING SAME  
(73) Mondi Ascania GmbH  
(72) STEINER, Ulrich  
FAHMY, Tarek  
FLECK, Marko  
(31) 102013111499  
(32) 18.10.2013  
(33) Germany
- 
- (51) D04H 1/60  
E04B 1/76  
D04H 1/4209

D04H 1/64	D06F 37/30	JOHANSSON, John
C03C 25/32	(11) EP2514864	(51) D06F 39/08
(11) EP3341337	(21) EP11756515.0	D06F 39/10
(21) EP16762740.5	(47) 12.08.2020	(11) EP3211130
(47) 12.08.2020	(87) KR2011001599	(21) EP17155435.5
(87) EP2016069831	22.09.2011	(47) 12.08.2020
09.03.2017	(22) 08.03.2011	(22) 09.02.2017
(22) 22.08.2016	(54) LAUNDRY MACHINE AND METHOD	(54) FILTER COVER, FILTER INSERT AND
(54) MINERAL WOOL PRODUCT	FOR CONTROLLING SAME	WASHING MACHINE
(73) Rockwool International A/S	(73) LG Electronics Inc.	(73) Miele & Cie. KG
(72) NISSEN, Povl	(72) LEE, Dong Soo	(72) Dohmen, Anja
HJELMGAARD, Thomas	KIM, Chang Oh	Rottmann, Andrea
(31) 15183051	(31) 20100022705	(31) 102016103335
(32) 28.08.2015	20100022706	(32) 25.02.2016
(33) European Patent Office (EPO)	(32) 15.03.2010	(33) Germany
(51) D04H 18/04	15.03.2010	(51) D06F 58/10
(11) EP3526385	(33) Korea (Republic)	D06F 58/38
(21) EP17768061.8	Korea (Republic)	D06F 58/46
(47) 12.08.2020	(51) D06F 35/00	D06F 103/08
(87) EP2017072580	D06F 33/00	D06F 103/38
19.04.2018	D06F 34/28	D06F 105/52
(22) 08.09.2017	(11) EP3489404	D06F 105/56
(54) JET MANIFOLD FOR WATER JET	(21) EP18206699.3	(11) EP3315653
PROCESSING FIBERS	(47) 12.08.2020	(21) EP17197273.0
(73) Trützschler GmbH & Co. KG	(22) 16.11.2018	(47) 12.08.2020
(72) STORK, Bernd	(54) WASHING MACHINE AND METHOD	(22) 19.10.2017
GUZMAN NAVARRO, Antonio	FOR OPERATING THE WASHING	(54) CONTROL METHOD FOR LAUNDRY
(31) 102016119483	MACHINE	TREATING APPARATUS
(32) 12.10.2016	(73) Miele & Cie. KG	(73) LG Electronics Inc.
(33) Germany	(72) Lipka, Emil	(72) PARK, Simong
(51) D04H 18/04	Ewers, Christian	LEE, Ingeon
(11) EP3526384	Sieding, Dirk	(31) 20160139298
(21) EP17768054.3	(31) 102017128114	(32) 25.10.2016
(47) 12.08.2020	(32) 28.11.2017	(33) Korea (Republic)
(87) EP2017072433	(33) Germany	(51) D06F 58/20
19.04.2018	(51) D06F 37/26	D06F 58/30
(22) 07.09.2017	D06F 37/00	D06F 101/02
(54) JET MANIFOLD FOR WATER JET	(11) EP3369853	D06F 103/00
PROCESSING FIBERS	(21) EP16859045.3	D06F 103/02
(73) Trützschler GmbH & Co. KG	(47) 12.08.2020	D06F 103/08
(72) STORK, Bernd	(87) CN2016103553	D06F 103/10
GUZMAN NAVARRO, Antonio	04.05.2017	D06F 103/38
(31) 102016119481	(22) 27.10.2016	D06F 103/50
(32) 12.10.2016	(54) INNER TUB LOCK MECHANISM AND	D06F 105/26
(33) Germany	WASHING MACHINE	(11) EP2935686
(51) D06B 3/04	(73) Qingdao Haier Washing Machine Co.,	(21) EP13805891.2
D06B 3/18	Ltd.	(47) 12.08.2020
D06B 17/00	(72) LV, Peishi	(87) EP2013076809
D06B 19/00	YANG, Lin	26.06.2014
D06C 7/04	XU, Jie	(22) 17.12.2013
(11) EP3458636	FANG, Dafeng	(54) A METHOD FOR CONTROLLING
(21) EP17735623.5	WANG, Lingchen	A HEAT PUMP SYSTEM FOR A
(47) 12.08.2020	(31) 201510718611	LAUNDRY DRYING MACHINE AND A
(87) IB2017052845	(32) 29.10.2015	CORRESPONDING LAUNDRY DRYING
23.11.2017	(33) China	MACHINE
(22) 15.05.2017	(51) D06F 39/02	(73) Electrolux Home Products Corporation
(54) CONTINUOUS DYEING PLANT FOR	(11) EP3473764	N.V.
WARP THREADS COMPRISING AN	(21) EP17197074.2	(72) CAVARRETTA, Francesco
OXIDATION APPARATUS HAVING	(47) 12.08.2020	ZANDONA', Stefano
VARIABLE AND RECOVERABLE	(22) 18.10.2017	(31) 12197800
CAPACITY	(54) WASHING MACHINE DETERGENT	(32) 18.12.2012
(73) KARL MAYER R&D GmbH	DISPENSER	(33) European Patent Office (EPO)
(72) RONCHI, Francesco	(73) Electrolux Laundry Systems Sweden AB	(51) D06F 65/06
(31) UA20163460	(72) SALOMONSSON, Magnus	D06F 67/02
(32) 16.05.2016	LINDGREN, Johannes	D06F 67/08
(33) Italy	NEBOSJA, Jovic	(11) EP3294945
(51) D06F 33/06	NILSSON, Mattias	(21) EP15721731.6
D06F 37/22	MÜLLER, Gunnar	(47) 12.08.2020

(87) EP2015060595 17.11.2016	RAFFAELLI, Paolo BALDI, Stefano	(51) E02F 1/00 G01F 23/296
(22) 13.05.2015	POSSENTI, Francesco	(11) EP2875189
(54) CHEST IRONER	RAFFANTI, Enrico	(21) EP13759846.2
(73) Electrolux Laundry Systems France SNC	(31) FI20130106	(47) 12.08.2020
(72) MAYEUR, Oscar	(32) 09.05.2013	(87) NL2013050541
MAZIÈRE, André	(33) Italy	23.01.2014
(51) D06N 5/00	(51) E01C 19/48	(22) 17.07.2013
E04D 3/34	E02F 9/08	(54) METHOD AND DEVICE FOR
E04D 5/02	F01P 5/06	DETERMINING A HEIGHT OF A
E04D 5/10	F01P 11/10	SETTLED BED IN A MIXTURE IN A
E04D 5/12	(11) EP2728066	LOADING SPACE
(11) EP2617894	(21) EP12007422.4	(73) IHC Holland IE B.V.
(21) EP13305064.1	(47) 12.08.2020	(72) DE KEIZER, Cornelis
(47) 12.08.2020	(22) 30.10.2012	(31) 2009199
(22) 18.01.2013	(54) Construction machine with machine	(32) 17.07.2012
(54) Fire-resistant bituminous cellulose cover	component	(33) Netherlands
plate and manufacturing method	(73) Joseph Vögele AG	(51) E02F 3/36
(73) Onduline	(72) Herzberg, Ingo	F16L 25/01
(72) Thomas, Michel	Schmidt, Thomas	F16L 37/36
Foutel, Martin	Buschmann, Martin	F16L 37/56
Barre, Fabien	(51) E01F 11/00	(11) EP3489564
Maffei, Ilario	G01M 17/02	(21) EP18208099.4
Bocchin, Valter	G08G 1/017	(47) 12.08.2020
(31) 1250587	G08G 1/04	(22) 23.11.2018
(32) 20.01.2012	G08G 1/052	(54) MULTI-CONNECTOR PLATE AND
(33) France	(11) EP2807641	PLATE ASSEMBLY COMPRISING
(51) D06P 1/04	(21) EP13741024.7	SUCH A MULTI-CONNECTOR PLATE
D06P 1/06	(47) 12.08.2020	(73) Staubli Faverges
D06P 1/10	(87) NO2013050017	(72) TIBERGHIEEN, Alain-Christophe
D06P 1/14	01.08.2013	GUIN, Philippe
D06P 1/382	(22) 23.01.2013	GOBBER, Anthonin
D06P 1/384	(54) METHOD FOR AUTOMATIC	(31) 1761097
D06P 1/39	REGISTRATION OF USE OF STUDDED	(32) 23.11.2017
D06P 1/649	TIRES	(33) France
D06P 1/651	(73) Ares Detection AS	(51) E02F 9/20
D06P 1/673	(72) KLEVEN, Ole Bjørn	F15B 11/00
D06P 5/30	KLEVEN, Fredrik Nerol	(11) EP3249116
C09D 11/328	(31) 20120069	(21) EP16740154.6
(11) EP3342926	(32) 23.01.2012	(47) 12.08.2020
(21) EP17208431.1	(33) Norway	(87) JP2016051414
(47) 12.08.2020	(51) E01F 13/02	28.07.2016
(22) 19.12.2017	(11) EP3473771	(22) 19.01.2016
(54) INK JET INK COMPOSITION FOR	(21) EP18201201.3	(54) HYBRID CONSTRUCTION MACHINE
TEXTILE PRINTING, INK SET, AND	(47) 12.08.2020	(73) Hitachi Construction Machinery Co., Ltd.
RECORDING METHOD	(22) 18.10.2018	(72) HITA, Masafumi
(73) Seiko Epson Corporation	(54) CRUSH BARRIER	IMURA, Shinya
(72) MIYAJIMA, Yoshitaka	(73) WeFency B.V.	IZUMI, Shiho
WAKUSHIMA, Yuki	(72) HARING, Joerie	MORIKI, Hidekazu
OGUCHI, Hideki	(31) 2019754	AMANO, Hiroaki
SONOYAMA, Takuya	(32) 18.10.2017	(31) 2015011173
(31) 2016255835	(33) Netherlands	(32) 23.01.2015
2017147981	(51) E01H 1/05	(33) Japan
(32) 28.12.2016	(11) EP3596273	(51) E03C 1/02
31.07.2017	(21) EP18717521.1	E03C 1/084
(33) Japan	(47) 12.08.2020	G05D 7/01
Japan	(87) EP2018056202	(11) EP2806073
(51) D21F 3/02	20.09.2018	(21) EP14001151.1
(11) EP2994569	(22) 13.03.2018	(47) 12.08.2020
(21) EP14732429.7	(54) SELF-PROPELLED STREET	(22) 06.09.2012
(47) 12.08.2020	CLEANING MACHINE	(54) Flow regulator
(87) IT2014000101	(73) Aebi Schmidt Deutschland GmbH	(73) Neoperl GmbH
13.11.2014	(72) HONG, Wang	(72) Lacher, Wolf-Dieter
(22) 07.04.2014	ZUMKELLER, Claus	Stein, Alexander
(54) SHOE PRESS	(31) 102017105337	(31) 202011105376 U
(73) Toscotec S.p.A.	(32) 14.03.2017	(32) 06.09.2011
(72) MENNUCCI, Giovan, Battista	(33) Germany	(33) Germany
SIMONCINI, Francesco		(51) E03C 1/04

F16K 11/078	(33) United States of America	(31) 1650531
F16K 27/04	United States of America	(32) 20.04.2016
F16K 31/60	(51) E03F 5/04	(33) Sweden
(11) EP3244107	(11) EP2778306	(51) E04B 1/82
(21) EP17170066.9	(21) EP14157740.3	G10K 11/16
(47) 12.08.2020	(47) 12.08.2020	(11) EP2971390
(22) 09.05.2017	(22) 05.03.2014	(21) EP14728409.5
(54) SINGLE LEVER MONOBLOC MIXER	(54) Floor drain mounting device	(47) 12.08.2020
TAP CARTRIDGE	(73) ACO Severin Ahlmann GmbH & Co. KG	(87) DE2014000114
(73) Hydroplast S.R.L.	(72) Heim, Sindy	18.09.2014
(72) CATTANEO, Piero	Leser, Alexander	(22) 12.03.2014
(31) UA20163297	(31) 102013102374	(54) ACOUSTIC MODULE
(32) 10.05.2016	(32) 11.03.2013	(73) Musikon GmbH
(33) Italy	(33) Germany	(72) WIEGEL, Thomas
(51) E03C 1/26	(51) E03F 5/04	(31) 102013004502
E03C 1/264	(11) EP3181766	(32) 14.03.2013
E04D 13/04	(21) EP16002654.8	(33) Germany
(11) EP3158144	(47) 12.08.2020	(51) E04B 1/84
(21) EP15811069.2	(22) 14.12.2016	E04B 1/86
(47) 12.08.2020	(54) SIPHON ASSEMBLY	E04B 1/94
(87) AU2015050332	(73) Geni*us B.V.B.A.	E04C 2/08
30.12.2015	(72) Nivelles, Geert Rita Erik Victor	E04C 2/292
(22) 17.06.2015	(31) 1041625	E04C 2/32
(54) A DEBRIS TRAP	(32) 15.12.2015	E04C 2/34
(73) Kimberley, Ian	(33) Netherlands	E04D 3/30
Kimberley, Bruce	(51) E04B 1/74	E04D 3/35
(72) Kimberley, Ian	E04F 13/077	E04D 13/16
Kimberley, Bruce	E04F 13/08	E04F 13/12
(31) 2014902394	(11) EP3181778	(11) EP3467230
(32) 23.06.2014	(21) EP15201177.1	(21) EP17195088.4
(33) Australia	(47) 12.08.2020	(47) 12.08.2020
(51) E03C 1/324	(22) 18.12.2015	(22) 06.10.2017
(11) EP3569777	(54) WALL CLADDING ELEMENT, WALL	(54) ASSEMBLY WITH PROFILED SHEET
(21) EP18172684.5	CLADDING SYSTEM, WALL, AND USE	METAL AND FIRE PROTECTION AND/
(47) 12.08.2020	OF THE WALL CLADDING ELEMENTS	OR SOUNDPROOFING ELEMENT
(22) 16.05.2018	(73) DAW SE	AND FIREPROOFING AND/OR
(54) SANITARY SUPPORT SYSTEM	(72) SCHMUCKER, Sebastian	SOUNDPROOFING ELEMENT FOR
(73) Geberit International AG	(51) E04B 1/82	FORMING AN ASSEMBLY
(72) GROB, Stefan	E04B 1/84	(73) HILTI Aktiengesellschaft
OBERHOLZER, Marco	E04B 9/00	(72) Aubauer, Christoph
(51) E03D 5/02	E04B 9/04	Drexl, Michael
E03D 5/09	E04B 9/34	Jildeh, Hanin
(11) EP3382114	(11) EP3205786	Ober, Andreas
(21) EP18382215.4	(21) EP17163053.6	(51) E04B 1/84
(47) 12.08.2020	(47) 12.08.2020	E04B 2/74
(22) 28.03.2018	(22) 13.03.2014	E04F 13/08
(54) A DEVICE FOR CONNECTING AN	(54) ADJUSTABLE SOUND-ABSORBING	(11) EP3256659
OUTER PUSH BUTTON TO A CISTERN	PANEL AND ASSEMBLY OF	(21) EP15730955.0
FLUSHING MECHANISM	ADJUSTABLE SOUND-ABSORBING	(47) 12.08.2020
(73) Hidrotecnoagua, S.L.	PANELS	(87) EP2015000981
(72) MORÁN FLAQUER, RAFAEL	(73) Eleda S.r.l.	18.08.2016
(31) 201730377 U	(72) CAIMI, Renato	(22) 13.05.2015
(32) 30.03.2017	(31) MI20130122	(54) DRYWALL CONSTRUCTION FOR
(33) Spain	(32) 03.04.2013	RESONANCE SOUND ABSORPTION
(51) E03D 9/10	(33) Italy	(73) Knaut Gips KG
(11) EP3514295	(51) E04B 1/82	(72) GNUTIK, Andrey
(21) EP18201531.3	E04B 5/12	(31) PCT/EP2014/003375
(47) 12.08.2020	E04B 9/00	(32) 11.02.2015
(22) 10.02.2012	E04F 15/22	(33) World Intellectual Property Office (WIPO)
(54) MACERATING APPARATUS	(11) EP3235974	(51) E04C 2/30
(73) Liberty Pumps, Inc.	(21) EP17165520.2	E04H 15/20
(72) POHLER, Donald M.	(47) 12.08.2020	F16K 31/08
HEINSLER, Matthew S.	(22) 07.04.2017	(11) EP3246483
WILLIAMS, David M.	(54) A BUILDING PART WITH HIGH SOUND	(21) EP17172000.6
(31) 201113027878	INSULATION PERFORMANCE	(47) 12.08.2020
201113028102	(73) Refond, Benny	(22) 19.05.2017
(32) 15.02.2011	(72) Refond, Benny	
15.02.2011		

(54) VALVE FOR A BUILDING ENVELOPE ELEMENT AND BUILDING ENVELOPE ELEMENT COMPRISING A VALVE	(11) EP3511491 (21) EP18212403.2 (47) 12.08.2020	Germany <hr/> (51) E05C 9/24 E05F 7/08
(73) Vector Foiltec GmbH	(22) 13.12.2018	(11) EP2581532
(72) Scheidig, Florian Ehrentraut, Tim Maywald, Carl	(54) CLOSURE PLUG FOR A LOCK OF A DRIVE ROD LINER	(21) EP12187656.9 (47) 12.08.2020
(31) 202016102713 U	(73) Aug. Winkhaus GmbH & Co. KG	(22) 08.10.2012
(32) 20.05.2016	(72) Hakenes, Andreas	(54) Corner guide for a connecting rod fitting of a window
(33) Germany	(31) 102018200416	(73) Aug. Winkhaus GmbH & Co. KG
(51) E04F 15/02	(32) 11.01.2018	(72) Kaup, Ludger Schewe, Florian
(11) EP2275618	(33) Germany	(31) 102011084470
(21) EP10180456.5	(51) E05B 63/00 E05C 9/00	(32) 13.10.2011
(47) 12.08.2020	(11) EP3521539	(33) Germany
(22) 09.04.2001	(21) EP19155317.1	(51) E05C 17/20 E05B 81/06 E05B 81/40 E05F 15/622 E05F 15/627
(54) Floorboards provided with a mechanical locking system	(47) 12.08.2020	(11) EP3271535
(73) Valinge Innovation AB	(22) 04.02.2019	(21) EP16719757.3
(72) Pervan, Darko	(54) WINDOW WITH DRIVE GROOVE	(47) 12.08.2020
(31) 0001325	(73) Veka AG	(87) DE2016100117 22.09.2016
(32) 10.04.2000	(72) Vogel, Robert	(22) 15.03.2016
(33) Sweden	(31) 102018102556	(54) MOTOR VEHICLE DOOR
(51) E04F 15/02	(32) 06.02.2018	(73) Kiekert AG
(11) EP3070231	(33) Germany	(72) REDDMANN, Uwe
(21) EP16160985.4	(51) E05B 79/20	(31) 102015103830
(47) 12.08.2020	(11) EP3309332	(32) 16.03.2015
(22) 17.03.2016	(21) EP17196753.2	(33) Germany
(54) INTERCHANGEABLE COVERING WITH A PLUG-IN CONNECTION	(47) 12.08.2020	(51) E05D 3/18 E05D 7/04
(73) Weitzer Holding GmbH	(22) 17.10.2017	(11) EP3002400
(72) Pekovsek, Michael Steiner, Gottfried	(54) ACTUATING DEVICE	(21) EP14187382.8
(31) 102015003664	(73) Brose Schliesssysteme GmbH & Co. KG	(47) 12.08.2020
(32) 20.03.2015	(72) OTTO, Andreas	(54) Concealed door hinge
(33) Germany	(31) 102016119721	(73) Bartels Systembeschlage GmbH
(51) E04H 4/06 E04H 4/12	(32) 17.10.2016	(72) Bartels, Albert
(11) EP3538722	(33) Germany	(51) E05D 7/08 E05D 7/081 E05D 7/082 E05F 15/41
(21) EP17804632.2	(51) E05B 81/20 E05B 81/66	(11) EP3235991
(47) 12.08.2020	(11) EP3574170	(21) EP16165754.9
(87) FR2017053105 17.05.2018	(21) EP18703890.6	(47) 12.08.2020
(22) 14.11.2017	(47) 12.08.2020	(22) 18.04.2016
(54) OVERFLOW POOL WITH MOVABLE BOTTOM	(87) DE2018100070 02.08.2018	(54) WINDOW ACTUATOR WITH OBSTACLE DETECTION
(73) Techno-Pool	(22) 30.01.2018	(73) VKR Holding A/S
(72) STOCK, Michel	(54) LOCK WITH ASSISTED CLOSING DEVICE FOR A MOTOR VEHICLE	(72) HANSEN, Harry MUNK, Torben Ernst MEIER, Lyngholm, Stefan THOMSEN, Heldgaard, Jakob
(31) 1660971	(73) Kiekert AG	(51) E05D 7/12 F24C 15/02
(32) 14.11.2016	(72) BENDEL, Thorsten	(11) EP2740871
(33) France	(31) 102017101703 102017101704	(21) EP13194466.2
(51) E04H 12/02	(32) 30.01.2017	(47) 12.08.2020
(11) EP3253936	30.01.2017	(22) 26.11.2013
(21) EP16712441.1	(33) Germany	(54) Device for a domestic appliance with a hinge and a coupling device and domestic appliance with such a device
(47) 12.08.2020	Germany	(73) BSH Hausgerate GmbH
(87) GR2016000003 11.08.2016	(51) E05B 85/10	(72) Ball, Ludovic
(22) 02.02.2016	(11) EP3049598	
(54) MODULAR FIBER REINFORCED PLASTIC POLES	(21) EP14753018.2	
(73) Composite Technologies Ltd.	(47) 12.08.2020	
(72) CHRONIS, Panagiotis	(87) EP2014002272 02.04.2015	
(31) 20150100040	(22) 19.08.2014	
(32) 04.02.2015	(54) MOTOR VEHICLE DOOR HANDLE	
(33) Greece	(73) Huf Hulsbeck & Furst GmbH & Co. KG	
(51) E05B 17/00 E05B 63/06 E05C 9/18	(72) VELICANIN, Mensur	
	(31) 102013016049 102013017664	
	(32) 27.09.2013 25.10.2013	
	(33) Germany	

Brunner, Martin	(11) EP1956175	(72) DRIFKA, Brian
Hintermayer, Manfred	(21) EP08250450.7	SAUVE, Raymond
(31) 102012222160	(47) 12.08.2020	SCHUMACHER, Andrew, John
(32) 04.12.2012	(22) 07.02.2008	GONTARSKI, Christopher
(33) Germany	(54) FRAME FOR A CLOSURE	MALINOWSKI, Jeffrey, Thomas
(51) E05D 15/06	(73) NAN YA PLASTICS CORPORATION	(31) 201361750202 P
E05D 15/58	(72) Chen Wang, Kuei-Yung	(32) 08.01.2013
E06B 3/50	(31) 0702386	(33) United States of America
E06B 3/92	(32) 07.02.2007	(51) E06B 9/15
(11) EP3075938	(33) United Kingdom	(11) EP2581544
(21) EP16160241.2	(51) E06B 7/14	(21) EP12187784.9
(47) 12.08.2020	(11) EP1682743	(47) 12.08.2020
(22) 14.03.2016	(21) EP04800171.3	(22) 09.10.2012
(54) SLIDE AND TURN DOOR ASSEMBLY AND SUPPORT MECHANISM THEREFOR	(47) 12.08.2020	(54) Roller blind with a number of parallel and pivotally joined roller shutter rods made from single walled, thin metal sheet
(73) J. Banks & Co. Limited	(87) NL2004000779	(73) heroal- Johann Henkenjohann GmbH & Co. KG
(72) Harrison, Peter	19.05.2005	
Fletcher, Peter	(22) 05.11.2004	
(31) 201504303	(54) A FRAME PROVIDED WITH A DRAINAGE SYSTEM, A METHOD FOR PLACING A TUBE IN SUCH A FRAME AS WELL AS A TUBE SUITABLE FOR USE IN SUCH A FRAME	(72) Strebblau, Nico
(32) 13.03.2015		Heidenfelder, Michael
(33) United Kingdom	(73) Hamers, Raymond Thérèse Hubertus	(31) 102011115726
(51) E05F 11/38	(72) Hamers, Raimond, Thérèse Hubertus	(32) 12.10.2011
(11) EP3461981	Bemelmans, Hendrik Mathieu	(33) Germany
(21) EP18000774.2	(31) 1024753	(51) E06B 9/17
(47) 12.08.2020	(32) 10.11.2003	E06B 9/58
(22) 28.09.2018	(33) Netherlands	(11) EP3514313
(54) ADJUSTING DEVICE FOR ADJUSTING THE POSITION OF THE WINDOW PANE OF A MOTOR VEHICLE WINDOW LIFTER	(51) E06B 7/36	(21) EP19152241.6
(73) Hi-Lex Italy S.p.A.	(11) EP3348777	(47) 12.08.2020
(72) Mezzadra, Matteo	(21) EP17002092.9	(22) 17.01.2019
Solari, Pierluigi	(47) 12.08.2020	(54) LIGHT BLOCKING DEVICE WITH MOBILE SCREEN SUCH AS A ROLLER SHUTTER
(31) 201700110189	(22) 27.12.2017	(73) BUBENDORFF SA
(32) 02.10.2017	(54) FINGER-GUARD ROLLER FOR GAP COVERING	(72) BUBENDORF, Robert
(33) Italy	(73) Athmer OHG	LAROCLETTE, Fabien
(51) E05F 15/40	(72) Rösner, Manuel	(31) 1850427
E05F 15/73	Heckmann, Andre	(32) 19.01.2018
(11) EP2843173	(31) 102017100588	(33) France
(21) EP14182664.4	(32) 13.01.2017	(51) E06B 9/24
(47) 12.08.2020	(33) Germany	G02F 1/167
(22) 28.08.2014	(51) E06B 9/11	(11) EP3256903
(54) Automatic door sensor device	E06B 9/17	(21) EP15823847.7
(73) Optex Co., Ltd.	E06B 9/58	(47) 12.08.2020
(72) IWATA,, Yohei	F25D 13/00	(87) US2015063365
SHIRAISHI,, Masanao	F25D 21/04	09.06.2016
IKEDA,, Takayasu	F25D 23/02	(22) 02.12.2015
KONDO,, Takashi	(11) EP3564604	(54) TWO PARTICLE ELECTROPHORETIC LAMINATE FOR USE WITH SMART WINDOWS
(31) 2013177889	(21) EP19000152.9	(73) Heikenfeld, Jason C.
(32) 29.08.2013	(47) 12.08.2020	Mukherjee, Sayantika
(33) Japan	(22) 27.03.2019	(72) Heikenfeld, Jason C.
(51) E06B 3/44	(54) ENCLOSURE FOR REFRIGERATING CHAMBERS	Mukherjee, Sayantika
E06B 9/54	(73) Amiserru, S.L.	(31) 201462086296 P
(11) EP3214250	(72) Iglesias Ballester, Miguel Angel	201462095308 P
(21) EP17000344.6	(31) 201830440	(32) 02.12.2014
(47) 12.08.2020	(32) 04.05.2018	22.12.2014
(22) 03.03.2017	(33) Spain	(33) United States of America
(54) VERTICAL SLIDING WINDOW FOR A BUILDING	(51) E06B 9/11	United States of America
(73) BHB GmbH	E06B 9/58	(51) E06B 9/24
(72) Stark, Raimund	(11) EP2943635	H01L 31/042
(31) 102016002493	(21) EP14737977.0	H01L 31/0468
(32) 03.03.2016	(47) 12.08.2020	G02F 1/15
(33) Germany	(87) US2014010686	(11) EP3369118
(51) E06B 3/70	17.07.2014	(21) EP16858509.9
E06B 3/72	(22) 08.01.2014	(47) 12.08.2020
	(54) ROLL-UP DOOR WITH A WIND LOCK	(87) AU2016051021
	(73) Rytec Corporation	04.05.2017



(22) 28.10.2016	(11) EP2725182	(87) US2017048893
(54) A PANEL STRUCTURE FOR RECEIVING LIGHT AND GENERATING ELECTRICITY	(21) EP13190573.9	15.03.2018
(73) Tropiglas Technologies Ltd	(47) 12.08.2020	(22) 28.08.2017
(72) ALAMEH, Kamal	(22) 29.10.2013	(54) FLOATING OIL AND GAS FACILITY WITH A MOVABLE WELLBAY ASSEMBLY
(31) 2015904462	(54) Operating method of an actuator for operating a mobile element of a home-automation device and actuator operating according to said method	(73) Frontier Deepwater Appraisal Solutions LLC
(32) 30.10.2015	(73) Somfy Activites SA	(72) SHILLING III, Roy B.
09.03.2016	(72) Germain, Florian	WHITE, Charles N.
(33) Australia	Mugnier, David	DAY, Howard W.F.
Australia	(31) 1260303	(31) 201662384626 P
(51) E06B 9/322	(32) 29.10.2012	201715482064
E06B 9/388	(33) France	(32) 07.09.2016
E06B 9/80	(51) E06C 7/00	07.04.2017
(11) EP3199744	(11) EP3191676	(33) United States of America
(21) EP17151659.4	(21) EP15840026.7	United States of America
(47) 12.08.2020	(47) 12.08.2020	(51) E21B 7/28
(22) 16.01.2017	(87) US2015049446	(11) EP2678513
(54) WINDOW COVERING SYSTEM AND DISPLACEMENT CONTROLLING DEVICE THEREOF	17.03.2016	(21) EP11859453.0
(73) Nien Made Enterprise Co., Ltd.	(22) 10.09.2015	(47) 12.08.2020
(72) NIEN, Keng-Hao	(54) RUNG ASSEMBLIES FOR LADDERS AND LADDERS	(87) US2011025982
WEI, Shui-Dong	(73) Wing Enterprises, Inc.	30.08.2012
(31) 201620093383 U	(72) SMITH, Christian	(22) 24.02.2011
201662318771 P	COOK, Benjamin	(54) ADJUSTABLE BODY SUPPORTED CUTTER ARMS FOR UNDERREAMER
201662326020 P	PETERSON, Sean	(73) Tiger 19 Partners, Ltd.
(32) 29.01.2016	RUSSELL, Brian	(72) RIVES, Allen, Kent
06.04.2016	MOSS, N. Ryan	(51) E21B 10/30
22.04.2016	WRIGHT, Bryan	E21B 17/10
(33) China	JONAS, Gary	(11) EP3141688
United States of America	(31) 201462049916 P	(21) EP15185136.7
United States of America	(32) 12.09.2014	(47) 12.08.2020
(51) E06B 9/42	(33) United States of America	(22) 14.09.2015
E06B 9/58	(51) E21B 4/00	(54) MONOLITHIC BLADE STABILISER TOOL FOR DRILL STRING
E06B 9/72	E21B 17/05	(73) European Drilling Projects B.V.
(11) EP3412860	F16C 21/00	(72) NEWMAN, Michael Thomas
(21) EP18176858.1	F16C 33/08	Kok, Ricardo
(47) 12.08.2020	F16C 35/02	(51) E21B 17/01
(22) 08.06.2018	(11) EP3597853	E21B 43/013
(54) SCREENING ARRANGEMENT WITH INTERNAL MOTOR	(21) EP19195863.6	F16L 1/20
(73) VKR Holding A/S	(47) 12.08.2020	(11) EP3204599
(72) Mortensen, Jesper Hostrup	(22) 28.01.2010	(21) EP15787260.7
(31) PA201770453	(54) BEARING ASSEMBLY	(47) 12.08.2020
(32) 09.06.2017	(73) Halliburton Energy Services, Inc.	(87) FR2015052725
(33) Denmark	(72) KIRKHOPE, Kennedy, J.	14.04.2016
(51) E06B 9/58	(51) E21B 7/04	(22) 09.10.2015
(11) EP3574176	E21B 7/06	(54) DEFORMABLE COUPLING DEVICE FOR UNDERWATER PIPES
(21) EP18709470.1	E21B 17/00	(73) Technip France
(47) 12.08.2020	E21B 34/06	(72) LEGEAY, Sébastien
(87) EP2018051983	(11) EP3458671	BONNISSEL, Mélanie
02.08.2018	(21) EP16909685.6	NOSSA, Olivier
(22) 26.01.2018	(47) 12.08.2020	TARBADAR, Samy
(54) GUIDE RAIL FOR GUIDING ROLLER SHUTTERS, SUN SCREENS OR SIMILAR, AND A METHOD FOR ITS MANUFACTURING	(87) US2016043278	(31) 1459735
(73) heroal- Johann Henkenjohann GmbH & Co. KG	25.01.2018	(32) 10.10.2014
(72) JOHANNHÖRSTER, Thomas	(22) 21.07.2016	(33) France
MEERMEIER, Martin	(54) VALVE MECHANISM FOR ROTARY STEERABLE TOOL AND METHODS OF USE	(51) E21B 17/02
(31) 102017101560	(73) Halliburton Energy Services, Inc.	H02G 1/10
(32) 26.01.2017	(72) MOHON, Brian, Allen	H02G 3/22
(33) Germany	EPSTEIN, Robert, Eric	F03D 80/80
(51) E06B 9/68	(51) E21B 7/12	(11) EP3453087
H02P 23/00	E21B 17/01	(21) EP17723491.1
	E21B 19/00	(47) 12.08.2020
	(11) EP3510235	(87) GB2017051266
	(21) EP17761423.7	09.11.2017
	(47) 12.08.2020	(22) 05.05.2017

(54) MOUNTING METHODS AND ASSEMBLIES FOR LONGITUDINALLY EXTENSIVE MEMBERS	(47) 12.08.2020 (87) EP2016053943 31.08.2017	(31) 2010207448 (32) 16.09.2010 (33) Japan
(73) Tekmar Energy Limited	(22) 25.02.2016	(51) F01D 5/16
(72) SIMPSON, Jack CLAYTON, Richard HUGHES, Alex ROWLANDS, Phil	(54) COMPRESSOR (73) BITZER Kühlmaschinenbau GmbH (72) GOSSEN, Dimitri	(11) EP3018292 (21) EP14192520.6 (47) 12.08.2020 (22) 10.11.2014
(31) 201607905 (32) 05.05.2016 (33) United Kingdom	(51) F01D 5/06 F01D 25/16 (11) EP3508702 (21) EP18204424.8	(54) TURBINE BLADE AND CORRESPONDING GAS TURBINE AND MANUFACTURING METHOD (73) Ansaldo Energia Switzerland AG (72) Brandl, Herbert Beretta-Müller, Arrigo
(51) E21B 17/042 (11) EP2668364 (21) EP12738877.5 (47) 12.08.2020 (87) US2012022063 02.08.2012 (22) 20.01.2012	(47) 12.08.2020 (22) 05.11.2018 (54) SPANNER NUT CENTERING FEATURE (73) United Technologies Corporation (72) AMADOR, Armando (31) 201815863452 (32) 05.01.2018 (33) United States of America	(51) F01D 5/16 (11) EP2841706 (21) EP13817307.5 (47) 12.08.2020 (87) US2013036511 16.01.2014 (22) 14.04.2013
(54) DRILL STRING COMPONENTS RESISTANT TO JAMMING	(51) F01D 5/14 F01D 5/18 (11) EP3495613 (21) EP18210702.9 (47) 12.08.2020 (22) 06.12.2018 (54) COOLED GAS TURBINE ENGINE COMPONENT	(87) US2013036511 16.01.2014 (22) 14.04.2013 (54) AIRFOIL, CORRESPONDING TURBINE ENGINES AND METHOD OF PROCESSING (73) United Technologies Corporation (72) FISK, Benjamin T. PROPHETER-HINCKLEY, Tracy A. TRACY, Anita L. LOUREIRO, Sergio M. KLUCHA, Agnes
(73) Longyear TM, Inc. (72) DRENTH, Christopher, L. LITTLELY, Keith, William (31) 201213354189 201161436331 P (32) 19.01.2012 26.01.2011 (33) United States of America United States of America	(73) United Technologies Corporation (72) SPANGLER, Brandon W. GENERALE, Adam P. VU, Ky H. (31) 201715832948 (32) 06.12.2017 (33) United States of America	(22) 14.04.2013 (54) AIRFOIL, CORRESPONDING TURBINE ENGINES AND METHOD OF PROCESSING (73) United Technologies Corporation (72) FISK, Benjamin T. PROPHETER-HINCKLEY, Tracy A. TRACY, Anita L. LOUREIRO, Sergio M. KLUCHA, Agnes (31) 201213454283 (32) 24.04.2012 (33) United States of America
(51) E21B 47/16 H04B 11/00 H04L 27/10 (11) EP3166271 (21) EP16197067.8 (47) 12.08.2020 (22) 03.11.2016	(31) 201715832948 (32) 06.12.2017 (33) United States of America (51) F01D 5/14 F01D 5/18 F01D 5/28 F01D 9/04 F01D 25/00 F01D 25/12 (11) EP3323981 (21) EP17202238.6 (47) 12.08.2020 (22) 17.11.2017	(31) 201213454283 (32) 24.04.2012 (33) United States of America (51) F01D 5/18 (11) EP2615244 (21) EP13150621.4 (47) 12.08.2020 (22) 09.01.2013
(54) METHOD AND APPARATUS FOR SIGNAL EQUALISATION	(54) AIRFOIL PIECES SECURED WITH ENDWALL SECTION (73) United Technologies Corporation (72) SURACE, Raymond PROPHETER-HINCKLEY, Tracy A. (31) 201615354161 (32) 17.11.2016 (33) United States of America	(47) 12.08.2020 (22) 09.01.2013 (54) FILM COOLED TURBINE AIRFOIL HAVING A PLURALITY OF TRENCHES ON THE EXTERIOR SURFACE (73) General Electric Company (72) Lacy, Benjamin Paul (31) 201213349862 (32) 13.01.2012 (33) United States of America
(73) Raptor Oil Limited (72) MACLEAN, Colin COWIE, Gordon (31) 201519471 (32) 04.11.2015 (33) United Kingdom	(54) AIRFOIL PIECES SECURED WITH ENDWALL SECTION (73) United Technologies Corporation (72) SURACE, Raymond PROPHETER-HINCKLEY, Tracy A. (31) 201615354161 (32) 17.11.2016 (33) United States of America	(47) 12.08.2020 (22) 09.01.2013 (54) FILM COOLED TURBINE AIRFOIL HAVING A PLURALITY OF TRENCHES ON THE EXTERIOR SURFACE (73) General Electric Company (72) Lacy, Benjamin Paul (31) 201213349862 (32) 13.01.2012 (33) United States of America
(51) E21C 25/10 (11) EP2820242 (21) EP12870116.6 (47) 12.08.2020 (87) AU2012001166 06.09.2013 (22) 26.09.2012	(54) AIRFOIL PIECES SECURED WITH ENDWALL SECTION (73) United Technologies Corporation (72) SURACE, Raymond PROPHETER-HINCKLEY, Tracy A. (31) 201615354161 (32) 17.11.2016 (33) United States of America	(47) 12.08.2020 (22) 09.01.2013 (54) FILM COOLED TURBINE AIRFOIL HAVING A PLURALITY OF TRENCHES ON THE EXTERIOR SURFACE (73) General Electric Company (72) Lacy, Benjamin Paul (31) 201213349862 (32) 13.01.2012 (33) United States of America
(54) A CUTTING DRUM AND METHOD OF DESIGNING A CUTTING DRUM	(51) F01D 5/14 F01D 25/00 F04D 29/54 (11) EP2431577 (21) EP11178798.2 (47) 12.08.2020 (22) 25.08.2011	(51) F01D 5/18 F01D 9/02 F01D 11/00 F01D 25/00 F02C 7/00 F02C 7/18 F02C 7/28 F16J 15/16 (11) EP3392462 (21) EP17756065.3 (47) 12.08.2020 (87) JP2017002505 31.08.2017 (22) 25.01.2017
(73) Commonwealth Scientific and Industrial Research Organisation (72) LI, Xing Sheng SUN, Yong GUO, Hua (31) 2012900801 (32) 01.03.2012 (33) Australia	(54) Axial flow compressor, gas turbine system having the axial flow compressor and method of modifying the axial flow compressor (73) Mitsubishi Hitachi Power Systems, Ltd. (72) Takahashi, Yasuo Myoren, Chihiro Akiyama, Ryou Miyoshi, Ichiro	(51) F01D 5/18 F01D 9/02 F01D 11/00 F01D 25/00 F02C 7/00 F02C 7/18 F02C 7/28 F16J 15/16 (11) EP3392462 (21) EP17756065.3 (47) 12.08.2020 (87) JP2017002505 31.08.2017 (22) 25.01.2017
(51) F01C 17/06 F04C 18/02 F04C 23/00 F04C 27/00 F04C 29/00 (11) EP3420193 (21) EP16707410.3	(54) Axial flow compressor, gas turbine system having the axial flow compressor and method of modifying the axial flow compressor (73) Mitsubishi Hitachi Power Systems, Ltd. (72) Takahashi, Yasuo Myoren, Chihiro Akiyama, Ryou Miyoshi, Ichiro	(51) F01D 5/18 F01D 9/02 F01D 11/00 F01D 25/00 F02C 7/00 F02C 7/18 F02C 7/28 F16J 15/16 (11) EP3392462 (21) EP17756065.3 (47) 12.08.2020 (87) JP2017002505 31.08.2017 (22) 25.01.2017

WAKI Kunihiko	(72) Saitou, Takeo	(32) 24.10.2017
(31) 2016031195	Watanabe, Yasuyuki	(33) France
(32) 22.02.2016	Yoshida, Shouhei	(51) F01D 17/14
(33) Japan	(31) 2010225391	F01D 17/16
(51) F01D 5/22	(32) 05.10.2010	F02B 37/24
F01D 11/00	(33) Japan	(11) EP3112608
F01D 11/12	(51) F01D 9/04	(21) EP16177022.7
F01D 11/16	(11) EP3406855	(47) 12.08.2020
F02C 7/28	(21) EP18173437.7	(22) 29.06.2016
(11) EP3090140	(47) 12.08.2020	(54) TURBOCHARGER SYSTEM AND
(21) EP14870187.3	(22) 21.05.2018	CONTROL METHOD
(47) 12.08.2020	(54) STATOR ASSEMBLY WITH RETENTION	(73) FPT Industrial S.p.A.
(87) US2014070075	CLIP, CORRESPONDING GAS	(72) D'EPIRO, Clino
18.06.2015	TURBINE ENGINE AND METHOD OF	(31) UB20151751
(22) 12.12.2014	ASSEMBLING A STATOR ASSEMBLY	(32) 29.06.2015
(54) BLADE OUTER AIR SEAL WITH	(73) United Technologies Corporation	(33) Italy
SECONDARY AIR SEALING	(72) BARAINCA, Brian	(51) F01D 17/14
(73) United Technologies Corporation	FWLER, Gary F.	F01D 17/18
(72) CLOUSE, Brian, Ellis	(31) 201715606005	F16K 1/42
CLOUD, David, F.	(32) 26.05.2017	F16K 1/44
CLOUGH, Donna	(33) United States of America	(11) EP3517740
(31) 201361915095 P	(51) F01D 9/06	(21) EP18213655.6
(32) 12.12.2013	(11) EP3409896	(47) 12.08.2020
(33) United States of America	(21) EP18164585.4	(22) 18.12.2018
(51) F01D 5/28	(47) 12.08.2020	(54) VALVE DEVICE FOR TURBINE AND
F01D 25/00	(22) 28.03.2018	METHOD FOR PRODUCING VALVE
F02K 1/54	(54) PRESSURE EQUALIZING ORIFICE	DEVICE FOR A TURBINE
F02K 1/60	FOR BAFFLES IN VANES	(73) Mitsubishi Heavy Industries Compressor
F02K 1/64	(73) United Technologies Corporation	Corporation
F02K 1/72	(72) SPANGLER, Brandon W.	(72) NISHIYAMA, Kenichi
F02K 1/82	KOHLI, Atul	(31) 2018013376
(11) EP2525069	(31) 201715608795	(32) 30.01.2018
(21) EP12250111.7	(32) 30.05.2017	(33) Japan
(47) 12.08.2020	(33) United States of America	(51) F01D 17/16
(22) 18.05.2012	(51) F01D 13/00	F02B 37/24
(54) Crack and delamination stoppers for	F01D 15/12	F02C 6/12
aircraft propulsion system components	F01D 25/14	(11) EP3433470
(73) Rohr, Inc.	F02C 7/32	(21) EP17715371.5
(72) Chiou, Song	F04D 25/02	(47) 12.08.2020
Yu, Jia	F04D 25/16	(87) US2017024014
Hubert, Claude	F16H 1/20	28.09.2017
Layland, Michael	(11) EP2711503	(22) 24.03.2017
(31) 201161488659 P	(21) EP13184577.8	(54) VARIABLE GEOMETRY
(32) 20.05.2011	(47) 12.08.2020	TURBOCHARGER
(33) United States of America	(22) 16.09.2013	(73) BorgWarner Inc.
(51) F01D 9/02	(54) Geared turbomachine	(72) WALLACE, Robert
F01D 25/12	(73) MAN Energy Solutions SE	(31) 201615079299
(11) EP3390781	(72) Aschenbruck, Emil	(32) 24.03.2016
(21) EP15817738.6	Bennewa, Carsten	(33) United States of America
(47) 12.08.2020	Boje, Sven	(51) F01D 25/00
(87) US2015065750	Riße, Bernd	F01D 25/18
22.06.2017	Gingter, Philipp	F02C 7/00
(22) 15.12.2015	(31) 102012018468	F02C 7/22
(54) COOLING FEATURES FOR A GAS	(32) 19.09.2012	F02C 7/32
TURBINE ENGINE TRANSITION DUCT	(33) Germany	F16L 9/18
AND CORRESPONDING METHOD FOR	(51) F01D 17/08	F16L 39/00
FORMING	F01D 25/12	G01M 3/00
(73) Siemens Aktiengesellschaft	F02C 7/18	(11) EP3255326
(72) KUMAR, Manish	(11) EP3477078	(21) EP17174631.6
CASSAR, Daniel	(21) EP18197669.7	(47) 12.08.2020
(51) F01D 9/02	(47) 12.08.2020	(22) 06.06.2017
F23R 3/04	(22) 28.09.2018	(54) DOUBLE WALLED TUBE AND
(11) EP2860353	(54) AIRCRAFT TURBINE ENGINE	MANUFACTURE THEREOF
(21) EP14191931.6	COMPRIING A COMPARTMENT	(73) United Technologies Corporation
(47) 12.08.2020	EQUIPPED WITH A VENTILATION UNIT	(72) Callaghan, Craig M.
(22) 05.10.2011	(73) Airbus Operations S.A.S.	Scheiferstein, Gregory S.
(54) Gas turbine combustor	(72) ZEBIAN, Maxime	(31) 201615174311
(73) Mitsubishi Hitachi Power Systems, Ltd.	(31) 1760009	(32) 06.06.2016

(33) United States of America	(31) 879253	(11) EP3026231
(51) F01D 25/10	(32) 28.06.2004	(21) EP14306907.8
F01D 25/20	(33) United States of America	(47) 12.08.2020
F02C 7/14	(51) F01D 25/18	(22) 27.11.2014
(11) EP3336320	F02C 3/067	(54) Mechanical system forming a cam
(21) EP16382600.1	F16C 17/02	follower or a rocker arm, injection pump
(47) 12.08.2020	F16C 33/10	or valve actuator comprising such a
(22) 14.12.2016	(11) EP3239480	mechanical system and method for
(54) OIL HEATING SYSTEM ADAPTED	(21) EP17167982.2	manufacturing such a mechanical system
FOR TURBINE ENGINE TO REDUCE	(47) 12.08.2020	(73) Aktiebolaget SKF
STARTING TORQUE	(22) 25.04.2017	(72) Berruet, Nicolas
(73) Airbus Operations, S.L.	(54) LUBRICATION SCAVENGE SYSTEM	Champalou, François
(72) SEGURA MARTINEZ DE ILARDUYA,	FOR A TURBINE ENGINE WITH	Viault, Samuel
Leire	COUNTER-ROTATING SHAFTS	(51) F01L 13/06
JUAREZ BECERRIL, Alberto	(73) Rolls-Royce Corporation	(11) EP3194734
DEMELAS, Salvatore	Rolls-Royce North American	(21) EP14771554.4
(51) F01D 25/16	Technologies, Inc.	(47) 12.08.2020
(11) EP3064721	(72) Lighty, Kerry	(87) EP2014069940
(21) EP16158151.7	Burnside, Phillip	24.03.2016
(47) 12.08.2020	(31) 201662329797 P	(22) 18.09.2014
(22) 01.03.2016	(32) 29.04.2016	(54) ROCKER ARM ASSEMBLY FOR
(54) EXHAUST GAS TURBOCHARGER	(33) United States of America	ENGINE BRAKING
COMPRISING AN ANISOTROPIC	(51) F01D 25/28	(73) Eaton Intelligent Power Limited
BEARING ARRANGEMENT	F02C 7/32	(72) CECUR, Majo
(73) BorgWarner Inc.	(11) EP3266993	ALESSANDRIA, Marco
(72) NAWRATH, Ivo	(21) EP17175986.3	ANDRISANI, Nicola
(31) 102015203785	(47) 12.08.2020	(51) F01M 1/20
(32) 03.03.2015	(22) 14.06.2017	(11) EP3070279
(33) Germany	(54) A MOUNTING BRACKET	(21) EP15160189.5
(51) F01D 25/16	(73) Rolls-Royce plc	(47) 12.08.2020
F01D 25/18	(72) Peace, Richard	(22) 20.03.2015
F02B 39/14	Yang, Rong	(54) SYSTEM FOR DETECTING A
(11) EP2886808	Lee, Joshua	FAILURE IN A COMBUSTION ENGINE
(21) EP14193959.5	Kelly, Liam	LUBRICATING OIL SYSTEM PROVIDED
(47) 12.08.2020	(31) 201611801	WITH AN ADJUSTABLE OIL SOURCE
(22) 19.11.2014	(32) 07.07.2016	(73) FPT Motorenforschung AG
(54) TURBOCHARGER ASSEMBLY	(33) United Kingdom	(72) BORG, Jonathan
(73) Garrett Transportation I Inc.	(51) F01K 7/34	(51) F01N 3/025
(72) V, Santosh	F01K 7/44	F01N 3/30
Gupta, Suryakant	F01K 17/02	(11) EP3517747
Mulani, Parikshit I.	F01K 17/06	(21) EP19151696.2
John, Poomkuzhimannil Zachariah	F01K 23/12	(47) 12.08.2020
Dayalan, Sunil	(11) EP3533976	(22) 14.01.2019
Kolur, Maltesh	(21) EP18159456.5	(54) LOW TEMPERATURE HEATER FOR
Karthikeyan, Prithivi	(47) 12.08.2020	EXHAUSTED GAS PURIFICATION
Groves, Chris	(22) 01.03.2018	PROCESSING OF DIESEL ENGINE
Davies, Peter	(54) INSTALLATION WITH CONDENSATION	(73) Guizhou Huangdi Technology Co., Ltd.
Groskreutz, Mark	TURBINE AND ORC PROCESS	(72) HUANG, Limin
(31) 201314109140	(73) Siemens Aktiengesellschaft	HUANG, Lijin
(32) 17.12.2013	(72) Hannemann, Frank	(31) 201810082505
(33) United States of America	Schulte, Stephen	(32) 29.01.2018
(51) F01D 25/16	(51) F01K 23/06	(33) China
F02C 6/12	(11) EP3303781	(51) F01N 3/08
F16C 19/18	(21) EP15894442.1	F01N 9/00
F16C 27/04	(47) 12.08.2020	(11) EP3505730
F16C 35/067	(87) US2015033920	(21) EP18215260.3
F16F 15/023	08.12.2016	(47) 12.08.2020
(11) EP2372178	(22) 03.06.2015	(22) 21.12.2018
(21) EP11166455.3	(54) METHOD AND APPARATUS FOR	(54) ELECTROCHEMICAL REACTOR
(47) 12.08.2020	BOTTOMING CYCLE WORKING FLUID	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(22) 28.06.2005	ENTHALPY CONTROL IN A WASTE	(72) SAKUMA, Tetsuya
(54) RETENTION AGAINST ROTATIONAL	HEAT RECOVERY APPARATUS	TAKADA, Keishi
AND AXIAL MOVEMENT OF A TWO	(73) Volvo Truck Corporation	NISHIOKA, Hiromasa
ROW BALL BEARING CARTRIDGE IN	(72) GIBBLE, John	(31) 2017249769
THE HOUSING OF A TURBOMACHINE	(51) F01L 1/14	(32) 26.12.2017
WITH SQUEEZE FILM DAMPING	F02M 59/10	(33) Japan
(73) Garrett Transportation I Inc.	F16H 53/06	(51) F01N 3/20
(72) Mavrosakis, Peter		

F01N 9/00	(32) 22.11.2016	(22) 24.01.2018
F01N 11/00	(33) Japan	(54) INTERNAL COMBUSTION ENGINE
F02B 37/00	(51) F02C 1/06	COMPRISING A FUEL INJECTION
(11) EP3287617	F02C 3/34	NOZZLE WITH AN ADDITIONAL
(21) EP16783414.2	(11) EP3507472	SUPPLY OF A COMBUSTION-
(47) 12.08.2020	(21) EP17772473.9	PROMOTING MEDIUM INTO THE
(87) KR2016004142	(47) 12.08.2020	COMBUSTION CHAMBER
27.10.2016	(87) IB2017055195	(73) Erwin Junker Grinding Technology a.s.
(22) 21.04.2016	08.03.2018	(72) JUNKER, Erwin
(54) POWER APPARATUS INCLUDING	(22) 29.08.2017	(31) 102017201275
REDUCING AGENT SUPPLY CONTROL	(54) SYSTEMS AND METHODS FOR	(32) 26.01.2017
SYSTEM AND REDUCING AGENT	POWER PRODUCTION INCLUDING	(33) Germany
SUPPLY CONTROL METHOD	ION TRANSPORT COMPONENTS	(51) F02D 41/04
(73) Doosan Infracore Co., Ltd.	(73) 8 Rivers Capital, LLC	F02D 41/14
(72) LEE, Jae Hyoung	(72) ALLAM, Rodney John	F02D 41/24
KIM, Tae Sub	BROWN, JR., Glenn William	F02N 11/08
KIM, Ki Bum	HOFF, Benjamin	F02N 15/06
(31) 20150056125	(31) 201662381907 P	F02P 7/067
(32) 21.04.2015	(32) 31.08.2016	B60W 30/192
(33) Korea (Republic)	(33) United States of America	(11) EP3144520
(51) F01N 13/18	(51) F02C 3/14	(21) EP16195809.5
(11) EP3516185	F02C 7/20	(47) 12.08.2020
(21) EP16778860.3	F23M 5/04	(22) 20.01.2010
(47) 12.08.2020	F23R 3/00	(54) SYSTEM FOR RESTARTING INTERNAL
(87) FI2016050642	F23R 3/42	COMBUSTION ENGINE WHEN ENGINE
22.03.2018	(11) EP3055530	RESTART CONDITION IS MET
(22) 16.09.2016	(21) EP14852801.1	(73) DENSO CORPORATION
(54) A METHOD OF AND AN	(47) 12.08.2020	(72) SENDA, Takashi
ARRANGEMENT FOR FASTENING A	(87) US2014059486	KATO, Akira
HOT ARTICLE TO A COLD ARTICLE	16.04.2015	MURATA, Mitsuhiro
(73) Wärtsilä Finland Oy	(22) 07.10.2014	NIIMI, Masami
(72) CERNIGOJ, Michele	(54) BONDED COMBUSTOR WALL FOR A	KAWAHARA, Kenji
GAMBINI, Leonardo	TURBINE ENGINE	NOTANI, Hideya
SALIERNO, Francesco	(73) United Technologies Corporation	(31) 2009011444
CONTENTO, Odorico	(72) ROBERGE, Gary D.	2009121640
(51) F01P 3/20	COOK III, Grant O.	(32) 21.01.2009
F02B 29/04	(31) 201361887744 P	20.05.2009
(11) EP3056709	(32) 07.10.2013	(33) Japan
(21) EP15155137.1	(33) United States of America	Japan
(47) 12.08.2020	(51) F02C 7/232	(51) F02D 41/20
(22) 13.02.2015	F23R 3/28	F02D 41/24
(54) Cooling system for an internal	(11) EP3184900	F02D 41/34
combustion engine	(21) EP15833063.9	F02D 41/40
(73) Caterpillar Motoren GmbH & Co. KG	(47) 12.08.2020	F02M 51/00
(72) Sturm, Michael	(87) JP2015073023	F02M 51/06
Wagener, Benjamin	25.02.2016	(11) EP3453860
Hannemann, Gerd	(22) 17.08.2015	(21) EP17792661.5
(51) F02B 23/10	(54) FUEL INJECTION DEVICE	(47) 12.08.2020
F02D 21/08	(73) Kawasaki Jukogyo Kabushiki Kaisha	(87) JP2017014471
F02D 41/02	Japan Aerospace Exploration Agency	09.11.2017
F02D 43/00	(72) KOBAYASHI, Masayoshi	(22) 07.04.2017
F02D 45/00	MATSUYAMA, Ryusuke	(54) FUEL INJECTION CONTROL DEVICE
F02P 5/15	YAMAGUCHI, Kenta	(73) DENSO CORPORATION
(11) EP3421768	OGATA, Hideki	TOYOTA JIDOSHA KABUSHIKI KAISHA
(21) EP17874106.2	NISHIURA, Takeo	(72) SATAKE, Nobuyuki
(47) 12.08.2020	FUJIWARA, Hitoshi	MURASE, Eiji
(87) JP2017040546	(31) 2014166125	NAKANO, Tomohiro
31.05.2018	(32) 18.08.2014	(31) 2016093315
(22) 10.11.2017	(33) Japan	(32) 06.05.2016
(54) CONTROL APPARATUS FOR	(51) F02D 19/06	(33) Japan
COMPRESSION AUTO-IGNITION	F02M 23/00	(51) F02D 41/24
ENGINE	F02M 43/04	(11) EP3011160
(73) Mazda Motor Corporation	F02M 67/02	(21) EP14730125.3
(72) INOUE, Atsushi	(11) EP3574204	(47) 12.08.2020
SUEOKA, Masanari	(21) EP18701338.8	(87) EP2014061790
MATSUMOTO, Kota	(47) 12.08.2020	24.12.2014
URUSHIHARA, Tomonori	(87) EP2018051683	(22) 06.06.2014
(31) 2016226929	02.08.2018	

(54) METHOD AND DEVICE FOR CONTROLLING AN INJECTOR	(31) 201516704	(21) EP17189947.9
(73) Vitesco Technologies GmbH	(32) 21.09.2015	(47) 12.08.2020
(72) MARCHI, Luigi	(33) United Kingdom	(22) 07.09.2017
(31) 13173191	(51) F03B 13/26	(54) WIND TURBINE BLADE COMPRISING AN EDGEWISE STABILIZER
(32) 21.06.2013	F16B 2/02	(73) VESTAS WIND SYSTEMS A/S
(33) European Patent Office (EPO)	(11) EP3455490	(72) NIELSEN, Thomas S. Bjertrup
(51) F02G 1/053	(21) EP17721728.8	(31) 201670690
(11) EP2971719	(47) 12.08.2020	(32) 08.09.2016
(21) EP14724566.6	(87) EP2017060955	(33) Denmark
(47) 12.08.2020	16.11.2017	(51) F03D 1/06
(87) US2014027835	(22) 08.05.2017	F03D 80/40
18.09.2014	(54) WATER CURRENT POWER GENERATING SYSTEMS	(11) EP3011172
(22) 14.03.2014	(73) GE Energy (UK) Limited	(21) EP14711444.1
(54) STIRLING CYCLE MACHINE	(72) RHYMES, Jonathan Paul	(47) 12.08.2020
(73) New Power Concepts LLC	(31) 201608149	(87) EP2014000713
(72) LANGENFELD, Christopher C.	(32) 10.05.2016	24.12.2014
BHAT, Prashant	(33) United Kingdom	(22) 17.03.2014
(31) 201313836946	(51) F03D 1/00	(54) ROTOR BLADE OF A WIND TURBINE, DEICING SYSTEM AND METHOD
(32) 15.03.2013	F03D 1/06	(73) Senvion GmbH
(33) United States of America	(11) EP2672106	(72) ERBSLÖH, Sascha
(51) F02M 35/10	(21) EP13170508.9	(31) 102013211520
F02M 35/104	(47) 12.08.2020	(32) 19.06.2013
F02M 26/19	(22) 04.06.2013	(33) Germany
(11) EP3134635	(54) System and method for assembling and disassembling components from a wind power turbine	(51) F03D 1/06
(21) EP15714597.0	(73) Nordex Energy Spain, S.A.U.	G05B 19/4099
(47) 12.08.2020	(72) Arlabán Gabeiras, Teresa	F03D 17/00
(87) FR2015050588	Garcia Sayes, José Miguel	F03D 80/50
01.10.2015	Gorostidi Martinez De Lecea, Alvaro	B29C 67/00
(22) 10.03.2015	(31) 201261655311 P	(11) EP3550142
(54) INTAKE MANIFOLD FOR AN INTERNAL COMBUSTION ENGINE OF AN AUTOMOTIVE VEHICLE	(32) 04.06.2012	(21) EP18165845.1
(73) Renault s.a.s.	(33) United States of America	(47) 12.08.2020
(72) GRENIER, Laurent	(51) F03D 1/06	(22) 05.04.2018
FRIGO, Marc	F03D 7/02	(54) METHOD FOR ON-SITE REPAIRING OF A WIND TURBINE COMPONENT
(31) 1452710	(11) EP3517773	(73) Siemens Gamesa Renewable Energy A/S
(32) 28.03.2014	(21) EP18153823.2	(72) Stecher, Harald
(33) France	(47) 12.08.2020	Grishauge, Nikolai Bak
(51) F02M 47/02	(22) 29.01.2018	(51) F03D 3/06
F02M 61/20	(54) TRAILING EDGE ASSEMBLY	(11) EP2466122
F02M 63/00	(73) Siemens Gamesa Renewable Energy A/S	(21) EP11193600.1
(11) EP3344867	(72) Akay, Busra	(47) 12.08.2020
(21) EP16734318.5	Enevoldsen, Peder Bay	(22) 14.12.2011
(47) 12.08.2020	Gonzalez, Alejandro Gomez	(54) Wind turbine blade, molding apparatus and method for manufacturing a wind turbine blade with vortex generators
(87) EP2016065206	(51) F03D 1/06	(73) Vestas Wind Systems A/S
12.01.2017	F03D 80/00	(72) Grife, Ronald
(22) 29.06.2016	(11) EP3372830	Bryant, Joshua
(54) FUEL INJECTOR HAVING EXTERNAL SETTING OF THE COIL SPRING	(21) EP17868480.9	Chao, David
(73) Delphi Technologies IP Limited	(47) 12.08.2020	Mittendorf, Kim
(72) LEROUX, Ludovic	(87) CN2017089104	Choi, Jou-Young
THIBAUT, Thierry	05.07.2018	Westergaard, Carsten Hein
(31) 1556494	(22) 20.06.2017	Arrington, Abigail
(32) 09.07.2015	(54) BOLT SLEEVE CONNECTOR, BLADE AND MANUFACTURING METHOD OF BLADE, AND WIND TURBINE SET	(31) 201070584
(33) France	(73) Beijing Goldwind Science & Creation Windpower Equipment Co. Ltd.	42426510 P
(51) F02M 59/44	(72) WANG, Xingbo	(32) 23.12.2010
F02M 59/48	HAO, Liufeng	17.12.2010
(11) EP3353412	(31) 201611243631	(33) Denmark
(21) EP16763528.3	(32) 29.12.2016	United States of America
(47) 12.08.2020	(33) China	(51) F03D 7/00
(87) EP2016071488	(51) F03D 1/06	F03D 7/04
30.03.2017	F03D 80/70	F03D 80/70
(22) 13.09.2016	(11) EP3453873	(21) EP18780013.1
(54) FUEL PUMP ASSEMBLY	(21) EP18780013.1	(47) 12.08.2020
(73) Delphi Technologies IP Limited		
(72) WEST, Benjamin, P.		
CICEK, Gunay		

(87) CN2018079792 10.01.2019	(54) WIND FARM, AND OPERATION METHOD, CONTROL DEVICE, AND OPERATION CONTROL PROGRAM FOR WIND FARM	OPERATING THE RECIPROCATING- PISTON PUMP
(22) 21.03.2018	(73) Mitsubishi Heavy Industries, Ltd.	(73) Thomas Magnete GmbH
(54) WIND TURBINE BLADE PITCH VARIATION DEVICE, PITCH VARIATION METHOD, PITCH VARIATION CONTROL DEVICE, AND WIND TURBINE	(72) Ikawa, Yoshikatsu Ide, Kazunari Karikomi, Kai Yuge, Atsushi	(72) OHLIGSCHLÄGER, Olaf ROLLAND, Thomas JEANNETTE, Kemper HILLIG, Markus MÜLLER, Axel
(73) Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	(31) 2018041065	(31) 102015007465
(72) GU, Yaqi	(32) 07.03.2018	(32) 09.06.2015
ZHU, Bing	(33) Japan	(33) Germany
(31) 201710546447	(51) F03D 13/10	(51) F04B 27/04
(32) 06.07.2017	F03D 13/40	F04B 27/053
(33) China	(11) EP3351790	F04B 35/01
(51) F03D 7/02	(21) EP17152453.1	F04B 39/04
F03D 7/04	(47) 12.08.2020	F04B 53/16
(11) EP3117095	(22) 20.01.2017	F16J 15/24
(21) EP14711676.8	(54) TRACTION SLEEVE FOR ROTOR BLADES OF WIND TURBINES	F16J 15/26
(47) 12.08.2020	(73) Senvion GmbH	F16J 15/3268
(87) DK2014050060	(72) Kleinwort, Finn	(11) EP3504437
17.09.2015	(51) F03G 7/06	(21) EP17764772.4
(22) 13.03.2014	(11) EP2859233	(47) 12.08.2020
(54) CONTROL OF A GROUP OF WIND TURBINES	(21) EP13720401.2	(87) EP2017071582
(73) Vestas Wind Systems A/S	(47) 12.08.2020	01.03.2018
(72) SPRUCE, Chris	(87) EP2013059244	(22) 28.08.2017
HALES, Kelvin	12.12.2013	(54) OIL STRIPPING PACKAGING
(51) F03D 7/02	(22) 03.05.2013	(73) Burckhardt Compression AG
F03D 17/00	(54) ACTUATOR FOR OPERATING A CONTROL ELEMENT	(72) FEISTEL, Norbert
(11) EP3414454	(73) Pierburg GmbH	(31) 16185841
(21) EP17706677.6	(72) PAFFRATH, Holger	(32) 26.08.2016
(47) 12.08.2020	(31) 102012104901	(33) European Patent Office (EPO)
(87) DK2017050036	(32) 06.06.2012	(51) F04B 35/04
17.08.2017	(33) Germany	F04B 49/06
(22) 10.02.2017	(51) F04B 5/02	(11) EP3173623
(54) IMPROVEMENTS RELATING TO A YAW SENSOR FOR A WIND TURBINE	F04B 17/04	(21) EP16200757.9
(73) Vestas Wind Systems A/S	F04B 53/16	(47) 12.08.2020
(72) GLAVIND, Lars	(11) EP3426921	(22) 25.11.2016
OLESEN, Ib Svend	(21) EP17705645.4	(54) COMPRESSOR AND METHOD FOR CONTROLLING THE SAME
THØGERSEN, Morten	(47) 12.08.2020	(73) LG Electronics Inc.
KILB, Kristian	(87) EP2017053696	(72) RYU, Nayi
NIELSEN, Johnny	14.09.2017	LIM, Sungjin
(31) 201670077	(22) 17.02.2017	KANG, Kyoungseok
(32) 12.02.2016	(54) PISTON PUMP	(31) 20150167981
(33) Denmark	(73) Robert Bosch GmbH	(32) 27.11.2015
(51) F03D 7/02	(72) PAWELETZ, Anton	(33) Korea (Republic)
F03D 80/40	KRATZER, Dietmar	(51) F04B 39/00
(11) EP3559457	(31) 102016203847	F04B 39/06
(21) EP17821779.0	(32) 09.03.2016	F04B 39/12
(47) 12.08.2020	(33) Germany	F04B 39/16
(87) DK2017050448	(51) F04B 15/02	(11) EP3299623
28.06.2018	F04B 17/04	(21) EP17192427.7
(22) 21.12.2017	F04B 53/00	(47) 12.08.2020
(54) TEMPERATURE CONTROL BASED ON WEATHER FORECASTING	F04B 53/10	(22) 21.09.2017
(73) Vestas Wind Systems A/S	F04B 53/12	(54) COMPRESSION UNIT FOR A VOLUMETRIC COMPRESSOR WITHOUT LUBRIFICATION
(72) GREGORY, Karl	F04B 53/20	(73) MGF S.r.l.
CUOGHI, Joe	(11) EP3308021	(72) REPACI, Massimo
(31) PA201671038	(21) EP16745050.1	(31) 20160094897
(32) 22.12.2016	(47) 12.08.2020	(32) 21.09.2016
(33) Denmark	(87) EP2016000931	(33) Italy
(51) F03D 7/04	15.12.2016	(51) F04B 39/00
(11) EP3536949	(22) 06.06.2016	F04B 39/06
(21) EP18176270.9	(54) RECIPROCATING-PISTON PUMP WITH INLET-SIDE DELIVERY FLOW LIMITATION, AND METHOD FOR	F04B 39/12
(47) 12.08.2020		F04C 23/00
(22) 06.06.2018		F04C 29/04
		F04C 29/12

(11) EP2873858	(51) F04C 18/16	FARLEY, James Gregory
(21) EP13791594.8	F04C 29/00	DISTASO, Christopher Jon
(47) 12.08.2020	(11) EP3555477	(31) 201662416059 P
(87) JP2013062532	(21) EP17822967.0	(32) 01.11.2016
21.11.2013	(47) 12.08.2020	(33) United States of America
(22) 30.04.2013	(87) US2017065990	(51) F04D 13/06
(54) ELECTRIC COMPRESSOR	21.06.2018	H02K 1/27
(73) Valeo Japan Co., Ltd.	(22) 13.12.2017	H02K 15/03
(72) DEGUCHI, Hironobu	(54) SCREW COMPRESSOR WITH	(11) EP2770611
KISO, Norikatsu	MAGNETIC GEAR	(21) EP13020046.2
LEE, Kyung-Jae	(73) Carrier Corporation	(47) 12.08.2020
(31) 2012114708	(72) TANGUDU, Jagadeesh	(22) 27.06.2013
(32) 18.05.2012	SISHTLA, Vishnu M.	(54) Vacuum pump motor rotor, motor
(33) Japan	(31) 20166243472 P	including same and vacuum pump
(51) F04B 39/02	(32) 15.12.2016	(73) Ebara Corporation
F04C 18/16	(33) United States of America	(72) OJIMA, Yoshinori
F04C 23/00	(51) F04C 18/344	INADA, Takanori
F04C 29/02	F04C 18/356	YOSHIDA, Naoya
(11) EP3084217	F04C 29/12	NAKAZAWA, Toshiharu
(21) EP14793374.1	(11) EP3527828	MATAKE, Koza
(47) 12.08.2020	(21) EP17862694.1	(31) 2013033584
(87) US2014060803	(47) 12.08.2020	(32) 22.02.2013
25.06.2015	(87) CN2017103889	(33) Japan
(22) 16.10.2014	26.04.2018	(51) F04D 13/08
(54) METHOD OF IMPROVING	(22) 28.09.2017	F04D 15/00
COMPRESSOR BEARING RELIABILITY	(54) COMPRESSOR	F04D 15/02
(73) Carrier Corporation	(73) Gree Green Refrigeration Technology	(11) EP3557068
(72) SHOULDERS, Stephen L.	Center Co. Ltd. of Zhuhai	(21) EP18167714.7
(31) 201361917624 P	(72) HUANG, Hui	(47) 12.08.2020
(32) 18.12.2013	WAN, Pengkai	(22) 17.04.2018
(33) United States of America	HU, Yusheng	(54) DRAINAGE PUMP ASSEMBLY AND
(51) F04B 43/04	XU, Jia	METHOD FOR CONTROLLING A
(11) EP3093491	REN, Liping	DRAINAGE PUMP
(21) EP16164112.1	LUO, Fayou	(73) Xylem Europe GmbH
(47) 12.08.2020	WU, Fei	(72) WIKSTRÖM, Jan
(22) 06.04.2016	(31) 201610905871	(51) F04D 15/00
(54) PIEZOELECTRIC ACTUATORS	(32) 17.10.2016	F16K 31/00
OPTIMIZED FOR SYNTHETIC JET	(33) China	G05D 23/02
ACTUATORS	(51) F04C 18/352	(11) EP2976533
(73) The Boeing Company	(11) EP2803864	(21) EP14712231.1
(72) Whalen, Edward A.	(21) EP12865406.8	(47) 12.08.2020
Griffin, Steven F.	(47) 12.08.2020	(87) EP2014054935
van Schoor, Marthinus Cornelius	(87) JP2012000114	25.09.2014
Clery, Conor	18.07.2013	(22) 13.03.2014
(31) 201514712510	(22) 11.01.2012	(54) VALVE AND PUMP ARRANGEMENT
(32) 14.05.2015	(54) VANE-TYPE COMPRESSOR	WITH VALVE
(33) United States of America	(73) Mitsubishi Electric Corporation	(73) KSB SE & Co. KGaA
(51) F04C 18/02	(72) SEKIYA, Shin	(72) NIEDERMEIER, Peter
(11) EP3415762	KAWAMURA, Raito	(31) 102013004908
(21) EP18178013.1	MAEYAMA, Hideaki	(32) 22.03.2013
(47) 12.08.2020	TAKAHASHI, Shinichi	(33) Germany
(22) 15.06.2018	SASAKI, Tatsuya	(51) F04D 17/10
(54) AEROSTATIC THRUST BEARING	SUGIURA, Kanichiro	F04D 27/02
AND METHOD OF AEROSTATICALLY	(51) F04D 13/02	F04D 29/057
SUPPORTING A THRUST LOAD IN A	F04D 29/041	F04D 29/58
SCROLL COMPRESSOR	F04D 29/047	F16C 32/06
(73) Trane International Inc.	F04D 29/62	(11) EP3508733
(72) JOHNSON, Jay H	(11) EP3523539	(21) EP16923211.3
BENCO, Michael G	(21) EP17867899.1	(47) 12.08.2020
JEUNG, Sung Hwa	(47) 12.08.2020	(87) JP2016005098
SMERUD, Scott J	(87) US2017059378	14.06.2018
WILTZIUS, James Joseph	11.05.2018	(22) 09.12.2016
(31) 201715624821	(22) 31.10.2017	(54) COMPRESSOR SYSTEM PROVIDED
201815889838	(54) MAGNETICALLY COUPLED SEALLESS	WITH A GAS BEARING, AND
(32) 16.06.2017	CENTRIFUGAL PUMP	METHOD FOR SUPPLYING GAS TO
06.02.2018	(73) PSG Worldwide, Inc.	A COMPRESSOR PROVIDED WITH A
(33) United States of America	(72) BEACH, Rex Warren	GAS BEARING
United States of America	ORTEGA, Nicholas William	



(73) Mitsubishi Heavy Industries Compressor Corporation	(21) EP18157880.8	(73) Würth International AG
(72) NAGAO, Hideki	(47) 12.08.2020	(72) Eckert, Rainer
OKAMURA, Tomoaki	(22) 21.02.2018	Reuther, Herbert
(51) F04D 19/00	(54) TURBO COMPRESSOR	(31) 102016203308
F04D 23/00	(73) Panasonic Intellectual Property Management Co., Ltd.	(32) 01.03.2016
(11) EP3149336	(72) OGATA, Takeshi	(33) Germany
(21) EP15727734.4	SHOYAMA, Tadayoshi	(51) F16B 12/24
(47) 12.08.2020	KONDO, Akihiro	F16B 13/08
(87) IB2015054033	TAMURA, Tomoichiro	F16B 13/12
03.12.2015	(31) 2017052375	F16B 41/00
(22) 28.05.2015	(32) 17.03.2017	(11) EP3478971
(54) SYSTEM AND METHOD OF A FAN	(33) Japan	(21) EP17749354.1
(73) Almishari, Ibrahim	(51) F04D 29/32	(47) 12.08.2020
(72) Almishari, Ibrahim	(11) EP2728197	(87) DE2017000187
(31) 201462005414 P	(21) EP13186138.7	04.01.2018
(32) 30.05.2014	(47) 12.08.2020	(22) 28.06.2017
(33) United States of America	(22) 26.09.2013	(54) SELF-SECURING BOLT-RETAINING DEVICE
(51) F04D 19/04	(54) Propeller fan and air conditioner having the same	(73) Zimmer, Martin
F04D 29/058	(73) Samsung Electronics Co., Ltd.	Zimmer, Günther
F04D 29/059	(72) Jang, Keun Jeong	(72) Zimmer, Martin
(11) EP3106668	Kim, Byung Ghun	Zimmer, Günther
(21) EP15172543.9	Kim, Jong Moon	(31) 102016007871
(47) 12.08.2020	Kim, Young Jae	(32) 29.06.2016
(22) 17.06.2015	Seo, Hyeong Joon	(33) Germany
(54) VACUUM PUMP	(31) 20120121930	(51) F16B 13/12
(73) PFEIFFER VACUUM GMBH	(32) 31.10.2012	(11) EP3364053
(72) Schill, Michael	(33) Korea (Republic)	(21) EP18154811.6
Leib, Uwe	(51) F15B 15/14	(47) 12.08.2020
Koch, Bernhard	(11) EP2984351	(22) 02.02.2018
(51) F04D 19/04	(21) EP14782340.5	(54) EXPANSION ANCHOR
F16C 32/04	(47) 12.08.2020	(73) fischerwerke GmbH & Co. KG
(11) EP3076036	(87) US2014033772	(72) Pfau, Patrick
(21) EP14865812.3	16.10.2014	(31) 102017103051
(47) 12.08.2020	(22) 11.04.2014	102018102261
(87) JP2014076500	(54) ACTUATOR WITH SWIVEL CAP	(32) 15.02.2017
04.06.2015	(73) SPX FLOW, Inc.	01.02.2018
(22) 03.10.2014	(72) COOPER, James E.	(33) Germany
(54) MAGNETIC BEARING DEVICE AND VACUUM PUMP	(31) 201361811575 P	Germany
(73) Edwards Japan Limited	(32) 12.04.2013	(51) F16B 15/00
(72) KAWASHIMA Toshiaki	(33) United States of America	F16B 15/06
(31) 2013246961	(51) F15B 20/00	F16B 27/00
(32) 29.11.2013	(11) EP3191717	(11) EP3617532
(33) Japan	(21) EP15757439.3	(21) EP19176216.0
(51) F04D 27/02	(47) 12.08.2020	(47) 12.08.2020
F04D 29/42	(87) EP2015001738	(22) 23.05.2019
F04D 29/46	17.03.2016	(54) FASTENER MADE OF WOOD AND/OR WOODEN MATERIALS AND TETHER WITH FASTENING ELEMENTS FOR A POWERED SETTING DEVICE
F16K 3/03	(22) 26.08.2015	(73) Bausmann Collated Fasteners GmbH
(11) EP3530954	(54) DEVICE FOR RELIEVING PRESSURE IN HYDRAULIC PIPES	(72) Baußmann, Winfried
(21) EP19157333.6	(73) Hydac Technology GmbH	(31) 102018121065
(47) 12.08.2020	(72) BAUER, Frank	(32) 29.08.2018
(22) 15.02.2019	(31) 102014013495	(33) Germany
(54) TURBOCHARGER COMPRESSOR HAVING ADJUSTABLE-TRIM MECHANISM	(32) 09.09.2014	(51) F16B 39/24
(73) Garrett Transportation I Inc.	(33) Germany	(11) EP3449140
(72) LOMBARD, Alain	(51) F16B 5/01	(21) EP17732856.4
PEES, Stephane	F16B 13/14	(47) 12.08.2020
MOHTAR, Hani	F16B 37/12	(87) EP2017064942
DOISE, Stephane	(11) EP3214321	28.12.2017
(31) 201815904493	(21) EP17157372.8	(22) 19.06.2017
(32) 26.02.2018	(47) 12.08.2020	(54) SCREW FASTENER ARRANGEMENT AND WASHER ASSEMBLY THEREFOR
(33) United States of America	(22) 22.02.2017	(73) Heico Befestigungstechnik GmbH
(51) F04D 29/28	(54) ASSEMBLY WITH A LIGHTWEIGHT STRUCTURAL PANEL AND A DOWEL AND METHOD FOR INSTALLING A DOWEL IN A LIGHTWEIGHT STRUCTURAL PANEL	(72) LUTTER, Frank
F04D 29/30		(31) 202016103361 U
(11) EP3376048		(32) 24.06.2016

(33) Germany	F16C 33/76	Ihben, Harald
(51) F16B 47/00	F16C 33/78	(31) 102014108181
(11) EP3458732	F16J 15/43	(32) 11.06.2014
(21) EP17723994.4	(11) EP3382224	(33) Germany
(47) 12.08.2020	(21) EP16868721.8	(51) F16D 13/52
(87) EP2017061687	(47) 12.08.2020	F16D 21/06
23.11.2017	(87) JP2016085833	F16D 25/0638
(22) 16.05.2017	01.06.2017	F16D 43/06
(54) DEVICE FOR FIXING A SECURING ANCHOR	(22) 25.11.2016	(11) EP3526482
(73) Zentrale Autoglas GmbH	(54) FERROFLUID SEAL-EQUIPPED BEARING	(21) EP17778171.3
(72) RIESEN, Heinrich	(73) Globberide, Inc.	(47) 12.08.2020
(31) 202016102614 U	(72) OHARA, Takeshige	(87) DE2017100787
(32) 17.05.2016	(31) 2015231002	19.04.2018
(33) Germany	(32) 26.11.2015	(22) 15.09.2017
(51) F16C 3/02	(33) Japan	(54) CLUTCH DEVICE
F16C 3/20	(51) F16C 19/46	(73) Schaeffler Technologies AG & Co. KG
F16F 15/32	F16C 19/54	(72) GRUCA, Werner
F16F 15/34	F16C 33/46	SEIFERMANN, Achim
(11) EP3426945	H02K 7/08	FINK, Jasper
(21) EP17717259.0	F16H 57/021	BUTSCHER, Hannes
(47) 12.08.2020	F16H 57/04	(31) 102016219682
(87) US2017021479	(11) EP3530987	(32) 11.10.2016
14.09.2017	(21) EP18158363.4	(33) Germany
(22) 09.03.2017	(47) 12.08.2020	(51) F16D 13/75
(54) DEVICE FOR SECURING BALANCING WEIGHTS TO A SHAFT, BALANCING SHAFT ASSEMBLY AND METHOD OF SECURING BALANCING WEIGHTS TO A SHAFT	(22) 23.02.2018	(11) EP3155278
(73) Dana Automotive Systems Group, LLC	(54) ARRANGEMENT COMPRISING AN ELECTRIC MACHINE AND A GEARBOX AND VEHICLE	(21) EP15733339.4
(72) SPRINGER, Stephen	(73) Valeo Siemens eAutomotive Germany GmbH	(47) 12.08.2020
(31) 201615068022	(72) Rottach, Arnim-Sebastian	(87) DE2015200344
(32) 11.03.2016	Kirchner, Eckhard	17.12.2015
(33) United States of America	(51) F16D 3/227	(22) 03.06.2015
(51) F16C 11/06	F16D 3/84	(54) SPINDLE-TYPE ACTUATOR FOR A DISTANCE-CONTROLLED ADJUSTMENT DEVICE, AND FRICTION CLUTCH COMPRISING AN ADJUSTMENT DEVICE OF SAID TYPE
F16C 11/12	F16J 3/04	(73) Schaeffler Technologies AG & Co. KG
(11) EP3542077	F16J 15/52	(72) FINKENZELLER, Marc
(21) EP17804763.5	(11) EP2530347	(31) 102014211035
(47) 12.08.2020	(21) EP11736970.2	(32) 10.06.2014
(87) US2017061220	(47) 12.08.2020	(33) Germany
24.05.2018	(87) JP2011051275	(51) F16D 13/75
(22) 13.11.2017	04.08.2011	F16D 23/12
(54) IMPROVED SOCKET ASSEMBLY AND METHOD OF MAKING	(22) 25.01.2011	F16H 21/16
(73) Federal-Mogul Motorparts LLC	(54) CONSTANT VELOCITY UNIVERSAL JOINT	(11) EP3112717
(72) PARKER, Glen C.	(73) NTN Corporation	(21) EP16171871.3
(31) 201662422682 P	(72) TERASAKA, Yoshinori	(47) 12.08.2020
201715629209	WATANABE, Yasuto	(22) 30.05.2016
(32) 16.11.2016	(31) 2010015251	(54) ACTUATION UNIT, MOTOR VEHICLE AND METHOD FOR OPERATING AN ACTUATION UNIT
21.06.2017	(32) 27.01.2010	(73) ZF Friedrichshafen AG
(33) United States of America	(33) Japan	(72) Mäder, Fred
United States of America	(51) F16D 7/02	Baumgart, Sebastian
(51) F16C 17/10	F16D 43/21	(31) 102015212531
(11) EP3529508	F16H 3/00	(32) 03.07.2015
(21) EP17811827.9	F16H 3/093	(33) Germany
(47) 12.08.2020	F16H 35/10	(51) F16D 41/02
(87) AT2017060273	B60K 6/387	F16D 41/067
26.04.2018	B60K 6/48	(11) EP3324065
(22) 19.10.2017	B60K 6/547	(21) EP16306522.0
(54) BEARING ELEMENT	(11) EP2955417	(47) 12.08.2020
(73) Miba Gleitlager Austria GmbH	(21) EP15169861.0	(22) 21.11.2016
(72) HÖLZL, Johannes Sebastian	(47) 12.08.2020	(54) NO-BACK MECHANISM
(31) 509692016	(22) 29.05.2015	(73) Ratier-Figeac SAS
(32) 21.10.2016	(54) HYBRID MOTOR VEHICLE TRANSMISSION ASSEMBLY	(72) PHILIPPE, Jean-Luc
(33) Austria	(73) Magna PT B.V. & Co. KG	(51) F16D 55/224
(51) F16C 19/06	(72) Schweiher, Mark	F16D 55/31
	Hoffmeister, Thomas	

(11) EP3581822	(87) EP2017078216	(72) EEK, Magnus
(21) EP19176226.9	17.05.2018	(51) F16H 57/02
(47) 12.08.2020	(22) 03.11.2017	F16H 57/04
(22) 23.05.2019	(54) RETAINER PLATES FOR FIXING	F03D 15/10
(54) BRAKING SYSTEM FOR AN AIRCRAFT	PLANET CARRIER AND RING GEAR	F03D 80/70
LANDING GEAR WITH CALLIPER WITH	(73) ZF Friedrichshafen AG	(11) EP3574213
SEVERAL AREAS FOR CLAMPING	ZF Wind Power Antwerpen NV	(21) EP18716297.9
THE BRAKE DISC	(72) SPERLICH, Ralf	(47) 12.08.2020
(73) Airbus Helicopters	MÜNCH, Jörg	(87) EP2018059448
(72) PRUD'HOMME LACROIX, Pierre	STRASSER, Dirk	18.10.2018
BISTUER, Olivier	(31) 102016221961	(22) 12.04.2018
(31) 1800600	(32) 09.11.2016	(54) LUBRICATION SYSTEM FOR A DRIVE
(32) 12.06.2018	(33) Germany	TRAIN OF A WIND TURBINE
(33) France	(51) F16H 9/12	(73) Adwen GmbH
(51) F16D 63/00	F16H 55/56	(72) ROGG, Andreas
F16D 66/00	(11) EP3387292	(31) 17166321
F16D 121/06	(21) EP16820346.1	(32) 12.04.2017
F16D 125/66	(47) 12.08.2020	(33) European Patent Office (EPO)
(11) EP2604882	(87) IB2016057255	(51) F16H 57/04
(21) EP12008303.5	15.06.2017	(11) EP3368797
(47) 12.08.2020	(22) 01.12.2016	(21) EP16788104.4
(22) 12.12.2012	(54) A CONTINUOUSLY VARIABLE	(47) 12.08.2020
(54) Braking and/or clamping device with	TRANSMISSION DEVICE WITH GEAR	(87) EP2016076006
monitoring of operational state	REGULATION DEVICE	04.05.2017
(73) Zimmer, Günther Stephan	(73) PIAGGIO & C. S.p.A.	(22) 28.10.2016
Zimmer, Martin Johannes	(72) MARIOTTI, Walter	(54) SPUR GEAR TRANSMISSION
(72) Zimmer, Günther Stephan	FRESCHI, Giacomo	(73) Voith Patent GmbH
Zimmer, Martin Johannes	NESTI, Paolo	(72) KÄMMERER, Steffen
(31) 102011121890	(31) UB20156895	ZEMELLA, Philipp
(32) 14.12.2011	(32) 10.12.2015	RAUCH, Matthias
(33) Germany	(33) Italy	SCHNEIDER, Marco
(51) F16D 65/56	(51) F16H 45/02	(31) 102015221234
(11) EP3208486	(11) EP3348866	(32) 30.10.2015
(21) EP17158543.3	(21) EP17206311.7	(33) Germany
(47) 12.08.2020	(47) 12.08.2020	(51) F16H 59/02
(22) 21.06.2012	(22) 11.12.2017	F16H 59/08
(54) TAPPET AND FORCE TRANSMISSION	(54) HYDRODYNAMIC COUPLING DEVICE	(11) EP2638310
DEVICE COMPRISING A TAPPET	(73) ZF Friedrichshafen AG	(21) EP11839299.2
(73) Meritor Heavy Vehicle Braking Systems	(72) Schönekäs, Jens	(47) 12.08.2020
(UK) Limited	Mencher, Georg	(87) US2011060065
(72) Malki, Refaat	(31) 102017200554	18.05.2012
Taylor, Martin	(32) 16.01.2017	(22) 09.11.2011
(31) 201110515	(33) Germany	(54) ELECTRONIC SELECTOR SWITCH
(32) 22.06.2011	(51) F16H 55/12	(73) Kostal of America
(33) United Kingdom	(11) EP3163123	(72) REDWOOD, Andrew, Paul
(51) F16G 13/16	(21) EP16195100.9	HOSKINS, Steven, R.
H02G 3/04	(47) 12.08.2020	TEFEND, Michael
H02G 11/00	(22) 21.10.2016	(31) 411742 P
(11) EP3117970	(54) SPROCKET AND METHOD AND	(32) 09.11.2010
(21) EP15760832.4	DEVICE FOR PRODUCING THE SAME	(33) United States of America
(47) 12.08.2020	(73) Stahlwerk Augustfehn GmbH	(51) F16H 59/02
(87) JP2015056006	(72) Finkernagel, Peter	F16H 61/24
17.09.2015	(31) 102015014001	G05G 5/06
(22) 28.02.2015	(32) 29.10.2015	(11) EP3146242
(54) EXTENSIBLE ARM MECHANISM AND	(33) Germany	(21) EP15723514.4
ROBOT ARM	(51) F16H 55/17	(47) 12.08.2020
(73) Life Robotics Inc.	F16H 48/38	(87) EP2015061066
(72) YOON, Woo-Keun	(11) EP3353448	26.11.2015
(31) 2014051982	(21) EP15770860.3	(22) 20.05.2015
(32) 14.03.2014	(47) 12.08.2020	(54) RETAINING DEVICE, AND PIN TO BE
(33) Japan	(87) EP2015071923	PLACED IN A RETAINING DEVICE OF
(51) F16H 1/46	30.03.2017	SAID TYPE
F16H 55/17	(22) 23.09.2015	(73) ECS Engineered Control Systems AG
F16H 57/08	(54) CONNECTING ASSEMBLY AND	(72) SCHIRMER, Heiko
F16H 57/02	METHOD FOR PRODUCING A	(31) 102014107080
(11) EP3538793	CONNECTING ASSEMBLY	(32) 20.05.2014
(21) EP17797301.3	(73) GKN Driveline Köping AB	(33) Germany
(47) 12.08.2020		

(51) F16H 61/4069 F16H 61/4148	(51) F16J 15/18 F16J 15/28 F16J 15/34	(21) EP16172636.9 (47) 12.08.2020 (22) 02.06.2016
(11) EP3532752	F16J 15/3272	(54) IMPROVED PRESSURE REGULATOR
(21) EP17791339.9 (47) 12.08.2020	(11) EP3299681	(73) Delphi Technologies IP Limited
(87) EP2017077066 03.05.2018	(21) EP16855322.0 (47) 12.08.2020	(72) MACLANE, Stephen DELMAESTRO, Ben WOOD, Christopher
(22) 24.10.2017	(87) JP2016079621 20.04.2017	(31) 201510404
(54) VEHICLE DRIVE ASSISTANCE SYSTEM COMPRISING AN OPEN HYDRAULIC CIRCUIT	(22) 05.10.2016 (54) SEAL RING	(32) 15.06.2015 (33) United Kingdom
(73) Poclairn Hydraulics Industrie	(73) Kabushiki Kaisha Riken	(51) F16K 27/02
(72) HASENAU, Johannes RAUSCHER, Andréas	(72) PARK, Namsun (31) 2015203472 (32) 15.10.2015 (33) Japan	F16K 31/06 F16K 31/08 H01F 7/127 H01F 7/14 H02K 26/00
(31) 1660328 (32) 25.10.2016 (33) France	(51) F16J 15/32	(11) EP3517812 (21) EP18461511.0 (47) 12.08.2020 (22) 30.01.2018 (54) TORQUE MOTOR WITH DOUBLE FIX SCREWS
(51) F16H 61/4096 F16H 61/423 F16H 61/433	(11) EP3012495 (21) EP14814543.6 (47) 12.08.2020 (87) JP2014061047 24.12.2014 (22) 18.04.2014	(73) Hamilton Sundstrand Corporation (72) Sawicki, Piotr Kozlowski, Piotr
(11) EP3254000 (21) EP16702329.0 (47) 12.08.2020	(54) USE OF HERMETIC SEAL DEVICE (73) Koyo Sealing Techno Co., Ltd. Nabtesco Corporation	(51) F16K 31/00 F16K 31/05 F16K 31/53 F16K 37/00 G01D 5/20
(87) EP2016000145 11.08.2016 (22) 28.01.2016	(72) IKEBUKURO, Kazuha KUBOTA, Koji KURITA, Shuji	(11) EP3194821 (21) EP14902271.7 (47) 12.08.2020 (87) US2014055667 24.03.2016 (22) 15.09.2014
(54) TRAVEL DRIVE (73) Liebherr-Werk Bischofshofen GmbH (72) STOCK, Josef	(31) 102015001282 (32) 02.02.2015 (33) Germany	(54) SENSORS FOR VALVE SYSTEMS AND RELATED ASSEMBLIES, SYSTEMS AND METHODS (73) Flowserve Management Company (72) DOLENTI, William T.
(31) 102015001282 (32) 02.02.2015 (33) Germany	(31) 2013130792 (32) 21.06.2013 (33) Japan	(51) F16K 31/126 F16K 37/00 G01R 27/20 H05F 3/02
(51) F16H 63/34 (11) EP2823203 (21) EP13716965.2 (47) 12.08.2020 (87) EP2013054443 12.09.2013 (22) 05.03.2013	(51) F16J 15/34 F16J 15/36 (11) EP3462061 (21) EP18197077.3 (47) 12.08.2020 (22) 27.09.2018	(11) EP3447349 (21) EP18190119.0 (47) 12.08.2020 (22) 22.08.2018 (54) CONTROL VALVE (73) Samson AG (72) Mellinger, Christian Kah, Harald
(54) LOCKING UNIT, IN PARTICULAR FOR A PARKING LOCK OF AN AUTOMATIC TRANSMISSION	(54) SLIDE RING SEAL ARRANGEMENT IN PARTICULAR FOR DRIVE SHAFTS (73) EagleBurgmann Germany GmbH & Co. KG	(31) 102017119205 (32) 22.08.2017 (33) Germany
(73) SVM Schultz Verwaltungs-GmbH & Co. KG (72) MANG, Helmut SCHERER, Georg	(72) SIMON, Clemens LANG, Dr. Klaus (31) 102017217534 (32) 02.10.2017 (33) Germany	(51) F16L 3/01 B64F 1/36 (11) EP3478584 (21) EP17732146.0 (47) 12.08.2020 (87) EP2017065728 04.01.2018 (22) 26.06.2017
(31) 102012004159 (32) 05.03.2012 (33) Germany	(51) F16K 1/22 F16K 27/02 F16K 41/02	(54) DEVICE COMPRISING A DRIVE SYSTEM FOR EXTENDING AND
(51) F16J 15/12 F16J 15/3232 F16J 15/3236	(11) EP3359855 (21) EP16787631.7 (47) 12.08.2020 (87) US2016055889 13.04.2017 (22) 07.10.2016	
(11) EP3412941 (21) EP17747489.7 (47) 12.08.2020	(54) VALVE BODY INSERT APPARATUS AND RELATED METHODS (73) Fisher Controls International LLC (72) HELFER, Wade, Jonathon (31) 201562238431 P 201615145514 (32) 07.10.2015 03.05.2016 (33) United States of America United States of America	
(87) JP2017003685 10.08.2017 (22) 02.02.2017	(51) F16K 17/00 (11) EP3106722	
(54) GASKET (73) NOK Corporation (72) YANAGI Tokunori UCHIYAMA Masasuke AMANO Takuya NAKAGAWA Yuki HAGIWARA Naoki		
(31) 2016018756 (32) 03.02.2016 (33) Japan		

RETRACTING A CONDITIONED AIR HOSE	DOI, Rinaldo	(54) INSTALLATION AND METHOD FOR PRODUCING LIQUID HELIUM
(73) Lebrun-Nimy SA	(31) MI20150642	(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
(72) GONSETTE, Charles-Etienne	(32) 07.05.2015	(72) BERNHARDT, Jean-Marc
URBAIN, Claudy	(33) Italy	GRILLOT, David
(31) 201605535	(51) F16P 3/14	GRABIE, Véronique
(32) 30.06.2016	G06K 9/00	FAUVE, Eric
(33) Belgium	G06T 7/00	BONNETON, Michel
(51) F16L 3/223	(11) EP2553313	(31) 1150416
F24D 3/14	(21) EP11713960.0	(32) 19.01.2011
(11) EP3228944	(47) 12.08.2020	(33) France
(21) EP17164648.2	(87) US2011030863	(51) F17C 7/04
(47) 12.08.2020	06.10.2011	(11) EP3548794
(22) 03.04.2017	(22) 01.04.2011	(21) EP17808067.7
(54) DEVICE FOR ATTACHING PIPES TO A BUILDING	(54) AUTOMATED MONITORING AND CONTROL OF SAFETY IN A PRODUCTION AREA	(47) 12.08.2020
(73) MissiM	(73) Sealed Air Corporation (US)	(87) EP2017081004
(72) Le Roux, Dominique	(72) DELUCA, Nicholas	07.06.2018
(31) 1600568	SOTO, Koichi	(22) 30.11.2017
(32) 04.04.2016	(31) 341654 P	(54) A FUEL TANK ARRANGEMENT
(33) France	928361	(73) Volvo Truck Corporation
(51) F16L 5/02	(32) 01.04.2010	(72) ANDERSSON, Lennart
F16L 5/08	09.12.2010	LEIDFELDT, Marcus
H02G 3/22	(33) United States of America	MAGNUSSON, Ingemar
(11) EP3220030	United States of America	(31) PCT/EP2016/079409
(21) EP17158445.1	(51) F17C 1/00	(32) 01.12.2016
(47) 12.08.2020	(11) EP3374685	(33) World Intellectual Property Office (WIPO)
(22) 28.02.2017	(21) EP17826416.4	(51) F21S 8/00
(54) SEAL INSERT FOR SEALING A CONDUIT RELATIVE TO AN OPENING	(47) 12.08.2020	F21S 8/02
(73) DOYMA GmbH & Co	(87) DE2017101069	F21V 29/00
(72) Chikatimalla, Rajesh	05.07.2018	(11) EP2076712
(31) 202016101429 U	(22) 13.12.2017	(21) EP07842945.3
(32) 15.03.2016	(54) IMPROVED ANTI-STATIC PRESSURE TANK	(47) 12.08.2020
(33) Germany	(73) Shubbar, Abdul Amir	(87) US2007079123
(51) F16L 37/23	Shubbar, Mahdi	27.03.2008
F16L 37/32	(72) Shubbar, Abdul Amir	(22) 21.09.2007
F16L 37/52	Shubbar, Mahdi	(54) LIGHTING ASSEMBLY, METHOD OF INSTALLING SAME, AND METHOD OF REMOVING SAME
F16L 55/10	(31) 102016125866	(73) IDEAL Industries Lighting LLC
(11) EP3258157	(32) 29.12.2016	(72) VAN DE VEN, Antony Paul
(21) EP16749249.5	(33) Germany	NEGLEY, Gerald H.
(47) 12.08.2020	(51) F17C 1/00	(31) 846222 P
(87) JP2016053856	(11) EP3458767	(32) 21.09.2006
18.08.2016	(21) EP17731284.0	(33) United States of America
(22) 09.02.2016	(47) 12.08.2020	(51) F21S 8/02
(54) EMERGENCY DETACHABLE PIPE JOINT	(87) IB2017052928	F21S 8/04
(73) Nitto Kohki Co., Ltd.	23.11.2017	F21S 10/02
(72) WADA, Akihiro	(22) 18.05.2017	F21V 23/04
(31) 2015026110	(54) VESSEL MADE OF COMPOSITE MATERIAL FOR CONTAINING A PRESSURISED FLUID	F21W 131/406
2015068629	(73) Rocher, Gilles	F21V 23/00
(32) 13.02.2015	(72) Rocher, Gilles	F21V 29/70
30.03.2015	(31) 16170389	F21Y 107/00
(33) Japan	(32) 19.05.2016	F21Y 115/10
Japan	(33) European Patent Office (EPO)	H05B 45/00
(51) F16L 37/23	(51) F17C 3/08	H05B 45/20
F16L 37/36	F17C 5/04	H05B 47/175
(11) EP3292341	F25D 19/00	(11) EP3215786
(21) EP16720146.6	F25J 1/00	(21) EP15795275.5
(47) 12.08.2020	F25J 1/02	(47) 12.08.2020
(87) EP2016059976	(11) EP2665979	(87) US2015058537
10.11.2016	(21) EP12704863.5	12.05.2016
(22) 04.05.2016	(47) 12.08.2020	(22) 02.11.2015
(54) FEMALE QUICK COUPLING ENGAGEABLE UNDER PRESSURE	(87) FR2012050079	(54) SOLID-STATE LUMINAIRE WITH ELECTRONICALLY ADJUSTABLE LIGHT BEAM DISTRIBUTION
(73) Alfa Gomma S.p.A.	26.07.2012	(73) Osram Sylvania Inc.
(72) GENNASIO, Enrico	(22) 12.01.2012	
MAZZOLI, Stefano		

(72) QUILICI, Michael	26.06.2014	(32) 30.01.2013
RYU, Seung Cheol	(22) 09.12.2013	15.03.2013
BROCK, Lori	(54) LED MODULE WITH LED CHIP	15.03.2013
(31) 201414531488	GROUPS	15.03.2013
(32) 03.11.2014	(73) Tridonic GmbH & Co. KG	15.03.2013
(33) United States of America	(72) WIMMER, Florian	10.07.2013
(51) F21S 8/02	GUMHOLD, Jürgen	09.12.2013
F21V 7/00	(31) 102012223945	09.12.2013
F21Y 103/00	(32) 20.12.2012	09.12.2013
F21Y 115/10	(33) Germany	09.12.2013
(11) EP3215788	(51) F21S 19/00	09.12.2013
(21) EP15802239.2	F21V 7/00	09.12.2013
(47) 12.08.2020	F21V 33/00	30.12.2013
(87) US2015059596	F21Y 115/10	(33) United States of America
12.05.2016	H05B 33/08	United States of America
(22) 06.11.2015	(11) EP3563085	United States of America
(54) TROFFER LUMINAIRE	(21) EP17838125.7	United States of America
(73) Quarkstar LLC	(47) 12.08.2020	United States of America
(72) ISBRUCKER, Victor E.	(87) EP2017083562	United States of America
SPEIER, Ingo	05.07.2018	United States of America
(31) 201462077151 P	(22) 19.12.2017	United States of America
(32) 07.11.2014	(54) INTERIOR LIGHTING SYSTEM	United States of America
(33) United States of America	(73) Signify Holding B.V.	United States of America
(51) F21S 8/08	(72) VAN DER POEL, Lucas, Leo, Desire	United States of America
F21V 21/116	DONNERS, Maurice, Alexander, Hugo	United States of America
F21V 23/04	(31) 17150003	United States of America
F21V 31/00	(32) 02.01.2017	(51) F21V 8/00
F21W 131/103	(33) European Patent Office (EPO)	G02B 6/00
F21Y 105/00	(51) F21S 41/20	G02B 27/48
F21V 5/00	F21S 41/29	G02F 1/13357
(11) EP3186552	(11) EP2489927	G03H 1/32
(21) EP15771313.2	(21) EP12155304.4	F21S 2/00
(47) 12.08.2020	(47) 12.08.2020	(11) EP2644965
(87) US2015047169	(22) 14.02.2012	(21) EP11842892.9
03.03.2016	(54) Housing for a signalling and/or lighting	(47) 12.08.2020
(22) 27.08.2015	device	(87) JP2011077217
(54) LIGHTING FIXTURE	(73) Valeo Vision	31.05.2012
(73) Signify Holding B.V.	(72) Dinant, Franck	(22) 25.11.2011
(72) NIMMA, Sridhar, Reddy	(31) 1151217	(54) SURFACE LIGHTING DEVICE AND
DAVIS, Matthew, A.	(32) 15.02.2011	BACKLIGHT DEVICE
(31) 201462042836 P	(33) France	(73) Dai Nippon Printing Co., Ltd.
(32) 28.08.2014	(51) F21V 7/04	(72) KURASHIGE, Makio
(33) United States of America	(11) EP2951496	OYAGI, Yasuyuki
(51) F21S 9/02	(21) EP14745512.5	(31) 2010263915
G06K 19/07	(47) 12.08.2020	(32) 26.11.2010
H04B 5/00	(87) US2014013891	(33) Japan
H05B 47/19	07.08.2014	(51) F21V 8/00
H05B 47/21	(22) 30.01.2014	G02B 19/00
(11) EP3391713	(54) OPTICAL WAVEGUIDE AND LAMP	G02B 27/09
(21) EP17729828.8	INCLUDING SAME	F21V 5/00
(47) 12.08.2020	(73) IDEAL INDUSTRIES LIGHTING LLC	(11) EP2959214
(87) EP2017063430	(72) YUAN, Zongjie	(21) EP14708329.9
21.12.2017	MA, Jiayin	(47) 12.08.2020
(22) 02.06.2017	WILCOX, Kurt, S.	(87) IB2014059037
(54) DECENTRALIZED LOGGING OF	TARSA, Eric, J.	28.08.2014
OPERATING STATE OF TECHNICAL	(31) 201361758660 P	(22) 17.02.2014
BUILDING COMPONENTS	201313841074	(54) AN ARRANGEMENT COMPRISING AN
(73) Zumtobel Lighting GmbH	201313839949	OPTICAL DEVICE AND A REFLECTOR
(72) MAYR, Gregor	201313840563	(73) Signify Holding B.V.
(31) 102016210413	201313842521	(72) BEIJER, Johannes Gerrit Jan
(32) 13.06.2016	201313938877	DROSS, Oliver
(33) Germany	201314101147	(31) 201361766254 P
(51) F21S 9/02	201314101099	(32) 19.02.2013
H01L 25/075	201314101129	(33) United States of America
(11) EP2936559	201314101051	(51) F22B 35/16
(21) EP13802370.0	201314101086	G01N 25/60
(47) 12.08.2020	201314101132	G01N 27/22
(87) EP2013075971	201361922017 P	(11) EP3268577

(21) EP16762100.2	24.04.2014	10.03.2017
(47) 12.08.2020	(22) 17.10.2013	(33) Germany
(87) US2016017296	(54) APPARATUS FOR CONTROLLING AND	Germany
15.09.2016	ADJUSTING THE COMBUSTION IN A	Germany
(22) 10.02.2016	FUEL GAS BURNER	Germany
(54) STEAM QUALITY DIAGNOSTIC METER	(73) Gas Point S.R.L.	(51) F23Q 7/00
(73) Rosemount Inc.	(72) LOVASCIO, Nicola	(11) EP3333483
(72) WIKLUND, David, Eugene	RASTELLI, Raffaello	(21) EP17200876.5
DAVIS, Dale, Scott	ZATTI, Claudio	(47) 12.08.2020
(31) 201514643819	(31) BO20120568	(22) 09.11.2017
(32) 10.03.2015	(32) 17.10.2012	(54) GLOW PLUG
(33) United States of America	(33) Italy	(73) NGK SPARK PLUG CO., LTD.
(51) F23D 11/10	(51) F23N 1/00	(72) Okada, Hirofumi
F23D 11/38	F23N 5/20	(31) 2016240059
F23R 3/14	F24C 3/12	2017145147
F23R 3/28	(11) EP3325884	(32) 12.12.2016
(11) EP3453973	(21) EP16745180.6	27.07.2017
(21) EP18191781.6	(47) 12.08.2020	(33) Japan
(47) 12.08.2020	(87) IB2016054237	Japan
(22) 30.08.2018	26.01.2017	(51) F23R 3/04
(54) FUEL SPRAY NOZZLE	(22) 15.07.2016	F23R 3/28
(73) Rolls-Royce plc	(54) DEVICE FOR MANAGING GAS	(11) EP2613083
(72) Tentorio, Luca	APPLIANCES, AND CORRESPONDING	(21) EP12190986.5
Muldal, Carl	SYSTEMS AND METHODS	(47) 12.08.2020
Huang, Hua Wei	(73) Eltek S.p.A.	(22) 01.11.2012
Bacharoudis, Evangelos	(72) MORO, Marco	(54) Fuel nozzle assembly for use in a turbine
Roman Casado, Juan Carlos	SAVINI, Paolo	engine and methods of assembling same
(31) 20170100411	(31) UB20152265	(73) General Electric Company
201716585	(32) 17.07.2015	(72) Uhm, Jong Ho
(32) 08.09.2017	(33) Italy	Johnson, Thomas Edward
10.10.2017	(51) F23N 1/02	(31) 201213342303
(33) Greece	F23R 3/26	(32) 03.01.2012
United Kingdom	F23R 3/34	(33) United States of America
(51) F23J 15/00	(11) EP2789916	(51) F23R 3/24
F23J 15/02	(21) EP14158597.6	F23R 3/28
F23J 15/06	(47) 12.08.2020	(11) EP3143334
(11) EP2884178	(22) 10.03.2014	(21) EP14809721.5
(21) EP13197198.8	(54) Combustion chamber	(47) 12.08.2020
(47) 12.08.2020	(73) Ansaldo Energia Switzerland AG	(87) RU2014000333
(22) 13.12.2013	(72) Poyyapakkam, Madhavan Narasimhan	19.11.2015
(54) Combustion system and combustion	Syed, Khawar	(22) 12.05.2014
method	Knapp, Klaus	(54) PRE-FILM LIQUID FUEL CARTRIDGE
(73) General Electric Technology GmbH	Wind, Torsten	(73) General Electric Company
(72) Böös, Erik W.	(31) 13163212	(72) MYERS, Geoffrey David
Åhman, Stefan Oscar Hugo	(32) 10.04.2013	SHERSHNYOV, Borys Borysovych
(51) F23M 5/04	(33) European Patent Office (EPO)	GERASIMOV, Alexey Yurievich
F23R 3/00	(51) F23N 5/12	(51) F23R 3/34
F23R 3/60	(11) EP3290801	(11) EP2725303
(11) EP3502565	(21) EP17187664.2	(21) EP13188716.8
(21) EP18215287.6	(47) 12.08.2020	(47) 12.08.2020
(47) 12.08.2020	(22) 24.08.2017	(22) 15.10.2013
(22) 21.12.2018	(54) METHOD FOR CONTROLLING A	(54) Reheat burner arrangement
(54) APPARATUS FOR MITIGATING	FUEL/AIR RATIO IN A HEATING	(73) Ansaldo Energia Switzerland AG
PARTICULATE ACCUMULATION ON A	SYSTEM AND A CONTROL UNIT AND	(72) Wood, John Philip
COMPONENT OF A GAS TURBINE	A HEATING SYSTEM	Ciani, Andrea
(73) United Technologies Corporation	(73) Robert Bosch GmbH	Theuer, Andre
(72) MOURA, Dennis M.	(72) Koudijs, Jan	Pennell, Douglas Anthony
CLUM, Carey	Leerkes, Danny	Freitag, Ewald
(31) 201762609610 P	Westra, Jan	(31) 12190051
(32) 22.12.2017	Jaspers, Bram	(32) 25.10.2012
(33) United States of America	Reijke, Sjoerd	(33) European Patent Office (EPO)
(51) F23N 1/00	(31) 102016216630	(51) F24C 3/12
F23N 5/10	102016216613	F24C 7/08
F23N 5/14	102016216625	G05G 1/08
(11) EP2909536	102017204009	G05G 5/05
(21) EP13818400.7	(32) 02.09.2016	(11) EP3492817
(47) 12.08.2020	02.09.2016	(21) EP18210098.2
(87) IB2013059431	02.09.2016	

(47) 12.08.2020	F25B 1/00	(73) Mitsubishi Electric Corporation
(22) 04.12.2018	F25B 13/00	(72) MOTEGI, Shuuji
(54) COOKING DEVICE	F25B 43/00	(51) F24F 1/46
(73) LG Electronics Inc.	F25B 49/00	F24F 13/22
(72) HA, Yeonsik	F25B 49/02	(11) EP2995874
YU, Cheong Hwan	(11) EP3467399	(21) EP15184028.7
LEE, Jeongdong	(21) EP17914856.4	(47) 12.08.2020
(31) 201762594230 P	(47) 12.08.2020	(22) 07.09.2015
20180154010	(87) JP2017022499	(54) OUTDOOR UNIT FOR AIR
(32) 04.12.2017	27.12.2018	CONDITIONER
03.12.2018	(22) 19.06.2017	(73) LG Electronics Inc.
(33) United States of America	(54) HEAT-PUMP UTILIZATION DEVICE	(72) LEE, Hoki
Korea (Republic)	(73) MITSUBISHI ELECTRIC	LIM, Hyunjun
(51) F24C 7/08	CORPORATION	(31) 20140120978
(11) EP2469173	(72) SUZUKI, Yasuhiro	(32) 12.09.2014
(21) EP11010069.0	MINAMISAKO, Hirokazu	(33) Korea (Republic)
(47) 12.08.2020	SUZUKI, Kazutaka	(51) F24F 3/06
(22) 21.12.2011	MITO, Takafumi	F24F 7/08
(54) Method for controlling a cooking process	HATTORI, Taro	F25B 7/00
in a cooking device and cooking device	(51) F24D 19/10	F25B 13/00
(73) RATIONAL Aktiengesellschaft	H04B 3/54	F25B 49/02
(72) Schreiner, Thomas	(11) EP3303935	F24F 11/00
Lauterbach, Katrin	(21) EP15777606.3	F24F 11/83
Möller, Simone	(47) 12.08.2020	F24F 110/12
Kling, Judith	(87) EP2015001896	F24F 110/22
(31) 102010055983	31.03.2016	F24F 140/20
(32) 23.12.2010	(22) 24.09.2015	F24F 1/0035
(33) Germany	(54) DEVICE AND METHOD FOR	(11) EP2966374
(51) F24C 7/08	CONTROLLING A HEATING AND/OR	(21) EP13877050.8
H01H 25/04	COOLING SYSTEM	(47) 12.08.2020
H01H 36/00	(73) tado GmbH	(87) JP2013055925
(11) EP2251884	(72) GEPPERTH, Jürgen	12.09.2014
(21) EP10161026.9	(31) 102014014491	(22) 05.03.2013
(47) 12.08.2020	(32) 25.09.2014	(54) AIR-CONDITIONING SYSTEM
(22) 26.04.2010	(33) Germany	(73) Mitsubishi Electric Corporation
(54) Operating device for a household device	(51) F24F 1/01	(72) HAMADA, Mamoru
and household device, in particular for	F24F 3/16	UNEZAKI, Fumitake
preparing food	(11) EP3287705	TAMURA, Naomichi
(73) BSH Hausgeräte GmbH	(21) EP17186554.6	NISHIMIYA, Kazunobu
(72) Gotschy, Robert	(47) 12.08.2020	ARAI, Hidemoto
(31) 102009003104	(22) 17.08.2017	(51) F24F 11/30
(32) 14.05.2009	(54) INDUCED AIR DISCHARGING UNIT	F24F 11/56
(33) Germany	(73) Kimura Kohki Co., Ltd.	F24F 11/62
(51) F24D 3/18	(72) KIMURA, Keiichi	F24F 130/40
F24D 17/00	MORITA, Mitsuo	(11) EP3356744
F24D 17/02	URANO, Katsuhiko	(21) EP16778198.8
F24D 19/00	(31) 2016165396	(47) 12.08.2020
F24D 19/10	(32) 26.08.2016	(87) EP2016001581
F25B 1/00	(33) Japan	06.04.2017
F25B 25/00	(51) F24F 1/24	(22) 21.09.2016
F25B 30/02	F24D 17/02	(54) METHOD AND DEVICE FOR
F25B 30/06	F24D 19/10	CONTROLLING AN AIR CONDITIONER
F25B 41/00	F24F 5/00	(73) Tado GmbH
F25B 47/00	F24H 1/00	(72) LANE, Westlund
F25B 49/02	F24H 4/04	(31) 201517145
(11) EP3495753	F24H 9/20	(32) 29.09.2015
(21) EP17916462.9	F25B 30/02	(33) United Kingdom
(47) 12.08.2020	F25B 43/00	(51) F24F 11/30
(87) JP2017038326	F25B 49/02	F24F 11/79
02.05.2019	(11) EP3276279	F24F 120/10
(22) 24.10.2017	(21) EP15887460.2	F24F 120/12
(54) GEOTHERMAL HEAT PUMP SYSTEM	(47) 12.08.2020	F24F 120/20
AND CONTROL METHOD FOR	(87) JP2015059660	(11) EP2857765
GEOTHERMAL HEAT PUMP SYSTEM	06.10.2016	(21) EP14181090.3
(73) MITSUBISHI ELECTRIC	(22) 27.03.2015	(47) 12.08.2020
CORPORATION	(54) HEAT PUMP HOT-WATER-SUPPLY	(22) 14.08.2014
(72) AOYAGI, Yoshiro	OUTDOOR DEVICE, AND HOT-WATER-	(54) Indoor unit of air-conditioning apparatus
(51) F24D 17/02	SUPPLY DEVICE	(73) Mitsubishi Electric Corporation



(72) Matsumoto, Takashi	(54) AIR CONDITIONER	TAKENAKA, Naofumi
(31) 2013208801	(73) Mitsubishi Electric Corporation	WATANABE, Kazuya
(32) 04.10.2013	(72) IKEDA, Takashi	(51) F24H 1/28
(33) Japan	SHIROTA, Mitsuhiro	F24H 1/52
(51) F24F 12/00	SHISHIDO, Takahiro	F24H 9/00
F24F 11/00	(51) F24F 13/20	F28D 7/00
(11) EP2944892	F24F 13/30	F28D 7/02
(21) EP15305711.2	F24F 1/0047	F28D 7/16
(47) 12.08.2020	F24F 1/0063	F28F 1/42
(22) 11.05.2015	(11) EP3557148	F28F 3/04
(54) DUAL-FLOW VENTILATION BOX	(21) EP19170048.3	F28F 9/013
(73) Soler & Palau Research, S.L.	(47) 12.08.2020	(11) EP2828587
(72) Bordas, Ivan	(22) 18.04.2019	(21) EP13718417.2
Gamissans, Marius	(54) AIR CONDITIONER	(47) 12.08.2020
(31) 1454257	(73) LG Electronics Inc.	(87) PL2013000033
(32) 13.05.2014	(72) BANG, Kisuk	26.09.2013
(33) France	SON, Sangyuk	(22) 15.03.2013
(51) F24F 13/02	LEE, Kyungjung	(54) DUAL PURPOSE HEAT EXCHANGER
F24F 13/06	(31) 20180044998	(73) AIC Spółka Akcyjna
F24F 13/062	(32) 18.04.2018	(72) PACHOLSKI, Adam
F24F 13/068	(33) Korea (Republic)	(31) 39860712
(11) EP2503256	(51) F24F 13/22	(32) 23.03.2012
(21) EP12160315.3	F24F 1/00	(33) Poland
(47) 12.08.2020	(11) EP3104096	(51) F24H 3/00
(22) 20.03.2012	(21) EP16173064.3	H05B 3/28
(54) An air inlet diffuser device, and a system	(47) 12.08.2020	H05B 3/48
including a building ceiling having one or	(22) 06.06.2016	(11) EP3545726
more air inlet diffuser devices	(54) DRAIN PAN AND AIR CONDITIONER	(21) EP17817780.4
(73) JS Ventilation A/S	(73) Mitsubishi Heavy Industries Thermal	(47) 12.08.2020
(72) Larsen, Søren Duval Byrgesen	Systems, Ltd.	(87) FR2017053229
Kronby, Kim Jørgen Heide	(72) MATSUMOTO, Soichiro	31.05.2018
(31) 201100193	ISHIZUKA, Hirofumi	(22) 23.11.2017
201100841	(31) 2015119230	(54) ELECTRIC RADIATOR HEATING
(32) 21.03.2011	(32) 12.06.2015	DEVICE HAVING AT LEAST ONE
31.10.2011	(33) Japan	RADIANT HEATER INCLUDING
(33) Denmark	(51) F24F 13/24	TWO SCREENED ELEMENTS WITH
Denmark	F25B 30/06	RESISTIVE BODIES OPERATING
(51) F24F 13/02	(11) EP3099983	UNDER ALTERNATING CURRENT AND
F24F 13/20	(21) EP15705178.0	DIRECT CURRENT
F25D 23/06	(47) 12.08.2020	(73) Lancey Energy Storage
(11) EP3211348	(87) DE2015100030	(72) MEYER, Raphaël
(21) EP17155556.8	30.07.2015	MOREAU, Gilles
(47) 12.08.2020	(22) 26.01.2015	(31) 1661505
(22) 10.02.2017	(54) HEAT PUMP	(32) 25.11.2016
(54) HEAT INSULATED HOUSING FOR AN	(73) Viessmann Werke GmbH & Co. Kg	(33) France
AIR CONDITIONING UNIT	(72) IMMEL, Markus	(51) F24T 10/00
(73) REHAU AG + Co	KOWALEWSKI, Hans-Christian	F24T 10/15
A.P.S. Arosio S.p.A.	PAULS, Willi	(11) EP3032188
(72) Al-Sheyyab, Ahmad	BÜHRING, Andreas	(21) EP15198035.6
Scholze-Starke, Jörg	(31) 102014100889	(47) 12.08.2020
Schulz, Hartmut	(32) 27.01.2014	(22) 04.12.2015
Arosio, Luca	(33) Germany	(54) PROBE BODY FOR INSTALLATION IN
Orsini, Alberto	(51) F24F 13/30	A BOREHOLE AS A GEO-THERMAL
(31) 202016101045 U	F25B 13/00	PROBE
(32) 29.02.2016	F25B 41/04	(73) Jansen AG
(33) Germany	F25B 47/02	(72) Alge, Dietmar
(51) F24F 13/14	F24F 11/30	Brülsauer, Urs
F24F 13/20	(11) EP3062031	Walker, Jana
F24F 13/22	(21) EP13895977.0	(31) 8972014
F24F 13/24	(47) 12.08.2020	(32) 11.12.2014
F24F 1/0011	(87) JP2013078779	(33) Austria
F24F 1/0014	30.04.2015	(51) F25B 1/00
(11) EP3348926	(22) 24.10.2013	F25B 13/00
(21) EP15903588.0	(54) AIR CONDITIONER	F25B 41/06
(47) 12.08.2020	(73) Mitsubishi Electric Corporation	F25B 49/02
(87) JP2015075688	(72) HATOMURA, Takeshi	(11) EP3521732
16.03.2017	YAMASHITA, Koji	(21) EP17856127.0
(22) 10.09.2015	WAKAMOTO, Shinichi	(47) 12.08.2020

(87) JP2017034733 05.04.2018	(21) EP16166600.3 (47) 12.08.2020	INSTITUT FÜR LUFT- UND KÄLTETECHNIK GEMEINNÜTZIGE GESELLSCHAFT mbH
(22) 26.09.2017	(22) 22.04.2016	
(54) AIR CONDITIONER	(54) SORPTION HEAT PUMP AND	(72) Kemmerzehl, Christian
(73) Daikin Industries, Ltd.	SORPTION CIRCUIT PROCESS	Otto, Mike
(72) YAMADA, Takuro	(73) AGO AG Energie + Anlagen	Richter, Lutz
HONDA, Masahiro	(72) Ramming, Klaus	Safarik, Mathias
NAKAGAWA, Yuusuke	(51) F25B 9/06	(31) 102018002201
OKA, Yuusuke	F25B 9/12	(32) 19.03.2018
(31) 2016192559	(11) EP3037746	(33) Germany
(32) 30.09.2016	(21) EP15200200.2	(51) F25B 23/00
(33) Japan	(47) 12.08.2020	(11) EP2753887
(51) F25B 1/00	(22) 15.12.2015	(21) EP11755022.8
F25B 41/04	(54) CRYOCOOLER AND OPERATION	(47) 12.08.2020
(11) EP2407733	METHOD OF CRYOCOOLER	(87) EP2011004557
(21) EP10750493.8	(73) SUMITOMO HEAVY INDUSTRIES, LTD.	14.03.2013
(47) 12.08.2020	(72) XU, Mingyao	(22) 09.09.2011
(87) JP2010000971	DE WAELE, A. T. A. M	(54) COMPACT COOLING SYSTEM
16.09.2010	BAO, Qian	AND METHOD FOR ACCURATE
(22) 17.02.2010	(31) 2014259040	TEMPERATURE CONTROL
(54) AIR CONDITIONING DEVICE	2015146032	(73) CERN - European Organization For
(73) Mitsubishi Electric Corporation	(32) 22.12.2014	Nuclear Research
(72) SAKAI, Tatsunori	23.07.2015	Nikhef
AOKI, Masanori	(33) Japan	(72) BART, Verlaat
SHIBA, Hirokuni	Japan	(51) F25B 47/02
(31) 2009059496	(51) F25B 13/00	F24F 11/30
(32) 12.03.2009	F25B 49/00	F24F 11/42
(33) Japan	F25B 49/02	F24F 11/65
(51) F25B 1/053	(11) EP3527916	F24F 11/77
F25B 1/10	(21) EP19166695.7	F24F 11/89
F25B 49/02	(47) 12.08.2020	F24F 1/00
(11) EP3108188	(22) 27.11.2015	F24F 1/0003
(21) EP15704411.6	(54) REFRIGERATION CYCLE APPARATUS	(11) EP3225930
(47) 12.08.2020	AND REFRIGERATION CYCLE	(21) EP14906891.8
(87) US2015011940	SYSTEM	(47) 12.08.2020
20.08.2015	(73) Mitsubishi Electric Corporation	(87) JP2014081141
(22) 20.01.2015	(72) SUZUKI, Yasuhiro	02.06.2016
(54) VAPOUR COMPRESSION SYSTEM	(31) PCT/JP2015/060669	(22) 26.11.2014
(73) Carrier Corporation	(32) 03.04.2015	(54) AIR CONDITIONER
(72) SISHTLA, Vishnu M.	(33) World Intellectual Property Office (WIPO)	(73) Hitachi-Johnson Controls Air
(31) 201461940716 P	(51) F25B 13/00	Conditioning, Inc.
(32) 17.02.2014	F25B 49/00	(72) SUZUKI, Natsuko
(33) United States of America	F25B 49/02	NAITO, Koji
(51) F25B 1/10	(11) EP3517857	MATSUMURA, Kenji
F25B 6/04	(21) EP19163243.9	URATA, Kazumoto
F25B 40/00	(47) 12.08.2020	(51) F25B 47/02
(11) EP3513134	(22) 27.11.2015	F25B 49/02
(21) EP17780818.5	(54) REFRIGERATION CYCLE APPARATUS	F25D 11/02
(47) 12.08.2020	AND REFRIGERATION CYCLE	F25D 19/04
(87) FR2017052475	SYSTEM	F25D 21/00
22.03.2018	(73) Mitsubishi Electric Corporation	F25D 21/04
(22) 15.09.2017	(72) SUZUKI, Yasuhiro	(11) EP3037750
(54) MOTOR VEHICLE THERMAL	(31) 2015060669	(21) EP15202276.0
MANAGEMENT CIRCUIT	(32) 03.04.2015	(47) 12.08.2020
(73) Valeo Systemes Thermiques	(33) Japan	(22) 23.12.2015
(72) YAHIA, Mohamed	(51) F25B 15/06	(54) REFRIGERATOR AND A METHOD FOR
HALLER, Régine	F25B 25/00	CONTROLLING THE SAME
HAMMI, Samy	F28D 3/00	(73) LG Electronics Inc.
(31) 1658674	F28D 9/00	(72) CHOI, Hojin
(32) 16.09.2016	(11) EP3543626	(31) 20140187426
(33) France	(21) EP19000131.3	(32) 23.12.2014
(51) F25B 1/10	(47) 12.08.2020	(33) Korea (Republic)
F25B 15/00	(22) 18.03.2019	(51) F25B 49/02
F25B 15/04	(54) WATER-LITHIUM BROMIDE	H02H 7/08
F25B 25/02	ABSORPTION COOLING SYSTEM	H02M 1/08
F25B 37/00	(73) EAW Energieanlagenbau GmbH	H02M 5/257
F25B 40/00		H02P 1/42
(11) EP3236178		H02P 1/44

H02P 25/04	(22) 07.01.2015	(33) Germany
H02P 29/02	(54) REFRIGERATOR	(51) F25D 23/06
(11) EP3447896	(73) Samsung Electronics Co., Ltd.	F25D 23/08
(21) EP18199723.0	(72) HONG, Dae Jin	(11) EP2447637
(47) 12.08.2020	KIM, Yong Woo	(21) EP11007904.3
(22) 23.11.2011	(31) 20140002010	(47) 12.08.2020
(54) MOTOR CONTROL SYSTEMS	20140089516	(22) 29.09.2011
(73) B.D.G. el S.r.l.	(32) 07.01.2014	(54) A REFRIGERATOR COMPRISNG AN
(72) Ryan, Paul Thomas	16.07.2014	INSULATED SPACE
Mazzani, Luigi	(33) Korea (Republic)	(73) LG Electronics Inc.
(31) 201020258	Korea (Republic)	(72) Jung, Wonyeong
(32) 30.11.2010	(51) F25D 21/06	Lee, Myungryul
(33) United Kingdom	(11) EP3306242	Jhee, Sung
(51) F25C 1/25	(21) EP17191724.8	(31) 20100105893
(11) EP3531046	(47) 12.08.2020	(32) 28.10.2010
(21) EP19159157.7	(22) 19.09.2017	(33) Korea (Republic)
(47) 12.08.2020	(54) REFRIGERATOR	(51) F25D 25/02
(22) 25.02.2019	(73) LG ELECTRONICS INC.	(11) EP3286510
(54) ICE MAKER	(72) Jung, Jiwon	(21) EP16717367.3
(73) Samsung Electronics Co., Ltd.	(31) 20160127847	(47) 12.08.2020
(72) JUNG, Moongyo	(32) 04.10.2016	(87) EP2016058581
(31) 20180022638	(33) Korea (Republic)	27.10.2016
(32) 26.02.2018	(51) F25D 23/02	(22) 18.04.2016
(33) Korea (Republic)	(11) EP3096098	(54) CONSTRUCTION KIT FOR
(51) F25D 11/00	(21) EP16166309.1	CONSTRUCTING A HOME APPLIANCE
F25D 23/00	(47) 12.08.2020	DEVICE
F25D 23/02	(22) 21.04.2016	(73) BSH Hausgeräte GmbH
F25D 23/06	(54) HOUSEHOLD REFRIGERATOR	(72) ALYANAK, Altan
F25D 27/00	WITH A DOOR-SIDE BEARING PART	APAYDIN, Gokhan-Hasan
F25D 29/00	COMPRISING A PIVOT AXLE AND A	DEMİRÖZ, Taha
H04N 5/225	PIVOT AXLE ARRANGED OUTSIDE	DINTER, Lars
H04N 5/262	THE SIDE-HAND RECESSED GRIP	ERTIK, Mustafa
(11) EP3048398	(73) BSH Hausgeräte GmbH	GÜLER, Fidan
(21) EP15201279.5	(72) Raab, Alfred	HASTÜRK, Cemalettin
(47) 12.08.2020	Flinner, Klaus	KUTLU, Aydin
(22) 22.04.2014	Heisswolf, Tobias	SEN, Hüseyin
(54) REFRIGERATOR AND CONTROL	(31) 102015209258	SUBASI, Gonca
METHOD FOR THE SAME	(32) 20.05.2015	UYANIK, Yunus Emre
(73) LG Electronics Inc.	(33) Germany	YILDIZGÖCER, Tanzer
(72) KIM, Kwanhyung	(51) F25D 23/02	(31) 201504908
HONG, Samnyol	F25D 23/04	201504910
KWON, Sungdu	(11) EP3244148	(32) 21.04.2015
LEE, Ikkyu	(21) EP17170309.3	21.04.2015
LEE, Myoungju	(47) 12.08.2020	(33) Turkey
KIM, Jeonghwan	(22) 10.05.2017	Turkey
(31) 20130044528	(54) REFRIGERATOR	(51) F25D 29/00
20130124739	(73) LG Electronics Inc.	(11) EP3026378
20140045066	(72) PARK, Yoomin	(21) EP15201331.4
20140045067	JANG, Heonjae	(47) 12.08.2020
20140045068	SON, Jinho	(22) 22.04.2014
(32) 23.04.2013	(31) 20160058424	(54) REFRIGERATOR AND CONTROL
18.10.2013	(32) 12.05.2016	METHOD FOR THE SAME
15.04.2014	(33) Korea (Republic)	(73) LG Electronics Inc.
15.04.2014	(51) F25D 23/04	(72) KIM, Kwanhyung
15.04.2014	(11) EP3112784	HONG, Samnyol
(33) Korea (Republic)	(21) EP16173319.1	KWON, Sungdu
Korea (Republic)	(47) 12.08.2020	LEE, Ikkyu
Korea (Republic)	(22) 07.06.2016	LEE, Myoungju
Korea (Republic)	(54) HOUSEHOLD DEVICE COMPONENT	KIM, Jeonghwan
Korea (Republic)	WITH A COEXTRUDED DECORATIVE	(31) 20130044528
(51) F25D 17/08	PART	20130124739
F25D 21/14	(73) BSH Hausgeräte GmbH	20140045066
F25D 23/06	(72) Salomon, Frank	20140045067
(11) EP3093589	Fink, Andrea	20140045068
(21) EP15735174.3	Lux, Denis	(32) 23.04.2013
(47) 12.08.2020	Claaß, Elena	18.10.2013
(87) KR2015000157	(31) 102015212350	15.04.2014
16.07.2015	(32) 01.07.2015	15.04.2014

15.04.2014	(32) 02.05.2018	(32) 19.08.2016
(33) Korea (Republic)	(33) Italy	(33) India
Korea (Republic)	(51) F41A 33/02	(51) G01B 7/06
Korea (Republic)	F41G 3/26	G01D 11/10
Korea (Republic)	F41J 5/02	(11) EP2989417
Korea (Republic)	(11) EP2791612	(21) EP14722612.0
(51) F28B 1/06	(21) EP11877365.4	(47) 12.08.2020
F28D 1/053	(47) 12.08.2020	(87) EP2014058367
F28F 9/02	(87) SE2011051506	30.10.2014
(11) EP3350532	20.06.2013	(22) 24.04.2014
(21) EP16781869.9	(22) 13.12.2011	(54) MEASURING PROBE FOR
(47) 12.08.2020	(54) A WEAPON FIRING AND TARGET	MEASURING THE THICKNESS OF
(87) PL2016000102	SIMULATOR AND METHODS	THIN FILMS
23.03.2017	THEREOF	(73) Helmut Fischer GmbH Institut für
(22) 13.09.2016	(73) SAAB AB	Elektronik und Messtechnik.
(54) HEAT EXCHANGER	(72) AXERUD, Alf	(72) VOLZ, Werner
(73) Enbio Technology Sp. z o.o.	(51) F41G 3/06	(31) 102013104251
(72) KRAJCZYNSKI, Marek	G01S 7/48	(32) 26.04.2013
(31) 41398815	G01S 7/481	(33) Germany
(32) 15.09.2015	G01S 7/497	(51) G01B 11/00
(33) Poland	G01S 17/08	G01B 11/24
(51) F28D 15/02	G02B 27/00	G01C 11/02
(11) EP3392594	G02B 27/64	(11) EP2195608
(21) EP18157243.9	G06F 3/01	(21) EP08831094.1
(47) 12.08.2020	(11) EP3339900	(47) 12.08.2020
(22) 16.02.2018	(21) EP16206369.7	(87) US2008075150
(54) HEAT PIPE AND METHOD OF	(47) 12.08.2020	19.03.2009
MANUFACTURING HEAT PIPE	(22) 22.12.2016	(22) 03.09.2008
(73) SHINKO ELECTRIC INDUSTRIES CO.,	(54) OBSERVATION DEVICE HAVING	(54) SYSTEM AND METHOD FOR
LTD.	AN EYE-CONTROLLED LASER	MULTIFRAME SURFACE
(72) MACHIDA, Yoshihiro	RANGEFINDER	MEASUREMENT OF THE SHAPE OF
(31) 2017084258	(73) Safran Vectronix AG	OBJECTS
(32) 21.04.2017	(72) KUNZ, Daniel	(73) Artec Europe S.à r.l.
(33) Japan	(51) F42C 15/188	(72) LAPA, Nikolay, L.
(51) F28D 20/02	F42C 15/34	(31) 854518
(11) EP3489608	F42C 15/40	(32) 12.09.2007
(21) EP18208760.1	F42C 21/00	(33) United States of America
(47) 12.08.2020	(11) EP3465072	(51) G01B 11/02
(22) 28.11.2018	(21) EP17730360.9	G06T 7/00
(54) THERMAL STORAGE SYSTEM WITH	(47) 12.08.2020	G06T 7/60
PHASE CHANGE MATERIAL AND	(87) DE2017100363	G06T 7/62
A DEVICE FOR CONTROLLING	07.12.2017	(11) EP3582179
CRYSTALLIZATION	(22) 02.05.2017	(21) EP19172234.7
(73) Commissariat à l'Energie Atomique et	(54) STATUS DISPLAY DEVICE OF AN	(47) 12.08.2020
aux Energies Alternatives	IGNITION SYSTEM, DETONATOR,	(22) 02.05.2019
Roquette Frères	MUNITION, AND METHOD FOR	(54) IMAGE PROCESSING APPARATUS,
(72) VESIN, Sébastien	MONITORING AND/OR RETRIEVING A	IMAGE PROCESSING METHOD, AND
BANDELIER, Philippe	MUNITION	IMAGE PROCESSING PROGRAM
BOIT, Baptiste	(73) ATLAS ELEKTRONIK GmbH	(73) FUJITSU LIMITED
TOURE, Oumar	(72) LÄMMLER, Knud	(72) Nonaka, Yusuke
(31) 1761306	BÜNSCH, Wolfgang	Segawa, Eigo
(32) 28.11.2017	(31) 102016109916	(31) 2018112518
(33) France	(32) 30.05.2016	(32) 13.06.2018
(51) F41A 23/42	(33) Germany	(33) Japan
F41F 3/042	(51) F42D 1/055	(51) G01B 11/04
(11) EP3564615	(11) EP3500818	G01B 11/10
(21) EP19161819.8	(21) EP17768867.8	G01B 11/14
(47) 12.08.2020	(47) 12.08.2020	G01B 11/24
(22) 11.03.2019	(87) IB2017055008	G01B 11/245
(54) MISSILE LAUNCH ASSEMBLY AND	22.02.2018	G01N 21/00
MISSILE LAUNCHER COMPRISING	(22) 18.08.2017	G05B 19/00
SAID LAUNCH ASSEMBLY	(54) ELECTRONIC DETONATOR-	G05B 19/418
(73) MBDA ITALIA S.p.A.	EXPLODER SYSTEM	(11) EP3640582
(72) DRAGANI, Teodoro	(73) Pavuluri, Bharath	(21) EP18200557.9
CIANCHETTINI, Massimo	(72) PAVULURI, Ravi Theja	(47) 12.08.2020
ASTE, Giovanni	PAVULURI, Rama Lakshmana Rao	(22) 15.10.2018
PIERGIOVANNI, Alessio	PAVULURI, Bharath	
(31) 201800004993	(31) 201641028312	

<p>(54) SYSTEM AND METHOD FOR TESTING THE SHAPE OF AN OBJECT TO BE TESTED</p> <p>(73) FRAUNHOFER-GESELLSCHAFT zur Förderung der angewandten Forschung e.V.</p> <p>(72) ROJTBERG, Pavel GORSCHLÜTER, Felix BOCKHOLT, Ulrich BERTZ, Alexander CARL, Daniel</p> <hr/> <p>(51) G01B 11/25 G01B 21/04 G01N 21/55</p> <p>(11) EP3433577 (21) EP17711681.1 (47) 12.08.2020 (87) EP2017056835 28.09.2017</p> <p>(22) 22.03.2017</p> <p>(54) DEVICE AND METHOD FOR LINKING MEASUREMENT SIGNALS FROM LIGHTING SIGNALS</p> <p>(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.</p> <p>(72) DÖGE, Jens HOPPE, Christoph PRIWITZER, Holger</p> <p>(31) 16161795 (32) 22.03.2016 (33) European Patent Office (EPO)</p> <hr/> <p>(51) G01B 21/08 G01D 5/26 G01D 5/353 G01K 7/16 G01K 11/32 G01V 9/00 G02B 6/44 H02G 1/10 H02G 9/02</p> <p>(11) EP3078938 (21) EP16160761.9 (47) 12.08.2020 (22) 16.03.2016</p> <p>(54) METHOD AND A DEVICE FOR MONITORING AN UNDERSEA CABLE</p> <p>(73) NKT Photonics GmbH</p> <p>(72) Dr. Hill, Wieland Schäfer, Peter Dr. Olschewski, Martin</p> <p>(31) 102015105241 102015109493 (32) 07.04.2015 15.06.2015 (33) Germany Germany</p> <hr/> <p>(51) G01B 21/22 G01D 5/20 G01D 5/244 H03M 1/48</p> <p>(11) EP3483563 (21) EP18201535.4 (47) 12.08.2020 (22) 24.11.2015</p> <p>(54) RESOLVER DEVICE</p> <p>(73) Japan Aviation Electronics Industry, Limited</p> <p>(72) Nakazato, Kenichi</p>	<p>Kobayashi, Yoshiyuki</p> <p>(31) 2015043172 (32) 05.03.2015 (33) Japan</p> <hr/> <p>(51) G01C 9/28 (11) EP3353493 (21) EP16849395.5 (47) 12.08.2020 (87) US2016052475 30.03.2017 (22) 19.09.2016</p> <p>(54) LEVEL WITH MAGNETIC COUPLING</p> <p>(73) Milwaukee Electric Tool Corporation</p> <p>(72) LASOTA, Richard J. SCHULTZ, Timothy Allen BOEHME, Christopher Frederick RESNICK, Adam Christopher</p> <p>(31) 201562221257 P 201662293595 P (32) 21.09.2015 10.02.2016 (33) United States of America United States of America</p> <hr/> <p>(51) G01C 17/38 G01R 33/02 G06F 1/16 G06F 3/0346 G06F 3/038</p> <p>(11) EP3161499 (21) EP15811043.7 (47) 12.08.2020 (87) US2015033777 30.12.2015 (22) 02.06.2015</p> <p>(54) MAGNETOMETER UNIT FOR ELECTRONIC DEVICES</p> <p>(73) Intel Corporation</p> <p>(72) DANIEL, Kevin J. BRIST, Gary A.</p> <p>(31) 201414314706 (32) 25.06.2014 (33) United States of America</p> <hr/> <p>(51) G01C 21/14 G01S 19/39 G01S 19/40 G01S 19/49</p> <p>(11) EP3198305 (21) EP15766126.5 (47) 12.08.2020 (87) EP2015071100 31.03.2016 (22) 15.09.2015</p> <p>(54) GNSS-POSITIONING BY WRITING FORWARD AND BACKWARD OF POSITION</p> <p>(73) Continental Teves AG &amp; Co. OHG</p> <p>(72) STÄHLIN, Ulrich</p> <p>(31) 102014219350 (32) 24.09.2014 (33) Germany</p> <hr/> <p>(51) G01C 21/20 (11) EP2769180 (21) EP12780904.4 (47) 12.08.2020 (87) US2012054604 25.04.2013 (22) 11.09.2012</p>	<p>(54) DETERMINING A LIKELIHOOD OF A DIRECTIONAL TRANSITION AT A JUNCTION IN AN ENCODED ROUTABILITY GRAPH DESCRIPTION</p> <p>(73) Qualcomm Incorporated</p> <p>(72) GUPTA, Rajarshi</p> <p>(31) 201161548165 P 201113309304 (32) 17.10.2011 01.12.2011 (33) United States of America United States of America</p> <hr/> <p>(51) G01C 21/30 G01C 21/36 G01S 5/16</p> <p>(11) EP3152521 (21) EP15733611.6 (47) 12.08.2020 (87) DE2015200300 10.12.2015 (22) 06.05.2015</p> <p>(54) METHOD AND SYSTEM FOR DETERMINING THE POSITION OF A VEHICLE</p> <p>(73) Conti Temic microelectronic GmbH</p> <p>(72) FECHNER, Thomas HEINRICH, Stefan HEGEMANN, Stefan GREWE, Ralph</p> <p>(31) 102014210770 (32) 05.06.2014 (33) Germany</p> <hr/> <p>(51) G01C 21/32 H04W 4/029</p> <p>(11) EP3446070 (21) EP17735255.6 (47) 12.08.2020 (87) US2017027835 26.10.2017 (22) 17.04.2017</p> <p>(54) MAP DOWNLOADING BASED ON USER'S FUTURE LOCATION</p> <p>(73) Microsoft Technology Licensing, LLC</p> <p>(72) LOPEZ-URICOECHEA, Rafael COLBERT, Oliver MONCAYO, Silvana</p> <p>(31) 201615135003 (32) 21.04.2016 (33) United States of America</p> <hr/> <p>(51) G01C 21/34 (11) EP3084352 (21) EP14821065.1 (47) 12.08.2020 (87) EP2014003363 25.06.2015 (22) 16.12.2014</p> <p>(54) SYSTEM FOR PERFORMING INDIVIDUALISED ROUTE GUIDANCE TAKING INTO ACCOUNT EXTERNAL FACTORS</p> <p>(73) Audi AG</p> <p>(72) SOFRA, Nikoletta KELLER, Michael</p> <p>(31) 102013021846 (32) 21.12.2013 (33) Germany</p> <hr/> <p>(51) G01C 21/36 (11) EP3080789</p>
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- |   |   |  |
|---|---|--|
| (21) EP14869329.4   | (21) EP14739887.9   | (21) EP18151316.9  |
| (47) 12.08.2020   | (47) 12.08.2020   | (47) 12.08.2020  |
| (87) US2014069119   | (87) FR2014051554   | (22) 12.01.2018  |
| 18.06.2015  | 31.12.2014  | (54) ENVIRONMENTAL SENSOR  |
| (22) 08.12.2014   | (22) 23.06.2014   | (73) OMRON CORPORATION   |
| (54) EYE GAZE ENABLED NAVIGATION SYSTEM   | (54) MONITORING THE QUALITY OF A COMMUNICATION CHANNEL SUPPORTED BY A SLIDING CONTACT | (72) NAKAMURA, Kayo  |
| (73) Harman International Industries, Inc.  | (73) Université de Picardie Jules Verne   | UEDA, Naotsugu   |
| (72) DI CENSO, Davide   | Mersen France Amiens SAS  | SAKAI, Ryusuke   |
| MARTI, Stefan   | (72) BOURNY, Valéry   | YAMAUCHI, Takano   |
| (31) 201314100386   | FORTIN, Jérôme  | (31) 2017047877  |
| (32) 09.12.2013   | CAPITAINE, Thierry  | (32) 13.03.2017  |
| (33) United States of America   | LORTHOIS, Aurélien  | (33) Japan   |
| (51) G01C 21/36   | DA ROS, Véronique   | (51) G01F 1/00   |
| G09B 29/10  | (31) 1356216  | G01F 1/66  |
| (11) EP3482162  | (32) 27.06.2013   | G01F 15/00   |
| (21) EP17804737.9   | (33) France   | G01F 25/00   |
| (47) 12.08.2020   | (51) G01D 5/241   | (11) EP3428583   |
| (87) US2017060491   | (11) EP3236214  | (21) EP18000546.4  |
| 24.05.2018  | (21) EP15869818.3   | (47) 12.08.2020  |
| (22) 08.11.2017   | (47) 12.08.2020   | (22) 20.06.2018  |
| (54) SYSTEMS AND METHODS FOR DYNAMICALLY PROVIDING SCALE INFORMATION ON A DIGITAL MAP | (87) JP2015084130   | (54) METHOD FOR OPERATING A FLUID FLOW COUNTER AND FLUID FLOW COUNTER  |
| (73) Google LLC   | 23.06.2016  | (73) Diehl Metering GmbH   |
| (72) TEITTINEN, Marko   | (22) 04.12.2015   | Diehl Metering S.A.S.  |
| (31) 201615357069   | (54) ELECTROSTATIC ENCODER  | (72) Gloss, Maximilian   |
| (32) 21.11.2016   | (73) Oriental Motor Co., Ltd.   | Hirner, Felix  |
| (33) United States of America   | (72) KONDO, Daiki   | Nguyen, Cong Minh  |
| (51) G01C 23/00   | (31) 2014255350   | VOß, Katharina   |
| (11) EP3012590  | (32) 17.12.2014   | Winter, Maximilian   |
| (21) EP15190471.1   | (33) Japan  | Valentin, Zimmermann   |
| (47) 12.08.2020   | (51) G01D 5/244   | (31) 102017006494  |
| (22) 19.10.2015   | G01M 15/06  | (32) 08.07.2017  |
| (54) SYSTEM AND METHOD FOR DISPLAYING RUNWAY LANDING INFORMATION                      | G01P 3/481  | (33) Germany   |
| (73) Honeywell International Inc.   | G01P 3/487  | (51) G01F 1/05   |
| (72) HE, Gang   | G01M 13/021   | G01F 15/14   |
| JOHNSON, Steve  | (11) EP3532802  | G01F 15/18   |
| FEYEREISEN, Thea L.   | (21) EP17797078.7   | (11) EP3513150   |
| (31) 201414519741   | (47) 12.08.2020   | (21) EP17817210.2  |
| (32) 21.10.2014   | (87) EP2017077183   | (47) 12.08.2020  |
| (33) United States of America   | 03.05.2018  | (87) NL2017050606  |
| (51) G01D 5/14  | (22) 24.10.2017   | 22.03.2018   |
| G01D 5/244  | (54) METHOD TO DETERMINE ANGULAR PITCH OF A TOOTHED CRANK WHEEL OR GEAR               | (22) 15.09.2017  |
| G01L 3/10   | (73) Delphi Technologies IP Limited   | (54) DETECTION UNIT FOR A ROTATING MEASURING BALL, AS WELL AS FLOWMETER  |
| H01F 7/02   | (72) EL HOR, Noureddine   | (73) Peters, Marcel Leonardus Joseph Petrus  |
| H02K 1/27   | RIVA, Jérémy  | (72) Peters, Marcel Leonardus Joseph Petrus  |
| (11) EP3387658  | (31) 201618180  | (31) 2017477   |
| (21) EP16702018.9   | (32) 27.10.2016   | (32) 16.09.2016  |
| (47) 12.08.2020   | (33) United Kingdom   | (33) Netherlands   |
| (87) CH2016000008   | (51) G01D 5/353   | (51) G01F 1/84   |
| 20.07.2017  | (11) EP3405752  | G01F 25/00   |
| (22) 15.01.2016   | (21) EP17702430.4   | (11) EP2926096   |
| (54) MAGNET ARRANGEMENT AND PLASTIC PERMANENT MAGNET FOR SUCH A MAGNET ARRANGEMENT    | (47) 12.08.2020   | (21) EP12798128.0  |
| (73) Bomatec Management AG  | (87) GB2017050083   | (47) 12.08.2020  |
| HELLA GmbH & Co. KGaA   | 27.07.2017  | (87) US2012067067  |
| (72) GOLTZ, Jürgen  | (22) 13.01.2017   | 05.06.2014   |
| SPARENBERG, Mathias   | (54) DISTRIBUTED OPTICAL FIBRE SENSORS  | (22) 29.11.2012  |
| (51) G01D 5/165   | (73) Fotech Group Limited   | (54) VIBRATING TYPE FLOW METER, METER ELECTRONICS AND FLOW METERING METHOD WITH DETECTION OF FLUID TUBE CROSS-SECTIONAL AREA CHANGES BY DETERMINING TUBE STIFFNESS BY THE HELP OF A LATERAL VIBRATION MODE |
| H01R 39/58  | (72) STEEL, Adrian  | (73) Micro Motion, Inc.  |
| H04B 3/60   | HANDEREK, Vincent   |  |
| H04B 3/46   | (31) 201601060  |  |
| H04B 17/00  | (32) 20.01.2016   |  |
| (11) EP3014779  | (33) United Kingdom   |  |
|   | (51) G01D 21/02   |  |
|   | (11) EP3376175  |  |

(72) ALVES, Goldino BELL, Mark, James	(22) 09.05.2017	G08B 17/11
(51) G01F 1/84	(54) RADAR FILL LEVEL MEASUREMENT	G08B 17/113
G01F 25/00	DEVICE COMPRISING A PHASE- LOCKED LOOP	(11) EP3527963
(11) EP3365640	(73) VEGA Grieshaber KG	(21) EP19169169.0
(21) EP15787839.8	(72) SCHULTHEISS, Daniel	(47) 12.08.2020
(47) 12.08.2020	MÜLLER, Christoph	(22) 20.09.2013
(87) US2015056597	(51) G01H 1/00	(54) DEVICES, METHODS, AND
27.04.2017	B64F 5/60	ASSOCIATED INFORMATION
(22) 21.10.2015	G01M 13/028	PROCESSING FOR THE SMART- SENSORED HOME
(54) IN SITU TRANSDUCER CALIBRATION	(11) EP3594641	(73) Google LLC.
(73) Micro Motion, Inc.	(21) EP19185260.7	(72) FADELL, Anthony M.
(72) RENSING, Matthew Joseph	(47) 12.08.2020	ROGERS, Matthew L.
(51) G01F 1/84	(22) 09.07.2019	MATSUOKA, Yoky
G01F 25/00	(54) METHOD FOR ANALYSING A	SLOO, David
(11) EP3196603	VIBRATION SIGNAL FROM A	VERON, Maxine
(21) EP16203405.2	ROTATION OF AT LEAST ONE MOVING	GUENETTE, Isabel I.
(47) 12.08.2020	PART BELONGING TO A ROTATING	HONJO, Shigefumi
(22) 12.12.2016	MECHANISM	(31) 201261704437 P
(54) METHOD FOR OPERATING A	(73) Airbus Helicopters	(32) 21.09.2012
CORIOLIS MASS FLOW METER AND	(72) MOREL, Hervé	(33) United States of America
RELATED CORIOLIS MASS FLOW	RODRIGUEZ, Jonathan	(51) G01J 5/08
METER	(31) 1800739	G01J 5/10
(73) Krohne Messtechnik GmbH	(32) 12.07.2018	G02B 3/08
(72) Kolahi, Kourosh	(33) France	G02B 13/14
Storm, Ralf	(51) G01J 1/02	G02B 27/00
(31) 102016100950	G01J 1/04	H04N 5/33
(32) 20.01.2016	G01J 1/58	(11) EP2697677
(33) Germany	G01V 8/10	(21) EP12724674.2
(51) G01F 23/26	(11) EP2535742	(47) 12.08.2020
(11) EP3182075	(21) EP12171501.5	(87) FR2012050832
(21) EP16204621.3	(47) 12.08.2020	18.10.2012
(47) 12.08.2020	(22) 11.06.2012	(22) 16.04.2012
(22) 16.12.2016	(54) Method for reduction of optical noise	(54) IMAGING SYSTEM COMPRISING A
(54) A WATER LEVEL MONITORING	(73) Rockwell Automation Technologies, Inc.	FRESNEL LENS
METHOD	(72) Leard, Francis Lawrence	(73) Office National d'Etudes et de
(73) Shanghai Kohler Electronics, Ltd.	(31) 201113158286	Recherches Aérospatiales
(72) Sun, Haixing	201113158393	LYNRED
Liu, Wei	201113158290	(72) DRUART, Guillaume
Jiongjun, Xue	(32) 10.06.2011	DE LA BARRIERE, Florence
(31) 201510954794	11.06.2011	CRASTES, Arnaud
(32) 17.12.2015	10.06.2011	(31) 1153222
(33) China	(33) United States of America	(32) 14.04.2011
(51) G01F 23/26	United States of America	(33) France
G01N 27/02	United States of America	(51) G01K 1/00
G01N 27/06	(51) G01J 3/443	G01K 3/14
G01N 33/28	G01N 15/14	G01L 13/00
(11) EP2573525	H01J 49/04	G01L 19/00
(21) EP12181357.0	H01J 49/26	H05K 1/14
(47) 12.08.2020	(11) EP3324423	(11) EP3588043
(22) 22.08.2012	(21) EP17192612.4	(21) EP18315012.7
(54) Oil sensor	(47) 12.08.2020	(47) 12.08.2020
(73) Rolls-Royce plc	(22) 29.03.2005	(22) 28.06.2018
(72) Sinha, Karn	(54) METHOD FOR FLOW CYTOMETRY	(54) FLUID CIRCUIT MONITORING SYSTEM
Davis, Nicholas	LINKED WITH ELEMENTAL ANALYSIS	(73) OVH
(31) 201116173	(73) Fluidigm Corporation	(72) Le Henaff, Guillaume
(32) 20.09.2011	(72) BARANOV, Vladimir I	Hennekinne, Matthieu
(33) United Kingdom	TANNER, Scott D.	Bonenfant, Jules Hermann
(51) G01F 23/284	BANDURA, Dmitry R	Thibaut, Christophe Maurice
G01F 23/296	(31) 555952 P	(51) G01K 7/18
G01S 7/03	(32) 25.03.2004	(11) EP3460430
G01S 7/35	(33) United States of America	(21) EP18791214.2
G01S 13/34	(51) G01J 5/02	(47) 12.08.2020
H03L 7/08	G01J 5/04	(87) JP2018011784
(11) EP3401652	G01J 5/08	01.11.2018
(21) EP17170104.8	G06K 9/00	(22) 23.03.2018
(47) 12.08.2020	G08B 13/193	(54) TEMPERATURE SENSOR AND
	G08B 17/10	TEMPERATURE MEASURING DEVICE

(73) Kyocera Corporation	(11) EP3239682	26.04.2018
(72) MATSUMOTO, Hiroshi	(21) EP17165660.6	(22) 27.09.2017
(31) 2017087325	(47) 12.08.2020	(54) GAS FEED UNIT FOR AN EXHAUST-GAS ANALYSIS UNIT FOR THE MEASUREMENT OF EXHAUST GASES OF INTERNAL COMBUSTION ENGINES
(32) 26.04.2017	(22) 10.04.2017	(73) AVL Emission Test Systems GmbH
(33) Japan	(54) LEAKAGE DETECTION DEVICE AND WATER SYSTEM COMPRISING A LEAKAGE DETECTION DEVICE	(72) DICKOW, Achim
(51) G01K 11/32	(73) Honeywell Technologies Sarl	(31) 102016119713
(11) EP3425357	(72) Weidner, Kurt	(32) 17.10.2016
(21) EP17759805.9	(31) 16167273	(33) Germany
(47) 12.08.2020	(32) 27.04.2016	
(87) JP2017006878	(33) European Patent Office (EPO)	
08.09.2017	(51) G01M 5/00	(51) G01N 1/28
(22) 23.02.2017	B64F 5/60	(11) EP2666005
(54) OPTICAL FIBER TEMPERATURE SENSOR AND METHOD FOR MANUFACTURING SAME	(11) EP3578945	(21) EP12709672.5
(73) Mitsubishi Electric Corporation	(21) EP18195830.7	(47) 12.08.2020
(72) MIYASHITA, Masahiro	(47) 12.08.2020	(87) FI2012050014
SEKINE, Kazushi	(22) 20.09.2018	26.07.2012
(31) 2016041923	(54) METHOD OF FATIGUE TESTING A COMPLEX STRUCTURE	(22) 09.01.2012
(32) 04.03.2016	(73) Bell Helicopter Textron Inc.	(54) METHOD AND DEVICE FOR CUTTING OFF ONE OR MORE SAMPLE REGIONS FROM A SAMPLE CARRIER
(33) Japan	(72) LAPALME, Maxime	(73) WALLAC OY
(51) G01K 17/20	BIRON, Guillaume	(72) ROUTAMAA, Mika Olavi
(11) EP3115761	RUËL, Mathieu	REIVOLAHTI, Jouni Henrik
(21) EP16177633.1	ALTMAN, Leigh	KORPI, Jarmo Sakari
(47) 12.08.2020	(31) 201816004373	TORSTI, Ilari
(22) 01.07.2016	(32) 09.06.2018	LAINNE, Kimmo Sakari
(54) METHOD FOR DETERMINING A THERMAL DIAGNOSIS OF A BUILDING	(33) United States of America	(31) 20115057
(73) COMAP	(51) G01M 11/02	201161434935 P
(72) SUIRE, Adrien	(11) EP2936109	(32) 21.01.2011
BEAUPERE, Claire	(21) EP13831830.8	21.01.2011
BERGER, Sébastien	(47) 12.08.2020	(33) Finland
(31) 1556383	(87) FR2013053197	United States of America
(32) 06.07.2015	24.07.2014	
(33) France	(22) 19.12.2013	(51) G01N 1/30
(51) G01L 3/14	(54) METHOD FOR CHECKING THE COMPLIANCE OF AN OPTICAL CHARACTERISTIC OF AN OPHTHALMIC LENS AND ASSOCIATED DEVICE	G01N 33/569
(11) EP3507582	(73) Essilor International	C12Q 1/68
(21) EP17767753.1	(72) ALLIONE, Pascal	C12Q 1/6806
(47) 12.08.2020	(31) 1262559	(11) EP2697390
(87) EP2017071833	(32) 21.12.2012	(21) EP12715930.9
08.03.2018	(33) France	(47) 12.08.2020
(22) 31.08.2017	(51) G01M 15/02	(87) EP2012056802
(54) TORQUE SENSOR WITH SEAL MEMBRANE	H05K 9/00	29.11.2012
(73) SENSODRIVE GmbH	G01M 13/025	(22) 13.04.2012
(72) HAEHNLE, Matthias	(11) EP3465126	(54) AUTOMATED DETECTION OF CIRCULATING TUMOR CELLS
SPORER, Norbert	(21) EP17729812.2	(73) Siemens Healthcare GmbH
GRANDL, Michael	(47) 12.08.2020	(72) FRIEDRICH, Katja
SATTLER, Mathias	(87) EP2017062858	BANGERT, Joachim
(31) 102016010552	07.12.2017	GUMBRECHT, Walter
(32) 31.08.2016	(22) 29.05.2017	HILTAWSKY, Karsten
(33) Germany	(54) DEVICE AND METHOD FOR CHECKING A COMPONENT FOR THE EXISTENCE OF A PREDETERMINED TARGET CONDITION	PAULICKA, Peter
(51) G01L 7/16	(73) Huellmandel, Steven	STANZEL, Manfred
G01L 9/00	(72) Huellmandel, Steven	(31) 102011076221
G01L 13/00	(31) 102016110243	(32) 20.05.2011
(11) EP3336501	(32) 02.06.2016	(33) Germany
(21) EP17206891.8	(33) Germany	(51) G01N 11/00
(47) 12.08.2020	(51) G01M 15/10	G01N 11/14
(22) 13.12.2017	(11) EP3526577	G01P 3/36
(54) DIFFERENTIAL PRESSURE GAUGE	(21) EP17784202.8	G01P 3/80
(73) Gammon Technical Products, Inc.	(47) 12.08.2020	G02B 27/48
(72) Gammon, James H.	(87) EP2017074500	(11) EP3026438
(31) 201662433288 P		(21) EP14828960.6
(32) 13.12.2016		(47) 12.08.2020
(33) United States of America		(87) JP2014067526
(51) G01L 9/00		29.01.2015
G01M 3/28		(22) 01.07.2014



(54) ROTATIONAL SPEED DETECTION DEVICE AND METHOD	G01N 21/3504 (11) EP3561488	(32) 25.06.2015 (33) United States of America
(73) Kyoto Electronics Manufacturing Co., Ltd.	(21) EP19163925.1	(51) G01N 27/04
(72) YASUDA Masanori SAKAI Keiji	(47) 12.08.2020 (22) 20.03.2019	G01N 27/12 (11) EP3346263
(31) 2013152446	(54) GAS ANALYZER	(21) EP18150648.6
(32) 23.07.2013	(73) Yokogawa Electric Corporation	(47) 12.08.2020
(33) Japan	(72) MATSUO, Junichi	(22) 08.01.2018
(51) G01N 11/16	(31) 201862662231 P	(54) BIOSENSOR DEVICE
G01N 21/59	201916284906	(73) Mobiosense Corp.
G01N 21/82	(32) 25.04.2018	(72) LIN, Chih-Ting
G01N 33/49	25.02.2019	CHEN, Yu-Hao
(11) EP3234596	(33) United States of America	CHOU, Sheng-Yeh
(21) EP15825613.1	United States of America	(31) 106100612
(47) 12.08.2020	(51) G01N 21/17	(32) 09.01.2017
(87) FR2015053399	(11) EP3527967	(33) Taiwan, Province of China
23.06.2016	(21) EP19157895.4	(51) G01N 27/30
(22) 09.12.2015	(47) 12.08.2020	G01N 27/333
(54) METHOD AND DEVICE FOR DETERMINING THE COAGULATION TIME OF A BLOOD SAMPLE, AND REACTION VESSEL	(22) 19.02.2019	G01N 27/36
(73) Diagnostica Stago	(54) ACOUSTO-OPTIC DETECTOR WITH OPTO-MECHANICAL COUPLING	(11) EP3309541
(72) ROUSSEAU, Alain	(73) Commissariat à l'énergie atomique et aux énergies alternatives	(21) EP16193653.9
BRUTT, Norbert	(72) DURAFFOURG, Laurent	(47) 12.08.2020
GUYON, Bertrand	LABEYE, Pierre	(22) 13.10.2016
(31) 1462423	TAUREL, Boris	(54) MEASURING ELEMENT FOR AN ION-SENSITIVE SOLID CONTACT ELECTRODE AND ION-SENSITIVE SOLID CONTACT ELECTRODE
(32) 15.12.2014	(31) 1851405	(73) Mettler-Toledo GmbH
(33) France	(32) 19.02.2018	(72) Rutz, Andreas
(51) G01N 15/14	(33) France	Limon Petersen, Juan
G02B 21/36	(51) G01N 21/76	(51) G01N 27/30
G06K 9/00	G01N 33/58	G01N 27/333
(11) EP2758765	G01N 33/68	G01N 27/36
(21) EP12787492.3	(11) EP3213056	(11) EP3526593
(47) 12.08.2020	(21) EP15855907.0	(21) EP17788180.2
(87) IB2012001857	(47) 12.08.2020	(47) 12.08.2020
28.03.2013	(87) US2015057848	(87) EP2017076165
(22) 24.09.2012	06.05.2016	19.04.2018
(54) OPTICAL PLATELET COUNTER METHOD	(22) 28.10.2015	(22) 13.10.2017
(73) FOCE Technology International B.V.	(54) METHODS FOR THE RAPID PREPARATION OF LABELED GLYCOSYLAMINES AND FOR THE ANALYSIS OF GLYCOSYLATED BIOMOLECULES PRODUCING THE SAME	(54) MEASURING ELEMENT FOR AN ION-SENSITIVE SOLID CONTACT ELECTRODE AND ION-SENSITIVE SOLID CONTACT ELECTRODE
(72) SCHEMMANN, Marcel	(73) Waters Technologies Corporation	(73) Mettler-Toledo GmbH
O'BRIEN, Thomas	(72) LAUBER, Matthew, A.	(72) LIMON PETERSEN, Juan
DIJKSTRA, Hendrik	BROUSMICHE, Darryl, W.	RUTZ, Andreas
(31) 201161537625 P	KOZA, Stephan, M.	(31) 16193653
(32) 22.09.2011	(31) 201462072747 P	(32) 13.10.2016
(33) United States of America	201562107994 P	(33) European Patent Office (EPO)
(51) G01N 15/14	(32) 30.10.2014	(51) G01N 27/333
H01L 27/146	26.01.2015	G01N 27/36
(11) EP3503193	(33) United States of America	G01N 27/403
(21) EP18213235.7	United States of America	(11) EP3232187
(47) 12.08.2020	(51) G01N 21/952	(21) EP16165559.2
(22) 17.12.2018	(11) EP3109624	(47) 12.08.2020
(54) IMAGE SENSOR, SUITABLE FOR OBTAINING INFORMATION ON THE PHASE OF A LIGHT WAVE	(21) EP16175756.2	(22) 15.04.2016
(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives	(47) 12.08.2020	(54) ELECTROCHEMICAL SENSOR
(72) BENAHMED, Selimen	(22) 22.06.2016	(73) Mettler-Toledo GmbH
BOUTAMI, Salim	(54) SYSTEMS AND METHODS FOR AUTOMATICALLY INSPECTING WIRE SEGMENTS	(72) RUTZ, Andreas
CIONI, Olivier	(73) The Boeing Company	Zwahlen, Daniel
(31) 1762492	(72) RAY, Gary Alan	(51) G01N 27/414
(32) 19.12.2017	NORTHON, Bentley Edwin	G01N 27/416
(33) France	MITCHELL, Bradley J.	(11) EP2956764
(51) G01N 21/15	GILLIS, James Ridgeway	(21) EP14701225.6
G01N 21/27	(31) 201514750447	(47) 12.08.2020
G01N 21/39		(87) EP2014051454
G01N 21/85		31.07.2014

(22) 24.01.2014	(32) 13.05.2008	(22) 25.04.2016
(54) PH VALUE MEASURING DEVICE COMPRISING IN SITU CALIBRATION MEANS	12.09.2008	(54) BIOMARKERS FOR DETERMINING THE CLINICAL RESPONSE TO CELL THERAPY
(73) VEOLIA EAU - COMPAGNIE GENERALE DES EAUX	(33) European Patent Office (EPO) European Patent Office (EPO)	(73) TiGenix, S.A.U.
(72) DE COULON, Yves	(51) G01N 33/483	(72) DE LA ROSA, Olga
BÉRIET, Carine	G01N 33/50	DALEMANS, Wilfried
LEMOINE, Cyrille	G01N 33/566	(31) 15382206
(31) 1350666	G01N 23/20	(32) 24.04.2015
(32) 25.01.2013	(11) EP3237906	(33) European Patent Office (EPO)
(33) France	(21) EP15874284.1	(51) G01N 33/50
(51) G01N 27/62	(47) 12.08.2020	G01N 33/574
G01N 33/50	(87) US2015067285	(11) EP3108255
H01J 49/40	30.06.2016	(21) EP15704806.7
(11) EP3504542	(22) 22.12.2015	(47) 12.08.2020
(21) EP17787952.5	(54) ATTACHMENT OF PROTEINS TO INTERFACES FOR USE IN NONLINEAR OPTICAL DETECTION	(87) EP2015053355
(47) 12.08.2020	(73) Biodesy, Inc.	27.08.2015
(87) IB2017055175	(72) SALAFSKY, Joshua	(22) 18.02.2015
08.03.2018	(31) 201462096334 P	(54) METHODS AND PHARMACEUTICAL COMPOSITIONS FOR THE TREATMENT OF DISEASES MEDIATED BY THE NRP-1/OBR COMPLEX SIGNALING PATHWAY
(22) 29.08.2017	(32) 23.12.2014	(73) INSERM (Institut National de la Santé et de la Recherche Médicale)
(54) A METHOD FOR CHARACTERIZING POLYSACCHARIDES	(33) United States of America	Université Paris Descartes
(73) Ecole Polytechnique Federale de Lausanne (EPFL)	(51) G01N 33/487	Fondation Imagine
Indiana University Research & Technology Corporation	(11) EP3105584	Assistance Publique-Hôpitaux de Paris (APHP)
(72) RIZZO, Thomas	(21) EP15705574.0	Centre National de la Recherche Scientifique (CNRS)
MASELLIS, Chiara	(47) 12.08.2020	Université Grenoble Alpes
KAMRATH, Michael Zachary	(87) EP2015053042	Commissariat à l'Energie Atomique et aux Energies Alternatives
CLEMMER, David	20.08.2015	Université de Bourgogne
KHANAL, Neelam	(22) 13.02.2015	(72) BELAID-CHOUCAIR, Zakia
(31) PCT/IB2016/055159	(54) MOLECULAR SENSING DEVICE	HERMINE, Olivier
(32) 29.08.2016	(73) Ecole Polytechnique Federale de Lausanne (EPFL)	GARRIDO-FLEURY, Carmen
(33) World Intellectual Property Office (WIPO)	(72) FENG, Jiandong	COCHET, Claude
(51) G01N 27/90	LIU, Ke	FILHOL-COCHET, Odile
G01N 29/04	RADENOVIC, Aleksandra	SEIGNEURIC, Renaud
G01N 29/44	(31) 14155254	(72) BELAID-CHOUCAIR, Zakia
G06F 17/00	14177908	HERMINE, Olivier
(11) EP2330415	(32) 14.02.2014	GARRIDO-FLEURY, Carmen
(21) EP10193325.7	21.07.2014	COCHET, Claude
(47) 12.08.2020	(33) European Patent Office (EPO) European Patent Office (EPO)	FILHOL-COCHET, Odile
(22) 01.12.2010	(51) G01N 33/49	SEIGNEURIC, Renaud
(54) Sequentially fired high dynamic range NDT/NDI inspection device	C12Q 1/6883	(31) 14305220
(73) Olympus NDT, Inc.	G16H 50/20	(32) 18.02.2014
(72) Thomas, Andrew	(11) EP2954071	(33) European Patent Office (EPO)
(31) 629565	(21) EP14749149.2	(51) G01N 33/53
(32) 02.12.2009	(47) 12.08.2020	G01N 33/543
(33) United States of America	(87) US2014015032	G01N 33/574
(51) G01N 29/04	14.08.2014	(11) EP3112868
G01N 29/32	(22) 06.02.2014	(21) EP15755989.9
G01N 29/44	(54) CELL-BOUND COMPLEMENT ACTIVATION PRODUCTS AS DIAGNOSTIC BIOMARKERS FOR PRE- LUPUS	(47) 12.08.2020
(11) EP2279407	(73) Allegheny-Singer Research Institute	(87) JP2015052700
(21) EP09746804.5	(72) AHEARN, Joseph, M.	03.09.2015
(47) 12.08.2020	LIU, Chau-ching	(22) 30.01.2015
(87) NL2009050254	MANZI, Susan, M.	(54) REAGENT FOR DETECTING TARGET SUBSTANCE CONTAINING SUGAR CHAIN, DETECTION METHOD, CARRIER USED IN DETECTION OF TARGET SUBSTANCE CONTAINING SUGAR CHAIN, AND METHOD FOR MANUFACTURING SAID CARRIER
19.11.2009	(31) 201361762620 P	(73) Sysmex Corporation
(22) 13.05.2009	(32) 08.02.2013	(72) TSURUNO, Chikayuki
(54) ULTRASONIC MODELLING	(33) United States of America	NAGAI, Shinya
(73) Nederlandse Organisatie voor toegepast- natuurwetenschappelijk onderzoek TNO	(51) G01N 33/50	TERAO, Minako
(72) VOLKER, Arno Willem Frederik	A61K 35/28	MIZUTA, Chika
MAST, Arjan	(11) EP3286562	KYOUTOU, Takuya
BLOOM, Joost, Gerardus, Petrus	(21) EP16722548.1	(31) 2014036777
VAN BEEK, Pieter, Jacobus, Gijsbertus	(47) 12.08.2020	2015002865
(31) 08156074	(87) EP2016059196	
08164292	27.10.2016	

(32) 27.02.2014 09.01.2015	DIABETES BY SERUM PROTEIN BIOMARKERS	06.03.2015 06.03.2015
(33) Japan	(73) Turun yliopisto	09.09.2015
Japan	(72) Moulder, Robert	16.10.2015
(51) G01N 33/53	Bhosale, Santosh	(33) United Kingdom
G01N 33/564	Goodlett, David	United Kingdom
(11) EP3391047	Lähdesmäki, Harri	United Kingdom
(21) EP16819310.0	Simell, Olli	United Kingdom
(47) 12.08.2020	Lahesmaa, Riitta	United Kingdom
(87) EP2016081141	(31) 20140186	United Kingdom
22.06.2017	(32) 18.06.2014	United Kingdom
(22) 15.12.2016	(33) Finland	United Kingdom
(54) T-CELL REACTIVITY PLATFORM	(51) G01N 33/68	United Kingdom
(73) TCER AB	(11) EP3088900	(51) G01N 33/68
(72) GRÖNLUND, Hans	(21) EP16175468.4	(11) EP3264095
(31) 15200619	(47) 12.08.2020	(21) EP17181088.0
1650493	(22) 17.10.2012	(47) 12.08.2020
(32) 16.12.2015	(54) TROPONIN AS MARKER FOR	(22) 25.01.2013
12.04.2016	INTERMITTENT ATRIAL FIBRILLATION	(54) KIT FOR HEMATOXYLIN AND EOSIN STAINING
(33) European Patent Office (EPO)	(73) F. Hoffmann-La Roche AG	(73) Leica Biosystems Richmond, Inc.
Sweden	(72) HESS, Georg	(72) HANSEN, Stanley, E. MYERS, Russell
(51) G01N 33/533	ZDUNEK, Dietmar	PAUL, Ronald
G01N 33/542	HORSCH, Andrea	RASMUSSEN, Audra
(11) EP3170004	(31) 11185421	TAYLOR, Kate
(21) EP15736411.8	(32) 17.10.2011	(31) 201261591181 P
(47) 12.08.2020	(33) European Patent Office (EPO)	(32) 26.01.2012
(87) EP2015063781	(51) G01N 33/68	(33) United States of America
21.01.2016	(11) EP3265817	(51) G01N 33/80
(22) 18.06.2015	(21) EP16709551.2	(11) EP3548898
(54) A METHOD OF MEASURING	(47) 12.08.2020	(21) EP17807851.5
ANTIBODY CONCENTRATION IN A	(87) GB2016050621	(47) 12.08.2020
SAMPLE	15.09.2016	(87) EP2017080926
(73) Valitacell Limited	(22) 07.03.2016	07.06.2018
(72) THOMPSON, Ben	(54) RAPID EVAPORATIVE IONISATION	(22) 30.11.2017
JAMES, David	MASS SPECTROMETRY ("REIMS")	(54) ANALYSIS OF ANTI-ERYTHROCYTE
CLIFFORD, Jerry	AND DESORPTION ELECTROSPRAY	ANTIBODY IN THE PRESENCE OF
(31) 14177005	IONISATION MASS SPECTROMETRY	ANTIBODY DIRECTED AGAINST A
(32) 15.07.2014	("DESI-MS") ANALYSIS OF SWABS	SURFACE-BOUND ERYTHROCYTE
(33) European Patent Office (EPO)	AND BIOPSY SAMPLES	ANTIGEN
(51) G01N 33/543	(73) Micromass UK Limited	(73) imusyn GmbH & Co. KG
G01N 33/574	(72) TAKÁTS, Zoltán	(72) SCHNEEWEISS, Clemens
G01N 33/74	JONES, Emrys	GRÜGER, Daniela
(11) EP3479119	LANGRIDGE, James Ian	(31) 16201819
(21) EP17739492.1	MORRIS, Michael Raymond	17150738
(47) 12.08.2020	KARANCSI, Tamás	(32) 01.12.2016
(87) EP2017065648	PRINGLE, Steven Derek	09.01.2017
04.01.2018	BALOG, Júlia	(33) European Patent Office (EPO)
(22) 26.06.2017	SIMON, Dániel	European Patent Office (EPO)
(54) METHOD FOR DETECTING AN	GÖDÖRHÁZY, Lajos	(51) G01N 35/00
ANALYTE IN A BODY FLUID SAMPLE	SZALAY, Dániel	G01N 35/04
CONTAINING A PLURALITY OF CELLS	RICHARDSON, Keith	(11) EP3298413
(73) Koninklijke Philips N.V.	BENNETT, Philip Robert	(21) EP16725466.3
(72) VAN ROOSMALEN, Markus, Hendrikus	MACINTYRE, David Alan	(47) 12.08.2020
NIEUWENHUIS, Jeroen, Hans	PRUSKI, Pamela	(87) EP2016061310
VENGE, Per	(31) 201503864	01.12.2016
(31) 16177241	201503877	(22) 19.05.2016
16200668	201503867	(54) METHOD OF OPERATING A
(32) 30.06.2016	201503863	LABORATORY SAMPLE DISTRIBUTION
25.11.2016	201503878	SYSTEM, LABORATORY SAMPLE
(33) European Patent Office (EPO)	201503876	DISTRIBUTION SYSTEM AND
European Patent Office (EPO)	201503879	LABORATORY AUTOMATION SYSTEM
(51) G01N 33/564	201516003	(73) F. Hoffmann-La Roche AG
(11) EP3517958	201518369	(72) MAHMUDIMANESH, Mohammadreza
(21) EP19160490.9	(32) 06.03.2015	BRUNTSCH, Sophia
(47) 12.08.2020	06.03.2015	GARCIA BUSTOS, Soraya
(22) 18.06.2015	06.03.2015	EBNER, Walter
(54) MEANS AND METHODS FOR	06.03.2015	
DETERMINING RISK OF TYPE-1	06.03.2015	

REN, Shubin	(22) 06.06.2016	H03K 17/18
REZA, Mohsin	(54) METHOD AND SYSTEM FOR PARTIAL	G01R 31/40
DIEZ DIAZ-CALONGE, Daniel	DISCHARGE MEASUREMENT ON A	(11) EP2720053
(31) 15168783	POWER CABLE	(21) EP13187535.3
(32) 22.05.2015	(73) Seitz Instruments AG	(47) 12.08.2020
(33) European Patent Office (EPO)	(72) QUAK, Benjamin	(22) 07.10.2013
(51) G01N 35/04	SEITZ, Paul Peter	(54) Fault tolerant fail-safe link
(11) EP3537160	WILD, Manuel	(73) The Boeing Company
(21) EP19171106.8	GULSKI, Edward	(72) Holley, Robert D.
(47) 12.08.2020	(31) 8552015	Lurton, N. Evan
(22) 23.03.2015	(32) 15.06.2015	(31) 201213650285
(54) LABORATORY SAMPLE DISTRIBUTION	(33) Switzerland	(32) 12.10.2012
SYSTEM AND LABORATORY	(51) G01R 31/28	(33) United States of America
AUTOMATION SYSTEM	G01R 31/317	(51) G01R 31/34
(73) F. Hoffmann-La Roche AG	(11) EP3133409	(11) EP2972432
(72) Malinowski, Michal	(21) EP16155860.6	(21) EP14778114.0
Müller, Florian	(47) 12.08.2020	(47) 12.08.2020
Sinz, Achim	(22) 16.02.2016	(87) US2014024584
(51) G01R 1/20	(54) METHODS AND APPARATUS	09.10.2014
G01R 15/14	FOR OPTICAL TRANSCEIVER	(22) 12.03.2014
G01R 15/18	CALIBRATION AND TEST	(54) ALTERNATOR AND STARTER TESTER
G01R 19/00	(73) Juniper Networks, Inc.	WITH CAPACITIVE ELEMENT, ACTIVE
G01R 19/25	(72) MARCOCCIA, Roberto	LOAD CONTROL AND BELT SLIP
(11) EP3529623	SCHMIDT, Theodore John	DETECTION
(21) EP16790714.6	MALOUIN, Christian	(73) Bosch Automotive Service Solutions Inc.
(47) 12.08.2020	SOSNOWSKI, George R	Robert Bosch GmbH
(87) IB2016056323	(31) 201514829536	(72) CHINNADURAI, Manokar
26.04.2018	(32) 18.08.2015	MILLER, Garret
(22) 21.10.2016	(33) United States of America	(31) 201313797088
(54) DEVICE AND METHOD FOR	(51) G01R 31/28	201313826172
MEASURING ELECTRICAL CURRENT	G05B 19/042	201361791438 P
IN AN ELECTRICAL CONDUCTOR	G05B 19/05	(32) 12.03.2013
(73) Qoitech AB	G05B 23/02	14.03.2013
(72) KLINGHULT, Gunnar	(11) EP3404501	15.03.2013
ROSQVIST, Björn	(21) EP18172011.1	(33) United States of America
AGARDH, Kåre	(47) 12.08.2020	United States of America
(51) G01R 15/20	(22) 14.05.2018	United States of America
(11) EP3093672	(54) SAFETY INPUT SYSTEM FOR	(51) G01R 31/367
(21) EP15167049.4	MONITORING A SENSOR IN AN	G01R 31/3842
(47) 12.08.2020	INDUSTRIAL AUTOMATION SYSTEM	G01R 31/389
(22) 09.05.2015	(73) Rockwell Automation Asia Pacific	(11) EP3123185
(54) CURRENT TRANSDUCER WITH	Business center Pte. Ltd.	(21) EP15707574.8
INTEGRATED PRIMARY CONDUCTOR	(72) KOH, Kian Kiat	(47) 12.08.2020
BAR	(31) 201715595151	(87) EP2015053567
(73) LEM International SA	(32) 15.05.2017	01.10.2015
(72) Labbe, Arnaud	(33) United States of America	(22) 20.02.2015
(51) G01R 19/25	(51) G01R 31/28	(54) ELECTRONIC BATTERY SENSOR
H02K 11/20	H04M 1/24	AND METHOD FOR DETERMINING
H02P 21/14	H04M 3/28	AN INTERNAL RESISTANCE OF A
G01R 31/34	(11) EP3462197	BATTERY
(11) EP3109651	(21) EP17194051.3	(73) Robert Bosch GmbH
(21) EP16176247.1	(47) 12.08.2020	(72) KIZLER, Joachim
(47) 12.08.2020	(22) 29.09.2017	MOTZ, Juergen
(22) 24.06.2016	(54) INTEGRATED CIRCUIT CARD TEST	SCHOCH, Eberhard
(54) METHOD FOR DETERMINING	UNIT, TEST SYSTEM AS WELL AS	KOENIGSMANN, Martin, Holger
AT LEAST ONE PARAMETER OF	METHOD FOR TESTING A DEVICE	(31) 102014205495
AN ELECTRIC MACHINE AND	UNDER TEST	(32) 25.03.2014
FREQUENCY CONVERTER	(73) Rohde & Schwarz GmbH & Co. KG	(33) Germany
(73) Lenze Automation GmbH	(72) Hoetzel, Felix	(51) G01R 33/34
(72) Düsterberg, Dirk	Brunnbauer, Roland	G01R 33/3415
(31) 102015211860	(51) G01R 31/327	G01R 33/36
(32) 25.06.2015	H02H 3/04	(11) EP3049817
(33) Germany	H02H 3/05	(21) EP14784287.6
(51) G01R 31/08	H02H 3/08	(47) 12.08.2020
(11) EP3106888	H02H 3/20	(87) FR2014052272
(21) EP16173059.3	H02H 7/122	02.04.2015
(47) 12.08.2020	H02H 7/22	(22) 12.09.2014
	H02H 11/00	

(54) RADIO-FREQUENCY ANTENNA SYSTEM BASED ON MODE HYBRIDISATION FOR A NUCLEAR MAGNETIC RESONANCE DEVICE	(21) EP17716525.5 (47) 12.08.2020 (87) EP2017058458 19.10.2017	WLAN POSITIONING SYSTEM BY SELECTING THE BEST WLAN-PS SOLUTION
(73) Centre National de la Recherche Scientifique (CNRS)	(22) 07.04.2017	(73) Skyhook Wireless, Inc. (72) ALIZADEH-SHABDIZ, Farshid
(72) ABDEDDAIM, Mohamed Redha JOUVAUD, Camille LARRAT, Benoît DEROSNY, Julien TANTER, Mickael FINK, Mathias	(54) METHOD FOR DETECTING A FAULT IN AN ELECTRICITY METER INCLUDING A BREAKING UNIT	(31) 59580 P (32) 06.06.2008 (33) United States of America
(31) 1359369 (32) 27.09.2013 (33) France	(73) Sagemcom Energy & Telecom SAS (72) TEBOULLE, Henri GRINCOURT, Christophe	(51) G01S 7/00 G01S 7/493 G01S 17/89
(51) G01R 33/3875 G01R 33/48 G01R 33/54 G01R 33/565 G01R 33/58	(31) 1653232 (32) 12.04.2016 (33) France	(11) EP3351958 (21) EP17206589.8 (47) 12.08.2020 (22) 12.12.2017
(11) EP2646843 (21) EP11837301.8 (47) 12.08.2020 (87) IB2011055268 07.06.2012	(51) G01S 3/46 G01S 5/00 G01S 5/08 G08G 5/00 G01S 5/02	(54) OBJECT POSITION DETECTION APPARATUS
(22) 24.11.2011	(11) EP2799895	(73) Hitachi-LG Data Storage, Inc.
(54) MR IMAGING USING A MULTI-POINT DIXON TECHNIQUE	(21) EP14160782.0 (47) 12.08.2020 (22) 19.03.2014	(72) MASUDA, Kozo (31) 2017007484 (32) 19.01.2017 (33) Japan
(73) Koninklijke Philips N.V. (72) SIMONETTI, Arjan Willem HERIGAULT, Gwenael Henri BOERNERT, Peter	(54) Device and system using angle of arrival measurements for ads-b authentication and navigation	(51) G01S 7/288 G01S 7/292
(31) 10193467 (32) 02.12.2010 (33) European Patent Office (EPO)	(73) The Boeing Company (72) Murphy, Timothy Allen Harris, William Matthew	(11) EP3170017 (21) EP15727120.6 (47) 12.08.2020 (87) US2015030334 21.01.2016
(51) G01R 33/483 G01R 33/561	(31) 201313875749 (32) 02.05.2013 (33) United States of America	(22) 12.05.2015 (54) IMPROVED SIGNAL DETECTION AND CHARACTERIZATION
(11) EP3276367 (21) EP17178668.4 (47) 12.08.2020 (22) 29.06.2017	(51) G01S 5/00 H04B 7/06 H04B 7/08 H04W 64/00 G01S 5/02 H04B 17/27 H04B 17/318 H04B 7/04	(73) Raytheon Company (72) WILSON, David Brent SAVAGE, Lee M. DIRZO, Loyra G.
(54) MULTI-CONTRAST SIMULTANEOUS MULTISLICE MAGNETIC RESONANCE IMAGING WITH BINOMIAL RADIO-FREQUENCY PULSES	(11) EP3319242 (21) EP16821583.8 (47) 12.08.2020 (87) KR2016007076 12.01.2017	(31) 201414332920 (32) 16.07.2014 (33) United States of America
(73) Siemens Healthcare GmbH (72) Zeller, Mario Bhat, Himanshu	(22) 30.06.2016 (54) DEVICE AND METHOD FOR BEAM FORMING FOR ESTIMATING DIRECTION OF TERMINAL	(51) G01S 7/292 G01S 13/42 G01S 13/44 G01S 13/58 G01S 13/931
(31) 201615218388 (32) 25.07.2016 (33) United States of America	(73) SK Telecom Co., Ltd. (72) PARK, Haesung CHOI, Changsoon	(11) EP2944977 (21) EP15164908.4 (47) 12.08.2020 (22) 23.04.2015
(51) G01R 33/483 G01R 33/561 G01R 33/565	(31) 20150095511 (32) 03.07.2015 (33) Korea (Republic)	(54) RADAR SYSTEM WITH IMPROVED MULTI-TARGET DISCRIMINATION
(11) EP2831611 (21) EP13723956.2 (47) 12.08.2020 (87) IB2013052250 03.10.2013	(73) Aptiv Technologies Limited (72) Arage, Alebel H.	(31) 201414277894 (32) 15.05.2014 (33) United States of America
(22) 21.03.2013	(51) G01S 5/02 G01S 19/34 G01S 19/46 G01S 19/48	(51) G01S 7/41 G01S 13/34 G01S 13/72 G01S 13/931
(54) THROUGH-PLANE NAVIGATOR	(11) EP2283641 (21) EP09759575.5 (47) 12.08.2020 (87) US2009046504 10.12.2009	(11) EP3175256 (21) EP15742252.8 (47) 12.08.2020 (87) EP2015067105 04.02.2016
(73) Koninklijke Philips N.V. (72) LIN, Wei	(22) 05.06.2009	(22) 27.07.2015
(31) 201261615508 P (32) 26.03.2012 (33) United States of America	(54) METHOD AND SYSTEM FOR DETERMINING LOCATION USING A HYBRID SATELLITE AND	(54) METHOD FOR CLASSIFYING AN OBJECT IN AN AREA SURROUNDING A MOTOR VEHICLE, DRIVER
(51) G01R 35/04 (11) EP3443366		

ASSISTANCE SYSTEM AND MOTOR VEHICLE	(51) G01S 7/521 G10K 9/22	(73) Koninklijke Philips N.V.
(73) Valeo Schalter und Sensoren GmbH	(11) EP2909831	(72) PROKSA, Roland
(72) MALIK, Waqas	(21) EP13774685.5	(31) 17163089
(31) 102014110667	(47) 12.08.2020	(32) 27.03.2017
(32) 29.07.2014	(87) EP2013071317	(33) European Patent Office (EPO)
(33) Germany	24.04.2014	
(51) G01S 7/48	(22) 11.10.2013	(51) G01T 1/02
G02B 26/10	(54) ULTRASONIC SENSOR DEVICE	(11) EP3185044
G01S 17/10	HAVING A STIFFENING UNIT,	(21) EP16204963.9
(11) EP3350614	ASSEMBLY, MOTOR VEHICLE, AND	(47) 12.08.2020
(21) EP16774759.1	METHOD FOR PRODUCING AN	(22) 19.12.2016
(47) 12.08.2020	ASSEMBLY	(54) DOSIMETER DEVICE
(87) US2016052244	(73) Valeo Schalter und Sensoren GmbH	(73) Dosilab AG
23.03.2017	Volkswagen Aktiengesellschaft	(72) GINDRAUX, Loys
(22) 16.09.2016	(72) WEHLING, Hans-Wilhelm	FURLAN, Miha
(54) IMPLEMENTATION OF THE FOCAL PLANE 2D APD ARRAY FOR HYPERION LIDAR SYSTEM	WEYLAND, Joerg	GODART, Frédéric
(73) Qualcomm Incorporated	WEBER, Natalie	(31) 18992015
(72) SLOBODYANYUK, Volodimir	(31) 102012109838	(32) 22.12.2015
ARABI, Karim	(32) 16.10.2012	(33) Switzerland
GOUSEV, Evgeni	(33) Germany	
(31) 201562220777 P	(51) G01S 13/935	(51) G01V 1/28
201615266618	(11) EP3312631	G01V 1/38
(32) 18.09.2015	(21) EP17204800.1	G01V 3/15
15.09.2016	(47) 12.08.2020	(11) EP3227728
(33) United States of America	(22) 10.12.2012	(21) EP14907567.3
United States of America	(54) A ROTORCRAFT WITH AN OBSTACLE AND TERRAIN WARNING RADAR SYSTEM	(47) 12.08.2020
(51) G01S 7/481	(73) AIRBUS HELICOPTERS	(87) SE2014051428
G01S 17/42	DEUTSCHLAND GmbH	09.06.2016
G01S 17/89	(72) KREITMAIR, Wolfgang	(22) 01.12.2014
(11) EP3581958	SCHEIBLHOFER, Richard	(54) A SYSTEM AND METHOD FOR SEA BED SURVEYING
(21) EP19175129.6	(51) G01S 19/07	(73) Subvision AB
(47) 12.08.2020	G01S 19/41	(72) GUNNARSSON, Per
(22) 17.05.2019	G01S 19/44	KRÖLING, Olle
(54) OPTOELECTRONIC SENSOR AND METHOD FOR RECORDING THREE-DIMENSIONAL IMAGE DATA	(11) EP3430437	(51) G01V 1/30
(73) SICK AG	(21) EP17767201.1	(11) EP3470885
(72) Marra, Martin	(47) 12.08.2020	(21) EP18206878.3
Gimpel, Hartmut	(87) US2017021738	(47) 12.08.2020
(31) 102018113848	21.09.2017	(22) 03.11.2008
(32) 11.06.2018	(22) 10.03.2017	(54) METHOD OF PROCESSING SEISMIC IMAGES OF THE SUBSURFACE
(33) Germany	(54) NAVIGATION SATELLITE WIDE-LANE BIAS DETERMINATION SYSTEM AND METHOD	(73) Total SA
(51) G01S 7/521	(73) Deere & Company	(72) KESKES, Noomane
G01S 15/06	(72) ZHANG, Yujie	GUILLON, Sébastien
G01S 15/10	DAI, Liwen L.	DUNAND, Jean-Pierre
G01V 1/00	CHEN, Yiqun	(31) 0707794
G10K 11/34	(31) 201662310545 P	(32) 01.12.2007
H04M 3/56	201715448457	(33) France
H04R 1/40	(32) 18.03.2016	(51) G01V 3/10
H04R 3/00	02.03.2017	(11) EP2657726
H04R 3/12	(33) United States of America	(21) EP13001618.1
(11) EP2661905	United States of America	(47) 12.08.2020
(21) EP12700525.4	(51) G01T 1/00	(22) 28.03.2013
(47) 12.08.2020	G21K 1/02	(54) Electromagnetic conductivity measurement system with improved drift correction
(87) IB2012050007	G21K 4/00	(73) Forschungszentrum Jülich GmbH
12.07.2012	(11) EP3602576	(72) Mester, Achim
(22) 02.01.2012	(21) EP18718707.5	Zimmermann, Egon
(54) AN AUDIO SYSTEM AND METHOD OF OPERATION THEREFOR	(47) 12.08.2020	Van Der Kruk, Jan
(73) Koninklijke Philips N.V.	(87) EP2018057828	Glaas, Walter
(72) PANDHARIPANDE, Ashish Vijay	04.10.2018	Berwix, Joachim
SRINIVASAN, Sriram	(22) 27.03.2018	Wolters, Bernd
(31) 11150153	(54) DETECTOR ARRANGEMENT FOR AN X-RAY PHASE CONTRAST SYSTEM AND METHOD FOR X-RAY CONTRAST IMAGING	(31) 102012008194
(32) 05.01.2011		(32) 26.04.2012
(33) European Patent Office (EPO)		(33) Germany
		(51) G01W 1/00
		G01W 1/12
		(11) EP2817663

(21) EP13705496.1	(22) 04.12.2018	(11) EP3036573
(47) 12.08.2020	(54) REMOTE OPTICAL AMPLIFIERS POWERED BY SCATTERED LIGHT	(21) EP14755100.6
(87) EP2013053589	(73) The Boeing Company	(47) 12.08.2020
29.08.2013	(72) HILLER, Nathan D	(87) EP2014068010
(22) 22.02.2013	(31) 201715849391	05.03.2015
(54) SYSTEM AND METHOD FOR THE THREE-DIMENSIONAL MAPPING OF THE CLOUDINESS OF THE SKY	(32) 20.12.2017	(22) 25.08.2014
(73) Reuniwatt	(33) United States of America	(54) RUGGEDIZED FIBER OPTIC CONNECTORS AND CONNECTION SYSTEMS
(72) SCHMUTZ, Nicolas	(51) G02B 6/12	(73) CommScope Connectivity Belgium BVBA
(31) 1251700	(11) EP2976666	(72) VAN BAELEN, David Jan Irma
(32) 24.02.2012	(21) EP14715459.5	DIEPSTRATEN, Patrick Jacques Ann
(33) France	(47) 12.08.2020	COENEGRACHT, Philippe
(51) G02B 5/00	(87) NL2014050171	(31) 201361869672 P
(11) EP3489726	25.09.2014	201461971967 P
(21) EP19150655.9	(22) 20.03.2014	201461973677 P
(47) 12.08.2020	(54) INTEGRATED PHOTONIC COMPONENT AND METHOD	(32) 24.08.2013
(22) 18.06.2012	(73) EFFECT Photonics B.V.	28.03.2014
(54) AN EMERGENCY VISION APPARATUS FOR COCKPIT	(72) DOCTER, Boudewijn	01.04.2014
(73) Werjefelt, Bertil R.L.	(31) 13160178	(33) United States of America
Werjefelt, Alexander, K.	(32) 20.03.2013	United States of America
Werjefelt, Christian	(33) European Patent Office (EPO)	United States of America
(72) Werjefelt, Bertil R.L.	(51) G02B 6/122	(51) G02B 6/38
Werjefelt, Alexander, K.	H04B 10/70	G02B 6/44
Werjefelt, Christian	(11) EP3081968	(11) EP2783247
(31) 201113166419	(21) EP15163970.5	(21) EP12808559.4
(32) 22.06.2011	(47) 12.08.2020	(47) 12.08.2020
(33) United States of America	(22) 17.04.2015	(87) US2012066271
(51) G02B 5/10	(54) PHOTONIC SYSTEM	30.05.2013
G02B 7/182	(73) Hitachi, Ltd.	(22) 21.11.2012
G02B 7/198	(72) Brossard, Frederic	(54) ENCLOSURE-LESS FIBER OPTIC TERMINALS
G03B 21/14	Mar, Jonathan	(73) Opterna Technology Limited
G03B 21/28	(51) G02B 6/35	(72) MATHEW, Biji
(11) EP3351979	G02F 1/01	SANITH, Sudhakaran K.
(21) EP16846068.1	G02F 1/09	SUBHASH, Thanathalil Kumaran
(47) 12.08.2020	G02F 1/31	MURALEEDHARAN, Mukund
(87) JP2016069064	H04J 14/02	ALIKUNJU, Basheer A.
23.03.2017	H04B 10/2507	SARASAN, Benoy
(22) 28.06.2016	(11) EP3266132	PAILY, Babu Adukail
(54) REFLECTING MIRROR AND MIRROR HOLDING MECHANISM	(21) EP16759264.1	(31) 201113300727
(73) Nittoh Inc.	(47) 12.08.2020	(32) 21.11.2011
(72) YAMAGUCHI, Takashi	(87) US2016018591	(33) United States of America
(31) 2015184632	09.09.2016	(51) G02B 6/44
(32) 18.09.2015	(22) 19.02.2016	(11) EP2275848
(33) Japan	(54) OPTICAL ARRANGEMENT FOR MANAGING DIVERSITY AND ISOLATION BETWEEN PORTS IN A WAVELENGTH SELECTIVE SWITCH	(21) EP10190349.0
(51) G02B 5/20	(73) Nistica, Inc.	(47) 12.08.2020
(11) EP3469406	(72) WAGENER, Jefferson, L.	(22) 01.09.2004
(21) EP16734563.6	SOCCOLICH, Carl, Edmund	(54) FIBER OPTIC CABLE AND FURCATION MODULE
(47) 12.08.2020	ISHIKAWA, Takaaki	(73) Commscope Technologies LLC
(87) EP2016063174	(31) 201514636479	(72) Zimmel, Steven C.
14.12.2017	(32) 03.03.2015	(31) 658802
(22) 09.06.2016	(33) United States of America	(32) 08.09.2003
(54) OPTICAL FILTER AND METHOD OF MANUFACTURING AN OPTICAL FILTER	(51) G02B 6/38	(33) United States of America
(73) Fieldpoint (Cyprus) Ltd.	(11) EP2960695	(51) G02B 6/44
(72) KORUGA, Djuro	(21) EP14173783.3	E21B 47/12
(51) G02B 6/036	(47) 12.08.2020	(11) EP2758820
G02B 6/255	(22) 24.06.2014	(21) EP12774941.4
G02B 6/42	(54) Connector for a cable and connector assembly	(47) 12.08.2020
H01S 3/067	(73) TE Connectivity Nederland B.V.	(87) EP2012068270
H04B 10/29	(72) Dieduksman, Andreas Winandus Drijfhout, Tekke	28.03.2013
H04B 10/80	Dendas, Freddy Jean Phillip	(22) 17.09.2012
(11) EP3503315	(51) G02B 6/38	(54) OPTICAL FIBRE CABLE
(21) EP18210121.2		(73) NKT Photonics GmbH
(47) 12.08.2020		(72) KURTSCHIED, Friedhelm HILL, Wieland FROMME, Martin

(31) 102011113683	(72) HAYASHI, Yuki	(54) METHOD AND APPARATUS FOR PROVIDING MONO-VISION IN MULTI-VIEW SYSTEM
(32) 20.09.2011	(31) 2016134283	(73) InterDigital Madison Patent Holdings
(33) Germany	(32) 06.07.2016	(72) QIN, Peng
(51) G02B 7/02	(33) Japan	SHANGGUAN, Sinan
G03B 17/12	(51) G02B 27/00	DU, Lin
(11) EP3355113	G02B 27/01	(51) G02B 27/01
(21) EP16848993.8	(11) EP2630541	G02B 27/14
(47) 12.08.2020	(21) EP11815630.6	G02F 1/13357
(87) KR2016010660	(47) 12.08.2020	(11) EP3243099
30.03.2017	(87) IB2011055824	(21) EP16735373.9
(22) 23.09.2016	26.04.2012	(47) 12.08.2020
(54) CAMERA MODULE	(22) 20.12.2011	(87) US2016012379
(73) LG Innotek Co., Ltd.	(54) METHODS AND SYSTEMS FOR CREATING FREE SPACE REFLECTIVE OPTICAL SURFACES	14.07.2016
(72) AN, Myoung Jin	(73) Lockheed Martin Corporation	(22) 06.01.2016
LEE, Chul Ho	(72) HARRISON, Gregory A.	(54) HEAD MOUNTED IMAGING APPARATUS WITH OPTICAL COUPLING
CHOI, Jong Cheol	SMITH, David Alan	(73) Vuzix Corporation
HWANG, Sun Min	WIESE, Gary E.	(72) SCHULTZ, Robert J.
(31) 20150135296	(31) 201113211389	(31) 201562100346 P
20150135297	201061427530 P	(32) 06.01.2015
(32) 24.09.2015	(32) 17.08.2011	(33) United States of America
24.09.2015	28.12.2010	(51) G02B 27/01
(33) Korea (Republic)	(33) United States of America	G06K 9/00
Korea (Republic)	United States of America	G08B 21/02
(51) G02B 13/04	(51) G02B 27/00	G06T 7/70
G02B 13/18	G02B 27/01	(11) EP3435346
G02B 15/20	G03B 35/08	(21) EP16895537.5
(11) EP3015896	G03B 35/18	(47) 12.08.2020
(21) EP14818229.8	G03B 37/04	(87) JP2016088186
(47) 12.08.2020	G06F 3/01	28.09.2017
(87) JP2014065752	G06F 3/0481	(22) 21.12.2016
31.12.2014	H04N 19/124	(54) SPECTACLE-TYPE WEARABLE TERMINAL, AND CONTROL METHOD AND CONTROL PROGRAM FOR SAME
(22) 13.06.2014	H04N 19/162	(73) NEC Corporation
(54) ZOOM LENS SYSTEM	H04N 19/167	(72) KITADA, Masato
(73) Ricoh Imaging Company, Ltd.	H04N 19/17	KAMEI, Akira
(72) OHISHI, Takahiko	H04N 19/597	(31) 2016058025
(31) 2013136070	H04N 13/161	(32) 23.03.2016
(32) 28.06.2013	H04N 13/243	(33) Japan
(33) Japan	H04N 13/279	(51) G02B 27/01
(51) G02B 19/00	H04N 13/282	G09G 5/00
G02B 27/09	H04N 13/344	(11) EP3230693
F21S 41/141	H04N 13/383	(21) EP15869466.1
F21S 41/20	G02B 30/34	(47) 12.08.2020
F21S 41/24	(11) EP3130143	(87) IL2015051206
F21S 41/32	(21) EP15777524.8	23.06.2016
F21S 41/63	(47) 12.08.2020	(22) 13.12.2015
F21S 43/20	(87) FI2015050184	(54) VISUAL PERCEPTION ENHANCEMENT OF DISPLAYED COLOR SYMBOLOGY
F21S 43/31	15.10.2015	(73) Elbit Systems Ltd.
(11) EP3502551	(22) 19.03.2015	(72) BENESH, Gil
(21) EP18213691.1	(54) STEREO VIEWING	OPHIR, Yoav
(47) 12.08.2020	(73) Nokia Technologies Oy	(31) 23624314
(22) 18.12.2018	(72) GRÖNHOLM, Kim	(32) 14.12.2014
(54) LIGHTING DEVICE FOR VEHICLES	BALDWIN, Andrew Robert	(33) Israel
(73) Marelli Automotive Lighting Italy S.p.A.	(31) 201406201	(51) G02B 27/64
(72) LOVATO, Piero	(32) 07.04.2014	H04N 5/225
RENARD, Stéphanie	(33) United Kingdom	H04N 5/232
(31) 201700146578	(51) G02B 27/00	(11) EP3522517
(32) 19.12.2017	H04N 13/00	(21) EP19154461.8
(33) Italy	H04N 13/305	(47) 12.08.2020
(51) G02B 26/10	H04N 13/356	(22) 30.01.2019
G02B 27/01	(11) EP2659680	(54) CAMERA MODULE
(11) EP3267237	(21) EP10861310.0	(73) Samsung Electronics Co., Ltd.
(21) EP17177466.4	(47) 12.08.2020	
(47) 12.08.2020	(87) CN2010002193	
(22) 22.06.2017	05.07.2012	
(54) OPTICAL SCANNING DEVICE, PROJECTION DEVICE, AND DISPLAY DEVICE	(22) 29.12.2010	
(73) Ricoh Company, Ltd.		



(72) HWANG, Youngjae BYON, Kwangseok	YANG, Yi	(47) 12.08.2020
(31) 20180011983	(51) G02F 1/133	(22) 09.11.2015
(32) 31.01.2018	G02F 1/1334	(54) DISPLAY DEVICE
(33) Korea (Republic)	G02F 1/1335	(73) LG Electronics Inc.
(51) G02F 1/11	G02F 1/137	(72) Lee, Kyungjoon
G02F 1/35	(11) EP3330785	Lee, Uihyung
G02F 1/365	(21) EP17204627.8	Joung, Juyoung
H01S 3/00	(47) 12.08.2020	Kee, Wondo
H01S 3/10	(22) 30.11.2017	Kim, Minho
H01S 3/13	(54) LIGHT BLOCKING DEVICE AND	Hwang, Woongjoon
H01S 3/23	TRANSPARENT DISPLAY DEVICE	Jeong, Jaeyoon
(11) EP2643904	INCLUDING THE SAME	Kang, Bohee
(21) EP11799381.6	(73) LG Display Co., Ltd.	Han, Manhyuck
(47) 12.08.2020	(72) PARK, Sunyoung	Myeoung, Jiu
(87) EP2011070989	KIM, Kihan	(31) 20140159166
31.05.2012	KIM, Choonghyo	20140159155
(22) 24.11.2011	(31) 20160161203	(32) 14.11.2014
(54) OPTICAL SYSTEMS	(32) 30.11.2016	14.11.2014
(73) Fianium Limited	(33) Korea (Republic)	(33) Korea (Republic)
(72) CLOWES, John Redvers	(51) G02F 1/1333	Korea (Republic)
CODEMARD, Christophe	G02F 1/1335	(51) G02F 1/1335
DUPRIEZ, Pascal	G02F 1/13357	G02F 1/13357
(31) 458561 P	(11) EP3249453	(11) EP3118673
201161444779 P	(21) EP17178690.8	(21) EP15197073.8
201161489241 P	(47) 12.08.2020	(47) 12.08.2020
201161489735 P	(22) 30.04.2012	(22) 30.11.2015
(32) 24.11.2010	(54) DISPLAY	(54) BACKLIGHT UNIT AND DISPLAY
20.02.2011	(73) Sony Corporation	DEVICE
23.05.2011	(72) Fujii, Hiroaki	(73) Samsung Electronics Co., Ltd.
25.05.2011	Mukoyama, Satoshi	(72) PARK, Chun Soon
(33) United States of America	Araki, Soya	LEE, Young Chol
United States of America	Tsuboi, Hisanori	CHAE, Seung Hun
United States of America	Miyake, Hidetomo	CHOI, Sung Ho
United States of America	(31) 2011116243	HA, Hyung Jin
(51) G02F 1/13	(32) 24.05.2011	(31) 20150099282
G02F 1/1335	(33) Japan	(32) 13.07.2015
G02F 1/1347	(51) G02F 1/1333	(33) Korea (Republic)
(11) EP3355105	G09G 3/36	(51) G02F 1/1335
(21) EP17206365.3	(11) EP3316246	G02F 1/1337
(47) 12.08.2020	(21) EP17198001.4	G02F 1/1343
(22) 11.12.2017	(47) 12.08.2020	(11) EP3435148
(54) VIEWING ANGLE SWITCHABLE	(22) 24.10.2017	(21) EP18170932.0
DISPLAY APPARATUS	(54) DISPLAY PANEL AND DISPLAY WALL	(47) 12.08.2020
(73) Coretronic Corporation	(73) AU Optronics Corporation	(22) 04.05.2018
(72) FANG, Chong-Yang	(72) HUANG, Sheng-Miao	(54) LIQUID CRYSTAL DISPLAY
WANG, Wen-Chun	HUANG, Yu-Sheng	(73) Samsung Display Co., Ltd.
CHEN, Ping-Yeng	(31) 105135079	(72) BAE, Kwang Soo
HSU, Hsiung-Chun	(32) 28.10.2016	KIM, Sung Man
LEE, Chien-Hui	(33) Taiwan, Province of China	BANG, Jung Suk
(31) 201710060681	(51) G02F 1/1335	OH, Min Jeong
(32) 25.01.2017	(11) EP3171214	LEE, Bo Ram
(33) China	(21) EP15897380.0	(31) 20170094396
(51) G02F 1/13	(47) 12.08.2020	(32) 25.07.2017
G02F 1/1362	(87) CN2015100199	(33) Korea (Republic)
(11) EP3001242	02.03.2017	(51) G02F 1/1335
(21) EP14878610.6	(22) 31.12.2015	G02F 1/1337
(47) 12.08.2020	(54) ARRAY SUBSTRATE, PREPARATION	H01L 51/50
(87) CN2014070698	METHOD THEREFOR, AND DISPLAY	(11) EP3454113
23.07.2015	DEVICE	(21) EP18173487.2
(22) 16.01.2014	(73) BOE Technology Group Co., Ltd.	(47) 12.08.2020
(54) LIQUID CRYSTAL DISPLAY,	(72) ZHANG, Feng	(22) 22.05.2018
DETECTION METHOD FOR LIQUID	(31) 201510536219	(54) LIGHT-MODULATED QUANTUM DOT
CRYSTAL DISPLAY AND ELECTRONIC	(32) 27.08.2015	COLOR DISPLAY AND METHOD FOR
DEVICE	(33) China	MANUFACTURING THE SAME
(73) Huawei Device Co., Ltd.	(51) G02F 1/1335	(73) Seoul National University R & DB
(72) LI, Xiang	(11) EP3518026	Foundation
WANG, Dongjie	(21) EP19162521.9	(72) LEE, Sin-Doo
		KIM, Se-Um

SUH, Jeng-Hun	(54) HYBRID INTEGRATION USING FOLDED MACH-ZEHNDER MODULATOR ARRAY BLOCK	(11) EP3471391
(31) 20170115786	(21) Huawei Technologies Co., Ltd.	(21) EP17195692.3
(32) 11.09.2017	(72) LIAO, Chunlei	(47) 12.08.2020
(33) Korea (Republic)	CHEN, Morgan	(22) 10.10.2017
(51) G02F 1/1335	SHEN, Xiao A	(54) A CAMERA
G06F 3/041	BAI, Yusheng	(73) Axis AB
G06F 3/042	(31) 201213730497	(72) Ide, Hiroyuki
H01L 27/146	(32) 28.12.2012	(51) G03B 21/00
(11) EP3151095	(33) United States of America	G03B 21/14
(21) EP16194926.8	(51) G03B 3/10	G03B 21/16
(47) 12.08.2020	G03B 13/36	G03B 33/00
(22) 16.10.2014	H02K 35/02	H04N 5/74
(54) AN OPTICAL SENSING ARRAY EMBEDDED IN A DISPLAY AND METHOD FOR OPERATING THE ARRAY	H04N 5/225	H04N 9/31
(73) Samsung Display Co., Ltd.	H04N 5/232	(11) EP3213147
(72) McCARTNEY, Richard I	H05K 1/11	(21) EP15854915.4
(51) G02F 1/1343	H05K 3/34	(47) 12.08.2020
G02F 1/1362	(11) EP3521923	(87) JP2015004849
G02F 1/1368	(21) EP17856696.4	06.05.2016
H01L 21/02	(47) 12.08.2020	(22) 24.09.2015
H01L 21/04	(87) KR2017010607	(54) IMAGE FORMATION UNIT AND IMAGE PROJECTION APPARATUS
H01L 27/12	05.04.2018	(73) Ricoh Company, Ltd.
H01L 27/32	(22) 26.09.2017	(72) MIKAWA, Akihisa
H01L 29/16	(54) LENS DRIVE DEVICE	KUBO, Yoshio
H01L 29/167	(73) LG Innotek Co., Ltd.	FUJIOKA, Tetsuya
H01L 29/40	(72) PARK, Tae Bong	KANAI, Hideo
H01L 29/417	PARK, Sang Ok	MIKUTSU, Yasunari
H01L 29/423	(31) 20160126745	TSUCHIYA, Satoshi
H01L 29/45	20160168532	MASHIMO, Jun
H01L 29/49	20160168533	(31) 2014218418
H01L 29/66	(32) 30.09.2016	(32) 27.10.2014
H01L 29/786	12.12.2016	(33) Japan
H01L 51/52	12.12.2016	(51) G03B 37/04
(11) EP3179518	(33) Korea (Republic)	G06T 3/00
(21) EP16822102.6	Korea (Republic)	G08B 13/196
(47) 12.08.2020	Korea (Republic)	H04N 3/14
(87) CN2016073297	(51) G03B 5/00	H04N 5/232
30.03.2017	H04N 5/232	G06T 7/00
(22) 03.02.2016	(11) EP2984519	(11) EP3018529
(54) THIN-FILM TRANSISTOR AND PREPARATION METHOD THEREFOR, ARRAY SUBSTRATE, AND DISPLAY DEVICE	(21) EP13895168.6	(21) EP15192694.6
(73) BOE Technology Group Co., Ltd.	(47) 12.08.2020	(47) 12.08.2020
(72) HUANG, Yongchao	(87) CN2013084857	(22) 03.11.2015
(31) 201510613414	16.04.2015	(54) IMAGE PROCESSING APPARATUS AND METHOD FOR IMAGE PROCESSING
(32) 23.09.2015	(22) 08.10.2013	(73) Ricoh Company, Ltd.
(33) China	(54) APPARATUS AND METHODS FOR STABILIZATION AND VIBRATION REDUCTION	(72) YOSHIKAWA, Hiromi
(51) G02F 1/1503	(73) SZ DJI Osmo Technology Co., Ltd.	(31) 2014226323
(11) EP3543780	(72) WANG, Mingyu	(32) 06.11.2014
(21) EP18162454.5	WANG, Tao	(33) Japan
(47) 12.08.2020	(51) G03B 15/06	(51) G03F 1/64
(22) 19.03.2018	(11) EP3221745	(11) EP3159739
(54) ELECTROCHROMIC DEVICE AND METHOD OF ITS MANUFACTURING	(21) EP15860087.4	(21) EP16192598.7
(73) OKTOPOLYMER LLC	(47) 12.08.2020	(47) 12.08.2020
(72) PODSHIBYAKIN, Vitaly Alekseevich SHEPELENKO, Evgeny Nikolaevich	(87) SE2015051140	(22) 06.10.2016
(51) G02F 1/225	26.05.2016	(54) A PELLICLE FOR EUV
H04B 10/25	(22) 28.10.2015	(73) Shin-Etsu Chemical Co., Ltd.
(11) EP2923454	(54) A SUPPORT RING FOR MOUNTING OF A SOFT BOX ON A LIGHT SOURCE	(72) HORIKOSHI, Jun
(21) EP13868232.3	(73) Profoto AB	(31) 2015205215
(47) 12.08.2020	(72) BLIXT, Pär	(32) 19.10.2015
(22) 19.03.2018	CARRICK, John	(33) Japan
(54) ELECTROCHROMIC DEVICE AND METHOD OF ITS MANUFACTURING	(31) 1451392	(51) G03G 15/00
(73) OKTOPOLYMER LLC	(32) 19.11.2014	G03G 21/00
(72) PODSHIBYAKIN, Vitaly Alekseevich SHEPELENKO, Evgeny Nikolaevich	(33) Sweden	(11) EP3200025
(51) G02F 1/225	(51) G03B 17/00	(21) EP15843679.0
H04B 10/25	H04N 5/225	(47) 12.08.2020
(11) EP2923454		(87) KR2015003878
(21) EP13868232.3		31.03.2016
(47) 12.08.2020		
(87) CN2013090646		
03.07.2014		
(22) 27.12.2013		

(22) 17.04.2015	(47) 12.08.2020	(51) G04B 31/00
(54) IMAGE FORMING APPARATUS	(22) 13.03.2013	G04B 31/02
(73) Hewlett-Packard Development Company, L.P.	(54) Developing device and image forming apparatus	(11) EP2450759
(72) SONG, Sung Weon	(73) Kyocera Document Solutions Inc.	(21) EP10190511.5
YOON, Young Min	(72) Hamakawa, Hiroyuki	(47) 12.08.2020
(31) 20140129204	(31) 2012061113	(22) 09.11.2010
(32) 26.09.2014	(32) 16.03.2012	(54) Magnetic shock absorber
(33) Korea (Republic)	(33) Japan	(73) Montres Breguet SA
(51) G03G 15/00	(51) G03G 15/20	(72) Maréchal, Sylvain
H04N 1/00	H05B 3/26	Sarchi, Davide
(11) EP3410219	(11) EP3261408	(51) G04C 3/00
(21) EP18173023.5	(21) EP17176299.0	G04C 3/14
(47) 12.08.2020	(47) 12.08.2020	(11) EP3495897
(22) 17.05.2018	(22) 16.06.2017	(21) EP17206185.5
(54) IMAGE FORMING APPARATUS	(54) HEATER AND HEATING APPARATUS	(47) 12.08.2020
(73) CANON KABUSHIKI KAISHA	(73) Toshiba TEC Kabushiki Kaisha	(22) 08.12.2017
(72) ARAI, Akihiro	Toshiba Hokuto Electronics Corporation	(54) TIMEPIECE COMPRISING AN ELECTRIC MOTOR SECURED TO AN ATTACHMENT PLATE
ANDO, Yutaka	(72) TAKAGI, Osamu	(73) ETA SA Manufacture Horlogère Suisse
MIYAKE, Toshiyuki	(31) 2016121442	(72) BALMER, Raphaël
FUKUHARA, Riki	2017096894	LAGORGETTE, Pascal
ODA, Yuichiro	(32) 20.06.2016	
(31) 2017108239	16.05.2017	(51) G04D 7/12
(32) 31.05.2017	(33) Japan	(11) EP3492998
(33) Japan	Japan	(21) EP17204924.9
(51) G03G 15/01	(51) G03H 1/00	(47) 12.08.2020
(11) EP2600204	G03H 1/04	(22) 01.12.2017
(21) EP12193711.4	(11) EP3339963	(54) DYNAMIC CHRONOMETRIC MONITORING
(47) 12.08.2020	(21) EP16205862.2	(73) Montres Breguet S.A.
(22) 21.11.2012	(47) 12.08.2020	(72) STRANCZL, Marc
(54) Transfer device and image forming apparatus having the same	(22) 21.12.2016	PIGUET, René
(73) Hewlett-Packard Development Company, L.P.	(54) AN APPARATUS AND A METHOD FOR IN-LINE HOLOGRAPHIC IMAGING	(51) G04F 5/14
(72) Ju, Jeong Yong	(73) IMEC vzw	H01S 5/00
Lee, Jun Ho	(72) YURT, Abdulkadir	H01S 5/02
Ahn, Byeong Hwa	VANMEERBEECK, Geert	H01S 5/022
(31) 20110126258	STAHL, Richard	H01S 5/024
(32) 29.11.2011	LIN, Ziduo	H01S 5/183
(33) Korea (Republic)	(51) G03H 1/04	(11) EP2355272
(51) G03G 15/08	(11) EP3102982	(21) EP10189913.6
(11) EP2908179	(21) EP15711826.6	(47) 12.08.2020
(21) EP15155312.0	(47) 12.08.2020	(22) 03.11.2010
(47) 12.08.2020	(87) IB2015050874	(54) Chip-scale atomic clock with two thermal zones
(22) 17.02.2015	13.08.2015	(73) Honeywell International Inc.
(54) Developing apparatus, cartridge, and image forming apparatus	(22) 05.02.2015	(72) Younger, Daniel W.
(73) Canon Kabushiki Kaisha	(54) DIGITAL HOLOGRAPHIC DEVICE	Ridley, Jeff A.
(72) Adachi, Motoki	(73) Lyncee Tec S.A.	Salit, Mary K.
Ito, Motonari	(72) MOSER, Christophe	Lu, Son T.
Watanabe, Takanori	MONEMHAGHDOUST, Zahra	Forner, Linda J.
Usui, Yusuke	MONTFORT, Frédéric	(31) 301497 P
(31) 2014028617	DEPEURSINGE, Christian	891441
2014245404	EMERY, Yves	(32) 04.02.2010
2015025629	(31) 201461936380 P	27.09.2010
2015026931	(32) 06.02.2014	(33) United States of America
(32) 18.02.2014	(33) United States of America	United States of America
03.12.2014	(51) G04B 19/30	(51) G04G 19/00
12.02.2015	G04B 19/32	H01R 13/24
13.02.2015	(11) EP3327517	H01R 13/405
(33) Japan	(21) EP16200687.8	H01R 13/52
Japan	(47) 12.08.2020	H01R 13/62
Japan	(22) 25.11.2016	(11) EP3300176
Japan	(54) DIAL FOR A TIMEPIECE	(21) EP15904457.7
(51) G03G 15/09	(73) Officine Panerai AG	(47) 12.08.2020
G03G 15/095	(72) Dreyer-Gonzales, Frédéric	(87) CN2015090697
(11) EP2639651	Houriet, Arnaud	30.03.2017
(21) EP13158900.4	Chavaillaz, Cédric	(22) 25.09.2015
	Perret, Joël	

(54) CONNECTOR AND COMMUNICATIONS DEVICE	(47) 12.08.2020	(11) EP3095013
(73) Huawei Technologies Co., Ltd.	(87) AU2014000493	(21) EP14812237.7
(72) Li, Guangdong	13.11.2014	(47) 12.08.2020
(51) G05B 9/02	(22) 02.05.2014	(87) EP2014077694
G05B 23/02	(54) AN ELECTRICAL CONTROL SYSTEM AND METHOD	23.07.2015
(11) EP3250965	(73) Sane Pty Ltd	(22) 15.12.2014
(21) EP16701735.9	(72) BARTLETT, Timothy Richard	(54) METHOD AND SYSTEM FOR USE IN CONNECTION WITH AN INDUSTRIAL CONTROL SYSTEM
(47) 12.08.2020	(31) 2013901714	(73) ABB Schweiz AG
(87) EP2016050907	(32) 07.05.2013	(72) BLANK, Frederik
04.08.2016	(33) Australia	BICIK, Josef
(22) 18.01.2016	(51) G05B 15/02	(31) 14151394
(54) METHODS AND SYSTEMS FOR DETECTING, CLASSIFYING AND/OR MITIGATING SENSOR ERROR	H04L 12/28	(32) 16.01.2014
(73) Rolls-Royce plc	(11) EP2992390	(33) European Patent Office (EPO)
(72) RACHMAWATI, Lily	(21) EP14720133.9	(51) G05B 19/042
XUE, Yuhai	(47) 12.08.2020	G06F 11/32
(31) 201501534	(87) EP2014058638	G06F 16/26
(32) 30.01.2015	06.11.2014	(11) EP2849069
(33) United Kingdom	(22) 29.04.2014	(21) EP13185557.9
(51) G05B 13/04	(54) UNIT FOR MANAGING AND/OR CONTROLLING A HOME-AUTOMATION INSTALLATION AND METHOD OF OPERATION OF SUCH A MANAGEMENT AND/OR CONTROL UNIT	(47) 12.08.2020
G05B 17/02	(73) SOMFY ACTIVITES SA	(22) 23.09.2013
G05B 23/02	(72) SYMOËN, Lionel	(54) Event timeline generation
(11) EP3405843	CAVAREC, Pierre-Emmanuel	(73) Axis AB
(21) EP17700956.0	(31) 1353997	(72) Gustafsson, Oskar
(47) 12.08.2020	(32) 30.04.2013	Enochsson, Zacharias
(87) EP2017050975	(33) France	Elmqvist Wulcan, Elias
27.07.2017	(51) G05B 19/042	(31) 201314028218
(22) 18.01.2017	(11) EP3059647	(32) 16.09.2013
(54) MODEL ADAPTION AND ONLINE LEARNING FOR UNSTABLE ENVIRONMENTS	(21) EP16152500.1	(33) United States of America
(73) Robert Bosch GmbH	(47) 12.08.2020	(51) G05B 19/048
(72) LADE, Prasanth	(22) 25.01.2016	(11) EP3091404
(31) 201662280877 P	(54) TECHNIQUES FOR IMPROVING INDUSTRIAL CONTROL SYSTEMS	(21) EP16168141.6
201662280884 P	(73) Rockwell Automation Technologies, Inc.	(47) 12.08.2020
(32) 20.01.2016	(72) RISCHAR, Charles M.	(22) 03.05.2016
20.01.2016	BUMBALEK, Ladislav	(54) SAFETY CONTROLLER WITH RAPID BACKUP AND CONFIGURATION
(33) United States of America	MACUREK, Filip	(73) Rockwell Automation Germany GmbH & Co. KG
United States of America	VISTE, Michael	(72) Papenbreer, Rudolf
(51) G05B 15/02	PITRINEC, Petr	Helpenstein, Thomas
G05B 19/418	(31) 201514626058	Machuletz, Norbert
G06F 13/42	(32) 19.02.2015	Heckel, Oliver
H04B 3/54	(33) United States of America	Khaniki, Mussa Tohidi
H04L 9/08	(51) G05B 19/042	Prosak, Bradley
H04L 29/06	G05B 19/418	(31) 201514703435
(11) EP3460607	(11) EP2592509	(32) 04.05.2015
(21) EP17210928.2	(21) EP12192672.9	(33) United States of America
(47) 12.08.2020	(47) 12.08.2020	(51) G05B 19/048
(22) 28.12.2017	(22) 14.11.2012	G05B 23/02
(54) METHOD AND APPARATUS FOR IMPLEMENTING SECURITY OF BROADBAND BUS ARCHITECTURE IN INDUSTRIAL INTERNET FIELD	(54) Generation and publication of shared tagsets	(11) EP3451087
(73) Kyland Technology Co., Ltd.	(73) Rockwell Automation Technologies, Inc.	(21) EP17189469.4
(72) Lv, Zhiyong	(72) Kucharski, Paul G.	(47) 12.08.2020
Huang, Yi	Izzo, Joseph P.	(22) 05.09.2017
Cao, Hao	Rischar, Charles M.	(54) SYSTEM AND METHOD FOR THE SELECTION AND IDENTIFICATION OF FIELD DEVICES
(31) 201710854843	Kalan, Michael	(73) Bürkert Werke GmbH & Co. KG
(32) 20.09.2017	Van Gompel, David	(72) Maier, Franziska, Dr.
(33) China	Batke, Brian A.	Bauer, Johannes
(51) G05B 15/02	Johnston, David A.	Hagen, Claudius
H02J 3/14	(31) 201113296072	(51) G05B 19/418
H02J 4/00	(32) 14.11.2011	(11) EP3205448
H02J 13/00	(33) United States of America	(21) EP15849606.7
(11) EP2994974	(51) G05B 19/042	(47) 12.08.2020
(21) EP14794284.1	G05B 23/02	(87) JP2015078187
		14.04.2016
		(22) 05.10.2015

(54) CONTROL DEVICE FOR MACHINE TOOL	(72) AMADINI, Armando	G06Q 40/00
(73) Citizen Watch Co., Ltd.	(31) 201600079425	(11) EP3285180
Citizen Machinery Co., Ltd.	(32) 28.07.2016	(21) EP16779519.4
(72) NAKAYA, Takaichi	(33) Italy	(47) 12.08.2020
MATSUMOTO, Hitoshi	(51) G05F 1/46	(87) CN2016077303
(31) 2014206662	G06F 1/3203	20.10.2016
(32) 07.10.2014	G06F 1/324	(22) 25.03.2016
(33) Japan	G06F 1/3296	(54) METHOD AND DEVICE FOR
(51) G05B 23/02	(11) EP2414908	ACHIEVING CROSS-TIME-DOMAIN
G06N 5/00	(21) EP10712241.8	CONSISTENCY IN DISTRIBUTED
(11) EP3552067	(47) 12.08.2020	SYSTEM
(21) EP17795080.5	(87) US2010029220	(73) Alibaba Group Holding Limited
(47) 12.08.2020	14.10.2010	(72) YU, Jing
(87) JP2017036398	(22) 30.03.2010	(31) 201510183965
21.06.2018	(54) ADAPTIVE VOLTAGE SCALING	(32) 17.04.2015
(22) 29.09.2017	(73) QUALCOMM Incorporated	(33) China
(54) METHODS AND SYSTEMS FOR	(72) MOORE, Richard, A.	(51) G06F 1/16
DISCOVERY OF PROGNOSTIC	MICHALAK, Gerald, P.	(11) EP3495914
SUBSEQUENCES IN TIME SERIES	BRIDGES, Jeffrey, T.	(21) EP18206072.3
(73) Mitsubishi Electric Corporation	(31) 222779 P	(47) 12.08.2020
(72) NIKOVSKI, Daniel, Nikolaev	164882 P	(22) 13.11.2018
ZHU, Yan	(32) 02.07.2009	(54) HOST DEVICE AND ADD-ON MODULE
FARAHMAND, Amir-massoud	30.03.2009	ASSEMBLY WITH A RUGGED MODULE
(31) 201615375473	(33) United States of America	CONNECTION
(32) 12.12.2016	United States of America	(73) Trimble Inc.
(33) United States of America	(51) G05F 1/67	(72) SANDERS, Michael George
(51) G05D 1/02	H02J 3/38	MILLER, Steven N.
(11) EP3367200	H02J 7/34	STEIGER, Gerald W.
(21) EP18156417.0	(11) EP3286820	GIBSON, Gareth Todd
(47) 12.08.2020	(21) EP16720003.9	SHEEHAN, David A.
(22) 13.02.2018	(47) 12.08.2020	PUCKETTE, Robert Barnwell Elliott
(54) METHOD FOR OPERATING AN	(87) US2016027468	MENTINK, Geoffrey James
AUTOMATICALLY MOVING ROBOT	27.10.2016	(31) 201715837082
(73) Vorwerk & Co. Interholding GmbH	(22) 14.04.2016	(32) 11.12.2017
(72) Hillen, Lorenz	(54) HYBRID INVERTER POWER CONTROL	(33) United States of America
(31) 102017103986	SYSTEM FOR PV STRING, BATTERY,	(51) G06F 1/16
(32) 27.02.2017	GRID AND BACK-UP LOADS	G06F 1/26
(33) Germany	(73) Tesla, Inc.	H01F 7/02
(51) G05D 1/10	(72) NARLA, Sandeep	H01F 27/36
(11) EP2802949	CARLSON, Eric Daniel	H01F 38/14
(21) EP12852468.3	LUTKUS, Andrew Russell	H02J 7/00
(47) 12.08.2020	(31) 201562151257 P	G06F 3/0354
(87) US2012064614	201514798069	H02J 7/02
08.08.2013	(32) 22.04.2015	H02J 50/10
(22) 12.11.2012	13.07.2015	H02J 50/70
(54) AUTO-FLIGHT SYSTEM PILOT	(33) United States of America	H02J 50/90
INTERFACE	United States of America	(11) EP3462572
(73) The Boeing Company	(51) G05G 5/02	(21) EP18196865.2
(72) GERSHZOHN, Gary	H01H 3/14	(47) 12.08.2020
(31) 201213348294	H01H 9/28	(22) 26.09.2018
(32) 11.01.2012	H01H 21/26	(54) INDUCTIVE INTERCONNECTION
(33) United States of America	H01H 21/32	SYSTEMS
(51) G05D 16/16	G05G 1/44	(73) Apple Inc.
G05D 16/20	(11) EP3072141	(72) MARSHALL, Blake R.
(11) EP3491479	(21) EP14799865.2	OW, Florence W.
(21) EP17754800.5	(47) 12.08.2020	RUSCHER, Joel N.
(47) 12.08.2020	(87) GB2014053376	TAN, Li-Quan
(87) IB2017054431	28.05.2015	ZIMMERMAN, Aidan N.
01.02.2018	(22) 14.11.2014	NASIRI MAHALATI, Reza
(22) 21.07.2017	(54) FOOTSWITCH ASSEMBLY	ZHU, Hao
(54) SETTING DEVICE FOR A GAS	(73) Huntleigh Technology Limited	Ji, Qigen
PRESSURE REGULATOR, IN	(72) HOLLYOAK, Stephen	SAMPATH, Madhusudanan Keezhveedi
PARTICULAR FOR A PILOT DEVICE,	(31) 201320567	LIU, Nan
AND GAS PRESSURE REGULATION	(32) 21.11.2013	SCRITZKY, Robert
SYSTEM COMPRISING SAID SETTING	(33) United Kingdom	LISI, Gianpaolo
DEVICE	(51) G06F 1/12	(31) 201762565471 P
(73) Pietro Fiorentini S.p.A.	G06F 1/14	201762565460 P
	G07F 17/30	201816127072

201816127046	19.11.2015	(72) REDDY, Raghothama
(32) 29.09.2017	(22) 10.10.2014	COLOMBI, Silvio
29.09.2017	(54) FINGERPRINT RECOGNITION-BASED	SCHMITT, William J.
10.09.2018	TERMINAL AND METHOD AND	SKLIUTAS, John Paul
10.09.2018	SYSTEM FOR LOGGING IN TO SAME	(31) 201462093084 P
(33) United States of America	IN STAND-BY STATE	201514823154
United States of America	(73) Shenzhen Goodix Technology Co., Ltd.	(32) 17.12.2014
United States of America	(72) RAN, Rui	11.08.2015
United States of America	HAO, Qiye	(33) United States of America
(51) G06F 1/16	(31) 201410020454	United States of America
G06F 3/01	(32) 14.05.2014	(51) G06F 1/26
H04M 1/725	(33) China	G06F 13/10
G06F 3/0488	(51) G06F 1/16	(11) EP3376341
(11) EP2818996	H04M 1/725	(21) EP18165450.0
(21) EP13174437.7	H04W 8/00	(47) 12.08.2020
(47) 12.08.2020	(11) EP3114896	(22) 20.02.2013
(22) 28.06.2013	(21) EP15757775.0	(54) POWER SUPPLY SYSTEM FOR A
(54) Context sensitive message notifications	(47) 12.08.2020	SEMICONDUCTOR PROCESSING
(73) BlackBerry Limited	(87) US2015014701	SYSTEM
(72) Arbsjö, Jonas Ove	11.09.2015	(73) Applied Materials, Inc.
Steeves, Ryan David	(22) 06.02.2015	(72) SCHAUER, Ronald Vern
Ziegler, Rudolph Ferdinand	(54) APPARATUS AND METHOD OF	COVINGTON, Mark Roger
Pedwyssocki, Alexander James	IDENTIFYING A WIRELESS DOCKING	KUMARASWAMI, Suresh
Li, Haobin	STATION	PURI, Amitabh
(51) G06F 1/16	(73) Intel IP Corporation	(31) 201261601493 P
G06F 3/023	(72) PENTELKA, Paz	(32) 21.02.2012
G06F 3/0488	DAVIDSON, Tal	(33) United States of America
(11) EP3123287	LEVY, Elad	(51) G06F 3/01
(21) EP15769610.5	GLIK, Michael	(11) EP3349095
(47) 12.08.2020	GAL, Yoav	(21) EP15905097.0
(87) US2015023218	(31) 201414198865	(47) 12.08.2020
01.10.2015	(32) 06.03.2014	(87) CN2015091259
(22) 28.03.2015	(33) United States of America	06.04.2017
(54) ALTERNATE DYNAMIC KEYBOARD	(51) G06F 1/20	(22) 30.09.2015
FOR CONVERTIBLE TABLET	H05K 7/20	(54) METHOD, DEVICE, AND TERMINAL
COMPUTERS	(11) EP3292459	FOR DISPLAYING PANORAMIC VISUAL
(73) Intel Corporation	(21) EP16722997.0	CONTENT
(72) KUMAR, Arvind	(47) 12.08.2020	(73) Huawei Technologies Co., Ltd.
GLENDINNING, Duncan	(87) US2016030563	(72) Li, Zijun
(31) 201414229655	10.11.2016	(51) G06F 3/01
(32) 28.03.2014	(22) 03.05.2016	(11) EP3260954
(33) United States of America	(54) COOLING ELECTRONIC DEVICES IN A	(21) EP17275088.7
(51) G06F 1/16	DATA CENTER	(47) 12.08.2020
G06F 3/0482	(73) Google LLC	(22) 20.06.2017
G06F 3/0488	(72) FARSHCHIAN, Soheil	(54) SYSTEMS AND METHODS FOR
(11) EP2590049	IYENGAR, Madhu Krishnan	CLOSED-LOOP CONTROL FOR
(21) EP13151110.7	(31) 201514703566	HAPTIC FEEDBACK
(47) 12.08.2020	(32) 04.05.2015	(73) Immersion Corporation
(22) 08.03.2010	(33) United States of America	(72) LEVESQUE, Vincent
(54) User Interface	(51) G06F 1/26	(31) 201615186727
(73) Nokia Technologies Oy	G06F 1/28	(32) 20.06.2016
(72) Wang, Wei	G06F 1/30	(33) United States of America
Wang, Kongqiao	H02H 9/00	(51) G06F 3/01
Xie, Xiaohui	H02H 9/02	(11) EP3521977
Liu, Yingfei	H02J 3/08	(21) EP18155213.4
Wang, Xia	H02J 3/18	(47) 12.08.2020
Liu, Huanglingzi	H02J 3/46	(22) 06.02.2018
Wang, Bin	H02J 9/00	(54) A METHOD AND A SYSTEM
Liu, Zhen	H02J 9/04	FOR VISUAL HUMAN-MACHINE
Tang, Yuezhong	H02J 9/06	INTERACTION
(51) G06F 1/16	(11) EP3035482	(73) Smart Eye AB
G06F 21/32	(21) EP15198263.4	(72) SÖRNER, Per
G06F 21/81	(47) 12.08.2020	(51) G06F 3/01
G06F 1/32	(22) 07.12.2015	G06F 3/0346
(11) EP3144835	(54) SYSTEMS AND METHODS	G06F 3/038
(21) EP14891977.2	FOR IMPLEMENTING SERIES	(11) EP3246791
(47) 12.08.2020	COMPENSATORS IN STATIC UPS	(21) EP17169276.7
(87) CN2014088284	(73) ABB Schweiz AG	

(47) 12.08.2020	(31) 201213528522	(31) 201113334477
(22) 03.05.2017	(32) 20.06.2012	(32) 22.12.2011
(54) INFORMATION PROCESSING APPARATUS, INFORMATING PROCESSING SYSTEM, AND INFORMATION PROCESSING METHOD	(33) United States of America	(33) United States of America
(73) Sony Mobile Communications Inc. Sony Corporation	(51) G06F 3/041 G06F 3/044	(51) G06F 3/0482 G06F 3/0484
(72) AOYAMA, Ryu MIZUKAMI, Tomoo HIROSE, Yoji TAKAHASHI, Kei YAMANO, Ikuo	(11) EP3525074 (21) EP17920617.2 (47) 12.08.2020 (87) CN2017115591 20.06.2019	(11) EP3195096 (21) EP15747595.5 (47) 12.08.2020 (87) US2015034607 11.02.2016
(31) 2016099393 (32) 18.05.2016 (33) Japan	(22) 12.12.2017 (54) TOUCH CHIP, TOUCH DETECTION METHOD AND DEVICE, AND TERMINAL DEVICE	(22) 07.06.2015 (54) CONTEXT-SPECIFIC USER INTERFACES
(51) G06F 3/01 G06F 3/0346 G06F 3/038	(73) Shenzhen Goodix Technology Co., Ltd. (72) FANG, Jun	(73) Apple Inc. (72) WILSON, Christopher BUTCHER, Gary, Ian CHEN, Kevin, Will CHAUDHRI, Imran DYE, Alan, C. GUZMAN, Aurelio IVE, Jonathan, P. KARUNAMUNI, Chanaka, G. KOCIENDA, Kenneth LYNCH, Kevin MARI, Pedro SABATELLI, Alessandro SCHMITT, Brian WILSON, Eric, Lance YANG, Lawrence, Y. SOUZA DOS SANTOS, Andre
(11) EP3392748 (21) EP18167815.2 (47) 12.08.2020 (22) 17.04.2018 (54) SYSTEM AND METHOD FOR POSITION TRACKING IN A VIRTUAL REALITY SYSTEM	(51) G06F 3/041 G06F 3/044 H04M 1/02 G06F 3/048 G06F 3/0482 G06F 3/0484 G06F 3/0485 G06F 3/0486 G06F 3/0488	(31) 201462032562 P 201462044994 P 201562129835 P
(73) HTC Corporation (72) LU, Hsin-Yu WENG, Li-Kang PAN, Kuang-Yu CHEN, Yuan-Tung	(11) EP3258361 (21) EP17184860.9 (47) 12.08.2020 (22) 11.06.2009 (54) MOBILE TERMINAL USING PRESSURE SENSOR AND METHOD OF CONTROLLING THE MOBILE TERMINAL	(31) 201462032562 P 201462044994 P 201562129835 P
(31) 201762488071 P (32) 21.04.2017 (33) United States of America	(73) LG Electronics Inc. (72) BONG, Byung Eun	(32) 02.08.2014 02.09.2014 07.03.2015
(51) G06F 3/01 G06F 3/0481	(31) 20080063559 20080063560	(33) United States of America United States of America United States of America
(11) EP3433706 (21) EP17715558.7 (47) 12.08.2020 (87) US2017022230 28.09.2017	(32) 01.07.2008 01.07.2008 (33) Korea (Republic) Korea (Republic)	(51) G06F 3/0482 G06F 3/0484 G06F 3/0488
(22) 14.03.2017 (54) VIRTUAL-REALITY NAVIGATION	(51) G06F 3/042 G06F 3/0354	(11) EP3011422 (21) EP14740002.2 (47) 12.08.2020 (87) US2014041088 24.12.2014
(73) Microsoft Technology Licensing, LLC (72) BURNS, Aaron MacKay FERRESE, Robert ELMER, Brent J. KVIZ, Timothy D. SUGDEN, Benjamin John	(11) EP3056975 (21) EP13895170.2 (47) 12.08.2020 (87) JP2013077304 16.04.2015 (22) 08.10.2013 (54) PROJECTION TYPE IMAGE DISPLAY DEVICE, MANIPULATION DETECTION DEVICE AND PROJECTION TYPE IMAGE DISPLAY METHOD	(22) 05.06.2014 (54) CONTENT ATTRIBUTE CONTROL INTERFACE INCLUDING INCREMENTAL, DIRECT ENTRY, AND SCROLLABLE CONTROLS
(31) 201615077686 (32) 22.03.2016 (33) United States of America	(73) Maxell, Ltd. (72) NARIKAWA Sakiko MATSUBARA Takashi MORI Naoki	(73) Microsoft Technology Licensing, LLC (72) SHAW, Han-Yi USSHER, Allen SCHREIBER, Michael
(51) G06F 3/041 G06F 3/042 G06K 9/00	(51) G06F 3/046 (11) EP2795439 (21) EP12816173.4 (47) 12.08.2020 (87) US2012068867 27.06.2013 (22) 11.12.2012 (54) GESTURING ARCHITECTURE USING PROXIMITY SENSING	(31) 201313920763 (32) 18.06.2013 (33) United States of America
(11) EP2864932 (21) EP13806783.0 (47) 12.08.2020 (87) US2013046906 27.12.2013 (22) 20.06.2013 (54) FINGERTIP LOCATION FOR GESTURE INPUT	(73) Amazon Technologies, Inc. (72) KARAKOTSIOS, Kenneth M. NOBLE, Isaac S. ZHOU, Dong	(51) G06F 3/0484 G06F 3/0488 (11) EP2713257 (21) EP13183881.5 (47) 12.08.2020 (22) 11.09.2013 (54) Touch-enabled complex data entry
	(73) SMSC Holdings S.a.r.l. (72) GAY, Kenneth W.	(73) Dassault Systemes Simulia Corp. (72) Van der Velden, Alexander

(31) 201213631745	(54) SYSTEMS AND METHODS FOR	13.06.2013
(32) 28.09.2012	PACKING DATA IN A SCALABLE	(22) 07.12.2012
(33) United States of America	MEMORY SYSTEM PROTOCOL	(54) NETWORKED THREE-DIMENSIONAL
(51) G06F 3/0488	(73) Micron Technology, Inc.	PRINTING
(11) EP2972739	(72) PAWLOWSKI, J. Thomas	(73) Makerbot Industries, LLC
(21) EP14710473.1	(31) 201462006668 P	(72) PETTIS, Nathaniel, B.
(47) 12.08.2020	201514724473	(31) 201113314337
(87) US2014018724	(32) 02.06.2014	(32) 08.12.2011
25.09.2014	28.05.2015	(33) United States of America
(22) 26.02.2014	(33) United States of America	(51) G06F 3/12
(54) DEVICE, METHOD, AND GRAPHICAL	United States of America	G06T 1/00
USER INTERFACE FOR MANAGING	(51) G06F 3/06	H04N 1/00
CONCURRENTLY OPEN SOFTWARE	G06F 12/02	H04N 1/333
APPLICATIONS	G06F 12/06	(11) EP2775697
(73) Apple Inc.	G06F 12/0811	(21) EP14153534.4
(72) CHAUDHRI, Imran	(11) EP3408748	(47) 12.08.2020
(31) 201361801943 P	(21) EP17744700.0	(22) 31.01.2014
201361832892 P	(47) 12.08.2020	(54) Relaying device, computer program
201414183353	(87) US2017013934	for relaying device, and method for
201414183347	03.08.2017	controlling relaying device
(32) 15.03.2013	(22) 18.01.2017	(73) Brother Kogyo Kabushiki Kaisha
09.06.2013	(54) ADAPTIVE VALUE RANGE PROFILING	(72) Ishibashi, Masayuki
18.02.2014	FOR ENHANCED SYSTEM	(31) 2013046467
18.02.2014	PERFORMANCE	(32) 08.03.2013
(33) United States of America	(73) Advanced Micro Devices, Inc.	(33) Japan
United States of America	(72) BRETERNITZ, Mauricio	(51) G06F 3/147
United States of America	(31) 201662286618 P	G06F 3/048
United States of America	201615130793	G06F 3/0485
(51) G06F 3/0488	(32) 25.01.2016	G06F 3/0488
(11) EP3040839	15.04.2016	(11) EP3477449
(21) EP14307221.3	(33) United States of America	(21) EP17820392.3
(47) 12.08.2020	United States of America	(47) 12.08.2020
(22) 31.12.2014	(51) G06F 3/12	(87) KR2017003826
(54) SELECTION OF A GRAPHICAL	(11) EP2469400	04.01.2018
ELEMENT	(21) EP11009433.1	(22) 12.04.2017
(73) Dassault Systèmes	(47) 12.08.2020	(54) ELECTRONIC DEVICE AND
(72) Dawari, Avinash	(22) 29.11.2011	OPERATING METHOD THEREFOR
Garde, Sameer	(54) Information processing apparatus,	(73) Samsung Electronics Co., Ltd.
(51) G06F 3/06	information processing method and	(72) LEE, Youngjayeon
G06F 11/07	storage medium storing program	PARK, Joo Yeon
G06F 11/08	(73) Canon Kabushiki Kaisha	YOON, Kyoungsik
G06F 11/30	(72) Hagiwara, Shogo	LEE, Hyunyeul
G06F 13/00	Ito, Yosuke	CHUNG, Seungyeon
H04N 1/00	Kojima, Yuji	LEE, Yohan
H04N 1/21	(31) 2010288554	(31) 20160082683
H04N 1/32	(32) 24.12.2010	(32) 30.06.2016
(11) EP3451172	(33) Japan	(33) Korea (Republic)
(21) EP17764501.7	(51) G06F 3/12	(51) G06F 3/16
(47) 12.08.2020	(11) EP3193249	G06N 3/00
(87) JP2017003882	(21) EP16206914.0	G10L 13/00
02.11.2017	(47) 12.08.2020	G10L 15/22
(22) 03.02.2017	(22) 27.12.2016	G10L 15/18
(54) DATA TRANSMISSION SYSTEM AND	(54) PRINT DATA PROCESSING	G10L 25/63
DATA TRANSMISSION METHOD	APPARATUS, PRINT DATA	G10L 25/90
(73) Kyocera Document Solutions Inc.	PROCESSING METHOD, AND	(11) EP3489950
(72) NISHIO, Takatoshi	PROGRAM	(21) EP18203266.4
(31) 2016090083	(73) Canon Kabushiki Kaisha	(47) 12.08.2020
(32) 28.04.2016	(72) TAKENAKA, Shuichi	(22) 30.10.2018
(33) Japan	(31) 2016006673	(54) RESPONSE SENTENCE GENERATION
(51) G06F 3/06	(32) 15.01.2016	APPARATUS, METHOD AND
G06F 11/10	(33) Japan	PROGRAM
G06F 13/16	(51) G06F 3/12	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(11) EP3149585	B33Y 50/00	(72) WATANABE, Narimasa
(21) EP15802720.1	B29C 64/386	(31) 2017228234
(47) 12.08.2020	(11) EP2788910	(32) 28.11.2017
(87) US2015033568	(21) EP12856556.1	(33) Japan
10.12.2015	(47) 12.08.2020	(51) G06F 7/04
(22) 01.06.2015	(87) US2012068429	G06F 21/62



(11) EP2948840	08.06.2017	COMPUTER PROGRAM AND IT SYSTEM
(21) EP14743205.8	(22) 30.11.2016	
(47) 12.08.2020	(54) METHOD AND DEVICE FOR OPERATING DOCKER CONTAINER	(73) Bull S.A.S.
(87) US2014012609	(73) Huawei Technologies Co., Ltd.	(72) BRU, Xavier
31.07.2014	(72) BO, Hai	GARRIGUES, Philippe
(22) 22.01.2014	LIU, Ji	WELTERLEN, Benoît
(54) USE OF FREEFORM METADATA FOR ACCESS CONTROL	LUO, Hao	(31) 1051758
(73) Amazon Technologies, Inc.	XIAN, Chaobo	(32) 11.03.2010
(72) BRANDWINE, Eric Jason	(31) 201510883372	(33) France
DESANTIS, Peter Nicholas	(32) 03.12.2015	
THRANE, Leon	(33) China	(51) G06F 9/48
(31) 201313747224	(51) G06F 8/654	G06F 11/18
201313747239	(11) EP3518097	G07C 9/00
201313747261	(21) EP18209051.4	(11) EP2849063
(32) 22.01.2013	(47) 12.08.2020	(21) EP13185582.7
22.01.2013	(22) 29.11.2018	(47) 12.08.2020
22.01.2013	(54) FIRMWARE UPDATING METHOD AND ELECTRONIC DEVICE USING THE SAME	(22) 23.09.2013
(33) United States of America	(73) Pegatron Corporation	(54) Managing application data in distributed control systems
United States of America	(72) LI, Kun-Yu	(73) Axis AB
United States of America	YAO, Chang-Chen	(72) Bruce, Mathias
(51) G06F 7/552	(31) 10702820	Rosengren, Robert
(11) EP3522002	(32) 26.01.2018	(31) 201314028230
(21) EP18154511.2	(33) Taiwan, Province of China	(32) 16.09.2013
(47) 12.08.2020	(51) G06F 9/30	(33) United States of America
(22) 31.01.2018	(11) EP3405863	
(54) CALCULATION PROCESSOR AND CALCULATION METHOD	(21) EP16728076.7	(51) G06F 9/50
(73) ams AG	(47) 12.08.2020	H04L 12/24
(72) Van hoogenbemt, Stefaan Margriet Albert	(87) GB2016051503	H04L 12/66
(51) G06F 7/58	27.07.2017	H04L 29/08
(11) EP3458951	(22) 25.05.2016	(11) EP2678984
(21) EP17723425.9	(54) ENCODING INSTRUCTIONS IDENTIFYING FIRST AND SECOND ARCHITECTURAL REGISTER NUMBERS	(21) EP12749623.0
(47) 12.08.2020	(73) ARM Limited	(47) 12.08.2020
(87) EP2017061941	(72) HOSIE, Simon	(87) US2012025792
23.11.2017	NYSTAD, Jørn	30.08.2012
(22) 18.05.2017	(31) 201615003828	(22) 20.02.2012
(54) DEVICE FOR GENERATING A RANDOM ELECTRICAL SIGNAL AND ASSOCIATED ARCHITECTURE	(32) 22.01.2016	(54) MULTI-TENANT SERVICES GATEWAY
(73) Thales	(33) United States of America	(73) Microsoft Technology Licensing, LLC
Centre National de la Recherche Scientifique	(51) G06F 9/46	(72) VASTERS, Clemens
(72) PINNA, Daniele	G06F 21/41	HILEWICZ, Ronen
GROLLIER, Julie	(11) EP2849061	WORTENDYKE, David
CROS, Vincent	(21) EP13185583.5	(31) 201113031263
QUERLIOZ, Damien	(47) 12.08.2020	(32) 21.02.2011
BESSIERE, Pierre	(22) 23.09.2013	(33) United States of America
DROULEZ, Jacques	(54) Distribution of user credentials	
(31) 1600791	(73) Axis AB	(51) G06F 9/50
(32) 18.05.2016	(72) Bruce, Mathias	H04W 4/50
(33) France	Hansson, Niklas	(11) EP2461249
(51) G06F 7/72	(31) 201314028208	(21) EP11191591.4
(11) EP3188001	(32) 16.09.2013	(47) 12.08.2020
(21) EP15307167.5	(33) United States of America	(22) 01.12.2011
(47) 12.08.2020	(51) G06F 9/48	(54) Provisioning of services and equipment
(22) 29.12.2015	G06F 9/38	(73) Synchronoss Technologies, Inc.
(54) MODULAR MULTIPLICATION DEVICE AND METHOD	G06F 9/455	(72) Colson, Jay H.
(73) Secure-IC SAS	(11) EP2545449	Bellomo, Michael A.
(72) GUILLEY, Sylvain	(21) EP11712987.4	(31) 959608
MURDICA, Cédric	(47) 12.08.2020	(32) 03.12.2010
(51) G06F 8/60	(87) FR20111050489	(33) United States of America
G06F 9/455	15.09.2011	
(11) EP3324291	(22) 10.03.2011	(51) G06F 9/54
(21) EP16869982.5	(54) METHOD FOR CONFIGURING AN IT SYSTEM, CORRESPONDING	H04L 29/06
(47) 12.08.2020		H04L 29/08
(87) CN2016107978		(11) EP2746950
		(21) EP13004177.5
		(47) 12.08.2020
		(22) 23.08.2013
		(54) ABAP channels for event signaling
		(73) SAP SE
		(72) Jolfaei, Masoud Aghadavoodi
		Luik, Oliver
		Lott, Edgar
		Prestel, Helmut

McKellar, Brian Craig	G06F 21/60	(73) Imagination Technologies Limited
Knoeller, Steffen	(11) EP3182286	(72) IULIANO, Luca
(31) 201213722529	(21) EP16204849.0	NIELD, Simon
(32) 20.12.2012	(47) 12.08.2020	ROSE, Thomas
(33) United States of America	(22) 16.12.2016	(31) 201715416
(51) G06F 11/07	(54) METHOD FOR VERIFYING	(32) 22.09.2017
G06F 12/14	SOFTWARE FUNCTIONALITIES	(33) United Kingdom
(11) EP2836912	INTENDED FOR BEING ON-BOARD	(51) G06F 12/084
(21) EP13713917.6	A CRYPTOGRAPHIC COMPONENT,	(11) EP2411917
(47) 12.08.2020	SYSTEM	(21) EP10712630.2
(87) EP2013057101	(73) Airbus DS SLC	(47) 12.08.2020
17.10.2013	(72) PRAT, Julien	(87) US2010028892
(22) 04.04.2013	VETU, Fany	30.09.2010
(54) SUBSCRIBER STATION FOR A	(31) 1562841	(22) 26.03.2010
BUS SYSTEM AND METHOD	(32) 18.12.2015	(54) A METHOD FOR WAY ALLOCATION
FOR TRANSMITTING MESSAGES	(33) France	AND WAY LOCKING IN A CACHE
BETWEEN SUBSCRIBER STATIONS	(51) G06F 11/30	(73) Advanced Micro Devices, Inc.
OF A BUS SYSTEM	G06F 11/34	(72) OWEN, Jonathan
(73) Robert Bosch GmbH	G08G 5/06	KRISHNAN, Guhan
(72) HARTWICH, Florian	(11) EP2423816	DIETZ, Carl, D.
(31) 102012205988	(21) EP10174154.4	BEARD, Douglas, Richard
(32) 12.04.2012	(47) 12.08.2020	LEWCHUK, William, K.
(33) Germany	(22) 26.08.2010	BRANOVER, Alexander
(51) G06F 11/10	(54) System and method for real-time	(31) 413124
(11) EP3449372	preserving animated logging	(32) 27.03.2009
(21) EP17722577.8	(73) Software AG	(33) United States of America
(47) 12.08.2020	(72) Flemig, Holger	(51) G06F 12/0866
(87) US2017029447	Nöbel, Lars	G06F 12/0888
02.11.2017	Holke, Henrik	G06F 12/0897
(22) 25.04.2017	(51) G06F 12/00	(11) EP2478442
(54) FAULT-TOLERANT ENTERPRISE	G06F 12/0871	(21) EP10760825.9
OBJECT STORAGE SYSTEM FOR	(11) EP3321809	(47) 12.08.2020
SMALL OBJECTS	(21) EP15901909.0	(87) US2010048023
(73) Synamedia Limited	(47) 12.08.2020	17.03.2011
(72) RUNGTA, Vandana Shyam	(87) CN2015087817	(22) 07.09.2010
HENRIKSEN, Dana Marlow	02.03.2017	(54) CACHING DATA BETWEEN A
OYLER, Mel J.	(22) 21.08.2015	DATABASE SERVER AND A STORAGE
KINGDON, Kevin Wayne	(54) MEMORY ACCESS METHOD,	SYSTEM
(31) 201662329319 P	APPARATUS AND SYSTEM	(73) Oracle International Corporation
201615207895	(73) Huawei Technologies Co., Ltd.	(72) GOYAL, Kiran Badrinarain
(32) 29.04.2016	(72) LUO, Daxin	HO, Eugene
12.07.2016	LI, Gang	LEE, Adam Y.
(33) United States of America	PAN, Shuncheng	GOKHALE, Vipin
United States of America	(51) G06F 12/02	HU, Wei-Ming
(51) G06F 11/10	G11C 16/34	LOAIZA, Juan R.
G06F 11/16	(11) EP2940691	UMAMAGESWARAN, Kothanda
G06F 11/20	(21) EP15163662.8	BADDEPUDI, Bharat C.V.
(11) EP3483732	(47) 12.08.2020	ERLIKHMAN, Boris
(21) EP18205453.6	(22) 15.04.2015	TSUKERMAN, Alexander
(47) 12.08.2020	(54) STORAGE CONTROLLER, STORAGE	SELCUK, Aya
(22) 09.11.2018	DEVICE, STORAGE SYSTEM AND	HANSEN, Roger
(54) REDUNDANT STORAGE OF	METHOD OF OPERATING THE	NG, Adrian
ERROR CORRECTION CODE (ECC)	STORAGE CONTROLLER	(31) 242316 P
CHECKBITS FOR VALIDATING	(73) Samsung Electronics Co., Ltd	631985
PROPER OPERATION OF A STATIC	(72) Seo, Jung-Min	(32) 14.09.2009
RANDOM ACCESS MEMORY (SRAM)	Lee, Ju-Pyung	07.12.2009
(73) STMicroelectronics International N.V.	(31) 20140044809	(33) United States of America
STMicroelectronics S.r.l.	(32) 15.04.2014	United States of America
STMicroelectronics (Grenoble 2) SAS	(33) Korea (Republic)	(51) G06F 12/1027
(72) OM, Ranjan	(51) G06F 12/06	(11) EP3422192
GEMELLI, Riccardo	G06F 13/16	(21) EP17386022.2
DUTEY, Denis	(11) EP3460669	(47) 12.08.2020
(31) 201715810731	(21) EP18194678.1	(22) 28.06.2017
(32) 13.11.2017	(47) 12.08.2020	(54) ADDRESS TRANSLATION DATA
(33) United States of America	(22) 14.09.2018	INVALIDATION
(51) G06F 11/26	(54) SORTING MEMORY ADDRESS	(73) Arm Ltd
G06F 11/263	REQUESTS FOR PARALLEL MEMORY	(72) Horsnell, Matthew James
G06F 11/36	ACCESS	Magklis, Grigorios

Grisenthwaite, Richard Roy	(11) EP3167378	(51) G06F 16/242
(51) G06F 13/16	(21) EP15739342.2	(11) EP3249556
G11C 7/10	(47) 12.08.2020	(21) EP17170621.1
G11C 7/22	(87) JP2015003136	(47) 12.08.2020
G11C 11/419	14.01.2016	(22) 11.05.2017
(11) EP3350716	(22) 23.06.2015	(54) CONVERSATION INTERFACE AGENT
(21) EP16754650.6	(54) RECEIVER, TRANSMITTER, AND	FOR MANUFACTURING OPERATION
(47) 12.08.2020	COMMUNICATION SYSTEM	INFORMATION
(87) US2016047219	(73) Sony Corporation	(73) Rockwell Automation Technologies, Inc.
23.03.2017	(72) TAKAHASHI, Hiroo	(72) WISE, Jonathan
(22) 16.08.2016	(31) 2014139812	PTACEK, Petr
(54) PSEUDO DUAL PORT MEMORY	(32) 07.07.2014	COMEAU, David Wayne
(73) Qualcomm Incorporated	(33) Japan	BURNHAM, Nancy Lynne
(72) KWOK, Tony Chung Yiu	(51) G06F 13/42	WALTER, Jonathan D.
DESAI, Nishith Nitin	H04L 5/20	PANTALEANO, Michael John
JUNG, Changho	(11) EP3072057	LIBERMAN, Eugene
(31) 201514855319	(21) EP14803048.9	PLACHE, Kenneth S.
(32) 15.09.2015	(47) 12.08.2020	(31) 201615164729
(33) United States of America	(87) EP2014003097	(32) 25.05.2016
(51) G06F 13/40	28.05.2015	(33) United States of America
(11) EP3234789	(22) 20.11.2014	(51) G06F 16/27
(21) EP15870572.3	(54) METHOD FOR TRANSMITTING A USB	(11) EP3399445
(47) 12.08.2020	SIGNAL AND USB TRANSMISSION	(21) EP18174650.4
(87) US2015061093	SYSTEM	(47) 12.08.2020
23.06.2016	(73) Rosenberger Hochfrequenztechnik	(22) 21.10.2009
(22) 17.11.2015	GmbH & Co. KG	(54) ALWAYS-READY CLIENT/SERVER
(54) APPARATUS AND SYSTEM FOR	(72) KUNZ, Stephan	DATA SYNCHRONIZATION
INTEGRATING DEVICES IN A ROOT	MÜLLER, Thomas	(73) Google LLC
COMPLEX	ARMBRECHT, Gunnar	(72) PALAY, Andrew, J.
(73) Intel Corporation	(31) 102013019588	WHYTE, Aaron
(72) GUDDETI, Jayakrishna	(32) 21.11.2013	(31) 107312 P
CHANG, Luke	(33) Germany	(32) 21.10.2008
THALIYIL, Junaid F.	(51) G06F 15/78	(33) United States of America
JOSHI, Chandra P.	G06F 21/00	(51) G06F 16/74
(31) 201414573738	G06F 9/38	(11) EP3077895
(32) 17.12.2014	(11) EP2490144	(21) EP14868152.1
(33) United States of America	(21) EP12155170.9	(47) 12.08.2020
(51) G06F 13/40	(47) 12.08.2020	(87) US2014067679
H04L 12/26	(22) 13.02.2012	11.06.2015
H04L 12/725	(54) Programmable cryptography integrated	(22) 26.11.2014
H04L 12/803	circuit	(54) DYNAMIC THUMBNAIL
H04L 12/911	(73) Bull S.A.S.	REPRESENTATION FOR A VIDEO
H04L 12/931	(72) Le Quéré, Patrick	PLAYLIST
H04L 12/933	(31) 1151332	(73) Google LLC
(11) EP3314448	(32) 18.02.2011	(72) WHEELER, Aaron Joseph
(21) EP16815018.3	(33) France	LAURITZEN, Chris
(47) 12.08.2020	(51) G06F 16/22	(31) 201314095191
(87) US2016035518	G06F 16/23	(32) 03.12.2013
29.12.2016	(11) EP3207471	(33) United States of America
(22) 02.06.2016	(21) EP15787343.1	(51) G06F 16/957
(54) APPARATUS AND METHOD FOR	(47) 12.08.2020	(11) EP2724243
HARDWARE-ACCELERATED PACKET	(87) US2015054350	(21) EP12803134.1
PROCESSING	28.04.2016	(47) 12.08.2020
(73) Intel Corporation	(22) 07.10.2015	(87) IL2012000174
(72) JANI, Nrupal	(54) HIGH PERFORMANCE	27.12.2012
KUMAR, Dinesh	TRANSACTIONS IN DATABASE	(22) 02.05.2012
MACIOCCO, Christian	MANAGEMENT SYSTEMS	(54) DYNAMIC CONTENT CACHING
WANG, Ren	(73) Microsoft Technology Licensing, LLC	(73) Imperva, Inc.
PARIKH, Neerav	(72) LOMET, David, Bruce	(72) SHATZ, Gur
FASTABEND, John	LEVANDOSKI, Justin, Jon	ZINGERMAN, Boris
GASPARAKIS, Iosif	SENGUPTA, Sudipta	ALMAGOR, Ohad
HARRIMAN, David J.	STUTSMAN, Ryan	(31) 201113167130
CONNOR, Patrick L.	(31) 201462065754 P	(32) 23.06.2011
JAIN, Sanjeev	201414588390	(33) United States of America
(31) 201514750085	(32) 19.10.2014	(51) G06F 17/00
(32) 25.06.2015	31.12.2014	(11) EP3304034
(33) United States of America	(33) United States of America	(21) EP16800478.6
(51) G06F 13/42	United States of America	(47) 12.08.2020

(87) US2016031168 01.12.2016	(54) METHOD FOR OPERATING AN INDUSTRIAL PC DEVICE AND INDUSTRIAL PC DEVICE	(72) Zaitsev, Oleg V. (31) 2014131819 201414555052
(22) 06.05.2016	(73) OMRON CORPORATION	(32) 01.08.2014 26.11.2014
(54) SCHEDULING INSPECTIONS AND PREDICTING END-OF-LIFE FOR MACHINE COMPONENTS	(72) SCHEFFER, Fred CRIJNS, Thorstin	(33) Russian Federation
(73) Siemens Energy, Inc.	(51) G06F 21/53	United States of America
(72) BHATNAGAR, Himanshu KADAU, Kai KOEPE, Thomas PATEL, Chirag B. POPESCU, Cristina C.	G06F 21/62 G06F 8/61 G06F 9/455	(51) G06F 21/62 (11) EP3627370 (21) EP19193944.6 (47) 12.08.2020 (22) 27.08.2019
(31) 201514722175	(11) EP3408780	(54) METHOD AND SYSTEM FOR PROCESSING PERSON-RELATED OPTICAL AND / OR ACOUSTIC SIGNALS
(32) 27.05.2015	(21) EP17702342.1	(73) EnBW Energie Baden-Württemberg AG
(33) United States of America	(47) 12.08.2020	(72) Sieck, Michael Weber, Matthias
(51) G06F 21/10	(87) EP2017051613	(31) 102018121881 (32) 07.09.2018 (33) Germany
G06F 21/60	03.08.2017	(51) G06F 21/62 G06F 16/14
(11) EP3159824	(22) 26.01.2017	(11) EP3382576 (21) EP17738450.0 (47) 12.08.2020 (87) JP2017000679 20.07.2017 (22) 11.01.2017
(21) EP15190958.7	(54) DISK ENCRYPTION	(54) SECRET SEARCH SYSTEM, SECRET SEARCH METHOD, AND SECRET SEARCH PROGRAM
(47) 12.08.2020	(73) British Telecommunications public limited company	(73) Mitsubishi Electric Corporation
(22) 22.10.2015	(72) EL-MOUSSA, Fadi DIMITRAKOS, Theo	(72) HAYASAKA, Kenichiro KAWAI, Yutaka HIRANO, Takato KOSEKI, Yoshihiro
(54) METHOD FOR PROCESSING AN ENCRYPTED PRINT JOB	(31) PCT/EP2016/153534	(31) PCT/JP2016/051006 PCT/JP2016/079421
(73) IDEMIA Germany GmbH	(32) 29.01.2016	(32) 14.01.2016 04.10.2016
(72) WINTER, Christian RUST, Carsten	(33) World Intellectual Property Office (WIPO)	(33) World Intellectual Property Office (WIPO) World Intellectual Property Office (WIPO)
(51) G06F 21/32	(51) G06F 21/53	(51) G06K 1/12 G06K 7/10 G06K 7/14 G06K 9/00 G06K 19/06 H04L 29/06 G06Q 10/00 G06Q 30/00 G06Q 50/26 G06F 16/955
G06F 21/40	G06F 21/62	(11) EP2937819 (21) EP13864855.5 (47) 12.08.2020 (87) JP2013083921 26.06.2014 (22) 18.12.2013
(11) EP3214563	G06F 9/455	(54) SYSTEM WHICH USES INFORMATION CODE
(21) EP15861338.0	(11) EP3408779	(73) Denso Wave Incorporated
(47) 12.08.2020	(21) EP17701340.6	(72) NOSAKA, Kazuto NAKAYAMA, Shin TANAKA, Masami YODA, Takuya
(87) CN2015094457	(47) 12.08.2020	(31) 2012276910
26.05.2016	(87) EP2017051610	
(22) 12.11.2015	03.08.2017	
(54) APPARATUS AND METHOD FOR IMPROVING SECURITY OF TERMINAL	(22) 26.01.2017	
(73) Huawei Technologies Co., Ltd.	(54) DISK ENCRYPTION	
(72) WANG, Xiyong JIANG, Hongrui	(73) British Telecommunications public limited company	
(31) 201410668497	(72) EL-MOUSSA, Fadi DIMITRAKOS, Theo	
(32) 20.11.2014	(31) PCT/EP2016/153536	
(33) China	(32) 29.01.2016	
(51) G06F 21/36	(33) World Intellectual Property Office (WIPO)	
(11) EP3522054	(51) G06F 21/60	
(21) EP19165246.0	G06F 21/62	
(47) 12.08.2020	(11) EP3353701	
(22) 09.03.2012	(21) EP16784609.6	
(54) APPARATUS AND METHOD FOR MANAGING APPLICATION IN WIRELESS TERMINAL	(47) 12.08.2020	
(73) Samsung Electronics Co., Ltd.	(87) US2016053158	
(72) KWON, Se-Hong JUN, Don-Gyo HWANG, Soon-Shik	30.03.2017	
(31) 20110087304	(22) 22.09.2016	
(32) 30.08.2011	(54) POLICY MANAGEMENT FOR DATA MIGRATION	
(33) Korea (Republic)	(73) Amazon Technologies, Inc.	
(51) G06F 21/51	(72) SUMMERS, Carl, Wesley NADAL, Jonathan, Jorge GATTU, Praveen, Kumar	
G06F 21/53	(21) EP2980722	
G06F 21/57	(31) 201514863804	
G06F 21/60	(32) 24.09.2015	
G06F 9/455	(33) United States of America	
(11) EP3611642	(51) G06F 21/62	
(21) EP18189584.8	(11) EP2980722	
(47) 12.08.2020	(21) EP15163366.6	
(22) 17.08.2018	(47) 12.08.2020	
	(22) 13.04.2015	
	(54) SYSTEM AND METHOD FOR SECURING USE OF A PORTABLE DRIVE WITH A COMPUTER NETWORK	
	(73) AO Kaspersky Lab	

2013238417	(54) INFORMATION PROCESSING DEVICE	(32) 04.06.2014
2013255504	AND METHOD, AND PROGRAM	(33) United States of America
(32) 19.12.2012	(73) Sony Corporation	(51) G06K 19/07
19.11.2013	(72) ONO Yuji	G06K 19/077
10.12.2013	TAKEUCHI Hideto	(11) EP3091483
(33) Japan	(31) 2012007538	(21) EP15856392.4
Japan	(32) 17.01.2012	(47) 12.08.2020
Japan	(33) Japan	(87) JP2015080449
(51) G06K 9/00	(51) G06K 9/46	12.05.2016
(11) EP3019998	G06T 5/00	(22) 28.10.2015
(21) EP14822466.0	(11) EP3488412	(54) WIRELESS COMMUNICATION DEVICE,
(47) 12.08.2020	(21) EP17874192.2	METHOD FOR MANUFACTURING
(87) SE2014050830	(47) 12.08.2020	SAME, AND METHOD FOR
15.01.2015	(87) KR2017013596	PRODUCING SEAL FITTED WITH RFIC
(22) 01.07.2014	31.05.2018	ELEMENT
(54) FINGERPRINT SENSING DEVICE WITH	(22) 27.11.2017	(73) Murata Manufacturing Co., Ltd.
PROTECTIVE COATING	(54) IMAGE PROCESSING APPARATUS,	(72) KATO, Noboru
(73) Fingerprint Cards AB	IMAGE PROCESSING METHOD, AND	KOMAKI, Kunihiko
(72) LUNDAHL, Karl	COMPUTER-READABLE RECORDING	(31) 2014227195
(31) 13176103	MEDIUM THEREOF	2015044178
(32) 11.07.2013	(73) Samsung Electronics Co., Ltd.	(32) 07.11.2014
(33) European Patent Office (EPO)	(72) YAMAMOTO, Takahisa	06.03.2015
(51) G06K 9/00	KAWAUCHI, Ryota	(33) Japan
G06K 9/62	(31) 2016230013	Japan
G06N 3/04	2017171392	(51) G06K 19/07
G06N 3/08	20170153968	H04B 5/00
G06F 21/62	(32) 28.11.2016	(11) EP3196807
(11) EP3451209	06.09.2017	(21) EP16152025.9
(21) EP17188700.3	17.11.2017	(47) 12.08.2020
(47) 12.08.2020	(33) Japan	(22) 20.01.2016
(22) 31.08.2017	Japan	(54) SMART OBJECTS
(54) APPARATUS AND METHOD FOR	Korea (Republic)	(73) NXP B.V.
ANONYMIZING IMAGE CONTENT	(51) G06K 15/02	(72) MEINDL, Reinhard
(73) Nokia Technologies Oy	H04N 1/405	AMTMANN, Franz
(72) HONKALA, Mikko	(11) EP2574033	(51) G06K 19/077
KÄRKKÄINEN, Leo	(21) EP12185521.7	H05K 7/02
VETEK, Akos	(47) 12.08.2020	(11) EP3475882
HUTTUNEN, Janne	(22) 21.09.2012	(21) EP18755387.0
(51) G06K 9/00	(54) Print controlling apparatus, image	(47) 12.08.2020
H04L 29/06	forming apparatus, and method for	(87) SG2018050074
H04W 12/06	forming image	07.03.2019
G06F 21/31	(73) Hewlett-Packard Development Company,	(22) 15.02.2018
(11) EP3195524	L.P.	(54) INTEGRATED CIRCUIT MODULES AND
(21) EP14902087.7	(72) Danilevich, Alexey Bronislavovich	SMART CARDS INCORPORATING THE
(47) 12.08.2020	Safonov, Ilya Vladimirovich	SAME
(87) KR2014010290	(31) 2011138830	(73) Smartflex Technology Pte Ltd
24.03.2016	20120104948	(72) NG, Eng Seng
(22) 30.10.2014	(32) 22.09.2011	PANG, Sze Yong
(54) SYSTEMS AND METHODS FOR	21.09.2012	HENG, Cheng Kim
DEVICE BASED AUTHENTICATION	(33) Russian Federation	(31) PCT/SG2017/050423
(73) Samsung Electronics Co., Ltd.	Korea (Republic)	(32) 28.08.2017
(72) RACHURI, Kiran K.	(51) G06K 19/02	(33) World Intellectual Property Office (WIPO)
MUNGUIA-TAPIA, Emmanuel	G06K 19/077	(51) G06M 1/16
SRINIVASAN, Vijay	G08B 13/24	G06M 1/24
(31) 201414488087	H01Q 7/00	(11) EP2380117
(32) 16.09.2014	(11) EP3152741	(21) EP09805792.0
(33) United States of America	(21) EP14833324.8	(47) 12.08.2020
(51) G06K 9/00	(47) 12.08.2020	(87) FR2009052705
H04N 7/18	(87) US2014072534	08.07.2010
G06T 7/292	10.12.2015	(22) 28.12.2009
G06F 16/70	(22) 29.12.2014	(54) COUNTER FOR FLUID OR POWDER
(11) EP2806634	(54) MERCHANDISE TAGS	DISPENSER
(21) EP13738625.6	INCORPORATING A WIRELESS	(73) Aptar France SAS
(47) 12.08.2020	COMMUNICATION DEVICE	(72) LAUT, Antoine
(87) JP2013050209	(73) Avery Dennison Retail Information	(31) 0859142
25.07.2013	Services, LLC	(32) 30.12.2008
(22) 09.01.2013	(72) FORSTER, Ian, James	(33) France
	(31) 201462007597 P	

(51) G06Q 10/00 G06Q 30/02	(87) US2014013932 06.08.2015	(31) 201615165166 (32) 26.05.2016
(11) EP2939139	(22) 30.01.2014	(33) United States of America
(21) EP13866729.0 (47) 12.08.2020	(54) EMBEDDING DATA IN HALFTONE IMAGES	(51) G06T 7/00 (11) EP3379491
(87) US2013078302 03.07.2014	(73) Hewlett-Packard Development Company, L.P.	(21) EP18157804.8 (47) 12.08.2020
(22) 30.12.2013	(72) ULICHNEY, Robert	(22) 21.02.2018
(54) RE-RANKING STORY CONTENT	GAUBATZ, Matthew D	(54) SURFACE DEFECT DETECTION
(73) Facebook, Inc.	POLLARD, Stephen	(73) Rolls-Royce plc
(72) ST. CLAIR, Luke WEAVER, Daniel WATZMAN, Joshua, Van Dyke SCHAFER, Daniel	(51) G06T 3/00 G06T 3/40 G06T 3/60	(72) Ren, Ruo Xu Hung, Terence Chen, Tan-Kay
(31) 201213729634 201361808208 P 201314064079	(11) EP3067855 (21) EP16159444.5 (47) 12.08.2020	(31) 201704373 (32) 20.03.2017 (33) United Kingdom
(32) 28.12.2012 03.04.2013 25.10.2013	(22) 09.03.2016	(51) G06T 7/11
(33) United States of America United States of America United States of America	(54) IMAGE PROCESSING SYSTEM AND IMAGE PROCESSING METHOD	(11) EP3323002 (21) EP15898466.6 (47) 12.08.2020
(51) G06Q 10/06 G06Q 50/30 B64F 5/60	(73) Ricoh Company, Ltd. (72) MORIOKA, Makoto (31) 2015046943 (32) 10.03.2015 (33) Japan	(87) US2015051716 19.01.2017 (22) 23.09.2015 (54) METHOD AND SYSTEM FOR DETECTION OF CONTRABAND NARCOTICS IN HUMAN DIGESTIVE TRACT
(11) EP3229187 (21) EP17164590.6 (47) 12.08.2020 (22) 03.04.2017	(51) G06T 3/00 G06T 5/00	(73) Adani Systems, Inc. (72) PIATROU, Vadzim A. LINEV, Vladimir N.
(54) ON-BOARD STRUCTURAL LOAD ASSESSMENT OF AN AIRCRAFT DURING FLIGHT EVENTS	(11) EP3073440 (21) EP14791339.6 (47) 12.08.2020 (87) CN2014075372 06.11.2014	(31) 201514798926 (32) 14.07.2015 (33) United States of America
(73) The Boeing Company (72) KEARNS, Justin D. LI, Rongsheng HUSSAIN, Naveed ARIWODOLA, Kayode T. DAVIS, Christopher L. HAGELIN, Jack S. PADO, Lawrence E.	(22) 15.04.2014 (54) METHOD AND DEVICE FOR CORRECTING RECOVERY AND ANALYZING ALARM OF DISTORTED IMAGE	(51) G06T 7/11 G06T 7/174 G06T 7/187
(31) 201615090326 (32) 04.04.2016 (33) United States of America	(73) ZTE Corporation (72) CHEN, Bin (31) 201310598077 (32) 22.11.2013 (33) China	(11) EP3555852 (21) EP17828843.7 (47) 12.08.2020 (87) EP2017081111 21.06.2018 (22) 01.12.2017
(51) G06Q 10/10 G06F 16/93	(51) G06T 3/40 (11) EP3166068 (21) EP15306768.1 (47) 12.08.2020 (22) 06.11.2015	(54) METHOD OF SEGMENTING A 3D OBJECT IN A MEDICAL RADIATION IMAGE
(11) EP3049914 (21) EP14850053.1 (47) 12.08.2020	(54) METHOD FOR UPSCALING AN IMAGE AND APPARATUS FOR UPSCALING AN IMAGE	(73) Agfa Healthcare (72) OUJI, Asma
(87) US2014057459 02.04.2015	(73) Thomson Licensing (72) Perez Pellitero, Eduardo Salvador Marcos, Jordi Rosenhahn, Bodo Ruiz-Hidalgo, Javier	(31) 16203673 (32) 13.12.2016 (33) European Patent Office (EPO)
(22) 25.09.2014	(51) G06T 7/11 G06T 7/187	(51) G06T 7/11 G06T 7/187
(54) USER-INITIATED DATA RECOGNITION AND DATA CONVERSION PROCESS	(11) EP3526768 (21) EP17783983.4 (47) 12.08.2020 (87) GB2017053050 19.04.2018	(11) EP3526768 (21) EP17783983.4 (47) 12.08.2020 (87) GB2017053050 19.04.2018
(73) Chartspan Medical Technologies, Inc. (72) CARTER, Jon-Michial LAWLESS, David Van EVDOKIMOV, Ilya	(11) EP3465621 (21) EP17707709.6 (47) 12.08.2020 (87) US2017015610 30.11.2017	(22) 09.10.2017 (54) PROCESSING DIGITAL IMAGE TO REMOVE UNWANTED PORTION
(31) 201361882522 P (32) 25.09.2013 (33) United States of America	(22) 30.01.2017	(73) Fujitsu Limited (72) MENDES RODRIGUES, Eduarda GEORGESCU, Serban TOWNSEND, Joseph
(51) G06T 1/00 H04N 1/32 H04N 1/393 H04N 1/405	(54) SYSTEMS AND METHODS FOR FACILITATING TRACKING A TARGET IN AN IMAGED SCENE	(31) 201617444 (32) 14.10.2016 (33) United Kingdom
(11) EP3100448 (21) EP14880527.8 (47) 12.08.2020	(73) Raytheon Company (72) FRANKLIN, Craig R.	

<p>(51) G06T 7/20 G06T 7/254 (11) EP2624210 (21) EP13154097.3 (47) 12.08.2020 (22) 05.02.2013 (54) Multi-touch recognition apparatus and control method thereof (73) Samsung Electronics Co., Ltd. (72) Lee, Ji Hyo Roh, Kyung Shik Shim, Young Bo (31) 20120011831 (32) 06.02.2012 (33) Korea (Republic)</p> <hr/> <p>(51) G06T 7/33 (11) EP3414736 (21) EP16704430.4 (47) 12.08.2020 (87) EP2016052951 17.08.2017 (22) 12.02.2016 (54) METHOD AND SYSTEM FOR REGISTERING A PATIENT WITH A 3D IMAGE USING A ROBOT (73) Brainlab AG (72) STEINLE, Wolfgang HAMILTON, Christoffer FRIELINGHAUS, Nils</p> <hr/> <p>(51) G06T 11/20 (11) EP3223242 (21) EP16305337.4 (47) 12.08.2020 (22) 24.03.2016 (54) CURVE EDITING MECHANISM (73) Ecole Nationale de l'Aviation Civile (72) HURTER, Christophe</p> <hr/> <p>(51) G06T 11/60 (11) EP3279866 (21) EP16771291.8 (47) 12.08.2020 (87) CN2016076950 06.10.2016 (22) 22.03.2016 (54) METHOD AND APPARATUS FOR GENERATING SYNTHETIC PICTURE (73) Alibaba Group Holding Limited (72) ZHANG, Yu DU, Zhijun WANG, Nan DING, Wei HE, Qiang (31) 201510144685 (32) 30.03.2015 (33) China</p> <hr/> <p>(51) G06T 15/20 G06F 16/54 G06F 16/58 (11) EP3279803 (21) EP15886720.0 (47) 12.08.2020 (87) CN2015099164 06.10.2016 (22) 28.12.2015 (54) PICTURE DISPLAY METHOD AND DEVICE (73) Baidu Online Network Technology (Beijing) Co., Ltd.</p>	<p>(72) AI, Rui DU, Tangwu JIANG, Zhaoyan LIU, Li LANG, Xianpeng (31) 201510150163 (32) 31.03.2015 (33) China</p> <hr/> <p>(51) G06T 15/50 G06T 1/20 G06T 1/60 G06F 12/08 (11) EP3008700 (21) EP14811219.6 (47) 12.08.2020 (87) US2014041386 18.12.2014 (22) 06.06.2014 (54) FRAGMENT SHADERS PERFORM VERTEX SHADER COMPUTATIONS (73) Sony Interactive Entertainment Inc. (72) CERNY, Mark Evan SIMPSON, David SCANLIN, Jason (31) 201361833218 P 201414297231 (32) 10.06.2013 05.06.2014 (33) United States of America United States of America</p> <hr/> <p>(51) G06T 17/05 G06T 19/20 G06T 11/00 H04B 7/185 H04B 7/204 H04L 5/00 H04L 12/26 H04W 16/28 H04W 24/08 H04W 28/08 H04W 74/08 H04W 84/06 (11) EP3231103 (21) EP15868152.8 (47) 12.08.2020 (87) US2015064738 16.06.2016 (22) 09.12.2015 (54) SYSTEM AND METHOD FOR MONITORING OPERATIONS IN A SATELLITE COMMUNICATION SYSTEM (73) Hughes Network Systems, LLC (72) DURVASULA, Bhanu DASH, Pratap (31) 201414564785 (32) 09.12.2014 (33) United States of America</p> <hr/> <p>(51) G06T 19/00 G06F 3/0481 G06F 3/0484 G06F 3/0488 (11) EP2889738 (21) EP13306895.7 (47) 12.08.2020 (22) 30.12.2013</p>	<p>(54) Computer-implemented method for designing a three-dimensional modeled object (73) Dassault Systèmes (72) Gunther, Mathieu</p> <hr/> <p>(51) G06T 19/00 G06F 15/16 G06F 9/44 G06F 17/00 (11) EP2780826 (21) EP12850623.5 (47) 12.08.2020 (87) US2012064932 23.05.2013 (22) 14.11.2012 (54) BROWSER-BASED COLLABORATIVE DEVELOPMENT OF A 3D MODEL (73) Trimble Inc. (72) MILLER, Tyler LININGER, Scott JACKSON, Preston (31) 201161560205 P (32) 15.11.2011 (33) United States of America</p> <hr/> <p>(51) G06T 19/00 G06K 9/00 G06K 9/46 A63F 13/213 A63F 13/22 A63F 13/428 A63F 13/52 A63F 13/655 A63F 13/837 G06T 7/73 G06T 7/90 (11) EP3478383 (21) EP17740548.7 (47) 12.08.2020 (87) US2017040475 04.01.2018 (22) 30.06.2017 (54) OBJECT MODELING AND REPLACEMENT IN A VIDEO STREAM (73) Snap Inc. (72) SHABUROV, Victor KOTCUR, Sergei PYSCHCHENKO, Oleksandr MONASTYRSHYN, Yurii (31) 201615199482 (32) 30.06.2016 (33) United States of America</p> <hr/> <p>(51) G06T 19/20 A61B 5/05 (11) EP2247237 (21) EP09716309.1 (47) 12.08.2020 (87) US2009036416 11.09.2009 (22) 06.03.2009 (54) SYSTEM AND METHOD FOR INTERACTIVE LIVER LOBE SEGMENTATION (73) Edda Technology, Inc. (72) LIANG, Cheng-Chung FAN, Li MA, Feng WEI, Guo-Qing QIAN, Jian-Zhong</p>
---	--	---

ZENG, Xiaolan	(54) SYSTEM AND METHOD FOR	H04N 7/18
CHEN, Hong	PROVIDING PRIVACY IN SMART	(11) EP3314886
(31) 3434008 P	METER DEPLOYMENT	(21) EP16721281.0
(32) 06.03.2008	(73) Thales Dis France SA	(47) 12.08.2020
(33) United States of America	(72) LU, HongQuian Karen	(87) US2016026098
(51) G07B 15/06	GOUGET, Aline	29.12.2016
G01C 21/30	(31) 201313760248	(22) 06.04.2016
G08G 1/00	(32) 06.02.2013	(54) METHODS AND APPARATUS FOR
G01S 19/00	(33) United States of America	VIDEO WALL WITH FEED INDICATORS
(11) EP2887325	(51) G08B 13/14	(73) Raytheon Company
(21) EP14195455.2	(11) EP3304508	(72) GOTTSCHLICH, Susan N.
(47) 12.08.2020	(21) EP16800653.4	STONE, Brian
(22) 28.11.2014	(47) 12.08.2020	MERKERT, Raimund
(54) Virtual gantry detection in a GNSS	(87) US2016034026	GERECKE III, William Lawrence
system	01.12.2016	(31) 201514746888
(73) Q-Free ASA	(22) 25.05.2016	(32) 23.06.2015
(72) Lykkja, Ola Martin	(54) MERCHANDISE SECURITY SYSTEM	(33) United States of America
Löland, Anders	WITH OPTICAL COMMUNICATION	(51) G08B 17/06
Huseby, Ragnar	(73) InVue Security Products Inc.	G08B 17/107
Bolstad, Hans Christian	(72) FAWCETT, Christopher J.	(11) EP3539108
(31) 20131721	TAYLOR, Gary A.	(21) EP17801822.2
(32) 20.12.2013	BURTNESS, Kevin A.	(47) 12.08.2020
(33) Norway	(31) 201562167382 P	(87) US2017060864
(51) G07C 1/20	201562257380 P	17.05.2018
H04W 12/08	201562260693 P	(22) 09.11.2017
G06F 21/35	(32) 28.05.2015	(54) HIGH SENSITIVITY FIBER OPTIC
G07C 9/00	19.11.2015	BASED DETECTION
(11) EP3408837	30.11.2015	(73) Carrier Corporation
(21) EP17705945.8	(33) United States of America	(72) BIRNKRANT, Michael J.
(47) 12.08.2020	United States of America	ALEXANDER, Jennifer M.
(87) IB2017000036	United States of America	HARRIS, Peter R.
08.09.2017	(51) G08B 13/181	XI, Jie
(22) 26.01.2017	G08B 29/04	FANG, Hui
(54) SYSTEMS AND METHODS FOR	(11) EP3501017	CHEN, Yanzhi
REMOTE ACCESS RIGHTS AND	(21) EP17761824.6	(31) 201662420865 P
VERIFICATION	(47) 12.08.2020	(32) 11.11.2016
(73) Acsys IP Holding Inc.	(87) EP2017070686	(33) United States of America
(72) FARES, Ahmad	22.02.2018	(51) G08B 17/06
MEGANCK, David	(22) 15.08.2017	G08B 17/107
BELHADIA, Karim	(54) MOTION SENSOR WITH ANTIMASK	(11) EP3539100
MOURADIAN, Jean	PROTECTION	(21) EP17801261.3
(31) 201662287245 P	(73) Robert Bosch GmbH	(47) 12.08.2020
(32) 26.01.2016	(72) ALTMAN, Lev	(87) US2017060611
(33) United States of America	DIPOALA, William	17.05.2018
(51) G07F 11/44	(31) 201662376783 P	(22) 08.11.2017
G07F 17/00	(32) 18.08.2016	(54) HIGH SENSITIVITY FIBER OPTIC
(11) EP2756834	(33) United States of America	BASED DETECTION
(21) EP14157202.4	(51) G08B 13/196	(73) Carrier Corporation
(47) 12.08.2020	G08B 21/02	(72) BIRNKRANT, Michael J.
(22) 12.01.2012	G16H 10/60	ALEXANDER, Jennifer M.
(54) TABLET CASSETTE	G16H 40/63	HARRIS, Peter
(73) YUYAMA MFG. CO., LTD.	G16H 40/67	(31) 201662420603 P
(72) YUYAMA, Shoji	(11) EP3396567	201662425678 P
KOIKE, Naoki	(21) EP18169336.7	(32) 11.11.2016
(31) 2011006049	(47) 12.08.2020	23.11.2016
(32) 14.01.2011	(22) 25.04.2018	(33) United States of America
(33) Japan	(54) A WARNING SYSTEM AND METHOD	United States of America
(51) G07F 15/00	FOR ISSUING A MESSAGE RELATING	(51) G08B 21/22
H04L 29/06	TO AN ALARM	(11) EP3314593
G06Q 20/06	(73) Televic Healthcare NV	(21) EP16738376.9
(11) EP2954654	(72) De Smedt, Johannes Stefan M	(47) 12.08.2020
(21) EP14701061.5	Claeys, Bart Andre Simon	(87) EP2016064870
(47) 12.08.2020	(31) 201705297	29.12.2016
(87) EP2014051129	(32) 27.04.2017	(22) 27.06.2016
14.08.2014	(33) Belgium	(54) ELECTRONIC SURVEILLANCE
(22) 21.01.2014	(51) G08B 13/196	SYSTEM AND METHOD
	H04N 5/232	(73) Geosatis SA
	H04N 5/262	(72) FERNANDES DEMETRIO, José Carlos



(31) 9142015	(31) 201514614079	(11) EP3333836
(32) 25.06.2015	(32) 04.02.2015	(21) EP18154664.9
(33) Switzerland	(33) United States of America	(47) 12.08.2020
(51) G08C 17/02	(51) G08G 1/09	(22) 03.12.2015
G07C 9/00	G08G 1/0967	(54) ASSISTED OBJECT PLACEMENT IN A
(11) EP3314596	H04W 4/06	THREE-DIMENSIONAL VISUALIZATION
(21) EP16728225.0	H04W 4/14	SYSTEM
(47) 12.08.2020	(11) EP2932491	(73) Microsoft Technology Licensing, LLC
(87) EP2016060930	(21) EP13811842.7	(72) AMBRUS, Anthony
17.11.2016	(47) 12.08.2020	GHALY, Marcus
(22) 13.05.2016	(87) EP2013076249	POULOS, Adam
(54) METHOD FOR CONTROLLING A	19.06.2014	THOMAS, Michael
FUNCTIONALITY OF A VEHICLE BY	(22) 11.12.2013	PAULOVICH, Jon
MEANS OF A USER TERMINAL	(54) SYSTEM AND METHOD FOR	(31) 201414578123
(73) Valeo Comfort and Driving Assistance	PROVIDING ALERT NOTIFICATIONS	201514611005
(72) PETEL, Laurent	TO A VEHICLE OCCUPANT	(32) 19.12.2014
(31) 1554361	(73) TomTom Traffic B.V.	30.01.2015
(32) 13.05.2015	(72) FERNBACK, Sean	(33) United States of America
(33) France	SCHÄFER, Ralf-Peter	United States of America
(51) G08C 17/02	(31) 201222198	(51) G09G 5/14
H04L 12/28	(32) 11.12.2012	(11) EP2720220
(11) EP3340201	(33) United Kingdom	(21) EP13188023.9
(21) EP17203324.3	(51) G09C 1/00	(47) 12.08.2020
(47) 12.08.2020	H04L 9/08	(22) 10.10.2013
(22) 23.11.2017	(11) EP2738974	(54) Portable device and image displaying
(54) HOUSEHOLD APPLIANCE AND	(21) EP13194961.2	method thereof
METHOD AND DEVICE FOR	(47) 12.08.2020	(73) Samsung Electronics Co., Ltd
OPERATING A HOUSEHOLD	(22) 28.11.2013	(72) Koo, Min-soo
APPLIANCE	(54) Method for deriving multiple	Park, Seung-seop
(73) Miele & Cie. KG	cryptographic keys from a master key in	Cho, Sung-hyun
(72) Müller, Christoph	a security microprocessor	Han, Kyung-hoon
Gey, Michael	(73) Spirtech	Lee, Chae-kyung
(31) 102016125606	(72) Grieu, François	Heo, Jung-ah
(32) 23.12.2016	(31) 1261385	(31) 20120112650
(33) Germany	(32) 29.11.2012	(32) 10.10.2012
(51) G08C 23/04	(33) France	(33) Korea (Republic)
H04B 10/116	(51) G09F 9/30	(51) G10K 11/175
(11) EP3451555	G09F 11/00	G10K 15/04
(21) EP18192710.4	G09F 15/00	(11) EP3341932
(47) 12.08.2020	G09F 19/22	(21) EP16840149.5
(22) 05.09.2018	(11) EP3217382	(47) 12.08.2020
(54) OPTICAL TRANSMISSION	(21) EP17156151.7	(87) US2016048761
METHOD AND DEVICE FOR BANK	(47) 12.08.2020	02.03.2017
TRANSACTIONS	(22) 14.02.2017	(22) 25.08.2016
(73) ORANGE	(54) FRONT OF DIGITAL DISPLAY PANEL,	(54) MACHINE AND METHOD FOR
(72) BOUCHET, Olivier	ASSOCIATED DIGITAL DISPLAY PANEL	ACOUSTIC WHITE NOISE
PERRUFEL, Micheline	AND INSTALLATION METHOD	GENERATION
CUTULLIC, Christophe	(73) Prismaflex International	(73) Snooz, LLC
DUSSAUME, Philippe	(72) DULIEU, William	(72) LAZAR, Eli
(31) 1758160	(31) 1651941	SNYDER, Matthew
(32) 05.09.2017	(32) 08.03.2016	(31) 201562209852 P
(33) France	(33) France	(32) 25.08.2015
(51) G08G 1/01	(51) G09G 3/00	(33) United States of America
G08G 1/081	(11) EP3180784	(51) G10L 15/01
G08G 1/095	(21) EP15756730.6	(11) EP2891147
G08G 1/0967	(47) 12.08.2020	(21) EP12883743.2
H04W 28/02	(87) US2015044874	(47) 12.08.2020
(11) EP3054721	18.02.2016	(87) US2012053061
(21) EP16154052.1	(22) 12.08.2015	06.03.2014
(47) 12.08.2020	(54) MANAGEMENT FOR WEARABLE	(22) 30.08.2012
(22) 03.02.2016	DISPLAY	(54) METHOD AND SYSTEM FOR
(54) TRAFFIC ADJUSTMENT FOR	(73) Qualcomm Incorporated	PREDICTING SPEECH RECOGNITION
VARIABLE NETWORK STATE	(72) SHEN, Jian	PERFORMANCE USING ACCURACY
(73) HERE Global B.V.	(31) 201414460306	SCORES
(72) Harris, John M	(32) 14.08.2014	(73) Interactive Intelligence, INC.
Modica, Leo	(33) United States of America	(72) GANAPATHIRAJU, Aravind
Moore, Brian	(51) G09G 3/00	TAN, Yingyi
Stevens, Paul		WYSS, Felix, Immanuel

RANDAL, Scott, Allen	(31) 2011006211	(54) DEVICE AND METHOD FOR
(51) G10L 15/02	2011054919	BANDWIDTH EXTENSION FOR
G10L 17/02	(32) 14.01.2011	ACOUSTIC SIGNALS
G10L 17/18	14.03.2011	(73) Fraunhofer-Gesellschaft zur Förderung
(11) EP3201912	(33) Japan	der angewandten Forschung e.V.
(21) EP15781513.5	Japan	(72) NAGISETTY, Srikanth
(47) 12.08.2020	(51) G10L 19/005	LIU, Zongxian
(87) US2015053380	G10L 19/02	(31) 2013122985
07.04.2016	G10L 19/083	(32) 11.06.2013
(22) 01.10.2015	G10L 19/12	(33) Japan
(54) NEURAL NETWORK-BASED SPEECH	G10L 19/20	(51) G10L 19/04
PROCESSING	G10L 19/24	G10L 19/20
(73) Microsoft Technology Licensing, LLC	(11) EP3186806	G10L 21/02
(72) STOLCKE, Andreas	(21) EP15753061.9	G10L 21/038
SLANEY, Malcolm	(47) 12.08.2020	(11) EP2937861
YELLA, Sree Harsha	(87) EP2015069348	(21) EP13873224.3
(31) 201414504722	03.03.2016	(47) 12.08.2020
(32) 02.10.2014	(22) 24.08.2015	(87) CN2013076408
(33) United States of America	(54) ENCODER, DECODER AND	07.08.2014
(51) G10L 15/16	METHOD FOR ENCODING AND	(22) 29.05.2013
G10L 15/20	DECODING AUDIO CONTENT USING	(54) PREDICTION METHOD AND CODING/
G10L 21/0216	PARAMETERS FOR ENHANCING A	DECODING DEVICE FOR HIGH
(11) EP3381033	CONCEALMENT	FREQUENCY BAND SIGNAL
(21) EP16826635.1	(73) Fraunhofer-Gesellschaft zur Förderung	(73) Huawei Technologies Co., Ltd.
(47) 12.08.2020	der angewandten Forschung e.V.	(72) LIU, Zexin
(87) US2016068800	(72) LECOMTE, Jérémie	MIAO, Lei
28.09.2017	SCHUBERT, Benjamin	QI, Fengyan
(22) 28.12.2016	SCHNABEL, Michael	(31) 201310033625
(54) ADAPTIVE AUDIO ENHANCEMENT	DIETZ, Martin	(32) 29.01.2013
FOR MULTICHANNEL SPEECH	(31) 14182553	(33) China
RECOGNITION	15164126	(51) G11C 16/04
(73) Google LLC	(32) 27.08.2014	G11C 16/06
(72) LI, Bo	17.04.2015	G11C 16/08
WEISS, Ron J.	(33) European Patent Office (EPO)	G11C 16/10
BACCHIANI, Michiel A.U.	European Patent Office (EPO)	G11C 16/34
SAINATH, Tara N.	(51) G10L 19/008	(11) EP3361478
WILSON, Kevin William	G10L 19/22	(21) EP18164948.4
(31) 201662312053 P	G10L 19/24	(47) 12.08.2020
(32) 23.03.2016	(11) EP3123470	(22) 27.03.2015
(33) United States of America	(21) EP15719835.9	(54) RAMPING INHIBIT VOLTAGE DURING
(51) G10L 15/19	(47) 12.08.2020	MEMORY PROGRAMMING
(11) EP3360129	(87) JP2015001432	(73) INTEL Corporation
(21) EP16809254.2	01.10.2015	(72) RAJWADE, Shantanu
(47) 12.08.2020	(22) 16.03.2015	KALAVADE, Pranav
(87) US2016062753	(54) ENCODING DEVICE AND ENCODING	MIELKE, Neal
10.08.2017	METHOD, DECODING DEVICE AND	PARAT, Krishna
(22) 18.11.2016	DECODING METHOD, AND PROGRAM	RAGHUNATHAN, Shyam Sunder
(54) RE-RECOGNIZING SPEECH WITH	(73) Sony Corporation	(31) 201414228245
EXTERNAL DATA SOURCES	(72) CHINEN, Toru	(32) 27.03.2014
(73) Google LLC	NISHIGUCHI, Masayuki	(33) United States of America
(72) STROHMAN, Trevor D.	SHI, Runyu	(51) G16H 15/00
SCHALKWYK, Johan	HATANAKA, Mitsuyuki	G16H 20/10
SKOBELTSYN, Gleb	YAMAMOTO, Yuki	G16H 20/17
(31) 201615016609	(31) 2014060486	G16H 50/20
(32) 05.02.2016	2014136633	G16H 50/50
(33) United States of America	(32) 24.03.2014	(11) EP2535831
(51) G10L 19/00	02.07.2014	(21) EP12183904.7
G10L 25/06	(33) Japan	(47) 12.08.2020
G10L 25/21	Japan	(22) 30.03.2007
(11) EP3285253	(51) G10L 19/02	(54) Diabetes management methods and
(21) EP17159708.1	G10L 19/035	systems
(47) 12.08.2020	G10L 21/0388	(73) Lifescan, Inc.
(22) 14.12.2011	(11) EP3010018	(72) Otto, Erik
(54) METHOD FOR CODING A SPEECH/	(21) EP14811296.4	Horwitz, David
SOUND SIGNAL	(47) 12.08.2020	Harmon Kirk
(73) III Holdings 12, LLC	(87) JP2014003103	Sharma, Manoj
(72) YAMANASHI, Tomofumi	18.12.2014	(31) 395024
MORII, Toshiyuki	(22) 10.06.2014	(32) 31.03.2006

(33) United States of America	(22) 15.04.2016	(22) 25.04.2014
(51) G16H 30/00	(54) PLASMA DIAGNOSIS SYSTEM USING MULTIPLE PATH THOMSON SCATTERING	(54) ALIGNED PARTICLE COATING
(11) EP2946319	(73) Industry-University Cooperation Foundation Sogang University	(73) Hewlett-Packard Development Company, L.P.
(21) EP14708097.2	(72) CHO, Kyu Man	(72) CHUN, Doris
(47) 12.08.2020	YOON, Seung Hyun	LEONI, Napoleon J.
(87) IL2014050043	(72) CHO, Kyu Man	(51) H01C 7/102
24.07.2014	YOON, Seung Hyun	H01C 7/12
(22) 15.01.2014	AHN, Wha-Keun	(11) EP3413320
(54) CALCULATING A FRACTIONAL FLOW RESERVE	PARK, Jun Gyu	(21) EP18190872.4
(73) Cathworks Ltd.	(31) 20160002611	(47) 12.08.2020
(72) LAVI, Ifat	(32) 08.01.2016	(22) 25.08.2018
KORNOWSKI, Ran	(33) Korea (Republic)	(54) OVERVOLTAGE PROTECTION DEVICE INCLUDING MULTIPLE VARISTOR WAFERS
AVRAHAMI, Idit	(51) G21C 15/25	(73) RIPD Research and IP Development Ltd.
BENISHTI, Nessi	G21C 17/017	(72) TAVCAR, Tine
LAVI, Guy	(11) EP3454345	RUSTJA, Sasa
(31) 201361752526 P	(21) EP18191687.5	CHOROZOGLU, Alexis
201314040688	(47) 12.08.2020	PEPPAS, George
PCT/IL2013/050869	(22) 30.08.2018	XEPAPAS, Fotis
(32) 15.01.2013	(54) METHOD OF CLEANING A NOZZLE OF A JET PUMP ASSEMBLY OF A NUCLEAR REACTOR	POLITIS, Zafiris G.
29.09.2013	(73) GE-Hitachi Nuclear Energy Americas LLC	(31) 201715795986
24.10.2013	(72) WELSH, Christopher Martin	(32) 27.10.2017
(33) United States of America	(31) 201715696537	(33) United States of America
United States of America	(32) 06.09.2017	(51) H01C 7/12
World Intellectual Property Office (WIPO)	(33) United States of America	(11) EP3048617
(51) G16H 30/20	(51) G21C 15/25	(21) EP15152476.6
G16H 50/50	G21C 17/017	(47) 12.08.2020
(11) EP2245569	(11) EP3454344	(22) 26.01.2015
(21) EP08789145.3	(21) EP18191689.1	(54) Surge absorber
(47) 12.08.2020	(47) 12.08.2020	(73) Siemens Aktiengesellschaft
(87) IB2008051807	(22) 30.08.2018	(72) Sulitze, Markus
03.09.2009	(54) METHOD OF CLEANING A THROAT SECTION OF A JET PUMP ASSEMBLY OF A NUCLEAR REACTOR	(51) H01F 1/00
(22) 29.02.2008	(73) GE-Hitachi Nuclear Energy Americas LLC	(11) EP3503129
(54) MEDICAL IMAGING METHOD AND SYSTEM FOR PROVIDING A FINITE-ELEMENT MODEL	(72) WELSH, Christopher Martin	(21) EP18214311.5
(73) Ecole Nationale Supérieure d'Arts et Métiers (ENSAM)	(31) 201715696595	(47) 12.08.2020
Centre National de la Recherche Scientifique (CNRS)	(32) 06.09.2017	(22) 20.12.2018
(72) SKALLI, Wafa	(33) United States of America	(54) MAGNETIC BEADS AND THE MANUFACTURING METHOD THEREOF
MITTON, David	(51) G21K 1/02	(73) Industrial Technology Research Institute
DUBOUSSET, Jean	(11) EP2907142	(72) CHEN, Chien-An
LAVASTE, François	(21) EP13792491.6	CHEN, Cheng-Tai
(51) G16H 50/20	(47) 12.08.2020	JIANG, Pei-Shin
G16H 50/70	(87) IB2013059313	(31) 201762609343 P
(11) EP3022670	17.04.2014	(32) 22.12.2017
(21) EP14747414.2	(22) 11.10.2013	(33) United States of America
(47) 12.08.2020	(54) A TILTING COLLIMATOR, IN PARTICULAR FOR SINGLE-PHOTON EMISSION COMPUTED TOMOGRAPHY	(51) H01F 6/00
(87) IB2014062611	(73) Kay Systems Italia S.r.l.	H01F 27/36
22.01.2015	Università degli Studi di Roma "La Sapienza"	H01F 29/14
(22) 26.06.2014	(72) PANI, Roberto	H02H 9/02
(54) IMAGING BASED RESPONSE CLASSIFICATION OF A TISSUE OF INTEREST TO A THERAPY TREATMENT	(31) RM20120485	(11) EP2671298
(73) Koninklijke Philips N.V.	(32) 11.10.2012	(21) EP12742287.1
(72) CARMI, Raz	(33) Italy	(47) 12.08.2020
(31) 201361846242 P	(51) H01B 1/22	(87) AU2012000090
(32) 15.07.2013	H01B 3/00	09.08.2012
(33) United States of America	G02F 1/167	(22) 03.02.2012
(51) G21B 1/23	(11) EP3134768	(54) FAULT CURRENT LIMITER WITH SHIELD AND ADJACENT CORES
G21K 1/10	(21) EP14889791.1	(73) ASG Superconductors S.p.A.
(11) EP3401919	(47) 12.08.2020	(72) DARMANN, Francis Anthony
(21) EP16883937.1	(87) US2014035433	MORICONI, Franco
(47) 12.08.2020	29.10.2015	HODGE, Eoin Patrick
(87) KR2016003951		(31) 201113020323
13.07.2017		(32) 03.02.2011
		(33) United States of America
		(51) H01F 17/06

H01F 27/245	(54) INDUCTIVE POWER TRANSFER	(73) Schneider Electric Industries SAS
H01F 27/32	CONTROL USING ENERGY INJECTION	(72) HERAUD, Sébastien
H01F 27/36	(73) Auckland UniServices Limited	DELARMINE, Grigori
H01F 30/06	(72) BUDGETT, David Mortimer	(31) 1762775
(11) EP3190595	HU, Aiguo	(32) 21.12.2017
(21) EP16205134.6	LEUNG, Ho Yan (Alex)	(33) France
(47) 12.08.2020	MCCORMICK, John Daniel	(51) H01H 1/20
(22) 19.12.2016	(31) 60276712	H01H 9/10
(54) SATURATION RESISTANT	60290312	H01H 9/44
ELECTROMAGNETIC DEVICE	(32) 01.10.2012	H01H 21/16
(73) The Boeing Company	09.10.2012	H01H 85/02
(72) PECK, Jr. James L.	(33) New Zealand	(11) EP3266029
(31) 201614988318	New Zealand	(21) EP16709246.9
(32) 05.01.2016	(51) H01G 2/22	(47) 12.08.2020
(33) United States of America	H01G 4/14	(87) US2016020199
(51) H01F 27/26	H01G 4/252	15.09.2016
H01Q 7/06	H01G 4/30	(22) 01.03.2016
(11) EP3319174	H01G 4/33	(54) HIGH VOLTAGE COMPACT FUSIBLE
(21) EP16002348.7	H01L 49/02	DISCONNECT SWITCH DEVICE
(47) 12.08.2020	(11) EP3462508	WITH MAGNETIC ARC DEFLECTION
(22) 04.11.2016	(21) EP18197797.6	ASSEMBLY
(54) A MAGNETIC POWER UNIT	(47) 12.08.2020	(73) Eaton Intelligent Power Limited
(73) Premo, S.A.	(22) 28.09.2018	(72) DOUGLASS, Robert Stephen
(72) ROJAS CUEVAS, Antonio	(54) HIGH-VOLTAGE CAPACITOR, SYSTEM	(31) 201514640678
NAVARRO PÉREZ, Francisco Ezequiel	INCLUDING THE CAPACITOR, AND	(32) 06.03.2015
RODRÍGUEZ, Jorge	METHOD FOR MANUFACTURING THE	(33) United States of America
ARCOS MORENO, Marina	CAPACITOR	(51) H01H 3/26
FOUASSIER, Patrick	(73) STMicroelectronics S.r.l.	H01H 3/30
RODRÍGUEZ, Raquel	(72) PATTI, Davide Giuseppe	H02P 27/08
(51) H01F 38/14	VALVO, Giuseppina	H02P 6/08
H01R 13/514	SANFILIPPO, Delfo Nunziato	H02P 7/29
H01R 13/62	(31) 201700108913	(11) EP3491655
H01R 13/66	(32) 28.09.2017	(21) EP17768705.0
H01R 25/00	(33) Italy	(47) 12.08.2020
H01R 29/00	(51) H01G 9/00	(87) EP2017072142
H04B 5/00	H01G 9/028	29.03.2018
H02J 50/10	H01G 9/035	(22) 05.09.2017
H02J 50/90	(11) EP3104380	(54) MOTOR DEVICE FOR A SWITCH
(11) EP3089279	(21) EP15746932.1	DRIVE OF AN ELECTRICAL SWITCH
(21) EP16167290.2	(47) 12.08.2020	(73) Siemens Aktiengesellschaft
(47) 12.08.2020	(87) JP2015052395	(72) HILKER, Thomas
(22) 30.09.2014	13.08.2015	(31) 102016218334
(54) A CONNECTOR FOR EXCHANGING	(22) 28.01.2015	(32) 23.09.2016
POWER AND DATA VIA INDUCTIVE	(54) SOLID ELECTROLYTIC CAPACITOR	(33) Germany
MEANS	AND PRODUCTION METHOD FOR	(51) H01H 9/10
(73) Apple Inc.	SAME	H01H 39/00
(72) BOSSCHER, Nathan P.	(73) Nippon Chemi-Con Corporation	(11) EP3622548
JOL, Eric S.	(72) KOSEKI, Kazuya	(21) EP18718831.3
GOLKO, Albert J.	SAKAKURA, Masao	(47) 12.08.2020
TERLIZZI, Jeffrey J.	(31) 2014020718	(87) EP2018060212
MINOO, Jahan C.	2014242367	15.11.2018
(31) 201361884730 P	(32) 05.02.2014	(22) 20.04.2018
201414500556	28.11.2014	(54) PYROTECHNIC CIRCUIT BREAKER
(32) 30.09.2013	(33) Japan	AND SUPPLY SYSTEM HAVING A
29.09.2014	Japan	PYROTECHNIC CIRCUIT BREAKER
(33) United States of America	(51) H01H 1/04	(73) LEONI Bordnetz-Systeme GmbH
United States of America	H01H 3/00	(72) CHALIL, Tzeichoun
(51) H01F 38/14	H01H 37/52	STEINER, Peter
H02M 3/156	H01H 71/16	(31) 102017207736
H02M 3/335	H01H 71/40	(32) 08.05.2017
H02J 7/02	(11) EP3503155	(33) Germany
H02J 50/10	(21) EP18215737.0	(51) H01H 9/54
(11) EP2907147	(47) 12.08.2020	H01H 33/59
(21) EP13843553.2	(22) 21.12.2018	H02H 3/087
(47) 12.08.2020	(54) TRIGGER FOR AN ELECTRICAL	(11) EP3321949
(87) NZ2013000184	SWITCHING APPARATUS AND	(21) EP17168291.7
10.04.2014	ELECTRICAL SWITCHING APPARATUS	(47) 12.08.2020
(22) 01.10.2013	INCLUDING SUCH A TRIGGER	(22) 26.04.2017

(54) DC CIRCUIT BREAKER BASED ON MAGNETIC INDUCTION COMMUTATION CIRCUIT	(31) 102016103220 102016109962 102016109961 202016103239 U	(33) United States of America
(73) Xi'an Jiaotong University	(32) 24.02.2016	(51) H01J 37/302
(72) RONG, Mingzhe	31.05.2016	H01J 37/317
WU, Yi	31.05.2016	(11) EP3460824
WU, Yifei	20.06.2016	(21) EP18190410.3
YANG, Fei	(33) Germany	(47) 12.08.2020
NIU, Chunping	Germany	(22) 23.08.2018
(31) 201610993328	Germany	(54) DOSE-RELATED FEATURE
(32) 11.11.2016	Germany	RESHAPING IN AN EXPOSURE
(33) China	Germany	PATTERN TO BE EXPOSED IN A MULTI
(51) H01H 9/54	(51) H01J 29/00	BEAM WRITING APPARATUS
H01H 33/59	H01J 29/18	(73) IMS Nanofabrication GmbH
H02H 3/087	H01J 31/12	(72) Platzgummer, Elmar
(11) EP3321948	(11) EP3493238	Spengler, Christoph
(21) EP17168262.8	(21) EP18207729.7	Naetar, Wolf
(47) 12.08.2020	(47) 12.08.2020	(31) 17187922
(22) 26.04.2017	(22) 22.11.2018	(32) 25.08.2017
(54) DC CIRCUIT BREAKER BASED ON COMBINATION OF DAMPING CIRCUIT AND MAGNETIC INDUCTION COMMUTATION CIRCUIT	(54) STRUCTURE FOR CONTROLLING FLASHOVER IN MEMS DEVICES	(33) European Patent Office (EPO)
(73) Xi'an Jiaotong University	(73) Elbit Systems of America, LLC	(51) H01J 37/32
(72) WU, Yi	(72) Smith, Arlynn W.	(11) EP3127137
RONG, Mingzhe	Chilcott, Dan	(21) EP15725704.9
WU, Yifei	(31) 201715829325	(47) 12.08.2020
YANG, Fei	(32) 01.12.2017	(87) FR2015050765
NIU, Chunping	(33) United States of America	08.10.2015
(31) 201610993329	(51) H01J 37/05	(22) 26.03.2015
(32) 11.11.2016	H01J 37/22	(54) METHOD AND DEVICE FOR
(33) China	H01J 37/26	GENERATING A MICROWAVE PLASMA
(51) H01H 25/04	(11) EP3389079	IN THE FIELD OF ELECTRONIC
H03K 17/955	(21) EP18167278.3	CYCLOTRONIC RESONANCE
(11) EP3214762	(47) 12.08.2020	(73) H.E.F.
(21) EP17157518.6	(22) 13.04.2018	Luxembourg Institute of Science and
(47) 12.08.2020	(54) ELECTRON MICROSCOPE	Technology (LIST)
(22) 23.02.2017	(73) JEOL LTD.	(72) BLANDENET, Olivier
(54) INPUT APPARATUS	(72) MUKAI, Masaki	LAGARDE, Thierry Léon
(73) Alps Alpine Co., Ltd.	(31) 2018080367	CHOQUET, Patrick
(72) Sasaki, Takayuki	(32) 14.04.2017	DUDAY, David
Yamagata, Kazuyoshi	(33) Japan	(31) 1453000
(31) 2016040965	(51) H01J 37/153	(32) 04.04.2014
(32) 03.03.2016	(11) EP3518269	(33) France
(33) Japan	(21) EP19153107.8	(51) H01J 37/32
(51) H01H 85/02	(47) 12.08.2020	H01J 37/34
H01H 85/041	(22) 22.01.2019	H01L 21/02
H01H 85/045	(54) ABERRATION CORRECTOR AND	H01L 21/203
H01H 85/046	ELECTRON MICROSCOPE WITH	(11) EP3117449
H01H 85/08	SUCH CORRECTOR	(21) EP15762097.2
H01H 85/10	(73) Jeol Ltd.	(47) 12.08.2020
H01H 85/11	(72) SAWADA, Hidetaka	(87) US2015016060
H01H 85/153	(31) 2018009999	17.09.2015
H01H 85/175	(32) 24.01.2018	(22) 16.02.2015
H05K 1/02	(33) Japan	(54) SMART CHAMBER AND SMART
(11) EP3420575	(51) H01J 37/28	CHAMBER COMPONENTS
(21) EP17707280.8	(11) EP3454357	(73) Applied Materials, Inc.
(47) 12.08.2020	(21) EP18203476.9	(72) BINNS, Simon Nicholas
(87) EP2017054307	(47) 12.08.2020	WEST, Brian T.
31.08.2017	(22) 30.09.2014	SCHAUER, Ronald Vern
(22) 24.02.2017	(54) CHARGED PARTICLE BEAM SYSTEM	JOHNSON, Roger M.
(54) ELECTRIC FUSE DEVICE	AND METHOD OF OPERATING THE	COX, Michael S.
(73) Lisa Dräxlmaier GmbH	SAME	(31) 201461953428 P
(72) STANGLMEIER, Rainer	(73) Carl Zeiss Microscopy GmbH	201461954458 P
KERBER, Alfred	Applied Materials Israel, Ltd.	(32) 14.03.2014
WORTBERG, Michael	(72) Schubert, Stefan	17.03.2014
NIEDERMEIER, Benedikt	Kemen, Thomas	(33) United States of America
JAHN, Matthias	Knippelmeyer, Rainer	United States of America
	(31) 201361884218 P	(51) H01J 49/00
	(32) 30.09.2013	(11) EP3086354
		(21) EP16163872.1
		(47) 12.08.2020
		(22) 05.04.2016

(54) A METHOD OF PRODUCING A MASS SPECTRUM	(54) METHOD OF STACKING DIE HAVING THROUGH-WAFER VIAS USING ALIGNMENT FEATURES	201261671607 P 201213724038
(73) Thermo Fisher Scientific (Bremen) GmbH	(32) 13.01.2012	
(72) AIZIKOV, Konstantin GRINFELD, Dmitry MAKAROV, Alexander	(73) Micron Technology, Inc. (72) PRATT, Dave (31) 101776	13.07.2012 21.12.2012
(31) 15165127	(31) 101776	(33) United States of America
(32) 24.04.2015	(32) 11.04.2008	United States of America
(33) European Patent Office (EPO)	(33) United States of America	United States of America
(51) H01L 21/3213	(51) H01L 21/67	(51) H01L 21/822
H01L 21/324	(11) EP3529829	H01L 27/04
H01L 21/34	(21) EP17787030.0	H02J 1/00
H01L 27/12	(47) 12.08.2020	H03K 17/16
H01L 29/10	(87) IB2017056358	H03K 17/56
H01L 29/45	26.04.2018	(11) EP3062443
H01L 29/66	(22) 13.10.2017	(21) EP14856600.3
H01L 29/786	(54) METHOD AND MACHINING APPARATUS	(47) 12.08.2020
(11) EP3121840	(73) Manz Italy S.r.l.	(87) JP2014076487
(21) EP15882903.6	(72) SALE, Massimiliano	30.04.2015
(47) 12.08.2020	(31) 201600105300	(22) 03.10.2014
(87) CN2015091540	(32) 19.10.2016	(54) SENSOR DEVICE
17.11.2016	(33) Italy	(73) Hitachi Automotive Systems, Ltd.
(22) 09.10.2015	(51) H01L 21/67	(72) ASANO Satoshi
(54) THIN-FILM TRANSISTOR AND PREPARATION METHOD THEREFOR, ARRAY SUBSTRATE, AND DISPLAY PANEL	(51) H01L 21/68	MATSUMOTO Masahiro
(73) BOE Technology Group Co., Ltd. South China University of Technology	(11) EP2221866	NAKANO Hiroshi
(72) YUAN, Guangcai YAN, Liangchen XU, Xiaoguang WANG, Lei PENG, Junbiao LAN, Linfeng	(21) EP10165359.0 (47) 12.08.2020 (22) 07.01.2005	TASHIRO Shinobu
(31) 201510232985	(54) Stacking apparatus and method for stacking integrated circuit elements	(31) 2013219737
(32) 08.05.2015	(73) Nikon Corporation	(32) 23.10.2013
(33) China	(72) Okamoto, Kazuya	(33) Japan
(51) H01L 21/56	(31) 2004002081	(51) H01L 21/8238
H01L 23/29	(32) 07.01.2004	H01L 21/84
(11) EP2469590	(33) Japan	H01L 27/092
(21) EP11009284.8	(51) H01L 21/683	H01L 27/12
(47) 12.08.2020	H01L 21/8252	H01L 29/04
(22) 23.11.2011	H01L 23/66	H01L 29/10
(54) Fiber-containing resin substrate for sealing semiconductor devices or a wafer and a method of sealing a semiconductor apparatus using a fiber-containing resin substrate	H01P 3/08	H01L 29/165
(73) Shin-Etsu Chemical Co., Ltd.	(11) EP3080842	H01L 29/66
(72) Sekiguchi, Susumu Shiobara, Toshio	(21) EP14799647.4	H01L 29/778
(31) 2010289900	(47) 12.08.2020	(11) EP3084812
(32) 27.12.2010	(87) US2014064019	(21) EP13899638.4
(33) Japan	18.06.2015	(47) 12.08.2020
(51) H01L 21/60	(22) 05.11.2014	(87) US2013075452
H01L 21/98	(54) METHODS FOR FORMING MICROSTRIP TRANSMISSION LINES ON THIN SILICON WAFERS	25.06.2015
H01L 23/48	(73) Raytheon Company	(22) 16.12.2013
H01L 23/485	(72) LAROCHE, Jeffrey, R.	(54) NMOS AND PMOS STRAINED DEVICES WITHOUT RELAXED SUBSTRATES
H01L 23/544	(31) 201314105497	(73) Intel Corporation
H01L 25/065	(32) 13.12.2013	(72) CEA, Stephen M. KOTLYAR, Roza KENNEL, Harold W. MURTHY, Anand S. GLASS, Glenn A. KUHN, Kelin J. GHANI, Tahir
H01L 29/06	(33) United States of America	
(11) EP2281305	(51) H01L 21/768	(51) H01L 21/98
(21) EP09729476.3	H01L 23/48	H01L 23/31
(47) 12.08.2020	(11) EP2803081	H01L 25/065
(87) US2009037418	(21) EP13703655.4	H01L 25/10
15.10.2009	(47) 12.08.2020	(11) EP2308087
(22) 17.03.2009	(87) US2013021342	(21) EP09767074.9
	18.07.2013	(47) 12.08.2020
	(22) 12.01.2013	(87) US2009003643
	(54) INTEGRATING THROUGH SUBSTRATE VIAS INTO MIDDLE-OF-LINE LAYERS OF INTEGRATED CIRCUITS	23.12.2009
	(73) Qualcomm Incorporated	(22) 15.06.2009
	(72) RAMACHANDRA, Vidhya GU, Shiqun	(54) STACKING OF WAFER-LEVEL CHIP SCALE PACKAGES HAVING EDGE CONTACTS
	(31) 201261586463 P	(73) Tessera, Inc.

(72) HABA, Belgacem MOHAMMED, Ilyas MIRKARIMI, Laura KRIMAN, Moshe	(54) RF POWER TRANSISTORS WITH IMPEDANCE MATCHING CIRCUITS, AND METHODS OF MANUFACTURE THEREOF	MRUTHYUNJAYA, Ravi, K. JANG, Jin MATIVENGA, Mallory UM, Jae, Gwang BILLAH, Mohammed, Masum
(31) 61953	(73) NXP USA, Inc.	(31) 201562146439 P
(32) 16.06.2008	(72) Zhu, Ning	201562221645 P
(33) United States of America	Holmes, Damon G.	(32) 13.04.2015
(51) H01L 23/00	Jones, Jeffrey K	22.09.2015
H01L 27/02	(31) 201514919513	(33) United States of America
(11) EP2912687	(32) 21.10.2015	United States of America
(21) EP13795184.4	(33) United States of America	
(47) 12.08.2020	(51) H01L 25/16	(51) H01L 27/15
(87) EP2013072447	H01L 27/15	H01L 33/20
01.05.2014	H01L 33/00	H01L 33/38
(22) 25.10.2013	H01L 33/32	H01L 33/62
(54) INDIVIDUALISED VOLTAGE SUPPLY OF INTEGRATED CIRCUITS COMPONENTS AS PROTECTIVE MEANS AGAINST SIDE CHANNEL ATTACKS	H01L 33/50	(11) EP2731137
(73) IHP GmbH-Innovations for High Performance Microelectronics / Leibniz- Institut für innovative Mikroelektronik	(11) EP3503222	(21) EP13192161.1
(72) DYKA, Zoya LANGENDORFER, Peter	(21) EP18213127.6	(47) 12.08.2020
(31) 102012219661	(47) 12.08.2020	(22) 08.11.2013
(32) 26.10.2012	(22) 17.12.2018	(54) Light emitting device
(33) Germany	(54) METHOD FOR MANUFACTURING AN OPTOELECTRONIC DEVICE BY TRANSFERRING A CONVERSION STRUCTURE ONTO AN EMISSION STRUCTURE	(73) LG Innotek Co., Ltd.
(51) H01L 23/04	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives	(72) Kim, Sung Kyoong
H01L 23/047	Thales	Beom, Hee Young
H01L 23/13	(72) DUSSAIGNE, Amélie	Ju, Hyun Seoung
H01L 23/66	ROBIN, Ivan-Christophe	Choi, Byung Yeon
(11) EP3176817	(31) 1762422	(31) 20120126523
(21) EP15826857.3	(32) 19.12.2017	(32) 09.11.2012
(47) 12.08.2020	(33) France	(33) Korea (Republic)
(87) JP2015071228	(51) H01L 27/06	(51) H01L 27/15
04.02.2016	H01S 5/02	H01L 33/64
(22) 27.07.2015	H01S 5/022	(11) EP3384536
(54) PACKAGE FOR HOUSING AN ELECTRONIC COMPONENT AND ELECTRONIC DEVICE COMPRISING SUCH A PACKAGE	H01S 5/026	(21) EP16897216.4
(73) KYOCERA Corporation	H01S 5/183	(47) 12.08.2020
(72) KAWAZU, Yoshiki	H01S 5/22	(87) KR2016014205
(31) 2014154472	(11) EP2380251	05.10.2017
(32) 30.07.2014	(21) EP10700799.9	(22) 06.12.2016
(33) Japan	(47) 12.08.2020	(54) LIGHT EMITTING DIODE APPARATUS AND MANUFACTURING METHOD THEREOF
(51) H01L 23/498	(87) US2010021444	(73) Samsung Electronics Co., Ltd.
(11) EP2828890	29.07.2010	(72) JUNG, Jong-hoon
(21) EP13712945.8	(22) 20.01.2010	KIM, Dae-sik
(47) 12.08.2020	(54) SILICON BASED OPTO-ELECTRIC CIRCUITS	(31) 201662313888 P
(87) NL2013050200	(73) Raytheon Company	20160077322
26.09.2013	(72) TABATABAIE, Kamal	(32) 28.03.2016
(22) 18.03.2013	LAROCHE, Jeffrey, R.	21.06.2016
(54) AN ASSEMBLY AND A CHIP PACKAGE	KAPER, Valery, S.	(33) United States of America
(73) EFFECT Photonics B.V.	BETTENCOURT, John, P.	Korea (Republic)
(72) MUSK, Robert William	IP, Kelly, P.	(51) H01L 27/32
(31) 201204713	(31) 356252	H01L 51/52
(32) 18.03.2012	(32) 20.01.2009	(11) EP3182477
(33) United Kingdom	(33) United States of America	(21) EP16204823.5
(51) H01L 23/66	(51) H01L 27/146	(47) 12.08.2020
H03F 1/56	(11) EP3284104	(22) 16.12.2016
H03F 3/195	(21) EP16718132.0	(54) ORGANIC LIGHT EMITTING DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME
(11) EP3160044	(47) 12.08.2020	(73) LG Display Co., Ltd.
(21) EP16194673.6	(87) US2016027041	(72) JANG, Jin-Hee
(47) 12.08.2020	20.10.2016	LEE, SoJung
(22) 19.10.2016	(22) 12.04.2016	KIM, SeJune
	(54) REDUCTION OF TFT INSTABILITY IN DIGITAL X-RAY DETECTORS	(31) 20150181241
	(73) Carestream Health, Inc.	(32) 17.12.2015
	Kyung Hee University	(33) Korea (Republic)
	(72) TREDWELL, Timothy, J.	(51) H01L 29/06
		H01L 29/20
		H01L 29/778
		H01L 29/861

(11) EP3238269	(11) EP2834851	(47) 12.08.2020
(21) EP15820282.0	(21) EP13704463.2	(22) 12.04.2013
(47) 12.08.2020	(47) 12.08.2020	(54) Holding apparatus for fixing a surface module to a support
(87) IB2015059623	(87) EP2013053144	(73) Renusol Europe GmbH
30.06.2016	10.10.2013	(72) Giraud, Francisco
(22) 15.12.2015	(22) 18.02.2013	Schuld, Heinz
(54) MODULATION DEVICE COMPRISING A NANODIODE	(54) METHOD FOR THE PRODUCTION OF A MULTI-LAYER BACK ELECTRODE FOR A PHOTOVOLTAIC THIN-FILM SOLAR CELL, MULTI-LAYER BACK ELECTRODE ACCORDING TO THE METHOD, PHOTOVOLTAIC THIN-FILM SOLAR CELL AND MODULE COMPRISING THE MULTI-LAYER BACK ELECTRODE	(51) H01L 31/048
(73) Centre National de la Recherche Scientifique (C.N.R.S.) Université de Lille 1 Sciences et Technologies	(73) NICE Solar Energy GmbH	(11) EP3533087
(72) GAQUIERE, Christophe Pierre Paul DUCOURNAU, Guillaume FAUCHER, Marc	(72) Probst, Volker	(21) EP17794929.4
(31) 1463140	(31) 102012205377	(47) 12.08.2020
(32) 22.12.2014	(32) 02.04.2012	(87) EP2017077116
(33) France	(33) Germany	03.05.2018
(51) H01L 29/66	(51) H01L 31/0224	(22) 24.10.2017
H01L 29/786	H01L 31/18	(54) PHOTOVOLTAIC PANEL HAVING A FLEXIBLE STRUCTURE AND METHOD OF MANUFACTURING.
(11) EP2661774	H01L 31/068	(73) Agatos Energia S.r.l.
(21) EP12700880.3	(11) EP3523828	(72) MORISCO, Federico
(47) 12.08.2020	(21) EP17780381.4	(31) 201600107594
(87) US2012020120	(47) 12.08.2020	(32) 25.10.2016
12.07.2012	(87) EP2017075242	(33) Italy
(22) 04.01.2012	12.04.2018	(51) H01L 31/048
(54) TRANSISTOR INCLUDING MULTI-LAYER REENTRANT PROFILE	(22) 04.10.2017	(11) EP3520147
(73) Eastman Kodak Company	(54) IMPROVED CONTACTS FOR A PHOTOVOLTAIC CELL HAVING TWO ACTIVE FACES	(21) EP17787481.5
(72) TUTT, Lee William NELSON, Shelby Forrester	(73) Electricité de France Centre National de la Recherche Scientifique CNRS Paris Sciences et Lettres - Quartier Latin	(47) 12.08.2020
(31) 986241	(72) GRAND, Pierre-Philippe	(87) FR2017052616
(32) 07.01.2011	LINCOT, Daniel	05.04.2018
(33) United States of America	(31) 1659624	(22) 27.09.2017
(51) H01L 31/02	(32) 05.10.2016	(54) PROCESS FOR ENCAPSULATING PHOTOVOLTAIC PANELS USING PREIMPREGNATED MATERIALS
(11) EP3242332	(33) France	(73) Total Solar International
(21) EP17169371.6	(51) H01L 31/0304	(72) DINELLI, Raphaël
(47) 12.08.2020	H01L 31/18	(31) 1659368
(22) 04.05.2017	H01L 31/054	(32) 29.09.2016
(54) PHOTOVOLTAIC MODULE AND PHOTOVOLTAIC SYSTEM INCLUDING THE SAME	(11) EP3127165	(33) France
(73) LG Electronics, Inc.	(21) EP15717751.0	(51) H01L 31/18
(72) LEE, Suchang PARK, Youngchan	(47) 12.08.2020	H01L 31/05
(31) 20160055472	(87) US2015024532	(11) EP3540791
(32) 04.05.2016	08.10.2015	(21) EP19161572.3
(33) Korea (Republic)	(22) 06.04.2015	(47) 12.08.2020
(51) H01L 31/02	(54) METHOD TO MANUFACTURE EPITAXIAL LIFT-OFF PROCESSED THIN-FILM SOLAR CELLS INTEGRATED WITH NON-TRACKING MINI-COMPOUND PARABOLIC CONCENTRATORS	(22) 08.03.2019
H01L 31/0224	(73) The Regents Of The University Of Michigan	(54) FLUX COATING DEVICE AND METHOD FOR SOLAR CELL PANEL, AND APPARATUS FOR ATTACHING INTERCONNECTOR OF SOLAR CELL PANEL
H01L 31/05	(72) LEE, Kyusang	(73) LG Electronics Inc.
(11) EP3335244	FORREST, Stephen, R.	(72) KANG, Woojoong
(21) EP16835955.2	(31) 201461975623 P	KIM, Jangho
(47) 12.08.2020	(32) 04.04.2014	KANG, Dongju
(87) US2016046677	(33) United States of America	CHOI, Minseok
16.02.2017	(51) H01L 31/042	SONG, Kwangkyu
(22) 12.08.2016	F24S 25/636	JUNG, Yihwan
(54) PHOTOVOLTAIC CELL WITH FRONTSIDE BUSBAR TAPE ON NARROW FRONT BUSBARS	F24S 25/67	(31) 20180027692
(73) 3M Innovative Properties Company	(11) EP2789931	(32) 08.03.2018
(72) ROTTO, Nelson T.	(21) EP13001913.6	(33) Korea (Republic)
(31) 201562204476 P		(51) H01L 33/38
(32) 13.08.2015		H01L 33/46
(33) United States of America		(11) EP2339654
(51) H01L 31/0224		(21) EP10192249.0
H01L 31/032		(47) 12.08.2020
H01L 31/0749		(22) 23.11.2010
		(54) Light emitting diode
		(73) Seoul Viosys Co., Ltd
		(72) Yoon, Yeo Jin
		Seo, Won Cheol



(31) 20090131693	(11) EP3207604	(11) EP3535799
(32) 28.12.2009	(21) EP15782030.9	(21) EP17804721.3
(33) Korea (Republic)	(47) 12.08.2020	(47) 12.08.2020
(51) H01L 33/38	(87) GB2015052899	(87) US2017059474
H01L 33/58	21.04.2016	11.05.2018
H01L 33/60	(22) 05.10.2015	(22) 01.11.2017
(11) EP3327803	(54) PELTIER EFFECT HEAT TRANSFER SYSTEM	(54) SINGLE SIDED REUSABLE BATTERY INDICATOR
(21) EP17203490.2	(73) BAE Systems PLC	(73) Duracell U.S. Operations, Inc.
(47) 12.08.2020	(72) PESCOD, Christopher Ralph	(72) RIEMER, Joern
(22) 24.11.2017	NAWAZ, Mohammed	PAVLINSKY, Robert
(54) SEMICONDUCTOR DEVICE PACKAGE	(31) 201418063	BOURILKOV, Jordan
(73) LG Innotek Co., Ltd.	(32) 13.10.2014	SPECHT, Steven, J.
(72) KIM, Eun Joo	(33) United Kingdom	TURCO, George
KIM, Ga Yeon	(51) H01L 41/047	CORONADO, Sergio
KIM, Nak Hun	H01L 41/083	(31) 201615340731
SON, Jung Hwan	H01L 41/09	(32) 01.11.2016
JEON, Young Hyun	(11) EP3036779	(33) United States of America
(31) 20160158043	(21) EP14837788.0	(51) H01M 2/04
(32) 25.11.2016	(47) 12.08.2020	H01M 2/30
(33) Korea (Republic)	(87) US2014043893	(11) EP3537498
(51) H01L 33/50	26.02.2015	(21) EP18184043.0
H01L 33/54	(22) 24.06.2014	(47) 12.08.2020
(11) EP2859596	(54) MULTI-LAYERED THIN FILM PIEZOELECTRIC DEVICES & METHODS OF MAKING THE SAME	(22) 17.07.2018
(21) EP13730742.7	(73) Fujifilm Dimatix, Inc.	(54) TOP CAP ASSEMBLY OF A SECONDARY BATTERY, AND SECONDARY BATTERY
(47) 12.08.2020	(72) LI, Youming	(73) Contemporary Amperex Technology Co., Limited
(87) US2013044277	(31) 201313972814	(72) CHEN, Baisong
19.12.2013	(32) 21.08.2013	LI, Quankun
(22) 05.06.2013	(33) United States of America	WANG, Peng
(54) LED PACKAGE WITH ENCAPSULANT HAVING PLANAR SURFACES	(51) H01L 51/52	XING, Chengyou
(73) Cree, Inc.	(11) EP2810314	ZHENG, Yulian
(72) LOWES, Theodore	(21) EP13711474.0	(31) 201810195161
TARSA, Eric, J.	(47) 12.08.2020	(32) 09.03.2018
HEIKMAN, Sten	(87) IB2013050788	(33) China
KELLER, Bernd	08.08.2013	(51) H01M 2/10
REIHERZER, Jesse	(22) 30.01.2013	H01M 2/20
BENJAMIN, Hormoz	(54) OLED DEVICE AND MANUFACTURE THEREOF	H01M 2/30
(31) 201261658271 P	(73) Koninklijke Philips N.V.	H01M 10/42
201261660231 P	(72) SCHWAB, Holger	H01M 10/613
201261696205 P	(31) 201261594434 P	H01M 10/625
201213649052	(32) 03.02.2012	H01M 10/6551
(32) 11.06.2012	(33) United States of America	H01M 10/6556
15.06.2012	(51) H01L 51/54	(11) EP3264496
02.09.2012	(11) EP3024050	(21) EP17176705.6
10.10.2012	(21) EP15182179.0	(47) 12.08.2020
(33) United States of America	(47) 12.08.2020	(22) 19.06.2017
United States of America	(22) 24.08.2015	(54) SECONDARY BATTERY MODULE AND SECONDARY BATTERY PACK INCLUDING THE SAME
United States of America	(54) ORGANIC LIGHT EMITTING DISPLAY DEVICE	(73) SK Innovation Co., Ltd.
United States of America	(73) LG Display Co., Ltd.	(72) KWON, O Sung
(51) H01L 35/32	(72) JOO, SungHoon	CHO, Seok Chun
H01L 35/34	SEO, Jeongdae	CHO, Sei Hoon
(11) EP3544068	KIM, Hyoseok	KANG, Ho Chul
(21) EP19150957.9	KANG, Hyeseung	KWON, Dae Won
(47) 12.08.2020	YOO, Seonkeun	(31) 20160075993
(22) 09.01.2019	YUN, Min	(32) 17.06.2016
(54) METHOD OF PRODUCTION OF THERMOELECTRIC MICRO-COOLERS	(31) 20140161921	(33) Korea (Republic)
(73) RMT Limited	(32) 19.11.2014	(51) H01M 2/10
(72) ANOSOV, Vasilii Sergeevich	(33) Korea (Republic)	H01M 2/34
VOLKOV, Mikhail Petrovich	(51) H01M 2/02	(11) EP3531470
NAZARENKO, Alexander Aleksandrovich	H01M 10/42	(21) EP19156327.9
SUROV, Denis Yevgenievich	H01M 10/48	(47) 12.08.2020
(31) 2018109990	H02J 7/00	(22) 11.02.2019
(32) 21.03.2018	H04W 4/00	
(33) Russian Federation	G01R 31/36	
(51) H01L 35/32		
H01S 5/024		
H01S 5/068		

- (54) BATTERY PACK AND ELECTRIC HAND-HELD POWER TOOL  
 (73) Metabowerke GmbH  
 (72) Stickel, Wolfgang  
 Stoll, Michael  
 Wolf, Alexander  
 (31) 102018104337  
 (32) 26.02.2018  
 (33) Germany
- 
- (51) H01M 2/10  
 H01M 10/60  
 H01M 10/65  
 H01M 10/6554  
 H01M 10/6556  
 (11) EP2933871  
 (21) EP14854399.4  
 (47) 12.08.2020  
 (87) KR2014009787  
 23.04.2015  
 (22) 17.10.2014  
 (54) HEAT SINK HAVING TWO OR MORE SEPARATED CHANNELS ARRANGED VERTICALLY WITH COMMON INLET AND COMMON OUTLET  
 (73) LG Chem, Ltd.  
 (72) JUNG, Seung-Hun  
 KIM, Min-Jung  
 KANG, Dal-Mo  
 (31) 20130124716  
 20140140059  
 (32) 18.10.2013  
 16.10.2014  
 (33) Korea (Republic)  
 Korea (Republic)
- 
- (51) H01M 2/14  
 H01M 2/16  
 H01M 10/06  
 (11) EP3474347  
 (21) EP18203175.7  
 (47) 12.08.2020  
 (22) 04.06.2014  
 (54) MAT MADE OF COMBINATION OF COARSE GLASS FIBERS AND MICRO GLASS FIBERS USED AS A SEPARATOR IN A LEAD-ACID BATTERY  
 (73) Johns Manville  
 (72) NANDI, Souvik  
 GUO, Zhihua  
 ASRAR, Jawed  
 DIETZ III, Albert G.  
 (31) 201313925195  
 (32) 24.06.2013  
 (33) United States of America
- 
- (51) H01M 2/16  
 H01G 11/06  
 H01G 11/24  
 H01G 11/26  
 H01G 11/34  
 H01G 11/52  
 (11) EP2950319  
 (21) EP14743981.4  
 (47) 12.08.2020  
 (87) JP2014051115  
 31.07.2014  
 (22) 21.01.2014  
 (54) LITHIUM ION CAPACITOR  
 (73) Asahi Kasei Kabushiki Kaisha
- (72) OKADA, Nobuhiro  
 SAITO, Osamu  
 NIIMURA, Kensuke  
 (31) 2013009583  
 (32) 22.01.2013  
 (33) Japan
- 
- (51) H01M 2/34  
 H01M 10/0525  
 H01M 10/058  
 (11) EP3005441  
 (21) EP14806966.9  
 (47) 12.08.2020  
 (87) US2014041051  
 11.12.2014  
 (22) 05.06.2014  
 (54) MITIGATING THERMAL RUNAWAY IN LITHIUM ION BATTERIES USING DAMAGE-INITIATING MATERIALS OR DEVICES  
 (73) The Regents of the University of California  
 (72) QIAO, Yu  
 LU, Weiyi  
 SHI, Yang  
 LE, Anh  
 (31) 201361831437 P  
 (32) 05.06.2013  
 (33) United States of America
- 
- (51) H01M 4/02  
 H01M 4/36  
 H01M 4/587  
 H01M 10/052  
 C01B 32/20  
 (11) EP3136481  
 (21) EP15768792.2  
 (47) 12.08.2020  
 (87) JP2015058707  
 01.10.2015  
 (22) 23.03.2015  
 (54) NEGATIVE ELECTRODE CARBON MATERIAL, METHOD FOR PRODUCING NEGATIVE ELECTRODE CARBON MATERIAL, NEGATIVE ELECTRODE FOR LITHIUM SECONDARY CELL, AND LITHIUM SECONDARY CELL  
 (73) NEC Corporation  
 (72) CHENG, Qian  
 TAMURA, Noriyuki  
 (31) 2014063287  
 (32) 26.03.2014  
 (33) Japan
- 
- (51) H01M 4/36  
 H01M 4/62  
 H01M 4/136  
 H01M 4/1397  
 H01M 4/58  
 H01M 4/587  
 H01M 10/052  
 (11) EP3291338  
 (21) EP16846819.7  
 (47) 12.08.2020  
 (87) KR2016010187  
 23.03.2017  
 (22) 09.09.2016  
 (54) CATHODE FOR LITHIUM-SULFUR BATTERY, MANUFACTURING METHOD  
 THEREFOR, AND LITHIUM-SULFUR BATTERY CONTAINING SAME  
 (73) LG Chem, Ltd.  
 (72) KIM, Yun Kyoung  
 YANG, Doo Kyung  
 KWON, Ki Young  
 PARK, In Tae  
 (31) 20150129704  
 (32) 14.09.2015  
 (33) Korea (Republic)
- 
- (51) H01M 4/60  
 H01M 10/44  
 H01M 4/131  
 (11) EP3011620  
 (21) EP14742624.1  
 (47) 12.08.2020  
 (87) US2014043446  
 24.12.2014  
 (22) 20.06.2014  
 (54) METAL/OXYGEN BATTERY WITH REDOX ADDITIVES  
 (73) Robert Bosch GmbH  
 (72) CHRISTENSEN, John, F.  
 ALBERTUS, Paul  
 LOHMANN, Timm  
 KOZINSKY, Boris  
 KOJIC, Alesander  
 (31) 201361837691 P  
 (32) 21.06.2013  
 (33) United States of America
- 
- (51) H01M 4/70  
 H01M 4/75  
 H01M 10/04  
 H01M 4/13  
 H01M 4/139  
 H01M 10/052  
 H01M 10/0587  
 (11) EP2904654  
 (21) EP13818377.7  
 (47) 12.08.2020  
 (87) IB2013059015  
 10.04.2014  
 (22) 30.09.2013  
 (54) BIPOLAR BATTERY INCLUDING A CURRENT COLLECTOR HAVING A BUILT-IN SEALING MEANS, METHOD FOR MANUFACTURING SUCH A BATTERY  
 (73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives  
 (72) CHAMI, Marianne  
 REYNIER, Yvan  
 (31) 1259260  
 (32) 01.10.2012  
 (33) France
- 
- (51) H01M 8/04014  
 H01M 8/0612  
 H01M 8/0662  
 H01M 8/124  
 (11) EP3291348  
 (21) EP17177242.9  
 (47) 12.08.2020  
 (22) 21.06.2017  
 (54) FUEL CELL MODULE  
 (73) Toshiba Energy Systems & Solutions Corporation  
 KABUSHIKI KAISHA TOSHIBA  
 (72) MATSUNO, Takeshi

(31) 2016169802 2017102843	(32) 28.11.2016	MANAGEMENT SYSTEM USING THE SAME
(32) 31.08.2016 24.05.2017	(33) Japan	(73) Silicon Works Co., Ltd. LG CHEM, LTD.
(33) Japan Japan	(51) H01M 10/39	(72) SONG, Myoung Su
(51) H01M 8/04111 H01M 8/04291 H01M 8/04492 H01M 8/04746	(11) EP3103157	KIM, Jae Wan
(11) EP3142177	(21) EP15703513.0	JEON, Jin Yong
(21) EP16188216.2	(47) 12.08.2020	CHO, Ki Suk
(47) 12.08.2020	(87) EP2015051667	KIM, Il Kwon
(22) 09.09.2016	13.08.2015	CHOI, Seung Jun
(54) FUEL CELL REGULATION USING LOSS RECOVERY SYSTEMS	(22) 28.01.2015	KIM, Kyu Ho
(73) Garrett Transportation I Inc.	(54) ELECTRODE UNIT FOR AN ELECTROCHEMICAL DEVICE	MIN, Kyoung Choon
(72) GUIDRY, Mike	(73) BASF SE	LEE, Ki Young
MASON, John	(72) DÜRR, Anna Katharina	KIM, Won Gon
BERESEWICZ, Patrick	ZERPA UNDA, Jesus Enrique	(31) 20170143817
(31) 201514852605	ACHHAMMER, Günther	(32) 31.10.2017
(32) 13.09.2015	BAYER, Domnik	(33) Korea (Republic)
(33) United States of America	HEIDEBRECHT, Peter	(51) H01M 10/42
(51) H01M 10/0525	MEUER, Stefan	H02J 7/00
(11) EP3412818	(31) 14154255	G01R 31/396
(21) EP17747557.1	(32) 07.02.2014	(11) EP2920599
(47) 12.08.2020	(33) European Patent Office (EPO)	(21) EP13792634.1
(87) JP2017003981	(51) H01M 10/42	(47) 12.08.2020
10.08.2017	H01M 10/44	(87) EP2013073504
(22) 03.02.2017	H01M 10/48	22.05.2014
(54) CARBON FIBER AGGREGATE AND METHOD FOR MANUFACTURING SAME, ELECTRODE MIXTURE LAYER FOR NON-AQUEOUS-ELECTROLYTE SECONDARY CELL, ELECTRODE FOR NON-AQUEOUS-ELECTROLYTE SECONDARY CELL, AND NON-AQUEOUS-ELECTROLYTE SECONDARY CELL	B60L 58/10	(22) 11.11.2013
(73) Teijin Limited	(11) EP3168954	(54) TESTING ASSEMBLY FOR AN ENERGY STORAGE DEVICE
(72) YACHI, Kazuki	(21) EP15818972.0	(73) AVL List GmbH
KANEMATSU, Asami	(47) 12.08.2020	(72) SCHIPFER, Gottfried
KOMURA, Shinya	(87) JP2015068325	PROCHART, Günter
DAIDO, Takahiro	14.01.2016	(31) 505132012
(31) 2016020381	(22) 25.06.2015	(32) 14.11.2012
2016020382	(54) BATTERY CONTROL DEVICE	(33) Austria
(32) 05.02.2016	(73) Vehicle Energy Japan Inc.	(51) H01P 3/06
05.02.2016	(72) MORIKAWA, Hiroshi	H01P 5/107
(33) Japan	AOSHIMA, Yoshinori	H01Q 13/10
Japan	NAITOH, Masashi	H01Q 21/00
(51) H01M 10/26	(31) 2014139436	H01Q 21/06
H01M 10/052	(32) 07.07.2014	(11) EP3392968
H01M 10/0563	(33) Japan	(21) EP16889305.5
H01M 10/36	(51) H01M 10/42	(47) 12.08.2020
(11) EP3547436	H01M 10/48	(87) JP2016053515
(21) EP17873874.6	H02J 7/00	10.08.2017
(47) 12.08.2020	G01R 31/36	(22) 05.02.2016
(87) JP2017042271	(11) EP3291353	(54) ANTENNA DEVICE
31.05.2018	(21) EP16205783.0	(73) Mitsubishi Electric Corporation
(22) 24.11.2017	(47) 12.08.2020	(72) GOTO, Jun
(54) ELECTROLYTE SOLUTION FOR LITHIUM ION SECONDARY BATTERIES, METHOD FOR PRODUCING SAME, AND LITHIUM ION SECONDARY BATTERY	(22) 21.12.2016	YAMAGUCHI, Satoshi
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(54) BATTERY DEVICE, ELECTRONIC DEVICE AND METHOD FOR PROTECTING A BATTERY DEVICE	OTSUKA, Masataka
(72) SUYAMA, Hiroshi	(73) Quanta Computer Inc.	(51) H01P 5/103
(31) 2016230172	(72) YEN, Wei-Ting	H04B 3/38
	(31) 105128367	H04B 3/52
	(32) 02.09.2016	H04B 3/56
	(33) Taiwan, Province of China	H04B 3/58
	(51) H01M 10/42	(11) EP3506515
	H02J 7/00	(21) EP19157559.6
	G01R 31/374	(47) 12.08.2020
	G01R 31/392	(22) 09.06.2015
	G01R 31/396	(54) GUIDED WAVE COUPLERS AND METHODS THEREOF
	(11) EP3477814	(73) AT&T Intellectual Property I, L.P.
	(21) EP18203199.7	(72) HENRY, Paul Shala
	(47) 12.08.2020	BARNICKEL, Donald J.
	(22) 29.10.2018	FARHAD, Barzegar
	(54) COMMUNICATION METHOD BETWEEN MASTER CONTROLLER AND SLAVE CONTROLLER, SLAVE CONTROLLER FOR THE SAME, AND BATTERY	BENNETT, Robert
		GERSZBERG, Irwin
		WILLIS, Thomas M. III

(31) 201414469287	(47) 12.08.2020	09.08.2012
(32) 26.08.2014	(22) 26.08.2011	(22) 31.01.2012
(33) United States of America	(54) ANTENNA APPARATUS, ANTENNA SYSTEM, AND ANTENNA ELECTRICAL TILTING METHOD	(54) DUAL POLARIZATION ANTENNA FOR A MOBILE COMMUNICATION BASE STATION, AND MULTIBAND ANTENNA SYSTEM USING SAME
(51) H01Q 1/12	(73) Huawei Technologies Co., Ltd.	(73) KMW Inc.
(11) EP3361564	(72) ZHANG, Tingting	(72) MOON, Young-Chan
(21) EP18156263.8	WANG, Jisong	SO, Sung-Hwan
(47) 12.08.2020	XIE, Shoubo	KIM, In-Ho
(22) 12.02.2018	PEI, Shubao	(31) 20110009834
(54) WINDOW GLASS FOR VEHICLE	(31) 201010555649	(32) 31.01.2011
(73) AGC Inc.	(32) 23.11.2010	(33) Korea (Republic)
(72) NAKANO, Kazuhiro	(33) China	
(31) 2017025268	(51) H01Q 1/24	(51) H01Q 1/27
(32) 14.02.2017	H01Q 3/06	H01Q 1/32
(33) Japan	H01Q 3/24	H01Q 9/04
(51) H01Q 1/22	H04B 7/06	H01Q 5/357
H01Q 1/24	(11) EP3529910	H01Q 5/364
H01Q 1/38	(21) EP16793839.8	H01Q 5/371
H01Q 3/26	(47) 12.08.2020	(11) EP3343697
H01Q 3/34	(87) EP2016076829	(21) EP16207490.0
H01Q 21/06	11.05.2018	(47) 12.08.2020
H01Q 21/20	(22) 07.11.2016	(22) 30.12.2016
H01Q 25/00	(54) METHOD AND DEVICES IN A WIRELESS COMMUNICATION SYSTEM	(54) PATCH ANTENNA
H01Q 25/04	(73) Huawei Technologies Co., Ltd.	(73) NXP B.V.
H04B 7/06	(72) CAI, Tao	(72) TONG, Ziqiang
H04W 16/28	NASIRI KHORMUJI, Majid	REUTER, Ralf
(11) EP3331095		SION, Arnaud
(21) EP18153479.3	(51) H01Q 1/24	(51) H01Q 1/27
(47) 12.08.2020	H01Q 9/42	H01Q 13/10
(22) 09.03.2009	H01Q 5/35	H01Q 13/18
(54) WIRELESS ANTENNA ARRAY SYSTEM ARCHITECTURE AND METHODS TO ACHIEVE 3D BEAM COVERAGE	H01Q 5/371	G04G 21/04
(73) INTEL Corporation	(11) EP3087637	G04R 60/08
(72) CHOUDHURY, Debabani	(21) EP15702318.5	H01Q 5/328
ROBERTS, Richard	(47) 12.08.2020	H01Q 5/392
KARACA OGLU, Ulun	(87) US2015011262	(11) EP3207589
(31) 35480 P	11.09.2015	(21) EP15785009.0
215542	(22) 13.01.2015	(47) 12.08.2020
(32) 11.03.2008	(54) ELECTRONIC DEVICE WITH SHARED ANTENNA STRUCTURES AND BALUN	(87) US2015055408
27.06.2008	(73) Apple Inc.	21.04.2016
(33) United States of America	(72) OUYANG, Yuehui	(22) 14.10.2015
United States of America	DARNELL, Dean F.	(54) STRUCTURAL TANK INTEGRATED INTO AN ELECTRONIC DEVICE CASE
(51) H01Q 1/24	AYALA VAZQUEZ, Enrique	(73) Microsoft Technology Licensing, LLC
H01Q 1/44	TONG, Erica J.	(72) JAIN, Sidharath
H01Q 13/10	HU, Hongfei	APAYDIN, Nil
H01Q 21/28	MOW, Matthew A.	DE LUIS, Javier R.
H03K 17/96	PASCOLINI, Mattia	SHEWAN, Ben
H05K 5/00	TSAI, Ming-Ju	MAHANFAR, Alireza
(11) EP3379644	JIN, Nanbo	O'BRIEN, Paul
(21) EP16868833.1	SCHLUB, Robert W.	(31) 201414517707
(47) 12.08.2020	(31) 201414195130	(32) 17.10.2014
(87) KR2016013259	(32) 03.03.2014	(33) United States of America
01.06.2017	(33) United States of America	
(22) 17.11.2016	(51) H01Q 1/24	(51) H01Q 1/48
(54) ANTENNA DEVICE AND ELECTRONIC DEVICE COMPRISING SAME	H01Q 19/10	H01Q 3/24
(73) Samsung Electronics Co., Ltd.	H01Q 21/08	H01Q 9/04
(72) MUHN, Sung Jin	H01Q 21/24	H01Q 15/00
(31) 20150165488	H01Q 21/26	(11) EP2937938
(32) 25.11.2015	H01Q 21/28	(21) EP15153901.2
(33) Korea (Republic)	H01Q 5/15	(47) 12.08.2020
(51) H01Q 1/24	H01Q 5/17	(22) 05.02.2015
H01Q 3/00	H01Q 5/40	(54) Configurable antenna assembly
H01Q 3/06	H01Q 5/42	(73) The Boeing Company
H01Q 3/32	H01Q 5/48	(72) Manry, Charles W., Jr.
H04W 16/28	(11) EP2672568	Black, Eric J.
(11) EP3154127	(21) EP12742115.4	(31) 201414253218
(21) EP16159540.0	(47) 12.08.2020	(32) 15.04.2014
	(87) KR2012000712	(33) United States of America

(51) H01Q 3/00	(47) 12.08.2020	(51) H01R 12/72
H04B 1/18	(87) EP2017051123	H01R 13/6463
H04B 17/00	27.07.2017	H01R 13/6464
(11) EP3520169	(22) 19.01.2017	H01R 13/6466
(21) EP17787991.3	(54) SPRUNG BUSBAR TAPPING CLIP AND	(11) EP3347950
(47) 12.08.2020	MANUFACTURING PROCESS FOR A	(21) EP16774463.0
(87) US2017053377	SPRUNG BUSBAR TAPPING CLIP	(47) 12.08.2020
05.04.2018	(73) Hora eTec GmbH	(87) EP2016071381
(22) 26.09.2017	(72) NIESTRAT, Dirk	16.03.2017
(54) DISTRIBUTING COHERENT SIGNALS	HOLTMANN, Ralf	(22) 09.09.2016
TO LARGE ELECTRICAL DISTANCES	(31) 202016100281 U	(54) ELECTRICAL CONNECTOR
OVER SERIAL INTERCONNECTIONS	(32) 21.01.2016	ASSEMBLY AND A METHOD FOR
(73) Blue Danube Systems, Inc.	(33) Germany	REDUCING CROSS-TALK
(72) FRYE, Robert C.	(51) H01R 4/64	(73) TE Connectivity Germany GmbH
BANU, Mihai	H01R 9/26	(72) BERGNER, Bert
(31) 201662401501 P	H01R 13/03	ALMEIDA, Carlos
(32) 29.09.2016	(11) EP3490073	(31) 102015217277
(33) United States of America	(21) EP17203173.4	(32) 10.09.2015
(51) H01Q 3/44	(47) 12.08.2020	(33) Germany
H01Q 9/04	(22) 22.11.2017	(51) H01R 13/453
H01Q 13/20	(54) DEVICE FOR ELECTRICAL	H01R 13/707
H01Q 13/28	CONNECTION TO EARTH	B60L 53/16
H01Q 15/00	(73) TE Connectivity Services GmbH	B60L 53/60
H01Q 15/02	(72) FAYARD, François	(11) EP2664483
H01Q 15/10	FONTAINE, Philippe	(21) EP13002501.8
H01Q 21/00	(51) H01R 9/05	(47) 12.08.2020
(11) EP3138159	(11) EP2571102	(22) 13.05.2013
(21) EP15786329.1	(21) EP12184332.0	(54) Power supply outlet assembly for
(47) 12.08.2020	(47) 12.08.2020	charging electric drive vehicles
(87) US2015028781	(22) 13.09.2012	(73) GEWISS S.p.A.
05.11.2015	(54) Fixture for contacting the screen of a	(72) Bosatelli, Domenico
(22) 01.05.2015	coaxial cable	(31) MI20120835
(54) SURFACE SCATTERING ANTENNAS	(73) Kostal Kontakt Systeme GmbH	(32) 15.05.2012
WITH LUMPED ELEMENTS	(72) Schröder, Georg	(33) Italy
(73) Searete LLC	Tessarek, Artur	(51) H01R 24/60
(72) CHEN, Pai-Yen	(31) 102011113706	G04G 17/04
DRISCOLL, Tom	(32) 17.09.2011	G06F 1/16
EBADI, Siamak	(33) Germany	H01R 13/05
HUNT, John Desmond	(51) H01R 9/24	H01R 13/405
LANDY, Nathan Ingle	H01R 13/627	H01R 13/502
MACHADO, Melroy	H01R 13/633	H01R 13/56
MCCANDLESS, Jay Howard	(11) EP3644451	H01R 35/02
PERQUE, Milton, Jr.	(21) EP18202199.8	H01R 43/24
SMITH, David R.	(47) 12.08.2020	H01R 107/00
URZHUMOV, Yaroslav A.	(22) 24.10.2018	(11) EP3258553
(31) 201461988023 P	(54) CONNECTOR MODULE WITH LATCH	(21) EP17180910.6
201414506432	STRUCTURE	(47) 12.08.2020
(32) 02.05.2014	(73) Dinkle Enterprise Co., Ltd.	(22) 14.03.2014
03.10.2014	Dinkle Electric Machinery (China) Co.,	(54) ELECTRONIC CONNECTOR HAVING
(33) United States of America	Ltd.	FLEXIBLE REGION AND METHOD FOR
United States of America	(72) WU, Shang-Tsai	MANUFACTURING THEREOF
(51) H01R 4/2416	(51) H01R 9/26	(73) NIKE Innovate C.V.
(11) EP3201990	H02B 1/052	(72) ORAND, Austin
(21) EP15797343.9	(11) EP3161909	KASH, Brian L
(47) 12.08.2020	(21) EP15759537.2	WEAST, Aaron B
(87) EP2015077136	(47) 12.08.2020	(31) 201313841122
02.06.2016	(87) IB2015054901	(32) 15.03.2013
(22) 19.11.2015	07.01.2016	(33) United States of America
(54) CONNECTION TERMINAL	(22) 30.06.2015	(51) H01R 24/60
(73) Schneider Electric Industries SAS	(54) ADAPTER FOR MOUNTING ELECTRIC	H01R 13/641
(72) GÖRLICH, Wolfgang	UNITS	H01R 13/66
(31) 102014117367	(73) Pizzato Elettrica S.r.l.	H01R 27/00
(32) 26.11.2014	(72) PIZZATO, Marco	H01R 29/00
(33) Germany	ZONTA, Simone	G06F 9/4401
(51) H01R 4/38	(31) VI20140168	G01R 31/08
H01R 4/48	(32) 30.06.2014	(11) EP2590274
(11) EP3405998	(33) Italy	(21) EP12191580.5
(21) EP17702024.5		(47) 12.08.2020

(22) 07.11.2012	(51) H01T 13/60	(47) 12.08.2020
(54) Techniques for configuring contacts of a connector	H01T 13/38	(87) EP2015062262
(73) Apple Inc.	H01T 21/02	08.12.2016
(72) Terlizzi, Jeffrey J.	(11) EP3148021	(22) 02.06.2015
Kosut, Alexei	(21) EP16190401.6	(54) A RIGID JOINT ASSEMBLY
Minoo, Jahan	(47) 12.08.2020	(73) NKT HV Cables AB
Mullins, Scott	(22) 23.09.2016	(72) LEÓN-GUARENA, Armando
(31) 201161556792 P	(54) SPARK PLUG	TYRBERG, Andreas
201161565463 P	(73) NGK Spark Plug Co., Ltd.	EKHOLM, Henrik
201213607550	(72) Yoshida, Haruki	<hr/>
(32) 07.11.2011	Isasa, Jumpei	(51) H02H 3/04
30.11.2011	Honda, Toshitaka	H02H 3/26
07.09.2012	Yokoyama, Yutaka	H02H 3/32
(33) United States of America	Tanaka, Kuniharu	H02H 3/353
United States of America	Araki, Nobuyoshi	H02H 3/38
United States of America	Kon, Toshiki	H02H 3/42
<hr/>	(31) 2015186376	H02H 3/44
(51) H01R 24/64	(32) 24.09.2015	H02H 3/46
H01R 13/443	(33) Japan	H02H 3/48
H01R 13/627	<hr/>	H02H 5/10
H01R 13/639	(51) H02B 1/38	H02H 7/22
(11) EP3297099	(11) EP3649710	H02H 7/26
(21) EP17191210.8	(21) EP19725678.7	H02H 7/28
(47) 12.08.2020	(47) 12.08.2020	(11) EP2878058
(22) 14.09.2017	(87) EP2019062657	(21) EP13823308.5
(54) LATCH FOR LOCKING A CONNECTOR	26.12.2019	(47) 12.08.2020
IN AN ELECTRICAL AND/OR	(22) 16.05.2019	(87) US2013052365
TELECOMMUNICATION NETWORK	(54) ELECTRICAL CABINET WITH FRONT	30.01.2014
(73) BULL SAS	DOOR INTERLOCK	(22) 26.07.2013
(72) AIELLO, Damien	(73) SOMIC Verpackungsmaschinen GmbH & Co. KG	(54) SYSTEM FOR DETECTING A FALLING
RADANLIEV, Martin	(72) WINKLER, Markus Karl	ELECTRIC POWER CONDUCTOR AND
DE LASTELLE DU PRE, Renaud	LAH, Eric	RELATED METHODS
(31) 1658665	(31) 201862686836 P	(73) San Diego Gas & Electric Company
(32) 15.09.2016	(32) 19.06.2018	(72) O'BRIEN, William
(33) France	(33) United States of America	UDREN, Eric A.
<hr/>	<hr/>	(31) 201261676828 P
(51) H01S 5/028	(51) H02G 3/06	201261712602 P
H01S 5/042	H02G 3/08	201361798694 P
H01S 5/06	(11) EP3386050	(32) 27.07.2012
H01S 5/065	(21) EP18161273.0	11.10.2012
H01S 5/14	(47) 12.08.2020	15.03.2013
H01S 5/22	(22) 12.03.2018	(33) United States of America
H01S 5/343	(54) LAMELLA OF A CABLE SCREWING	United States of America
(11) EP3073587	DEVICE	United States of America
(21) EP14864863.7	(73) ebm-papst Mulfingen GmbH & Co. KG	<hr/>
(47) 12.08.2020	(72) STURM, Michael	(51) H02H 3/44
(87) JP2014079409	MASCHKE, Matthias	H02H 7/26
28.05.2015	Martin, Baer	G01R 31/50
(22) 06.11.2014	(31) 102017107566	(11) EP2485354
(54) SEMICONDUCTOR LASER ELEMENT	(32) 07.04.2017	(21) EP12152599.2
(73) Sony Corporation	(33) Germany	(47) 12.08.2020
(72) WADA, Shinichi	<hr/>	(22) 26.01.2012
KURAMOTO, Masaru	(51) H02G 3/08	(54) Protection System for an Electrical Power
WATANABE, Hideki	H02G 3/12	Network Based on the inductance of a
(31) 2013239103	(11) EP3561976	network section
(32) 19.11.2013	(21) EP19167499.3	(73) Rolls-Royce plc
(33) Japan	(47) 12.08.2020	(72) Hill, Jason Edward
<hr/>	(22) 05.04.2019	Fletcher, Steven David Angus
(51) H01T 13/32	(54) INSTALLATION SOCKET	Norman, Patrick John
(11) EP3200290	(73) OBO Bettermann Hungary Kft.	Galloway, Stuart James
(21) EP17152462.2	(72) Harms, Heiko	(31) 201102031
(47) 12.08.2020	Kolert, Sergej	(32) 07.02.2011
(22) 20.01.2017	Ludwig, Henrik	(33) United Kingdom
(54) SPARK PLUG	(31) 202018102368 U	<hr/>
(73) NGK Spark Plug Co., Ltd.	(32) 27.04.2018	(51) H02H 7/045
(72) Inoue, Masahiro	(33) Germany	(11) EP3198698
Karumi, Takahiro	<hr/>	(21) EP14801988.8
(31) 2016011983	(51) H02G 15/103	(47) 12.08.2020
(32) 26.01.2016	H02G 15/14	(87) EP2014074610
(33) Japan	(11) EP3304665	19.05.2016
	(21) EP15727627.0	(22) 14.11.2014

(54) DIFFERENTIAL PROTECTION METHOD AND DIFFERENTIAL PROTECTION DEVICE FOR PERFORMING A DIFFERENTIAL PROTECTION METHOD	(31) 201715915 (32) 29.09.2017 (33) United Kingdom	(47) 12.08.2020 (22) 18.04.2013
(73) Siemens Aktiengesellschaft (72) MIESKE, Frank	(51) H02J 3/00 H02J 3/32 H02J 3/38 H02J 7/00 H02J 7/35 H02M 1/00 H02M 7/00 H02M 7/44 H02M 7/537	(54) System and method for controlling a plurality of points, each having an air conditioner, an illumination device and an electric device (73) LG Electronics, Inc. (72) Yun, Sangwon Jeon, Duckgu (31) 20120041076 (32) 19.04.2012 (33) Korea (Republic)
(51) H02H 7/18 H02H 11/00 (11) EP2945243 (21) EP14868729.6 (47) 12.08.2020 (87) KR2014010872 27.08.2015 (22) 12.11.2014	(11) EP3335292 (21) EP16754636.5 (47) 12.08.2020 (87) US2016046921 23.02.2017 (22) 12.08.2016 (54) MULTIPLE INVERTER POWER CONTROL SYSTEMS IN AN ENERGY GENERATION SYSTEM (73) Tesla, Inc. (72) NARLA, Sandeep (31) 201562205452 P 201615161104 (32) 14.08.2015 20.05.2016 (33) United States of America United States of America	(51) H02J 3/16 H02J 3/38 H02J 3/48 H02J 3/50 (11) EP2494671 (21) EP10773562.3 (47) 12.08.2020 (87) DK2010050282 05.05.2011 (22) 25.10.2010 (54) WIND POWER PLANT WITH OPTIMAL POWER OUTPUT (73) Vestas Wind Systems A/S (72) HESSELBÆK, Bo ZAMASTIL, Martin Høgdahl (31) 200970172 258610 P (32) 27.10.2009 06.11.2009 (33) Denmark United States of America
(54) APPARATUS, SYSTEM AND METHOD FOR PREVENTING DAMAGE TO BATTERY RACK BY MEANS OF VOLTAGE MEASUREMENT (73) LG Chem, Ltd. (72) LEE, Jongbum (31) 20140019880 (32) 20.02.2014 (33) Korea (Republic)	(51) H02H 9/02 H02J 9/00 H02J 9/06 (11) EP2962381 (21) EP14757442.0 (47) 12.08.2020 (87) US2014018788 04.09.2014 (22) 26.02.2014 (54) PARALLEL REDUNDANT POWER DISTRIBUTION (73) Zonit Structured Solutions, LLC (72) CHAPEL, Steve PACHOUD, William (31) 201361769688 P 201361798155 P (32) 26.02.2013 15.03.2013 (33) United States of America United States of America	(51) H02J 3/18 H02J 3/50 (11) EP3358693 (21) EP17205271.4 (47) 12.08.2020 (22) 01.10.2011 (54) PHOTOVOLTAIC ASSEMBLY WITH REACTIVE POWER GENERATION DEPENDENT ON MAINS VOLTAGE (73) BOB Holding GmbH (72) BECK, Bernhard (31) 102010047652 (32) 06.10.2010 (33) Germany
(51) H02J 1/10 H04B 5/00 H02J 50/10 (11) EP3451547 (21) EP18190917.7 (47) 12.08.2020 (22) 27.08.2018 (54) MODEM AND ELECTRONIC DEVICE (73) Yokogawa Electric Corporation (72) WASHIRO, Mitsuhiro (31) 2017164618 (32) 29.08.2017 (33) Japan	(51) H02J 3/06 (11) EP2393179 (21) EP11168834.7 (47) 12.08.2020 (22) 06.06.2011 (54) System and process for controlling active power in a power generation plant (73) Nordex Energy Spain, S.A.U. (72) Garcia Sayes, José Miguel Nunez Polo, Miguel Arlaban Gabeiras, Teresa Alonso Sadaba, Oscar Royo Garcia, Ricardo (31) 201030868 (32) 04.06.2010 (33) Spain	(51) H02J 50/00 H02J 50/12 H02J 50/70 (11) EP3373416 (21) EP18169153.6 (47) 12.08.2020 (22) 28.06.2013 (54) PORTABLE TERMINAL INCLUDING A WIRELESS CHARGING APPARATUS (73) Samsung Electronics Co., Ltd. (72) Kim, Ki-Hyun Ko, Kil-Soo Park, Sung-Kweon (31) 20120070242 (32) 28.06.2012 (33) Korea (Republic)
(51) H02J 3/00 G06Q 10/06 G06Q 50/06 (11) EP3462558 (21) EP18197814.9 (47) 12.08.2020 (22) 29.09.2018 (54) DATA PROCESSING ARRANGEMENT AND METHOD (73) Clear Horizon IS Limited (72) McKeon, Paul	(51) H02J 3/14 H02J 13/00 F24F 11/00 F24F 11/30 F24F 11/62 (11) EP2653796 (21) EP13164337.1	(51) H02J 50/12 H02J 50/60 (11) EP3252920 (21) EP15880114.2 (47) 12.08.2020

(87) JP2015084000 04.08.2016	KAWAGOE Tomonori YAMAZAKI Katsuyuki	H02K 15/03 H02K 29/08
(22) 03.12.2015	SAKAI Toru	(11) EP3468002
(54) NON-CONTACT POWER SUPPLY SYSTEM	TAKAHASHI Shuuichi SUZUKI Toshifumi	(21) EP16903052.5 (47) 12.08.2020
(73) Rohm Co., Ltd.	IWASAKI Norihisa	(87) JP2016065186 30.11.2017
(72) IKEFUJI Yoshihiro	MASAKI Ryouso	(22) 23.05.2016
(31) 2015014472	ENOMOTO Yuji	(54) IPM MOTOR ROTOR, IPM MOTOR, AND METHOD FOR MANUFACTURING IPM MOTOR ROTOR
(32) 28.01.2015	(51) H02K 1/24	(73) Mitsubishi Electric Corporation
(33) Japan	H02K 1/27	(72) HAYASHI, Tomoki YABUUCHI, Hironori
(51) H02J 50/80	H02K 29/03	(51) H02K 3/12
(11) EP3451496	H02K 11/25	H02K 3/28
(21) EP18184203.0	(11) EP3261220	H02K 3/50
(47) 12.08.2020	(21) EP16175979.0	H02K 15/00
(22) 18.07.2018	(47) 12.08.2020	(11) EP2845296
(54) COMMUNICATION WITH CHARGING CABLE OF A BATTERY-POWERED VEHICLE	(22) 23.06.2016	(21) EP13730145.3
(73) Heidelberger Druckmaschinen AG	(54) ELECTRIC MACHINE	(47) 12.08.2020
(72) Spilger, Rolf	(73) Volvo Car Corporation	(87) EP2013061672 27.12.2013
Heynig, Frank	(72) Sidiropoulos, Nikitas	(22) 06.06.2013
Bechtler, Jochen	(51) H02K 1/24	(54) REDUCTION OF THE ELECTRICAL RESISTANCE FOR AN ELECTRIC MACHINE HAVING WINDINGS ARRANGED IN GROOVES
Breuninger, Timo	H02K 1/30	(73) Siemens Aktiengesellschaft
(31) 102017215116	H02K 49/10	(72) CENTNER, Matthias GELS, Patrick SCHÄFER, Rüdiger WASCHEK, Jörg
(32) 30.08.2017	(11) EP3261238	(31) 102012210614
(33) Germany	(21) EP16275085.5	(32) 22.06.2012
(51) H02K 1/14	(47) 12.08.2020	(33) Germany
H02K 1/18	(22) 23.06.2016	(51) H02K 3/14
H02K 1/20	(54) MAGNETIC GEAR	H02K 15/04
H02K 1/27	(73) Goodrich Actuation Systems Limited	H02K 15/10
H02K 7/14	(72) HAWKSWORTH, Andrew	(11) EP3089329
H02K 9/00	PROVERBS, Paul	(21) EP16162662.7
H02K 11/33	(51) H02K 1/27	(47) 12.08.2020
(11) EP3130056	H02K 1/32	(22) 29.03.2016
(21) EP15712913.1	H02K 9/06	(54) METHOD FOR PRODUCING A TOOTH- WOUND COIL FOR AN ELECTRIC MACHINE
(47) 12.08.2020	(11) EP2854259	(73) Von Roll Schweiz AG
(87) EP2015056854	(21) EP14185823.3	(72) WEYL, Peter
15.10.2015	(47) 12.08.2020	(31) 15165152
(22) 30.03.2015	(22) 22.09.2014	(32) 27.04.2015
(54) ELECTRIC MOTOR, DEVICE OF AIR VENTILATION AND VENTILATION SYSTEM OF HEATING AND/OR AIR CONDITIONING OF SUCH MOTOR	(54) Rotor of an electric machine with at least one fin for creating an air flow inside the shaft and electric machine comprising such a rotor	(33) European Patent Office (EPO)
(73) Valeo Systemes Thermiques	(73) ALSTOM Transport Technologies	(51) H02K 3/487
(72) LE GOFF, Morgan	(72) Periot, Robert	H02K 15/00
CAPOULUN, Geoffroy	Fellmann, Daniel	(11) EP3101782
(31) 1453248	(31) 1359202	(21) EP16172121.2
(32) 11.04.2014	(32) 25.09.2013	(47) 12.08.2020
(33) France	(33) France	(22) 31.05.2016
(51) H02K 1/18	(51) H02K 1/27	(54) RETENTION ASSEMBLY FOR STATOR BAR USING SHIM WITH STATOR WEDGE AND RELATED METHOD
H02K 3/18	H02K 15/03	(73) General Electric Company
H02K 3/52	H02K 21/24	(72) BUSKIRK, Eric Steven BROWN, Andrew Duane GRANT, James Jonathan HEBERT, Curtis Maurice MANCUSO, Benjamin Alber MARTIN, Matthew Robert POWERS, Jessica Mary
H02K 9/22	(11) EP3136565	
H02K 15/04	(21) EP16185599.4	
H02K 21/24	(47) 12.08.2020	
H02K 11/40	(22) 25.08.2016	
(11) EP3133722	(54) FIBER COMPOSITE PLASTIC ROTOR FOR A TRANSVERSE FIELD EXCITED ELECTRIC MACHINE AND A METHOD FOR PRODUCING THE SAME	
(21) EP14889733.3	(73) Schmuhl Faserverbundtechnik GmbH & Co. KG	
(47) 12.08.2020	(72) ZILLER, Michael	
(87) JP2014060563	SCHMUHL, Markus	
22.10.2015	SCHMUHL, Klaus-Peter	
(22) 14.04.2014	(31) 102015114041	
(54) AXIAL-AIR-GAP DYNAMO-ELECTRIC MACHINE	(32) 25.08.2015	
(73) Hitachi Industrial Equipment Systems Co., Ltd.	(33) Germany	
(72) TOKOI Hirooki	(51) H02K 1/27	
KITAJIMA Daisuke		



(31) 201514729205	(33) France	DUNCAN, Joseph
(32) 03.06.2015	(51) H02M 1/00	(31) 201514609203
(33) United States of America	H02M 3/155	(32) 29.01.2015
(51) H02K 5/22	H02M 7/12	(33) United States of America
H02M 7/00	(11) EP2978117	(51) H02M 3/155
H02K 11/00	(21) EP13879213.0	H02M 3/335
(11) EP2456051	(47) 12.08.2020	(11) EP3304718
(21) EP11189398.8	(87) JP2013057794	(21) EP15726138.9
(47) 12.08.2020	25.09.2014	(47) 12.08.2020
(22) 16.11.2011	(22) 19.03.2013	(87) EP2015062006
(54) Frequency converter for controlling an electric motor	(54) ELECTRIC POWER CONVERSION DEVICE AND REFRIGERATING AIR-CONDITIONING DEVICE	08.12.2016
(73) Kostal Industrie Elektrik GmbH	(73) Mitsubishi Electric Corporation	(22) 29.05.2015
(72) Grützmaker, Thomas	(72) ARISAWA, Koichi	(54) DC-TO-DC CONVERTER FOR HIGH VOLTAGES
Haase, Daniel	SHIMOMUGI, Takuya	(73) Siemens Aktiengesellschaft
Penzek, Steffen	YAMAKAWA, Takashi	(72) KNAAK, Hans-Joachim
Peters, Thomas	UEMURA, Keisuke	SCHÖN, Andre
Rilling, Herwig	SHINOMOTO, Yosuke	BAKRAN, Mark-Matthias
(31) 102010051891	YUASA, Kenta	(51) H02M 3/155
(32) 22.11.2010	TSUMURA, Akihiro	H02P 7/282
(33) Germany	MATSUBARA, Noriyuki	(11) EP3490130
(51) H02K 11/00	KUSUBE, Shinsaku	(21) EP18203360.5
(11) EP2744087	(51) H02M 1/00	(47) 12.08.2020
(21) EP13196043.7	H02M 7/483	(22) 30.10.2018
(47) 12.08.2020	(11) EP3208930	(54) METHOD FOR CONTROLLING A VOLTAGE APPLIED TO AN ELECTRIC FAN
(22) 06.12.2013	(21) EP16156307.7	(73) Siemens Aktiengesellschaft
(54) Motor and sensing magnet of the same	(47) 12.08.2020	(72) Hertz, Dirk
(73) LG Innotek Co., Ltd.	(22) 18.02.2016	Ringer, Florian
(72) Woo, Shung Hun	(54) MODULAR MULTICELL CONVERTER WITH CELL INTERNAL COMPENSATION OF CELL CAPACITOR VOLTAGE DEVIATIONS	Schönenberg, Marco
(31) 20120146496	(73) Siemens Aktiengesellschaft	(31) 102017221172
(32) 14.12.2012	(72) Blum, Manuel	(32) 27.11.2017
(33) Korea (Republic)	Galek, Marek	(33) Germany
(51) H02K 21/12	(51) H02M 1/00	(51) H02M 7/04
H02K 37/04	H03K 7/08	H02M 7/483
H02K 37/18	H02M 7/5387	(11) EP2983284
H02K 41/03	H02P 6/28	(21) EP13881407.4
(11) EP3120445	(11) EP3537590	(47) 12.08.2020
(21) EP15711159.2	(21) EP19160230.9	(87) JP2013073773
(47) 12.08.2020	(47) 12.08.2020	09.10.2014
(87) EP2015055846	(22) 01.03.2019	(22) 04.09.2013
24.09.2015	(54) HALF-BRIDGE DRIVER CIRCUIT, RELATED INTEGRATED CIRCUIT AND SYSTEM	(54) POWER CONVERSION DEVICE
(22) 19.03.2015	(73) STMicroelectronics S.r.l.	(73) Mitsubishi Electric Corporation
(54) HYBRID ELECTRIC MACHINE	(72) D'ANGELO, Mr. Giuseppe	Toshiba Mitsubishi-Electric Industrial Systems Corporation
(73) MMT SA	(31) 201800003338	(72) MUKUNOKI, Kaho
(72) HYPPIAS, Arnaud	(32) 07.03.2018	FUJII, Toshiyuki
POINCEAU, Hubert	(33) Italy	MORI, Osamu
(31) 1452382	(51) H02M 3/155	TAMAI, Shinzo
(32) 21.03.2014	H02M 1/32	FUNAHASHI, Sadao
(33) France	H02M 1/36	HOSOKAWA, Yasuhiko
(51) H02K 33/06	G01R 31/40	HIGASHI, Kotaro
H02K 33/16	(11) EP3251203	(31) 2013076626
(11) EP3100341	(21) EP16703381.0	(32) 02.04.2013
(21) EP15705664.9	(47) 12.08.2020	(33) Japan
(47) 12.08.2020	(87) US2016012607	(51) H02M 7/797
(87) FR2015050207	04.08.2016	(11) EP2719068
06.08.2015	(22) 08.01.2016	(21) EP11724205.7
(22) 29.01.2015	(54) APPLYING FORCE VOLTAGE TO SWITCHING NODE OF DISABLED BUCK CONVERTER POWER STAGE	(47) 12.08.2020
(54) ELECTROMAGNETIC LINEAR ACTUATOR WITH TWO INDEPENDENT MOBILE ELEMENTS	(73) Qualcomm Incorporated	(87) EP2011059516
(73) Moving Magnet Technologies	(72) YUNG, Chi-Fan	13.12.2012
(72) BIWERSI, Stéphane	GUPTA, Vishal	(22) 08.06.2011
RIOS-QUESADA, Javier		(54) DC/AC CONVERTER AND METHOD OF CONTROLLING A DC/AC CONVERTER
DELBAERE, Michaël		(73) L-3 Communications Magnet-Motor GmbH
LOUSSERT, Guillaume		(72) BIEBACH, Jens
ANDRIEUX, Gaël		
(31) 1450693		
(32) 29.01.2014		

PESCHKE, Kay	(72) MERKEL, Tino	(32) 17.05.2017
(51) H02P 1/46	BANGERTER, Michael	(33) United States of America
H02P 9/06	(31) 102016207375	(51) H03G 3/30
(11) EP3298685	(32) 29.04.2016	H03G 5/16
(21) EP16721745.4	(33) Germany	H04R 25/00
(47) 12.08.2020	(51) H02P 27/08	H04R 29/00
(87) EP2016059387	(11) EP3507899	H04W 8/00
24.11.2016	(21) EP17757747.5	H04W 4/80
(22) 27.04.2016	(47) 12.08.2020	(11) EP3476136
(54) VARIABLE SPEED DRIVE SYSTEM	(87) EP2017071189	(21) EP17740421.7
AND METHOD FOR STARTING AND/	08.03.2018	(47) 12.08.2020
OR OPERATING A VARIABLE SPEED	(22) 23.08.2017	(87) FI2017050471
DRIVE SYSTEM	(54) MECHATRONIC ASSEMBLY	28.12.2017
(73) Voith Patent GmbH	CONTROLLED BY A PULSE-WIDTH	(22) 22.06.2017
(72) LAUTER, Bernd	MODULATION SIGNAL	(54) OPTIMIZING JOINT OPERATION OF
LINDENMAIER, Jochen	(73) MMT AG	A COMMUNICATION DEVICE AND
KNEER, Sven	(72) CALLERANT, Guillaume	AN ACCESSORY DEVICE COUPLED
(31) 102015107934	(31) 1658199	THERETO
(32) 20.05.2015	(32) 02.09.2016	(73) Savox Communications Oy Ab (Ltd)
(33) Germany	(33) France	(72) HACKL, Daniel Patrick
(51) H02P 21/00	(51) H02S 40/34	(31) 20165517
H02P 21/14	(11) EP2674988	(32) 23.06.2016
(11) EP2678940	(21) EP13171852.0	(33) Finland
(21) EP12756968.9	(47) 12.08.2020	(51) H03H 7/40
(47) 12.08.2020	(22) 13.06.2013	H04B 1/04
(87) US2012025798	(54) Photovoltaic panel socket with clamp	H04B 1/18
20.09.2012	contact for the solar element strips	(11) EP3042446
(22) 20.02.2012	(73) Hirschmann Automotive GmbH	(21) EP14755823.3
(54) METHOD AND SYSTEM FOR	(72) Dünser, Simon	(47) 12.08.2020
CONTROLLING AN ELECTRIC MOTOR	Weiss, Marco	(87) EP2014068159
WITH COMPENSATION FOR TIME	Schmid, Alexander	12.03.2015
DELAY IN POSITION DETERMINATION	(31) 102012209922	(22) 27.08.2014
(73) Deere & Company	(32) 13.06.2012	(54) METHOD FOR AUTOMATIC
(72) WU, Long	(33) Germany	IMPEDANCE MATCHING AND
SHAW, Robert	(51) H03C 3/09	CORRESPONDING TRANSMISSION
KUSUMBA, Srujan	(11) EP2430745	CHANNEL
(31) 201161445640 P	(21) EP10716247.1	(73) Commissariat à l'Energie Atomique et
201113169533	(47) 12.08.2020	aux Energies Alternatives
(32) 23.02.2011	(87) US2010033044	(72) GONZALEZ JIMENEZ, Jose Luis
27.06.2011	04.11.2010	(31) 1358471
(33) United States of America	(22) 29.04.2010	(32) 04.09.2013
United States of America	(54) DIGITAL PHASE-LOCKED LOOP WITH	(33) France
(51) H02P 21/00	TWO-POINT MODULATION USING AN	(51) H03H 9/02
H02P 27/04	ACCUMULATOR AND A PHASE-TO-	(11) EP3323200
(11) EP2709267	DIGITAL CONVERTER	(21) EP16730349.4
(21) EP11865668.5	(73) QUALCOMM Incorporated	(47) 12.08.2020
(47) 12.08.2020	(72) GENG, Jifeng	(87) EP2016063748
(87) JP2011061029	BALLANTYNE, Gary John	19.01.2017
22.11.2012	FILIPOVIC, Daniel F.	(22) 15.06.2016
(22) 13.05.2011	(31) 432468	(54) COMPONENT WITH IMPROVED HEAT
(54) DRIVE SYSTEM FOR SYNCHRONOUS	(32) 29.04.2009	DISSIPATION
MOTOR	(33) United States of America	(73) SnapTrack, Inc.
(73) Hitachi, Ltd.	(51) H03F 1/32	(72) JEWULA, Tomasz
(72) IWAJI, Yoshitaka	H03F 3/195	MEISTER, Veit
AOYAGI, Shigehisa	H03F 3/24	(31) 102015111307
TAKAHATA, Ryoichi	(11) EP3404829	(32) 13.07.2015
TOBARI, Kazuaki	(21) EP18173026.8	(33) Germany
(51) H02P 21/14	(47) 12.08.2020	(51) H03K 5/26
(11) EP3449564	(22) 17.05.2018	H03L 7/085
(21) EP17713263.6	(54) REDUCTION OF SECOND-ORDER	(11) EP3220545
(47) 12.08.2020	NON-LINEAR DISTORTION IN A	(21) EP15859394.7
(87) EP2017056964	WIDEBAND COMMUNICATION	(47) 12.08.2020
02.11.2017	SYSTEM	(87) JP2015081984
(22) 23.03.2017	(73) Zinwave, Ltd.	19.05.2016
(54) METHOD AND APPARATUS FOR	(72) PRENTICE, John	(22) 13.11.2015
CONTROLLING AN ELECTRIC	BERTONERI, Alessandro	(54) PHASE MEASURING DEVICE AND
MACHINE	POTTER, Chris	APPARATUSES USING PHASE
(73) Robert Bosch GmbH	(31) 201715597937	MEASURING DEVICE

(73) National Institute of Advanced Industrial Science and Technology	(33) Germany	(54) SYSTEMS AND METHODS FOR CANCELLING INTERFERENCE USING MULTIPLE ATTENUATION DELAYS
(72) KOKUYAMA wataru	(51) H03K 19/003	(73) The Board of Trustees of the Leland Stanford Junior University
(31) 2014231985	(11) EP2733850	(72) HONG, Steven
(32) 14.11.2014	(21) EP13192557.0	MEHLMAN, Jeff
(33) Japan	(47) 12.08.2020	BHARADIA, Dinesh
(51) H03K 17/06	(22) 12.11.2013	KATTI, Sachin
H02M 1/38	(54) Trigger circuit and method for improved transient immunity	(31) 201261657567 P
(11) EP3507895	(73) NXP USA, Inc.	(32) 08.06.2012
(21) EP17791617.8	(72) Stockinger, Michael	(33) United States of America
(47) 12.08.2020	(31) 201213682604	(51) H04B 1/16
(87) EP2017076335	(32) 20.11.2012	H04J 3/00
03.05.2018	(33) United States of America	H04J 11/00
(22) 16.10.2017	(51) H03M 7/30	(11) EP3214775
(54) CHANGE IN THE SWITCHING STATE OF A SWITCHING HALF BRIDGE	(11) EP3093998	(21) EP15856089.6
(73) Siemens Aktiengesellschaft	(21) EP15195299.1	(47) 12.08.2020
(72) MÄRZ, Andreas	(47) 12.08.2020	(87) JP2015079441
BAKRAN, Mark-Matthias	(22) 19.11.2015	06.05.2016
(31) 16196035	(54) HARDWARE DATA COMPRESSOR THAT SORTS HASH CHAINS BASED ON NODE STRING MATCH PROBABILITIES	(22) 19.10.2015
(32) 27.10.2016	(73) VIA Alliance Semiconductor Co., Ltd.	(54) RECEIVING DEVICE AND METHOD
(33) European Patent Office (EPO)	(72) HENRY, G Glenn	(73) Sony Corporation
(51) H03K 17/94	PARKS, Terry	(72) KAMATA Hiroyuki
H03K 17/96	O'BRIEN, Kyle T	KAWAUCHI Hidetoshi
H03K 17/968	(31) 201562159352 P	YOKOSHIMA Hideki
(11) EP3308463	201514883090	(31) 2014221034
(21) EP15731845.2	(32) 11.05.2015	(32) 30.10.2014
(47) 12.08.2020	14.10.2015	(33) Japan
(87) EP2015001199	(33) United States of America	(51) H04B 1/38
22.12.2016	United States of America	(11) EP3514972
(22) 15.06.2015	(51) H03M 13/45	(21) EP18152278.0
(54) PUSH BUTTON AND METHOD FOR CONTROLLING AN ELECTRONIC APPLIANCE	H04L 27/38	(47) 12.08.2020
(73) Diehl AKO Stiftung & Co. KG	(11) EP3059916	(22) 18.01.2018
(72) MAIGLER, Andreas	(21) EP13895506.7	(54) SMALL FORM-FACTOR PLUGGABLE TRANSCEIVER
FROMMELT, Thomas	(47) 12.08.2020	(73) Axcen Photonics Corp.
LYSZUS, Joachim	(87) JP2013078321	(72) CHEN, Yi-Ming
STOHR, Ralph	23.04.2015	(51) H04B 1/38
FUHGE, Bruno	(22) 18.10.2013	(11) EP3514973
(51) H03K 17/955	(54) LIKELIHOOD GENERATION CIRCUIT AND LIKELIHOOD GENERATION METHOD	(21) EP18152281.4
(11) EP2957034	(73) Mitsubishi Electric Corporation	(47) 12.08.2020
(21) EP14704149.5	(72) FUJIMORI, Takafumi	(22) 18.01.2018
(47) 12.08.2020	SUGIHARA, Takashi	(54) SMALL FORM-FACTOR PLUGGABLE TRANSCEIVER
(87) EP2014052764	(51) H04B 1/04	(73) Axcen Photonics Corp.
21.08.2014	H04B 1/30	(72) CHEN, Yi-Ming
(22) 12.02.2014	H04L 27/36	(51) H04B 1/3827
(54) SIMPLIFIED CAPACITIVE SENSOR UNIT	(11) EP3419184	(11) EP3158653
(73) Huf Hülsbeck & Fürst GmbH & Co. KG	(21) EP16917183.2	(21) EP15731872.6
(72) MUZZETTO, Mario	(47) 12.08.2020	(47) 12.08.2020
(31) 102013101374	(87) CN2016100790	(87) EP2015063433
(32) 12.02.2013	05.04.2018	23.12.2015
(33) Germany	(22) 29.09.2016	(22) 16.06.2015
(51) H03K 17/96	(54) MICROWAVE TRANSMITTER AND METHOD FOR ADJUSTING SIGNAL	(54) MODULAR DEVICE FOR POSITIONING TWO COMPONENTS WITH RESPECT TO ONE ANOTHER
(11) EP3329597	(73) Huawei Technologies Co., Ltd.	(73) Fazup
(21) EP16751529.5	(72) LYU, Rui	(72) SAMAKH, Antoine
(47) 12.08.2020	(51) H04B 1/12	SAMAKH, Mathieu
(87) EP2016068171	H04B 1/525	(31) 1455598
02.02.2017	(11) EP2859659	(32) 18.06.2014
(22) 29.07.2016	(21) EP13801200.0	(33) France
(54) CONTROL DEVICE FOR A VEHICLE AND METHOD FOR OPERATING SUCH A CONTROL DEVICE	(47) 12.08.2020	(51) H04B 1/707
(73) Valeo Schalter und Sensoren GmbH	(87) US2013044830	H01Q 3/34
(72) STAUDE, Sascha	12.12.2013	H04W 64/00
(31) 102015112444	(22) 07.06.2013	(11) EP3316491
(32) 30.07.2015		

(21) EP16816917.5	H04L 29/06	(21) EP14909535.8
(47) 12.08.2020	H04W 12/06	(47) 12.08.2020
(87) CN2016072744	G06Q 20/16	(87) CN2014096011
05.01.2017	G06F 21/64	07.07.2016
(22) 29.01.2016	H04W 4/80	(22) 31.12.2014
(54) METHOD AND APPARATUS FOR	(11) EP3183701	(54) DATA TRANSMISSION METHOD AND
DETECTING CONNECTION LINE	(21) EP15803610.3	DEVICE
ORDER OF ELECTRICAL TILTING	(47) 12.08.2020	(73) Huawei Technologies Co., Ltd.
ANTENNA	(87) US2015033478	(72) LU, Lei
(73) ZTE Corporation	10.12.2015	SHI, Dai
(72) WANG, Boming	(22) 01.06.2015	GUO, Wenting
GUO, Rong	(54) CLIENT, COMPUTING PLATFORM,	(51) H04B 7/06
GUO, Tiansheng	AND METHODS FOR CONDUCTING	H04L 1/06
CHEN, Yonghong	SECURE TRANSACTIONS	H04L 5/00
LEI, Baoguo	(73) Certus Technology Systems Inc.	H04W 4/08
(31) 201510369065	(72) WOLOSEWICZ, Jack	H04W 72/04
(32) 29.06.2015	(31) 201414293112	H04W 72/12
(33) China	(32) 02.06.2014	H04W 84/12
(51) H04B 1/707	(33) United States of America	H04B 7/04
H04B 1/7077	(51) H04B 7/06	(11) EP2656512
H04B 1/708	(11) EP3011686	(21) EP11850482.8
H04J 13/00	(21) EP14735078.9	(47) 12.08.2020
H04W 80/02	(47) 12.08.2020	(87) US2011063049
(11) EP3345318	(87) US2014041851	28.06.2012
(21) EP15902479.3	24.12.2014	(22) 02.12.2011
(47) 12.08.2020	(22) 11.06.2014	(54) MU-MIMO ACCESS POINT AND USER
(87) CA2015000603	(54) DEVICES AND METHODS FOR	STATION INCLUDING METHODS FOR
09.03.2017	FACILITATING SIGNAL-TO-	MULTI-USER GROUP MANAGEMENT
(22) 17.12.2015	INTERFERENCE RATIO ESTIMATES	(73) Intel Corporation
(54) IDENTIFYING A CODE FOR SIGNAL	FOR CLOSED-LOOP TRANSMISSION	(72) STACEY, Robert J.
DECODING	DIVERSITY COMMUNICATIONS	GONG, Xiaohong X.
(73) Cognitive Systems Corp.	(73) Qualcomm Incorporated	(31) 975614
(72) DEVISON, Stephen, A.	(72) ZHANG, Wei	(32) 22.12.2010
OMER, Mohammad	XIE, Guang	(33) United States of America
(31) 201514843167	CHIZGI, Nate	(51) H04B 7/06
(32) 02.09.2015	SRIPATHI, Prashant Udupa	H04L 5/00
(33) United States of America	TSAKIRIS, Todd Nicholas	H04L 25/02
(51) H04B 3/54	(31) 201361836824 P	H04W 72/04
(11) EP3231099	201314100875	(11) EP3398306
(21) EP15804168.1	(32) 19.06.2013	(21) EP16825626.1
(47) 12.08.2020	09.12.2013	(47) 12.08.2020
(87) FR2015053074	(33) United States of America	(87) US2016067319
16.06.2016	United States of America	06.07.2017
(22) 16.11.2015	(51) H04B 7/06	(22) 16.12.2016
(54) SYNCHRONISATION OF A PLC	(11) EP3136616	(54) TRANSMISSION OF CHANNEL
NETWORK	(21) EP15782453.3	STATE INFORMATION BASED ON
(73) Electricite Reseau Distribution France	(47) 12.08.2020	SELECTED NON-FREQUENCY
(72) ACHAICHA, Pierre	(87) CN2015077170	DOMAIN COMPONENTS OF CHANNEL
(31) 1462221	29.10.2015	RESPONSES
(32) 11.12.2014	(22) 22.04.2015	(73) QUALCOMM Incorporated
(33) France	(54) METHOD, SYSTEM AND DEVICE	(72) MANOLAKOS, Alexandros
(51) H04B 5/00	FOR MEASURING CHANNEL STATE	JIANG, Jing
(11) EP3189598	INFORMATION	NAMGOONG, June
(21) EP15794978.5	(73) China Academy of Telecommunications	KRISHNAMOORTHY, Raghuraman
(47) 12.08.2020	Technology	SORIAGA, Joseph, Binamira
(87) IL2015050831	(72) SU, Xin	Ji, Tingfang
10.03.2016	LI, Chuanjun	(31) 201562271559 P
(22) 17.08.2015	(31) 201410166094	201615176986
(54) MOBILE HANDHELD ANTENNA FOR	(32) 23.04.2014	(32) 28.12.2015
READING TAGS	(33) China	08.06.2016
(73) Haldor Advanced Technologies Ltd	(51) H04B 7/06	(33) United States of America
(72) DOR, Guy	H04B 7/155	United States of America
ZEELI, Dan	H04B 7/216	(51) H04B 7/06
KADOSH-TAMARI, Ilan	H04L 25/03	H04L 5/00
(31) 201414476761	H04L 29/02	H04W 24/08
(32) 04.09.2014	H04L 29/08	H04W 36/00
(33) United States of America	H04B 7/024	H04W 36/14
(51) H04B 5/00	(11) EP3242460	H04W 36/36

H04W 36/38	(51) H04B 7/185	H04J 3/06
H04W 56/00	H04B 1/38	H04L 1/00
H04B 7/024	(11) EP3241286	H04L 25/02
H04B 7/0456	(21) EP15826111.5	H04L 27/18
H04W 76/22	(47) 12.08.2020	H04L 27/26
(11) EP2982158	(87) US2015067706	(11) EP2624480
(21) EP13880978.5	07.07.2016	(21) EP13020012.4
(47) 12.08.2020	(22) 28.12.2015	(47) 12.08.2020
(87) US2013077666	(54) SYSTEMS AND METHODS FOR	(22) 09.05.2006
09.10.2014	INCREASING THE TRANSMISSION	(54) Data transmission with efficient
(22) 24.12.2013	SPEED OF A SATELLITE VSAT	slot and block formats in a wireless
(54) NETWORK-ASSISTED LTE CHANNEL	(73) Hughes Network Systems, LLC	communication system
ACQUISITION	(72) HARRINGTON, Emanuel Girard	(73) QUALCOMM Incorporated
(73) Intel IP Corporation	LACASSE, Paul E.	(72) Andersen, Niels Peter Skov
(72) CHOU, Joey	OLTIKAR, Mohana Subhash	Casaccia, Lorenzo
STEPHENS, Adrian Paul	HELFRICH, Raymond	(31) 679316 P
(31) 201361808597 P	(31) 201414587422	(32) 09.05.2005
(32) 04.04.2013	(32) 31.12.2014	(33) United States of America
(33) United States of America	(33) United States of America	<hr/>
(51) H04B 7/06	(51) H04B 7/26	(51) H04B 7/26
H04L 27/26	H04B 7/04	H04J 11/00
(11) EP3529961	(11) EP3429093	H04L 1/18
(21) EP17791177.3	(21) EP18188498.2	H04L 5/00
(47) 12.08.2020	(47) 12.08.2020	H04L 27/26
(87) JP2017035365	(22) 11.05.2011	H04W 72/04
03.05.2018	(54) METHOD AND DEVICE FOR LOW-	(11) EP3407526
(22) 22.09.2017	COMPLEXITY FEEDBACK IN A	(21) EP18184188.3
(54) DETERMINATION OF A CP LENGTH IN	MULTIUSER AND MULTIPPOINT	(47) 12.08.2020
A COMMUNICATION NETWORK USING	COOPERATIVE COMMUNICATION	(22) 28.04.2008
CDD SCHEME	SYSTEM	(54) METHOD, COMPUTER READABLE
(73) Mitsubishi Electric Corporation	(73) Samsung Electronics Co., Ltd.	MEDIUM AND APPARATUS FOR
(72) KIM, Kyeong Jin	(72) LI, Hua	TRANSMITTING A REFERENCE
ORLIK, Philip	CHOI, Jun Il	SIGNAL IN A WIRELESS
(31) 201615332008	CLERCKX, Bruno	COMMUNICATION SYSTEM
(32) 24.10.2016	(31) 201110035983	(73) LG Electronics Inc.
(33) United States of America	20110024270	(72) KWAK, Jin Sam
(51) H04B 7/15	(32) 30.01.2011	HAN, Seung Hee
(11) EP3275095	18.03.2011	NOH, Min Seok
(21) EP15785194.0	(33) China	KWON, Yeong Hyeon
(47) 12.08.2020	Korea (Republic)	LEE, Hyun Woo
(87) IB2015058038	<hr/>	KIM, Dong Cheol
06.10.2016	(51) H04B 7/26	(31) 20070041028
(22) 19.10.2015	H04J 1/00	(32) 26.04.2007
(54) DIGITAL REPEATER SYSTEM	H04J 11/00	(33) Korea (Republic)
(73) Andrew Wireless Systems GmbH	H04L 1/00	<hr/>
(72) LANGE, Keld Knut	H04L 1/04	(51) H04B 7/26
DUSSMANN, Alfons	H04L 5/00	H04L 1/08
SCHWAB, Daniel	H04L 27/26	H04L 5/00
(31) 15161404	H04J 99/00	H04L 5/14
(32) 27.03.2015	H04W 72/00	H04L 5/22
(33) European Patent Office (EPO)	H04W 72/04	H04W 72/04
(51) H04B 7/15	H04W 4/00	H04W 72/12
H04W 36/00	(11) EP2104370	H04W 76/15
(11) EP3275094	(21) EP08703008.6	(11) EP3146784
(21) EP15785192.4	(47) 12.08.2020	(21) EP15723633.2
(47) 12.08.2020	(87) JP2008050137	(47) 12.08.2020
(87) IB2015057941	17.07.2008	(87) US2015029964
06.10.2016	(22) 09.01.2008	26.11.2015
(22) 15.10.2015	(54) RADIO COMMUNICATION BASE	(22) 08.05.2015
(54) REPEATER SYSTEM FOR USE ON A	STATION DEVICE AND CONTROL	(54) APPARATUS AND METHOD
MOVABLE OBJECT	SIGNAL MAPPING METHOD	FOR INTER-BAND PAIRING OF
(73) Andrew Wireless Systems GmbH	(73) Sun Patent Trust	CARRIERS FOR TIME DIVISION
(72) LANGE, Keld Knut	(72) NISHIO, Akihiko	DUPLEX TRANSMIT- AND RECEIVE-
DUSSMANN, Alfons	SUZUKI, Hidetoshi	SWITCHING AND ITS APPLICATION
SCHWAB, Daniel	WENGERTER, Christian	TO MULTIPLEXING OF DIFFERENT
(31) 15161405	(31) 2007001726	TRANSMISSION TIME INTERVALS
(32) 27.03.2015	(32) 09.01.2007	(73) Qualcomm Incorporated
(33) European Patent Office (EPO)	(33) Japan	(72) Ji, Tingfang
<hr/>	(51) H04B 7/26	SMEE, John Edward
		SORIAGA, Joseph Binamira

BHUSHAN, Naga	14.05.2015	(47) 12.08.2020
GAAL, Peter	(33) United States of America	(22) 18.10.2016
GOROKHOV, Alexei Yurievitch	United States of America	(54) INTERCOM SYSTEM AND
MUKKAVILLI, Krishna Kiran	United States of America	COMMUNICATION METHOD THEREOF
ANG, Peter	(51) H04B 15/02	(73) Panasonic Intellectual Property
HOWARD, Michael Alexander	H02K 11/02	Management Co., Ltd.
COOPER, Rotem	(11) EP2355312	(72) YAMAMOTO, Takashi
(31) 201462000454 P	(21) EP11153346.9	NAKAGAWA, Katsumi
201462000443 P	(47) 12.08.2020	KUSUI, Naotaka
201414567985	(22) 04.02.2011	HAYASHI, Toshio
(32) 19.05.2014	(54) Suppressor assembly of an actuator with	(31) 2015220179
19.05.2014	an electric motor	2016125974
11.12.2014	(73) Vitesco Technologies GmbH	2016130480
(33) United States of America	(72) Köhler, Stefan	2016136800
United States of America	Wallrafen, Werner	(32) 10.11.2015
United States of America	(31) 102010007155	24.06.2016
(51) H04B 7/26	(32) 05.02.2010	30.06.2016
H04L 1/16	(33) Germany	11.07.2016
H04L 5/00	(51) H04H 20/61	(33) Japan
H04L 27/26	H04R 27/00	Japan
(11) EP3531600	H04R 29/00	Japan
(21) EP19168915.7	H04W 24/02	Japan
(47) 12.08.2020	H04W 24/10	(51) H04J 3/16
(22) 12.12.2011	H04W 88/08	(11) EP3306841
(54) METHOD AND APPARATUS FOR	(11) EP2499842	(21) EP17199072.4
TRANSMITTING ACK/NACK IN A	(21) EP10760657.6	(47) 12.08.2020
WIRELESS COMMUNICATION SYSTEM	(47) 12.08.2020	(22) 09.06.2009
BASED ON TDD	(87) EP2010063959	(54) LOSSLESS ADJUSTMENT METHOD
(73) LG Electronics Inc.	12.05.2011	OF ODUFLEX CHANNEL BANDWIDTH
(72) AHN, Joon Kui	(22) 22.09.2010	AND ODUFLEX CHANNEL
YANG, Suck Chel	(54) NETWORK SYSTEM FOR AUDIO	(73) Huawei Technologies Co., Ltd.
KIM, Min Gyu	EQUIPMENT, METHOD AND	(72) Su, Wei
SEO, Dong Youn	COMPUTER PROGRAM	Ding, Chiwu
(31) 42263910 P	(73) Robert Bosch GmbH	Dong, Limin
42357010 P	(72) KOCH, Hartwig	Wu, Qiyou
201061425736 P	KIEHNE, Holger	(51) H04J 3/16
201161433897 P	KLINGLER, Florian	H04L 12/403
(32) 13.12.2010	CIRCA, Radu	H04L 29/10
15.12.2010	HOFMANN, Frank	H04Q 11/06
21.12.2010	SPREITZ, Gerald	H04L 12/931
18.01.2011	JAKOBLEW, Sascha	H04L 12/933
(33) United States of America	(31) 102009046544	(11) EP3468155
United States of America	(32) 09.11.2009	(21) EP18187311.8
United States of America	(33) Germany	(47) 12.08.2020
United States of America	(51) H04J 3/06	(22) 21.03.2013
(51) H04B 7/26	H04L 12/26	(54) TRANSMISSION APPARATUS AND
H04L 5/00	G01S 19/21	METHOD
H04W 72/04	(11) EP2803154	(73) Huawei Technologies Co., Ltd.
(11) EP3270526	(21) EP13724148.5	(72) ZHONG, Qiwen
(21) EP15884767.3	(47) 12.08.2020	(51) H04J 11/00
(47) 12.08.2020	(87) AT2013050083	H04L 5/00
(87) KR2015010856	17.10.2013	(11) EP3349379
15.09.2016	(22) 09.04.2013	(21) EP16844694.6
(22) 14.10.2015	(54) METHOD AND MASTERCLOCK	(47) 12.08.2020
(54) METHOD FOR REDUCING	FOR PROVIDING FAIL-SILENT	(87) KR2016010075
TRANSMISSION RESOURCE OF	SYNCHRONISATION MESSAGES	16.03.2017
CONTROL CHANNEL IN SHORT TTI,	(73) TTTech Computertechnik AG	(22) 08.09.2016
AND DEVICE USING SAME	(72) POLEDNA, Stefan	(54) METHOD AND APPARATUS FOR
(73) LG Electronics Inc.	(31) 4322012	RECEIVING DOWNLINK PHYSICAL
(72) BYUN, Ilmu	(32) 11.04.2012	BROADCASTING CHANNEL IN RADIO
CHO, Heejeong	(33) Austria	ACCESS SYSTEM THAT SUPPORTS
HAHN, Genebeck	(51) H04J 3/06	NARROW BAND INTERNET OF
LEE, Eunjong	H04L 25/02	THINGS
(31) 201562132456 P	H04M 11/02	(73) LG Electronics Inc.
201562135717 P	H04N 7/18	(72) KIM, Bonghoe
201562161871 P	H04B 3/46	KO, Hyunsoo
(32) 12.03.2015	(11) EP3169064	YI, Yunjung
20.03.2015	(21) EP16194446.7	(31) 201562215169 P

(32) 08.09.2015	(11) EP2656527	(73) Marvell Asia Pte, Ltd.
(33) United States of America	(21) EP11714565.6	(72) CHOI, Jihwan, P.
(51) H04J 11/00	(47) 12.08.2020	HAN, Jiwon, S.
H04L 5/00	(87) EP2011056075	GOMADAM, Krishna, Srikanth
H04B 7/04	28.06.2012	SUN, Yakun
(11) EP3130084	(22) 18.04.2011	XU, Mingguang
(21) EP14888657.5	(54) A PASSIVE OPTICAL NETWORK	LOU, Hui-Ling
(47) 12.08.2020	ARRANGEMENT AND METHOD	(31) 201261603050 P
(87) CN2014074873	(73) Telefonaktiebolaget LM Ericsson (publ)	(32) 24.02.2012
15.10.2015	(72) CAVALIERE, Fabio	(33) United States of America
(22) 07.04.2014	GIORGI, Luca	(51) H04L 1/00
(54) CLIENT SPECIFIC FREQUENCY	(31) 10195870	H04L 1/18
OFFSET ESTIMATION COPYRIGHT	(32) 20.12.2010	(11) EP3493443
NOTICE	(33) European Patent Office (EPO)	(21) EP18208245.3
(73) Intel IP Corporation	(51) H04J 14/02	(47) 12.08.2020
(72) CHEN, Xiaogang	H04B 10/071	(22) 06.12.2013
LI, Honggang	H04B 10/2575	(54) METHOD AND DEVICE FOR
LI, Qinghua	H04B 10/40	DYNAMICALLY CONFIGURING EITHER
PERAHIA, Eldad	(11) EP3005585	FEC OR ARQ AS IMPULSE NOISE
KENNEY, Thomas J.	(21) EP13886611.6	PROTECTION ON A COMMUNICATION
(51) H04J 11/00	(47) 12.08.2020	LINE
H04W 72/00	(87) SE2013051109	(73) Alcatel Lucent
(11) EP2810387	11.12.2014	(72) DARDENNE, Xavier
(21) EP13701793.5	(22) 24.09.2013	DROOGHAAG, Benoît
(47) 12.08.2020	(54) NETWORK UNIT AND METHOD FOR	(51) H04L 1/00
(87) EP2013051841	MONITORING A FIBER LINE	H04L 1/18
08.08.2013	(73) Telefonaktiebolaget LM Ericsson (publ)	H04L 5/00
(22) 31.01.2013	(72) VALL-LLOSERA, Gemma	H04W 52/34
(54) DOWNLINK INTER-CELL	DORTSCHY, Boris	H04W 72/04
INTERFERENCE CANCELLATION	URBAN, Patryk	H04B 7/024
WITH CELL AGGREGATION	(31) PCT/SE2013/050644	(11) EP3430853
COORDINATED MULTI-POINT	(32) 04.06.2013	(21) EP17773326.8
(73) Nokia Solutions and Networks Oy	(33) World Intellectual Property Office (WIPO)	(47) 12.08.2020
(72) TIROLA, Esa Tapani	(51) H04L 1/00	(87) CN2017079109
PAJUKOSKI, Kari Pekka	(11) EP3217583	05.10.2017
LUNTTILA, Timo Erkki	(21) EP17160895.3	(22) 31.03.2017
KIISKI, Matti Tapani	(47) 12.08.2020	(54) MECHANISMS FOR MULTI-TIER
TIRKKONEN, Olav	(22) 22.02.2008	DISTRIBUTED CO-OPERATIVE MULTI-
(31) 201213363780	(54) DECODER AND METHOD FOR	POINT TECHNOLOGY
(32) 01.02.2012	DECODING A SEQUENCE OF	(73) Huawei Technologies Co., Ltd.
(33) United States of America	PACKETS	(72) BALIGH, Mohammadhadi
(51) H04J 13/00	(73) Fraunhofer-Gesellschaft zur Förderung	BAYESTEHE, Alireza
H04J 13/18	der angewandten Forschung e.V.	ZARIFI, Keyvan
H04B 7/06	(72) Sperschneider, Ralph	VILAIPOURNSAWAI, Usa
H04L 5/00	Lutzky, Manfred	LIN, Yicheng
H04L 27/26	Schuldt, Michael	(31) 201662316914 P
H04L 29/08	Schnell, Markus	201615181971
H04W 24/10	Gayer, Marc	(32) 01.04.2016
H04W 72/04	Lohwasser, Markus	14.06.2016
H04B 7/04	(31) 102007013315	(33) United States of America
(11) EP3515006	102007018484	United States of America
(21) EP19158748.4	912839 P	(51) H04L 1/00
(47) 12.08.2020	(32) 20.03.2007	H04L 5/00
(22) 20.12.2011	19.04.2007	H04W 4/80
(54) INTEGRATED CIRCUIT, TRANSMITTER	19.04.2007	(11) EP3166245
AND TRANSMISSION METHOD	(33) Germany	(21) EP15815773.5
(73) Sun Patent Trust	Germany	(47) 12.08.2020
(72) OGAWA, Yoshihiko	United States of America	(87) KR2015006716
NISHIO, Akihiko	(51) H04L 1/00	07.01.2016
HOSHINO, Masayuki	H04L 1/18	(22) 30.06.2015
IWAI, Takashi	(11) EP2817911	(54) NEW UPLINK REFERENCE SIGNAL
(31) 2011001829	(21) EP13708984.3	TRANSMISSION METHOD AND
2011009870	(47) 12.08.2020	DEVICE IN MILLIMETRE-WAVE-
(32) 07.01.2011	(87) US2013027291	SUPPORTING WIRELESS ACCESS
20.01.2011	29.08.2013	SYSTEM
(33) Japan	(22) 22.02.2013	(73) LG Electronics Inc.
Japan	(54) CROSS-LAYER SCHEDULING BASED	(72) CHOI, Kukheon
(51) H04J 14/02	ON LOWER LAYER FEEDBACK	CHUNG, Jaehoon

HAHN, Genebeck	(73) Huawei Technologies Co., Ltd.	(51) H04L 1/18
LEE, Eunjong	(72) AU, Kelvin Kar Kin	H04L 5/00
KIM, Jinmin	MA, Jianglei	H04L 5/14
NOH, Kwangseok	ZHANG, Liqing	H04L 27/26
(31) 201462020405 P	QIU, Jing	H04W 72/04
(32) 03.07.2014	(31) 201562168616 P	H04W 72/12
(33) United States of America	201615078621	(11) EP3420772
(51) H04L 1/00	(32) 29.05.2015	(21) EP17765854.9
H04L 29/06	23.03.2016	(47) 12.08.2020
H04W 36/00	(33) United States of America	(87) CN2017076898
H04W 40/30	United States of America	21.09.2017
H04W 52/02	(51) H04L 1/16	(22) 16.03.2017
H04W 80/06	H04L 1/18	(54) FLEXIBLE FRAME STRUCTURE FOR
H04W 76/27	H04L 5/00	OFDM SYSTEMS
H04W 76/28	H04W 72/04	(73) Mediatek Inc.
(11) EP3075138	H04W 74/00	(72) LIAO, Pei-Kai
(21) EP14866534.2	(11) EP3348103	CHEN, Tao
(47) 12.08.2020	(21) EP16770013.7	GUEY, Jiann-Ching
(87) US2014064422	(47) 12.08.2020	(31) 201662309993 P
04.06.2015	(87) EP2016072506	(32) 18.03.2016
(22) 06.11.2014	30.03.2017	(33) United States of America
(54) TCP TRAFFIC ADAPTATION IN	(22) 22.09.2016	(51) H04L 1/18
WIRELESS SYSTEMS	(54) METHOD FOR INDICATING THE	H04L 5/00
(73) Intel Corporation	ALLOCATED RESOURCES FOR A	H04W 52/02
(72) YU, Yifan	HARQ MESSAGE IN A RANDOM	H04W 74/08
LI, Xiang	ACCESS PROCEDURE FOR A LOW-	(11) EP3544215
LI, Guangjie	COMPLEXITY, NARROWBAND	(21) EP19174120.6
ZHANG, Xu	TERMINAL	(47) 12.08.2020
(31) 201361909938 P	(73) Sony Corporation	(22) 30.11.2017
201414314397	(72) WONG, Shin Horng	(54) METHOD AND APPARATUS FOR
(32) 27.11.2013	(31) 15186962	TRANSMITTING AND RECEIVING
25.06.2014	(32) 25.09.2015	DATA IN WIRELESS COMMUNICATION
(33) United States of America	(33) European Patent Office (EPO)	SYSTEM
United States of America	(51) H04L 1/16	(73) Samsung Electronics Co., Ltd.
(51) H04L 1/00	H04L 5/00	(72) Kim, Youngbum
H04W 24/10	H04B 7/0452	Lee, Juho
H04W 28/04	(11) EP3389204	(31) 20160162268
(11) EP2622899	(21) EP16872276.7	(32) 30.11.2016
(21) EP11828903.2	(47) 12.08.2020	(33) Korea (Republic)
(47) 12.08.2020	(87) CN2016105095	(51) H04L 1/18
(87) JP2011071538	15.06.2017	H04L 29/14
05.04.2012	(22) 08.11.2016	H04W 28/02
(22) 14.09.2011	(54) DMRS INDICATION METHOD,	H04W 72/12
(54) UPLINK CONTROL INFORMATION	TERMINAL, AND BASE STATION	(11) EP3573315
MULTIPLEXING ON THE PHYSICAL	(73) China Academy of Telecommunications	(21) EP17895582.9
UPLINK CONTROL CHANNEL FOR	Technology	(47) 12.08.2020
LTE-A	(72) SONG, Yang	(87) CN2017073217
(73) Sharp Kabushiki Kaisha	SU, Xin	16.08.2018
(72) YAMADA, Shohei	(31) 201510907474	(22) 10.02.2017
YIN, Zhanping	(32) 09.12.2015	(54) METHODS FOR DATA TRANSMISSION
CHOUDHURY, Sayantan	(33) China	AND RELATED DEVICES
(31) 896859	(51) H04L 1/18	(73) Huawei Technologies Co., Ltd.
(32) 02.10.2010	(11) EP3282619	(72) LU, Zhenwei
(33) United States of America	(21) EP16776085.9	LIU, Deping
(51) H04L 1/16	(47) 12.08.2020	(51) H04L 1/18
H04L 1/18	(87) CN2016077682	H04W 72/08
H04L 5/00	13.10.2016	(11) EP3354096
H04L 5/14	(22) 29.03.2016	(21) EP16848146.3
H04L 27/26	(54) INFORMATION TRANSMISSION	(47) 12.08.2020
(11) EP3292651	METHOD AND DEVICE	(87) CN2016099810
(21) EP16803990.7	(73) China Academy of Telecommunications	30.03.2017
(47) 12.08.2020	Technology	(22) 23.09.2016
(87) US2016033436	(72) XING, Yanping	(54) INFORMATION BITS PACKAGING
08.12.2016	LIN, Yanan	(73) Telefonaktiebolaget LM Ericsson (PUBL)
(22) 20.05.2016	LIU, Jianhua	(72) LI, Shaohua
(54) SYSTEMS AND METHODS OF	(31) 201510166991	ANDERSSON, Mattias
ADAPTIVE FRAME STRUCTURE FOR	(32) 09.04.2015	(31) PCT/CN2015/090840
TIME DIVISION DUPLEX	(33) China	(32) 25.09.2015



(33) World Intellectual Property Office (WIPO)	(31) 201361748326 P	28.09.2017
(51) H04L 1/18	201314132660	(22) 08.03.2017
H04W 72/12	(32) 02.01.2013	(54) DYNAMIC DEMODULATION
H04W 76/18	18.12.2013	INDICATION
(11) EP3395111	(33) United States of America	(73) Telefonaktiebolaget LM Ericsson (PUBL)
(21) EP16797512.7	United States of America	(72) FRÖBERG OLSSON, Jonas
(47) 12.08.2020	(51) H04L 5/00	FRENGER, Pål
(87) EP2016077622	(11) EP2252002	HESSLER, Martin
29.06.2017	(21) EP10175654.2	(31) 201662311497 P
(22) 15.11.2016	(47) 12.08.2020	(32) 22.03.2016
(54) ALLOCATION OF TRANSMISSION	(22) 31.12.2002	(33) United States of America
ATTEMPTS	(54) Apparatus and method for resource	(51) H04L 5/00
(73) Nokia Solutions and Networks Oy	allocation in a MIMO-OFDM	H04L 12/40
(72) Li, Zexian	communication system	(11) EP3425832
SHARIATMADARI, Hamidreza	(73) Qualcomm Incorporated	(21) EP17210905.0
UUSITALO, Mikko Aleksi	(72) Walton, Jay Rod	(47) 12.08.2020
IRAJI, Sassan	Ketchum, John W.	(22) 28.12.2017
(31) 201514978454	Wallace, Mark	(54) METHOD AND APPARATUS FOR
(32) 22.12.2015	Medvedev, Irina c/o QUALCOMM	REAL-TIME TRANSMISSION
(33) United States of America	Incorporated	IN A FIELD BROADBAND BUS
(51) H04L 1/20	(31) 42529	ARCHITECTURE OVER AN
H04L 7/00	(32) 08.01.2002	INDUSTRIAL INTERNET
H04W 24/10	(33) United States of America	(73) Kyland Technology Co., Ltd.
H04B 17/318	(51) H04L 5/00	(72) Shao, Zhihui
H04W 76/28	(11) EP3047597	Shi, Jing
(11) EP2342861	(21) EP14783937.7	Zhong, Hui
(21) EP09792810.5	(47) 12.08.2020	Huang, Yi
(47) 12.08.2020	(87) US2014056280	(31) 201710542984
(87) US2009057759	26.03.2015	(32) 05.07.2017
25.03.2010	(22) 18.09.2014	(33) China
(22) 22.09.2009	(54) REFERENCE SIGNAL RESOURCE	(51) H04L 5/00
(54) METHOD AND APPARATUS	ALLOCATION	H04L 27/00
FOR LTE RADIO LINK FAILURE	(73) Qualcomm Incorporated	H04W 72/12
DETERMINATION IN DRX MODE	(72) LUO, Tao	(11) EP3435722
(73) InterDigital Patent Holdings, Inc.	CHEN, Wanshi	(21) EP16896100.1
(72) WANG, Peter, S.	GAAL, Peter	(47) 12.08.2020
OLVERA-HERNANDEZ, Ulises	(31) 201361880499 P	(87) CN2016078387
MARINIER, Paul	201414489226	05.10.2017
GAUVREAU, Jean-Louis	(32) 20.09.2013	(22) 01.04.2016
ZHANG, Guodong	17.09.2014	(54) UPLINK INFORMATION
SOMASUNDARAM, Shankar	(33) United States of America	TRANSMISSION METHOD, TERMINAL
DENNEAN, Charles A.	United States of America	APPARATUS, AND WIRELESS
LEVY, Joseph S.	(51) H04L 5/00	COMMUNICATION SYSTEM IN
TERRY, Stephen E.	H04L 5/14	UNLICENSED SPECTRUM
(31) 99040 P	H04B 17/318	(73) Huawei Technologies Co., Ltd.
110838 P	(11) EP3444973	(72) YAN, Zhiyu
(32) 22.09.2008	(21) EP17792485.9	GUAN, Lei
03.11.2008	(47) 12.08.2020	(51) H04L 5/00
(33) United States of America	(87) CN2017082875	H04L 27/26
United States of America	09.11.2017	(11) EP3446433
(51) H04L 1/20	(22) 03.05.2017	(21) EP17799684.0
H04W 28/26	(54) METHOD AND APPARATUS	(47) 12.08.2020
H04W 72/02	FOR CONFIGURING SOUNDING	(87) KR2017005192
H04W 92/20	REFERENCE SIGNAL	23.11.2017
(11) EP2941931	(73) Huawei Technologies Co., Ltd.	(22) 18.05.2017
(21) EP13822040.5	(72) HUANG, Yi	(54) METHOD AND APPARATUS FOR
(47) 12.08.2020	WU, Lu	TRANSMISSION AND RECEPTION IN
(87) US2013077188	QIN, Yi	WIRELESS COMMUNICATION SYSTEM
10.07.2014	(31) 201610293651	SUPPORTING SCALABLE FRAME
(22) 20.12.2013	(32) 05.05.2016	STRUCTURE
(54) BACKHAUL TRAFFIC RELIABILITY	(33) China	(73) Samsung Electronics Co., Ltd.
IN UNLICENSED BANDS USING	(51) H04L 5/00	(72) KIM, Youngbum
SPECTRUM SENSING AND CHANNEL	H04L 5/14	KIM, Younsun
RESERVATION	H04W 72/04	KWAK, Yongjun
(73) Qualcomm Incorporated	(11) EP3433964	(31) 20160061495
(72) WOLF, Guy	(21) EP17710855.2	(32) 19.05.2016
TOUBOUL, Assaf	(47) 12.08.2020	(33) Korea (Republic)
VAGNER, Shmuel	(87) EP2017055418	(51) H04L 5/00

H04L 27/26	United States of America	(47) 12.08.2020
H04W 72/04	United States of America	(87) US2010027126
(11) EP3493645	United States of America	16.09.2010
(21) EP16924009.0	United States of America	(22) 12.03.2010
(47) 12.08.2020	United States of America	(54) METHOD AND APPARATUS FOR
(87) CN2016110538	United States of America	MONITORING FOR A RADIO LINK
21.06.2018	United States of America	FAILURE
(22) 16.12.2016	(51) H04L 5/00	(73) InterDigital Patent Holdings, Inc.
(54) RESOURCE MAPPING METHOD AND	H04W 72/04	(72) MARINIER, Paul
COMMUNICATION DEVICE	(11) EP3376699	TERRY, Stephen, E.
(73) GUANGDONG OPPO MOBILE	(21) EP16861474.1	GAUVREAU, Jean-Louis
TELECOMMUNICATIONS CORP., LTD.	(47) 12.08.2020	SOMASUNDARAM, Shankar
(72) LIN, Yanan	(87) CN2016103430	WANG, Peter, S.
(51) H04L 5/00	11.05.2017	PELLETIER, Ghyslain
H04W 48/12	(22) 26.10.2016	RUDOLF, Marian
(11) EP3461181	(54) RESOURCE ALLOCATION METHOD	(31) 159649 P
(21) EP18190781.7	AND APPARATUS	218171 P
(47) 12.08.2020	(73) ZTE Corporation	248264 P
(22) 21.06.2012	(72) HAN, Xianghui	250773 P
(54) CELLULAR COMMUNICATION SYSTEM	XIA, Shuqiang	256687 P
SUPPORT FOR LIMITED BANDWIDTH	DAI, Bo	(32) 12.03.2009
COMMUNICATION DEVICES	DAI, Qian	18.06.2009
(73) Telefonaktiebolaget LM Ericsson (publ)	ZHANG, Wen	02.10.2009
(72) Wallén, Anders	SHI, Jing	12.10.2009
Lindoff, Bengt	(31) 201510739982	30.10.2009
Wilhelmsson, Leif	(32) 03.11.2015	(33) United States of America
Eriksson, Erik	(33) China	United States of America
Axmon, Joakim	(51) H04L 5/00	United States of America
(31) 201161501547 P	H04W 72/04	United States of America
201213398787	(11) EP3373677	United States of America
(32) 27.06.2011	(21) EP16862198.5	(51) H04L 5/14
16.02.2012	(47) 12.08.2020	H04W 16/14
(33) United States of America	(87) JP2016082804	H04W 28/02
United States of America	11.05.2017	H04W 52/24
(51) H04L 5/00	(22) 04.11.2016	H04W 72/08
H04W 52/36	(54) TERMINAL DEVICE, BASE STATION	H04W 84/12
(11) EP2502456	DEVICE, COMMUNICATION METHOD,	H04W 88/06
(21) EP10785272.5	AND INTEGRATED CIRCUIT	(11) EP3471480
(47) 12.08.2020	(73) Sharp Kabushiki Kaisha	(21) EP18207917.8
(87) US2010057445	(72) SUZUKI, Shoichi	(47) 12.08.2020
26.05.2011	AIBA, Tatsushi	(22) 27.01.2015
(22) 19.11.2010	YOKOMAKURA, Kazunari	(54) JOINT WLAN POWER AND RATE
(54) COMPONENT CARRIER ACTIVATION/	TAKAHASHI, Hiroki	CONTROL TO MITIGATE CO-LOCATED
DEACTIVATION IN MULTI-CARRIER	(31) 2015218218	LTE INTERFERENCE
SYSTEMS	(32) 06.11.2015	(73) BlackBerry Limited
(73) InterDigital Patent Holdings, Inc.	(33) Japan	(72) SMADI, Mohammed Nawaf
(72) PELLETIER, Ghyslain	(51) H04L 5/00	BADAWY, Ghada
MARINIER, Paul	H04W 74/08	(31) 201414166535
RUDOLF, Marian	(11) EP3379757	(32) 28.01.2014
TERRY, Stephen, E.	(21) EP16877740.7	(33) United States of America
OLESEN, Robert, L.	(47) 12.08.2020	(51) H04L 9/00
(31) 262810 P	(87) CN2016111370	H04L 9/08
293520 P	29.06.2017	(11) EP3503457
304149 P	(22) 21.12.2016	(21) EP17210225.3
307803 P	(54) METHOD, APPARATUS AND SYSTEM	(47) 12.08.2020
314446 P	FOR TRANSMITTING UPLINK DATA	(22) 22.12.2017
330150 P	FOR RETRANSMISSION	(54) METHOD AND DEVICE FOR
355756 P	(73) Huawei Technologies Co., Ltd.	RECOGNIZING BLINDING ATTACKS IN
373678 P	(72) SUN, Hao	A QUANTUM ENCRYPTED CHANNEL
(32) 19.11.2009	CHENG, Yan	(73) ID Quantique S.A.
08.01.2010	(31) 201510988666	(72) Bussières, Félix
12.02.2010	(32) 24.12.2015	Gras, Gaëtan
24.02.2010	(33) China	(51) H04L 9/00
16.03.2010	(51) H04L 5/06	H04L 9/08
30.04.2010	H04W 24/08	H04L 9/32
17.06.2010	H04W 76/19	(11) EP3590225
13.08.2010	(11) EP2407002	(21) EP18710738.8
(33) United States of America	(21) EP10710714.6	(47) 12.08.2020

(87) US2018020494 07.09.2018	(33) United States of America	(54) SENB KEY UPDATE METHOD AND DEVICE
(22) 01.03.2018	(51) H04L 9/08	(73) Huawei Technologies Co., Ltd.
(54) SYSTEM ACCESS USING A MOBILE DEVICE	H04L 9/32	(72) CHEN, Jing
(73) Apple Inc.	H04W 12/08	ZHANG, Lijia
(72) MATHIAS, Arun G.	(11) EP2873191	GUO, Jingjing
GALDO, Florian	(21) EP13804935.8	(51) H04L 9/32
LERCH, Matthias	(47) 12.08.2020	H04L 12/12
ABDULRAHIMAN, Najeeb M.	(87) FI2013050631	H04L 29/06
TACKIN, Onur E.	19.12.2013	H04L 29/08
SIERRA, Yannick	(22) 10.06.2013	H04W 12/06
(31) 201762465806 P	(54) MECHANISMS FOR CERTIFICATE REVOCATION STATUS VERIFICATION	H04W 88/02
201762471926 P	ON CONSTRAINED DEVICES	G06F 3/0484
201762565039 P	(73) Nokia Technologies Oy	G06F 9/455
(32) 01.03.2017	(72) KOSTIAINEN, Kari	(11) EP3005611
15.03.2017	ASOKAN, Nadarajah	(21) EP13885568.9
28.09.2017	(31) 201261660379 P	(47) 12.08.2020
(33) United States of America	(32) 15.06.2012	(87) US2013043457
United States of America	(33) United States of America	04.12.2014
United States of America	(51) H04L 9/08	(22) 30.05.2013
(51) H04L 9/06	H04L 29/06	(54) VIRTUAL MOBILE PHONE INTERFACE SYSTEM AND METHOD THEREOF
(11) EP2601613	G06F 21/34	(73) Ent. Services Development Corporation LP
(21) EP12768287.0	(11) EP3316163	(72) KASRAVI, Kas
(47) 12.08.2020	(21) EP16306428.0	PATEL, Farnauz R.
(87) CA2012050219	(47) 12.08.2020	PATEL, Sachin H.
11.10.2012	(22) 28.10.2016	(51) H04L 9/32
(22) 05.04.2012	(54) AUTHENTICATION SYSTEM	H04L 12/22
(54) EFFICIENT IMPLEMENTATION OF HASH ALGORITHM ON A PROCESSOR	(73) Hewlett-Packard Development Company, L.P.	H04L 29/02
(73) BlackBerry Limited	(72) SCHIFFMAN, Joshua Serratelli	H04L 29/06
(72) EBEID, Nevine Maurice Nassif	GREWAL, Gurchetan	H04L 12/801
LAMBERT, Robert John	BALACHEFF, Boris	H04L 12/813
(31) 201161472422 P	(51) H04L 9/08	H04L 12/815
(32) 06.04.2011	H04L 29/06	H04L 12/859
(33) United States of America	H04W 12/00	(11) EP2430796
(51) H04L 9/08	H04W 12/06	(21) EP09844740.2
H04L 9/32	H04W 84/18	(47) 12.08.2020
G06F 21/60	H04W 88/06	(87) US2009044564
(11) EP3576000	H04W 92/02	18.11.2010
(21) EP18175515.8	(11) EP2022282	(22) 19.05.2009
(47) 12.08.2020	(21) EP07797240.4	(54) NETWORK TRAFFIC RATE LIMITING SYSTEM AND METHOD
(22) 01.06.2018	(47) 12.08.2020	(73) Hewlett Packard Enterprise Development LP
(54) SYSTEM AND METHOD FOR PROVIDING AN AUTHORISED THIRD PARTY WITH OVERT LEDGER SECURED KEY ESCROW ACCESS TO A SECRET	(87) US2007066755	(72) SMITH, Michael, R.
(73) Tegeder, Roland	08.11.2007	HUMPHRESS, Sean, E.
(72) Tegeder, Roland	(22) 17.04.2007	VITALE, Dante
Sharp, Richard	(54) METHOD AND SYSTEM FOR PROVIDING CELLULAR ASSISTED SECURE COMMUNICATIONS OF A PLURALITY OF AD HOC DEVICES	(31) 464021
(51) H04L 9/08	(73) ARRIS Enterprises LLC	(32) 11.05.2009
H04L 9/32	Purdue University	(33) United States of America
H04L 29/06	(72) BONTA, Jeffrey, D.	(51) H04L 9/32
H04L 29/12	LACH, Hong-yon	H04L 29/06
(11) EP3257192	BHARGAVA, Bharat	H04W 8/20
(21) EP16749597.7	WU, Xiaoxin	H04W 12/00
(47) 12.08.2020	(31) 380809	H04W 12/04
(87) US2016015797	(32) 28.04.2006	H04W 12/06
18.08.2016	(33) United States of America	(11) EP3562184
(22) 29.01.2016	(51) H04L 9/08	(21) EP19181026.6
(54) SECURE AND DELEGATED DISTRIBUTION OF PRIVATE KEYS VIA DOMAIN NAME SERVICE	H04L 29/06	(47) 12.08.2020
(73) Valimail Inc.	H04W 12/04	(22) 12.04.2016
(72) GOLDSTEIN, Peter, Martin	(11) EP3361763	(54) TECHNIQUE FOR MANAGING PROFILE IN COMMUNICATION SYSTEM
(31) 201562116414 P	(21) EP15907033.3	(73) Samsung Electronics Co., Ltd.
(32) 14.02.2015	(47) 12.08.2020	(72) Park, Jong-Han
	(87) CN2015093530	Lee, Duc-Key
	04.05.2017	Lee, Sang-Soo
	(22) 31.10.2015	

Yeoum, Tae-Sun	13.04.2015	(72) UMEHARA, Naoki
Lee, Hye-Won	(33) India	ASAI, Takahiro
(31) 201562146622 P	United States of America	HINOHARA, Hiroshi
201562149732 P	(51) H04L 12/14	(31) 2014238740
201562158067 P	H04L 12/26	(32) 26.11.2014
201562212387 P	H04L 29/08	(33) Japan
(32) 13.04.2015	H04M 15/00	(51) H04L 12/24
20.04.2015	(11) EP3364599	H04L 29/06
07.05.2015	(21) EP17197684.8	H04L 12/70
31.08.2015	(47) 12.08.2020	G06F 16/28
(33) United States of America	(22) 24.04.2013	G06F 16/951
United States of America	(54) APPLICATION CHARGING METHOD	(11) EP3379772
United States of America	AND SYSTEM	(21) EP17756284.0
United States of America	(73) Huawei Technologies Co., Ltd.	(47) 12.08.2020
(51) H04L 9/32	(72) CHAI, Xiaoqian	(87) JP2017005180
H04L 29/06	(51) H04L 12/14	31.08.2017
H04W 12/02	H04L 29/06	(22) 13.02.2017
H04W 12/06	(11) EP2057779	(54) ANALYSIS METHOD, ANALYSIS
H04W 12/08	(21) EP07826162.5	DEVICE, AND ANALYSIS PROGRAM
H04W 12/12	(47) 12.08.2020	(73) Nippon Telegraph And Telephone
H04W 4/02	(87) IB2007053443	Corporation
(11) EP3259876	06.03.2008	(72) YAGI, Takeshi
(21) EP16752978.3	(22) 28.08.2007	CHIBA, Daiki
(47) 12.08.2020	(54) CHARGING CONTROL IN IP	(31) 2016033637
(87) US2016018267	MULTIMEDIA SUBSYSTEM	(32) 24.02.2016
25.08.2016	(73) Nokia Technologies Oy	(33) Japan
(22) 17.02.2016	(72) KOSKINEN, Juha-Pekka	(51) H04L 12/24
(54) TOKEN AND CRYPTOGRAM	NARHI, Anne	H04L 29/06
USING TRANSACTION SPECIFIC	VALLINEN, Juha R.	H04L 29/08
INFORMATION	SALMINEN, Mika K.	H04M 15/00
(73) Visa International Service Association	(31) 840944 P	H04W 4/18
(72) KINAGI, Veeresh	(32) 30.08.2006	H04W 12/00
(31) 201562117291 P	(33) United States of America	H04W 88/16
(32) 17.02.2015	(51) H04L 12/18	H04W 76/12
(33) United States of America	H04L 12/24	(11) EP2697990
(51) H04L 12/10	H04L 12/26	(21) EP12715363.3
H04Q 11/00	H04L 12/703	(47) 12.08.2020
(11) EP3054623	H04L 12/707	(87) EP2012056667
(21) EP14797638.5	H04L 12/711	18.10.2012
(47) 12.08.2020	H04L 12/741	(22) 12.04.2012
(87) CN2014079731	H04L 12/761	(54) PROVIDING INFORMATION TO A
20.11.2014	(11) EP3128703	CORE NETWORK RELATING TO A
(22) 12.06.2014	(21) EP15782518.3	CACHE IN AN ACCESS NETWORK
(54) OPTO-ELECTRIC HYBRID ACCESS	(47) 12.08.2020	(73) Telefonaktiebolaget LM Ericsson (publ)
DEVICE INITIALIZATION METHOD AND	(87) CN2015075785	(72) ERIKSSON, Hans
APPARATUS	29.10.2015	WESTBERG, Lars
(73) ZTE Corporation	(22) 02.04.2015	(31) 201161474447 P
(72) YUAN, Liquan	(54) PATH DETECTION METHOD,	201161562030 P
(31) 201310561811	DESTINATION NODE DEVICE AND	(32) 12.04.2011
(32) 12.11.2013	COMMUNICATION SYSTEM	21.11.2011
(33) China	(73) Huawei Technologies Co., Ltd.	(33) United States of America
(51) H04L 12/14	(72) LIU, Yisong	United States of America
H04L 12/24	YIN, Yuanbin	(51) H04L 12/24
H04M 15/00	(31) 201410175190	H04L 29/06
(11) EP2940927	(32) 25.04.2014	H04L 29/08
(21) EP15165184.1	(33) China	H04W 4/08
(47) 12.08.2020	(51) H04L 12/18	H04W 4/10
(22) 27.04.2015	H04L 29/08	G06F 9/455
(54) SYSTEM AND METHOD FOR	H04M 3/56	(11) EP3245596
MANAGING ONLINE CHARGING	H04N 7/15	(21) EP16737894.2
SESSIONS	(11) EP3029933	(47) 12.08.2020
(73) Sandvine Corporation	(21) EP15196570.4	(87) US2016013443
(72) Lifshitz, Yuval	(47) 12.08.2020	21.07.2016
Zaghloul, Said	(22) 26.11.2015	(22) 14.01.2016
Sharma, Chandan Kumar	(54) APPARATUS, SYSTEM, AND METHOD	(54) SYSTEM AND METHOD FOR ELASTIC
(31) 1165DE2014	OF CONTROLLING SESSION, AND	SCALING USING A CONTAINER-
201514684484	CARRIER MEANS	BASED PLATFORM
(32) 30.04.2014	(73) Ricoh Company, Ltd.	(73) Kodiak Networks, Inc.

(72) PATEL, Krishnakant M. KANDULA, Ramu VEMPATI, Brahmananda R.	G06F 8/656 G06F 9/445 (11) EP3528114	05.07.2018 (22) 28.12.2016 (54) NETWORK PERFORMANCE
NEGALAGULI, Harisha Mahabaleshwara CHANDANA, Pratap	(21) EP18248007.9 (47) 12.08.2020	DETECTION METHOD AND APPARATUS
(31) 201562103404 P 201562111414 P 201614994757	(22) 18.02.2015 (54) UPGRADING OF A MOBILE NETWORK FUNCTION	(73) Huawei Technologies Co., Ltd. (72) ZHANG, Lvchuan CAI, Hongjian
(32) 14.01.2015 03.02.2015 13.01.2016	(73) Huawei Technologies Co., Ltd. (72) NI, Shaoji TAM, Francis Pak Kwan	LIU, Xinchao WANG, Yufei
(33) United States of America United States of America United States of America	(51) H04L 12/24 H04L 29/12 H04L 12/701	(51) H04L 12/26 H04L 29/06 (11) EP2255494 (21) EP10716937.7
(51) H04L 12/24 H04L 29/06 H04W 12/00 H04W 12/08 H04W 4/00	H04L 12/741 (11) EP2928118 (21) EP15160676.1 (47) 12.08.2020 (22) 24.03.2015	(47) 12.08.2020 (87) US2010030607 10.09.2010 (22) 09.04.2010 (54) SYSTEM AND METHOD FOR
(11) EP3217624 (21) EP17158473.3 (47) 12.08.2020 (22) 28.02.2017	(54) SYSTEM AND METHOD FOR DYNAMIC NAME CONFIGURATION IN CONTENT- CENTRIC NETWORKS	EXPORTING STRUCTURED DATA IN A NETWORK MANAGEMENT ENVIRONMENT
(54) INFORMATION PROCESSING METHOD, PROGRAM, INFORMATION PROCESSING APPARATUS, AND SYSTEM	(73) Cisco Technology, Inc. (72) MAHADEVAN, Priya SCOTT, Glenn C.	(73) Cisco Technology, Inc. (72) AITKEN, Paul, J. CLAISE, Benoit
(73) Fujitsu Limited (72) YASAKI, Koichi NIMURA, Kazuaki ITO, Hidenobu SAKAMOTO, Takuya NAKAMURA, Yosuke KANI, Junya	(31) 201414242744 (32) 01.04.2014 (33) United States of America (51) H04L 12/24 H04W 24/04 H04W 88/16 H04W 4/70	DHANDAPANI, Gowri JIN, Zhipu VARADHARAJAN, Nagaraj YATES, Stanford, L.
(31) 2016044240 (32) 08.03.2016 (33) Japan	(21) EP17768181.4 (47) 12.08.2020 (87) FR2017052275 08.03.2018	(31) 157336 P 465707 (32) 04.03.2009 14.05.2009 (33) United States of America United States of America
(51) H04L 12/24 H04L 29/08 G06F 16/23	(22) 24.08.2017 (54) METHOD FOR CONTROLLING THE LOAD OF A DATA CONCENTRATION GATEWAY FOR A WIRELESS COMMUNICATION NETWORK	(51) H04L 12/26 H04L 29/08 H04L 29/12 H04L 12/721 G06F 16/957
(11) EP3398044 (21) EP16882482.9 (47) 12.08.2020 (87) US2016068618 06.07.2017	(73) Kerlink (72) DUBOURG, Ronan DELIBIE, Yannick	(11) EP2834960 (21) EP14728807.0 (47) 12.08.2020 (87) US2014041244 11.12.2014
(22) 26.12.2016 (54) SYSTEM AND METHOD FOR ACQUIRING, PROCESSING AND UPDATING GLOBAL INFORMATION	(31) 1658015 (32) 29.08.2016 (33) France (51) H04L 12/26 (11) EP1735950 (21) EP05725018.5	(22) 06.06.2014 (54) DOMAIN NAME SYSTEM BYPASS IN USER APPLICATIONS (73) Fastly Inc. (72) BERGMAN, Artur WISTOW, Simon MCMULLEN, Tyler
(73) Alibaba Group Holding Limited (72) ZHU, Yunfeng LU, Yijun LI, Yanchao LEI, Jibin TAO, Yunfeng TANG, Zhiyang YU, Jun FENG, Jia GUO, Dongbai	(87) US2005007614 03.11.2005 (22) 07.03.2005 (54) LINE-LEVEL PATH PROTECTION IN THE OPTICAL LAYER	(31) 201361832604 P (32) 07.06.2013 (33) United States of America (51) H04L 12/26 H04L 29/08 H04W 8/24 H04W 48/12 H04W 52/02 H04W 72/12 H04W 84/22
(31) 201511017784 201615390479 (32) 29.12.2015 24.12.2016	(73) Cisco Technology, Inc. (72) GERSTEL, Ornan (31) 809987 (32) 26.03.2004 (33) United States of America (51) H04L 12/26 H04L 12/703	(11) EP2510714 (21) EP10835541.3 (47) 12.08.2020 (87) FI2010050838 16.06.2011 (22) 25.10.2010
(33) China United States of America	(11) EP3474499 (21) EP16925546.0 (47) 12.08.2020 (87) CN2016112734	
(51) H04L 12/24 H04L 29/08 H04L 12/725		

(54) DATA-RELATED TASK SUPPORT IN WIRELESS COMMUNICATION SYSTEMS	HAN, Seong Joo (31) 20140090897 (32) 18.07.2014	(32) 14.08.2009 (33) Germany
(73) Nokia Technologies Oy	(33) Korea (Republic)	(51) H04L 12/58
(72) KASSLIN, Mika VIRTANEN, Sami LEPPÄNEN, Kari RANTALA, Enrico TIRRONEN, Mikko TURUNEN, Markku	(51) H04L 12/28 H04W 12/08 (11) EP2728802 (21) EP12191125.9 (47) 12.08.2020 (22) 02.11.2012 (54) METHOD AND SYSTEM FOR NETWORK AND SERVICE CONTROLLED HYBRID ACCESS	(11) EP3133779 (21) EP16166813.2 (47) 12.08.2020 (22) 25.04.2016 (54) METHOD, TERMINAL DEVICE, COMPUTER PROGRAM AND RECORDING MEDIUM FOR PLAYING GAME IN CHATTING INTERFACE
(31) 635400 (32) 10.12.2009 (33) United States of America	(54) METHOD AND SYSTEM FOR NETWORK AND SERVICE CONTROLLED HYBRID ACCESS	(73) Xiaomi Inc. (72) LUO, Jixi LIN, Jinbin SHI, Xiaojian
(51) H04L 12/26 H04M 1/725 H04M 1/73 H04W 52/02 H04W 68/00 H04W 4/80	(73) Deutsche Telekom AG (72) Kadel, Gerhard Kraus, Josef Belschner, Jakob	(31) 201510512500 (32) 19.08.2015 (33) China
(11) EP3391634 (21) EP17753470.8 (47) 12.08.2020 (87) KR2017001654 24.08.2017 (22) 15.02.2017	(51) H04L 12/28 H04W 48/18 (11) EP3378197 (21) EP16872360.9 (47) 12.08.2020 (87) CN2016108572 15.06.2017 (22) 05.12.2016	(51) H04L 12/58 (11) EP3430772 (21) EP17713460.8 (47) 12.08.2020 (87) IB2017051548 21.09.2017 (22) 16.03.2017
(54) ELECTRONIC DEVICE AND METHOD FOR CONTROLLING APPLICATION AND COMPONENT	(54) METHOD AND SYSTEM FOR PERFORMING NETWORK SLICING IN A RADIO ACCESS NETWORK	(54) MESSAGE TRANSFER SYSTEM, METHOD OF TRANSFERRING MESSAGES AND SOFTWARE PRODUCT
(73) Samsung Electronics Co., Ltd. (72) KIM, Byungwook BANG, Sungyong KIM, Mooyoung	(73) Huawei Technologies Co., Ltd. (72) ZHU, Peiyong MA, Jianglei TONG, Wen	(73) Webtext Holdings Limited (72) CAHILL, Anthony KEATING, Colm SLYNE, Frank KELLY, Hugh
(31) 20160019659 (32) 19.02.2016 (33) Korea (Republic)	(31) 201562264629 P 201615356124 (32) 08.12.2015 18.11.2016 (33) United States of America United States of America	(31) 201615072440 (32) 17.03.2016 (33) United States of America
(51) H04L 12/28 (11) EP3360294 (21) EP16794452.9 (47) 12.08.2020 (87) US2016055347 13.04.2017 (22) 04.10.2016	(32) 08.12.2015 18.11.2016 (33) United States of America United States of America	(51) H04L 12/58 H04L 29/06 H04L 29/08 H04M 7/00 (11) EP2763369 (21) EP12835208.5 (47) 12.08.2020 (87) CN2012077160 04.04.2013 (22) 19.06.2012
(54) HOME AUTOMATION SYSTEM DEVICE POWER OPTIMIZATION	(51) H04L 12/28 H04W 72/04 H04W 84/18 (11) EP2422491 (21) EP10767331.1 (47) 12.08.2020 (87) KR2010002570 28.10.2010 (22) 23.04.2010	(54) METHOD AND SYSTEM FOR TELECOM NETWORK PROVIDING SESSION SERVICE TO INTERNET
(73) Savant Systems LLC (72) SILVA, Michael C. DRUMMOND, Erick W. CIPOLLO, Nicholas J.	(54) APPARATUS AND METHOD FOR OPERATING PICONETS IN BODY AREA NETWORKS	(73) ZTE Corporation (72) GAO, Yang MU, Lingjiang
(31) 201514875327 (32) 05.10.2015 (33) United States of America	(73) Samsung Electronics Co., Ltd. (72) RAJAGOPAL, Sridhar KHAN, Farooq	(31) 201110291064 (32) 29.09.2011 (33) China
(51) H04L 12/28 G06Q 10/00 G06Q 50/10 D06F 33/00	(31) 214420 P 688604 (32) 23.04.2009 15.01.2010 (33) United States of America United States of America	(51) H04L 12/58 H04L 29/06 H04L 29/08 H04W 4/14 H04W 4/18 (11) EP3298731 (21) EP16724976.2 (47) 12.08.2020 (87) IB2016052957 24.11.2016 (22) 19.05.2016
(11) EP3170134 (21) EP15822850.2 (47) 12.08.2020 (87) KR2015003811 21.01.2016 (22) 16.04.2015	(51) H04L 12/58 (11) EP2288094 (21) EP10161419.6 (47) 12.08.2020 (22) 29.04.2010 (54) Method for transmitting a message (73) Deutsche Post AG (72) Ulrich, Keith (31) 102009037296	
(54) HOME APPLIANCE AND CONTROL METHOD FOR THE SAME	(54) METHOD FOR TRANSMITTING A MESSAGE	
(73) Samsung Electronics Co., Ltd. (72) YANG, Hee Kyung KANG, Seong Yong KIM, Se Il JANG, Ji Hye	(73) Deutsche Post AG (72) Ulrich, Keith (31) 102009037296	

(54) METHODS AND ENTITIES FOR REPORTING MESSAGE DISPOSITION IN A COMMUNICATION NETWORK	H04L 12/753 (11) EP3319279 (21) EP16817256.7	(54) WIRELESS COMMUNICATION USER TERMINAL
(73) Telefonaktiebolaget LM Ericsson (publ)	(47) 12.08.2020	(73) BlackBerry Limited
(72) BADULESCU, Cristina	(87) CN2016087829	(72) Hudson, John
SURDILA, Sorin	05.01.2017	(31) 419211
GREENE, Nancy M.	(22) 30.06.2016	(32) 15.10.1999
(31) 201562163797 P	(54) IP ROUTING LOOKUP	(33) United States of America
(32) 19.05.2015	(73) New H3C Technologies Co., Ltd.	<hr/>
(33) United States of America	(72) REN, Kai	(51) H04L 27/26
<hr/>	GE, Changzhong	(11) EP2800324
(51) H04L 12/703	AN, Shaoliang	(21) EP14161310.9
H04L 12/707	(31) 201510385002	(47) 12.08.2020
H04L 12/721	(32) 30.06.2015	(22) 24.03.2014
H04L 12/723	(33) China	(54) Method to increase signal-to-noise ratio of a cyclic-prefix orthogonal frequency-division multiplex signal
H04L 12/735	<hr/>	(73) Aptiv Technologies Limited
H04L 12/751	(51) H04L 25/02	(72) Walker, Glenn A.
H04L 12/753	(11) EP2264921	(31) 201313874506
(11) EP3493491	(21) EP09729961.4	(32) 01.05.2013
(21) EP17833358.9	(47) 12.08.2020	(33) United States of America
(47) 12.08.2020	(87) JP2009001657	<hr/>
(87) CN2017089179	15.10.2009	(51) H04L 27/26
01.02.2018	(22) 09.04.2009	(11) EP3226502
(22) 20.06.2017	(54) RECEIVING APPARATUS, RECEIVING METHOD, INTEGRATED CIRCUIT, DIGITAL TELEVISION RECEIVER, AND PROGRAM	(21) EP16163580.0
(54) PACKET FORWARDING METHOD AND DEVICE	(73) Panasonic Intellectual Property Management Co., Ltd.	(47) 12.08.2020
(73) ZTE Corporation	(72) KIMURA, Tomohiro	(22) 01.04.2016
(72) PENG, Shaofu	RASHID, Mahbub	(54) SIGNAL PROCESSING CIRCUITS
WANG, Huilai	(31) 2008102274	(73) NXP B.V.
SUN, Jinsong	(32) 10.04.2008	(72) Engin, Nur
(31) 201610601852	(33) Japan	Cuenin, Audrey Christine Andrée
(32) 27.07.2016	<hr/>	<hr/>
(33) China	(51) H04L 25/03	(51) H04L 27/26
<hr/>	(11) EP3406060	(11) EP3407556
(51) H04L 12/721	(21) EP16890963.8	(21) EP18167522.4
H04L 12/775	(47) 12.08.2020	(47) 12.08.2020
(11) EP2932669	(87) CN2016074324	(22) 28.03.2013
(21) EP13818090.6	31.08.2017	(54) SIGNALING OF SEQUENCE GENERATOR INITIALIZATION PARAMETERS FOR UPLINK REFERENCE SIGNAL GENERATION
(47) 12.08.2020	(22) 23.02.2016	(73) Telefonaktiebolaget LM Ericsson (publ)
(87) US2013075175	(54) FFE-AIDED CDR TO CALIBRATE PHASE OFFSET AND ENHANCE GAIN IN A BAUD RATE SAMPLING PHASE DETECTOR	(72) SORRENTINO, Stefano
19.06.2014	(73) Huawei Technologies Co., Ltd.	LINDQVIST, Fredrik
(22) 13.12.2013	(72) LU, Yuchun	(31) 201261616866 P
(54) DIRECT NETWORK HAVING PLURAL DISTRIBUTED CONNECTIONS TO EACH RESOURCE	WONG, Henry	201213468855
(73) Microsoft Technology Licensing, LLC	TONIETTO, Davide	(32) 28.03.2012
(72) HARPER, David T.	<hr/>	10.05.2012
PETERSON, Eric C.	(51) H04L 25/03	(33) United States of America
SANTANIELLO, Mark A.	(11) EP3442184	United States of America
(31) 201213712995	(21) EP18196100.4	<hr/>
(32) 13.12.2012	(47) 12.08.2020	(51) H04L 27/26
(33) United States of America	(22) 13.12.2007	H04W 84/18
<hr/>	(54) SIGNAL DECODING IN MIMO COMMUNICATION SYSTEMS	(11) EP3393199
(51) H04L 12/723	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(21) EP16880323.7
H04L 12/741	(72) HEN, Ilan	(47) 12.08.2020
H04L 12/751	(31) 618671	(87) CN2016076404
(11) EP3301868	(32) 29.12.2006	06.07.2017
(21) EP16204539.7	(33) United States of America	(22) 15.03.2016
(47) 12.08.2020	<hr/>	(54) DATA TRANSMISSION METHOD AND USER EQUIPMENT
(22) 15.12.2016	(51) H04L 25/14	(73) Huawei Technologies Co., Ltd.
(54) SYMMETRIC INTERSUBNET TRAFFIC LOAD BALANCING IN MULTIHOMED NETWORKS	H04L 29/06	(72) TIE, Xiaolei
(73) Juniper Networks, Inc.	(11) EP2290889	YANG, Yubo
(72) BICKHART, Ryan	(21) EP10182484.5	WU, Gengshi
(31) 201615278670	(47) 12.08.2020	WU, Yiling
(32) 28.09.2016	(22) 16.10.2000	(31) PCT/CN2015/100357
(33) United States of America		(32) 31.12.2015
<hr/>		(33) World Intellectual Property Office (WIPO)
(51) H04L 12/741		<hr/>
H04L 12/745		(51) H04L 29/06
H04L 12/749		(11) EP2991310

(21) EP15182322.6	(72) WU, Jianbang	(54) INFORMATION PROCESSING
(47) 12.08.2020	YUAN, Peng	METHOD AND DEVICE
(22) 25.08.2015	(31) 201510628762	(73) ZTE Corporation
(54) INCREASED COMMUNICATION	(32) 28.09.2015	(72) HAO, Zhijian
SECURITY	(33) China	ZHU, Yu
(73) Idaax Technologies Private Limited	(51) H04L 29/06	(31) 201510423637
(72) Sharma, Vishnu	(11) EP3275157	(32) 17.07.2015
(31) 201414470896	(21) EP16769436.3	(33) China
201414470906	(47) 12.08.2020	
201414470914	(87) US2016023225	(51) H04L 29/06
201414470917	29.09.2016	G06F 21/53
(32) 27.08.2014	(22) 18.03.2016	G06F 21/56
27.08.2014	(54) BI-DIRECTIONAL DATA SECURITY	(11) EP2985716
27.08.2014	FOR SUPERVISOR CONTROL AND	(21) EP14801488.9
27.08.2014	DATA ACQUISITION NETWORKS	(47) 12.08.2020
(33) United States of America	(73) Sierra Nevada Corporation	(87) JP2014058692
United States of America	(72) FISCHER, Peter	27.11.2014
United States of America	FELDKAMP, Andrew	(22) 26.03.2014
United States of America	RODRIGUEZ, Nelson	(54) INFORMATION PROCESSING DEVICE
	EDWARDS, Joshua	AND IDENTIFYING METHOD
(51) H04L 29/06	(31) 201514668602	(73) Nippon Telegraph and Telephone
(11) EP2991311	(32) 25.03.2015	Corporation
(21) EP15182345.7	(33) United States of America	(72) IWAMURA, Makoto
(47) 12.08.2020		KAWAKOYA, Yuhei
(22) 25.08.2015	(51) H04L 29/06	HARIU, Takeo
(54) INCREASED COMMUNICATION	G06F 21/10	(31) 2013106088
SECURITY	G06F 21/31	(32) 20.05.2013
(73) Idaax Technologies Private Limited	G06F 21/60	(33) Japan
(72) SHARMA, Vishnu	G06F 21/62	
(31) 201414470896	G06F 16/11	(51) H04L 29/06
201414470906	(11) EP3356964	H04L 29/08
201414470914	(21) EP16852450.2	(11) EP3507958
201414470917	(47) 12.08.2020	(21) EP16769860.4
(32) 27.08.2014	(87) US2016054107	(47) 12.08.2020
27.08.2014	06.04.2017	(87) EP2016001491
27.08.2014	(22) 28.09.2016	08.03.2018
27.08.2014	(54) POLICY ENFORCEMENT SYSTEM	(22) 03.09.2016
(33) United States of America	(73) Microsoft Technology Licensing, LLC	(54) METHOD FOR STREAMING AND
United States of America	(72) ARUMUGAM, Dilli Dorai Minnai	REPRODUCING APPLICATIONS VIA A
United States of America	MUJUMDAR, Prasad	PARTICULAR TELECOMMUNICATIONS
United States of America	(31) 201514868265	SYSTEM AND USE
	(32) 28.09.2015	(73) Gorillabox GmbH
(51) H04L 29/06	(33) United States of America	(72) PETER, Frederik
(11) EP3097745		KHALIL, Sheikh
(21) EP15737394.5	(51) H04L 29/06	WESTERMANN, Remco
(47) 12.08.2020	G06F 21/33	
(87) KR2015000519	G06F 21/62	(51) H04L 29/06
23.07.2015	(11) EP3387575	H04L 29/08
(22) 19.01.2015	(21) EP16873927.4	(11) EP3350976
(54) METHOD AND APPARATUS	(47) 12.08.2020	(21) EP16763610.9
SUPPORTING IP MULTIMEDIA	(87) US2016065853	(47) 12.08.2020
SUBSYSTEM	15.06.2017	(87) US2016046099
(73) Samsung Electronics Co., Ltd.	(22) 09.12.2016	23.03.2017
(72) YEOUM, Taesun	(54) POLICY ENFORCEMENT FOR	(22) 09.08.2016
LIM, Hanna	COMPUTE NODES	(54) SYNCHRONIZING FILE DATA
HWANG, Sunmin	(73) Microsoft Technology Licensing, LLC	BETWEEN COMPUTER SYSTEMS
(31) 20140006803	(72) ARUMUGAM, Dilli Dorai Minnal	(73) Microsoft Technology Licensing, LLC
(32) 20.01.2014	MUJUMDAR, Prasad	(72) TRANDAFIR, Marian
(33) Korea (Republic)	(31) 201514965055	SHAY, Jason Daniel
	(32) 10.12.2015	ZHEGLOV, Ivelin Lyubenov
(51) H04L 29/06	(33) United States of America	(31) 201562219114 P
(11) EP3337135		201615088307
(21) EP16850315.9	(51) H04L 29/06	(32) 15.09.2015
(47) 12.08.2020	G06F 21/45	01.04.2016
(87) CN2016100137	(11) EP3328013	(33) United States of America
06.04.2017	(21) EP15898768.5	United States of America
(22) 26.09.2016	(47) 12.08.2020	
(54) ACCELERATION MANAGEMENT	(87) CN2015091732	(51) H04L 29/06
NODE, ACCELERATION NODE,	26.01.2017	H04L 29/08
CLIENT, AND METHOD	(22) 12.10.2015	G06Q 10/10
(73) Huawei Technologies Co., Ltd.		H04W 4/21
		(11) EP3238471



(21) EP15830837.9	H04W 4/02	(51) H04L 29/06
(47) 12.08.2020	H04W 4/40	H04W 12/00
(87) IB2015002552	H04W 4/80	H04W 12/08
30.06.2016	(11) EP3314918	H04W 84/18
(22) 18.12.2015	(21) EP15828901.7	H04W 76/11
(54) A METHOD FOR CONTROLLING	(47) 12.08.2020	(11) EP2950511
THE SHARING OF AT LEAST ONE	(87) US2015000358	(21) EP13872508.0
ELECTRONIC CONTENT BETWEEN	29.12.2016	(47) 12.08.2020
A FIRST USER EQUIPMENT AND AT	(22) 24.12.2015	(87) JP2013079966
LEAST A SECOND USER EQUIPMENT	(54) ENHANCED SUPPORT VEHICLE-TO-	31.07.2014
(73) ORANGE	ANYTHING (V2X) COMMUNICATION	(22) 06.11.2013
(72) ZEMEK, Radim	(73) Intel IP Corporation	(54) WIRELESS COMMUNICATION DEVICE,
NAKANO, Asako	(72) PINHEIRO, Ana Lucia	COMMUNICATION SYSTEM, METHOD
(31) 14307177	CAVALCANTI, Dave	FOR CONTROLLING WIRELESS
(32) 23.12.2014	KEDALAGUDDI, Meghashree Dattatri	COMMUNICATION DEVICE, AND
(33) European Patent Office (EPO)	(31) 201562183936 P	PROGRAM
(51) H04L 29/06	(32) 24.06.2015	(73) Sony Corporation
H04L 29/08	(33) United States of America	(72) SAKODA, Kazuyuki
H04L 29/12	(51) H04L 29/06	KUNIHICO, Takushi
G06F 21/56	H04W 8/00	SAKO, Yoichiro
(11) EP3507964	H04W 12/06	ONO, Kouichirou
(21) EP17847650.3	H04W 84/18	AKAGI, Makoto
(47) 12.08.2020	(11) EP3284310	ISHIDA, Katsuhito
(87) US2017049949	(21) EP15816153.9	TAKEHARA, Mitsuru
08.03.2018	(47) 12.08.2020	SUZUKI, Kento
(22) 01.09.2017	(87) EP2015080499	(31) 2013013561
(54) MALWARE DETECTION FOR PROXY	20.10.2016	(32) 28.01.2013
SERVER NETWORKS	(22) 18.12.2015	(33) Japan
(73) IBOSS, Inc.	(54) METHOD AND APPARATUS FOR END	(51) H04L 29/06
(72) MARTINI, Paul Michael	DEVICE DISCOVERING ANOTHER	H04W 12/04
(31) 201615256418	END DEVICE	H04W 12/06
(32) 02.09.2016	(73) Telefonaktiebolaget LM Ericsson (publ)	H04W 48/16
(33) United States of America	(72) WIFVESSON, Monica	H04W 84/04
(51) H04L 29/06	LEHTOVRTA, Vesa	H04W 84/12
H04L 29/08	PFEFFER, Katharina	(11) EP3328106
H04W 12/00	TORVINEN, Vesa	(21) EP15900857.2
H04W 12/10	(31) 201562146613 P	(47) 12.08.2020
H04W 4/50	(32) 13.04.2015	(87) CN2015090766
(11) EP3537740	(33) United States of America	16.02.2017
(21) EP19151610.3	(51) H04L 29/06	(22) 25.09.2015
(47) 12.08.2020	H04W 8/26	(54) ACCESS VERIFICATION METHOD AND
(22) 14.01.2019	H04W 28/02	APPARATUS
(54) HASH BASED DEVICE	H04W 36/08	(73) Huawei Technologies Co., Ltd.
CONFIGURATION MANAGEMENT	H04W 40/02	(72) SHI, Xiaoli
(73) Accenture Global Solutions Limited	H04W 60/00	LUO, Haiyan
(72) COOPER, Christopher R.	H04W 80/04	(31) PCT/CN2015/086637
(31) 201815913049	H04W 80/06	(32) 11.08.2015
(32) 06.03.2018	H04L 12/725	(33) World Intellectual Property Office (WIPO)
(33) United States of America	H04W 4/70	(51) H04L 29/06
(51) H04L 29/06	H04W 76/12	H04W 12/08
H04M 3/42	(11) EP3329714	H04W 12/12
G06F 21/31	(21) EP15900603.0	H04W 24/00
(11) EP2842299	(47) 12.08.2020	G06F 21/57
(21) EP13725527.9	(87) US2015058724	H04W 4/02
(47) 12.08.2020	09.02.2017	(11) EP2769571
(87) US2013041482	(22) 03.11.2015	(21) EP12842308.4
05.12.2013	(54) DEVICE AND METHOD USING NON IP-	(47) 12.08.2020
(22) 17.05.2013	BASED EPS BEARER	(87) US2012060466
(54) USER VERIFICATION FOR ALTERING	(73) Intel Corporation	25.04.2013
A CALLER LINE IDENTIFICATION	(72) ZHU, Jing	(22) 16.10.2012
(73) Microsoft Technology Licensing, LLC	JHA, Satish Chandra	(54) MOBILE RISK ASSESSMENT
(72) PETRACK, Scott	VANNITHAMBY, Rath	(73) McAfee, LLC
MALEGAONKAR, Rahul	RASHID, Mohammad Mamunur	(72) BASAVAPATNA, Prasanna Ganapathi
(31) 201213482587	GUPTA, Maruti	GADDALA, Satish Kumar
(32) 29.05.2012	SIVANESAN, Kathiravetpillai	SCHRECKER, Sven
(33) United States of America	(31) 201562199553 P	GOLDSCHLAG, David Moshe
(51) H04L 29/06	(32) 31.07.2015	(31) 201161548194 P
H04W 4/00	(33) United States of America	201161548224 P

201113339194	(73) Samsung Electronics Co., Ltd.	(47) 12.08.2020
(32) 17.10.2011	(72) Kim, Kwang-min	(87) US2016050969
18.10.2011	Koo, Min-soo	16.03.2017
28.12.2011	Nam, Ji-in	(22) 09.09.2016
(33) United States of America	Park, Young-hee	(54) SYSTEM, METHOD AND COMPUTER-
United States of America	Park, Won-joo	READABLE STORAGE MEDIUM FOR
United States of America	Shim, Hyun-sik	CUSTOMIZABLE EVENT-TRIGGERED
(51) H04L 29/06	Yoon, Seung-hyun	COMPUTATION AT EDGE LOCATIONS
H04W 12/08	Lee, Moon-sang	(73) Amazon Technologies, Inc.
H04W 48/04	Lee, Jong-chang	(72) RADHAKRISHNAN, Manigandan
H04W 4/33	(31) 20110037351	ZAKHARENKO, Oleksii
(11) EP2721871	(32) 21.04.2011	HOWARD, Craig, Wesley
(21) EP12799757.5	(33) Korea (Republic)	VIJAYARAGHAVAN, Venkatesh
(47) 12.08.2020	(51) H04L 29/08	KATIYAR, Shubham
(87) US2012042683	(11) EP3164985	(31) 201514852256
20.12.2012	(21) EP16830919.3	201514852272
(22) 15.06.2012	(47) 12.08.2020	(32) 11.09.2015
(54) SYSTEM AND METHOD FOR	(87) SE2016050259	11.09.2015
ACCESSING A STRUCTURE USING	02.02.2017	(33) United States of America
DIRECTIONAL ANTENNAS AND A	(22) 29.03.2016	United States of America
WIRELESS TOKEN	(54) SERVER, CLIENT DEVICE AND	(51) H04L 29/08
(73) Yikes, LLC	METHODS THEREIN FOR HANDLING	H04L 29/12
(72) MCINTYRE, Jim, E.	CACHED CONTENT RESSOURCES	G06F 16/27
ROBERTSON, Andrew, Joseph	(73) Telefonaktiebolaget LM Ericsson (publ)	(11) EP2685679
ROBERTSON, William, Benjamin	(72) HÅKANSSON, Stefan	(21) EP11744262.4
(31) 201161498169 P	HOLMBERG, Christer	(47) 12.08.2020
(32) 17.06.2011	LINDSTRÖM, Daniel	(87) CN2011072565
(33) United States of America	BERGKVIST, Adam	25.08.2011
(51) H04L 29/06	(51) H04L 29/08	(22) 09.04.2011
H04W 36/00	(11) EP3400534	(54) METHOD, DEVICE AND SYSTEM
H04W 36/14	(21) EP16884169.0	FOR SYNCHRONIZING CONTACT
H04W 80/10	(47) 12.08.2020	INFORMATION
(11) EP3024274	(87) US2016066703	(73) Huawei Technologies Co., Ltd.
(21) EP16000010.5	13.07.2017	(72) WANG, Hao
(47) 12.08.2020	(22) 14.12.2016	(51) H04L 29/08
(22) 16.06.2008	(54) CONNECTION MANAGEMENT OF	H04R 25/00
(54) SESSION TRANSFER METHOD AND	SMART DEVICES WITH AUTOMOBILE	H04W 4/00
METHOD FOR SUPPORTING SESSION	HEAD UNIT	H04W 4/70
CONTINUITY	(73) Xevo Inc.	H04W 4/80
(73) LG Electronics, Inc.	(72) YAMAMOTO, Shin	(11) EP3530008
(72) SONG, Jae-Seung	(31) 201614988348	(21) EP16784494.3
KIM, Hyun-Sook	(32) 05.01.2016	(47) 12.08.2020
(31) 951902 P	(33) United States of America	(87) EP2016075208
20080011365	(51) H04L 29/08	26.04.2018
(32) 25.07.2007	(11) EP3550801	(22) 20.10.2016
04.02.2008	(21) EP17915576.7	(54) WIRELESS HEARING DEVICE
(33) United States of America	(47) 12.08.2020	COMPRISING SPLIT PAIRING TABLES
Korea (Republic)	(87) CN2017118008	(73) Sonova AG
(51) H04L 29/08	03.01.2019	(72) DICKMANN, Georg
(11) EP2686784	(22) 22.12.2017	LUCAS-HIRTZ, Daniel
(21) EP11716601.7	(54) METHOD AND DEVICE FOR	(51) H04L 29/08
(47) 12.08.2020	PROVIDING VOICE SERVICE, AND	H04W 48/02
(87) FI2011050219	SERVER	H04W 48/16
20.09.2012	(73) Baidu Online Network Technology	(11) EP3310100
(22) 15.03.2011	(Beijing) Co., Ltd	(21) EP15901492.7
(54) METHOD AND APPARATUS FOR	(72) LUO, Xing	(47) 12.08.2020
INITIATING RADIO CONNECTIONS	SHEN, Guanghao	(87) CN2015087580
(73) Nokia Technologies Oy	WANG, Peng	23.02.2017
(72) VEIKKOLAINEN, Simo Pekka	XUE, Juntao	(22) 20.08.2015
ISOMÄKI, Markus	WANG, Jidong	(54) WIRELESS COMMUNICATIONS
CHEMMAGATE, Binoy	YANG, Sijie	ACCESS METHOD AND
(51) H04L 29/08	(31) 201710525724	COMMUNICATIONS APPARATUS
(11) EP2515505	(32) 30.06.2017	(73) Huawei Technologies Co., Ltd.
(21) EP12162473.8	(33) China	(72) DUAN, Xiaoyan
(47) 12.08.2020	(51) H04L 29/08	JIN, Hui
(22) 30.03.2012	G06F 9/455	(51) H04L 29/12
(54) METHOD AND APPARATUS FOR	(11) EP3348042	(11) EP2792126
CONNECTING DEVICES	(21) EP16767484.5	(21) EP12799212.1

(47) 12.08.2020	(32) 20.10.2015	(51) H04M 3/22
(87) EP2012075351	(33) China	H04M 3/42
20.06.2013	(51) H04M 1/60	H04M 3/56
(22) 13.12.2012	H04M 1/725	(11) EP3311558
(54) VIRTUAL INTERFACE APPLICATIONS	H04R 1/10	(21) EP16732171.0
(73) Koninklijke KPN N.V.	(11) EP3562130	(47) 12.08.2020
Nederlandse Organisatie voor toegepast- natuurwetenschappelijk onderzoek TNO	(21) EP19162123.4	(87) US2016037524
(72) STOKKING, Hans Maarten	(47) 12.08.2020	22.12.2016
(31) 11193406	(22) 12.03.2019	(22) 15.06.2016
(32) 14.12.2011	(54) CONTROL METHOD AT WEARABLE APPARATUS AND RELATED APPARATUSES	(54) POST-TELECONFERENCE PLAYBACK USING NON-DESTRUCTIVE AUDIO TRANSPORT
(33) European Patent Office (EPO)	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(73) Dolby Laboratories Licensing Corporation
(51) H04L 29/12	(72) ZHANG, Haiping	(72) CARTWRIGHT, Richard J.
H04W 8/26	(31) 201810388478	DICKINS, Glenn N.
H04W 48/08	(32) 26.04.2018	(31) 201562180263 P
(11) EP3190830	(33) China	(32) 16.06.2015
(21) EP15843503.2	(51) H04M 1/725	(33) United States of America
(47) 12.08.2020	G06F 3/0481	(51) H04M 3/30
(87) CN2015090894	G06F 3/0484	H04M 11/06
31.03.2016	(11) EP3352066	H04B 3/46
(22) 28.09.2015	(21) EP16845662.2	(11) EP2396959
(54) SERVICE PROCESSING METHOD TO ENHANCE USER PRIVACY	(47) 12.08.2020	(21) EP09840124.3
(73) Huawei Technologies Co. Ltd.	(87) CN2016098151	(47) 12.08.2020
(72) CHEN, Ji	23.03.2017	(87) SE2009050474
DING, Zhiming	(22) 06.09.2016	19.08.2010
PANG, Gaokun	(54) METHOD AND APPARATUS FOR DISPLAYING FUNCTION INTERFACE	(22) 30.04.2009
(31) 201410510260	(73) Alibaba Group Holding Limited	(54) METHODS AND DEVICES FOR TRANSMISSION LINE ANALYSIS
(32) 28.09.2014	(72) TONG, Jun	(73) Telefonaktiebolaget LM Ericsson (publ)
(33) China	SHENG, Ding	(72) CEDERHOLM, Daniel
(51) H04M 1/00	LIU, Jiayin	BERG, Miguel
H04M 3/54	(31) 201510587493	(31) 151714 P
H04W 4/08	(32) 15.09.2015	(32) 11.02.2009
H04W 4/16	(33) China	(33) United States of America
H04W 12/00	(51) H04M 1/725	(51) H04M 11/06
H04W 12/04	G06F 9/445	H04W 48/18
H04W 12/06	G06F 9/451	H04W 48/20
H04W 68/00	(11) EP3518102	(11) EP2099161
H04W 84/18	(21) EP18199992.1	(21) EP08002485.4
H04W 4/00	(47) 12.08.2020	(47) 12.08.2020
H04W 4/02	(22) 28.01.2011	(22) 11.02.2008
H04W 4/80	(54) METHOD AND APPARATUS FOR DYNAMIC DISPLAY OF APPLICATION INTERFACE	(54) Method and device for processing data in a communication system
H04W 76/11	(73) Huawei Device Co., Ltd.	(73) Nokia Solutions and Networks Oy
(11) EP2786624	(72) Zhang, Ying	(72) Biernat, Krzysztof
(21) EP12853027.6	(31) 201010109037	Tomeczko, Dariusz
(47) 12.08.2020	(32) 04.02.2010	(51) H04N 1/00
(87) FI2012051021	(33) China	(11) EP3001664
06.06.2013	(51) H04M 1/725	(21) EP14186429.8
(22) 24.10.2012	H04W 4/14	(47) 12.08.2020
(54) METHOD AND APPARATUS FOR SHARING A COMMUNICATION AMONG WIRELESS DEVICES	(11) EP3232699	(22) 25.09.2014
(73) Nokia Technologies Oy	(21) EP15868284.9	(54) Data acquisition device and method for acquiring and ordered storing of data of a printed and/or written document related to a payment process
(72) LEPPÄNEN, Kari Juhani	(47) 12.08.2020	(73) Gläß, Rainer
(31) 201161566458 P	(87) CN2015076072	(72) Gläß, Rainer
(32) 02.12.2011	16.06.2016	(51) H04N 1/00
(33) United States of America	(22) 08.04.2015	H04N 5/232
(51) H04M 1/04	(54) SYNCHRONOUS OPERATION METHOD AND SYSTEM FOR SHORT MESSAGE DATA	(11) EP3085071
(11) EP3367643	(73) JRD Communication Inc.	(21) EP14825497.2
(21) EP16857729.4	(72) YONG, Mingjun	(47) 12.08.2020
(47) 12.08.2020	(31) 201410753454	(87) US2014069160
(87) KR2016011621	(32) 09.12.2014	25.06.2015
27.04.2017	(33) China	(22) 08.12.2014
(22) 17.10.2016	(51) H04M 1/725	(54) THERMAL AND POWER MANAGEMENT
(54) MOBILE PHONE HOLDER	H04W 4/14	
(73) MOMOSTICK CO., LTD.	(11) EP3232699	
(72) PARK, Jin Kyu	(21) EP15868284.9	
(31) 201520816187 U	(47) 12.08.2020	
	(87) CN2015076072	
	16.06.2016	
	(22) 08.04.2015	
	(54) SYNCHRONOUS OPERATION METHOD AND SYSTEM FOR SHORT MESSAGE DATA	
	(73) JRD Communication Inc.	
	(72) YONG, Mingjun	
	(31) 201410753454	
	(32) 09.12.2014	
	(33) China	

(73) Qualcomm Incorporated	(54) MOBILE ZOOM USING MULTIPLE OPTICAL IMAGE STABILIZATION CAMERAS	(87) EP2017050490 20.07.2017
(72) PARK, Hee Jun PARANJPE, Sumant Madhav FORUTANPOUR, Babak	(73) Apple Inc.	(22) 11.01.2017
(31) 201361919543 P 201414322746	(72) MILLER, Scott W. SHARMA, Shashank LEE, Simon S.	(54) MULTI-APERTURE IMAGING DEVICES, METHOD FOR PRODUCING SAME, AND IMAGING SYSTEM
(32) 20.12.2013 02.07.2014	(31) 201562235353 P	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(33) United States of America United States of America	(32) 30.09.2015	(72) WIPPERMANN, Frank BRÜCKNER, Andreas REIMANN, Andreas BRÄUER, Andreas
(51) H04N 1/40 H04N 1/52	(33) United States of America	(31) 102016200287
(11) EP3075139	(51) H04N 5/225 H04N 5/232	(32) 13.01.2016
(21) EP14803095.0	(11) EP3448012	(33) Germany
(47) 12.08.2020	(21) EP18157245.4	(51) H04N 5/353 H04N 5/355 H04N 5/369 H04N 5/3745 H04N 5/235
(87) EP2014075449 04.06.2015	(47) 12.08.2020	(11) EP3468168
(22) 25.11.2014	(22) 16.02.2018	(21) EP17806198.2
(54) COLORANT SPLITTING METHOD	(54) IMAGE CAPTURING APPARATUS	(47) 12.08.2020
(73) AGFA NV	(73) CANON KABUSHIKI KAISHA	(87) JP2017014953 07.12.2017
(72) VANDE VELDE, Koen MAHY, Marc	(72) YASUTAKE, Yuta TAKAHATA, Kazuma	(22) 12.04.2017
(31) 13195023	(31) 2017161800	(54) IMAGE CAPTURING APPARATUS, SOLID-STATE IMAGE CAPTURING DEVICE, AND CONTROL METHOD OF IMAGE CAPTURING APPARATUS
(32) 29.11.2013	(32) 25.08.2017	(73) Sony Corporation
(33) European Patent Office (EPO)	(33) Japan	(72) OGAWA, Koji SAKAKIBARA, Masaki
(51) H04N 5/217 H04N 5/357 H04N 5/3745 H04N 5/378 H01L 27/146	(51) H04N 5/225 H04N 13/00	(31) 2016107260 (32) 30.05.2016 (33) Japan
(11) EP3518518	(11) EP2569951	(51) H04N 5/365 H04N 5/3745
(21) EP19154945.0	(21) EP10851520.6	(11) EP2950525
(47) 12.08.2020	(47) 12.08.2020	(21) EP14173903.7
(22) 20.02.2015	(87) US2010035026 17.11.2011	(47) 12.08.2020
(54) IMAGING DEVICE AND ELECTRONIC APPARATUS	(22) 14.05.2010	(22) 25.06.2014
(73) Sony Corporation	(54) SYSTEM AND METHOD FOR MULTI-VIEWPOINT VIDEO CAPTURE	(54) Semiconductor image sensor with integrated pixel heating and method of operating a semiconductor image sensor
(72) KATO, Nanako WAKANO, Toshifumi OTAKE, Yusuke	(73) Hewlett-Packard Development Company, L.P.	(73) ams AG
(31) 2014038584	(72) BAKER, Henry Harlyn SANG, Henry Jr. CHANG, Nelson Liang An	(72) Stockmeier, Thomas Forsyth, Richard Troxler, Thomas
(32) 28.02.2014	(51) H04N 5/232 G06T 7/20 G06T 7/30	(31) 14170387 (32) 28.05.2014 (33) European Patent Office (EPO)
(33) Japan	(11) EP3417606	(51) H04N 5/367 H04N 5/372 H04N 5/374 H04N 17/00
(51) H04N 5/217 H04N 5/77	(21) EP17701640.9	(11) EP3509294
(11) EP2903255	(47) 12.08.2020	(21) EP17845826.1
(21) EP15153508.5	(87) EP2017050390 24.08.2017	(47) 12.08.2020
(47) 12.08.2020	(22) 10.01.2017	(87) JP2017021792 08.03.2018
(22) 02.02.2015	(54) A METHOD OF STABILIZING A SEQUENCE OF IMAGES	(22) 13.06.2017
(54) Video signal termination detection circuit	(73) FotoNation Limited	(54) IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD
(73) Rosemount Aerospace Inc.	(72) STEC, Piotr	(73) Sony Corporation
(72) Bartholomew, John C. Evans, Nathan D. Swenson, James W.	(31) 201615048149 201662359582 P 201662385152 P	(72) KURITA, Tepei KAIZU, Shun KONDO, Yuhi
(31) 201461934197 P 201414172001	(32) 19.02.2016 07.07.2016 08.09.2016	
(32) 31.01.2014 04.02.2014	(33) United States of America United States of America United States of America	
(33) United States of America United States of America	(51) H04N 5/341 G02B 7/00 G02B 13/00 G02B 27/10 H04N 5/225	
(51) H04N 5/225	(11) EP3403393	
(11) EP3357228	(21) EP17701278.8	
(21) EP16766708.8	(47) 12.08.2020	
(47) 12.08.2020		
(87) US2016048475 06.04.2017		
(22) 24.08.2016		

HIRASAWA, Yasutaka	(54) OPERATION CONTROL OF BATTERY-POWERED DEVICES	Jeon, Byeungwoo
(31) 2016169271	(73) Axis AB	Park, Hyoungmee
(32) 31.08.2016	(72) Nyström, Johan	Park, Mincheol
(33) Japan	Fransson, Kent	Kim, Dongwon
(51) H04N 5/369	(51) H04N 9/31	Kim, Kibaek
H04N 5/222	(11) EP3152616	Lee, Juock
H04N 5/232	(31) 20090093982	
H04N 5/262	(21) EP15803468.6	(32) 01.10.2009
(11) EP3209012	(47) 12.08.2020	(33) Korea (Republic)
(21) EP17156597.1	(87) CA2015050515	(51) H04N 19/103
(47) 12.08.2020	10.12.2015	H04N 19/105
(22) 17.02.2017	(22) 03.06.2015	H04N 19/109
(54) ELECTRONIC DEVICE AND OPERATING METHOD THEREOF	(54) EFFICIENT, DYNAMIC, HIGH CONTRAST LENSING WITH APPLICATIONS TO IMAGING, ILLUMINATION AND PROJECTION	H04N 19/11
(73) Samsung Electronics Co., Ltd	(73) MTT Innovation Incorporated	H04N 19/119
(72) LEE, Wooyong	(72) DAMBERG, Gerwin	H04N 19/136
LEE, Gyubong	GREGSON, James	H04N 19/146
YOO, Hyoung Jin	HEIDRICH, Wolfgang	H04N 19/157
LEE, Inpyo	(31) 201462007341 P	H04N 19/17
WON, Jonghoon	201562118945 P	H04N 19/172
(31) 20160020009	(32) 03.06.2014	H04N 19/174
(32) 19.02.2016	20.02.2015	H04N 19/176
(33) Korea (Republic)	(33) United States of America	H04N 19/177
(51) H04N 5/378	United States of America	H04N 19/467
G01J 1/46	(51) H04N 13/31	H04N 19/503
(11) EP2178288	H04N 13/315	H04N 19/593
(21) EP09305904.6	G02B 30/27	H04N 19/61
(47) 12.08.2020	(11) EP2996332	H04N 19/70
(22) 28.09.2009	(21) EP15182809.2	(11) EP3595301
(54) Device and method for reading out electrical currents provided by an electromagnetic signal detector	(47) 12.08.2020	(21) EP19193514.7
(73) LYNRED	(22) 27.08.2015	(47) 12.08.2020
(72) Sanson, Eric	(54) DISPLAY APPARATUS AND CONTROL METHOD THEREOF	(2) 01.10.2010
(31) 0856990	(73) Samsung Electronics Co., Ltd.	(54) METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE USING VARIABLE-SIZED MACROBLOCKS
(32) 15.10.2008	(72) KANG, Jin-sung	(73) SK Telecom Co., Ltd
(33) France	(31) 20140120429	(72) Kim, Sunyeon
(51) H04N 5/445	(32) 11.09.2014	Jeon, Byeungwoo
H04N 7/173	(33) Korea (Republic)	Park, Hyoungmee
H04N 5/765	(51) H04N 19/103	Park, Mincheol
(11) EP2211542	H04N 19/105	Kim, Dongwon
(21) EP09151272.3	H04N 19/109	Kim, Kibaek
(47) 12.08.2020	H04N 19/11	Lee, Juock
(22) 23.01.2009	H04N 19/119	(31) 20090093982
(54) Making available previously broadcast programming	H04N 19/136	(32) 01.10.2009
(73) DISH Technologies L.L.C.	H04N 19/146	(33) Korea (Republic)
(72) Stephenson, Alastair	H04N 19/157	(51) H04N 19/105
(51) H04N 5/77	H04N 19/159	H04N 19/157
H04N 7/18	H04N 19/17	H04N 19/176
(11) EP2538672	H04N 19/172	H04N 19/196
(21) EP11170790.7	H04N 19/174	H04N 19/593
(47) 12.08.2020	H04N 19/176	(11) EP3085090
(22) 21.06.2011	H04N 19/177	(21) EP14871953.7
(54) Method for configuring networked cameras	H04N 19/467	(47) 12.08.2020
(73) Axis AB	H04N 19/503	(87) CN2014094234
(72) Rehn, John	H04N 19/593	25.06.2015
Hultqvist, Sebastian	H04N 19/61	(22) 18.12.2014
Bengtsson, Daniel	H04N 19/70	(54) METHOD FOR PALETTE TABLE PREDICTION
Ståhl, Joachim	(11) EP3595311	(73) HFI Innovation Inc.
(51) H04N 7/18	(21) EP19193515.4	(72) CHUANG, Tzu-Der
G06F 1/32	(47) 12.08.2020	LAI, Wang-Lin
(11) EP3503539	(22) 01.10.2010	SUN, Yu-Chen
(21) EP17209672.9	(54) METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE USING VARIABLE-SIZED MACROBLOCKS	LIU, Shan
(47) 12.08.2020	(73) SK Telecom Co., Ltd	XU, Xiaozhong
(22) 21.12.2017	(72) Kim, Sunyeon	(31) 201361917474 P
		201361921152 P
		201361922131 P
		201461952932 P

(32) 18.12.2013	H04N 19/134	(72) CHEN, Ying
27.12.2013	H04N 19/136	PANG, Chao
31.12.2013	H04N 19/147	ZHANG, Li
14.03.2014	H04N 19/176	SOLE ROJALS, Joel
(33) United States of America	H04N 19/192	KARCZEWICZ, Marta
United States of America	H04N 19/196	(31) 201461925647 P
United States of America	H04N 19/46	201461926224 P
United States of America	H04N 19/463	201514592819
(51) H04N 19/105	H04N 19/70	(32) 09.01.2014
H04N 19/174	(11) EP3499892	10.01.2014
H04N 19/176	(21) EP19152375.2	08.01.2015
H04N 19/463	(47) 12.08.2020	(33) United States of America
H04N 19/58	(22) 01.11.2011	United States of America
H04N 19/70	(54) MULTI-LEVEL SIGNIFICANCE MAPS	United States of America
(11) EP2759133	FOR ENCODING AND DECODING	(51) H04N 19/463
(21) EP12777971.8	(73) Velos Media International Limited	H04N 19/51
(47) 12.08.2020	(72) HE, Dake	(11) EP3217667
(87) US2012056362	Nguyen, Nguyen	(21) EP17159161.3
28.03.2013	Ji, Tianying	(47) 12.08.2020
(22) 20.09.2012	(51) H04N 19/13	(22) 17.10.2011
(54) REFERENCE PICTURE LIST	H04N 19/174	(54) ENCODING METHOD AND DECODING
CONSTRUCTION FOR VIDEO CODING	H04N 19/436	METHOD
(73) Velos Media International Limited	H04N 19/46	(73) Kabushiki Kaisha Toshiba
(72) CHEN, Ying	H04N 19/463	(72) Tanizawa, Akiyuki
WANG, Ye-kui	H04N 19/70	Chujoh, Takeshi
(31) 201161538787 P	H04N 19/91	(51) H04N 21/2343
201161539433 P	(11) EP3481068	H04N 21/4728
201161542034 P	(21) EP18211768.9	H04N 21/643
201213622931	(47) 12.08.2020	H04N 21/6587
(32) 23.09.2011	(22) 15.04.2013	(11) EP2874405
26.09.2011	(54) LOW DELAY PICTURE CODING	(21) EP14189778.5
30.09.2011	(73) GE Video Compression, LLC	(47) 12.08.2020
19.09.2012	(72) SCHIERL, Thomas	(22) 21.10.2014
(33) United States of America	GEORGE, Valeri	(54) A client device, system and software for
United States of America	HENKEL, Anastasia	providing a defined view of an image on
United States of America	MARPE, Detlev	a client device
United States of America	GRÜNEBERG, Karsten	(73) Sony Corporation
(51) H04N 19/105	SKUPIN, Robert	(72) Williams, Michael John
H04N 19/174	(31) 201261624098 P	Wagg, David
H04N 19/176	201261666185 P	Gillard, Clive Henry
H04N 19/463	(32) 13.04.2012	Porter, Robert Mark Stefan
H04N 19/58	29.06.2012	Cooper, Richard
H04N 19/70	(33) United States of America	(31) 201320217
(11) EP2759130	United States of America	(32) 15.11.2013
(21) EP12772609.9	(51) H04N 19/18	(33) United Kingdom
(47) 12.08.2020	H04N 19/467	(51) H04N 21/258
(87) US2012056394	H04N 19/48	H04L 29/06
28.03.2013	(11) EP3506636	H04L 29/08
(22) 20.09.2012	(21) EP18187768.9	(11) EP2652931
(54) CODING REFERENCE PICTURES FOR	(47) 12.08.2020	(21) EP10803154.3
A REFERENCE PICTURE SET	(22) 15.06.2012	(47) 12.08.2020
(73) Velos Media International Limited	(54) MULTI-BIT INFORMATION HIDING	(87) IN2010000805
(72) WANG, Ye-Kui	USING OVERLAPPING SUBSETS	21.06.2012
CHEN, Ying	(73) BlackBerry Limited	(22) 14.12.2010
(31) 201161538787 P	(72) HE, Dake	(54) SYSTEMS AND METHODS FOR
201161539433 P	WANG, Jing	DISTRIBUTED ACCESS TO MEDIA
201161542034 P	YU, Xiang	CONTENT USING PLACESHIFTING
201213622928	(51) H04N 19/186	(73) Sling Media PVT Ltd
(32) 23.09.2011	H04N 19/593	(72) PANIGRAHI, Biswaranjan
26.09.2011	(11) EP3092802	(51) H04N 21/258
30.09.2011	(21) EP15701083.6	H04N 21/41
19.09.2012	(47) 12.08.2020	H04N 21/443
(33) United States of America	(87) US2015010783	H04N 21/6332
United States of America	16.07.2015	H04N 21/81
United States of America	(22) 09.01.2015	H04L 12/28
United States of America	(54) INTRA PREDICTION FROM A	(11) EP1680729
(51) H04N 19/119	PREDICTIVE BLOCK	(21) EP04810231.3
H04N 19/132	(73) Qualcomm Incorporated	(47) 12.08.2020

(87) US2004036535 19.05.2005	(54) Display apparatus for performing user certification and method thereof	(54) AUDIO DECODER AND DECODING METHOD
(22) 02.11.2004	(73) Samsung Electronics Co., Ltd	(73) Dolby Laboratories Licensing Corporation
(54) METHOD FOR SAVING AND RECALLING STATE DATA FOR MEDIA AND HOME APPLIANCES	(72) Kim, Sang-yoon	(72) Dolby International AB
(73) Universal Electronics, Inc.	Jeong, Ki-jun	(72) BREEBAART, Dirk Jeroen
(72) ARLING, Paul, D.	Ryu, Hee-seob	COOPER, David Matthew
CHAMBERS, Christopher	Teshome, Mikiyas	SAMUELSSON, Leif Jonas
SCOTT, Wayne, c/o Universal Electronics Inc.	Park, Seung-kwon	(31) 201562209742 P
MOMOT, Mark	(31) 20130035414	15189008
(31) 517237 P	(32) 01.04.2013	(32) 25.08.2015
979352	(33) Korea (Republic)	08.10.2015
(32) 04.11.2003	(51) H04N 21/43	(33) United States of America
01.11.2004	G08C 17/02	European Patent Office (EPO)
(33) United States of America	G11B 20/10	(51) H04W 4/06
United States of America	G06F 3/048	H04W 72/00
(51) H04N 21/262	(11) EP3346470	H04W 72/04
H04N 21/442	(21) EP18154026.1	H04W 4/70
H04N 21/472	(47) 12.08.2020	(11) EP3448069
H04N 21/482	(22) 27.09.2012	(21) EP16912493.0
H04N 21/61	(54) METHODS AND APPARATUS TO MANAGE ZONES OF A MULTI-ZONE MEDIA PLAYBACK SYSTEM	(47) 12.08.2020
G06Q 30/02	(73) Sonos Inc.	(87) CN2016101257
G06Q 30/06	(72) REIMANN, Robert M.	15.02.2018
(11) EP3114849	HOADLEY, Joni R.	(22) 30.09.2016
(21) EP14884480.6	(31) 201113247754	(54) MULTICAST-BASED WIRELESS COMMUNICATION METHOD, TERMINAL DEVICE AND BASE STATION
(47) 12.08.2020	(32) 28.09.2011	(73) Huawei Technologies Co., Ltd.
(87) US2014072652	(33) United States of America	(72) TIE, Xiaolei
11.09.2015	(51) H04R 1/40	Ji, Tong
(22) 30.12.2014	H04R 3/00	HUA, Meng
(54) USE OF AN ANTICIPATED TRAVEL DURATION AS A BASIS TO GENERATE A PLAYLIST	H04R 25/00	(31) PCT/CN2016/094775
(73) Gracenote Digital Ventures, LLC	(11) EP2541971	(32) 11.08.2016
(72) PANGULURI, Venkatarama Anilkumar	(21) EP11747042.7	(33) World Intellectual Property Office (WIPO)
YARRAM, Venkata Sunil Kumar	(47) 12.08.2020	(51) H04W 4/06
KUMAR, Lalit	(87) JP2011001031	H04W 76/28
SUNKU, Raghavendra	01.09.2011	(11) EP3235333
(31) 201414196932	(22) 23.02.2011	(21) EP14828577.8
(32) 04.03.2014	(54) SOUND PROCESSING DEVICE AND SOUND PROCESSING METHOD	(47) 12.08.2020
(33) United States of America	(73) Panasonic Intellectual Property Management Co., Ltd.	(87) SE2014051540
(51) H04N 21/422	(72) BANBA, Yutaka	23.06.2016
H04N 21/485	KANAMORI, Takeo	(22) 19.12.2014
(11) EP3319324	(31) 2010038903	(54) METHOD AND APPARATUS FOR SETTING DRX CONFIGURATION
(21) EP17197893.5	(32) 24.02.2010	(73) Telefonaktiebolaget LM Ericsson (publ)
(47) 12.08.2020	(33) Japan	(72) OHLSSON, Anders
(22) 24.10.2017	(51) H04R 25/00	GUSTAFSSON, Christer
(54) DISPLAY DEVICE AND OPERATING METHOD THEREOF	(11) EP3425927	(51) H04W 4/16
(73) LG Electronics Inc.	(21) EP18177395.3	H04W 28/06
(72) Han, Jungoo	(47) 12.08.2020	H04W 88/04
Heo, Ubeom	(22) 12.06.2018	H04W 4/00
Jeong, Yunseok	(54) METHOD FOR PRODUCING A HOUSING SECTION OF A HEARING DEVICE, HOUSING SECTION OF A HEARING AID AND HEARING AID	(11) EP3131332
(31) 20160147234	(73) Sivantos Pte. Ltd.	(21) EP15776443.2
(32) 07.11.2016	(72) FREELS, Björn	(47) 12.08.2020
(33) Korea (Republic)	BECK, Daniela	(87) KR2015003406
(51) H04N 21/4223	(31) 102017211668	15.10.2015
H04N 21/4415	(32) 07.07.2017	(22) 06.04.2015
H04N 21/475	(33) Germany	(54) COMMUNICATION MODULE AND DATA DIVISION TRANSMISSION METHOD USING SAME
G06K 9/00	(51) H04S 7/00	(73) LG Innotek Co., Ltd.
G06K 9/62	(11) EP3342188	(72) OH, Yong Taek
G06F 21/32	(21) EP16760281.2	(31) 20140041185
(11) EP2787463	(47) 12.08.2020	(32) 07.04.2014
(21) EP14152520.4	(87) US2016048233	(33) Korea (Republic)
(47) 12.08.2020	02.03.2017	(51) H04W 8/00
(22) 24.01.2014	(22) 23.08.2016	(11) EP3079395
		(21) EP14867268.6

(47) 12.08.2020	(51) H04W 8/00	19.05.2016
(87) CN2014093030	H04W 48/16	(22) 10.11.2015
11.06.2015	H04W 52/50	(54) APPARATUS AND METHOD FOR
(22) 04.12.2014	H04W 92/18	HANDLING SINGLE RADIO VOICE
(54) D2D SIGNAL DETECTING METHOD	(11) EP3200555	CALL CONTINUITY HANDOVER
AND DEVICE	(21) EP15843427.4	(73) Samsung Electronics Co., Ltd
(73) CHINA ACADEMY OF	(47) 12.08.2020	(72) WONG, Curt C.
TELECOMMUNICATIONS	(87) JP2015077097	JEONG, Sang-Soo
TECHNOLOGY	31.03.2016	(31) 201462077788 P
(72) CHEN, Wenhong	(22) 25.09.2015	201562138839 P
GAO, Qiubin	(54) TERMINAL DEVICE AND	201514743747
PENG, Ying	COMMUNICATION METHOD	20150139629
ZHAO, Rui	(73) Sharp Kabushiki Kaisha	(32) 10.11.2014
(31) 201310658748	(72) AIBA Tatsushi	26.03.2015
(32) 06.12.2013	SUZUKI Shoichi	18.06.2015
(33) China	YOKOMAKURA Kazunari	05.10.2015
(51) H04W 8/00	TAKAHASHI Hiroki	(33) United States of America
H04W 24/02	(31) 2014196210	United States of America
H04W 40/24	2014203823	United States of America
H04W 48/08	(32) 26.09.2014	Korea (Republic)
H04W 48/16	02.10.2014	(51) H04W 8/08
H04W 72/00	(33) Japan	H04W 8/12
H04W 72/04	Japan	H04W 24/10
H04W 72/08	(51) H04W 8/00	H04W 60/04
H04W 88/06	H04W 56/00	H04W 64/00
H04W 88/10	H04W 76/14	H04W 84/04
H04W 88/18	(11) EP3100386	H04W 4/02
(11) EP3318094	(21) EP15742658.6	H04W 4/38
(21) EP16728484.3	(47) 12.08.2020	(11) EP3295688
(47) 12.08.2020	(87) KR2015000915	(21) EP16724864.0
(87) US2016034121	06.08.2015	(47) 12.08.2020
05.01.2017	(22) 28.01.2015	(87) EP2016060817
(22) 25.05.2016	(54) METHOD AND DEVICE FOR	17.11.2016
(54) OPTIMIZING THE REACH OF A	DETECTING AND GENERATING	(22) 13.05.2016
MESSAGE BEACON DEVICE WITH	SYNCHRONIZATION SIGNAL FOR	(54) SYSTEM AND METHODS FOR
RESPECT TO THE NUMBER OF	DEVICE-TO-DEVICE WIRELESS	PROVIDING MONITORING SERVICES
WIRELESS DEVICES IN REACH,	COMMUNICATION	(73) Telefonaktiebolaget LM Ericsson (PUBL)
RESOURCE CONSUMPTION AND	(73) Samsung Electronics Co., Ltd.	(72) MATTSSON, Ulf
INTERFERENCE	(72) RO, Sangmin	KARLSSON, Josefin
(73) Qualcomm Incorporated	KWAK, Yongjun	(31) 201562161486 P
(72) WIETFELDT, Richard Dominic	OH, Jinyoung	(32) 14.05.2015
(31) 201514755827	CHOI, Seunghoon	(33) United States of America
(32) 30.06.2015	(31) 20140010765	(51) H04W 8/08
(33) United States of America	20140058917	H04W 76/20
(51) H04W 8/00	(32) 28.01.2014	(11) EP3429262
H04W 48/08	16.05.2014	(21) EP17763520.8
H04W 48/10	(33) Korea (Republic)	(47) 12.08.2020
H04W 48/12	Korea (Republic)	(87) KR2017002385
H04W 48/16	(51) H04W 8/02	14.09.2017
H04W 72/04	H04W 8/06	(22) 06.03.2017
H04W 84/12	H04W 8/12	(54) METHOD AND DEVICE FOR
H04W 88/06	(11) EP3503600	CONFIGURING BEARER FOR
H04W 88/08	(21) EP17210065.3	TRANSMISSION OF USER DATA
H04W 4/20	(47) 12.08.2020	(73) LG Electronics Inc.
(11) EP3120616	(22) 22.12.2017	(72) BYUN, Daewook
(21) EP15789222.5	(54) NETWORK ACCESS ENTITY AND	KIM, Taehun
(47) 12.08.2020	METHOD FOR ESTABLISHING A	XU, Jian
(87) SG2015050098	ROAMING CONNECTION VIA A	RYU, Jinsook
12.11.2015	NETWORK ACCESS ENTITY	KIM, Seokjung
(22) 06.05.2015	(73) Deutsche Telekom AG	(31) 201662305542 P
(54) METHOD FOR DISCOVERING	(72) Lauster, Reinhard	(32) 09.03.2016
SERVICES	(51) H04W 8/04	(33) United States of America
(73) MediaTek Singapore Pte Ltd.	H04W 36/00	(51) H04W 8/18
(72) BAJKO, Gabor	H04W 80/10	(11) EP2528363
WANG, Chao-chun	(11) EP3219148	(21) EP12168228.0
(31) 201461989060 P	(21) EP15858774.1	(47) 12.08.2020
(32) 06.05.2014	(47) 12.08.2020	(22) 16.05.2012
(33) United States of America	(87) KR2015012022	



(54) Change of subscription in an identification module	H04W 36/00	(73) BlackBerry Limited
(73) Vodafone Holding GmbH	H04W 60/00	(72) GANDHI, Shivangi Anantrupa
(72) Jacobs, Holger	H04W 92/20	TAKACS, Kristof
Rüdinger, Jens	H04W 76/19	ADAMS, Neil Patrick
(31) 102011076415	H04W 76/27	(31) 201615380791
(32) 24.05.2011	(11) EP3437428	(32) 15.12.2016
(33) Germany	(21) EP17716017.3	(33) United States of America
(51) H04W 8/18	(47) 12.08.2020	(51) H04W 12/04
H04W 28/02	(87) JP2017011713	H04W 36/08
(11) EP2824963	05.10.2017	(11) EP2461626
(21) EP13757733.4	(22) 23.03.2017	(21) EP12157621.9
(47) 12.08.2020	(54) A BASE STATION FOR A COMMUNICATION NETWORK AND A CORE NETWORK APPARATUS	(47) 12.08.2020
(87) KR2013001912	(73) NEC Corporation	(22) 17.06.2009
12.09.2013	(72) SIVAVAKEESAR, Sivapathalingham	(54) Key derivation
(22) 08.03.2013	HAYASHI, Sadafuku	(73) Huawei Technologies Co., Ltd.
(54) METHOD AND DEVICE FOR CONTROLLING RADIO ACCESS NETWORK TRAFFIC IN RADIO COMMUNICATION SYSTEM	(31) 201605466	(72) Huang, Min
(73) Samsung Electronics Co., Ltd.	(32) 31.03.2016	Chen, Jing
(72) JEONG, Sang-Soo	(33) United Kingdom	Zhang, Ai Qin
CHO, Song-Yean	(51) H04W 8/24	Liu, Xiaohan
LIM, Han-Na	H04W 76/27	(31) 200810067995
BAE, Beom-Sik	H04W 76/28	(32) 23.06.2008
BAEK, Young-Kyo	(11) EP3179757	(33) China
WON, Sung-Hwan	(21) EP16186309.7	(51) H04W 12/08
(31) 201261608580 P	(47) 12.08.2020	H04W 28/02
20120032140	(22) 21.06.2012	(11) EP2862378
(32) 08.03.2012	(54) METHOD FOR REPORTING USER EQUIPMENT ASSISTANCE INFORMATION REPORTING, USER EQUIPMENT, SYSTEM AND COMPUTER PROGRAM PRODUCT	(21) EP13725025.4
29.03.2012	(73) Huawei Technologies Co., Ltd.	(47) 12.08.2020
(33) United States of America	(72) QUAN, Wei	(87) US2013040638
Korea (Republic)	CHEN, Yuhua	19.12.2013
(51) H04W 8/18	ZHANG, Jian	(22) 10.05.2013
H04W 36/00	(51) H04W 8/26	(54) METHOD AND APPARATUS FOR WLAN INITIAL LINK SETUP
H04W 36/24	H04W 36/00	(73) Qualcomm Incorporated
H04W 36/26	H04W 88/08	(72) CHERIAN, George
H04W 36/30	(11) EP2541986	ABRAHAM, Santosh, Paul
H04W 48/18	(21) EP11800175.9	MALINEN, Jouni
(11) EP3331286	(47) 12.08.2020	SAMPATH, Hemanth
(21) EP16202019.2	(87) CN2011076520	(31) 201261659389 P
(47) 12.08.2020	05.01.2012	201313836765
(22) 02.12.2016	(22) 28.06.2011	(32) 13.06.2012
(54) MOBILE DEVICE ROAMING BASED ON USER'S NETWORK PROFILE	(54) METHOD AND USER EQUIPMENT FOR REPORTING HANDOVER SCENARIO JUDGEMENT PARAMETER AND BASE STATION FOR HANDOVER SCENARIO JUDGEMENT	15.03.2013
(73) Alcatel Lucent	(73) ZTE Corporation	(33) United States of America
(72) SAYADI, Bessem	(72) HAN, Lifeng	United States of America
KERBOEUF, Sylvaine	HE, Feng	(51) H04W 12/12
(51) H04W 8/18	(31) 201010210988	(11) EP2890173
H04W 48/02	(32) 28.06.2010	(21) EP14197785.0
H04W 48/20	(33) China	(47) 12.08.2020
H04W 84/04	(51) H04W 12/00	(22) 12.12.2014
(11) EP2777327	H04W 12/06	(54) Quarantine-based mitigation of effects of a local DoS attack
(21) EP13703289.2	G06F 21/45	(73) Cisco Technology, Inc.
(47) 12.08.2020	G06F 21/60	(72) Cruz Mota, Javier
(87) US2013023699	(11) EP3337209	Vasseur, Jean-Philippe
15.08.2013	(21) EP17204207.9	Di Pietro, Andrea
(22) 30.01.2013	(47) 12.08.2020	Hui, Jonathan W.
(54) WIRELESS COMMUNICATION SYSTEM HAVING ASSIGNED ACCESS CLASSES AND RELATED METHODS	(22) 28.11.2017	(31) 201361922568 P
(73) Harris Corporation	(54) METHOD, APPARATUS AND COMPUTER READABLE STORAGE MEDIUM FOR SECURE CONTEXT-AWARE PASSWORD MANAGEMENT	201414165439
(72) JOHNSON, Reid Henry		(32) 31.12.2013
HENDERSON, Gregory Newell		27.01.2014
(31) 201213367034		(33) United States of America
(32) 06.02.2012		United States of America
(33) United States of America		(51) H04W 16/02
(51) H04W 8/20		H04W 16/32
		H04W 24/02
		(11) EP3209045
		(21) EP15849931.9
		(47) 12.08.2020
		(87) JP2015073284

21.04.2016	(54) TECHNIQUES FOR SELECTIVELY	(54) ENHANCED DISCONTINUOUS
(22) 19.08.2015	ADJUSTING WIRELESS	RECEPTION DESIGN FOR A SHARED
(54) COMMUNICATIONS CONTROL	COMMUNICATION PARAMETERS	FREQUENCY BAND
DEVICE, BASE STATION, AND	BASED ON AGGREGATED	(73) QUALCOMM Incorporated
COMMUNICATION CONTROL METHOD	INTERFERENCE FROM LISTEN-	(72) SUN, Jing
(73) Sony Corporation	BEFORE-TALK WIRELESS DEVICES	MONTOJO, Juan
(72) FURUICHI, Sho	(73) QUALCOMM Incorporated	YOO, Taesang
KIMURA, Ryota	(72) KHOSHNEVISAN, Mostafa	MALLIK, Siddhartha
(31) 2014211359	MESHKATI, Farhad	RADULESCU, Andrei
(32) 16.10.2014	KADOUS, Tamer	PATEL, Chirag
(33) Japan	YAVUZ, Mehmet	ZHANG, Chengjin
(51) H04W 16/02	PATEL, Chirag Sureshbhai	(31) 201662324054 P
H04W 24/02	(31) 201662421814 P	201662347597 P
H04W 88/08	201715810963	201715489599
(11) EP2499856	(32) 14.11.2016	(32) 18.04.2016
(21) EP11799963.1	13.11.2017	08.06.2016
(47) 12.08.2020	(33) United States of America	17.04.2017
(87) AU2011000801	United States of America	(33) United States of America
05.01.2012	(51) H04W 16/14	United States of America
(22) 29.06.2011	H04W 28/06	United States of America
(54) DYNAMIC NETWORK	H04W 72/12	(51) H04W 24/02
CONFIGURATION	H04W 88/06	(11) EP2943003
(73) Commonwealth Scientific and Industrial	(11) EP3061299	(21) EP14305677.8
Research Organisation	(21) EP14792681.0	(47) 12.08.2020
(72) COLLINGS, Iain, Bruce	(47) 12.08.2020	(22) 09.05.2014
NI, Wei	(87) US2014060730	(54) Small cell base station deployment in
(31) 362250 P	30.04.2015	cellular networks
2010902880	(22) 15.10.2014	(73) Alcatel Lucent
(32) 07.07.2010	(54) APPARATUS AND METHODS OF	(72) Razavi, Rouzbeh
29.06.2010	BLUETOOTH AND WIRELESS LOCAL	Claussen, Holger
(33) United States of America	AREA NETWORK COEXISTENCE	(51) H04W 28/04
Australia	(73) QUALCOMM Incorporated	H04W 74/08
(51) H04W 16/10	(72) HWANG, Insoo	(11) EP3399790
H04W 16/32	DAS, Soumya	(21) EP16891407.5
H04W 72/04	SONG, Bongyong	(47) 12.08.2020
H04W 84/04	(31) 201314061320	(87) JP2016055117
H04W 92/20	(32) 23.10.2013	31.08.2017
(11) EP2417793	(33) United States of America	(22) 22.02.2016
(21) EP10761201.2	(51) H04W 16/14	(54) COMMUNICATION APPARATUS,
(47) 12.08.2020	H04W 28/18	COMMUNICATION METHOD, AND
(87) CN2010071610	H04W 36/00	COMMUNICATION PROGRAM
14.10.2010	H04W 48/16	(73) Mitsubishi Electric Corporation
(22) 07.04.2010	(11) EP3244654	(72) SOMA, Shingo
(54) A MECHANISM OF DYNAMIC	(21) EP17170034.7	YAGI, Akiyoshi
RESOURCE TRANSACTION FOR	(47) 12.08.2020	(51) H04W 28/08
WIRELESS OFDMA SYSTEMS	(22) 09.05.2017	H04W 48/10
(73) MediaTek Inc.	(54) SHARED SPECTRUM ACCESS	(11) EP3487229
Wei, Hung-Yu	(73) Koninklijke KPN N.V.	(21) EP18208714.8
(72) WEI, Hung-Yu	Nederlandse Organisatie voor toegepast-	(47) 12.08.2020
LIN, Guan-Yu	natuurwetenschappelijk onderzoek TNO	(22) 01.05.2012
CHAO, Shih-Lung	(72) ZHANG, Haibin	(54) LOAD BALANCING IN NETWORK
CHEN, Yih-Shen	Litjens, Remco	SHARING
FU, I-Kang	TRICHIAS, Konstantinos	(73) NEC Corporation
(31) 167222 P	(31) 16169358	(72) SERRAVALLE, Francesca
798592	(32) 12.05.2016	GUPTA, Neeraj
(32) 07.04.2009	(33) European Patent Office (EPO)	PATERSON, Robert
06.04.2010	(51) H04W 16/14	NOMA, Satoshi
(33) United States of America	H04W 68/00	(31) 201108525
United States of America	H04W 68/02	(32) 20.05.2011
(51) H04W 16/14	H04W 74/08	(33) United Kingdom
H04W 28/02	H04W 76/28	(51) H04W 28/16
H04W 74/08	(11) EP3446506	H04W 28/24
(11) EP3539348	(21) EP17721235.4	H04W 36/00
(21) EP17805080.3	(47) 12.08.2020	H04W 36/08
(47) 12.08.2020	(87) US2017028143	H04W 36/14
(87) US2017061460	26.10.2017	(11) EP3477991
17.05.2018	(22) 18.04.2017	(21) EP17838427.7
(22) 14.11.2017		(47) 12.08.2020

- (87) CN2017087901  
15.02.2018
- (22) 12.06.2017
- (54) METHOD AND DEVICE FOR PROCESSING QUALITY OF SERVICE PARAMETER IN HANDOVER SCENARIO
- (73) China Academy of Telecommunications Technology
- (72) WANG, Ying  
JIAO, Bin
- (31) 201610663580  
(32) 12.08.2016  
(33) China
- 
- (51) H04W 36/00  
H04W 36/04  
H04W 36/28  
H04W 52/02  
H04W 72/04
- (11) EP3125612  
(21) EP15768871.4  
(47) 12.08.2020  
(87) JP2015052859  
01.10.2015  
(22) 02.02.2015  
(54) DEVICE  
(73) Sony Corporation  
(72) YOSHIZAWA, Atsushi  
(31) 2014061604  
(32) 25.03.2014  
(33) Japan
- 
- (51) H04W 36/00  
H04W 36/14  
H04W 60/06  
H04W 76/30  
H04W 76/32
- (11) EP3193528  
(21) EP16178573.8  
(47) 12.08.2020  
(22) 11.06.2009  
(54) METHOD AND DEVICE FOR DETACHING USER EQUIPMENT
- (73) Huawei Technologies Co., Ltd.  
(72) YU, Yijun  
ZHANG, Qian
- (31) 200810067876  
(32) 17.06.2008  
(33) China
- 
- (51) H04W 36/00  
H04W 36/28  
H04W 36/38
- (11) EP3297330  
(21) EP17165640.8  
(47) 12.08.2020  
(22) 17.05.2013  
(54) DATA FORWARDING METHOD, DEVICE, AND COMMUNICATIONS SYSTEM
- (73) Huawei Technologies Co., Ltd.  
(72) DAI, Mingzeng  
GUO, Yi  
ZENG, Qinghai  
ZHANG, Hongping
- (31) 201210155172  
(32) 18.05.2012  
(33) China
- 
- (51) H04W 36/00  
H04W 76/15
- (11) EP3100515  
(21) EP15742528.1  
(47) 12.08.2020  
(87) KR2015000789  
06.08.2015  
(22) 26.01.2015  
(54) METHODS AND APPARATUSES FOR UE MOBILITY IN A SMALL CELL SYSTEM
- (73) Samsung Electronics Co., Ltd.  
(72) XU, Lixiang  
KE, Xiaowan  
WANG, Hong
- (31) 201410041300  
201410851469  
(32) 28.01.2014  
31.12.2014  
(33) China  
China
- 
- (51) H04W 36/14  
H04W 36/18
- (11) EP3343979  
(21) EP16855736.1  
(47) 12.08.2020  
(87) KR2016011486  
20.04.2017  
(22) 13.10.2016  
(54) APPARATUS AND METHOD FOR PROVIDING DATA SERVICE USING HETEROGENEOUS NETWORK
- (73) Samsung Electronics Co., Ltd.  
(72) BAE, Jae-Hyeon  
PARK, Kyung-Mo  
SO, Young-Wan  
YANG, Hyun-Koo
- (31) 20150143121  
(32) 13.10.2015  
(33) Korea (Republic)
- 
- (51) H04W 40/20
- (11) EP3443777  
(21) EP17720607.5  
(47) 12.08.2020  
(87) US2017025671  
19.10.2017  
(22) 03.04.2017  
(54) HYBRID WIRELESS COMMUNICATION SYSTEM
- (73) Nokia of America Corporation  
(72) CALIN, Doru  
KAYA, Aliye  
VISWANATHAN, Harish
- (31) 201615130145  
(32) 15.04.2016  
(33) United States of America
- 
- (51) H04W 40/22  
H04W 40/24  
H04W 88/04  
H04W 88/06
- (11) EP3298826  
(21) EP15807658.8  
(47) 12.08.2020  
(87) EP2015079024  
24.11.2016  
(22) 08.12.2015
- (73) Fujitsu Limited  
(72) WEI, Xusheng  
MOULSLEY, Timothy
- 
- (51) H04W 48/00  
H04W 48/20
- (11) EP3456101  
(21) EP17795643.0  
(47) 12.08.2020  
(87) CN2017084293  
16.11.2017  
(22) 15.05.2017  
(54) SYSTEM AND METHOD OF CONFIGURABLE SEQUENCE USAGE FOR TRANSMISSION RECEPTION POINTS
- (73) Huawei Technologies Co., Ltd.  
(72) AU, Kelvin Kar Kin  
ZHANG, Liqing  
MA, Jianglei
- (31) 201662336225 P  
201715593948  
(32) 13.05.2016  
12.05.2017  
(33) United States of America  
United States of America
- 
- (51) H04W 48/16  
H04W 56/00
- (11) EP3562215  
(21) EP19179189.6  
(47) 12.08.2020  
(22) 10.03.2017  
(54) SYNCHRONIZATION AND BROADCAST SIGNAL DESIGN FOR 5G
- (73) FUJITSU LIMITED  
(72) WEI, Xusheng  
MOULSLEY, Timothy
- 
- (51) H04W 48/16  
H04W 84/12  
H04W 92/18  
H04W 76/15
- (11) EP3393195  
(21) EP16875571.8  
(47) 12.08.2020  
(87) JP2016086851
- (54) CONNECTIVITY MANAGEMENT MECHANISM FOR MULTI-HOP CAPILLARY NETWORKS
- (73) Telefonaktiebolaget LM Ericsson (publ)  
(72) NOVO DIAZ, Oscar  
BEIJAR, Nicklas
- (31) 201562163590 P  
(32) 19.05.2015  
(33) United States of America
- 
- (51) H04W 48/00
- (11) EP3169105  
(21) EP15194023.6  
(47) 12.08.2020  
(22) 11.11.2015  
(54) METHOD, MOBILE TERMINAL AND NETWORK ELEMENT FOR ESTABLISHING A COMMUNICATION CONNECTION, PREFERABLY AN IP AND/OR DATA CONNECTION, BETWEEN A MOBILE TERMINAL IN A MOBILE COMMUNICATION NETWORK AND A SERVICE PROVIDER IN A DATA COMMUNICATION NETWORK
- (73) Vodafone GmbH  
(72) Lu, Yang  
Wild, Peter  
Caldenhoven, Jürgen
- 
- (51) H04W 48/08  
H04W 48/20
- (11) EP3456101  
(21) EP17795643.0  
(47) 12.08.2020  
(87) CN2017084293  
16.11.2017  
(22) 15.05.2017  
(54) SYSTEM AND METHOD OF CONFIGURABLE SEQUENCE USAGE FOR TRANSMISSION RECEPTION POINTS
- (73) Huawei Technologies Co., Ltd.  
(72) AU, Kelvin Kar Kin  
ZHANG, Liqing  
MA, Jianglei
- (31) 201662336225 P  
201715593948  
(32) 13.05.2016  
12.05.2017  
(33) United States of America  
United States of America
- 
- (51) H04W 48/16  
H04W 56/00
- (11) EP3562215  
(21) EP19179189.6  
(47) 12.08.2020  
(22) 10.03.2017  
(54) SYNCHRONIZATION AND BROADCAST SIGNAL DESIGN FOR 5G
- (73) FUJITSU LIMITED  
(72) WEI, Xusheng  
MOULSLEY, Timothy
- 
- (51) H04W 48/16  
H04W 84/12  
H04W 92/18  
H04W 76/15
- (11) EP3393195  
(21) EP16875571.8  
(47) 12.08.2020  
(87) JP2016086851

22.06.2017	(11) EP3297371	(51) H04W 52/02
(22) 12.12.2016	(21) EP17181857.8	H04W 76/28
(54) INFORMATION PROCESSING DEVICE, NETWORK CONNECTION SYSTEM AND NETWORK CONNECTION METHOD	(47) 12.08.2020	(11) EP3437427
(73) Yamaha Corporation	(22) 31.05.2013	(21) EP17714692.5
(72) SUYAMA Akihiko	(54) INFORMATION TRANSMISSION METHOD, NETWORK DEVICE, AND USER EQUIPMENT	(47) 12.08.2020
MUSHIKABE Kazuya	(73) Huawei Technologies Co., Ltd.	(87) EP2017057317
TSUKADA Keisuke	(72) YU, Zheng	05.10.2017
(31) 2015243321	(51) H04W 52/02	(22) 28.03.2017
2016092283	H04W 74/02	(54) WIRELESS COMMUNICATIONS
(32) 14.12.2015	H04W 84/18	(73) Telefonaktiebolaget LM Ericsson (publ)
02.05.2016	G06F 1/3203	(72) WIKSTRÖM, Gustav
(33) Japan	G06F 1/3209	SAHLIN, Henrik
Japan	(11) EP2074490	ANDGART, Niklas
(51) H04W 48/18	(21) EP06821062.4	ENBUSKE, Henrik
H04W 88/06	(47) 12.08.2020	(31) 201662316686 P
H04W 76/15	(87) IB2006003598	(32) 01.04.2016
(11) EP2957134	17.04.2008	(33) United States of America
(21) EP14707276.3	(22) 13.10.2006	(51) H04W 52/02
(47) 12.08.2020	(54) A METHOD, APPARATUS OR COMPUTER PROGRAM FOR CHANGING FROM SCHEDULED TO UNSCHEDULED COMMUNICATION MODES	H04W 88/02
(87) US2014015719	(73) Nokia Technologies Oy	(11) EP3554148
21.08.2014	(72) ZECHLIN, Christian	(21) EP19176448.9
(22) 11.02.2014	PALNAU, Eugen	(47) 12.08.2020
(54) SYSTEMS AND METHOD FOR BT AMP AND WLAN CONCURRENCY	(51) H04W 52/02	(22) 16.09.2010
(73) Qualcomm Incorporated	H04W 76/15	(54) APPARATUS AND METHOD FOR REDUCING POWER CONSUMPTION IN PORTABLE TERMINAL
(72) KELLA, Leela Prasad	H04W 76/28	(73) Samsung Electronics Co., Ltd.
ANSARI, Imran	(11) EP3001725	(72) SONG, Hee-Jun
(31) 201313767805	(21) EP15184228.3	KIM, Kwang-Choon
(32) 14.02.2013	(47) 12.08.2020	KIM, Nam-Woo
(33) United States of America	(22) 08.09.2015	KWON, Sung
(51) H04W 48/20	(54) SECONDARY CELL STATE ACTIVATION AND DEACTIVATION OF GAPS	LEE, Yu-Jin
H04W 88/14	(73) Nokia Technologies Oy	(31) 20090087422
H04W 76/11	(72) DALSGAARD, Lars	20100041395
(11) EP3105974	ZHANG, Li	(32) 16.09.2009
(21) EP14704356.6	BECHTA, Kamil	03.05.2010
(47) 12.08.2020	(31) 201462056210 P	(33) Korea (Republic)
(87) EP2014052904	(32) 26.09.2014	Korea (Republic)
20.08.2015	(33) United States of America	(51) H04W 56/00
(22) 14.02.2014	(51) H04W 52/02	(11) EP2367386
(54) PCRF ASSISTED APN SELECTION	H04W 76/27	(21) EP10290131.1
(73) Telefonaktiebolaget LM Ericsson (publ)	(11) EP3219168	(47) 12.08.2020
(72) STENFELT, John	(21) EP15798299.2	(22) 12.03.2010
MATTSSON, Hans	(47) 12.08.2020	(54) Timing advance enhancements for cellular communications
(51) H04W 52/02	(87) US2015059742	(73) BlackBerry Limited
H04B 1/40	19.05.2016	(72) Hole, David Philip
(11) EP2965437	(22) 09.11.2015	Faurie, René
(21) EP14759965.8	(54) ENHANCED CONNECTION MANAGEMENT FOR MULTIPLE ACCESS NETWORKS	Borsella, Remo
(47) 12.08.2020	(73) Qualcomm Incorporated	Hanov, Steven Michael
(87) KR2014001671	(72) OZTURK, Ozcan	Kreuzer, Werner Karl
12.09.2014	WANG, Jun	Venkob, Satish
(22) 28.02.2014	DAMNJANOVIC, Aleksandar	(51) H04W 56/00
(54) MOBILE DEVICE FOR POWER REDUCTION AND METHOD THEREOF	VAJAPEYAM, Madhavan, Srinivasan	H04W 74/08
(73) Samsung Electronics Co., Ltd.	PATWARDHAN, Ravindra, Manohar	(11) EP3297386
(72) SONG, Seong-Wook	(31) 201462077637 P	(21) EP16793031.2
CHEON, Jin-Hee	201514935051	(47) 12.08.2020
CHONG, Da-Hae	(32) 06.11.2015	(87) KR2016005075
(31) 201361773402 P	(33) United States of America	17.11.2016
20130037600	United States of America	(22) 13.05.2016
(32) 06.03.2013	United States of America	(54) METHOD AND DEVICE FOR PERFORMING RANDOM ACCESS PROCESS IN UNLICENSED BAND
05.04.2013	United States of America	(73) LG Electronics Inc.
(33) United States of America	United States of America	(72) AHN, Joonkui
Korea (Republic)		KIM, Byoungsoon
(51) H04W 52/02		YANG, Suckchel
H04W 72/04		YI, Yunjung

KIM, Seonwook	(73) Telefonaktiebolaget LM Ericsson (publ)	(72) CHONG, Weiwei
(31) 201562161223 P	(72) LINDOFF, Bengt	WU, Xiaobo
201662288446 P	HAGERMAN, Bo	(51) H04W 72/12
201662313818 P	NORDSTRÖM, Fredrik	(11) EP3101969
(32) 13.05.2015	(51) H04W 72/04	(21) EP14880686.2
29.01.2016	H04W 76/50	(47) 12.08.2020
28.03.2016	(11) EP3386224	(87) CN2014085375
(33) United States of America	(21) EP15911114.5	06.08.2015
United States of America	(47) 12.08.2020	(22) 28.08.2014
United States of America	(87) CN2015098516	(54) A RESOURCE ALLOCATION
(51) H04W 68/00	29.06.2017	METHOD, APPARATUS, SYSTEM
(11) EP2926608	(22) 23.12.2015	AND COMPUTER STORAGE MEDIUM
(21) EP15730375.1	(54) DOWNLINK EMERGENCY SERVICE	THEREOF
(47) 12.08.2020	TRANSMISSION METHOD, BASE	(73) ZTE Corporation
(87) KR2015000336	STATION, AND USER EQUIPMENT	(72) CHEN, Lin
16.07.2015	AND SYSTEM	LI, Dapeng
(22) 13.01.2015	(73) Huawei Technologies Co., Ltd.	HUANG, Ying
(54) APPARATUS AND METHOD	(72) WANG, Xinzheng	WU, Shuanshuan
FOR PAGING IN WIRELESS	DENG, Tianle	(31) 201410043224
COMMUNICATION SYSTEM	(72) ZHOU, Kaijie	(32) 29.01.2014
(73) Samsung Electronics Co., Ltd.	(51) H04W 72/04	(33) China
(72) JEONG, Sang-Soo	H04W 84/18	(51) H04W 72/12
LEE, Jin-Uk	H04W 76/14	(11) EP3354098
CHO, Song-Yean	(11) EP2812712	(21) EP16778584.9
(31) 20140004248	(21) EP13754227.0	(47) 12.08.2020
(32) 13.01.2014	(47) 12.08.2020	(87) US2016053218
(33) Korea (Republic)	(87) US2013027437	30.03.2017
(51) H04W 72/02	06.09.2013	(22) 23.09.2016
H04W 72/12	(22) 22.02.2013	(54) CHANNEL CONFIGURATION FOR
H04W 74/00	(54) EQUIPMENT AND METHOD FOR	CO-EXISTENCE ON A SHARED
H04W 74/08	TIME RESOURCE ALLOCATION FOR	COMMUNICATION MEDIUM
(11) EP3393192	DEVICE-TO-DEVICE COMMUNICATION	(73) Qualcomm Incorporated
(21) EP16876050.2	OVERLAID ON A CELLULAR	(72) PATEL, Chirag Sureshbhai
(47) 12.08.2020	NETWORK	LUO, Tao
(87) KR2016014731	(73) Huawei Technologies Co., Ltd.	KADOUS, Tamer Adel
22.06.2017	(72) LIU, Deping	(31) 201562222867 P
(22) 15.12.2016	CLASSON, Brian	201615272125
(54) DEVICE AND METHOD FOR	DESAI, Vipul	(32) 24.09.2015
TRANSMITTING/RECEIVING DATA IN	SARTORI, Philippe	21.09.2016
WIRELESS COMMUNICATION SYSTEM	(31) 201213406455	(33) United States of America
(73) Samsung Electronics Co., Ltd.	(32) 27.02.2012	United States of America
(72) SON, Hyuk-Min	(33) United States of America	(51) H04W 74/00
YU, Hyun-Kyu	(51) H04W 72/04	(11) EP3335501
(31) 20150179549	H04W 92/20	(21) EP16742426.6
(32) 15.12.2015	H04B 7/024	(47) 12.08.2020
(33) Korea (Republic)	(11) EP3515151	(87) SE2016050612
(51) H04W 72/04	(21) EP19161517.8	23.02.2017
(11) EP3451772	(47) 12.08.2020	(22) 22.06.2016
(21) EP18200801.1	(22) 04.03.2013	(54) FIRST COMMUNICATION DEVICE AND
(47) 12.08.2020	(54) METHOD AND NETWORK NODE FOR	METHODS THEREIN, FOR SENDING
(22) 12.08.2008	PERFORMING A JOINT RECEPTION IN	ONE OR MORE CONTROL SIGNALS
(54) DOWNLINK MULTIPLEXING	A CELLULAR RADIO COMMUNICATION	TO A SECOND COMMUNICATION
(73) NEC Corporation	NETWORK	DEVICE
(72) AHLUWALIA, Jagdeep Singh	(73) Telefonaktiebolaget LM Ericsson (publ)	(73) Telefonaktiebolaget LM Ericsson (PUBL)
AWAD, Yassin Aden	(72) HESSLER, Martin	(72) MUKHERJEE, Amitav
(31) 0715822	FRÖBERG OLSSON, Jonas	KOORAPATY, Havish
(32) 14.08.2007	NAUCLÉR, Peter	CHENG, Jung-Fu
(33) United Kingdom	(51) H04W 72/10	(31) 201562205036 P
(51) H04W 72/04	H04W 76/10	(32) 14.08.2015
H04W 72/08	(11) EP3343994	(33) United States of America
(11) EP3097731	(21) EP15904519.4	(51) H04W 74/00
(21) EP14701340.3	(47) 12.08.2020	H04W 74/08
(47) 12.08.2020	(87) CN2015090843	(11) EP3565361
(87) EP2014051083	30.03.2017	(21) EP19181775.8
30.07.2015	(22) 25.09.2015	(47) 12.08.2020
(22) 21.01.2014	(54) SERVICE PROCESSING METHOD AND	(22) 25.10.2013
(54) SCHEDULING FOR HETEROGENEOUS	APPARATUS	(54) MAC PROTOCOL FOR DIRECTIVE
NETWORKS	(73) Huawei Technologies Co., Ltd.	TRANSMISSIONS

(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(87) US2016056651 20.04.2017	Aranda Vazquez, Sandra Llorente Gil, Sergio
(72) BALDEMAIR, Robert	(22) 12.10.2016	(31) 201331694
KRONANDER, Jonas	(54) PROTECTION METHODS FOR WIRELESS TRANSMISSIONS	(32) 21.11.2013
HUI, Dennis	(73) Newracom, Inc.	(33) Spain
BALACHANDRAN, Kumar	(72) LEE, Dae Won	(51) H05B 45/10
BRAHMI, Nadia	KWON, Young Hoon	H05B 45/14
(51) H04W 74/00	NOH, Yujin	H05B 45/37
H04W 74/08	MOON, Sungho	H05B 45/50
H04W 4/70	HEDAYAT, Ahmad Reza	H05B 47/185
(11) EP2592889	(31) 201562240419 P	(11) EP2936936
(21) EP12191744.7	201662331380 P	(21) EP13831887.8
(47) 12.08.2020	201662333077 P	(47) 12.08.2020
(22) 08.11.2012	201662333192 P	(87) AT2013000212
(54) METHOD OF HANDLING RESOURCE ALLOCATION FOR MTC AND RELATED COMMUNICATION DEVICE	(32) 12.10.2015	26.06.2014
(73) ACER INCORPORATED	03.05.2016	(22) 20.12.2013
(72) Lee, Chien-Min	06.05.2016	(54) DETECTION OF AN LED MODULE
(31) 201161556841 P	07.05.2016	(73) Tridonic GmbH & Co. KG
201161566019 P	(33) United States of America	(72) DÜNSER, Mathias
201213671526	United States of America	FINK, Jürgen
(32) 08.11.2011	United States of America	ONDRISEK, Thomas
02.12.2011	United States of America	MÜNDLE, Klaus
07.11.2012	(51) H04W 76/14	MARENT, Günter
(33) United States of America	(11) EP3367744	MITTERBACHER, Andre
United States of America	(21) EP18153524.6	(31) 102012224141
United States of America	(47) 12.08.2020	3982013 U
(51) H04W 74/08	(22) 25.01.2018	(32) 21.12.2012
(11) EP3200546	(54) DISPLAY APPARATUS AND OPERATING CHANNEL SETTING METHOD FOR DISPLAY APPARATUS	28.11.2013
(21) EP15844680.7	(73) Samsung Electronics Co., Ltd.	(33) Germany
(47) 12.08.2020	(72) KIM, Jin-ho	Austria
(87) CN2015076005	LIM, Kyeong-chaee	(51) H05B 45/10
31.03.2016	KIM, Deok-nam	H05B 45/37
(22) 07.04.2015	(31) 20170026475	(11) EP3525553
(54) CARRIER RESOURCE PROCESSING METHOD AND DEVICE FOR UNLICENSED CARRIERS, AND TRANSMISSION NODE	(32) 28.02.2017	(21) EP19155381.7
(73) ZTE Corporation	(33) Korea (Republic)	(47) 12.08.2020
(72) YANG, Weiwei	(51) H04W 76/27	(22) 04.02.2019
DAI, Bo	(11) EP3544368	(54) CONTROL DEVICE FOR LIGHT EMITTING ELEMENT, CONTROL METHOD FOR LIGHT EMITTING ELEMENT, LIGHTING APPARATUS
LIANG, Chunli	(21) EP18189411.4	(73) STANLEY ELECTRIC CO., LTD.
LU, Zhaohua	(47) 12.08.2020	(72) YOKOBORI, Toshio
(31) 201410498625	(22) 16.08.2018	(31) 2018020352
(32) 25.09.2014	(54) DEVICE AND METHOD FOR HANDLING A BEARER TYPE CHANGE FOR A RADIO BEARER	(32) 07.02.2018
(33) China	(73) HTC Corporation	(33) Japan
(51) H04W 74/08	(72) WU, Chih-Hsiang	(51) H05B 45/10
(11) EP3533281	(31) 201762547085 P	H05B 47/10
(21) EP18799610.3	201762547079 P	(11) EP2701463
(47) 12.08.2020	201762566331 P	(21) EP13181100.2
(87) SE2018051113	201762566332 P	(47) 12.08.2020
23.05.2019	(32) 17.08.2017	(22) 20.08.2013
(22) 30.10.2018	17.08.2017	(54) Load system having a control element powered by a control signal
(54) METHODS AND DEVICES FOR RANDOM ACCESS	30.09.2017	(73) IDEAL INDUSTRIES LIGHTING LLC
(73) Telefonaktiebolaget LM Ericsson (publ)	(33) United States of America	(72) Fortini, Alessandro
(72) CHRISTOFFERSSON, Jan	United States of America	Deschenes, Pierre
LIU, Jinhua	United States of America	Bendtsen, Andrew Dan
WANG, Min	United States of America	(31) 201213589692
(31) PCT/CN2017/111100	(51) H05B 6/12	(32) 20.08.2012
(32) 15.11.2017	(11) EP2876975	(33) United States of America
(33) World Intellectual Property Office (WIPO)	(21) EP14192594.1	(51) H05B 47/105
(51) H04W 74/08	(47) 12.08.2020	(11) EP3089559
H04W 84/12	(22) 11.11.2014	(21) EP16164304.4
(11) EP3363140	(54) Cooking device	(47) 12.08.2020
(21) EP16856117.3	(73) BSH Hausgeräte GmbH	(22) 07.04.2016
(47) 12.08.2020	(72) Acero Acero, Jesus	(54) DYNAMIC PATHLIGHT BRIGHTNESS BASED ON SIZE AND DISTANCE OF

MOTION/OBJECT APPROACHING THE DEVICE	(31) 102016224083 (32) 02.12.2016 (33) Germany	(73) Microsoft Technology Licensing, LLC (72) MYRAH, Michael G. EASON, Matthew J.
(73) Google LLC		(31) 201414524096 (32) 27.10.2014 (33) United States of America
(72) HERMAN, Kenneth Louis JAMES, Bryan MODI, Yash RABB, Laura LAMMERS, Michael PUROHIT, Aveek Ravishekhar DIXON, Michael IYER, Shankaranand Swaminathan	(51) H05K 5/00 H05K 7/14 (11) EP3364734 (21) EP18157218.1 (47) 12.08.2020 (22) 16.02.2018 (54) ENHANCED HOUSING FOR AN ELECTRIC POWER SUPPLY CONVERTER FOR AN ENGINE OF A GUIDED VEHICLE	(51) H05K 13/02 H05K 13/04 (11) EP2978295 (21) EP13879076.1 (47) 12.08.2020 (87) JP2013058140 25.09.2014 (22) 21.03.2013 (54) TAPE FEEDER (73) FUJI Corporation (72) KUNIHIRO Tsutomu
(31) 201514683420 (32) 10.04.2015 (33) United States of America	(73) ALSTOM Transport Technologies (72) DELVAL, Damien (31) 1751290 (32) 17.02.2017 (33) France	(51) H05K 13/02 H05K 13/04 (11) EP3307040 (21) EP15894885.1 (47) 12.08.2020 (87) JP2015066509 15.12.2016 (22) 08.06.2015 (54) DEVICE FOR HOLDING TOOL FOR COMPONENT FEEDING (73) FUJI Corporation (72) IKEDA, Mitsutoshi YAMAZAKI, Atsushi
(51) H05B 47/19 (11) EP3182807 (21) EP16200531.8 (47) 12.08.2020 (22) 30.01.2013 (54) REMOTE CONTROL OF LIGHT SOURCE	(51) H05K 7/14 (11) EP3457826 (21) EP18166106.7 (47) 12.08.2020 (22) 06.04.2018 (54) RACK SYSTEM AND SLIDE RAIL ASSEMBLY THEREOF	(22) 08.06.2015 (54) DEVICE FOR HOLDING TOOL FOR COMPONENT FEEDING (73) FUJI Corporation (72) IKEDA, Mitsutoshi YAMAZAKI, Atsushi
(73) Signify Holding B.V. (72) VAN DE SLUIS, Bartel Marinus CUPPEN, Roel Peter Geert	(73) King Slide Works Co., Ltd. King Slide Technology Co., Ltd. (72) CHEN, Ken-Ching YANG, Shun-Ho GUO, Mei-Zuo WANG, Chun-Chiang	(51) H05K 13/02 H05K 13/04 H05K 13/08 (11) EP3261422 (21) EP15882542.2 (47) 12.08.2020 (87) JP2015054155 25.08.2016 (22) 16.02.2015 (54) MOUNTING MANAGEMENT DEVICE (73) FUJI Corporation (72) IISAKA, Jun
(31) 201261597858 P (32) 13.02.2012 (33) United States of America	(72) CHEN, Ken-Ching YANG, Shun-Ho GUO, Mei-Zuo WANG, Chun-Chiang	(51) H05K 13/08 (11) EP2989872 (21) EP14724333.1 (47) 12.08.2020 (87) EP2014058352 30.10.2014 (22) 24.04.2014 (54) PLACEMENT APPARATUS AND PLACEMENT METHOD (73) Finetech GmbH & Co. KG (72) WINKLER, Matthias KOCH, Michael (31) 102013207598 (32) 25.04.2013 (33) Germany
(51) H05K 1/14 H05K 1/18 F21S 4/22 (11) EP3502544 (21) EP16913243.8 (47) 12.08.2020 (87) CN2016095955 22.02.2018 (22) 19.08.2016 (54) PROCESSING TECHNIQUE FOR EXTRUDED SILICONE RUBBER FLEXIBLE LIGHT STRIP	(31) 106132001 (32) 15.09.2017 (33) Taiwan, Province of China (51) H05K 7/14 (11) EP3582596 (21) EP18178053.7 (47) 12.08.2020 (22) 15.06.2018 (54) CASE OF ELECTRONIC DEVICE	(51) H05K 13/08 (11) EP2989872 (21) EP14724333.1 (47) 12.08.2020 (87) EP2014058352 30.10.2014 (22) 24.04.2014 (54) PLACEMENT APPARATUS AND PLACEMENT METHOD (73) Finetech GmbH & Co. KG (72) WINKLER, Matthias KOCH, Michael (31) 102013207598 (32) 25.04.2013 (33) Germany
(73) Blueview Elec-Optic Tech Co., Ltd (72) LI, Zhongxun (31) 201610681633 (32) 18.08.2016 (33) China	(73) SICK AG (72) Saumer, Markus	(51) H05K 7/20 (11) EP3095308 (21) EP15703120.4 (47) 12.08.2020 (87) SE2015050011 23.07.2015 (22) 12.01.2015 (54) CABINET FOR ELECTRONIC EQUIPMENT
(51) H05K 3/36 (11) EP3243365 (21) EP16700948.9 (47) 12.08.2020 (87) EP2016050064 14.07.2016 (22) 05.01.2016 (54) TILED DISPLAY	(51) H05K 7/20 (11) EP3213611 (21) EP15795261.5 (47) 12.08.2020 (87) US2015057271 06.05.2016 (22) 26.10.2015 (54) DATA CENTER PRESSURE ANOMALY DETECTION AND REMEDIATION	
(73) Barco N.V. (72) MEERSMAN, Karim ADAMS, Greet	(73) Telefonaktiebolaget LM Ericsson (publ) (72) LAVIE, Fabien BIZON-SAMOS, Francis RODERMANN, Matthias	
(31) 201500073 (32) 05.01.2015 (33) United Kingdom	(31) 201461928777 P (32) 17.01.2014 (33) United States of America	
(51) H05K 5/00 (11) EP3549414 (21) EP17764542.1 (47) 12.08.2020 (87) EP2017072188 07.06.2018 (22) 05.09.2017 (54) ELECTRICAL ASSEMBLY	(51) H05K 7/20 (11) EP3213611 (21) EP15795261.5 (47) 12.08.2020 (87) US2015057271 06.05.2016 (22) 26.10.2015 (54) DATA CENTER PRESSURE ANOMALY DETECTION AND REMEDIATION	
(73) Robert Bosch GmbH (72) MOELLER, Stefan		

## 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) A01B 35/24 A01C 5/06 A01D 80/02	(54) METHOD TO IMPROVE CROP YIELD AND/OR STRESS RESISTANCE	(74) ir. F.A. Geurts c.s. (31) 1554699
(11) EP3175690	(73) Biolumic Limited	(32) 26.05.2015
(21) EP16197432.4	(72) WARGENT, Jason John	(33) France
(22) 04.11.2016	(74) ir. M.F.J.M. Ketelaars c.s.	(47) 06.05.2020
(54) ATTACHMENT FOR STRAW HARROW	(31) 62248214	(51) A01K 67/027
(73) Wallner, Klaus	(32) 14.03.2014	C07K 16/00
(72) Wallner, Klaus	(33) New Zealand	C12N 15/85
(74) dr. W.A.H.M. Van Borm	(47) 06.05.2020	(11) EP2931030
(31) 202015105952 U	(51) A01G 7/06	(21) EP13843056.6
(32) 06.11.2015	C02F 1/46	(22) 13.12.2013
(33) Germany	C02F 1/461	(54) POLYNUCLEOTIDES ENCODING
(47) 06.05.2020	A01G 31/00	RODENT ANTIBODIES WITH
(51) A01B 63/118	(11) EP3190091	HUMAN IDIOTYPES AND ANIMALS
A01B 69/00	(21) EP15838641.7	COMPRISING SAME
A01B 69/04	(22) 26.08.2015	(73) Open Monoclonal Technology, Inc.
A01B 71/06	(54) AGRICULTURAL ELECTROLYZED	(72) BRUGGEMANN, Marianne
A01D 41/127	WATER-GENERATING APPARATUS	BUELOW, Roland
(11) EP3057398	(73) Nihon Trim Co., Ltd.	OSBORN, Michael, J.
(21) EP14789489.3	National University Corporation Kochi	MA, Biao
(22) 14.10.2014	University	(74) ir. W.J.J.M. Kempes
(54) AUTONOMOUS SYSTEMS, METHODS, AND APPARATUS FOR AGRICULTURAL OPERATIONS	(72) ISHIKAWA, Katsumi	(31) 201261737371 P
(73) Kinze Manufacturing, Inc.	AMENOMORI, Daiji	(32) 14.12.2012
(72) BLACKWELL, Robert	HAMAUZU, Yasuomi	(33) United States of America
SCHILDROTH, Rhett	(74) drs. P.F.H.M. van Someren c.s.	(47) 29.04.2020
MYERS, Michael J.	(31) 2014177031	(51) A01K 67/033
ROLFFS, Merlan J.	(32) 01.09.2014	A01N 25/00
BECKER, Derrick	(33) Japan	A01P 7/02
(74) Y.R. Hernandez	(47) 13.05.2020	A01N 63/00
(31) 201361890653 P	(51) A01J 5/007	(11) EP3326463
(32) 14.10.2013	A01J 7/02	(21) EP18151615.4
(33) United States of America	(11) EP3379925	(22) 09.02.2016
(47) 08.07.2020	(21) EP16801605.3	(54) MITE COMPOSITION AND ITS USE AS
(51) A01B 69/00	(22) 07.11.2016	BIOLOGICAL CONTROL AGENT
A01B 79/00	(54) SYSTEM FOR EVALUATING A	(73) Agrobio S.L.
A01D 41/127	CLEANING PROCESS IN RESPECT	(72) GRIFFITHS, Dr., Donald Alister
(11) EP3378299	OF A MILK TRANSPORTING CONDUIT	VILA RIFÀ, Enrique
(21) EP18401027.0	STRUCTURE	(74) ir. F.A. Geurts c.s.
(22) 12.03.2018	(73) DeLaval Holding AB	(31) 15154397
(54) AGRICULTURAL TERMINAL	(72) ENICKL, Jörgen	15154668
(73) Amazonen-Werke H. Dreyer GmbH & Co. KG	LANDHOLM, Kim	(32) 09.02.2015
(72) Sia, Tim-Randy	WESTMAN, Anders	11.02.2015
Kühn, Christoph	(74) dr. W.A.H.M. Van Borm	(33) European Patent Office (EPO)
Konermann, Thomas	(31) 1551540	European Patent Office (EPO)
Käller, Michael	(32) 27.11.2015	(47) 27.05.2020
(74) ir. M.F.J.M. Ketelaars c.s.	(33) Sweden	(51) A01N 1/02
(31) 102017105490	(47) 17.06.2020	B01L 7/00
(32) 15.03.2017	(51) A01K 1/00	(11) EP2914104
(33) Germany	F24F 7/02	(21) EP13844536.6
(47) 13.05.2020	F24F 13/12	(22) 31.10.2013
(51) A01G 7/04	(11) EP3302038	(54) METHOD AND DEVICE FOR THAWING
(11) EP3116296	(21) EP16729207.7	BIOLOGICAL MATERIAL
(21) EP15761440.5	(22) 26.05.2016	(73) Pluristem Ltd.
(22) 16.03.2015	(54) DEVICE FOR DIFFUSING AIR INSIDE A	(72) KARNIELI, Ohad
	ROOM, NOTABLY A BREEDING ROOM,	SLONIM, Tal
	OF A BUILDING	RAVIV, Lior
	(73) Rosavel	GROSS, Nufar
	(72) LOAËC, Michel	(74) ir. H.A. Witmans c.s.
	LOAËC, Louis-Guillaume	(31) 201261720552 P



(32) 31.10.2012	16150491	(72) RAMM, Alexander
(33) United States of America	(32) 02.10.2015	DROEGE, Falko
(47) 29.04.2020	07.01.2016	(74) ir. A.R. Aalbers
(51) A01N 25/06	(33) European Patent Office (EPO)	(31) 202016102463 U
A61L 2/18	European Patent Office (EPO)	(32) 09.05.2016
A61L 2/22	(47) 06.05.2020	(33) Germany
A61L 9/14	(51) A01N 51/00	(47) 13.05.2020
B08B 7/00	A61P 25/00	(51) A21C 3/02
C12N 1/20	C07D 231/14	(11) EP2510791
A01N 63/00	C07D 295/033	(21) EP12160579.4
(11) EP2863959	(11) EP3206493	(22) 21.03.2012
(21) EP13735184.7	(21) EP15851053.7	(54) Device for forming a sheet of dough from supplied dough portions
(22) 19.06.2013	(22) 16.10.2015	(73) WP Kemper GmbH
(54) METHOD FOR REMOVING PARTICULATE MATTER IN INDOOR ENVIRONMENTS	(54) COMPOSITIONS AND METHODS FOR TREATING CNS DISORDERS	(72) Engelmeier, Christian
(73) Living Technologies, coöperatieve vennootschap met beperkte aansprakelijkheid	(73) Sage Therapeutics, Inc.	(74) ir. J.C. Volmer c.s.
De Koster, Koen	(72) MARTINEZ BOTELLA, Gabriel	(31) 102011007294
Willocx, Filip	SALITURO, Francesco G.	(32) 13.04.2011
(72) DE KOSTER, Koen	ROBICHAUD, Albert Jean	(33) Germany
WILLOCX, Filip	HARRISON, Boyd L.	(47) 03.06.2020
(31) PCT/BE2012/000030	(74) ir. M.F.J.M. Ketelaars c.s.	(51) A21D 2/00
(32) 21.06.2012	(31) 201462064957 P	A21D 8/04
(33) World Intellectual Property Office (WIPO)	(32) 16.10.2014	C11D 3/386
(47) 15.07.2020	(33) United States of America	C12N 9/98
(51) A01N 43/42	(47) 06.05.2020	A23L 29/212
A61K 31/44	(51) A01P 3/00	A23P 10/40
A61P 23/00	A01P 21/00	A23P 10/47
(11) EP3045043	C05G 3/02	(11) EP3244744
(21) EP16158311.7	A01N 63/00	(21) EP15702309.4
(22) 26.02.2010	(11) EP2914113	(22) 13.01.2015
(54) EXTENDED RELEASE ORAL PHARMACEUTICAL COMPOSITIONS OF 3-HYDROXY-N- METHYLMORPHINAN AND METHOD OF USE	(21) EP13792758.8	(54) MATERIAL FOR DE-DUSTING GRANULAR ENZYME PREPARATIONS
(73) Relmada Therapeutics, Inc.	(22) 30.10.2013	(73) Mauri Technology B.V.
(72) BABUL, Najib	(54) BACTERIAL COMPOSITION FOR IMPROVING PLANT GROWTH	(72) KARREMANS, Adrianus Rutgerus Antonius
(74) ir. M.F.J.M. Ketelaars c.s.	(73) Danstar Ferment AG	VAN OORT, Martinus Gerardus
(31) 202447 P	(72) COR, Olivier	(74) ir. H.A. Witmans c.s.
272650 P	SANCHEZ, Bruno	(47) 27.05.2020
265884 P	(74) ir. W.J.J.M. Kempes	(51) A21D 8/04
(32) 26.02.2009	(31) 1260339	A23F 3/16
14.10.2009	(32) 30.10.2012	A23G 1/42
02.12.2009	(33) France	A23G 3/36
(33) United States of America	(47) 06.05.2020	A61K 35/00
United States of America	(51) A01P 21/00	C12N 1/00
United States of America	A01N 63/00	C12R 1/23
(47) 29.04.2020	(11) EP3311669	C12R 1/25
(51) A01N 43/82	(21) EP16195145.4	A61K 35/747
C07D 271/06	(22) 21.10.2016	A23L 23/00
C07D 413/04	(54) NOVEL PLANT-GROWTH PROMOTING BACTERIA AND THE USE THEREOF	A23L 33/135
C07D 413/12	(73) DCM De Ceuster Meststoffen NV	(11) EP3237600
C07D 417/12	Nederlands Instituut voor Ecologie van de Koninklijke Nederlandse Akademie van Wetenschappen (NIOO-KNAW)	(21) EP15846869.4
(11) EP3356358	(72) Cordovez da Cunha, Viviane	(22) 30.09.2015
(21) EP16774508.2	Hanssen, Inge	(54) THERMO-STABLE STRAINS, PRODUCTS AND METHODS THEREOF
(22) 29.09.2016	De Ceuster, Tom Jozef Justine	(73) Triphase Pharmaceuticals Pvt. Ltd.
(54) MICROBIOCIDAL OXADIAZOLE DERIVATIVES	Carrion-Bravo, Victor Jose	(72) ADITYA, Desiraju
(73) Syngenta Participations AG	Raaijmakers, Josephus Maria	SHRILAKSHMI, Desiraju
(72) STIERLI, Daniel	(74) drs. P.F.H.M. van Someren c.s.	IRFANULLA, Sharieff
HOFFMAN, Thomas, James	(47) 10.06.2020	ABHILASH, Prakash
BEAUDEGNIES, Renaud	(51) A21B 3/07	(74) ir. W.J.J.M. Kempes
POULIOT, Martin	(11) EP3454661	(31) 4978CH2014
(74) ir. W.J.J.M. Kempes	(21) EP17724508.1	(32) 01.10.2014
(31) 15188238	(22) 05.05.2017	(33) India
	(54) DEVICE FOR THE HEAT TREATMENT OF FOOD PRODUCTS, COMPRISING CHARGING TROLLEYS	(47) 29.04.2020
	(73) Wiesheu GmbH	(51) A22C 7/00
		B65B 23/12
		B65B 25/08
		B65B 35/00

(11) EP3138407	(33) European Patent Office (EPO)	(47) 13.05.2020
(21) EP16191413.0	(47) 29.04.2020	(51) A24D 3/16
(22) 19.01.2012	(51) A23G 3/34	C01B 32/318
(54) FOOD PRODUCTION LINE	A23G 3/42	C01B 32/384
(73) GEA Food Solutions Bakel B.V.	A23G 3/54	(11) EP2231517
(72) VAN GERWEN, Hendrikus Petrus Gerardus	(11) EP3520622	(21) EP08861149.6
(74) ir. W.J.J.M. Kempes	(21) EP18154484.2	(22) 18.12.2008
(31) 11000571	(22) 31.01.2018	(54) ACTIVATED CARBON FROM MICROCRYSTALLINE CELLULOSE
(32) 25.01.2011	(73) Müller-Vivil, Alexander	(73) Philip Morris Products S.A.
(33) European Patent Office (EPO)	(72) Müller-Vivil, Alexander	(72) KARLES, Georgios, D. ZHUANG, Shuzhong
(47) 29.04.2020	(74) J.M.H. Duyver lic.	(74) dr. W.A.H.M. Van Borm
(51) A23B 4/015	(47) 13.05.2020	(31) 2774
A23B 5/015	(51) A23L 33/17	(32) 19.12.2007
A23B 7/015	(11) EP3240436	(33) United States of America
A23B 7/14	(21) EP15830827.0	(47) 24.06.2020
A23B 7/16	(22) 30.12.2015	(51) A24F 47/00
H05H 1/24	(54) COMPOSITION CONTAINING CHITIN AND DIGESTIBLE PROTEINS	(11) EP3253239
(11) EP3166413	(73) Ynsect	(21) EP16703310.9
(21) EP15728190.8	(72) ARMENJON, Benjamin	(22) 05.02.2016
(22) 22.04.2015	BEREZINA, Nathalie	(54) CONTAINERS FOR AEROSOL-GENERATING DEVICES
(54) PROCESS FOR THE TREATMENT OF BIOLOGICAL MATERIAL	LAURENT, Sophie	(73) Philip Morris Products S.A.
(73) Hoefnagels, Johannes Adrianus Maria	HUBERT, Antoine	(72) BESSO, Clement
(72) Hoefnagels, Johannes Adrianus Maria	SOCOLSKY, Cecilia	BUEHLER, Frederic Ulysse
(74) ir. H.A. Witmans c.s.	SANCHEZ, Lorena	LAVANANT, Laurent
(31) 2013151	(74) ir. W.J.J.M. Kempes	(74) dr. W.A.H.M. Van Borm
PCT/NL2014/050744	(31) 1463512	(31) 15154224
(32) 08.07.2014	1560013	(32) 06.02.2015
28.10.2014	(32) 31.12.2014	(33) European Patent Office (EPO)
(33) Netherlands	20.10.2015	(47) 24.06.2020
World Intellectual Property Office (WIPO)	(33) France	(51) A41B 1/16
(47) 13.05.2020	France	A41B 3/00
(51) A23B 7/16	(47) 13.05.2020	(11) EP3373756
(11) EP1848284	(51) A24B 15/12	(21) EP17760447.7
(21) EP05852984.3	A24B 15/28	(22) 01.02.2017
(22) 01.12.2005	A24B 15/16	(54) EXPANDABLE AND FLEXIBLE SHIRT COLLAR STAND AND SHIRT WITH SAME
(54) PROCESS FOR PREPARING REDUCED FAT FROZEN POTATO STRIPS	(11) EP3500114	(73) Talon Technologies Inc.
(73) Lamb Weston, Inc.	(21) EP17749734.4	(72) ROUP, Herman
(72) SLOAN, Jerry L.	(22) 10.08.2017	(74) ir. M.F.J.M. Ketelaars c.s.
(74) ir. F.A. Geurts c.s.	(54) AEROSOL-GENERATING ARTICLE HAVING NOVEL TOBACCO SUBSTRATE	(31) 201662301075 P
(31) 53031	(73) Philip Morris Products S.A.	(32) 29.02.2016
(32) 07.02.2005	(72) LANG, Gerhard	(33) United States of America
(33) United States of America	(74) dr. W.A.H.M. Van Borm	(47) 20.05.2020
(47) 20.05.2020	(31) 16184585	(51) A41D 13/12
(51) A23C 9/123	(32) 17.08.2016	(11) EP3451864
A61P 1/14	(33) European Patent Office (EPO)	(21) EP17723592.6
A61P 1/16	(47) 24.06.2020	(22) 03.05.2017
C12R 1/245	(51) A24D 1/02	(54) DISPOSABLE SURGICAL GOWN
A61K 35/747	A24D 1/00	(73) O&M Halyard International Unlimited Company
A23L 33/00	(11) EP3457874	(72) JASCOMB, Jerald T.
A23L 33/135	(21) EP17728783.6	(74) J.M.H. Duyver lic.
(11) EP3387156	(22) 19.05.2017	(31) 201662331641 P
(21) EP16820182.0	(54) ARTICLE FOR USE IN APPARATUS FOR HEATING SMOKABLE MATERIAL	(32) 04.05.2016
(22) 09.12.2016	(73) British American Tobacco (Investments) Limited	(33) United States of America
(54) LACTOBACILLUS CASEI FOR TREATING OBESITY AND ASSOCIATED METABOLIC DISORDERS	(72) ENGLAND, Will	(47) 01.07.2020
(73) PrecisionBiotics Group Limited	WOODMAN, Tom	(51) A44B 11/12
(72) KIELY, Barry	PHILLIPS, Jeremy	B25B 25/00
MURPHY, Eileen Frances	GOMEZ, Pablo Javier Ballesteros	B60P 7/08
HEALY, Selena	(74) ir. W.J.J.M. Kempes	(11) EP2978635
(74) ir. J.C. Volmer c.s.	(31) 201608928	(21) EP14773630.0
(31) 15199657	(32) 20.05.2016	(22) 26.03.2014
(32) 11.12.2015	(33) United Kingdom	

(54) DEVICE FOR FASTENING A LOAD STRAP	(74) ir. W.J.J.M. Kempes (47) 29.04.2020	(54) TOASTER (73) Hameur S.A. (72) LAZZER, Jean-Pierre (74) J.M.H. Duyver lic. (31) 0951142 (32) 23.02.2009 (33) France (47) 13.05.2020
(73) Takkinen, Esa (72) Takkinen, Esa (74) ir. A.R. Aalbers (31) 20135297 (32) 27.03.2013 (33) Finland (47) 06.05.2020	(51) A47C 27/08 B29C 65/04 B29L 22/02 B32B 3/08 B32B 3/26 B32B 5/02 B32B 5/24 B32B 7/12 B32B 27/06 B32B 29/00 (11) EP3269533 (21) EP17185649.5 (22) 25.11.2014 (54) WELDING PROCESS FOR PRODUCING AN INFLATABLE PRODUCT	(51) A47L 11/30 A47L 11/40 B25G 1/04 (11) EP3449795 (21) EP18181281.9 (22) 02.07.2018 (54) SURFACES MACHINING APPARATUS (73) Hawig Maschinenfabrik Gesellschaft mit beschränkter Haftung (72) Franke, Rudolf (74) ir. F.A. Geurts c.s. (31) 102017212873 (32) 26.07.2017 (33) Germany (47) 13.05.2020
(51) A44B 18/00 A61F 13/15 A61F 13/62 B29C 65/08 B29C 65/78 B29L 31/48 (11) EP3408067 (21) EP17700593.1 (22) 11.01.2017 (54) METHOD FOR MANUFACTURING CLOSING SYSTEMS FOR HYGIENE ARTICLES, IN PARTICULAR DIAPER CLOSING SYSTEMS	(73) Intex Recreation Corporation (72) LIN, Hua Hsiang HSU, Yaw Yuan (74) ir. M.F.J.M. Ketelaars c.s. (31) 201310598878 (32) 25.11.2013 (33) China (47) 06.05.2020	(51) A47L 11/40 G05D 1/02 (11) EP3581083 (21) EP19179817.2 (22) 12.06.2019 (54) CLEANING SYSTEM COMPRISING SUPPLY ROBOT AND CLEANING SATELLITES AND METHOD FOR CLEANING (73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (72) Hesse, Max Boye, André (74) dr. W.A.H.M. Van Borm (31) 102018114476 (32) 15.06.2018 (33) Germany (47) 20.05.2020
(73) Gottlieb Binder GmbH & Co. KG (72) TUMA, Jan (74) ir. J.C. Volmer c.s. (31) 102016000756 (32) 25.01.2016 (33) Germany (47) 27.05.2020	(51) A47F 5/10 A47F 11/00 E04B 5/28 (11) EP3311709 (21) EP17197442.1 (22) 20.10.2017 (54) FURNITURE SYSTEM MADE OF CONSTRUCTION ELEMENTS	(51) A47L 11/40 G05D 1/02 (11) EP3581083 (21) EP19179817.2 (22) 12.06.2019 (54) CLEANING SYSTEM COMPRISING SUPPLY ROBOT AND CLEANING SATELLITES AND METHOD FOR CLEANING (73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (72) Hesse, Max Boye, André (74) dr. W.A.H.M. Van Borm (31) 102018114476 (32) 15.06.2018 (33) Germany (47) 20.05.2020
(51) A47B 88/57 A47B 88/906 (11) EP3491970 (21) EP18207967.3 (22) 23.11.2018 (54) SHELF BOX (73) Sortimo International GmbH (72) STREHLE, Ludwig (74) ir. M.F.J.M. Ketelaars c.s. (31) 102017128562 (32) 01.12.2017 (33) Germany (47) 03.06.2020	(51) A47F 5/10 A47F 11/00 E04B 5/28 (11) EP3311709 (21) EP17197442.1 (22) 20.10.2017 (54) FURNITURE SYSTEM MADE OF CONSTRUCTION ELEMENTS (73) Bulthaup GmbH & Co. KG (72) ECKERT, Marc Oliver RIEGER, Roger Paul BAUER, Stefan (74) ir. M.F.J.M. Ketelaars c.s. (31) 102016012633 (32) 21.10.2016 (33) Germany (47) 03.06.2020	(51) A47L 11/40 G05D 1/02 (11) EP3581083 (21) EP19179817.2 (22) 12.06.2019 (54) CLEANING SYSTEM COMPRISING SUPPLY ROBOT AND CLEANING SATELLITES AND METHOD FOR CLEANING (73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (72) Hesse, Max Boye, André (74) dr. W.A.H.M. Van Borm (31) 102018114476 (32) 15.06.2018 (33) Germany (47) 20.05.2020
(51) A47B 88/969 (11) EP3491971 (21) EP18199702.4 (22) 10.10.2018 (54) DRAWER INSERT (73) Agoform GmbH (72) Ottensmeyer, Jan (74) ir. A. Blokland c.s. (31) 202017107234 U (32) 29.11.2017 (33) Germany (47) 22.07.2020	(51) A47J 31/44 (11) EP3410904 (21) EP17704688.5 (22) 02.02.2017 (54) DISPENSING GROUP FOR AN ESPRESSO COFFEE MACHINE WITH FRONTAL INSERTION OF THE FILTER HOLDER (73) La Marzocco S.r.l. (72) BAKKE, Kent BIANCHI, Roberto GATTI, Riccardo KEMPEN, Anke VERBERKMOES, Eric BEEKHUIS, Houdijn WILMING, Maarten (74) ir. A. Blokland c.s. (31) UB20160433 (32) 03.02.2016 (33) Italy (47) 29.04.2020	(51) A61B 1/00 A61B 1/018 A61B 17/32 (11) EP3200672 (21) EP15778840.7 (22) 29.09.2015 (54) ENDOSCOPE INCLUDING A TORQUE GENERATION COMPONENT OR TORQUE DELIVERY COMPONENT DISPOSED WITHIN AN INSERTABLE PORTION OF THE ENDOSCOPE AND A SURGICAL CUTTING ASSEMBLY INSERTABLE WITHIN THE ENDOSCOPE (73) Interscope, Inc. (72) FURLONG, Cosme MARCOUX, Michael W. WISDOM, Richard Stephen REBH, JR., William R. COSTA, Evan EVANS, Stephen C. (74) ir. J.D. de Zeeuw (31) 201414501942 (32) 30.09.2014 (33) United States of America (47) 20.05.2020
(51) A47C 9/02 A61F 5/01 A61H 3/00 (11) EP3318241 (21) EP16197787.1 (22) 08.11.2016 (54) WEARABLE SITTING POSTURE ASSISTING DEVICE (73) noonee AG (72) GUNURA, Keith VAFI, Daniel JERGEN, Robin HUTTER, Simon HUWYLER, Willy	(51) A47J 37/08 (11) EP2398364 (21) EP10709887.3 (22) 19.02.2010	(51) A61B 1/00 A61B 1/018 A61B 17/32 (11) EP3200672 (21) EP15778840.7 (22) 29.09.2015 (54) ENDOSCOPE INCLUDING A TORQUE GENERATION COMPONENT OR TORQUE DELIVERY COMPONENT DISPOSED WITHIN AN INSERTABLE PORTION OF THE ENDOSCOPE AND A SURGICAL CUTTING ASSEMBLY INSERTABLE WITHIN THE ENDOSCOPE (73) Interscope, Inc. (72) FURLONG, Cosme MARCOUX, Michael W. WISDOM, Richard Stephen REBH, JR., William R. COSTA, Evan EVANS, Stephen C. (74) ir. J.D. de Zeeuw (31) 201414501942 (32) 30.09.2014 (33) United States of America (47) 20.05.2020

<p>A61B 8/00                  (11) EP3072438                  (21) EP16162619.7                  (22) 29.03.2016                  (54) PROTECTIVE COVER SET FOR A MEDICAL PROBE                  (73) Parker Laboratories, Inc.                  (72) BUCHALTER, Neil                  (74) J.M.H. Duyver lic.                  (31) 201562139144 P                  (32) 27.03.2015                  (33) United States of America                  (47) 06.05.2020</p> <hr/> <p>(51) A61B 1/273                  A61M 16/04                  (11) EP3032997                  (21) EP14765998.1                  (22) 15.08.2014                  (54) ENDOSCOPY DEVICE                  (73) Teleflex Life Sciences Unlimited Company                  (72) POULSEN, Sylwia                  POH, Teck                  (74) ir. H.J.G. Lips c.s.                  (31) 201314631                  (32) 15.08.2013                  (33) United Kingdom                  (47) 03.06.2020</p> <hr/> <p>(51) A61B 5/00                  A61B 5/0205                  A61B 5/04                  A61B 5/0408                  A61B 5/0416                  A61B 5/0478                  A61B 5/0492                  A61B 5/053                  A61B 5/145                  A61B 5/1455                  A61B 5/117                  A61B 5/1171                  (11) EP3016586                  (21) EP14820654.3                  (22) 01.07.2014                  (54) ADVANCED HEALTH MONITORING SYSTEM                  (73) Mayo Foundation for Medical Education and Research                  (72) BRUCE, Charles J.                  FRIEDMAN, Paul A.                  SOMERS, Virend K.                  BENNET, Kevin E.                  (74) ir. M.F.J.M. Ketelaars c.s.                  (31) 201361841837 P                  201361841865 P                  (32) 01.07.2013                  01.07.2013                  (33) United States of America                  United States of America                  (47) 17.06.2020</p> <hr/> <p>(51) A61B 5/00                  A61B 5/0205                  A61B 5/0464                  A61N 1/362                  A61N 1/372                  A61N 1/375                  A61N 1/39                  H04B 13/00                  (11) EP3092035</p>	<p>(21) EP15700629.7                  (22) 08.01.2015                  (54) COMMUNICATION OF THERAPY ACTIVITY OF A FIRST IMPLANTABLE MEDICAL DEVICE TO ANOTHER IMPLANTABLE MEDICAL DEVICE                  (73) Cardiac Pacemakers, Inc.                  (72) STAHMANN, Jeffrey E.                  LINDER, William J.                  SIMMS, Howard D.                  MAILE, Keith R.                  KANE, Michael J.                  (74) ir. H.J.G. Lips c.s.                  (31) 201461926090 P                  (32) 10.01.2014                  (33) United States of America                  (47) 10.06.2020</p> <hr/> <p>(51) A61B 5/00                  A61B 5/107                  (11) EP3225155                  (21) EP08425006.7                  (22) 04.01.2008                  (54) Spinal meter                  (73) Banyan Technologies GmbH                  (72) Bellavigna, Gianluca                  (74) ir. A.R. Aalbers                  (31) TR20070001                  (32) 12.01.2007                  (33) Italy                  (47) 29.04.2020</p> <hr/> <p>(51) A61B 5/00                  A61B 5/145                  A61B 5/1486                  A61B 5/1495                  G01N 27/327                  G01N 31/00                  (11) EP2497415                  (21) EP12170105.6                  (22) 27.07.2004                  (54) Processing analyte sensor data                  (73) DexCom, Inc.                  (72) Goode, Paul V Jr                  Brauker, James H                  Kamath, Apurv U                  Carr-Brendel, Victoria                  Thrower, James P                  (74) dr. W.A.H.M. Van Borm                  (31) 632537                  633329                  633367                  633404                  (32) 01.08.2003                  01.08.2003                  01.08.2003                  01.08.2003                  (33) United States of America                  United States of America                  United States of America                  United States of America                  (47) 24.06.2020</p> <hr/> <p>(51) A61B 5/0488                  A61N 1/05                  (11) EP3117869                  (21) EP16176750.4                  (22) 01.10.2010                  (54) ENDOTRACHEAL TUBE APPARATUS                  (73) Medtronic Xomed, Inc.                  (72) HACKER, David</p>	<p>STANISLAUS, Charles                  LI, Wenjeng                  LITTLE, Dave                  YAMASAKI, Sonny                  PAGOTTO, Carla                  (74) dr. W.A.H.M. Van Borm                  (31) 248294 P                  (32) 02.10.2009                  (33) United States of America                  (47) 17.06.2020</p> <hr/> <p>(51) A61B 5/08                  A61B 5/11                  A61B 5/113                  (11) EP3405110                  (21) EP17701572.4                  (22) 19.01.2017                  (54) METHOD AND APPARATUS FOR ESTIMATING BREATHING RATE                  (73) Oxehealth Limited                  (72) JONES, Simon Mark Chave                  HUTCHINSON, Nicholas Dunkley                  (74) ir. M.F.J.M. Ketelaars c.s.                  (31) 201601142                  (32) 21.01.2016                  (33) United Kingdom                  (47) 24.06.2020</p> <hr/> <p>(51) A61B 5/1455                  A61B 5/1464                  A61D 17/00                  (11) EP3395293                  (21) EP17168522.5                  (22) 27.04.2017                  (54) FETAL MONITORING SYSTEM                  (73) Veterinärmedizinische Universität Wien                  (72) KRIEGER, Stefanie                  KANZ, Peter                  DRILLICH, Marc                  IWERSEN, Michael                  (74) ir. M.F.J.M. Ketelaars c.s.                  (47) 27.05.2020</p> <hr/> <p>(51) A61B 5/15                  A61B 5/151                  (11) EP2242424                  (21) EP09710235.4                  (22) 11.02.2009                  (54) DEVICE FOR REMOVING BODILY FLUIDS                  (73) F. Hoffmann-La Roche AG                  (72) LIST, Hans                  RÖDEL, Wolfgang                  HÖRAUF, Christian                  (74) drs. C.M.A. Quintelier                  (31) 08151294                  (32) 11.02.2008                  (33) European Patent Office (EPO)                  (47) 10.06.2020</p> <hr/> <p>(51) A61B 5/15                  B01F 11/00                  B01F 15/00                  B01L 3/00                  G01N 1/10                  G01N 1/38                  G01N 35/00                  (11) EP3026417                  (21) EP14830243.3                  (22) 25.07.2014                  (54) CONTAINER FOR SPECIMEN PREPARATION</p>
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(73) Sekisui Medical Co., Ltd. Sekisui Techno Molding Co., Ltd.	(32) 27.08.2015	(47) 06.05.2020
(72) TAIRA, Hiroaki NEMOTO, Yuriko YOTANI, Takuya TOMINAGA, Satoru	(33) Korea (Republic) (47) 03.06.2020	(51) A61B 8/08
(74) ir. F.A. Geurts c.s. (31) 2013156176 (32) 26.07.2013 (33) Japan (47) 13.05.2020	(51) A61B 6/00 A61B 6/03 A61B 6/10	A61F 9/007 A61F 9/008 A61N 5/06 (11) EP3422954 (21) EP17712278.5 (22) 28.02.2017 (54) CORNEAL MEASUREMENT AND CONTROL OF CORNEAL CROSSLINKING
(31) 2013156176 (32) 26.07.2013 (33) Japan (47) 13.05.2020	(11) EP2866664 (21) EP12756018.3 (22) 29.06.2012 (54) MEDICAL IMAGING SYSTEM COMPRISING A C-ARM PROTECTION TUNNEL	(73) Teclens, LLC (72) LOPATH, Patrick David (74) ir. F.A. Geurts c.s. (31) 201662301040 P (32) 29.02.2016 (33) United States of America (47) 13.05.2020
(51) A61B 6/00 (11) EP3391822 (21) EP18167506.7 (22) 16.04.2018 (54) METHOD AND SYSTEMS FOR A COMPACT INTEGRATED MONITOR ARM FOR AN IMAGING SYSTEM	(73) General Electric Company (72) BOUVIER, Bernard MOULIN, Romain (74) ir. M.F.J.M. Ketelaars c.s. (47) 06.05.2020	(51) A61B 10/00 A61B 10/04 A61B 18/14 A61B 34/10 A61B 90/00 (11) EP3420916 (21) EP18173696.8 (22) 09.10.2008 (54) SYSTEMS FOR CONTROLLED DEPLOYMENT OF NEEDLES IN TISSUE
(73) General Electric Company (72) BARKER, David Ellis LIU, Mingtao PENG, Cong ALDER, Samuel Lee (74) ir. M.F.J.M. Ketelaars c.s. (31) 201715489643 (32) 17.04.2017 (33) United States of America (47) 27.05.2020	(51) A61B 6/00 A61C 1/00 A61C 19/00 G05B 23/02 (11) EP3289418 (21) EP16722571.3 (22) 29.04.2016 (54) METHOD AND SYSTEM FOR MONITORING A MEDICAL, IN PARTICULAR DENTAL, DEVICE	(73) Gynesonics, Inc. (72) MUNROW, Michael BAJOR, Jordan MUNRO, Malcolm G. (74) ir. F.A. Geurts c.s. (31) 979613 P (32) 12.10.2007 (33) United States of America (47) 13.05.2020
(51) A61B 6/00 A61B 6/02 (11) EP3315072 (21) EP17176956.5 (22) 13.02.2013 (54) SYSTEM AND METHOD FOR NAVIGATING A TOMOSYNTHESIS STACK USING SYNTHESIZED IMAGE DATA	(73) W & H Sterilization S.r.l. (72) MAGNO, Marino MAIER, Klaus (74) ir. W.J.J.M. Kempes (31) 15165547 (32) 29.04.2015 (33) European Patent Office (EPO) (47) 20.05.2020	(51) A61B 10/02 A61B 10/04 (11) EP3261553 (21) EP16705653.0 (22) 03.02.2016 (54) VARIABLE STIFFNESS ASPIRATION NEEDLE
(73) Hologic, Inc. (72) CHEN, Jin-Long CHUI, Haili GKANATSIOS, Nikolaos KREEGER, Kevin MARSHALL, Julian MISLAN, David PRAZER, Mark A. ZHANG, Xiangwei (74) drs. W.H.P. Derks (31) 201261597958 P (32) 13.02.2012 (33) United States of America (47) 29.04.2020	(51) A61B 6/00 G01J 3/28 G01N 21/25 (11) EP3213687 (21) EP14904688.0 (22) 14.11.2014 (54) APPARATUS AND METHOD FOR REMOVING STRANDS OF HAIR FROM NEAR-INFRARED SPECTROSCOPE	(73) Boston Scientific Scimed, Inc. (72) DAYTON, Peter L. HOLLYER, Matthew B. SHEPARD, Douglas C. (74) ir. A.R. Aalbers (31) 201562121110 P (32) 26.02.2015 (33) United States of America (47) 20.05.2020
(51) A61B 6/00 A61B 6/02 A61B 6/03 G06T 11/00 (11) EP3143935 (21) EP16182335.6 (22) 02.08.2016 (54) TOMOGRAPHY APPARATUS AND METHOD OF RECONSTRUCTING TOMOGRAPHY IMAGES	(73) Korea Advanced Institute of Science and Technology (72) BAE, Hyeon Min KIM, Jae Myoung CHOI, Jong Kwan CHOI, Min Gyu HWANG, Gun Pil (74) J.M.H. Duyver lic. (31) 20140149067 (32) 30.10.2014 (33) Korea (Republic) (47) 06.05.2020	(51) A61B 17/00 A61B 17/22 A61B 17/29 A61B 17/32 (11) EP3046483 (21) EP14771674.0 (22) 03.09.2014 (54) ARTICULATION FEATURES FOR ULTRASONIC SURGICAL INSTRUMENT
(73) Samsung Electronics Co., Ltd. (72) Lee, Kyoung-yong Kim, Do-il Rifu, Toshihiro Lee, Duhgoon (74) ir. M.F.J.M. Ketelaars c.s. (31) 20150121030	(51) A61B 8/08 (11) EP3236857 (21) EP14856796.9 (22) 24.12.2014 (54) SHEAR WAVE ELASTROGRAPHY METHOD AND APPARATUS FOR IMAGING AN ANISOTROPIC MEDIUM	(73) Ethicon LLC (72) STULEN, Foster B. MONROE, David A. WEISENBURGH, William B. II

SMITH, Richard C.	NAKAGAWA, Yuki	(74) ir. M.F.J.M. Ketelaars c.s.
MADAN, Ashvani K.	(74) ir. M.F.J.M. Ketelaars c.s.	(31) 201612014
DAVIS, Craig T.	(31) 2015080627	(32) 11.07.2016
WORRELL, Barry C.	2015248540	(33) United Kingdom
DICKERSON, Benjamin D.	(32) 10.04.2015	(47) 20.05.2020
BOUDREAU, Chad P.	21.12.2015	<hr/>
STROBL, Geoffrey S.	(33) Japan	(51) A61B 18/14
GALLMEYER, Thomas C.	Japan	(11) EP2923666
BENCHEK, Amy L.	(47) 27.05.2020	(21) EP15160978.1
MUHLENKAMP, Tylor C.	(51) A61B 17/88	(22) 26.03.2015
CONLON, Sean P.	(11) EP3282987	(54) TEMPERATURE MEASUREMENT IN A CATHETER
HIBNER, John A.	(21) EP16724468.0	(73) Biosense Webster (Israel) Ltd.
(74) ir. M.F.J.M. Ketelaars c.s.	(22) 12.04.2016	(72) Govari, Assaf
(31) 201314028717	(54) K-WIRE ADAPTOR ASSEMBLY	Beeckler, Christopher Thomas
(32) 17.09.2013	(73) Premia Spine Ltd.	Altmann, Andres Claudio
(33) United States of America	(72) VIKINSKY, Ofer	(74) ir. M.F.J.M. Ketelaars c.s.
(47) 03.06.2020	SACHER, Ron	(31) 201461971135 P
<hr/>	(74) ir. H.A. Witmans c.s.	(32) 27.03.2014
(51) A61B 17/00	(31) 201562146318 P	(33) United States of America
A61B 17/22	(32) 12.04.2015	(47) 03.06.2020
A61B 17/3207	(33) United States of America	<hr/>
A61M 25/00	(47) 06.05.2020	(51) A61B 18/14
A61M 25/01	(51) A61B 18/00	(11) EP3496640
A61M 25/10	A61B 18/14	(21) EP16784472.9
(11) EP3446649	(11) EP3315087	(22) 17.10.2016
(21) EP18190670.2	(21) EP17197945.3	(54) BLOOD-FLOW INTERRUPTING MEANS FOR INSULATING AN IMPLANT DEVICE FOR ABLATION
(22) 18.09.2012	(22) 24.10.2017	(73) Medical Development Technologies S.A.
(54) SUBINTIMAL RE-ENTRY CATHETER	(54) CATHETER DISTAL END MADE OF PLASTIC TUBE AND FLEXIBLE PRINTED CIRCUIT BOARDS	(72) VAN LANGENHOVE, Glenn
(73) Boston Scientific Scimed, Inc.	(73) Biosense Webster (Israel), Ltd.	(74) ir. J.P.E. Brants
(72) Anderson, James	(72) GOVARI, Assaf	(31) 16184127
(74) ir. A.R. Aalbers	ALTMANN, Andres Claudio	16184126
(31) 201161536229 P	ALGAWI, Yehuda	(32) 12.08.2016
(32) 19.09.2011	SITNITSKY, Ilya	12.08.2016
(33) United States of America	BEECKLER, Christopher Thomas	(33) European Patent Office (EPO)
(47) 20.05.2020	KEYES, Joseph Thomas	European Patent Office (EPO)
<hr/>	HERRERA, Kevin Justin	(47) 06.05.2020
(51) A61B 17/3207	(74) ir. M.F.J.M. Ketelaars c.s.	<hr/>
A61F 2/958	(31) 201615333853	(51) A61B 46/00
A61F 2/966	(32) 25.10.2016	A61B 46/10
A61M 25/10	(33) United States of America	A61B 46/23
(11) EP2768568	(47) 27.05.2020	(11) EP3151775
(21) EP12780993.7	<hr/>	(21) EP15722865.1
(22) 16.10.2012	(51) A61B 18/00	(22) 04.05.2015
(54) INTEGRATED CROSSING BALLOON CATHETER	A61B 18/18	(54) SURGICAL DRAPE WITH STERILE SYSTEM ACCESS
(73) Boston Scientific Scimed, Inc.	A61B 18/20	(73) O&M Halyard International Unlimited Company
(72) HANSON, Cass A.	A61F 9/007	(72) LIVESEY, Richard I.
RUDMAN, Barry L.	A61B 90/30	(74) J.M.H. Duyver lic.
GUPTA, Ajay	(11) EP3185803	(31) 201414287563
QUILLIN, Daniel T.	(21) EP15836723.5	(32) 27.05.2014
(74) ir. A.R. Aalbers	(22) 25.08.2015	(33) United States of America
(31) 201161548629 P	(54) MICROSURGICAL INSTRUMENT	(47) 01.07.2020
(32) 18.10.2011	(73) Peregrine Surgical, Ltd.	<hr/>
(33) United States of America	(72) RICHMOND, Theodore Todd	(51) A61C 5/70
(47) 06.05.2020	(74) J.M.H. Duyver lic.	A61K 6/00
<hr/>	(31) 201462070447 P	A61K 6/17
(51) A61B 17/3207	(32) 25.08.2014	A61K 6/818
A61M 25/098	(33) United States of America	A61K 6/822
A61M 25/10	(47) 03.06.2020	(11) EP3013306
(11) EP3281669	<hr/>	(21) EP14738952.2
(21) EP16776661.7	(51) A61B 18/12	(22) 12.06.2014
(22) 08.04.2016	A61B 18/18	(54) NANOCRYSTALLINE ZIRCONIA AND METHODS OF PROCESSING THEREOF
(54) BALLOON CATHETER	(11) EP3481316	(73) Ivoclar Vivadent, Inc.
(73) Goodman Co., Ltd.	(21) EP17737592.0	(72) BRODKIN, Dmitri G.
(72) IWANO, Kenshi	(22) 11.07.2017	WANG, Yijun
MIYAKE, Takamasa	(54) ELECTROSURGICAL GENERATOR	
MIZUNO, Takafumi	(73) Creo Medical Limited	
OGAWA, Tomokazu	(72) HANCOCK, Christopher Paul	
OGAWA, Keisuke	WHITE, Malcolm	
FUJISAWA, Soichiro		
OTA, Mitsuhiro		

TANG, Ling	(72) RAANANI, Ehud	(54) AN IMPLANT FOR A BONE JOINT
KHAN, Ajmal	ORLOV, Boris	(73) National University of Ireland Galway
VERANO, Anna B.	HARARI, Boaz	(72) CLARKE, Gerry
(74) ir. H.A. Witmans c.s.	MEIRI, Oded	BOLAND, Brendan
(31) 201361840055 P	ROZITSKY, Lichen	BRUZZI, Mark
(32) 27.06.2013	(74) ir. W.J.J.M. Kempes	LADD, Amy L.
(33) United States of America	(31) 201261649319 P	WEISS, Arnold-Peter C.
(47) 22.07.2020	(32) 20.05.2012	STOCKMANS, Filip
(51) A61C 7/14	(33) United States of America	(74) ir. J.C. Volmer c.s.
A61C 8/00	(47) 13.05.2020	(31) 16155090
A61C 13/00	(51) A61F 2/24	(32) 10.02.2016
A61C 13/003	(11) EP2918249	(33) European Patent Office (EPO)
A61C 13/083	(21) EP15158051.1	(47) 03.06.2020
B23P 11/02	(22) 06.03.2015	(51) A61F 5/02
B23Q 3/10	(54) SUPRACLAVICULAR CATHETER	(11) EP3407842
B24B 41/06	SYSTEM FOR TRANSSEPTAL ACCESS	(21) EP17702826.3
A61C 5/77	TO THE LEFT ATRIUM AND LEFT	(22) 27.01.2017
(11) EP3272306	VENTRICLE	(54) RECLINER-TYPE ORTHOSIS
(21) EP16765116.5	(73) Venus MedTech (HangZhou), Inc.	COMPRISING TIGHTENING STRAPS
(22) 18.03.2016	(72) Götz, Wolfgang	(73) Bauerfeind AG
(54) WORKPIECE UNIT AND METHOD FOR	(74) ir. H.A. Witmans c.s.	(72) STIER, Gerald
PRODUCING SAME	(31) 14160061	HARMS, Jürgen
(73) Kuraray Noritake Dental Inc.	14160065	(74) ir. M.F.J.M. Ketelaars c.s.
(72) ITO, Yoshihisa	PCT/EP2014/066537	(31) 102016201270
YAMADA, Tetsuo	(32) 14.03.2014	(32) 28.01.2016
(74) ir. W.J.J.M. Kempes	14.03.2014	(33) Germany
(31) 2015056570	31.07.2014	(47) 27.05.2020
(32) 19.03.2015	(33) European Patent Office (EPO)	(51) A61F 5/441
(33) Japan	European Patent Office (EPO)	A61F 5/445
(47) 10.06.2020	World Intellectual Property Office (WIPO)	(11) EP3439589
(51) A61F 2/02	(47) 29.04.2020	(21) EP17716842.4
(11) EP2988699	(51) A61F 2/24	(22) 07.04.2017
(21) EP13719482.5	(11) EP2967856	(54) PLASMA-ASSISTED ODOUR-FREE
(22) 24.04.2013	(21) EP14720799.7	REGULATION OF GAS PRESSURE
(54) ENCAPSULATION DEVICE	(22) 13.03.2014	INSIDE STOMA BAG
(73) Société des Produits Nestlé S.A.	(54) DEVICE AND SYSTEM FOR	(73) Technische Universiteit Eindhoven
Ecole Polytechnique Fédérale de	RESHAPING A HEART VALVE	(72) BECKERS, Job
Lausanne (EPFL)	(73) Boston Scientific Scimed, Inc.	KROESEN, Gerrit M.W.
(72) LATHUILIERE, Aurélien	(72) GLENN, Richard	(74) ir. W.J.J.M. Kempes
BOUCHE, Nicolas	KRISTOFFERSEN, Kristian	(31) 201662319713 P
SCHNEIDER, Bernard	KLEIN, Richard	(32) 07.04.2016
(74) drs. B. Taneja	LASHINSKI, Randall	(33) United States of America
(47) 27.05.2020	(74) ir. W.J.J.M. Kempes	(47) 10.06.2020
(51) A61F 2/06	(31) 201361783420 P	(51) A61F 5/445
A61F 2/07	(32) 14.03.2013	A61F 5/448
(11) EP3448313	(33) United States of America	(11) EP3175829
(21) EP17725616.1	(47) 03.06.2020	(21) EP16205737.6
(22) 26.05.2017	(51) A61F 2/24	(22) 12.11.2009
(54) A VASCULAR MEDICAL DEVICE AND	(11) EP3042635	(54) TO CONTROL BENDING IN A SKIN
SYSTEM	(21) EP16000181.4	PLATE FOR USE IN AN OSTOMY
(73) Swiss Capital - Engineering AG	(22) 11.10.2002	APPLIANCE
(72) SZENTE VARGA, Michael	(54) SYSTEM FOR REPLACING A	(73) Coloplast A/S
(74) ir. A.E. Dekker-Garms	DEFICIENT NATIVE HEART VALVE	(72) ANDERSEN, Birthe Vestbo
(31) 16171467	(73) Edwards Lifesciences PVT, Inc.	HANSEN, Michael
201615166141	(72) Spenser, Benjamin	(74) ir. W.J.J.M. Kempes
(32) 26.05.2016	Benichou, Netanel	(31) 200801571
26.05.2016	Bash, Assaf	(32) 12.11.2008
(33) European Patent Office (EPO)	Zakai, Avraham	(33) Denmark
United States of America	(74) ir. H.A. Witmans c.s.	(47) 06.05.2020
(47) 29.04.2020	(31) 975750	(51) A61F 13/00
(51) A61F 2/24	(32) 11.10.2001	A61L 15/42
(11) EP2852354	(33) United States of America	A61L 15/60
(21) EP13732633.6	(47) 03.06.2020	B32B 5/24
(22) 20.05.2013	(51) A61F 2/30	D06N 3/00
(54) PROSTHETIC MITRAL VALVE	A61F 2/42	(11) EP3351665
(73) TEL HASHOMER MEDICAL	(11) EP3413843	(21) EP18158974.8
RESEARCH INFRASTRUCTURE AND	(21) EP17708690.7	(22) 01.11.2012
SERVICES LTD.	(22) 10.02.2017	(54) GELLING WOUND DRESSINGS

(73) Brightwake Limited	(22) 31.03.2017	(74) J.M.H. Duyver lic.
(72) COTTON,, Stephen	(54) TILT ASSEMBLY FOR A POWERED WHEELCHAIR AND A POWERED WHEELCHAIR COMPRISING THE SAME	(31) 201414180011
(74) dr. A. Krebs	(73) Permobil AB	(32) 13.02.2014
(31) 201118857	(72) Jähkel, Jonas	(33) United States of America
201211540	Mirzaie, Mehdi	(47) 06.05.2020
(32) 01.11.2011	(74) ir. M.F.J.M. Ketelaars c.s.	(51) A61K 6/887
29.06.2012	(47) 06.05.2020	(11) EP3388046
(33) United Kingdom	(51) A61G 7/00	(21) EP16872625.5
United Kingdom	A61G 7/015	(22) 06.12.2016
(47) 03.06.2020	A61G 7/057	(54) DENTAL ADHESIVE
(51) A61F 13/15	A61G 7/07	(73) Kuraray Noritake Dental Inc.
B26D 1/36	A61G 7/075	(72) NOJIRI, Yamato
B26D 1/40	(11) EP2892490	TAKEI, Mitsuru
B65H 39/14	(21) EP13835486.5	(74) ir. W.J.J.M. Kempes
(11) EP3466382	(22) 05.09.2013	(31) 2015238788
(21) EP16904554.9	(54) PATIENT SUPPORT	(32) 07.12.2015
(22) 06.06.2016	(73) Stryker Corporation	(33) Japan
(54) PRODUCTION METHOD AND PRODUCTION DEVICE FOR CONTINUOUS SHEET COMPOSITE FOR ABSORBENT ARTICLE	(72) LAFLECHE, Patrick	(47) 10.06.2020
(73) Unicharm Corporation	CATE, Christopher	(51) A61K 8/31
(72) OBA, Kenji	ZEILINGER, Todd	A61K 8/34
NAKANO, Takumi	PILCHER, Kent	A61K 8/81
(74) J.M.H. Duyver lic.	PETERS, Stephen F.	A61K 8/894
(47) 01.07.2020	BRUBAKER, Mike T.	A61K 8/92
(51) A61F 13/51	SESHADRINATHAN, Manikantan	A61K 31/425
A61F 13/537	DUNLAP, David Allen	A61L 9/013
A61K 8/02	ROSS, Ryan	A61Q 13/00
A61L 15/22	MARTEL, Benoit	A61Q 17/02
A61L 15/26	(74) ir. W.J.J.M. Kempes	C11B 9/00
D01F 8/14	(31) 201261697010 P	(11) EP3099381
D04H 1/541	201361837067 P	(21) EP14880438.8
D04H 1/55	(32) 05.09.2012	(22) 19.11.2014
(11) EP3466385	19.06.2013	(54) EXTENDED RELEASE FRAGRANCE COMPOSITIONS
(21) EP17195228.6	(33) United States of America	(73) Avon Products, Inc.
(22) 06.10.2017	United States of America	(72) LULL, Michael A.
(54) ABSORBENT ARTICLE OR WIPE COMPRISING A NONWOVEN MATERIAL WITH BICOMPONENT FIBERS COMPRISING ANTIMONY-FREE POLYETHYLENE TEREPHTHALATE	(47) 06.05.2020	MCNAMARA, William E.
(73) The Procter & Gamble Company	(51) A61J 1/10	ANDERSON, Glen T.
(72) Saevecke, Dirk	A61J 1/14	(74) ir. W.J.J.M. Kempes
Virtanen, Otto	A61J 1/20	(31) 201414165687
(47) 27.05.2020	(11) EP3294253	(32) 28.01.2014
(51) A61G 5/10	(21) EP16735678.1	(33) United States of America
(11) EP3222263	(22) 13.05.2016	(47) 29.04.2020
(21) EP17000446.9	(54) DEVICE FOR RECONSTITUTING AND ADMINISTERING DRUGS	(51) A61K 8/42
(22) 17.03.2017	(73) Khevenhüller Metsch, Johannes	A61K 31/196
(54) CHAP WHEEL - SOLID WHEEL WHICH CAN BE DIVIDED INTO THREE SEGMENTS WITH SOLID RUBBER SEGMENT TYRES, WHICH FITS TO ANY CONVENTIONAL WHEELCHAIR	Franziskus	A61K 31/42
(73) P + L Innovations GmbH	(72) Khevenhüller Metsch, Johannes	A61Q 19/02
KKR Capital & Conseil SAS	Franziskus	A61Q 19/06
(72) Czapek, Christian	(74) J.M.H. Duyver lic.	A61Q 19/08
(74) ir. H.A. Witmans c.s.	(31) UB20150414	C07C 233/54
(31) 102016003936	(32) 14.05.2015	C07D 307/79
(32) 21.03.2016	(33) Italy	C07D 319/08
(33) Germany	(47) 29.04.2020	(11) EP2805746
(47) 13.05.2020	(51) A61J 1/10	(21) EP14170446.0
(51) A61G 5/10	A61J 15/00	(22) 16.02.2010
A61G 5/14	(11) EP3104828	(54) Alkylamido compounds and uses thereof
(11) EP3381429	(21) EP15748590.5	(73) Nogra Pharma Limited
(21) EP17164109.5	(22) 09.02.2015	(72) Baroni, Sergio
	(54) METHOD AND APPARATUS FOR A SQUEEZABLE FOOD CONTAINER HAVING A DIRECT FEEDING TUBE CONNECTOR	Bellinvia, Salvatore
	(73) Medline Industries, Inc.	Viti, Francesca
	(72) GERWIRTZ, Gail	(74) ir. M.F.J.M. Ketelaars c.s.
	STEVENS, Luke	(31) 09425056
	LOWKIS, Paulina	179062 P
		287461 P
		(32) 16.02.2009
		18.05.2009
		17.12.2009
		(33) European Patent Office (EPO)
		United States of America



United States of America	A61P 9/00	A61K 31/575
(47) 06.05.2020	A61P 9/10	A61K 31/688
(51) A61K 9/00	A61P 9/12	A61P 31/12
A61K 9/20	A61P 19/00	(11) EP3471732
A61K 31/4402	(11) EP3125882	(21) EP17731852.4
A61K 31/4415	(21) EP15712644.2	(22) 15.06.2017
A61K 31/675	(22) 30.03.2015	(54) LIPOSOMES FOR THE TREATMENT OF VIRAL INFECTIONS
A61P 1/08	(54) TREATMENT OF METABOLIC DISORDERS IN EQUINE ANIMALS	(73) Combioxin SA
(11) EP3326611	(73) Boehringer Ingelheim Vetmedica GmbH	(72) AZEREDO DA SILVEIRA LAJAUNIAS, Samareh LAJAUNIAS, Frédéric
(21) EP17195445.6	(72) REICHE, Dania Birte MOHREN, Nicole JOHNSTON, Laura SOMERVILLE, Bruce VOTH, Rebecca K.	(74) ir. W.J.J.M. Kempes
(22) 18.02.2013	(74) ir. F.A. Geurts c.s.	(31) 16174700
(54) FORMULATION OF DOXYLAMINE AND PYRIDOXINE AND/OR METABOLITES OR SALTS THEREOF	(31) 14162983	(32) 16.06.2016
(73) Duchesnay Inc.	14176714	(33) European Patent Office (EPO)
(72) VRANDERICK, Manon ST-ONGE, Jean-Luc GEDEON, Christelle GALLO, Michele GERVAIS, Éric	(32) 01.04.2014	(47) 13.05.2020
(74) dr. W.A.H.M. Van Borm	11.07.2014	(51) A61K 9/16
(31) 201261601754 P	01.10.2014	A61K 9/20
(32) 22.02.2012	(33) European Patent Office (EPO)	A61K 9/50
(33) United States of America	European Patent Office (EPO)	(11) EP2170299
(47) 06.05.2020	European Patent Office (EPO)	(21) EP08762464.9
(51) A61K 9/02	(47) 13.05.2020	(22) 19.06.2008
A61K 9/16	(51) A61K 9/08	(54) A NOVEL POWDER, TABLETTING BLEND, COMPACTS AND THEIR METHOD OF MANUFACTURE
A61K 9/48	A61K 31/4402	(73) Nano4M Limited
A61K 9/50	A61K 47/32	(72) MORTON, David
A61K 31/19	A61P 27/16	(74) dr. A. Krebs
A61K 31/194	(11) EP3474850	(31) 0712316
A61P 9/10	(21) EP18703749.4	(32) 26.06.2007
A61P 13/12	(22) 02.02.2018	(33) United Kingdom
A61P 15/06	(54) INTRANASAL COMPOSITION COMPRISING BETAHISTINE	(47) 29.04.2020
A61P 15/08	(73) Otolanum AG	(51) A61K 9/20
A61P 17/06	(72) WRAIGHT, Christopher John MEYER, Thomas	(11) EP3174532
A61P 19/02	(74) dr. A. Krebs	(21) EP15735852.4
A61P 25/06	(31) 201762453931 P	(22) 03.07.2015
A61P 25/16	(32) 02.02.2017	(54) PULVERULENT, DIRECTLY COMPRESSIBLE TYPES OF POLYVINYL ALCOHOL
A61P 25/24	(33) United States of America	(73) Merck Patent GmbH
A61P 25/28	(47) 22.04.2020	(72) OGNIBENE, Roberto BAUER, Finn WEDEL, Thorsten MODELMOG, Guenter
A61P 29/00	(51) A61K 9/10	(74) ir. H.A. Witmans c.s.
(11) EP3380094	A61K 9/14	(31) 14002664
(21) EP16813149.8	A61K 9/16	(32) 30.07.2014
(22) 25.11.2016	A61K 9/48	(33) European Patent Office (EPO)
(54) BUTYRATE SALTS FOR USE IN INFLAMMATORY DISEASES	A61K 31/437	(47) 13.05.2020
(73) Birrbeheer B.V.	C07D 498/22	(51) A61K 9/20
(72) VERMEIDEN, Jan Pieter Willem	(11) EP2593463	A61K 9/28
(74) ir. J.C. Volmer c.s.	(21) EP11807418.6	A61K 9/48
(31) 2015874	(22) 12.07.2011	A61K 31/592
(32) 27.11.2015	(54) FORMULATIONS OF RIFAXIMIN AND USES THEREOF	A61K 31/593
(33) Netherlands	(73) Salix Pharmaceuticals, Inc.	(11) EP2968172
(47) 17.06.2020	(72) SELBO, Jon TENG, Jing KABIR, Mohammed, A. GOLDEN, Pam	(21) EP14717038.5
(51) A61K 9/08	(74) dr. W.A.H.M. Van Borm	(22) 14.03.2014
A61K 9/20	(31) 419056 P	(54) STABILIZED MODIFIED RELEASE VITAMIN D FORMULATION AND METHOD OF ADMINISTERING SAME
A61K 9/48	363609 P	(73) EirGen Pharma Ltd.
A61K 31/357	(32) 02.12.2010	(72) WHITE, Jay, A. MELNICK, Joel, Z. AGUDOAWU, Sammy, A. TABASH, Samir, P.
A61K 31/382	12.07.2010	(74) dr. W.A.H.M. Van Borm
A61K 31/70	(33) United States of America	(31) 201361801896 P
A61K 31/7034	United States of America	
A61K 31/7042	(47) 06.05.2020	
A61K 31/7048	(51) A61K 9/127	
A61K 31/7056		
A61K 47/16		
A61P 1/16		
A61P 3/00		
A61P 3/10		

(32) 15.03.2013	(22) 12.02.2015	United States of America
(33) United States of America	(54) PHARMACEUTICAL COMPOSITION	(47) 29.04.2020
(47) 22.07.2020	COMPRISING ERYTHROCYTES	(51) A61K 31/165
(51) A61K 9/22	ENCAPSULATING A PLP-DEPENDENT	A61K 31/436
A61M 1/00	ENZYME AND ITS COFACTOR	A61K 31/4375
A61M 5/00	(73) Erytech Pharma	A61K 31/505
A61M 5/142	(72) GODFRIN, Yann	A61K 31/517
A61M 5/168	BOURGEAUX, Vanessa	A61K 31/519
A61M 5/172	GAY, Fabien	A61P 35/00
A61M 5/42	CORTESE, Thomas	(11) EP3253733
A61M 37/00	(74) ir. A.R. Aalbers	(21) EP16746247.2
(11) EP1881820	(31) 1451100	(22) 04.02.2016
(21) EP06728351.5	(32) 12.02.2014	(54) COMBINATIONS OF IRS/STAT3 DUAL
(22) 14.05.2006	(33) France	MODULATORS AND ANTI-CANCER
(54) DISPOSABLE DISPENSER FOR	(47) 06.05.2020	AGENTS FOR TREATING CANCER
PATIENT INFUSION	(51) A61K 9/50	(73) TyrNovo Ltd.
(73) F. Hoffmann-La Roche AG	A61K 39/00	(72) REUVENI, Hadas
(72) IDAN, Gavriel, J.	A61K 39/385	HAVIV, Izhak
YODFAT, Ofer	A61P 37/00	KUPERSHMIDT, Lana
FRIEDMAN, Avishai	A61P 37/06	(74) ir. M.B. Plaggenborg
(74) drs. C.M.A. Quintelier	G01N 33/543	(31) 201562112257 P
(31) 16864205	G01N 33/564	201562136530 P
(32) 17.05.2005	G01N 33/569	(32) 05.02.2015
(33) Israel	(11) EP2842570	22.03.2015
(47) 17.06.2020	(21) EP14184505.7	(33) United States of America
(51) A61K 9/48	(22) 07.03.2008	United States of America
A61K 31/4709	(54) COMPOSITIONS AND METHODS FOR	(47) 29.04.2020
A61K 47/38	THE PREVENTION AND TREATMENT	(51) A61K 31/337
A61P 35/00	OF AUTOIMMUNE CONDITIONS	A61K 31/513
(11) EP3378479	(73) UTI Limited Partnership	A61K 31/7072
(21) EP17743703.5	The General Hospital Corporation, d/b/a	A61P 1/00
(22) 23.01.2017	Massachusetts General Hospital	A61P 11/00
(54) METHOD FOR PREPARING	(72) Santamaria, Pere	A61P 15/00
PHARMACEUTICAL COMPOSITION	Moore, Anna	A61P 35/00
COMPRISING QUINOLINE DERIVATIVE	(74) J.M.H. Duyver lic.	A61P 43/00
OR SALT THEREOF	(31) 893530 P	(11) EP3127545
(73) Jiangsu Hengrui Medicine Co., Ltd.	(32) 07.03.2007	(21) EP15774351.9
(72) LU, Yun	(33) United States of America	(22) 03.04.2015
ZHANG, Xinhua	(47) 06.05.2020	(54) ANTI-TUMOR DRUG CONTAINING
WANG, Chenyang	(51) A61K 31/122	TAXANE COMPOUND, AND ANTI-
(74) dr. W.A.H.M. Van Borm	A61K 31/337	TUMOR EFFECT ENHANCER
(31) 201610057228	A61K 31/513	(73) Taiho Pharmaceutical Co., Ltd.
(32) 27.01.2016	A61K 31/519	(72) OKABE, Hiroyuki
(33) China	A61K 31/704	(74) ir. H.A. Witmans c.s.
(47) 17.06.2020	A61K 31/7068	(31) 2014078243
(51) A61K 9/50	A61K 38/43	(32) 04.04.2014
A61K 31/496	A61P 35/00	(33) Japan
(11) EP2976069	(11) EP3041496	(47) 03.06.2020
(21) EP14718922.9	(21) EP14841658.9	(51) A61K 31/4045
(22) 21.03.2014	(22) 04.09.2014	A61P 25/28
(54) PIPERAQUINE MICROCAPSULES AND	(54) METHODS OF TREATMENT OF	C07D 403/12
COMPOSITIONS CONTAINING THEM	CANCER BY CONTINUOUS INFUSION	C07D 413/12
(73) ADARE PHARMACEUTICALS S.R.L.	OF COENZYME Q10	C07D 417/12
(72) STOLLBERG, Christian	(73) Berg LLC	C07D 417/14
BIANCHI, Giancarla	(72) NARAIN, Niven, Rajin	(11) EP3348556
FABIANI, Flavio	SARANGARAJAN, Rangaprasad	(21) EP18156929.4
BOLTRI, Luigi	GRAY, Thomas, Mitchell	(22) 28.01.2015
(74) drs. A.A. Jilderda	MCCOOK, John, Patrick	(54) HETEROARYL AMIDES AS
(31) 201361804448 P	JIMENEZ, Joaquin, J.	INHIBITORS OF PROTEIN
(32) 22.03.2013	(74) mr.ir. F.N. Ferro	AGGREGATION
(33) United States of America	(31) 201361873510 P	(73) UCB Biopharma SRL
(47) 06.05.2020	201361901351 P	(72) STOCKING, Emily M.
(51) A61K 9/50	201361912770 P	WRASIDLO, Wolfgang
A61K 38/51	(32) 04.09.2013	(74) ir. H.A. Witmans c.s.
A61P 35/00	07.11.2013	(31) 201461933246 P
A61K 35/18	06.12.2013	201462078895 P
(11) EP3104875	(33) United States of America	(32) 29.01.2014
(21) EP15705563.3	United States of America	12.11.2014

(33) United States of America United States of America	CASTRO PINEIRO, Jose Luis BIRCH, Louise Michelle	EIDAM, Hilary Schenck GUAN, Huiping Amy
(47) 29.04.2020	KHAN, Afzal	QIN, Donghui
(51) A61K 31/405	BRAUNTON, Alan James	WU, Chengde
A61K 31/4375	KITULAGODA, James Edward	GONG, Zhen
A61K 31/454	SOEJIMA, Motohiro	YANG, Haiying
A61K 31/4709	(74) ir. W.J.J.M. Kempes	YU, Haiyu
A61P 43/00	(31) 201317363	ZHANG, Zhiliu
C07D 209/14	(32) 01.10.2013	(74) dr. A. Krebs
C07D 401/04	(33) United Kingdom	(31) PCT/CN2014/000834
C07D 401/06	(47) 13.05.2020	(32) 10.09.2014
C07D 401/12	(51) A61K 31/437	(33) World Intellectual Property Office (WIPO)
C07D 401/14	A61P 35/00	(47) 01.07.2020
C07D 403/12	C07D 471/04	(51) A61K 31/4545
C07D 471/04	A61K 47/68	A61P 11/00
(11) EP3191483	(11) EP3108886	A61P 27/02
(21) EP15840696.7	(21) EP16176625.8	A61P 37/00
(22) 11.09.2015	(22) 21.04.2011	(11) EP2833884
(54) COMPOUNDS AS CRTH2 ANTAGONIST AND USES THEREOF	(54) CONJUGATES OF CC-1065 ANALOGS AND BIFUNCTIONAL LINKERS	(21) EP13713199.1
(73) North & South Brother Pharmacy Investment Company Limited	(73) Syntarga B.V.	(22) 02.04.2013
(72) ZHANG, Yingjun	(72) BEUSKER, Patrick Henry	(54) USE OF CCR3-INHIBITORS
YU, Tianzhu	COUMANS, Rudy Gerardus Elisabeth	(73) Alkahest, Inc.
LIU, Bing	ELGERSMA, Ronald Christiaan	(72) NIVENS, Michael Chadham
ZHANG, Xiangyu	MENGE, Wiro Michael Petrus Bernardus	BOUYSSOU, Thierry
ZHANG, Shiguo	JOOSTEN, Johannes Albertus	GOEGGEL, Rolf
CHENG, Changchung	Frederikus	SEITHER, Peter
ZHANG, Jiancun	SPIJKER, Henri Johannes	(74) dr. A. Krebs
(74) mr.ir. F.N. Ferro	GROOT de, Franciscus Marinus	(31) 12162937
(31) 201410465498	Hendrikus	(32) 03.04.2012
(32) 13.09.2014	(74) ir. M.F.J.M. Ketelaars c.s.	(33) European Patent Office (EPO)
(33) China	(31) 326437 P	(47) 20.05.2020
(47) 10.06.2020	421824 P	(51) A61K 31/4709
(51) A61K 31/435	(32) 21.04.2010	A61K 31/4725
A61P 29/00	10.12.2010	A61P 35/00
C07D 209/46	(33) United States of America	A61P 39/00
(11) EP3134386	United States of America	C07D 401/06
(21) EP15726362.5	(47) 17.06.2020	C07D 401/12
(22) 22.04.2015	(51) A61K 31/4412	C07D 401/14
(54) ISOINDOLINE-1-ONE DERIVATIVES AS CHOLINERGIC MUSCARINIC M1 RECEPTOR POSITIVE ALLOESTERIC MODULATOR ACTIVITY FOR THE TREATMENT OF ALZHEIMERS DISEASE	A61K 31/4427	C07D 405/14
(73) Takeda Pharmaceutical Company Limited	A61P 1/00	C07D 471/04
(72) YAMADA, Masami	A61P 35/00	C07D 495/14
SUZUKI, Shinkichi	A61P 43/00	C07D 519/00
SUGIMOTO, Takahiro	C07D 211/94	(11) EP3307724
NAKAMURA, Minoru	C07D 213/64	(21) EP16807930.9
SAKAMOTO, Hiroki	C07D 213/65	(22) 10.06.2016
KAMATA, Makoto	C07D 213/69	(54) (Z)-2-(1H-INDOL-3-YL)-3- (ISOQUINOLIN-5-YL)ACRYLONITRILE DERIVATIVES AND RELATED COMPOUNDS WITH LYSOSOME INHIBITORY AND ANTI-MITOTIC ACTIVITY FOR TREATING HYPERPROLIFERATIVE DISEASES
(74) ir. J.C. Volmer c.s.	C07D 217/24	(73) National University of Singapore
(31) 2014089585	C07D 221/00	(72) LEE, Sang Hyun
(32) 23.04.2014	C07D 221/04	DYMOCK, Brian William
(33) Japan	C07D 239/22	KITAGAWA, Mayumi
(47) 20.05.2020	C07D 401/04	SEE, Cheng Shang
(51) A61K 31/437	C07D 401/12	(74) ir. H.A. Witmans c.s.
A61P 25/00	C07D 403/04	(31) 10201504656U
C07D 471/04	C07D 403/12	(32) 12.06.2015
(11) EP3489237	C07D 405/04	(33) Singapore
(21) EP18204685.4	C07D 405/12	(47) 10.06.2020
(22) 30.09.2014	C07D 407/12	(51) A61K 31/485
(54) 4-AZAIINDOLE DERIVATIVES	(11) EP3191449	A61P 25/04
(73) Eisai R&D Management Co., Ltd.	(21) EP15840612.4	A61P 25/36
(72) PAYNE, Andrew	(22) 10.09.2015	(11) EP3215223
	(54) COMPOUNDS AS REARRANGED DURING TRANSFECTION (RET) INHIBITORS	(21) EP15828368.9
	(73) GlaxoSmithKline Intellectual Property Development Limited	(22) 06.11.2015
	(72) CHEUNG, Mui	
	DEMARTINO, Michael P.	

(54) BUPRENORPHINE DOSING REGIMENS	(47) 20.05.2020	C12N 5/078
(73) Indivior UK Limited	(51) A61K 31/553	A61K 35/15
(72) NASSER, Azmi	A61P 11/00	(11) EP3019176
LAFFONT, Celine Marielle	C07D 267/10	(21) EP13889025.6
HEIDBREDER, Christian Arthur	C07D 413/12	(22) 13.12.2013
(74) dr. A. Krebs	C07D 413/14	(54) USE OF ACELLULAR PRO-INFLAMMATORY COMPOSITIONS AND PROCESS FOR MAKING SAME
(31) 201462076854 P	C07D 417/12	(73) Canadian Blood Services
201562100391 P	(11) EP3323814	(72) SCOTT, Mark, D.
201562112546 P	(21) EP17195612.1	WANG, Duncheng
201562199778 P	(22) 23.01.2015	TOYOFUKU, Wendy, M.
(32) 07.11.2014	(54) (2S)-N-[(1S)-1-CYANO-2-PHENYLETHYL]-1,4-OXAZEPANE-2-CARBOXAMIDES AS DIPEPTIDYL PEPTIDASE I INHIBITORS	(74) ir. A.R. Aalbers
06.01.2015	(73) AstraZeneca AB	(31) PCT/CA2013/050546
05.02.2015	(72) LÖNN, Hans, Roland	PCT/CA2013/050543
31.07.2015	CONNOLLY, Stephen	(32) 12.07.2013
(33) United States of America	SWALLOW, Steven	12.07.2013
United States of America	KARLSSON, Staffan PO	(33) World Intellectual Property Office (WIPO)
United States of America	AURELL, Carl-Johan	World Intellectual Property Office (WIPO)
United States of America	PONTÉN, John Fritiof	(47) 06.05.2020
(47) 01.07.2020	DOYLE, Kevin, James	(51) A61K 31/712
(51) A61K 31/501	VAN DE POËL, Amanda, Jane	A61K 31/7125
A61K 31/5377	JONES, Graham, Peter	C07H 21/04
A61P 25/04	WATSON, David, Wyn	C12N 15/113
A61P 25/18	MACRITCHIE, Jaqueline, Anne	(11) EP3137604
A61P 25/28	PALMER, Nicholas, John	(21) EP15786107.1
A61P 29/00	(74) dr. A. Krebs	(22) 01.05.2015
C07D 491/044	(31) 201461931090 P	(54) COMPOSITIONS AND METHODS FOR MODULATING GROWTH HORMONE RECEPTOR EXPRESSION
(11) EP3345909	(32) 24.01.2014	(73) Ionis Pharmaceuticals, Inc.
(21) EP16837160.7	(33) United States of America	(72) PRAKASH, Thazha, P.
(22) 18.08.2016	(47) 13.05.2020	SETH, Punit, P.
(54) TETRAHYDROOXEPINOPYRIDINE COMPOUND	(51) A61K 31/7008	SWAYZE, Eric, E.
(73) Astellas Pharma Inc.	A61P 21/00	BHANOT, Sanjay
(72) KOGANEMARU, Yohei	C07H 5/04	FREIER, Susan, M.
MIYAMOTO, Satoshi	C07H 7/02	BUI, Huynh-Hoa
NAGASHIMA, Shinya	(11) EP2771348	(74) ir. M.F.J.M. Ketelaars c.s.
KAMIKAWA, Akio	(21) EP12843460.2	(31) 201461987470 P
YONEZAWA, Koichi	(22) 24.10.2012	201462061071 P
KOIZUMI, Yuka	(54) SIALIC ACID ANALOGS	201462082511 P
AOKI, Satoshi	(73) Ultragenyx Pharmaceutical Inc.	(32) 01.05.2014
OGIYAMA, Takashi	(72) KAKKIS, Emil	07.10.2014
KAWAKAMI, Shimpei	JUNGLES, Steven	20.11.2014
KUNIKAWA, Shigeki	ZHAO, He	(33) United States of America
SATO, Ryo	(74) dr. A. Krebs	United States of America
SHISHIKURA, Junichi	(31) 201161550610 P	United States of America
KAKIMOTO, Shuichirou	(32) 24.10.2011	(47) 15.07.2020
YAMADA, Hiroshi	(33) United States of America	(51) A61K 31/712
TAMAKI, Keisuke	(47) 20.05.2020	A61K 48/00
(74) mr.ir. F.N. Ferro	(51) A61K 31/7028	A61P 21/00
(31) 2015162320	A61K 31/715	C07H 21/04
(32) 19.08.2015	A61K 33/04	C12N 15/113
(33) Japan	A61P 29/00	(11) EP3351633
(47) 17.06.2020	A61P 31/12	(21) EP16846578.9
(51) A61K 31/501	(11) EP2968377	(22) 15.09.2016
A61P 35/00	(21) EP14779275.8	(54) ANTISENSE NUCLEIC ACID
C07D 403/14	(22) 12.03.2014	(73) Nippon Shinyaku Co., Ltd.
(11) EP3380468	(54) COMPOSITIONS AND METHODS FOR TREATING INFECTIOUS DISEASE	National Center of Neurology and Psychiatry
(21) EP16801774.7	(73) Sichtnik, Laszlo	(72) ENYA, Yukiko
(22) 25.11.2016	(72) Sichtnik, Laszlo	TONE, Yuichiro
(54) BIS-PYRIDAZINE COMPOUNDS AND THEIR USE IN TREATING CANCER	(74) mr. ir. J. van Breda c.s.	TAKEDA, Shin'ichi
(73) Astrazeneca AB	(31) 201361777484 P	AOKI, Yoshitsugu
Cancer Research Technology Ltd.	(32) 12.03.2013	(74) J.M.H. Duyver lic.
(72) FINLAY, Maurice, Raymond, Verschoyle	(33) United States of America	(31) 2015182145
(74) dr. A. Krebs	(47) 22.07.2020	(32) 15.09.2015
(31) 201520959	(51) A61K 31/7105	(33) Japan
(32) 27.11.2015	A61P 37/02	
(33) United Kingdom		

(47) 24.06.2020	BRETON, Jonathan	(33) United States of America
(51) A61K 31/713	LAMBERT, Grégory	United States of America
A61P 35/00	LEGRAND, Romain	(47) 03.06.2020
C07H 21/02	LUCAS, Nicolas	(51) A61K 39/00
C12N 15/113	(74) dr. A. Krebs	(11) EP3389701
(11) EP2978845	(31) PCT/IB2016/051923	(21) EP17826320.8
(21) EP14713467.0	(32) 05.04.2016	(22) 11.10.2017
(22) 27.03.2014	(33) World Intellectual Property Office (WIPO)	(54) NUCLEOTIDE SEQUENCE
(54) MODIFIED TGF-BETA	(47) 27.05.2020	EXPRESSING AN EXOSOME-
OLIGONUCLEOTIDES	(51) A61K 38/18	ANCHORING PROTEIN FOR USE AS
(73) ISARNA Therapeutics GmbH	A61K 39/395	VACCINE
(72) JASCHINSKI, Frank	C07K 16/28	(73) Istituto Superiore Di Sanita'
JANICOT, Michel	(11) EP2968467	(72) FEDERICO, Maurizio Paolo Maria
UHLMANN, Eugen	(21) EP14776479.9	(74) ir. M.F.J.M. Ketelaars c.s.
(74) ir. H.A. Witmans c.s.	(22) 13.03.2014	(31) 201600101794
(31) 13161474	(54) FORMULATIONS WITH REDUCED	(32) 11.10.2016
13173078	OXIDATION	(33) Italy
13199826	(73) F.Hoffmann-La Roche AG	(47) 29.04.2020
(32) 27.03.2013	(72) ALAVATTAM, Sreedhara	(51) A61K 39/00
20.06.2013	MALLANEY, Mary	A61K 39/02
30.12.2013	GREWAL, Parbir	C12N 1/20
(33) European Patent Office (EPO)	(74) drs. C.M.A. Quintelier	C12R 1/35
European Patent Office (EPO)	(31) 201361780852 P	(11) EP2938356
European Patent Office (EPO)	201361909850 P	(21) EP13821324.4
(47) 29.04.2020	(32) 13.03.2013	(22) 20.12.2013
(51) A61K 38/05	27.11.2013	(54) IMMUNOGENIC COMPOSITION
A61K 39/395	(33) United States of America	COMPRISES MYCOPLASMA
A61K 45/06	United States of America	ANTIGENS
C07K 16/28	(47) 03.06.2020	(73) Boehringer Ingelheim Vetmedica GmbH
C07K 16/30	(51) A61K 38/24	(72) JORDAN, Dianna M. Murphy
G01N 33/574	A61K 38/27	MARTINSON, Brian Thomas
A61K 47/68	(11) EP3060239	MUEHLENTHALER, Christine Margaret
(11) EP3157559	(21) EP14856666.4	NEUBAUER, Axel
(21) EP15729504.9	(22) 21.10.2014	IYER, Arun V.
(22) 18.06.2015	(54) LONG-ACTING POLYPEPTIDES AND	(74) ir. F.A. Geurts c.s.
(54) ANTI-AXL ANTIBODIES	METHODS OF PRODUCING AND	(31) 201261747026 P
(73) BerGenBio ASA	ADMINISTERING SAME	(32) 28.12.2012
(72) MICKLEM, David Robert	(73) OPKO Biologics Ltd.	(33) United States of America
KIPRIJANOV, Sergej	(72) FARES, Fuad	(47) 13.05.2020
NILSSON, Linn Hodneland	FIMA, Udi Eyal	(51) A61K 39/00
AHMED, Lavina	(74) dr. W.A.H.M. Van Borm	A61K 39/12
HAUGEN, Hallvard	(31) 201314059134	A61K 39/39
(74) ir. M.F.J.M. Ketelaars c.s.	201414309496	A61P 31/00
(31) 201410826	(32) 21.10.2013	A61P 31/12
(32) 18.06.2014	19.06.2014	A61P 31/14
(33) United Kingdom	(33) United States of America	A61P 31/16
(47) 06.05.2020	United States of America	A61P 31/20
(51) A61K 38/16	(47) 13.05.2020	A61P 31/22
A61P 3/04	(51) A61K 38/43	A61P 35/00
A61K 35/74	A61K 38/46	A61P 37/04
A61K 35/741	A61K 45/06	(11) EP3191123
A23L 33/135	A61P 1/00	(21) EP14781320.8
(11) EP3439684	A61K 35/74	(22) 12.09.2014
(21) EP17716181.7	(11) EP1694273	(54) METHODS FOR PROVIDING
(22) 05.04.2017	(21) EP04812935.7	ADJUVANTED VIROSOMES
(54) HAFNIA ALVEI BASED	(22) 03.12.2004	AND ADJUVANTED VIROSOMES
PHARMACEUTICAL AND FOOD	(54) METHODS FOR THE DIETARY	OBTAINABLE THEREBY
COMPOSITIONS FOR INDUCING	MANAGEMENT OF IRRITABLE BOWEL	(73) Bestewil Holding B.v.
SATIATION AND PROLONGING	SYNDROME AND CARBOHYDRATE	(72) STEGMANN, Antonius Johannes
SATIETY	MALABSORPTION	Henrikus
(73) INSERM (Institut National de la Santé et	(73) Ganeden Biotech, Inc.	SOEI-KEN TJON, Joan Claudia Maureen
de la Recherche Médicale)	(72) FARMER, Sean	(74) ir. H.A. Witmans c.s.
Centre Hospitalier Universitaire de	LEFKOWITZ, Andrew, R.	(47) 03.06.2020
Rouen	(74) J.M.H. Duyver lic.	(51) A61K 39/00
Targedys	(31) 528074 P	A61K 39/395
Université de Rouen	915030	A61P 35/00
(72) FETISSOV, Serguei	(32) 05.12.2003	C07K 16/28
DECHELOTTE, Pierre	09.08.2004	(11) EP3074035

- (21) EP14863190.6  
(22) 25.11.2014  
(54) COMPOSITIONS COMPRISING ANTI-CEACAM1 AND ANTI-PD ANTIBODIES FOR CANCER THERAPY  
(73) FameWave Ltd.  
(72) BEN-MOSHE, Tehila  
SAPIR, Yair  
MANDEL, Ilana  
MEILIN, Edna  
(74) ir. M.B. Plaggenborg  
(31) 201361908190 P  
(32) 25.11.2013  
(33) United States of America  
(47) 13.05.2020  


---

(51) A61K 39/04  
A61K 39/12  
A61K 39/295  
C12N 15/866  
(11) EP3320919  
(21) EP17208901.3  
(22) 28.12.2006  
(54) MULTIVALENT PCV2 IMMUNOGENIC COMPOSITIONS AND METHODS OF PRODUCING SUCH COMPOSITIONS  
(73) Boehringer Ingelheim Animal Health USA Inc.  
(72) Roof, Michael B.  
Hayes, Phillip Wayne  
Eichmeyer, Mark  
Nitzel, Greg  
Schaeffer, Merrill  
(74) ir. F.A. Geurts c.s.  
(31) 755015 P  
(32) 29.12.2005  
(33) United States of America  
(47) 27.05.2020  


---

(51) A61K 39/12  
C12N 7/02  
C12N 7/04  
(11) EP2940129  
(21) EP15001669.9  
(22) 04.04.2008  
(54) METHODS AND COMPOSITIONS FOR LIVE ATTENUATED VIRUSES  
(73) Takeda Vaccines, Inc.  
(72) Stinchcomb, Dan T.  
Osorio, Jorge E.  
Wiggan, O'Neil  
(74) J.M.H. Duyver lic.  
(31) 910579 P  
(32) 06.04.2007  
(33) United States of America  
(47) 06.05.2020  


---

(51) A61K 39/395  
A61P 35/00  
A61P 37/00  
C07K 16/28  
C07K 16/30  
C07K 16/32  
(11) EP3083689  
(21) EP14828608.1  
(22) 17.12.2014  
(54) ANTI-CD3 ANTIBODIES AND METHODS OF USE  
(73) Genentech, Inc.  
(72) CHEN, Xiaocheng  
DENNIS, Mark S.  
EBENS, Allen J. Jr.  
JUNTTILA, Teemu T.  
KELLEY, Robert F.  
MATHIEU, Mary A.  
SUN, Liping L.  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201361917346 P  
201461949950 P  
201462026594 P  
201462053582 P  
201462091441 P  
(32) 17.12.2013  
07.03.2014  
18.07.2014  
22.09.2014  
12.12.2014  
(33) United States of America  
United States of America  
United States of America  
United States of America  
United States of America  
(47) 27.05.2020  


---

(51) A61K 39/395  
A61P 35/00  
A61P 37/00  
C07K 16/28  
C07K 16/30  
C07K 16/32  
(11) EP3192812  
(21) EP17156352.1  
(22) 17.12.2014  
(54) ANTI-CD3 ANTIBODIES AND METHODS OF USE  
(73) Genentech, Inc.  
(72) DENNIS, Mark S.  
CHEN, Xiaocheng  
EBENS, Allen J., Jr.  
JUNTTILA, Teemu T.  
KELLEY, Robert F.  
MATHIEU, Mary A.  
SUN, Liping L.  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201361917346 P  
201461949950 P  
201462026594 P  
201462053582 P  
201462091441 P  
(32) 17.12.2013  
07.03.2014  
18.07.2014  
22.09.2014  
12.12.2014  
(33) United States of America  
United States of America  
United States of America  
United States of America  
United States of America  
(47) 27.05.2020  


---

(51) A61K 39/395  
A61P 35/00  
C07K 16/28  
C07K 16/30  
C07K 16/46  
(11) EP3221357  
(21) EP15797972.5  
(22) 17.11.2015  
(54) COMMON LIGHT CHAINS AND METHODS OF USE  
(73) F.Hoffmann-La Roche AG  
(72) KLEIN, Christian  
MOESSNER, Ekkehard  
HOSSE, Ralf  
BRUENKER, Peter  
UMANA, Pablo  
JAEGER, Christiane  
(74) drs. C.M.A. Quintelier  
(31) 14194097  
(32) 20.11.2014  
(33) European Patent Office (EPO)  
(47) 03.06.2020  


---

(51) A61K 39/395  
C07K 16/46  
(11) EP2729499  
(21) EP12748555.5  
(22) 06.07.2012  
(54) MULTISPECIFIC MUTATED ANTIBODY FAB FRAGMENTS  
(73) Centre National de la Recherche Scientifique  
Université de Lausanne  
Azienda Ospedaliera Papa Giovanni XXIII  
Kadouche, Jean  
(72) KADOUCHE, Jean  
MACH, Jean-Pierre  
MICHIELIN, Olivier  
ZOETE, Vincent  
IWASZKIEWICZ, Justyna  
CERUTTI, Martine  
CHOBLET, Sylvie  
GOLAY, Josée  
(74) ir. F.A. Geurts c.s.  
(31) 11305872  
(32) 07.07.2011  
(33) European Patent Office (EPO)  
(47) 29.04.2020  


---

(51) A61K 47/54  
(11) EP3079723  
(21) EP14821440.6  
(22) 12.12.2014  
(54) MEMBRANE-PENETRATING PEPTIDES TO ENHANCE TRANSFECTION AND COMPOSITIONS AND METHODS FOR USING SAME  
(73) Life Technologies Corporation  
(72) DE MOLLERAT DU JEU, Xavier  
(74) dr. W.A.H.M. Van Borm  
(31) 201361915429 P  
(32) 12.12.2013  
(33) United States of America  
(47) 27.05.2020  


---

(51) A61K 48/00  
C07H 21/04  
C12N 15/113  
(11) EP2821085  
(21) EP14168602.2  
(22) 13.09.2004  
(54) RNA INTERFERENCE FOR THE TREATMENT OF GAIN-OF-FUNCTION DISORDERS  
(73) University of Massachusetts  
(72) ARONIN, Neil  
ZAMORE, Phillip D  
(74) ir. W.J.J.M. Kempes  
(31) 502678 P  
(32) 12.09.2003

(33) United States of America	OPSTEEN, Johannes Antonius	(31) 15183406
(47) 29.04.2020	(74) ir. J.C. Volmer c.s.	(32) 01.09.2015
(51) A61L 2/07	(31) 12190924	(33) European Patent Office (EPO)
A61L 11/00	(32) 31.10.2012	(47) 29.04.2020
B09B 3/00	(33) European Patent Office (EPO)	(51) A61M 5/20
C10L 5/44	(47) 17.06.2020	(11) EP3013392
C10L 5/46	(51) A61M 1/00	(21) EP14734374.3
(11) EP2051824	(11) EP3338821	(22) 05.06.2014
(21) EP07789092.9	(21) EP17199487.4	(54) ACTIVATOR FOR AN AUTOMATIC INJECTION DEVICE
(22) 01.08.2007	(22) 12.03.2013	(73) Pharma Consult Ges.m.b.H.
(54) RECYCLING OF DOMESTIC WASTE MATERIAL	(54) DRESSING FOR REDUCED PRESSURE WOUND THERAPY	(72) SCHWIRTZ, Andreas
(73) VWP Waste Processing Limited	(73) Smith & Nephew plc	CSENAR, Markus
(72) HALL, Philip	(72) ASKEM, Ben Alan	(74) ir. W.J.J.M. Kempes
(74) ir. F.A. Geurts c.s.	COLLINSON, Sarah Jenny	(31) 5142013
(31) 0615290	FRYER, Christopher John	(32) 24.06.2013
0708405	NICOLINI, Derek	(33) Austria
(32) 01.08.2006	BINDER, Ian	(47) 10.06.2020
01.05.2007	COWAN-HUGHES, John	(51) A61M 15/00
(33) United Kingdom	MOY, Tom	(11) EP2964297
United Kingdom	MULLEN, Paul	(21) EP13708802.7
(47) 06.05.2020	WALSH, Philip	(22) 08.03.2013
(51) A61L 11/00	PRYOR, Neil	(54) INHALER
B01J 19/28	(74) ir. J.D. de Zeeuw	(73) Interquim, S.A.
B09B 3/00	(31) 201261609905 P	Laboratorios Cinfa, S.A.
(11) EP2528699	(32) 12.03.2012	(72) ALTHORPE, Christopher John
(21) EP11701862.2	(33) United States of America	TAYLOR, Jonathan Paul
(22) 28.01.2011	(47) 06.05.2020	(74) J.M.H. Duyver lic.
(54) APPARATUS AND PROCESS FOR TREATING WASTE	(51) A61M 1/00	(47) 06.05.2020
(73) Aerothermal Group Holdings Limited	A61M 1/34	(51) A61M 25/00
(72) TOLL, Ian Cecil	A61M 1/36	(11) EP2015819
TOLL, Christian Andrew Ian	A61M 5/165	(21) EP07758694.9
BAILEY, Nigel Anthony	(11) EP2421583	(22) 16.03.2007
WANG, Zhengjian	(21) EP10715693.7	(54) METHOD OF FORMING A CATHETER SHAFT
(74) ir. M.F.J.M. Ketelaars c.s.	(22) 14.04.2010	(73) Boston Scientific Limited
(31) 201001375	(54) DEVICE, EXTERNAL FUNCTIONAL DEVICE AND TREATMENT DEVICE FOR TREATING MEDICAL FLUIDS	(72) STRONG, Jeffery John
(32) 28.01.2010	(73) Fresenius Medical Care Deutschland GmbH	FLURY, Kristi
(33) United Kingdom	(72) LAUER, Martin	SCRIBNER, Chrismar L.
(47) 29.04.2020	(74) ir. H.A. Witmans c.s.	SJOQUIST, Melissa
(51) A61L 17/10	(31) 102009018664	BELTON, Craig C.
A61L 27/18	102009024467	(74) ir. A.R. Aalbers
A61L 31/06	185604 P	(31) 279985
(11) EP3180040	(32) 23.04.2009	(32) 17.04.2006
(21) EP15750595.9	10.06.2009	(33) United States of America
(22) 07.08.2015	10.06.2009	(47) 03.06.2020
(54) SELF-RETAINING SUTURES OF POLY-4-HYDROXYBUTYRATE AND COPOLYMERS THEREOF	(33) Germany	(51) A61M 25/00
(73) Tepha, Inc.	Germany	(11) EP3040097
(72) RIZK, Said	United States of America	(21) EP14200366.4
WILLIAMS, Simon F.	(47) 27.05.2020	(22) 29.12.2014
(74) dr. W.A.H.M. Van Borm	(51) A61M 5/14	(54) Urinary catheter having a soft tip
(31) 201462037812 P	A61M 5/142	(73) Dentsply IH AB
(32) 15.08.2014	A61M 5/168	(72) Dahlberg, Niklas
(33) United States of America	A61M 39/22	Nyman, Martin
(47) 13.05.2020	(11) EP3138594	(74) ir. W.J.J.M. Kempes
(51) A61L 31/08	(21) EP16184552.4	(47) 13.05.2020
A61L 31/18	(22) 17.08.2016	(51) A61N 1/02
(11) EP2914310	(54) MEDICAL FLUID-FLOW REGULATING DEVICE WITH BLOCKING UNIT	A61N 1/36
(21) EP13795879.9	(73) Medirio SA	G06F 3/05
(22) 31.10.2013	(72) CALASSO, Irio Giuseppe	(11) EP3481491
(54) MEDICAL DEVICES WITH COATINGS FOR ENHANCED ECHOGENICITY	PETERSEN, Einar	(21) EP17768598.9
(73) Encapson B.V.	VON CAPPELEN, Tobias	(22) 06.09.2017
(72) VRIEZEMA, Dennis Manuel	DIETRICH, Klaus	(54) BIASING OF A CURRENT GENERATION ARCHITECTURE FOR AN IMPLANTABLE MEDICAL DEVICE
AYRES, Lee	DE DONATIS, Matteo	(73) Boston Scientific Neuromodulation Corporation
ASRIAN, David	(74) J.M.H. Duyver lic.	

(72) MARNFELDT, Goran, N. WEISS, Philip, L. WEERAKOON, Pujitha WAGENBACH, David, M. FELDMAN, Emanuel GURURAJ, Kiran, K.	201462034017 P 201514812687 (32) 06.08.2014 06.08.2014 06.08.2014 06.08.2014 29.07.2015	LEE, Robin, H. QI, Hong OEHRTMAN, Greg JENNINGS, Robert, N. COLEMAN, Scott, H. (74) ir. M.F.J.M. Ketelaars c.s.
(74) ir. A.R. Aalbers (31) 201662393005 P 201715695984 (32) 10.09.2016 05.09.2017 (33) United States of America United States of America (47) 13.05.2020	(33) United States of America United States of America United States of America United States of America (47) 24.06.2020	(31) 94381 P (32) 04.09.2008 (33) United States of America (47) 29.04.2020
(51) A61N 1/05 A61N 1/36 (11) EP3498333 (21) EP18213544.2 (22) 08.02.2012 (54) LEADS WITH SPIRALLY ARRANGED SEGMENTED ELECTRODES AND METHODS OF MAKING AND USING THE LEADS (73) Boston Scientific Neuromodulation Corporation (72) DIGIORE, Andrew PIANCA, Anne Margaret MOFFITT, Michael Adam (74) ir. A.R. Aalbers (31) 201161440529 P (32) 08.02.2011 (33) United States of America (47) 13.05.2020	(51) A61N 5/06 A61K 41/00 (11) EP3423098 (21) EP17715525.6 (22) 01.03.2017 (54) SYSTEM FOR THERMOTHERAPY TREATMENT OR PREVENTION OF ANTIMICROBIAL RESISTANT OR BIOFILM INFECTIONS (73) Fundació Hospital Universitari Vall d'Hebron - Institut de Recerca Fundacio Institut de Bioenginyeria de Catalunya Institutio Catalana de Recerca I Estudis Avançats (72) GAVALDA SANTAPAU, Joan FRANCO PUNTES, Victor TORRENTS SERRA, Eduard (74) J.M.H. Duyver lic. (31) 201662301946 P (32) 01.03.2016 (33) United States of America (47) 06.05.2020	(31) 1558078 (22) 10.09.2015 (54) LIGANDS THAT POTENTIATE THE BIOACTIVITY OF GONADOTROPINS (73) ReproPharm Vet (72) KARA, Elodie DECOURTYE, Jérémie CASTERET, Sophie MAUREL, Marie-Christine (74) dr. W.A.H.M. Van Borm (31) 1458469 1558078 (32) 10.09.2014 31.08.2015 (33) France France (47) 08.04.2020
(51) A61N 1/362 A61N 1/368 A61N 1/372 A61N 1/375 (11) EP3104935 (21) EP15706116.9 (22) 10.02.2015 (54) MULTI-CHAMBER LEADLESS PACEMAKER SYSTEM WITH INTER- DEVICE COMMUNICATION (73) Cardiac Pacemakers, Inc. (72) STAHMANN, Jeffrey E. (74) ir. H.J.G. Lips c.s. (31) 201461938024 P (32) 10.02.2014 (33) United States of America (47) 24.06.2020	(51) A61P 3/04 (11) EP3079770 (21) EP14761640.3 (22) 09.09.2014 (54) SYNTHETIC MILK COMPOSITIONS FOR INFANTS LESS THAN THREE MONTHS OLD AND FOR INFANTS AND CHILDREN MORE THAN THREE MONTHS FOR ENSURING OPTIMAL GROWTH AND PREVENTING OBESITY (73) Société des Produits Nestlé S.A. (72) DE CASTRO, Carlos Antonio CRUZ-HERNANDEZ, Cristina DESTAILLATS, Frederic GIUFFRIDA, Francesca THAKKAR, Sagar MUKHERJEE, Rajat (74) ir. F.A. Geurts c.s. (31) 13196800 (32) 12.12.2013 (33) European Patent Office (EPO) (47) 13.05.2020	(51) A61P 25/28 C07K 16/18 (11) EP2935326 (21) EP13818637.4 (22) 20.12.2013 (54) HUMAN ANTI-TAU ANTIBODIES (73) Biogen MA Inc. Biogen International Neuroscience GmbH (72) WEINREB, Paul, H. CHEN, Feng GARBER, Ellen, A. GRIMM, Jan MONTRASIO, Fabio (74) ir. W.J.J.M. Kempes (31) 201261745410 P (32) 21.12.2012 (33) United States of America (47) 10.06.2020
(51) A61N 1/372 H04B 13/00 H04L 25/49 (11) EP3194020 (21) EP15749920.3 (22) 30.07.2015 (54) COMMUNICATIONS IN A MEDICAL DEVICE SYSTEM (73) Cardiac Pacemakers, Inc. (72) MAILE, Keith R. KANE, Michael J. HUELSKAMP, Paul JUFFER, Lance E. STAHMANN, Jeffrey E. (74) ir. H.J.G. Lips c.s. (31) 201462033978 P 201462033932 P 201462033998 P	(51) A61P 5/50 (11) EP2341905 (21) EP09812292.2 (22) 04.09.2009 (54) SUSTAINED RELEASE FORMULATIONS USING NON- AQUEOUS CARRIERS (73) Amylin Pharmaceuticals, LLC AstraZeneca Pharmaceuticals LP (72) HOUCHIN, Mary, L.	(51) A61P 35/00 C07K 16/28 C07K 16/30 G01N 33/574 (11) EP2956483 (21) EP14705561.0 (22) 12.02.2014 (54) THERAPEUTIC AND DIAGNOSTIC TARGET FOR CANCER COMPRISING DLL3 BINDING REAGENTS (73) BOEHRINGER INGELHEIM INTERNATIONAL GMBH (72) HUDSON, Lindsey Jane (74) ir. F.A. Geurts c.s. (31) 201302447 (32) 12.02.2013 (33) United Kingdom (47) 27.05.2020 (51) A62B 35/00



E04G 11/38	CONTENT, RELATED METHOD AND	(73) Commissariat à l'Energie Atomique et
E04G 21/32	DEVICE	aux Energies Alternatives
(11) EP3440286	(73) InterDigital CE Patent Holdings	Flowersep
(21) EP17716526.3	(72) DOYEN, Didier	(72) FERAUD, Jean-Pierre
(22) 07.04.2017	DANIEAU, Fabien	RANDRIAMANANTENA, Tojonirina
(54) SAFETY POST	GUILLOTTEL, Philippe	SALEMI, Laurent
(73) Peri GmbH	FLEUREAU, Julien	BOURCIER, Damien
(72) KELLER, Martin	(74) ir. M.F.J.M. Ketelaars c.s.	CHEZAUD, David
BORNACK, Martin	(31) 15306184	BORTOLIN, Etienne
(74) dr. W.A.H.M. Van Borm	(32) 21.07.2015	(74) ir. F.A. Geurts c.s.
(31) 102016106533	(33) European Patent Office (EPO)	(31) 1562426
(32) 08.04.2016	(47) 24.06.2020	(32) 15.12.2015
(33) Germany	(51) B01D 1/06	(33) France
(47) 03.06.2020	B01D 1/22	(47) 06.05.2020
(51) A62B 35/04	B01D 3/14	(51) B01D 29/01
B64D 17/36	C10G 3/00	B01D 39/08
F16F 7/00	C10L 1/18	B01D 61/00
(11) EP3484591	C11B 13/00	C12M 1/12
(21) EP18707148.5	(11) EP2930231	(11) EP2732021
(22) 01.02.2018	(21) EP15168211.9	(21) EP12811005.3
(54) DEVICE FOR BRAKING THE FALL OF A	(22) 25.11.2011	(22) 29.06.2012
LOAD	(54) PROCESS AND APPARATUS	(54) IMPROVED DEPTH FILTERS FOR
(73) ALUDESIGN S.p.A.	FOR PURIFYING MATERIAL OF	DISPOSABLE BIOTECHNOLOGICAL
(72) PAGLIOLI, Carlo	BIOLOGICAL ORIGIN	PROCESSES
FORNI, Stefano	(73) UPM-Kymmene Corporation	(73) EMD Millipore Corporation
(74) dr. G. Visser-Luirink	(72) Nousiainen, Jaakko	(72) SINGH, Nripen
(31) 201700011637	Laumola, Heli	CHENG, Kwok-Shun
(32) 02.02.2017	Rissanen, Arto	(74) dr. W.A.H.M. Van Borm
(33) Italy	Kotoneva, Jari	(31) 201161571994 P
(47) 20.05.2020	Ristolainen, Matti	(32) 08.07.2011
(51) A62C 35/62	(74) mr.ir. F.N. Ferro	(33) United States of America
A62C 35/64	(31) 20106252	(47) 27.05.2020
(11) EP2864002	20115217	(51) B01D 33/09
(21) EP12766111.4	20115723	(11) EP3263205
(22) 25.06.2012	(32) 26.11.2010	(21) EP17178656.9
(54) PREACTION SPRINKLER SYSTEM	03.03.2011	(22) 29.06.2017
OPERATION BOOSTER	06.07.2011	(54) VACUUM AND/OR PRESSURE DRUM
(73) Marioff Corporation Oy	(33) Finland	FILTER DEVICE
(72) NIKKARILA, Juha-Pekka	Finland	(73) Andritz KMPT GmbH
(74) ir. M.F.J.M. Ketelaars c.s.	Finland	(72) KNOBLOCH, Wolfgang
(47) 13.05.2020	(47) 17.06.2020	SCHERER, Dieter
(51) A63B 69/36	(51) B01D 17/06	(74) ir. A.R. Aalbers
E01C 3/00	B03C 11/00	(31) 102016111924
E01C 11/22	C10G 33/02	(32) 29.06.2016
E01C 13/02	(11) EP3408002	(33) Germany
E01C 13/08	(21) EP17705560.5	(47) 06.05.2020
E04B 1/98	(22) 27.01.2017	(51) B01D 46/00
(11) EP3332066	(54) METHODS FOR THE SEPARATION	B01D 46/24
(21) EP16747571.4	OF AT LEAST ONE EMULSION BY	B01L 1/04
(22) 27.07.2016	APPLYING AN ELECTRICAL FIELD	B08B 15/02
(54) SPORTS PITCH AND METHOD OF	(73) Borealis AG	F24F 3/16
CONSTRUCTING SAME	(72) LEITNER, Andreas	F24F 13/28
(73) Notts Sport Group Limited	SCHADENBÖCK, Michael	(11) EP2918939
(72) BENNETT, Duncan	MUSTER, Udo	(21) EP15000740.9
FOXON, Steve	(74) ir. H.A. Witmans c.s.	(22) 12.03.2015
(74) J.M.H. Duyver lic.	(31) 16153408	(54) FILTER CARTRIDGE FOR A SAFETY
(31) 201513837	(32) 29.01.2016	WORKBENCH AND SAFETY
(32) 05.08.2015	(33) European Patent Office (EPO)	WORKBENCH WITH AT LEAST ONE
(33) United Kingdom	(47) 10.06.2020	FILTER CARTRIDGE
(47) 01.07.2020	(51) B01D 29/01	(73) BERNER INTERNATIONAL GmbH
(51) A63G 31/16	B01D 29/90	(72) Hinrichs, Thomas
G06F 3/01	G01N 33/28	Gragert, Sven
A63J 25/00	(11) EP3389816	(74) ir. M.B. Plaggenborg
(11) EP3121689	(21) EP16809424.1	(31) 102014003486
(21) EP16179100.9	(22) 14.12.2016	(32) 14.03.2014
(22) 12.07.2016	(54) APPARATUS FOR FILTERING A	(33) Germany
(54) SIGNAL FOR CARRYING WASHOUT	SUSPENSION	(47) 06.05.2020
REQUEST IN HAPTIC AUDIOVISUAL		(51) B01D 53/14

B01D 53/62	C10L 3/10	(33) Germany
B01D 53/84	(11) EP3347441	(47) 13.05.2020
C12F 3/02	(21) EP16844869.4	(51) B01J 2/08
C12N 9/88	(22) 12.08.2016	B01J 4/00
(11) EP2632570	(54) HYDROCARBON SOLUBLE/ DISPERSIBLE HEMIFORMALS AS HYDROGEN SULFIDE SCAVENGERS	B01J 13/02
(21) EP11835402.6	(73) Ecolab USA Inc.	B01J 19/20
(22) 28.10.2011	(72) RANA, Geeta	(11) EP2675559
(54) ENZYME ENHANCED C02 DESORPTION PROCESSES	(74) BURRELL, Christopher, Thomas dr. W.A.H.M. Van Borm	(21) EP12747099.5
(73) SAIPEM S.p.A.	(31) 201562215547 P	(22) 16.02.2012
(72) PENDERS, Nathalie J.M.C DERKS, Peter, W.J. VERSTEEG, Geert, F. FRADETTE, Sylvie	(32) 08.09.2015	(54) MANUFACTURE OF MICROSPHERES USING A HYDROCYCLONE
(74) ir. M.F.J.M. Ketelaars c.s.	(33) United States of America	(73) Oakwood Laboratories, Llc
(31) 344869 P	(47) 10.06.2020	(72) THANOO, Bagavathikanun, Chithambara SMITH, Edward, Caldwell
(32) 29.10.2010	(51) B01D 61/36	(47) SMITH, Mark
(33) United States of America	B01D 63/02	(74) J.M.H. Duyver lic.
(47) 29.04.2020	(11) EP3046659	(31) 201113028764
(51) B01D 53/14	(21) EP14777441.8	(32) 16.02.2011
B01J 19/00	(22) 13.09.2014	(33) United States of America
C01B 17/765	(54) USE OF A HOLLOW FIBRE MEMBRANE MODULE WITH IMPROVED FLUID FLOW DISTRIBUTION FOR OSMOTIC MEMBRANE DISTILLATION	(47) 10.06.2020
C01B 17/78	(73) Chemetics Inc.	(51) B01J 13/14
C01B 17/79	(72) LASHKARI, Siamak	B01J 13/18
C01B 17/80	(74) DRACKETT, Thomas WEST, Taleitha FAN, Yaoguo MOK, Felix	C11D 3/50
(11) EP3371101	(74) J.M.H. Duyver lic.	(11) EP3247490
(21) EP16784921.5	(31) 201361879291 P	(21) EP16701461.2
(22) 24.10.2016	(32) 18.09.2013	(22) 22.01.2016
(54) METHOD AND PLANT DESIGN FOR REDUCTION OF START-UP SULFUR OXIDE EMISSIONS IN SULFURIC ACID PRODUCTION	(33) United States of America	(54) PROCESS FOR THE PREPARATION OF MICROCAPSULES FREE FROM MELAMINE-FORMALDEHYDE
(73) Haldor Topsøe A/S	(47) 20.05.2020	(73) Firmenich SA
(72) GRANROTH, Mårten Nils Rickard SØRENSEN, Per Aggerholm CHRISTENSEN, Kurt, Agerbæk	(51) B01D 67/00	(72) STRUILLLOU, Arnaud PICHON, Nicolas BELLOUARD, Claudie
(74) ir. J.C. Volmer c.s.	B01D 69/08	(74) ir. H.A. Witmans c.s.
(31) 201500697	B01D 71/02	(31) 15152351
(32) 06.11.2015	(11) EP3197592	(32) 23.01.2015
(33) Denmark	(21) EP15771316.5	(33) European Patent Office (EPO)
(47) 17.06.2020	(22) 03.09.2015	(47) 29.04.2020
(51) B01D 53/14	(54) PREPARATION OF CARBON MOLECULAR SIEVE (CMS) HOLLOW FIBER MEMBRANES FROM PRE- OXIDIZED POLYIMIDES	(51) B01J 13/16
C01B 3/52	(73) Dow Global Technologies LLC	B01J 23/50
(11) EP3229939	(72) XU, Liren	B01J 31/00
(21) EP15804073.3	(74) ir. J.D. de Zeeuw	B01J 35/00
(22) 26.11.2015	(31) 201462054427 P	B01J 37/00
(54) PROCESS AND PLANT FOR THE PURIFICATION OF RAW SYNTHESIS GAS	(32) 24.09.2014	(11) EP2883606
(73) L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude	(33) United States of America	(21) EP13196685.5
(72) MEYER, Manfred	(47) 13.05.2020	(22) 11.12.2013
(74) ir. M.F.J.M. Ketelaars c.s.	(51) B01F 11/00	(54) Polymer capsules comprising catalysts
(31) 102014118345	B01F 15/00	(73) Leibniz-Institut für Polymerforschung Dresden e.V.
(32) 10.12.2014	B65D 88/66	(72) Horecha, Marta Horechyy, Andriy Stamm, Manfred
(33) Germany	(11) EP3117896	(74) ir. H.A. Witmans c.s.
(47) 10.06.2020	(21) EP16175173.0	(47) 29.04.2020
(51) B01D 53/52	(22) 20.06.2016	(51) B01J 19/08
C01B 17/16	(54) SYSTEM COMPRISING A MIXING CONTAINER AND AN EMPTYING STATION	H02N 3/00
C07C 43/03	(73) Dr. HERFELD GmbH & Co. KG	H05B 6/00
C07C 43/10	(72) RÜBERG, Wolfgang TÖLLE, Ulrich	H05H 1/16
C07C 43/13	(74) dr. W.A.H.M. Van Borm	(11) EP3494634
C07C 43/14	(31) 202015103285 U	(21) EP17748877.2
C07C 43/178	(32) 23.06.2015	(22) 26.07.2017
C10G 21/16		(54) ENERGY TRANSFER METHOD AND SYSTEM
C10G 29/00		(73) HYDROGEN UNIVERSE LTD
C10G 29/22		(72) CLARKE, Tanya
		(74) ir. F.A. Geurts c.s.
		(31) 201613491
		(32) 05.08.2016

(33) United Kingdom	ZIRNGIEBL, Eberhard	OR MIXTURES OF BUTANES AND BUTENES TO GIVE 1,3-BUTADIENE
(47) 13.05.2020	KURR, Patrick	
(51) B01J 20/26	(74) ir. W.J.J.M. Kempes	(73) VERSALIS S.P.A.
B01J 31/16	(31) 14192010	(72) IEZZI, Rodolfo
C08F 14/18	(32) 06.11.2014	MANZINI, Giulio
C08J 5/18	(33) European Patent Office (EPO)	POLLESEL, Paolo
C08J 9/00	(47) 13.05.2020	DEL SEPPIA, Alessandro
C08K 5/56	(51) B01J 21/04	(74) J.M.H. Duyver lic.
C08K 7/02	B01J 23/72	(31) MI20112403
(11) EP3311913	B01J 23/78	(32) 28.12.2011
(21) EP17202126.3	B01J 23/889	(33) Italy
(22) 24.03.2015	B01J 27/122	(47) 06.05.2020
(54) POROUS FILMS COMPRISING METAL-ORGANIC FRAMEWORK MATERIALS	B01J 27/138	(51) B01J 29/72
(73) BASF SE	B01J 35/02	B01J 29/74
(72) Schwab, Matthias Georg	B01J 35/10	B01J 35/00
Maurer, Stefan	B01J 37/02	B01J 35/10
Bartuli, Waldemar	C07C 17/156	B01J 37/02
Müller, Ulrich	(11) EP2914378	B01J 37/08
(74) ir. W.J.J.M. Kempes	(21) EP13851413.8	C01B 39/48
(31) 14162018	(22) 06.11.2013	C07C 5/27
(32) 27.03.2014	(54) CATALYST FOR THE	C07C 9/22
(33) European Patent Office (EPO)	OXYCHLORINATION OF ETHYLENE	C10G 45/62
(47) 06.05.2020	TO 1, 2-DICHLOROETHANE	C10G 45/64
(51) B01J 21/04	(73) BASF Corporation	C10G 47/16
B01J 23/44	(72) TOMPERS, Rolf	C10G 49/08
B01J 35/00	KRAMER, Keith	(11) EP2559483
B01J 35/02	(74) dr. W.A.H.M. Van Borm	(21) EP11769000.8
B01J 35/08	(31) 201214072057	(22) 25.03.2011
B01J 35/10	201261723009 P	(54) CATALYST FOR A HYDROGENATION
B01J 37/02	(32) 05.11.2012	DEWAXING PROCESS AND METHOD
B01J 37/08	06.11.2012	FOR MANUFACTURING SAME
B01J 37/10	(33) United States of America	(73) SK Innovation Co., Ltd.
B01J 37/16	United States of America	(72) KIM, Tae Jin
C07C 5/05	(47) 20.05.2020	LEE, Seung Woo
C07C 7/163	(51) B01J 23/00	LEE, Yoon Kyung
C07C 7/167	B01J 23/10	OH, Seung Hoon
C10G 70/02	B01J 23/83	CHOI, Jae Suk
(11) EP3326713	B01J 35/00	(74) ir. M.F.J.M. Ketelaars c.s.
(21) EP17306379.3	B01J 35/02	(31) 20100034451
(22) 12.10.2017	B01J 35/10	(32) 14.04.2010
(54) CATALYST FOR SELECTIVE	B01J 37/03	(33) Korea (Republic)
HYDROGENATION OF A C3	C07C 68/00	(47) 27.05.2020
HYDROCARBON FRACTION	(11) EP3274326	(51) B01L 3/00
(73) IFP Energies nouvelles	(21) EP16722396.5	(11) EP3140040
(72) BOUALLEG, Malika	(22) 23.03.2016	(21) EP15725519.1
AVENIER, Priscilla	(54) A PROCESS FOR THE SYNTHESIS OF	(22) 08.05.2015
(74) ir. W.J.J.M. Kempes	DIALKYL CARBONATES	(54) SAMPLE APPLICATOR FOR POINT OF
(31) 1661622	(73) Council of Scientific & Industrial	CARE DEVICE
(32) 29.11.2016	Research	(73) Radisens Diagnostics Ltd.
(33) France	(72) RANADE, Vivek, Vinayak	(72) O'BRIEN, Jerry
(47) 13.05.2020	KELKAR, Ashutosh, Anant	DOOLAN, David
(51) B01J 21/04	RANE, Vilas, Hari	(74) J.M.H. Duyver lic.
B01J 23/63	KINAGE, Anil, Kisan	(31) 201461990611 P
B01J 23/656	SHINGOTE, Savita, Kiran	14167545
B01J 35/08	ROY, Lalita, Sanjib	(32) 08.05.2014
B01J 35/10	(74) ir. H.A. Witmans c.s.	08.05.2014
B01J 37/02	(31) 794DE2015	(33) United States of America
B01J 37/18	(32) 23.03.2015	European Patent Office (EPO)
C07C 37/06	(33) India	(47) 06.05.2020
C07C 39/15	(47) 06.05.2020	(51) B01L 3/04
(11) EP3215269	(51) B01J 23/58	G01N 5/04
(21) EP15777687.3	B01J 23/62	G01N 35/02
(22) 07.10.2015	C07C 5/333	(11) EP2458388
(54) PROCESS FOR PRODUCING	(11) EP3205397	(21) EP11009494.3
ORTHOPHENYLPHENOL (OPP)	(21) EP17162823.3	(22) 30.11.2011
(73) Lanxess Deutschland GmbH	(22) 24.12.2012	(54) A method of using a stackable crucible
(72) LARCHER, Christoph	(54) PROCESS FOR THE	(73) Las Navas Garcia, Jose Maria
	DEHYDROGENATION OF BUTENES	(72) Las Navas Garcia, Jose Maria

(74) ir. W.J.J.M. Kempes	B21C 37/09	(21) EP17740103.1
(31) 956229	(11) EP3600694	(22) 19.06.2017
(32) 30.11.2010	(21) EP18714219.5	(54) ADJUSTABLE MOULD
(33) United States of America	(22) 26.03.2018	(73) VLM
(47) 13.05.2020	(54) METHOD FOR COATING A PIPE AND COATING SYSTEM	(72) VANGOMPEL, Carlo
(51) B02C 18/36	(73) InProCoat Holding GmbH	(74) J.M.H. Duyver lic.
(11) EP2969226	(72) DOEGE, Jörg	(31) 201605474
(21) EP14778291.6	(72) BECKER, Otmar	(32) 24.06.2016
(22) 10.02.2014	MÖLLER, Lars	(33) Belgium
(54) DUAL TAPERED ORIFICE PLATE FOR A GRINDING MACHINE	(74) ir. J.C. Volmer c.s.	(47) 13.05.2020
(73) Weiler and Company, Inc.	(31) 102017106979	(51) B21F 23/00
(72) WIGHT, E., William	(32) 31.03.2017	(11) EP3468731
(74) ir. H.A. Witmans c.s.	(33) Germany	(21) EP17730125.6
(31) 201313793868	(47) 13.05.2020	(22) 12.06.2017
(32) 11.03.2013	(51) B07C 1/06	(54) APPARATUS AND METHOD FOR HANDLING METAL PRODUCTS
(33) United States of America	B07C 5/02	(73) M.E.P. Macchine Elettroniche Piegatrici S.p.A.
(47) 29.04.2020	B07C 5/16	(72) DEL FABRO, Giorgio
(51) B05B 1/34	B07C 5/342	(74) ir. J.C. Volmer c.s.
B05B 11/00	B07C 5/38	(31) UA20164323
B65D 83/76	B25J 9/00	(32) 13.06.2016
(11) EP3097983	B25J 11/00	(33) Italy
(21) EP14879631.1	B65B 5/10	(47) 27.05.2020
(22) 29.12.2014	B65B 5/12	(51) B21J 15/02
(54) TRIGGER-TYPE SPRAYER	B65B 25/06	(11) EP2969299
(73) Canyon Corporation	B65B 35/38	(21) EP14721073.6
(72) TADA, Tetsuya	B65B 35/44	(22) 13.03.2014
(74) ir. H.A. Witmans c.s.	B65B 43/52	(54) EXTREME OFFSET NOSE ASSEMBLY WITH SECONDARY BEARING
(31) 2014009919	B65B 43/56	(73) Howmet Aerospace Inc.
(32) 22.01.2014	B65B 57/14	(72) WILCOX, Robert
(33) Japan	B65G 21/14	GOUGOUTRIS, Nicholas
(47) 22.07.2020	B65G 47/08	(74) ir. M.F.J.M. Ketelaars c.s.
(51) B05B 7/16	B65G 47/28	(31) 201361791024 P
B05B 7/20	B65G 47/31	(32) 15.03.2013
B32B 15/01	G01G 19/30	(33) United States of America
B32B 15/08	G01G 19/38	(47) 08.07.2020
C09D 5/10	(11) EP3318498	(51) B22C 15/24
C22C 21/06	(21) EP16197844.0	(11) EP2511026
C23C 4/06	(22) 08.11.2016	(21) EP12001336.2
C23C 4/08	(54) METHOD AND DEVICE FOR PACKAGING GROUPS OF OBJECTS	(22) 29.02.2012
C23C 4/12	(73) Poly-clip System GmbH & Co. KG	(54) Method for replacing a filter board of a core shooting assembly
(11) EP3101151	(72) HOFSCHULTE, Jens	(73) Lüber GmbH
(21) EP15742600.8	KREIENBORG, Marco	(72) Asal, Jürgen
(22) 27.01.2015	(74) ir. F.A. Geurts c.s.	(74) ir. W.J.J.M. Kempes
(54) CORROSION-RESISTANT SPRAYED COATING AND METHOD FOR FORMING SAME	(47) 27.05.2020	(31) 6802011
(73) Yoshikawa Kogyo Co., Ltd.	(51) B21B 1/36	(32) 16.04.2011
(72) KURAHASHI, Ryurou	B21D 53/64	(33) Switzerland
MORIMOTO, Toshiharu	B26B 21/14	(47) 06.05.2020
SHIN, Yoshio	B26B 21/22	(51) B22D 37/00
OTSUBO, Fumiaki	B26B 21/40	B22D 41/01
OMORI, Yasuhiro	B26B 21/56	B22D 41/18
KUMAI, Takashi	(11) EP2419247	(11) EP3274115
NISHIURA, Yusuke	(21) EP09779297.2	(21) EP16767579.2
HOTTA, Toshifumi	(22) 15.04.2009	(22) 21.03.2016
(74) ir. M.F.J.M. Ketelaars c.s.	(54) Method of manufacturing a razor head component, support obtained thereby and razor cartridge and razor comprising said support	(54) HEATED CONTROL PIN
(31) 2014017943	(73) BIC-Violex S.A.	(73) Pyrotek High-temperature Industrial Products Inc.
(32) 31.01.2014	(72) KEMOS, George	(72) TREMBLAY, Sylvain
(33) Japan	PISSIMISSIS, Dimitris	BOUCHARD, Jens
(47) 03.06.2020	(74) dr. W.A.H.M. Van Borm	BOUCHARD, Michael
(51) B05B 12/12	(47) 27.05.2020	(74) ir. H.A. Witmans c.s.
B05B 13/02	(51) B21D 5/02	(31) 201562138755 P
B05D 1/00	B21D 5/06	(32) 26.03.2015
B05D 1/12	B21D 37/02	(33) United States of America
B05D 3/02	(11) EP3475007	
B05D 3/04		
B05D 7/14		

(47) 03.06.2020	(51) B22F 1/00	B23K 37/053
(51) B22D 41/14	B22F 3/22	(11) EP2531323
B22D 41/18	C22C 33/02	(21) EP10763532.8
C21B 7/12	C22C 38/42	(22) 24.09.2010
F27B 13/06	(11) EP3362210	(54) PORTABLE WELD COOLING SYSTEMS
F27D 3/15	(21) EP16778335.6	(73) Fast Fusion LLC
(11) EP3237131	(22) 05.10.2016	(72) MCKINLEY, Richard, S.
(21) EP15871343.8	(54) IRON BASED POWDERS FOR	(74) dr. A. Krebs
(22) 14.12.2015	POWDER INJECTION MOLDING	(31) 701527
(54) METHOD OF SEALING AND	(73) Höganäs AB (publ)	(32) 06.02.2010
REPAIRING A REFRACTORY TAP	(72) LARSSON, Anna	(33) United States of America
HOLE	(31) 15189896	(47) 29.04.2020
(73) Tata Steel Limited	(32) 15.10.2015	(51) B24B 5/36
(72) PILOTE, Jacques	(33) European Patent Office (EPO)	B24B 5/50
DRY, Rodney James	(47) 06.05.2020	B29D 30/54
(74) ir. J.C. Volmer c.s.	(51) B22F 1/00	(11) EP3436255
(31) 2014905218	B22F 7/08	(21) EP17714378.1
(32) 23.12.2014	B23K 35/02	(22) 20.03.2017
(33) Australia	C04B 37/00	(54) SCULPTURED DRUM FOR GROOVE
(47) 29.04.2020	C04B 37/02	SUPPORT IN RETREAD FINISHING
(51) B22F 1/00	H01B 1/22	(73) Compagnie Générale des
B22F 3/00	H01L 21/52	Etablissements Michelin
B22F 3/105	H01L 23/00	(72) PAN, Chinglin
C06B 21/00	(11) EP3348338	BURGESS, Mike, Leon
C06B 45/00	(21) EP16844406.5	(74) ir. H.A. Witmans c.s.
C06C 15/00	(22) 07.09.2016	(31) PCT/US2016/025232
C09D 11/101	(54) COPPER PASTE FOR JOINING,	(32) 31.03.2016
B33Y 10/00	METHOD FOR PRODUCING	(33) World Intellectual Property Office (WIPO)
B33Y 80/00	JOINED BODY, AND METHOD FOR	(47) 06.05.2020
(11) EP3498400	PRODUCING SEMICONDUCTOR	(51) B24C 1/10
(21) EP18210187.3	DEVICE	B24C 3/32
(22) 04.12.2018	(73) Hitachi Chemical Company, Ltd.	(11) EP3107688
(54) PROCESS OF MAKING A	(72) KAWANA Yuki	(21) EP15715140.8
PYROTECHNIC MATERIAL	KURAFUCHI Kazuhiko	(22) 19.02.2015
(73) ArianeGroup SAS	EJIRI Yoshinori	(54) METHOD FOR SHOT PEENING A
(72) HOLSTEIN, Audrey	NAKAKO Hideo	PIPE INNER WALL OF A CURVED
ROCTON, Hugues	SUGAMA Chie	WORKPIECE HAVING A WORKPIECE
MARIS, Margot	ISHIKAWA Dai	BORE, AND BLASTING NOZZLE UNIT
WOIRIN, Karol	(74) ir. A. Blokland c.s.	AND BLASTING CHAMBER SYSTEM
(74) drs. P.F.H.M. van Someren c.s.	(31) 2015176068	THEREFOR
(31) 1701297	(32) 07.09.2015	(73) Wheelabrator Group GmbH
(32) 12.12.2017	(33) Japan	(72) BUßKAMP, Bernhard
(33) France	(47) 10.06.2020	(74) ir. W.J.J.M. Kempes
(47) 13.05.2020	(51) B22F 1/00	(31) 102014102147
(51) B22F 1/00	B22F 7/08	(32) 19.02.2014
B22F 3/10	C09J 1/00	(33) Germany
B23K 35/02	H01L 21/52	(47) 06.05.2020
B23K 35/30	H01L 23/00	(51) B24D 3/00
B23K 35/36	H01L 23/367	B24D 11/00
B23K 35/365	(11) EP3348336	B24D 11/02
H01B 1/16	(21) EP16844401.6	D21H 13/20
H01B 1/22	(22) 07.09.2016	D21H 13/24
H01L 23/00	(54) JOINED BODY AND SEMICONDUCTOR	D21H 15/02
(11) EP3395477	DEVICE	D21H 17/37
(21) EP18169529.7	(73) Hitachi Chemical Company, Ltd.	D21H 19/20
(22) 26.04.2018	(72) NAKAKO Hideo	D21H 19/82
(54) METAL POWDER SINTERING	KURAFUCHI Kazuhiko	D21H 19/84
PASTE, METHOD FOR PRODUCING	EJIRI Yoshinori	D21H 21/14
THE SAME, AND METHOD FOR	ISHIKAWA Dai	D21H 27/00
PRODUCING CONDUCTIVE MATERIAL	SUGAMA Chie	(11) EP3134572
(73) NICHIA CORPORATION	KAWANA Yuki	(21) EP15720547.7
(72) Kunimune, Teppei	(74) ir. A. Blokland c.s.	(22) 24.04.2015
Kuramoto, Masafumi	(31) 2015176067	(54) ABRASIVE BACKERS AND METHODS
(74) J.M.H. Duyver lic.	(32) 07.09.2015	OF THEIR FORMATION
(31) 2017090197	(33) Japan	(73) Neenah Paper, Inc.
(32) 28.04.2017	(47) 13.05.2020	(72) VERVACKE, Steven, L.
(33) Japan	(51) B23K 37/00	(74) J.M.H. Duyver lic.
(47) 08.07.2020	B23K 37/02	(31) 201461983648 P

201462063571 P	(74) ir. M.F.J.M. Ketelaars c.s.	(47) 06.05.2020
(32) 24.04.2014	(31) 201361907073 P	(51) B29B 15/12
14.10.2014	14153723	B29K 27/00
(33) United States of America	(32) 21.11.2013	B29K 27/18
United States of America	03.02.2014	B29K 31/00
(47) 10.06.2020	(33) United States of America	B29K 33/00
(51) B25C 1/08	European Patent Office (EPO)	B29K 67/00
C06B 47/00	(47) 17.06.2020	B29K 71/00
C06D 5/08	(51) B26D 3/00	B29K 77/00
C10L 3/00	F16L 1/028	B29K 79/00
(11) EP3262017	F16L 55/165	B29K 81/00
(21) EP15830931.0	(11) EP3430298	B29K 101/12
(22) 22.12.2015	(21) EP17715826.8	(11) EP3418014
(54) FUEL AND PROPELLANT	(22) 20.03.2017	(21) EP18178988.4
COMPOSITION FOR COMBUSTION	(54) DEVICE AND METHOD FOR	(22) 21.06.2018
TOOLS	DEFORMING A CONDUIT	(54) METHOD FOR PRODUCING A
(73) Illinois Tool Works Inc.	(73) Callidus Capital B.V.	FIBROUS MATERIAL IMPREGNATED
(72) VANSTAAN, Valery H.	(72) KUIPERS, Albert Jan	WITH THERMOPLASTIC POLYMER
(74) ir. W.J.J.M. Kempes	PULL TER GUNNE, Erik Martijn	(73) ARKEMA FRANCE
(31) 201514631314	VAN DER PLAATS, Lieuwe Tjeerd	(72) HOCHSTETTER, Gilles
(32) 25.02.2015	VEENSTRA, Feitze	CAPELOT, Mathieu
(33) United States of America	VAN DALFSEN, Dirk Jan	SAVART, Thibaut
(47) 13.05.2020	STROET, Wilhelmus Hendrikus Cornelis	BABEAU, Arthur Pierre
(51) B25J 9/00	METZ, Anne Jan	HUZE, Denis
B25J 9/16	STUIVER, Michel	TANGUY, François
B25J 11/00	(74) ir. H.A. Witmans c.s.	GAILLARD, Patrice
B26D 1/00	(31) 2016455	(74) ir. M.F.J.M. Ketelaars c.s.
B26D 1/547	(32) 18.03.2016	(31) 1755706
B26D 3/00	(33) Netherlands	(32) 22.06.2017
B26D 5/00	(47) 06.05.2020	(33) France
B26D 5/06	(51) B26F 1/14	(47) 01.07.2020
B26D 5/08	B29C 51/22	(51) B29C 41/00
B26D 7/01	B29C 51/26	B29C 41/08
B26F 3/08	B29C 51/44	B29C 41/22
G05B 19/4099	(11) EP3492238	B29K 75/00
G06T 17/20	(21) EP17205164.1	B29L 31/30
G06T 17/30	(22) 04.12.2017	C08G 18/22
(11) EP3429810	(54) THERMOFORMING MACHINE	C08G 18/24
(21) EP17710294.4	(73) Gabler Thermoform GmbH & Co. KG	C08G 18/28
(22) 14.03.2017	(72) Grolla, Peter	C08G 18/32
(54) ROBOTIC SYSTEM AND METHOD FOR	(74) ir. H.A. Witmans c.s.	C08G 18/48
MANUFACTURING OF OBJECTS	(47) 10.06.2020	C08G 18/66
(73) Danmarks Tekniske Universitet	(51) B29B 9/06	C08G 18/79
(72) GRAVESEN, Jens	B29B 9/14	(11) EP3559070
BRANDER, David	B65H 49/10	(21) EP18719211.7
BÆRENTZEN, Jakob, Andreas	B65H 69/06	(22) 27.04.2018
MARKVORSEN, Steen	C08J 5/06	(54) ELASTOMERIC COMPOSITE
BJERGE NØRBJERG, Toke	(11) EP2206591	POLYURETHANE SKINS
HORNBKAK STEENSTRUP, Kasper	(21) EP08836118.3	(73) RECTICEL Automobilsysteme GmbH
(74) ir. W.J.J.M. Kempes	(22) 19.09.2008	(72) BOUCKAERT, Jean-Christophe
(31) 16160088	(54) METHOD FOR MANUFACTURING	VANLANDSCHOOT, Koen
(32) 14.03.2016	CONTINUOUS-FIBER-REINFORCED	(74) ir. W.J.J.M. Kempes
(33) European Patent Office (EPO)	THERMOPLASTIC RESIN PELLETT	(31) 17168750
(47) 06.05.2020	(73) Kabushiki Kaisha Kobe Seiko Sho	(32) 28.04.2017
(51) B26D 1/36	(72) TASHIRO, Naoyuki	(33) European Patent Office (EPO)
B26D 1/40	FUJIURA, Takayasu	(47) 13.05.2020
B26D 1/62	TAKAMURA, Kaduya	(51) B29C 45/14
B26D 3/28	ZENKE, Seiji	F16L 41/08
B26D 7/06	(74) ir. H.A. Witmans c.s.	F16L 47/24
B26D 7/26	(31) 2007258945	(11) EP3488136
(11) EP3071380	2007279195	(21) EP16754579.7
(21) EP14802863.2	2008043221	(22) 25.07.2016
(22) 21.11.2014	(32) 02.10.2007	(54) SUPPORT ASSEMBLY
(54) KNIFE ASSEMBLY FOR FLAT KNIFE	26.10.2007	(73) Kongsberg Actuation Systems II, Inc.
BLADE AND CUTTING SYSTEM	25.02.2008	(72) HIDLEY, Scott
EQUIPPED WITH SAME	(33) Japan	(74) ir. M.F.J.M. Ketelaars c.s.
(73) FAM	Japan	(47) 13.05.2020
(72) BUCKS, Brent	Japan	(51) B29C 45/27

B29C 45/30	C08F 210/16	(74) J.M.H. Duyver lic.
(11) EP3191287	C08L 23/08	(31) 202012101540 U
(21) EP15775361.7	(11) EP3209723	(32) 25.04.2012
(22) 10.09.2015	(21) EP15791422.7	(33) Germany
(54) METHOD AND INJECTION-MOULDING	(22) 21.10.2015	(47) 17.06.2020
NOZZLE FOR PRODUCING	(54) POLYMERS WITH IMPROVED	(51) B32B 33/00
INJECTION-MOULDED PARTS FROM	PROCESSABILITY FOR PIPE	B32B 37/00
PLASTIC	APPLICATIONS	B32B 37/24
(73) Haidlmair Holding GmbH	(73) Chevron Phillips Chemical Company LP	B32B 38/00
(72) KOLNBERGER, Patrick	(72) ROHATI, Vivek	G02F 1/1333
WINDHAGER, Willibald	INN, Yongwoo	G02F 1/33
(74) ir. J.C. Volmer c.s.	SUKHADIA, Ashish M	G06F 3/041
(31) 506312014	YANG, Qing	G06F 3/044
(32) 10.09.2014	DESLAURIERS, Paul J.	(11) EP3051391
(33) Austria	(74) dr. W.A.H.M. Van Borm	(21) EP14848961.0
(47) 06.05.2020	(31) 201414522991	(22) 21.07.2014
(51) B29D 30/00	(32) 24.10.2014	(54) TOUCH PANEL
(11) EP3418045	(33) United States of America	(73) TPK Touch Solutions (Xiamen) Inc.
(21) EP18162730.8	(47) 13.05.2020	(72) LIN, Chingshan
(22) 20.03.2018	(51) B32B 3/10	WU, Chunyan
(54) DEVICE AND METHOD FOR TREATING	F23D 14/14	Ji, Lianjie
RAW TYRES WITH ELECTRON BEAMS	(11) EP2419268	FANG, Fang
(73) Continental Reifen Deutschland GmbH	(21) EP10764940.2	(74) drs. P.F.H.M. van Someren c.s.
(72) Soetbeer, Inga	(22) 08.04.2010	(31) 201310454870
Schramm, Oliver	(54) HIGH TEMPERATURE FIBER	201410243785
Reitmann, Sebastian	COMPOSITE BURNER SURFACE	201410244190
Lohner, Alexander	(73) ALZETA CORPORATION	(32) 29.09.2013
(74) ir. W.J.J.M. Kempes	(72) SULLIVAN, John, D.	04.06.2014
(31) 102017210338	(74) ir. M.F.J.M. Ketelaars c.s.	04.06.2014
(32) 21.06.2017	(31) 424457	(33) China
(33) Germany	(32) 15.04.2009	China
(47) 13.05.2020	(33) United States of America	China
(51) B29D 30/00	(47) 03.06.2020	(47) 29.04.2020
B60C 9/02	(51) B32B 15/01	(51) B41J 2/14
B60C 9/08	C21D 1/18	(11) EP3000602
B60C 9/18	C21D 1/19	(21) EP14186638.4
G06F 17/50	C21D 6/00	(22) 26.09.2014
(11) EP3110632	C21D 8/02	(54) High viscosity jetting method
(21) EP14883965.7	C21D 9/46	(73) AGFA NV
(22) 27.02.2014	C22C 38/02	(72) De Meutter, Stefaan
(54) IMPROVED BODY PLY SHAPE FOR A	C22C 38/04	Katona, Jaroslav
TIRE	C22C 38/06	Tilemans, David
(73) Compagnie Générale des	(11) EP3164513	(47) 22.07.2020
Etablissements Michelin	(21) EP15750459.8	(51) B41J 2/175
(72) CLAYTON, William B.	(22) 03.07.2015	B43L 25/00
HICKS, Daniel McEachern	(54) METHOD FOR MANUFACTURING A	B65D 51/20
(74) ir. H.A. Witmans c.s.	HIGH-STRENGTH STEEL SHEET AND	(11) EP3442800
(47) 29.04.2020	SHEET OBTAINED BY THE METHOD	(21) EP17716212.0
(51) B29D 30/06	(73) Arcelormittal	(22) 07.04.2017
(11) EP3484698	(72) XU, Wei	(54) LIQUID CARTRIDGE, AND A METHOD
(21) EP17745837.9	ARLAZAROV, Artem	FOR FILLING A CARTRIDGE OF THIS
(22) 05.07.2017	(74) ir. A.R. Aalbers	TYPE WITH A LIQUID
(54) TEXTURED BLADE FOR THE LINING	(31) PCT/IB2014/002285	(73) EBS Ink Jet Systeme GmbH
OF A MOLD USED FOR VULCANIZING	(32) 03.07.2014	(72) SLOMIANNY, Andreas
A TIRE	(33) World Intellectual Property Office (WIPO)	(74) ir. J.C. Volmer c.s.
(73) Compagnie Générale des	(47) 13.05.2020	(31) 102016106711
Etablissements Michelin	(51) B32B 17/06	(32) 12.04.2016
(72) BLANCHET, Etienne	E06B 3/02	(33) Germany
CALVEL, Romain	E06B 3/62	(47) 27.05.2020
PICHOIR, Sébastien	E06B 5/16	(51) B42D 15/00
(74) ir. W.J.J.M. Kempes	(11) EP2657012	G09F 3/02
(31) 1670388	(21) EP13165199.4	G09F 3/03
(32) 18.07.2016	(22) 24.04.2013	G09F 3/10
(33) France	(54) Frame-free fire protection all-glass door	C09J 7/29
(47) 13.05.2020	(73) Holzbau Schmid GmbH & Co. KG	(11) EP2603910
(51) B32B 1/08	Etex Building Performance GmbH	(21) EP11757749.4
C08F 4/65	(72) Wiedemann Günter	(22) 30.07.2011
C08F 8/50	Schmid, Claus	

- (54) SAFETY LABEL OR ADHESIVE TAPE WITH EVIDENCE OF TAMPERING  
(73) Hueck Folien Gesellschaft m.b.H.  
(72) MAYRHOFER, Marco  
AIGNER, Georg  
(74) ir. J.C. Volmer c.s.  
(31) 13552010  
(32) 13.08.2010  
(33) Austria  
(47) 27.05.2020  
B60C 11/13  
(11) EP3160774  
(21) EP14742420.4  
(22) 30.06.2014  
(54) TIRE TREADS HAVING TREAD ELEMENTS WITH INCLINED LEADING SIDES  
(73) Compagnie Générale des Etablissements Michelin  
(72) COLLETT, Mark  
HOTTEBART, Francois  
(74) ir. H.A. Witmans c.s.  
(47) 13.05.2020  
B60C 23/04  
B60W 40/12  
(11) EP3444132  
(21) EP18184193.3  
(22) 18.07.2018  
(54) METHOD FOR DETERMINING A WHEEL CIRCUMFERENCE OF A DRIVE WHEEL, CONTROL METHOD FOR A DRIVE MOTOR, CONTROLLER APPARATUS AND AUTOMOBILE  
(73) Robert Bosch GmbH  
(72) Stegmaier, Juergen  
Greiner, Rinaldo  
(74) ir. H.A. Witmans c.s.  
(31) 102017214294  
(32) 16.08.2017  
(33) Germany  
(47) 24.06.2020  
B60G 7/00  
B60G 13/00  
(11) EP3344478  
(21) EP16757859.0  
(22) 24.08.2016  
(54) BEARING BLOCK  
(73) SAF-HOLLAND GmbH  
(72) FÄTH, Stefan  
BRUNSCH, Bernd  
SOMMER, Niko  
(74) ir. A. Blokland c.s.  
(31) 102015114729  
(32) 03.09.2015  
(33) Germany  
(47) 13.05.2020  
B60G 11/26  
B60G 11/30  
B60G 17/00  
B60G 17/052  
F16F 5/00  
F16F 9/04  
F16F 9/43  
(11) EP2981424  
(21) EP14778113.2  
(22) 01.04.2014
- (54) VEHICLE SUSPENSION SYSTEM WITH RESERVOIR FOR AIR SPRING DAMPING  
(73) Hendrickson USA, L.L.C.  
Watson & Chalin Manufacturing, Inc.  
(72) FULTON, R. Scott  
RAMSEY, John E.  
CARR, Kimm L.  
MUCKELRATH, Brett L.  
LONG, Thomas J.  
BREWER, William W.  
DELORENZIS, Damon  
WESTNEDGE, Andrew  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201313855788  
(32) 03.04.2013  
(33) United States of America  
(47) 03.06.2020  
B60K 5/12  
B62D 21/11  
(11) EP2918434  
(21) EP14003345.7  
(22) 27.09.2014  
(54) Engine/transmission support for a motor vehicle  
(73) MAN Truck & Bus SE  
(72) Hörmann, Robert  
Kraus, Alfons  
(74) J.M.H. Duyver lic.  
(31) 102013021009  
(32) 13.12.2013  
(33) Germany  
(47) 01.07.2020  
B60K 6/445  
B60K 6/48  
(11) EP2497666  
(21) EP12158869.3  
(22) 09.03.2012  
(54) Hybrid power train having epicyclic type clutch device  
(73) Yang, Tai-Her  
(72) Yang, Tai-Her  
(74) J.M.H. Duyver lic.  
(31) 201113045668  
(32) 11.03.2011  
(33) United States of America  
(47) 10.06.2020  
B60K 17/36  
F16H 48/08  
(11) EP3492295  
(21) EP18201662.6  
(22) 22.10.2018  
(54) AXLE TRANSMISSION SYSTEM  
(73) MAN Truck & Bus SE  
(72) Braykoff, Christo  
Schultheiß, Hansjörg  
(74) J.M.H. Duyver lic.  
(31) 102017127583  
(32) 22.11.2017  
(33) Germany  
(47) 24.06.2020  
B60K 37/06  
G06F 3/01  
G06F 3/03  
G06F 3/042  
G06F 3/0482  
G06F 3/0484  
(11) EP2883738
- (21) EP14002599.0  
(22) 25.07.2014  
(54) Method and assembly for controlling functions of a motor vehicle  
(73) MAN Truck & Bus SE  
(72) Dörner, Karlheinz  
Michel, Britta  
Zimmermann, Andreas  
(74) J.M.H. Duyver lic.  
(31) 102013020795  
(32) 12.12.2013  
(33) Germany  
(47) 01.07.2020  
B60L 3/04  
G01R 31/00  
H02J 7/00  
B60L 3/00  
B60L 53/14  
B60L 53/31  
(11) EP2460022  
(21) EP10734106.7  
(22) 14.07.2010  
(54) Device and method for providing electrical energy at a branch circuit supplying a load  
(73) innogy SE  
(72) GAUL, Armin  
DIEFENBACH, Ingo  
(74) ir. W.J.J.M. Kempes  
(31) 09166491  
102009034887  
(32) 27.07.2009  
27.07.2009  
(33) European Patent Office (EPO)  
Germany  
(47) 06.05.2020  
B60N 2/28  
B60N 2/70  
(11) EP3233564  
(21) EP15823310.6  
(22) 18.12.2015  
(54) SEAT FOR BABIES AND INFANTS WITH A DAMPING DEVICE  
(73) Curt Würstl Vermögensverwaltungs-GmbH & Co. KG  
(72) WÜRSTL, Jan-Stefan  
(74) ir. W.J.J.M. Kempes  
(31) 202014106183 U  
102015106803  
(32) 19.12.2014  
30.04.2015  
(33) Germany  
Germany  
(47) 13.05.2020  
B60R 16/08  
B60T 17/06  
B62D 31/02  
(11) EP2987704  
(21) EP15001140.1  
(22) 17.04.2015  
(54) INSTALLATION HOLDER FOR A MOTOR VEHICLE FOR MOUNTING OF AN AIR COMPRESSOR SET  
(73) MAN Truck & Bus SE  
(72) Rübsamen, Susanne  
Elbs, Norbert  
Jahn, Danilo  
(74) J.M.H. Duyver lic.



(31) 102014012713	(33) United States of America	(32) 27.09.2012
(32) 22.08.2014	(47) 13.05.2020	30.11.2012
(33) Germany	(51) B62K 21/00	(33) United States of America
(47) 01.07.2020	B62J 27/00	United States of America
(51) B61G 3/00	(11) EP3498580	(47) 24.06.2020
B61K 9/00	(21) EP18207775.0	(51) B63B 17/04
(11) EP3330156	(22) 22.11.2018	B63G 13/00
(21) EP17210690.8	(54) METHOD AND DEVICE FOR	F41H 11/00
(22) 10.11.2008	ADJUSTING A PREDETERMINED	(11) EP3237283
(54) APPLIANCE, E.G. TO MEASURE RAIL	RATIO BETWEEN HANDLEBAR ANGLE	(21) EP15808016.8
GEOMETRY	AND STEERING ANGLE OF A FRONT	(22) 08.12.2015
(73) FNV IP B.V.	WHEEL OF A BICYCLE	(54) SHIP RAIL SECURITY DEVICE
(72) Berkers, Adrianus Fransiscus Wilhelmus	(73) Robert Bosch GmbH	(73) McGarian, Bruce
(74) ir. M.F.J.M. Ketelaars c.s.	(72) Dackermann, Tim	(72) McGarian, Bruce
(31) 1034687	Dauer, Felix	(74) ir. M.F.J.M. Ketelaars c.s.
(32) 14.11.2007	(74) ir. H.A. Witmans c.s.	(31) 201422988
(33) Netherlands	(31) 102017222560	(32) 22.12.2014
(47) 10.06.2020	(32) 13.12.2017	(33) United Kingdom
(51) B61K 9/08	(33) Germany	(47) 29.04.2020
B61L 23/04	(47) 22.07.2020	(51) B63B 19/14
G01N 27/20	(51) B62K 21/00	B63B 19/18
(11) EP3256361	B62K 21/22	(11) EP3157806
(21) EP15725686.8	B62J 45/415	(21) EP14739558.6
(22) 08.06.2015	B62J 99/00	(22) 18.06.2014
(54) DEVICE FOR DETECTING FAULTS IN	(11) EP3498581	(54) MULTI-LAYER HATCH COVER
RAILS BY MEASURING IMPEDANCE	(21) EP18207778.4	SUPPORT PAD
(73) Metrolab	(22) 22.11.2018	(73) Cargo Care Solutions B.V.
(72) TÛTZAUER, René	(54) METHOD AND DEVICE FOR	(72) BRAMMER, Torben
PORE, Jacques	ADJUSTING A PREDETERMINED	PELTENBURG, Peter
BURIER, Marc	RATIO BETWEEN HANDLEBAR ANGLE	(74) ir. W.J.J.M. Kempes
PORNIN, Aurélie	AND STEERING ANGLE OF A FRONT	(47) 29.04.2020
LALLOYER, Frédéric	WHEEL OF A BICYCLE	(51) B63G 8/38
COLLARD, Hervé	(73) Robert Bosch GmbH	(11) EP3371044
(74) ir. A.R. Aalbers	(72) Dackermann, Tim	(21) EP16790608.0
(31) 1551217	Dauer, Felix	(22) 02.11.2016
(32) 13.02.2015	(74) ir. H.A. Witmans c.s.	(54) SUBMERSIBLE PROVIDED WITH
(33) France	(31) 102017222569	MEANS FOR MANOEUVRING A MAST
(47) 06.05.2020	(32) 13.12.2017	(73) NAVAL GROUP
(51) B62H 3/00	(33) Germany	(72) PAUMIER, Philippe
B62H 5/00	(47) 22.07.2020	(74) ir. A.R. Aalbers
B62J 9/00	(51) B62M 9/16	(31) 1502307
(11) EP3495251	B62M 9/126	(32) 02.11.2015
(21) EP18194158.4	(11) EP3421346	(33) France
(22) 13.09.2018	(21) EP18179789.5	(47) 13.05.2020
(54) BICYCLE WITH A HIGH SECURITY	(22) 26.06.2018	(51) B63G 13/00
APPARATUS	(54) DAMPER FOR A BICYCLE	F41H 3/02
(73) Microprogram Information Co., Ltd.	COMPONENT	(11) EP3114028
(72) WU, Teng Yen	(73) SRAM, LLC.	(21) EP15708193.6
(74) ir. G.J.M. Verhees	(72) Chang, Jih-Hung	(22) 04.03.2015
(31) 106142488	(74) J.M.H. Duyver lic.	(54) NAVAL SHIP WITH DECK MASKING
(32) 05.12.2017	(31) 201715632945	FOR REDUCING RADAR SIGNATURES
(33) Taiwan, Province of China	(32) 26.06.2017	(73) thyssenkrupp Marine Systems GmbH
(47) 13.05.2020	(33) United States of America	(72) DETERMANN, Wolfram
(51) B62H 5/06	(47) 01.07.2020	(74) ir. H.A. Witmans c.s.
B60R 25/021	(51) B62M 25/08	(31) 102014003129
B60R 25/0215	B62M 9/122	(32) 04.03.2014
(11) EP3406508	(11) EP2982593	(33) Germany
(21) EP18173820.4	(21) EP15002360.4	(47) 29.04.2020
(22) 23.05.2018	(22) 25.09.2013	(51) B63H 5/08
(54) LOCK APPARATUS AND VEHICLE	(54) POWER SUPPLY ARRANGEMENT	B63H 21/21
USING THE SAME	FOR A BICYCLE ELECTRONIC GEAR	B63H 25/02
(73) Gogoro Inc.	CHANGING SYSTEM	B63H 25/24
(72) HUANG, Jung-Chi	(73) SRAM, LLC	B63H 25/42
CHANG, Chia-Hao	(72) Shipman, Christopher	(11) EP3437986
CHEN, Yu-Min	Jordan, Brian	(21) EP16897019.2
(74) ir. A.R. Aalbers	(74) J.M.H. Duyver lic.	(22) 13.10.2016
(31) 201762510200 P	(31) 201261706357 P	
(32) 23.05.2017	201213691391	

(54) METHOD OF USING A SHIP HANDLING DEVICE	(11) EP3268276	(47) 20.05.2020
(73) Yanmar Co., Ltd.	(21) EP16762709.0	(51) B65D 33/00
(72) WATANABE Jun	(22) 14.03.2016	B65D 33/25
TAMURA Gakuji	(54) ROBOTIC ASSISTANCE IN SECURITY MONITORING	B65D 77/24
KANDA Koichi	(73) Alarm.com Incorporated	(11) EP3310679
(74) ir. M.F.J.M. Ketelaars c.s.	(72) KERZNER, Daniel	(21) EP16731088.7
(31) 2016073355	(74) ir. W.J.J.M. Kempes	(22) 15.06.2016
(32) 31.03.2016	(31) 201562132494 P	(54) GUSSET STYLE POUCH, IN PARTICULAR FOR FOOD PRODUCT, CONTAINING A MEASURING DEVICE
(33) Japan	201615004118	(73) Compagnie Gervais Danone
(47) 03.06.2020	(32) 12.03.2015	(72) VANDAMME, Patrick
(51) B63H 5/125	22.01.2016	BOURDIN, Frédéric
B63H 25/42	(33) United States of America	(74) J.M.H. Duyver lic.
(11) EP3359444	United States of America	(31) PCT/IB2015/002369
(21) EP16778344.8	(47) 13.05.2020	(32) 19.06.2015
(22) 06.10.2016	(51) B65B 31/02	(33) World Intellectual Property Office (WIPO)
(54) POSITION CHANGING DEVICE, IN PARTICULAR FOR A WATERCRAFT	B65B 51/14	(47) 20.05.2020
(73) Hochschule Flensburg	B65B 57/02	(51) B65D 85/10
(72) THIEMKE, Michael	(11) EP3192742	(11) EP3107832
(74) M.L. Huisman	(21) EP16196214.7	(21) EP15704563.4
(31) 102015219657	(22) 21.03.2013	(22) 17.02.2015
102015219658	(54) VACUUM PACKAGING METHOD AND VACUUM PACKAGING APPARATUS	(54) CONTAINER FOR CONSUMER ARTICLES WITH OBLIQUE ARRANGEMENT
(32) 09.10.2015	(73) Tosei Corporation	(73) Philip Morris Products S.A.
09.10.2015	(72) FURUSE, Yoshiaki	(72) CHATELAIN, Lucas
(33) Germany	ASARI, Tatsuya	(74) dr. W.A.H.M. Van Borm
Germany	FUKASE, Toshitaka	(31) 14155847
(47) 10.06.2020	(74) ir. H.J.G. Lips c.s.	(32) 19.02.2014
(51) B63H 9/02	(31) 2012070872	(33) European Patent Office (EPO)
F15D 1/12	(32) 27.03.2012	(47) 24.06.2020
(11) EP2917100	(33) Japan	(51) B65D 85/804
(21) EP13785848.6	(47) 01.07.2020	(11) EP3428087
(22) 30.10.2013	(51) B65B 55/02	(21) EP18000561.3
(54) VESSEL COMPRISING A ROTOR HAVING A FLAP ARRANGED NEAR THE ROTOR	B65B 59/00	(22) 27.06.2018
(73) Winkler, Jørn Paul	B67C 3/04	(54) CAPSULE
(72) Winkler, Jørn Paul	B67C 3/06	(73) Wiedermann, Paul
(74) ir. A. Blokland c.s.	B67C 3/16	Wiedermann, Mick
(31) 12190798	B67C 3/20	(72) Wiedermann, Paul
(32) 31.10.2012	B67C 3/26	Wiedermann, Mick
(33) European Patent Office (EPO)	B67C 3/28	(74) ir. J.C. Volmer c.s.
(47) 17.06.2020	F16K 31/08	(31) 202017003653 U
(51) B63H 11/08	G01G 17/04	PCT/IB2018/000004
B63H 20/00	(11) EP3103760	(32) 12.07.2017
B63H 23/32	(21) EP16173770.5	04.01.2018
C23F 13/02	(22) 21.03.2014	(33) Germany
F16C 17/14	(54) CONTAINER HANDLING ARM	World Intellectual Property Office (WIPO)
F16C 33/20	(73) PepsiCo, Inc.	(47) 27.05.2020
(11) EP3429919	(72) EATON, John A.	(51) B65D 85/804
(21) EP17708740.0	MARTIN, David William	(11) EP3459873
(22) 02.03.2017	WARBURTON, David Jay	(21) EP17192473.1
(54) JET PROPULSION SYSTEM PARTICULARLY FOR A WATERCRAFT, AND METHOD FOR RETROFITTING A JET PROPULSION SYSTEM	COLEMAN, Nathan John	(22) 21.09.2017
(73) Voith Patent GmbH	FELLER, Samuel Frank	(54) CAPSULE FOR PREPARING INFUSION BEVERAGES
(72) BEER, Mathias	EVANS, Thomas John	(73) CUP OUT OF THE BOX, S.L.
(74) ir. W.J.J.M. Kempes	SORGE, Jason Karl	(72) Calsina Gomis, Joaquin
(31) 102016204304	STRAUB, Randy A.	(74) ir. H.Th. van den Heuvel c.s.
(32) 16.03.2016	(74) J.M.H. Duyver lic.	(47) 20.05.2020
(33) Germany	(31) 201361804452 P	(51) B65G 33/02
(47) 06.05.2020	(32) 22.03.2013	B65G 33/26
(51) B64C 27/08	(33) United States of America	B65G 47/61
B64C 39/00	(47) 20.05.2020	(11) EP3315433
G08B 13/00	(51) B65D 17/00	(21) EP17198836.3
G08B 13/196	(11) EP3385185	(22) 27.10.2017
G08B 15/00	(21) EP17165040.1	
	(22) 05.04.2017	
	(54) METALLIC CAN LID	
	(73) Piech, Gregor Anton	
	(72) Piech, Gregor Anton	
	(74) ir. M.F.J.M. Ketelaars c.s.	

(54) TRANSFER DEVICE FOR PRODUCT CARRIERS WITH IMPROVED RETENTION MEANS	(72) VAN DER WEIJ, Fedde	C02F 103/10
(73) Ferag AG	(74) ir. A.R. Aalbers	C02F 103/16
(72) STAUBER, Erwin	(47) 29.04.2020	C02F 103/28
(74) ir. H.A. Witmans c.s.	(51) B67D 1/04	C02F 103/32
(31) 14582016	B67D 1/08	C07D 491/06
(31) 4132017	(11) EP3315459	C09B 57/14
(32) 01.11.2016	(21) EP17198227.5	C09K 11/06
(28.03.2017	(22) 25.10.2017	(11) EP3275844
(33) Switzerland	(54) APPARATUS FOR DISPENSING BEVERAGES BY THE GLASS PROVIDED WITH SPACE-SAVING CONTAINER	(21) EP17184191.9
Switzerland	(73) Enomatic S.R.L.	(22) 16.12.2013
(47) 15.07.2020	(72) BENCISTA' FALORNI, Gianni	(54) FLUORESCENT MONOMERS FOR THE PREPARATION OF TAGGED TREATMENT POLYMERS USEFUL IN INDUSTRIAL WATER SYSTEMS
(51) B65H 51/14	(74) drs. A.A. Jilderda	(73) Ecolab USA Inc.
H02G 1/10	(31) 201600107213	(72) ATKINS, Jefferey M.
(11) EP3164351	(32) 25.10.2016	MORIARTY, Barbara E.
(21) EP15734364.1	(33) Italy	ZINN, Paul J.
(22) 06.07.2015	(47) 13.05.2020	(74) dr. W.A.H.M. Van Borm
(54) DEVICE FOR TOWING A VERY LONG TUBULAR OBJECT	(51) C01B 13/02	(31) 201213730087
(73) THALES	F23C 10/01	(32) 28.12.2012
(72) LONGUET, Jean-Philippe	F23C 99/00	(33) United States of America
LE GRAS, Hervé	F23L 7/00	(47) 06.05.2020
COSSON, Olivier	(11) EP2926053	(51) C02F 1/02
PEDEN, Benoît	(21) EP13802200.9	C02F 9/10
LAGADEC, Jean	(22) 22.11.2013	C02F 11/04
(74) ir. H.A. Witmans c.s.	(54) STAGED CHEMICAL LOOPING PROCESS WITH INTEGRATED OXYGEN GENERATION	C02F 11/18
(31) 1401505	(73) Saudi Arabian Oil Company	C02F 11/12
(32) 04.07.2014	(72) NIASS, Tidjani	(11) EP2891633
(33) France	YOUNES, Mourad V.	(21) EP14198907.9
(47) 29.04.2020	(74) ir. H.A. Witmans c.s.	(22) 09.03.2010
(51) B65H 75/42	(31) 201261732069 P	(54) Device and process for the thermal hydrolysis of organic masses
B65H 75/44	(32) 30.11.2012	(73) Eliquo Stulz GmbH
E01C 19/52	(33) United States of America	(72) Buchmüller, Marianne
(11) EP3176116	(47) 06.05.2020	(74) ir. M.F.J.M. Ketelaars c.s.
(21) EP16201007.8	(51) C01B 13/11	(31) 102009014776
(22) 28.11.2016	(11) EP2718227	(32) 25.03.2009
(54) DEPLOYMENT SYSTEM	(21) EP12727194.8	(33) Germany
(73) FAUN Trackway Limited	(22) 31.05.2012	(47) 29.04.2020
(72) EWING, Rob	(54) OZONE GENERATOR	(51) C02F 1/42
WILLIAMS, Gareth	(73) MKS Instruments, Inc.	B01J 49/00
(74) ir. A. Blokland c.s.	(72) OWENS, David K.	(11) EP3283218
(31) 201521274	MENEGHINI, Paul M.	(21) EP16779673.9
(32) 02.12.2015	(74) dr. W.A.H.M. Van Borm	(22) 13.04.2016
(33) United Kingdom	(31) 201113153649	(54) REGENERATION OF MIXED BED RESINS
(47) 22.04.2020	(32) 06.06.2011	(73) Ovivo Inc.
(51) B66F 11/04	(33) United States of America	(72) GENSBITTEL, Dominique
(11) EP3380429	(47) 08.07.2020	(74) J.M.H. Duyver lic.
(21) EP16822258.6	(51) C01B 33/193	(31) 201562148059 P
(22) 15.11.2016	(11) EP2807117	(32) 15.04.2015
(54) A SELF-PROPELLED AERIAL PLATFORM	(21) EP13701979.0	(33) United States of America
(73) Magni Telescopic Handlers S.r.l.	(22) 23.01.2013	(47) 01.07.2020
(72) MAGNI, Riccardo	(54) PRECIPITATED-SILICA PRODUCTION METHOD	(51) C02F 3/00
(74) ir. J.C. Volmer c.s.	(73) Rhodia Opérations	C02F 3/04
(31) UB20155900	(72) ALLAIN, Emmanuelle	C02F 3/10
(32) 25.11.2015	NEVEU, Sylvaine	C02F 3/12
(33) Italy	(74) ir. W.J.J.M. Kempes	C02F 3/28
(47) 13.05.2020	(31) 1200213	C02F 3/34
(51) B67D 1/00	(32) 25.01.2012	C02F 101/30
B67D 3/04	(33) France	C02F 101/32
(11) EP3189001	(47) 13.05.2020	C02F 101/36
(21) EP14761337.6	(51) C02F 1/00	C02F 101/38
(22) 04.09.2014	C02F 5/12	C02F 103/06
(54) LIQUID DISPENSING DEVICE AND VALVE ASSEMBLY FOR USE THEREWITH	C02F 103/02	C02F 103/36
(73) APDS Originals B.V.		(11) EP2892855
		(21) EP12884072.5

(22) 10.09.2012	C03C 3/112	JOSHI, Narendra
(54) METHOD OF REDUCING RESIDUAL RECALCITRANT ORGANIC POLLUTANTS	C03C 13/00 (11) EP2462069 (21) EP10752654.3	(74) J.M.H. Duyver lic. (31) 201562244677 P (32) 21.10.2015
(73) BL Technologies, Inc.	(22) 04.08.2010	(33) United States of America
(72) WANG, Sijing	(54) IMPROVED MODULUS, LITHIUM FREE GLASS	(47) 29.04.2020
WANG, Lei	(73) OCV Intellectual Capital, LLC	(51) C07C 17/16
ZHANG, Haiwu	(72) HOFFMAN, Douglas	C07C 25/13
XU, Weiqing	MCGINNIS, Peter	C07C 25/22
ZHOU, Ying	WINGERT, John	(11) EP3452437
(74) ir. H.A. Witmans c.s.	BERTHEREAU, Anne	(21) EP17722969.7
(47) 29.04.2020	(74) ir. H.A. Witmans c.s.	(22) 02.05.2017
(51) C02F 3/00	(31) 231203 P	(54) METHOD FOR AROMATIC FLUORINATION
C02F 103/00	231482 P	(73) Dow Global Technologies LLC
E03F 1/00	(32) 04.08.2009	The Regents of The University of Michigan
(11) EP3252241	05.08.2009	(72) SANFORD, Melanie, S.
(21) EP17162528.8	(33) United States of America	BLAND, Douglas
(22) 23.03.2017	United States of America	HANLEY, Patrick, S.
(54) TROUGH SECTION OF A SEEPAGE TROUGH, WITH RESERVE STORAGE	(47) 27.05.2020	CISMESIA, Megan, A.
(73) Funke Kunststoffe GmbH	(51) C04B 35/10	SCHIMLER, Sydonie, D.
(72) Funke, Norbert	H01B 1/00	(74) ir. H.A. Witmans c.s.
Funke, Hans Günter	(11) EP2599758	(31) 201662330311 P
(74) ir. J.C. Volmer c.s.	(21) EP12195061.2	201662362721 P
(31) 202016102842 U	(22) 30.11.2012	201662376967 P
(32) 30.05.2016	(54) Semiconductive ceramic sintered compact	201662408270 P
(33) Germany	(73) TOTO LTD.	(32) 02.05.2016
(47) 29.04.2020	(72) Shimada, Shogo	15.07.2016
(51) C02F 3/04	Ushijima, Yasutaka	19.08.2016
C05F 7/00	Teramoto, Atsushi	14.10.2016
(11) EP3186212	(74) J.M.H. Duyver lic.	(33) United States of America
(21) EP15759422.7	(31) 2011264389	United States of America
(22) 19.08.2015	2012206882	United States of America
(54) SYSTEM FOR PRODUCING FERTILIZING AGENT FROM ORGANIC WASTES AND METHOD FOR PRODUCING FERTILIZING AGENT FROM ORGANIC WASTES	(32) 02.12.2011	United States of America
(73) Deutsches Zentrum für Luft- und Raumfahrt e.V.	20.09.2012	(47) 29.07.2020
(72) HAUSLAGE, Jens	(33) Japan	(51) C07C 51/12
(74) J.M.H. Duyver lic.	Japan	C07C 51/44
(31) 102014216922	(47) 10.06.2020	C07C 51/48
(32) 26.08.2014	(51) C04B 41/00	C07C 53/08
(33) Germany	(11) EP3216775	(11) EP3218347
(47) 27.05.2020	(21) EP17160697.3	(21) EP15782167.9
(51) C02F 3/10	(22) 13.03.2017	(22) 02.10.2015
C02F 3/12	(54) A METHOD FOR MANUFACTURING A LAMINATED TILE	(54) PROCESSES FOR PRODUCING ACETIC ACID FROM A REACTION MEDIUM HAVING LOW ETHYL IODIDE CONTENT
C02F 3/30	(73) MBI Group B.V.	(73) Celanese International Corporation
C02F 3/34	(72) BETTONVIL, Marcellis Martinus	(72) LIU, Yaw-Hwa
C02F 101/30	Johannes	SCATES, Mark O.
(11) EP3426611	MOLLINK, Wilhelmus Antonius Gerardes	(74) dr. W.A.H.M. Van Borm
(21) EP17709061.0	(74) ir. M.B. Plaggenborg	(31) 201462079979 P
(22) 07.03.2017	(31) 16160009	(32) 14.11.2014
(54) BIOLOGICAL REMOVAL OF MICROPOLLUTANTS FROM WASTEWATER	(32) 11.03.2016	(33) United States of America
(73) Veolia Water Solutions & Technologies Support	(33) European Patent Office (EPO)	(47) 29.04.2020
(72) CHRISTENSSON, Magnus	(47) 29.04.2020	(51) C07C 1/20
WELANDER, Thomas	(51) C07C 2/58	C07C 2/86
(74) J.M.H. Duyver lic.	(11) EP3365313	(11) EP3365313
(31) 1650321	(21) EP16790504.1	(21) EP16790504.1
(32) 09.03.2016	(22) 21.10.2016	(22) 21.10.2016
(33) Sweden	(54) PROCESS OF MAKING OLEFINS OR ALKYLATE BY REACTION OF METHANOL AND/OR DME OR BY REACTION OF METHANOL AND/OR DME AND BUTANE	(54) METHODS FOR PRODUCING A VINYL ACETATE COMPOSITION HAVING A LOW IMPURITY CONTENT
(47) 06.05.2020	(73) Exelus Inc.	(73) Celanese International Corporation
(51) C03C 3/087	(72) MUKHERJEE, Mitrajit	(72) FREEMAN, Jessica
C03C 3/091	VADHRI, Vamsi M.	YAO, Qiang

- MOORE, Lauren  
KOTSIANIS, Ilias  
JOHNSTON, Victor  
HANKS, Kevin  
(74) ir. J.C. Volmer c.s.  
(31) 407684 P  
(32) 28.10.2010  
(33) United States of America  
(47) 17.06.2020
- 
- (51) C07C 227/18  
C07C 229/16  
C07C 229/36  
C11D 3/33  
(11) EP3268347  
(21) EP16707133.1  
(22) 01.03.2016  
(54) MIXTURES OF CHELATING AGENTS,  
AND PROCESS FOR MAKING SUCH  
MIXTURES  
(73) BASF SE  
(72) FRANZKE, Constanze  
JAEKEL, Frank  
SUELING, Carsten  
(74) ir. W.J.J.M. Kempes  
(31) 15158581  
(32) 11.03.2015  
(33) European Patent Office (EPO)  
(47) 06.05.2020
- 
- (51) C07D 211/94  
C08K 5/00  
C08K 5/3435  
C08K 5/49  
C08K 5/5333  
(11) EP2825589  
(21) EP13760653.9  
(22) 13.03.2013  
(54) NOR-HALS COMPOUNDS AS FLAME  
RETARDANTS  
(73) BASF SE  
(72) LIPS, Gérard  
HUBER, Gregor  
HOPPE, Holger  
LE GAL, André  
(74) ir. W.J.J.M. Kempes  
(31) 201261611620 P  
12159919  
(32) 16.03.2012  
16.03.2012  
(33) United States of America  
European Patent Office (EPO)  
(47) 06.05.2020
- 
- (51) C07K 1/06  
C07K 14/605  
(11) EP3398960  
(21) EP16880981.2  
(22) 16.12.2016  
(54) METHOD FOR PREPARING  
SEMAGLUTIDE  
(73) Hybio Pharmaceutical Co., Ltd.  
(72) CHEN, Xinliang  
MI, Pengcheng  
TAO, Anjin  
YUAN, Jiancheng  
(74) drs. P.F.H.M. van Someren c.s.  
(31) 201511027176  
(32) 30.12.2015  
(33) China  
(47) 13.05.2020
- 
- (51) C07K 14/435  
C12N 15/82  
(11) EP3037432  
(21) EP15202058.2  
(22) 22.12.2015  
(54) NUCAMPHOLIN NUCLEIC ACID  
MOLECULES TO CONTROL  
COLEOPTERAN INSECT PESTS  
(73) Dow AgroSciences LLC  
(72) Narva, Kenneth E.  
Worden, Sarah E.  
Frey, Megan L.  
Geng, Chaoxian  
Rangasamy, Murugesan  
Arora, Kanika  
Veeramani, Balaji  
Gandra, Premchand  
Vilcinskas, Andreas  
Knorr, Eileen  
(74) dr. A. Krebs  
(31) 201462095487 P  
(32) 22.12.2014  
(33) United States of America  
(47) 17.06.2020
- 
- (51) C07K 14/705  
(11) EP3523326  
(21) EP17800638.3  
(22) 04.10.2017  
(54) CO-STIMULATORY DOMAINS FOR  
USE IN GENETICALLY-MODIFIED  
CELLS  
(73) Precision Biosciences, Inc.  
(72) JANTZ, Derek  
MARTIN, Aaron  
MACLEOD, Daniel, T.  
(74) dr. W.A.H.M. Van Borm  
(31) 201662403880 P  
201762501475 P  
201762556199 P  
(32) 04.10.2016  
04.05.2017  
08.09.2017  
(33) United States of America  
United States of America  
United States of America  
(47) 03.06.2020
- 
- (51) C07K 14/74  
(11) EP3357511  
(21) EP18151718.6  
(22) 29.06.2012  
(54) INHIBITORS OF T-CELL ACTIVATION  
(73) Genzyme Corporation  
(72) ZHU, Yunxiang  
KARMAN, Jozsef  
WEI, Ronnie  
JIANG, Canwen  
CHENG, Seng  
(74) ir. W.J.J.M. Kempes  
(31) 201161503282 P  
(32) 30.06.2011  
(33) United States of America  
(47) 13.05.2020
- 
- (51) C07K 16/18  
(11) EP3313877  
(21) EP16733038.0  
(22) 22.06.2016  
(54) HUMANIZED ANTI-TAU(PS422)  
ANTIBODIES AND METHODS OF USE  
(73) F. Hoffmann-La Roche AG  
(72) EMRICH, Thomas  
GRUENINGER, Fiona  
HUGENMATTER, Adrian  
MOESSNER, Ekkehard  
DENGL, Stefan  
GEORGES, Guy  
GOEPFERT, Ulrich  
JOCHNER, Anton  
KETTENBERGER, Hubert  
MOELLEKEN, Joerg  
MUNDIGL, Olaf  
NIEWOEHNER, Jens  
SCHLOTHAUER, Tilman  
MOLHOJ, Michael  
BRADY, Kevin  
(74) drs. C.M.A. Quintelier  
(31) 15173511  
(32) 24.06.2015  
(33) European Patent Office (EPO)  
(47) 03.06.2020
- 
- (51) C08B 37/00  
C08B 37/08  
C08J 3/075  
C08L 5/00  
(11) EP3397651  
(21) EP16822477.2  
(22) 28.12.2016  
(54) CARBOHYDRATE CROSSLINKER  
(73) Galderma S.A.  
(72) OLSSON, Johan  
HARRIS, Craig Steven  
MOJARRADI, Hotan  
GERFAUD, Thibaut  
TOMAS, Loïc  
BOITEAU, Jean-Guy  
(74) dr. W.A.H.M. Van Borm  
(31) 15202944  
16172254  
16172225  
16172241  
(32) 29.12.2015  
31.05.2016  
31.05.2016  
31.05.2016  
(33) European Patent Office (EPO)  
European Patent Office (EPO)  
European Patent Office (EPO)  
European Patent Office (EPO)  
(47) 06.05.2020
- 
- (51) C08F 2/38  
C08F 4/38  
C08F 210/02  
(11) EP3313905  
(21) EP16724557.0  
(22) 09.05.2016  
(54) PROCESSES TO PREPARE  
ETHYLENE-BASED POLYMERS WITH  
IMPROVED MELT-STRENGTH  
(73) Dow Global Technologies LLC  
(72) OSBY, John O.  
(74) ir. J.D. de Zeeuw  
(31) 201562183814 P  
(32) 24.06.2015  
(33) United States of America  
(47) 20.05.2020
- 
- (51) C08F 2/44  
C08F 12/08

C08J 9/00	Janßen, Dieter	BROOKHUIS, Rainier Antonius
C08J 9/16	Seibel, Sebastian	Hermanus
C08J 9/20	(74) ir. W.J.J.M. Kempes	VAN WIJHE, Marie Louise
C08L 25/04	(31) 17206916	LOONTJENS, Jacobus Antonius
(11) EP2945981	(32) 13.12.2017	ZHAO, Pei
(21) EP14705376.3	(33) European Patent Office (EPO)	BUSSCHER, Hendrik Jan
(22) 20.01.2014	(47) 13.05.2020	VAN DER MEI, Henderina Catharina
(54) METHOD OF PRODUCING POLYSTYRENE BEADS CONTAINING ATHERMANOUS PARTICLES	(51) C08G 18/00	WESSEL, Stefan Wouter
(73) BEWiSynbra RAW Oy	C08J 9/00	MECOZZI, Francesco
(72) NURMINEN, Ville	C08K 5/00	DRIESSE, Marianne
LIPPONEN, Sami	C08L 75/00	(74) ir. H.A. Witmans c.s.
PESONEN, Eina	(11) EP2822982	(31) 2017429
RONKAINEN, Asko	(21) EP13703399.9	(32) 07.09.2016
(74) J.M.H. Duyver lic.	(22) 08.02.2013	(33) Netherlands
(31) 20135057	(54) ADDITIVE FOR ADJUSTING THE GLASS TRANSITION TEMPERATURE OF VISCO-ELASTIC POLYURETHANE SOFT FOAMS	(47) 01.07.2020
(32) 18.01.2013	(73) Evonik Operations GmbH	(51) C08G 18/30
(33) Finland	(72) LANDERS, Rüdiger	C08G 18/32
(47) 06.05.2020	HUBEL, Roland	C08G 18/48
(51) C08F 4/659	(74) ir. W.J.J.M. Kempes	C08G 18/66
C08F 4/6592	(31) 102012203639	C08G 18/76
C08F 210/16	(32) 08.03.2012	C08G 77/46
(11) EP3116923	(33) Germany	C08G 77/50
(21) EP15714066.6	(47) 13.05.2020	C08L 83/12
(22) 12.03.2015	(51) C08G 18/08	C08L 83/14
(54) POLYMERS WITH IMPROVED TOUGHNESS AND ESCR FOR LARGE- PART BLOW MOLDING APPLICATIONS	C08G 18/10	(11) EP3219738
(73) Chevron Phillips Chemical Company LP	C08G 18/32	(21) EP16160262.8
(72) HLAVINKA, Mark L	C08G 18/34	(22) 15.03.2016
YANG, Qing	C08G 18/42	(54) PRODUCTION OF VISCOELASTIC POLYURETHANE SYSTEMS USING BLOCK POLYMERS HAVING LINKED SILOXANE BLOCKS AS CELL- OPENING AGENTS
INN, Yongwoo	C08G 18/66	(73) Evonik Operations GmbH
WHITTE, William M	C08G 18/75	(72) KREBS Michael
RATHMAN, John R	(11) EP3253812	HUBEL Roland
SECORA, Steven J.	(21) EP16703142.6	FERENZ Michael
HERT, Daniel G	(22) 05.02.2016	WOLF Marco
(74) dr. W.A.H.M. Van Borm	(54) AQUEOUS POLYURETHANE DISPERSIONS	GÜNTHER Thomas
(31) 201414205422	(73) Taminco	(74) ir. W.J.J.M. Kempes
(32) 12.03.2014	(72) BLAISDELL, Jeffrey	(47) 29.04.2020
(33) United States of America	SCHMIDT, Michael	(51) C08G 61/10
(47) 06.05.2020	GERNON, Michael	D01D 5/18
(51) C08F 222/32	(74) J.M.H. Duyver lic.	D01F 6/74
C09J 4/00	(31) PCT/EP2015/052555	D01F 6/78
(11) EP3191561	(32) 06.02.2015	D01F 6/94
(21) EP15774712.2	(33) World Intellectual Property Office (WIPO)	(11) EP3237656
(22) 03.09.2015	(47) 29.04.2020	(21) EP15791637.0
(54) FAST AND ELASTIC ADHESIVE	(51) C08G 18/08	(22) 10.11.2015
(73) Afinitica Technologies, S. L.	C08G 18/18	(54) POLYPHENYLENE FIBERS AND CORRESPONDING FABRICATION METHODS
(72) PEJOAN JIMÉNEZ, Arnau	C08G 18/80	(73) Solvay Specialty Polymers USA, LLC.
DE LA FUENTE MOLINA, Verónica	C08G 83/00	(72) ROLLER, David Blake
MCARDLE, Ciaran	C08L 101/00	EL-HIBRI, Mohammad Jamal
(74) ir. W.J.J.M. Kempes	C08L 101/02	KENKARE, Nirupama
(31) 14382343	C09D 5/02	SMITH, DeeDee
(32) 12.09.2014	C09D 5/14	(74) ir. W.J.J.M. Kempes
(33) European Patent Office (EPO)	C09D 201/00	(31) 201462095557 P
(47) 06.05.2020	C09D 201/02	(32) 22.12.2014
(51) C08F 290/04	D06M 15/564	(33) United States of America
C10M 145/14	(11) EP3510082	(47) 13.05.2020
(11) EP3498808	(21) EP17762246.1	(51) C08G 63/12
(21) EP18210921.5	(22) 07.09.2017	C08J 3/12
(22) 07.12.2018	(54) ANTIMICROBIAL SURFACTANTS AND WATER BORNE COATINGS COMPRISING THE SAME	(11) EP3420020
(54) VISCOSITY INDEX IMPROVER WITH IMPROVED SHEAR-RESISTANCE AND SOLUBILITY AFTER SHEAR	(73) Van Wijhe Beheer B.V.	(21) EP17713093.7
(73) Evonik Operations GmbH	(72) FIETEN, Bram	(22) 24.02.2017
(72) Klein, Rebecca	WESSELS, Jan	(54) COMPOSITE CONTAINING POLY(GLYCEROL SEBACATE) FILLER
Becker, Holger		

- (73) The Secant Group, LLC  
(72) WROBLESKY, Kayla  
SMOOT, Carissa  
GABRIELE, Peter D.  
HARRIS, Jeremy J.  
NICHOLSON, Charles Brendan  
LU, Steven  
(74) ir. A. Blokland c.s.  
(31) 201662299595 P  
(32) 25.02.2016  
(33) United States of America  
(47) 22.07.2020
- 
- (51) C08G 69/26  
C08G 69/40  
(11) EP3436504  
(21) EP17714179.3  
(22) 27.03.2017  
(54) (CO)POLYAMIDES OBTAINABLE FROM  
1,4-CYCLOHEXANEDICARBOXYLIC  
ACID AND A DIAMINE OF FORMULA  
H<sub>2</sub>N-(CH<sub>2</sub>)<sub>2</sub>-O-(CH<sub>2</sub>)<sub>2</sub>-O-(CH<sub>2</sub>)<sub>2</sub>-NH<sub>2</sub>  
(73) Solvay Specialty Polymers USA, LLC.  
(72) JEOL, Stéphane  
SINGLETERY, Nancy J.  
(74) ir. W.J.J.M. Kempes  
(31) 201662316835 P  
201662419035 P  
(32) 01.04.2016  
08.11.2016  
(33) United States of America  
United States of America  
(47) 06.05.2020
- 
- (51) C08J 3/20  
C09D 5/34  
C09D 183/06  
C09D 183/08  
(11) EP3448921  
(21) EP17726994.1  
(22) 26.04.2017  
(54) METHOD OF MAKING MOISTURE-  
SENSITIVE PRODUCTS IN A MIXING  
VESSEL  
(73) Soudal  
(72) GEBOES, Peter  
LOOS, Luc  
BELIËN, Ulric  
LAURENT, Bob  
VAN DEN PLAS, Dave  
DE BACKER, Evelien  
(74) J.M.H. Duyver lic.  
(31) 201605296  
(32) 28.04.2016  
(33) Belgium  
(47) 29.04.2020
- 
- (51) C08J 9/00  
C08J 9/33  
(11) EP3371250  
(21) EP16794973.4  
(22) 04.11.2016  
(54) FUNCTIONAL MATERIAL CONTAINING  
AT LEAST ONE ADDITIVE  
(73) puren GmbH  
(72) BOMMER, Hans  
(74) ir. W.J.J.M. Kempes  
(31) 102015118958  
(32) 05.11.2015  
(33) Germany  
(47) 06.05.2020
- 
- (51) C08J 9/14  
(11) EP3405515  
(21) EP17702249.8  
(22) 18.01.2017  
(54) USE OF Z-HFO-1,1,1,4,4,4-  
HEXAFLUORO-2-BUTENE IN  
HIGH TEMPERATURE FOAMING  
APPLICATION  
(73) The Chemours Company FC, LLC  
(72) WYSONG, Ernest Byron  
(74) ir. H.A. Witmans c.s.  
(31) 201662281948 P  
(32) 22.01.2016  
(33) United States of America  
(47) 29.04.2020
- 
- (51) C08K 3/34  
C08L 23/00  
C09K 21/14  
(11) EP2576730  
(21) EP11787061.8  
(22) 05.04.2011  
(54) HALOGEN-FREE FLAME RETARDANT  
POLYOLEFIN  
(73) General Cable Technologies Corporation  
(72) HILLS, Charles W.  
(74) ir. A. Blokland c.s.  
(31) 789801  
(32) 28.05.2010  
(33) United States of America  
(47) 10.06.2020
- 
- (51) C08K 5/00  
C08K 5/10  
C08K 5/11  
C08K 5/12  
C08L 27/06  
(11) EP3433309  
(21) EP17719490.9  
(22) 22.03.2017  
(54) POLYMER COMPOSITION  
CONTAINING A CYCLOALKYL ALKYL  
DICARBOXYLIC ACID DIESTER AS A  
PLASTICIZER  
(73) BASF SE  
(72) PFEIFFER, Matthias  
BREITSCHIEDL, Boris  
GRIMM, Axel  
MORGENSTERN, Herbert  
KALLER, Martin  
(74) ir. W.J.J.M. Kempes  
(31) 16161873  
(32) 23.03.2016  
(33) European Patent Office (EPO)  
(47) 13.05.2020
- 
- (51) C08L 83/04  
(11) EP3494176  
(21) EP17748495.3  
(22) 03.08.2017  
(54) ELASTOMERIC COMPOSITIONS AND  
THEIR APPLICATIONS  
(73) Dow Silicones Corporation  
(72) GUBBELS, Frederic  
BAILY, Victor  
CHAMBARD, Gregory  
(74) ir. J.D. de Zeeuw  
(31) 201613412  
(32) 03.08.2016  
(33) United Kingdom  
(47) 20.05.2020
- 
- (51) C09D 5/08  
C23F 11/10  
(11) EP2111483  
(21) EP08761757.7  
(22) 11.01.2008  
(54) CORROSION INHIBITOR  
(73) Ascotec  
(72) ROUVREAU, Sabine  
GAILLON, Christine  
(74) drs. P.F.H.M. van Someren c.s.  
(31) 0700204  
(32) 11.01.2007  
(33) France  
(47) 29.04.2020
- 
- (51) C09K 8/528  
(11) EP3507341  
(21) EP17784708.4  
(22) 01.09.2017  
(54) TREATMENT OF SULFIDE SCALES  
(73) Saudi Arabian Oil Company  
(72) Hull, Katherine Leigh  
Cooper, Brent  
(74) ir. W.J.J.M. Kempes  
(31) 201662382558 P  
(32) 01.09.2016  
(33) United States of America  
(47) 13.05.2020
- 
- (51) C09K 8/584  
C09K 8/594  
(11) EP3289043  
(21) EP16730050.8  
(22) 28.04.2016  
(54) CO-SURFACTANT FOAM-FORMING  
COMPOSITION FOR ENHANCED OIL  
RECOVERY  
(73) Dow Global Technologies LLC  
Rohm and Haas Company  
(72) FRATTARELLI, David L.  
MUKHERJEE, Joydeep  
FALCONE-POTTS, Susan K.  
HERNANDEZ, Martha  
KNIGHT, Troy E.  
PATIL, Pramod D.  
(74) ir. J.D. de Zeeuw  
(31) 201562155163 P  
(32) 30.04.2015  
(33) United States of America  
(47) 06.05.2020
- 
- (51) C10G 3/00  
(11) EP2935520  
(21) EP13815608.8  
(22) 04.12.2013  
(54) PROCESS FOR MAKING A LUBE  
BASESTOCK FROM RENEWABLE  
FEEDS  
(73) ExxonMobil Research and Engineering  
Company  
(72) WANG, Kun  
ROBERTS, Virginia M.  
OLDBENBURG, Paul D.  
HO, Suzzy Chen Hsi  
DAAGE, Michel  
WANG, Frank Cheng-Yu  
(74) ir. W.J.J.M. Kempes  
(31) 201261738482 P  
(32) 18.12.2012  
(33) United States of America  
(47) 20.05.2020

(51) C10G 7/06	WEIGHT WATER-IN-OIL EMULSION	(22) 18.12.2015
(11) EP3344732	POLYMERS	(54) PROTEASE VARIANTS AND
(21) EP16759779.8	(73) Ecolab USA Inc.	POLYNUCLEOTIDES ENCODING
(22) 01.09.2016	(72) MAN, Victor Fuk-Pong	SAME
(54) METHOD FOR THE VACUUM	ANDERSON, Derrick	(73) Novozymes A/S
DISTILLATION OF A HYDROCARBON	CHRISTIAN, Paul	(72) RASMUSSEN, Frank W.
FEED STOCK	CREW, Benjamin	TOSCANO, Miguel D. G. P.
(73) Technip France	HUANG, Xinyu	CHRISTENSEN, Lars L. H.
(72) COTTIN, Patrick	HODGE, Charles Allen	FRIIS, Esben Peter
PITARD, Helene	BLATTNER, Amanda Ruth	(74) ir. M.F.J.M. Ketelaars c.s.
(74) ir. H.A. Witmans c.s.	(74) dr. W.A.H.M. Van Borm	(31) 14199399
(31) 1558097	(31) 201662340036 P	(32) 19.12.2014
(32) 01.09.2015	(32) 23.05.2016	(33) European Patent Office (EPO)
(33) France	(33) United States of America	(47) 27.05.2020
(47) 17.06.2020	(47) 29.04.2020	<hr/>
(51) C10G 45/02	(51) C11D 3/386	(51) C12F 3/10
C10G 47/00	C11D 7/42	C12P 7/06
C10G 65/12	(11) EP2366013	C12P 7/14
C10G 67/02	(21) EP08878537.3	A23K 10/38
(11) EP3415588	(22) 04.12.2008	A23K 50/30
(21) EP18305724.9	(54) LAUNDRY COMPOSITIONS AND	A23K 50/75
(22) 13.06.2018	METHODS OF USE	(11) EP3541948
(54) TWO-STAGE HYDROCRACKING	(73) ECOLAB USA INC.	(21) EP17804140.6
INTEGRATED PROCESS AND	(72) FORTH, Peter	(22) 16.11.2017
HYDROPROCESSING PROCESS	MERZ, Thomas	(54) METHOD TO IMPROVE THE
(73) IFP Energies nouvelles	(74) dr. W.A.H.M. Van Borm	NUTRITIONAL QUALITY OF
(72) VERSTRAETE, Jan	(47) 13.05.2020	FERMENTATION BY-PRODUCTS
TELLIER, Elodie	(51) C11D 3/386	(73) Direvo Industrial Biotechnology GmbH
PLENNEVAUX, Thomas	C11D 7/42	BASF Enzymes, LLC
GUILLOIN, Emmanuelle	C12N 9/42	(72) KRÄMER, Marco
PIERRON, Anne-Claire	C12N 15/56	SCHMITZ, Alexandra
(74) ir. W.J.J.M. Kempes	C12N 15/63	(74) dr. W.A.H.M. Van Borm
(31) 1755489	D06M 16/00	(31) 201662423559 P
(32) 16.06.2017	(11) EP2545168	(32) 17.11.2016
(33) France	(21) EP11752783.8	(33) United States of America
(47) 13.05.2020	(22) 11.03.2011	(47) 29.04.2020
<hr/>	<hr/>	<hr/>
(51) C10M 141/12	(54) MODIFIED FAMILY 5 CELLULASES	(51) C12M 1/00
C10M 163/00	AND USES THEREOF	C12M 1/107
C10N 10/12	(73) Novozymes A/S	C12P 3/00
C10N 30/04	(72) MASRI, Nabil	C12P 5/02
C10N 30/10	ST-PIERRE, Patrick	C12P 7/40
C10N 40/25	MORTIMER, Sandra	(11) EP2361229
(11) EP3484983	HILL, Chris	(21) EP09822331.6
(21) EP17714116.5	(74) ir. W.J.J.M. Kempes	(22) 21.10.2009
(22) 16.03.2017	(31) 312864 P	(54) SYSTEMS AND METHODS FOR
(54) SYNERGISTIC LUBRICATING OIL	(32) 11.03.2010	ANAEROBIC DIGESTION AND
COMPOSITION CONTAINING MIXTURE	(33) United States of America	COLLECTION OF PRODUCTS
OF ANTIOXIDANTS	(47) 13.05.2020	(73) Socati Technologies-Oregon, LLC
(73) Chevron Oronite Company LLC	(51) C11D 3/386	(72) STEPHENS, James
(72) QIAN, Xuelei Lily	C12N 9/24	(74) ir. J.C. Volmer c.s.
(74) ir. M.F.J.M. Ketelaars c.s.	(11) EP3478810	(31) 107279 P
(31) 201615209272	(21) EP17736906.3	(32) 21.10.2008
(32) 13.07.2016	(22) 29.06.2017	(33) United States of America
(33) United States of America	(54) DETERGENT COMPOSITIONS	(47) 10.06.2020
(47) 27.05.2020	COMPRISING	<hr/>
<hr/>	ARABINOFURANOSIDASES	(51) C12M 1/00
(51) C11D 3/04	(73) Novozymes A/S	C12M 1/12
C11D 3/37	(72) BALTSEN, Lilian, Eva, Tang,	C12M 3/00
C11D 3/39	SCHNORR, Kirk, Matthew	(11) EP3260528
C11D 3/395	(74) ir. M.F.J.M. Ketelaars c.s.	(21) EP16772146.3
C11D 17/00	(31) PCT/EP2016/177504	(22) 09.03.2016
C11D 17/04	(32) 01.07.2016	(54) CELL CULTURE APPARATUS
(11) EP3464541	(33) World Intellectual Property Office (WIPO)	(73) PHC Holdings Corporation
(21) EP17726518.8	(47) 27.05.2020	(72) BABA, Manami
(22) 23.05.2017	(51) C11D 3/386	TOKUMARU, Tomoyoshi
(54) REDUCED MISTING ALKALINE AND	C12N 9/64	(74) ir. J.C. Volmer c.s.
NEUTRAL CLEANING, SANITIZING,	(11) EP3234093	(31) 2015071448
AND DISINFECTING COMPOSITIONS	(21) EP15817281.7	(32) 31.03.2015
VIA THE USE OF HIGH MOLECULAR		(33) Japan
		(47) 10.06.2020



(51) C12M 1/42 C12M 3/00	(22) 03.06.2011	(33) European Patent Office (EPO)
(11) EP2399985	(54) COMPOSITION FOR INDUCING PROLIFERATION OR ACCUMULATION OF REGULATORY T CELLS	(47) 13.05.2020
(21) EP10015997.9	(73) The University of Tokyo	(51) C12N 15/10 C12Q 1/68
(22) 23.12.2010	(72) HONDA, Kenya	(11) EP3161137
(54) Method and electrode assembly for treating adherent cells	ATARASHI, Koji	(21) EP15744405.0
(73) Lonza Cologne GmbH	ITOH, Kikuji	(22) 25.06.2015
(72) Koblizek, Thomas	TANOUE, Takeshi	(54) LIBRARY PREPARATION OF TAGGED NUCLEIC ACID USING SINGLE TUBE ADD-ON PROTOCOL
Heinze, Andreas	(74) mr.ir. F.N. Ferro	(73) Illumina, Inc.
Gleissner, Timo	(31) 2010129134	(72) KAPER, Fiona
Müller-Hartmann, Herbert	PCT/JP2010/071746	CANN, Gordon
(74) ir. W.J.J.M. Kempes	(32) 04.06.2010	(74) ir. J.D. de Zeeuw
(31) 10006458	03.12.2010	(31) 201462017786 P
(32) 22.06.2010	(33) Japan	201462027198 P
(33) European Patent Office (EPO)	World Intellectual Property Office (WIPO)	(32) 26.06.2014
(47) 29.04.2020	(47) 29.04.2020	21.07.2014
(51) C12M 3/00 C12N 7/00 C12N 15/86 C12N 15/87 C12N 5/0783	(51) C12N 5/077	(33) United States of America United States of America
(11) EP3215601	(11) EP3008172	(47) 13.05.2020
(21) EP15802231.9	(21) EP14732446.1	(51) C12Q 1/6816 C12Q 1/682
(22) 04.11.2015	(22) 06.06.2014	(11) EP3077541
(54) METHODS FOR TRANSDUCTION AND CELL PROCESSING	(54) CULTURE MEDIUM COMPOSITIONS FOR MATURATING CARDIOMYOCYTES DERIVED FROM PLURIPOTENT MAMMALIAN STEM CELLS	(21) EP14863081.7
(73) Juno Therapeutics, Inc.	(73) Ncardia B.V.	(22) 26.11.2014
(72) CRISMAN, Ryan, L.	(72) BRAAM, Stefan Robbert	(54) MULTIPLEX DETECTION OF NUCLEIC ACIDS
RAMSBORG, Chris	(74) ir. A. Blokland c.s.	(73) Vanadis Diagnostics
WOOD, Travis	(31) 2010953	(72) DAHL, Carl Oscar Fredrik ERICSSON, John Olof
(74) ir. M.F.J.M. Ketelaars c.s.	(32) 11.06.2013	(74) dr. A. Krebs
(31) 201462075801 P	(33) Netherlands	(31) 201321196
201562129023 P	(47) 06.05.2020	(32) 02.12.2013
(32) 05.11.2014	(51) C12N 7/01	(33) United Kingdom
05.03.2015	C12N 7/02	(47) 08.07.2020
(33) United States of America	C12N 15/09	(51) C12Q 1/6886
United States of America	C12N 15/44	(11) EP3303619
(47) 27.05.2020	C12N 15/86	(21) EP16728525.3
(51) C12N 1/00	C12P 21/00	(22) 27.05.2016
C12Q 1/02	(11) EP3009507	(54) PD-L1 PROMOTER METHYLATION IN CANCER
G01N 33/50	(21) EP15197386.4	(73) F. Hoffmann-La Roche AG
A61K 35/74	(22) 12.02.2003	(72) KADEL, Edward
(11) EP3178483	(54) SIGNAL FOR PACKAGING OF INFLUENZA VIRUS VECTORS	KOWANETZ, Marcin
(21) EP16188203.0	(73) Wisconsin Alumni Research Foundation	WALTER, Kimberly
(22) 03.06.2011	(72) KAWAOKA, Yoshihiro	(74) drs. C.M.A. Quintelier
(54) COMPOSITION FOR INDUCING PROLIFERATION OR ACCUMULATION OF REGULATORY T CELLS	(74) J.M.H. Duyver lic.	(31) 201562168668 P
(73) The University of Tokyo	(31) 356538 P	(32) 29.05.2015
(72) HONDA, Kenya	438679 P	(33) United States of America
ATARASHI, Koji	(32) 13.02.2002	(47) 10.06.2020
ITOH, Kikuji	07.01.2003	(51) C13B 20/14 B01D 15/10 B01D 15/18 B01D 15/36 B01J 39/26 C07H 3/00 C13K 13/00
TANOUE, Takeshi	(33) United States of America	(11) EP2401046
(74) mr.ir. F.N. Ferro	United States of America	(21) EP10745857.2
(31) 2010129134	(47) 24.06.2020	(22) 24.02.2010
PCT/JP2010/071746	(51) C12N 9/10	(54) SEPARATION PROCESS
(32) 04.06.2010	C12P 7/04	(73) DuPont Nutrition Biosciences ApS
03.12.2010	(11) EP3390622	(72) AIRAKSINEN, Jyrki
(33) Japan	(21) EP16822416.0	HEIKKILÄ, Heikki
World Intellectual Property Office (WIPO)	(22) 15.12.2016	LEWANDOWSKI, Jari
(47) 29.04.2020	(54) A GENETICALLY MODIFIED ACETOGENIC CELL	LAIHO, Kari
(51) C12N 1/00	(73) Evonik Operations GmbH	SARMALA, Päivi
C12Q 1/02	(72) HAAS, Thomas	
G01N 33/50	BÜLTER, Thomas	
A61K 35/74	HECKER, Anja	
(11) EP3552613	(74) ir. W.J.J.M. Kempes	
(21) EP19174499.4	(31) 15200673	
	(32) 17.12.2015	

(74) ir. H.A. Witmans c.s.	C21D 1/74	(72) Wagner, Frank
(31) 155261 P	C21D 9/00	Frischkorn, Harald
(32) 25.02.2009	C23C 8/02	(74) drs. P.F.H.M. van Someren c.s.
(33) United States of America	C23C 8/34	(31) 102017101931
(47) 29.04.2020	C23C 8/80	(32) 01.02.2017
(51) C21B 5/06	F27B 5/04	(33) Germany
C21B 7/00	F27B 9/02	(47) 13.05.2020
C21C 1/00	F27B 19/02	(51) C21D 1/26
C21C 5/28	F27D 3/04	C21D 6/00
C21C 5/38	(11) EP3218530	C21D 8/02
C21C 5/40	(21) EP15805560.8	C21D 8/04
C25B 1/04	(22) 12.10.2015	C21D 9/46
C25B 15/08	(54) METHOD AND FACILITY FOR	C22C 38/00
(11) EP3080308	CARBONITRIDING ONE OR	C22C 38/02
(21) EP14815581.5	MORE STEEL PARTS UNDER	C22C 38/04
(22) 11.12.2014	LOW PRESSURE AND AT A HIGH	C22C 38/38
(54) COMBINED SYSTEM FOR	TEMPERATURE	C23C 2/02
PRODUCING STEEL AND METHOD	(73) ECM Technologies SAS	C23C 2/06
FOR OPERATING THE COMBINED	(72) LAPIERRE, Philippe	C23C 2/12
SYSTEM	LARDINOIS, Jerome	C23C 2/28
(73) thyssenkrupp AG	(74) ir. F.A. Geurts c.s.	C23C 2/40
(72) ACHATZ, Reinhold	(31) 1460975	(11) EP3464662
WAGNER, Jens	(32) 14.11.2014	(21) EP17727948.6
OLES, Markus	(33) France	(22) 22.05.2017
SCHMÖLE, Peter	(47) 13.05.2020	(54) METHOD FOR PRODUCING A
KLEINSCHMIDT, Ralph	(51) C21D 1/18	TWIP STEEL SHEET HAVING AN
KRÜGER, Matthias Patrick	C21D 7/13	AUSTENITIC MICROSTRUCTURE
KROTOV, Denis	C21D 8/02	(73) Arcelormittal
VON MORSTEIN, Olaf	C21D 9/46	(72) IUNG, Thierry
(74) ir. H.A. Witmans c.s.	C22C 38/00	PETITGAND, Gerard
(31) 102013113921	C22C 38/02	(74) ir. A.R. Aalbers
(32) 12.12.2013	C22C 38/04	(31) PCT/IB2016/000695
(33) Germany	C22C 38/06	(32) 24.05.2016
(47) 06.05.2020	C22C 38/12	(33) World Intellectual Property Office (WIPO)
(51) C21C 7/00	C22C 38/14	(47) 13.05.2020
C22C 38/00	C22C 38/26	(51) C21D 6/00
C22C 38/02	C22C 38/28	C21D 8/02
C22C 38/44	C22C 38/32	C21D 9/46
C22C 38/46	C22C 38/34	C22C 38/00
C22C 38/48	C22C 38/38	C22C 38/02
C22C 38/50	C23C 2/04	C22C 38/04
C22C 38/52	C23C 2/06	C22C 38/06
C22C 38/54	C23C 2/12	C22C 38/18
C22C 38/58	C23C 2/28	C22C 38/38
(11) EP3287540	(11) EP3221476	(11) EP3395980
(21) EP17187909.1	(21) EP15801261.7	(21) EP16879377.6
(22) 25.08.2017	(22) 17.11.2015	(22) 23.12.2016
(54) CR-MN-N AUSTENITIC HEAT-	(54) METHOD FOR MANUFACTURING A	(54) NON-MAGNETIC STEEL MATERIAL
RESISTANT STEEL AND A METHOD	HIGH STRENGTH STEEL PRODUCT	HAVING EXCELLENT HOT
FOR MANUFACTURING THE SAME	AND STEEL PRODUCT THEREBY	WORKABILITY AND MANUFACTURING
(73) Tianjin New Wei San Industrial Co., Ltd.	OBTAINED	METHOD THEREFOR
(72) CHEN, Yousan	(73) Arcelormittal	(73) POSCO
CHEN, Changbin	(72) ARLAZAROV, Artem	(72) LEE, Un-Hae
LIN, Zhengde	ZHU, Kangying	KIM, Sung-Kyu
GUO, Zhixiong	(74) ir. A.R. Aalbers	LEE, Soon-Gi
Millot, Michel	(31) PCT/IB2014/066128	KIM, Yong-Jin
XIE, Chengxing	(32) 18.11.2014	OH, Hong-Yeol
WANG, Jinhui	(33) World Intellectual Property Office (WIPO)	(74) ir. M.F.J.M. Ketelaars c.s.
WEN, Xuewen	(47) 13.05.2020	(31) 20150184757
TAN, Mingming	(51) C21D 1/25	20160176294
ZONG, Lintao	C21D 8/06	(32) 23.12.2015
TIAN, Henglin	C21D 9/00	22.12.2016
(74) ir. A. Blokland c.s.	(11) EP3358021	(33) Korea (Republic)
(31) 201610740208	(21) EP18151127.0	Korea (Republic)
(32) 26.08.2016	(22) 11.01.2018	(47) 06.05.2020
(33) China	(54) HIGH-STRENGTH SCREW WITH A	(51) C21D 8/02
(47) 24.06.2020	SOFTENED STUD	C21D 9/46
(51) C21D 1/06	(73) KAMAX Holding GmbH & Co. KG	C22C 38/00

- (11) EP3221477  
(21) EP15747457.8  
(22) 03.08.2015  
(54) METHOD FOR PRODUCING A NITRIDED PACKAGING STEEL  
(73) thyssenkrupp AG  
ThyssenKrupp Rasselstein GmbH  
(72) MASSICOT, Blaise  
KÖHL, Manuel  
KAUP, Burkhard  
SAUER, Reiner  
KLEMMER, Ricarda  
KIEWITZ, Chrysanthus  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 102014116929  
(32) 19.11.2014  
(33) Germany  
(47) 03.06.2020  
(51) C21D 9/46  
C22C 38/00  
(11) EP3394300  
(21) EP16822986.2  
(22) 20.12.2016  
(54) METHOD FOR PRODUCING A HIGH STRENGTH STEEL SHEET HAVING IMPROVED DUCTILITY AND FORMABILITY, AND OBTAINED STEEL SHEET  
(73) ArcelorMittal  
(72) GOSPODINOVA, Maya  
HEBERT, Véronique  
VENKATASURYA, Pavan  
(74) ir. A.R. Aalbers  
(31) PCT/IB2015/059839  
(32) 21.12.2015  
(33) World Intellectual Property Office (WIPO)  
(47) 13.05.2020  
(51) C21D 9/46  
C22C 38/06  
C22C 38/60  
(11) EP3394299  
(21) EP16820260.4  
(22) 21.12.2016  
(54) METHOD FOR PRODUCING A HIGH STRENGTH STEEL SHEET HAVING IMPROVED STRENGTH AND FORMABILITY, AND OBTAINED HIGH STRENGTH STEEL SHEET  
(73) ArcelorMittal  
(72) VENKATASURYA, Pavan  
JUN, Hyun Jo  
(74) ir. A.R. Aalbers  
(31) PCT/IB2015/059838  
(32) 21.12.2015  
(33) World Intellectual Property Office (WIPO)  
(47) 06.05.2020  
(51) C22B 25/06  
C23F 1/30  
C23F 1/44  
C23F 1/46  
(11) EP3019635  
(21) EP14737314.6  
(22) 02.07.2014  
(54) METHODS FOR RECOVERING OR REMOVING TIN AND/OR TIN ALLOY  
(73) Alpha Assembly Solutions Inc.  
(72) PUJARI, Narahari  
SARKAR, Siuli  
SINGH, Bawa  
GOSWAMI, Daniel  
(74) ir. H.J.G. Lips c.s.  
(31) 201361843595 P  
(32) 08.07.2013  
(33) United States of America  
(47) 01.07.2020  
(51) C22F 1/053  
C23C 2/26  
C23C 2/28  
(11) EP2021523  
(21) EP07718957.9  
(22) 24.05.2007  
(54) TREATING AL/ZN-BASED ALLOY COATED PRODUCTS  
(73) Bluescope Steel Limited  
(72) LIU, Qiyang  
SMITH, Ross McDowall  
SHEDDEN, Bryan Andrew  
(74) ir. F.A. Geurts c.s.  
(31) 2006902799  
(32) 24.05.2006  
(33) Australia  
(47) 20.05.2020  
(51) C23C 2/02  
C23C 2/06  
C23C 2/26  
C23C 14/02  
C23C 14/16  
C23C 14/58  
C23C 22/53  
C23C 22/60  
C23C 22/68  
C23C 28/00  
C25D 3/56  
C25D 5/48  
C25D 7/06  
C25D 11/34  
(11) EP3017076  
(21) EP14747128.8  
(22) 04.07.2014  
(54) SHEET METAL TREATMENT METHOD FOR REDUCING BLACKENING OR TARNISHING DURING THE STORAGE THEREOF, AND METAL SHEET TREATED WITH THIS METHOD  
(73) ArcelorMittal  
(72) CHALEIX, Daniel  
ALLELY, Christian  
MONNOYER, Maxime  
FELTIN, Pascale  
(74) ir. A.R. Aalbers  
(31) PCT/IB2013/001447  
(32) 04.07.2013  
(33) World Intellectual Property Office (WIPO)  
(47) 06.05.2020  
(51) C23C 4/02  
C23C 4/18  
F16L 57/04  
F16L 59/02  
F16L 59/07  
F16L 59/08  
C23C 4/10  
(11) EP2417384  
(21) EP10714657.3  
(22) 09.04.2010  
(54) AN ARTICLE, AN INTERMEDIATE PRODUCT, AND A METHOD OF MAKING AN ARTICLE  
(73) Zircotec IP Limited  
(72) PRENTICE, Thomas, Campbell  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 0906312  
(32) 09.04.2009  
(33) United Kingdom  
(47) 08.07.2020  
(51) C23C 16/503  
H01J 37/32  
H05H 1/24  
(11) EP3513422  
(21) EP17762144.8  
(22) 08.09.2017  
(54) POST-DISCHARGE PLASMA COATING DEVICE FOR WIRED SUBSTRATES  
(73) Luxembourg Institute of Science and Technology (LIST)  
(72) BULOUE, Simon  
CHOQUET, Patrick  
GAULAIN, Thomas  
GERARD, Mathieu  
(74) ir. W.J.J.M. Kempes  
(31) 93222  
(32) 15.09.2016  
(33) Luxembourg  
(47) 29.04.2020  
(51) C23C 22/62  
C23C 22/68  
C23C 28/00  
C25D 9/08  
C25D 9/10  
C25D 11/00  
(11) EP3085816  
(21) EP14872878.5  
(22) 05.12.2014  
(54) SURFACE-TREATED STEEL SHEET, ORGANIC-RESIN-COATED METAL CONTAINER, AND METHOD FOR PRODUCING SURFACE-TREATED STEEL SHEET  
(73) Toyo Seikan Co., Ltd.  
(72) KUROKAWA, Wataru  
HIROTSU, Munemitsu  
AIHARA, Mitsuhide  
MATSUKAWA, Masahiko  
UCHIKAWA, Miwa  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 2013260930  
(32) 18.12.2013  
(33) Japan  
(47) 10.06.2020  
(51) D01D 10/06  
D01F 6/80  
(11) EP2802692  
(21) EP12701793.7  
(22) 11.01.2012  
(54) METHOD FOR REMOVING SULFUR FROM FIBER USING AN AQUEOUS ACID  
(73) DuPont Safety & Construction, Inc.  
(72) ALLEN, Steven, R.  
GABARA, Vlodek  
LOWERY, Joseph, Lenning  
LUSTIG, Steven, Raymond  
NEWTON, Christopher, William

RODINI, David, J. SITTER, Andrew, J. (74) ir. H.A. Witmans c.s. (47) 29.04.2020	MASSEY, Adrian Leigh (74) ir. H.A. Witmans c.s. (31) 2013273747 (32) 20.12.2013 (33) Australia (47) 29.04.2020	(21) EP11008201.3 (22) 11.10.2011 (54) Work device (73) Liebherr-Hydraulikbagger GmbH (72) Lavergne, Hans-Peter Egenrieder, Philipp Asam, Dirk (74) ir. M.F.J.M. Ketelaars c.s. (31) 102010051664 (32) 17.11.2010 (33) Germany (47) 03.06.2020
(51) D05B 55/02 D05B 71/04 (11) EP3351672 (21) EP17152910.0 (22) 24.01.2017 (54) NEEDLE CLAMP FOR SEWING MACHINE COMPRISING A NEEDLE COOLING DEVICE AND METHOD OF COOLING A NEEDLE (73) Sanko Tekstil Isletmeleri San. Ve Tic. A.S. (72) MERT, Serkan CESIT, Alper COBANOGLU, Ozgur (74) dr. G. Visser-Luirink (47) 13.05.2020	(51) E01F 15/04 (11) EP3277886 (21) EP15721313.3 (22) 02.04.2015 (54) SPACER FOR ROAD SAFETY BARRIER (73) ArcelorMittal (72) GREMLING, Michaël (74) ir. A.R. Aalbers (47) 13.05.2020	(51) E03F 7/04 (11) EP3375945 (21) EP18170727.4 (22) 03.09.2015 (54) CLOSURE DEVICE FOR A BACK FLOW PREVENTER (73) STRATE Technologie für Abwasser GmbH (72) Demmig, Detlev (74) ir. W.J.J.M. Kempes (31) 102014112867 (32) 08.09.2014 (33) Germany (47) 13.05.2020
(51) E01C 11/02 E04B 1/48 E04B 5/32 E04B 5/40 E04C 5/16 E04C 5/18 E04C 5/20 (11) EP2998455 (21) EP15185955.0 (22) 18.09.2015 (54) APPARATUS (73) Spurrell, Shaun Anthony (72) Spurrell, Shaun Anthony (74) dr. A. Krebs (31) 201416729 (32) 22.09.2014 (33) United Kingdom (47) 06.05.2020	(51) E02B 15/00 (11) EP3303709 (21) EP15894496.7 (22) 09.11.2015 (54) ON-BOARD RE-INFLATABLE CONTAINMENT BOOM SYSTEM AND METHOD (73) Miller, Michael T. Hall, Terry (72) Miller, Michael T. Hall, Terry (74) ir. W.J.J.M. Kempes (31) 201514730742 (32) 04.06.2015 (33) United States of America (47) 29.04.2020	(51) E04B 2/86 E04H 4/00 (11) EP3478907 (21) EP17745409.7 (22) 30.06.2017 (54) MODULAR PANEL FOR POOL WALLS AND CORRESPONDING POOL (73) Piscines Desjoyaux SA (72) DESJOYAUX, Jean-Louis TRIPIER, Jacky (74) dr. W.A.H.M. Van Borm (31) 1656311 (32) 01.07.2016 (33) France (47) 29.04.2020
(51) E01F 5/00 (11) EP2473678 (21) EP10814140.9 (22) 06.08.2010 (54) MODULE AND ASSEMBLY FOR MANAGING THE FLOW OF WATER (73) Stormtrap Llc (72) MAY, Justin, Ivan HERATY, Tom BURKHART, Philip, J. (74) J.M.H. Duyver lic. (31) 553732 (32) 03.09.2009 (33) United States of America (47) 29.04.2020	(51) E02D 5/44 E02D 7/28 E02D 23/04 (11) EP3445916 (21) EP17721878.1 (22) 13.04.2017 (54) FOUNDATION ELEMENT (73) Cape Holland Holding B.V. (72) DE NEEF, Laurens (74) drs. P.F.H.M. van Someren c.s. (31) 2016626 (32) 18.04.2016 (33) Netherlands (47) 13.05.2020	(51) E04B 5/29 E04B 5/43 E04C 3/04 E04C 3/294 E04C 5/07 (11) EP3266951 (21) EP17180724.1 (22) 13.01.2015 (54) COMPOSITE COMPONENT HAVING FLAT PREFABRICATED CONCRETE ELEMENTS (73) GOLDBECK GmbH (72) Heppes, Oliver (74) ir. A. Blokland c.s. (31) 102014000316 (32) 13.01.2014 (33) Germany (47) 01.04.2020
(51) E01F 8/00 E04B 1/84 E04C 2/22 E04H 17/16 (11) EP3084096 (21) EP14872127.7 (22) 18.12.2014 (54) PLASTIC PANEL AND STRUCTURES USING THE SAME (73) AUS Group Alliance Pty Ltd. (72) MARANDOS, Nicholas TAYLOR, Adam Lee HALL, Graeme Peter HISGROVE, Graeme Francis CLOWES, Neil Joseph	(51) E02F 3/92 E02F 9/28 (11) EP3167125 (21) EP15738050.2 (22) 10.07.2015 (54) TOOTH FOR A DREDGING MACHINE (73) Metalogenia Research & Technologies S.L. (72) TRIGINER BOIXEDA, Jorge TUTO, Joan ALVAREZ PORTELLA, Eduard BRUFAU GUINOVART, Jordi (74) J.M.H. Duyver lic. (31) 14382271 (32) 11.07.2014 (33) European Patent Office (EPO) (47) 20.05.2020	(51) E04D 13/04 (11) EP3198087 (21) EP15781984.8 (22) 25.09.2015 (54) FLOW RESTRICTOR (73) Polypipe Limited (72) WEBB, Darren V. (74) ir. H.A. Witmans c.s. (31) 201416945

(32) 25.09.2014	United Kingdom	(74) ir. W.J.J.M. Kempes
(33) United Kingdom	United Kingdom	(31) 0801292
(47) 29.04.2020	United Kingdom	0900275
(51) E04D 13/04	(47) 27.05.2020	(32) 31.05.2008
E04D 13/15	(51) E21B 29/00	03.03.2009
E04F 15/02	E21B 29/02	(33) Sweden
E04F 19/00	E21B 31/107	Sweden
E04F 19/02	(11) EP3356640	(47) 29.04.2020
E04F 19/06	(21) EP15904281.1	(51) F01K 7/32
(11) EP3447211	(22) 18.09.2015	F01K 23/10
(21) EP18187328.2	(54) MINI-SEVERING AND BACK-OFF	F01K 25/08
(22) 03.08.2018	TOOL WITH PRESSURE BALANCED	(11) EP3408506
(54) PROFILED ELEMENT FOR TERRACES	EXPLOSIVES	(21) EP16795303.3
AND BALCONIES	(73) W.T. Bell International, Inc.	(22) 10.11.2016
(73) Progress Profiles SPA	(72) Bell, William T.	(54) COMBINED CYCLE POWER PLANT
(72) BORDIN, Dennis	Rairigh, James	(73) Siemens Aktiengesellschaft
(74) ir. J.C. Volmer c.s.	(74) dr. A. Ellens c.s.	(72) ELSAKET, Gamal
(31) 201700094883	(47) 29.04.2020	(74) ir. M.F.J.M. Ketelaars c.s.
(32) 22.08.2017	(51) E21B 34/06	(31) 16159850
(33) Italy	F16K 31/00	(32) 11.03.2016
(47) 27.05.2020	F16K 47/00	(33) European Patent Office (EPO)
(51) E05B 65/10	G05D 7/00	(47) 06.05.2020
(11) EP2586941	E21B 47/00	(51) F02M 37/00
(21) EP12005711.2	(11) EP3317494	(11) EP2628937
(22) 07.08.2012	(21) EP16818312.7	(21) EP12007016.4
(54) Locking device for a motor vehicle door	(22) 21.06.2016	(22) 10.10.2012
(73) MAN Truck & Bus SE	(54) AN APPARATUS FOR CONTROLLING A	(54) COVER ON THE OUTER
(72) Raykov, lassen	FLUID FLOW	CIRCUMFERENCE OF A FUEL TANK
(74) J.M.H. Duyver lic.	(73) TechInvent 2 AS	(73) MAN Truck & Bus Österreich AG
(31) 102011117399	(72) STENSEN, Alf, Egil	(72) Bruckschwaiger, Daniel
(32) 31.10.2011	GUDMESTAD, Tarald	(74) J.M.H. Duyver lic.
(33) Germany	(74) ir. A. Blokland c.s.	(31) 1932012
(47) 24.06.2020	(31) 20150851	(32) 16.02.2012
(51) E21B 19/14	(32) 01.07.2015	(33) Austria
F16L 3/00	(33) Norway	(47) 24.06.2020
(11) EP3482033	(47) 29.04.2020	(51) F03B 13/20
(21) EP17739652.0	(51) E21B 47/12	(11) EP3423704
(22) 04.07.2017	E21B 47/18	(21) EP17711735.5
(54) SENSOR FOR A FINGERBOARD	(11) EP3189208	(22) 01.03.2017
LATCH ASSEMBLY	(21) EP15766188.5	(54) WAVE POWER DEVICE
(73) Salunda Limited	(22) 02.09.2015	(73) Mocean Energy Ltd
(72) FINLAY, Alan Patrick John	(54) METHOD AND APPARATUS FOR	(72) MCNATT, James Cameron
NEWTON, John Mark	CONTROLLING A DOWNHOLE TOOL	RETZLER, Christopher Heinz
LARKINS, Andrew Henry John	(73) Weatherford Technology Holdings, LLC	(74) dr. W.A.H.M. Van Born
DAVIS, Mathew	(72) KNIGHT, Matthew David	(31) 201603563
NICHOLLS, Grant	(74) ir. J.D. de Zeeuw	(32) 01.03.2016
(74) ir. M.F.J.M. Ketelaars c.s.	(31) 201415599	(33) United Kingdom
(31) 201611744	(32) 03.09.2014	(47) 03.06.2020
201615037	(33) United Kingdom	(51) F03D 1/00
201618935	(47) 06.05.2020	F03D 1/06
201618910	(51) E21F 1/04	(11) EP2788618
201700925	F16L 3/00	(21) EP12794333.0
201701273	F16L 3/133	(22) 30.11.2012
201703269	F16L 9/00	(54) REAR CASING, ROTOR BLADE WITH
201705355	F16L 9/17	REAR CASING, AND A WIND TURBINE
(32) 05.07.2016	F16L 9/21	THAT COMPRISES SUCH A ROTOR
05.09.2016	F16L 11/02	BLADE
09.11.2016	F24F 13/02	(73) Wobben Properties GmbH
09.11.2016	(11) EP2307814	(72) HOFFMANN, Alexander
19.01.2017	(21) EP09755136.0	KANNENBERG, Johannes
25.01.2017	(22) 29.05.2009	BAKER, Laurence
28.02.2017	(54) DUCT MEANS FOR AN AIR FLOW OR	SPIETH, Falk
03.04.2017	A GAS FLOW AND A METHOD FOR	(74) ir. H.A. Witmans c.s.
(33) United Kingdom	MANUFACTURING, HANDLING AND	(31) 102011088048
United Kingdom	MOUNTING SAID DUCT MEANS	102012209935
United Kingdom	(73) Malmö Air AB	(32) 08.12.2011
United Kingdom	(72) WALLIN, Peter	13.06.2012
United Kingdom	BERNHARDSSON, Göran	(33) Germany

Germany	(32) 11.12.2015	F16K 27/06
(47) 29.04.2020	(33) Belgium	(11) EP3472500
(51) F03D 7/02	(47) 29.04.2020	(21) EP16747619.1
G01P 5/26	(51) F16D 1/10	(22) 20.06.2016
F03D 17/00	G03G 15/01	(54) SANITARY DIVERTER VALVE, DRYING SYSTEM INCLUDING AN IMPROVED VALVE ASSEMBLY COMPRISING SUCH A VALVE, AND METHOD OF CLEANING THE SYSTEM
(11) EP3430255	(11) EP2324396	(73) GEA Process Engineering A/S
(21) EP17711351.1	(21) EP09788055.3	(72) GREGERSEN, Morten
(22) 09.03.2017	(22) 27.08.2009	(74) E. Van Malderen
(54) METHOD OF CONDITION MONITORING ONE OR MORE WIND TURBINES AND PARTS THEREOF AND PERFORMING INSTANT ALARM WHEN NEEDED	(54) DEVELOPING DEVICE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS	(47) 20.05.2020
(73) Ventus Engineering GmbH	(73) Canon Kabushiki Kaisha	(51) F16K 17/16
(72) LYSGAARD, Lars	(72) TAKASAKA Atsushi	(11) EP354948
LÜBKER, Poul Anker Skaarup	MIYABE Shigeo	(21) EP17153103.1
(74) drs. P.F.H.M. van Someren c.s.	UENO Takahito	(22) 25.01.2017
(31) 201670147	(74) J.M.H. Duyver lic.	(54) RUPTURE DISC ASSEMBLY WITH A RUPTURE DISC AND AN ACTUATOR FOR REDUCING THE RUPTURE PRESSURE
(32) 14.03.2016	(31) 2008218465	(73) Rembe GmbH Safety + Control
(33) Denmark	2009191189	(72) Penno, Bernhard
(47) 06.05.2020	(32) 27.08.2008	Penno, Stefan
(51) F03D 80/10	(33) Japan	(74) J.M.H. Duyver lic.
(11) EP2783109	Japan	(47) 27.05.2020
(21) EP12790490.2	(47) 17.06.2020	(51) F16L 3/10
(22) 09.11.2012	(51) F16G 11/04	F16L 3/24
(54) METHOD FOR CONTROLLING AN OBSTRUCTION LIGHT, AND A WIND PARK FOR CARRYING OUT SUCH A METHOD	(11) EP3152459	(11) EP3387310
(73) Wobben Properties GmbH	(21) EP14894264.2	(21) EP16813155.5
(72) HARMS, Stephan	(22) 09.06.2014	(22) 06.12.2016
MÖLLER, Gerd	(54) LINE TENSIONER	(54) PIPE CLAMP FOR A RANGE OF PIPE DIAMETERS
(74) ir. H.A. Witmans c.s.	(73) Teck Keung Industrial Limited	(73) J. van Walraven Holding B.V.
(31) 102011086990	(72) HUI, Conway Kin Wai	(72) NIJDAM, Frank
(32) 23.11.2011	KUNG, Chi Hung	VAN DER MIK, Robert
(33) Germany	(74) ir. W.J.J.M. Kempes	(74) ir. J.C. Volmer c.s.
(47) 13.05.2020	(47) 29.04.2020	(31) 2015917
(51) F04B 35/04	(51) F16G 15/06	(32) 07.12.2015
F04B 39/14	(11) EP3356697	(33) Netherlands
F04B 41/02	(21) EP16779032.8	(47) 22.07.2020
(11) EP3193016	(22) 29.09.2016	(51) F16L 17/04
(21) EP17151886.3	(54) COMPONENT FOR LIFTING, LASHING OR STOP TECHNOLOGY, PARTICULARLY SHACKLES FOR OUTDOOR OR OFFSHORE APPLICATIONS	F16L 21/06
(22) 17.01.2017	(73) RUD Ketten Rieger & Dietz GmbH u. Co. KG	F16L 23/02
(54) IMPROVED AIR COMPRESSOR	(72) BETZLER, Michael	(11) EP3397884
(73) Chou, Wen-San	(74) ir. M.F.J.M. Ketelaars c.s.	(21) EP16882418.3
(72) Chou, Wen-San	(31) 102015218801	(22) 22.12.2016
(74) ir. J.H. de Hoog	(32) 29.09.2015	(54) ADAPTER COUPLING
(31) 105101447	(33) Germany	(73) Victaulic Company
(32) 18.01.2016	(47) 03.06.2020	(72) CUVO, Anthony, J.
(33) Taiwan, Province of China	(51) F16K 5/12	BOWMAN, Matthew, A.
(47) 29.04.2020	F16K 27/06	(74) drs. P.F.H.M. van Someren c.s.
(51) F15B 15/06	(11) EP3341635	(31) 201562271395 P
F15B 15/14	(21) EP16774998.5	(32) 28.12.2015
F16K 31/122	(22) 15.07.2016	(33) United States of America
F16K 31/163	(54) A VALVE, A VALVE SET AND A METHOD FOR MODIFYING A VALVE	(47) 03.06.2020
(11) EP3387306	(73) AB Somas Ventilier	(51) F21S 6/00
(21) EP16805070.6	(72) JANSSON, Magnus	F21S 10/04
(22) 30.11.2016	(74) ir. F.A. Geurts c.s.	F21W 121/00
(54) FLUID ACTUATED ROTARY ACTUATOR WITH MULTIPLE STOP POSITIONS	(31) 1551121	F21V 23/00
(73) Out And Out Chemistry S.P.R.L.	(32) 28.08.2015	F21Y 115/10
(72) VILLERET, Guillaume	(33) Sweden	(11) EP3392555
TADINO, Vincent	(47) 27.05.2020	(21) EP17171284.7
LORENT, Marc	(51) F16K 11/087	(22) 16.05.2017
ORLEANS, Adrien	F16K 24/02	(54) WICK STRUCTURE HAVING WIND BLOWING EFFECT FOR ELECTRONIC CANDLES
(74) J.M.H. Duyver lic.		(73) Diao, Liangfeng
(31) 201505817		

(72) Diao, Liangfeng	(47) 06.05.2020	(47) 13.05.2020
(74) ir. H.A. Witmans c.s.	(51) F24B 1/195	(51) F24F 12/00
(31) 201720401164 U	F24B 1/24	F24F 11/00
(32) 17.04.2017	(11) EP2213945	F24F 11/77
(33) China	(21) EP10250153.3	(11) EP2918935
(47) 13.05.2020	(22) 29.01.2010	(21) EP15157794.7
(51) F21V 8/00	(54) COMBUSTION APPARATUS AND	(22) 05.03.2015
(11) EP3428519	METHOD OF INCREASING HEAT	(54) METHOD FOR ROOM VENTILATION
(21) EP18177910.9	EXTRACTION FROM A COMBUSTION	AND VENTILATION SYSTEM FOR
(22) 15.06.2018	APPARATUS	SAME
(54) BACKLIGHT UNIT AND DISPLAY	(73) Ecco Stove Ltd	(73) Pluggit GmbH
DEVICE INCLUDING THE SAME	(72) Ashmore, David Owen	(72) Bolsmann, Christian
(73) Samsung Display Co., Ltd.	(74) J.M.H. Duyver lic.	(74) ir. M.F.J.M. Ketelaars c.s.
(72) Lee, Hye Sog	(31) 0901688	(31) 102014103155
Yang, Byung Choon	0915318	(32) 10.03.2014
You, Jae Ho	(32) 31.01.2009	(33) Germany
(74) drs. A.A. Jilderda	03.09.2009	(47) 06.05.2020
(31) 20170087330	(33) United Kingdom	(51) F24F 13/06
(32) 10.07.2017	United Kingdom	F24F 13/065
(33) Korea (Republic)	(47) 24.06.2020	F24F 13/072
(47) 29.07.2020	(51) F24D 17/00	(11) EP3327366
(51) F21V 8/00	F24H 1/18	(21) EP17202716.1
B60Q 3/208	F24H 1/20	(22) 21.11.2017
B60Q 3/64	F24H 9/02	(54) AIR OUTLET FOR TEMPERING A
(11) EP2893252	F28D 20/00	ROOM
(21) EP13774726.7	(11) EP3394521	(73) Krantz GmbH
(22) 05.09.2013	(21) EP16819856.2	(72) Felser, Hans
(54) ILLUMINATED GLASS PANEL	(22) 15.12.2016	Schweinheim, Claus
(73) Saint-Gobain Glass France	(54) HOT-WATER STORAGE MULTI-TANK	Rosbruch, Dietmar
(72) VERRAT-DEBAILLEUL, Adèle	DOMESTIC WATER HEATER	(74) J.M.H. Duyver lic.
BAUERLE, Pascal	(73) Winslim	(31) 202016106540 U
KLEO, Christophe	(72) GASPARD, Jean-Yves	(32) 23.11.2016
(74) ir. W.J.J.M. Kempes	(74) ir. W.J.J.M. Kempes	(33) Germany
(31) 1258312	(31) 1563142	(47) 20.05.2020
(32) 06.09.2012	(32) 22.12.2015	(51) F25D 3/12
(33) France	(33) France	C01B 32/55
(47) 06.05.2020	(47) 22.04.2020	(11) EP3433552
(51) F23J 1/00	(51) F24D 19/10	(21) EP17713608.2
(11) EP2668446	G01F 5/00	(22) 22.03.2017
(21) EP12708245.1	(11) EP2757324	(54) DEVICE FOR METERING CARBON
(22) 02.03.2012	(21) EP14150302.9	DIOXIDE SNOW
(54) PROCESSING OF WASTE	(22) 07.01.2014	(73) Messer France S.A.S.
INCINERATION ASHES	(54) Method for measuring volumetric flows	(72) FRÈRE, Émilien
(73) MDSU Mitteldutsche Schlacken Union	(73) Vaillant GmbH	(74) ir. W.J.J.M. Kempes
GmbH & Co. KG	(72) Wriske, Jochen	(31) 102016003799
Schauenburg Maschinen-und Anlagen-	Fischer, Christian	(32) 26.03.2016
Bau GmbH	Fahr, René	(33) Germany
(72) Evers, Friedrich-Wilhelm	(74) J.M.H. Duyver lic.	(47) 20.05.2020
Beckmann, Alexandra	(31) 102013000774	(51) F25D 17/04
Klinkhammer, Manfred	(32) 18.01.2013	F25D 23/02
(74) J. Hoekstra	(33) Germany	(11) EP2447635
(31) 102011013033	(47) 06.05.2020	(21) EP11186986.3
(32) 04.03.2011	(51) F24F 11/00	(22) 27.10.2011
(33) Germany	(11) EP3130865	(54) Plug member and low-temperature
(47) 06.05.2020	(21) EP16183800.8	storage
(51) F23N 1/02	(22) 11.08.2016	(73) PHC Holdings Corporation
F23N 5/02	(54) SELF-POWERED OUTLET WITH	(72) Takahashi, Yoshihiro
F23N 5/12	FLOW CONTROL AND METHOD FOR	(74) ir. J.C. Volmer c.s.
F23N 5/24	CONTROLLING AN ASSOCIATED CMV	(31) 2010242447
F24D 3/08	INSTALLATION	(32) 28.10.2010
(11) EP3477201	(73) Atlantic Climatisation et Ventilation	(33) Japan
(21) EP17198609.4	(72) FOURMENTIN, Dorian	(47) 17.06.2020
(22) 26.10.2017	DEMIA, Laurent	(51) F25J 1/00
(54) METHOD FOR OPERATING A GAS	(74) ir. W.J.J.M. Kempes	F25J 1/02
BURNER APPLIANCE	(31) 1557743	F25J 3/06
(73) Honeywell Technologies Sarl	(32) 14.08.2015	F25J 3/08
(72) Deptolla, Uwe	(33) France	(11) EP2788699
(74) ir. W.J.J.M. Kempes		

(21) EP12720249.7	(54) MEASURING APPARATUS	24.05.2012
(22) 05.04.2012	COMPRISING AN INTERFEROMETER	24.05.2012
(54) METHOD AND APPARATUS FOR	AND AN ABSORPTION MEDIUM	29.06.2012
LIQUEFYING A CO <sub>2</sub> -RICH GAS	DEFINING A DENSE LINE SPECTRUM	05.03.2013
(73) L'Air Liquide Société Anonyme pour	(73) Leica Geosystems AG	(33) United States of America
l'Etude et l'Exploitation des Procédés	(72) LÜTHI, Thomas	United States of America
Georges Claude	BÖCKEM, Burkhard	United States of America
(72) DEMOLLIENS, Bertrand	SALVADÉ, Yves	United States of America
LE BIHAN, Hervé	(74) ir. H.A. Witmans c.s.	United States of America
TRAVERSAC, Xavier	(31) 12166955	United States of America
(74) ir. M.F.J.M. Ketelaars c.s.	(32) 07.05.2012	(47) 06.05.2020
(31) 1153128	(33) European Patent Office (EPO)	(51) G01C 21/32
(32) 11.04.2011	(47) 03.06.2020	G09B 29/00
(33) France	(51) G01B 11/06	(11) EP1857780
(47) 17.06.2020	(11) EP2972070	(21) EP07251993.7
(51) F27B 13/02	(21) EP14719985.5	(22) 15.05.2007
(11) EP2502014	(22) 14.03.2014	(54) DUAL ROAD GEOMETRY
(21) EP10785014.1	(54) METHOD AND SYSTEM FOR REAL-	REPRESENTATION FOR POSITION
(22) 15.11.2010	TIME IN-PROCESS MEASUREMENT	AND CURVATURE-HEADING
(54) METHOD AND DEVICE FOR	OF COATING THICKNESS	(73) HERE Global B.V.
PRODUCING ANODES	(73) Sensory Analytics	(72) Dorum, Ole Henry
(73) Innovatherm Prof. Dr. Leisenberg GmbH	(72) KOMARAGIRI, Vivek	(74) dr. W.A.H.M. Van Borm
& Co. KG	FRISBY, Greg	(31) 434993
(72) DI LISA, Domenico	(74) J.M.H. Duyver lic.	(32) 16.05.2006
HEINKE, Frank	(31) 201361792689 P	(33) United States of America
KRIEG, Peter	(32) 15.03.2013	(47) 27.05.2020
MAIWALD, Detlef	(33) United States of America	(51) G01C 21/34
MNIKOLEISKI, Hans-Peter	(47) 27.05.2020	G01C 21/36
UHRIG, Wolfgang	(51) G01B 11/25	(11) EP3063501
(74) ir. H.A. Witmans c.s.	G01B 11/30	(21) EP14792797.4
(31) 102009046937	G01N 21/89	(22) 30.10.2014
(32) 20.11.2009	(11) EP2834594	(54) APPARATUS AND METHODS OF
(33) Germany	(21) EP13719426.2	DETERMINING PATHS THROUGH AN
(47) 29.04.2020	(22) 03.04.2013	ELECTRONIC MAP
(51) G01B 9/02	(54) METHOD AND DEVICE FOR	(73) TomTom Navigation B.V.
G01B 11/27	MEASURING THE FLATNESS OF A	(72) VAN DOK, Cornelis Klaas
G01J 3/44	METAL PRODUCT	SCHULTZ, Jeroen Razoux
G01N 21/47	(73) Primetals Technologies Austria GmbH	VAN DER VLIST, Bram Jan Jacobus
G03F 7/20	(72) DOREL, Laurent	GAWRILOW, Ewgenij
(11) EP3347701	(74) ir. M.F.J.M. Ketelaars c.s.	(74) J.M.H. Duyver lic.
(21) EP16844877.7	(31) 12290121	(31) 201361898468 P
(22) 18.08.2016	(32) 04.04.2012	(32) 31.10.2013
(54) NEW APPROACHES IN FIRST ORDER	(33) European Patent Office (EPO)	(33) United States of America
SCATTEROMETRY OVERLAY BASED	(47) 03.06.2020	(47) 01.07.2020
ON INTRODUCTION OF AUXILIARY	(51) G01B 11/25	(51) G01F 1/66
ELECTROMAGNETIC FIELDS	H04N 5/14	(11) EP2923183
(73) Kla-Tencor Corporation	G06T 7/00	(21) EP13792881.8
(72) LEVINSKI, Vladimir	G06T 7/521	(22) 12.11.2013
PASKOVER, Yuri	(11) EP2856076	(54) ULTRASONIC FLOW RATE
LUBASHEVSKY, Yuval	(21) EP13721831.9	MEASURING DEVICE
MANASSEN, Amnon	(22) 18.04.2013	(73) Endress+Hauser Flowtec AG
(74) ir. W.J.J.M. Kempes	(54) TRANSMISSION OF AFFINE-	(72) WIEST, Achim
(31) 201562215895 P	INVARIANT SPATIAL MASK FOR	BRUMBERG, Oliver
(32) 09.09.2015	ACTIVE DEPTH SENSING	(74) ir. W.J.J.M. Kempes
(33) United States of America	(73) Qualcomm Incorporated	(31) 102012111427
(47) 01.07.2020	(72) ATANASSOV, Kalin Mitkov	(32) 26.11.2012
(51) G01B 9/02	NASH, James Wilson	(33) Germany
G01S 7/481	RAMACHANDRA, Vikas	(47) 13.05.2020
G01S 7/497	GOMA, Sergiu Radu	(51) G01F 15/00
G01S 17/36	(74) ir. M.F.J.M. Ketelaars c.s.	G01F 15/06
G01S 17/42	(31) 201261651528 P	(11) EP3214416
G01S 17/66	201261651529 P	(21) EP16202379.0
G01S 7/491	201261651533 P	(22) 06.12.2016
G01S 17/10	201261651535 P	(54) FLOW METER, IN PARTICULAR FOR
(11) EP2847538	201261666405 P	CUSTODY TRANSFER
(21) EP13721688.3	201313785797	(73) Krohne Messtechnik GmbH
(22) 06.05.2013	(32) 24.05.2012	(72) Brockhaus, Helmut
	24.05.2012	(74) ir. W.J.J.M. Kempes



(31) 102016104013	(47) 03.06.2020	(72) ADJALI, Mustapha
(32) 04.03.2016	(51) G01M 3/20	JUSTON, Raphael
(33) Germany	G01N 1/22	CHAUDOREILLE, François
(47) 29.04.2020	(11) EP3397933	(74) ir. A.R. Aalbers
(51) G01G 19/387	(21) EP16816250.1	(31) 1557138
G01G 19/393	(22) 14.12.2016	(32) 27.07.2015
(11) EP3171141	(54) A TEST PROBE FOR A FILTER	(33) France
(21) EP15822444.4	(73) Camfil AB	(47) 06.05.2020
(22) 07.07.2015	(72) MAHLER, Axel	(51) G01N 33/50
(54) COMBINATION WEIGHING DEVICE	ADDINGTON, Richard	C12N 5/074
(73) Ishida Co., Ltd.	HEDLUND, Kenny	C12N 5/0793
(72) OTOSHI Hiroki	(31) 1551716	(11) EP2931879
IWASA Seisaku	(32) 28.12.2015	(21) EP13803067.1
(74) ir. J.C. Volmer c.s.	(33) Sweden	(22) 13.12.2013
(31) 2014148053	(47) 29.04.2020	(54) THREE DIMENSIONAL
(32) 18.07.2014	(51) G01N 3/46	HETEROGENEOUSLY
(33) Japan	(11) EP3548866	DIFFERENTIATED TISSUE CULTURE
(47) 27.05.2020	(21) EP17793955.0	(73) IMBA-Institut für Molekulare
(51) G01J 9/02	(22) 06.11.2017	Biotechnologie GmbH
G02B 26/06	(54) MEASURING SYSTEM, MEASURING	(72) KNOBLICH, Jürgen
G02B 27/00	ARRANGEMENT AND METHOD FOR	LANCASTER, Madeline A.
G02B 27/09	DETERMINING MEASURING SIGNALS	(74) ir. H.A. Witmans c.s.
G21K 1/00	DURING A PENETRATION MOVEMENT	(31) 12196954
(11) EP2756349	OF A PENETRATION BODY INTO A	(32) 13.12.2012
(21) EP12773354.1	SURFACE OF A TEST BODY	(33) European Patent Office (EPO)
(22) 13.09.2012	(73) Helmut Fischer GmbH Institut für	(47) 22.07.2020
(54) CONTROLLING LIGHT TRANSMISSION	Elektronik und Messtechnik	(51) G01N 33/574
THROUGH A MEDIUM	(72) FISCHER, Helmut	(11) EP3108256
(73) University Court of The University of St	(74) ir. H.J.G. Lips c.s.	(21) EP15748774.5
Andrews	(31) 102016123010	(22) 17.02.2015
(72) DHOLAKIA, Kishan	(32) 29.11.2016	(54) METHOD OF DETECTING CANCER
CIZMAR, Tomas	(33) Germany	(73) Sienna Cancer Diagnostics Ltd
(74) ir. H.A. Witmans c.s.	(47) 17.06.2020	(72) LALLA, Minesh
(31) 201115807	(51) G01N 15/14	TURATTI, Fabio
(32) 13.09.2011	G01N 21/00	WILSON, Sharyn
(33) United Kingdom	G01N 21/01	(74) ir. W.J.J.M. Kempes
(47) 06.05.2020	G01N 21/17	(31) 2014900494
(51) G01K 17/10	G01N 33/48	(32) 17.02.2014
(11) EP3584555	G01T 7/00	(33) Australia
(21) EP18178433.1	(11) EP3019850	(47) 24.06.2020
(22) 19.06.2018	(21) EP14823657.3	(51) G01N 33/574
(54) FLUX CALORIMETER	(22) 10.07.2014	(11) EP3229830
(73) Siemens Aktiengesellschaft	(54) PARTICLE SUSPENSIONS USED AS	(21) EP15816326.1
(72) Glöckle, Steffen	LOW-CONTRAST STANDARDS FOR	(22) 04.12.2015
Oßwald, Sven	INSPECTION OF LIQUIDS	(54) METHODS OF TREATING AND
Schmanau, Mike	(73) KLA-Tencor Corporation	PROGNOSING NONHEMATOPOIETIC
Wetzel, Martin	(72) KOLE, Francisco	MALIGNANT TUMORS
(74) ir. M.F.J.M. Ketelaars c.s.	CHRISTIAANSE, Johannes G.M.	(73) Memorial Sloan Kettering Cancer Center
(47) 27.05.2020	KIRK, Gregory L.	(72) NORTON, Larry
(51) G01L 1/22	CHOW, Winfred Tee	LEVINE, Ross
G01L 3/14	(74) ir. W.J.J.M. Kempes	KLEPPE, Maria
B62M 6/50	(31) 201361844662 P	COMEN, Elizabeth
(11) EP3263437	201414324872	(74) dr. A. Krebs
(21) EP17156610.2	(32) 10.07.2013	(31) 201462089148 P
(22) 17.02.2017	07.07.2014	(32) 08.12.2014
(54) STRAIN GAUGE SENSOR APPARATUS	(33) United States of America	(33) United States of America
AND ASSOCIATED INSTALLATION	United States of America	(47) 29.04.2020
METHOD	(47) 20.05.2020	(51) G01N 33/574
(73) Taiwan Hodaka Industrial Co., Ltd.	(51) G01N 33/28	G01N 33/68
Su Tai Inc.	G01N 21/3577	(11) EP3387898
(72) Jenn, Paul	(11) EP3329252	(21) EP18174068.9
(74) ir. G.J.M. Verhees	(21) EP16750657.5	(22) 10.03.2014
(31) 105120275	(22) 26.07.2016	(54) IDENTIFICATION AND
201615353890	(54) METHOD FOR ONLINE	MONITORING OF MONOCLONAL
(32) 28.06.2016	DETERMINATION OF A BASE NUMBER	IMMUNOGLOBULINS BY MOLECULAR
17.11.2016	OF A LIQUID BODY AND USE OF THIS	MASS
(33) Taiwan, Province of China	METHOD FOR A LUBRICANT	(73) Mayo Foundation for Medical Education
United States of America	(73) WIKA Tech S.A.S.	and Research

- (72) BARNIDGE, David R.  
MURRAY, David L.  
(74) ir. W.J.J.M. Kempes  
(31) 201361792944 P  
(32) 15.03.2013  
(33) United States of America  
(47) 13.05.2020
- 
- (51) G01R 19/252  
H03K 19/00  
G06F 1/3206  
G06F 1/3234  
G06F 1/324  
(11) EP3545317  
(21) EP17809083.3  
(22) 01.11.2017  
(54) APPARATUS AND METHOD FOR  
SENSING DISTRIBUTED LOAD  
CURRENTS PROVIDED BY POWER  
GATING CIRCUIT  
(73) Qualcomm Incorporated  
(72) ZHONG, Guoan  
ZHANG, Junmou  
CHEN, Nan  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201615358494  
(32) 22.11.2016  
(33) United States of America  
(47) 27.05.2020
- 
- (51) G01S 11/06  
G01S 11/10  
H04L 29/06  
H04W 12/08  
H04W 48/04  
H04W 4/02  
(11) EP2743726  
(21) EP12197138.6  
(22) 14.12.2012  
(54) Methods and systems for assessing trust  
in a mobile ad hoc network  
(73) Nederlandse Organisatie voor toegepast-  
natuurwetenschappelijk onderzoek TNO  
Koninklijke KPN N.V.  
(72) de Kievit, Sander  
Trichias, Konstantinos  
Van den Ende, Abraham  
de Jongh, Johannes  
(74) ir. W.J.J.M. Kempes  
(47) 13.05.2020
- 
- (51) G01T 1/20  
G01T 1/202  
G21K 4/00  
(11) EP3373308  
(21) EP16861832.0  
(22) 01.09.2016  
(54) RADIATION IMAGE CONVERSION  
PANEL, METHOD FOR PRODUCING  
RADIATION IMAGE CONVERSION  
PANEL, RADIATION IMAGE SENSOR,  
AND METHOD FOR PRODUCING  
RADIATION IMAGE SENSOR  
(73) Hamamatsu Photonics K.K.  
(72) SHIRAKAWA, Kazuhiro  
TOU, Akinori  
(74) ir. H.A. Witmans c.s.  
(31) 2015217793  
(32) 05.11.2015  
(33) Japan  
(47) 20.05.2020
- 
- (51) G01V 1/30  
G01V 1/34  
G01V 99/00  
(11) EP3488270  
(21) EP17731661.9  
(22) 25.04.2017  
(54) METHODS AND SYSTEMS FOR  
QUANTIFYING A CLATHRATE  
DEPOSIT  
(73) Chevron U.S.A. Inc.  
(72) MADOF, Andrew Stuart  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201615218920  
(32) 25.07.2016  
(33) United States of America  
(47) 27.05.2020
- 
- (51) G01V 1/40  
G01V 1/48  
(11) EP3224653  
(21) EP14824506.1  
(22) 28.11.2014  
(54) METHOD AND DEVICE FOR  
PROCESSING WELL DATA  
(73) Total SA  
(72) MASSONNAT, Gérard  
(74) J.M.H. Duyver lic.  
(47) 24.06.2020
- 
- (51) G01V 3/28  
(11) EP3458882  
(21) EP17716329.2  
(22) 02.03.2017  
(54) ANISOTROPY AND DIP ANGLE  
DETERMINATION USING  
ELECTROMAGNETIC (EM) IMPULSES  
FROM TILTED ANTENNAS  
(73) Saudi Arabian Oil Company  
(72) HAGIWARA, Teruhiko  
(74) ir. W.J.J.M. Kempes  
(31) 201615156984  
(32) 17.05.2016  
(33) United States of America  
(47) 06.05.2020
- 
- (51) G02B 5/20  
G02B 27/00  
G03F 7/20  
(11) EP3440512  
(21) EP17712995.4  
(22) 23.03.2017  
(54) ATTENUATION FILTER FOR  
PROJECTION LENS, PROJECTION  
LENS HAVING ATTENUATION FILTER  
FOR PROJECTION EXPOSURE  
APPARATUS, AND PROJECTION  
EXPOSURE APPARATUS HAVING  
PROJECTION LENS  
(73) Carl Zeiss SMT GmbH  
(72) GRUNER, Toralf  
SCHÖMER, Ricarda  
(74) ir. W.J.J.M. Kempes  
(31) 102016205619  
(32) 05.04.2016  
(33) Germany  
(47) 29.04.2020
- 
- (51) G02B 5/30  
G03B 11/00  
G03B 15/03  
G03B 17/14  
G06K 7/10  
(11) EP3537334  
(21) EP19154265.3  
(22) 29.01.2019  
(54) CAMERA  
(73) SICK AG  
(72) Pfrengle, Thomas  
Schneider, Florian, Dr.  
(31) 102018104906  
(32) 05.03.2018  
(33) Germany  
(47) 03.06.2020
- 
- (51) G02F 1/1333  
G02F 1/1335  
(11) EP3021161  
(21) EP15179760.2  
(22) 05.08.2015  
(54) CURVED LIQUID CRYSTAL  
DISPLAY DEVICE WITH INTERNAL  
POLARISERS  
(73) Samsung Display Co., Ltd.  
(72) Woo, Hwa Sung  
(74) drs. A.A. Jilderda  
(31) 20140156212  
(32) 11.11.2014  
(33) Korea (Republic)  
(47) 08.07.2020
- 
- (51) G02F 1/1333  
G02F 1/1335  
(11) EP3312664  
(21) EP17206123.6  
(22) 11.02.2013  
(54) DISPLAY DEVICE HELD BY A FILM  
(73) Saturn Licensing LLC  
(72) Hirasawa, Takeaki  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 2012056252  
(32) 13.03.2012  
(33) Japan  
(47) 17.06.2020
- 
- (51) G03B 17/02  
G03B 17/08  
H04N 5/225  
(11) EP3045969  
(21) EP15202908.8  
(22) 29.12.2015  
(54) CAMERA MODULE FOR VEHICLE  
COMPRISING A VENT HOLE CLOSED  
BY A MEMBRANE  
(73) LG Innotek Co., Ltd.  
(72) AHN, Jae Wook  
PARK, JE Kyung  
HWANG, Sun Min  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 20150007359  
(32) 15.01.2015  
(33) Korea (Republic)  
(47) 27.05.2020
- 
- (51) G03F 7/20  
B29C 64/135  
B29C 64/20  
B29C 67/00  
(11) EP2404220  
(21) EP10708397.4  
(22) 08.03.2010  
(54) ILLUMINATION SYSTEM FOR USE IN A  
STEREOLITHOGRAPHY APPARATUS  
(73) Nederlandse Organisatie voor toegepast-  
natuurwetenschappelijk onderzoek TNO

(72) JAMAR, Jacobus, Hubertus, Theodoor MAALDERINK, Herman, Hendrikus RIJFERS, Andries KRUIZINGA, Borgert KOOISTRA, Jentske, D. (74) ir. H.A. Witmans c.s. (31) 09154568 (32) 06.03.2009 (33) European Patent Office (EPO) (47) 29.04.2020	(73) HUAWEI TECHNOLOGIES CO., LTD. (72) BAI, Chunrong (74) ir. W.J.J.M. Kempes (47) 13.05.2020	(47) 27.05.2020
(51) G03F 7/20 G03F 7/24 H01J 37/20 (11) EP2583813 (21) EP11795621.9 (22) 08.06.2011 (54) ROLLER MOLD MANUFACTURING DEVICE AND MANUFACTURING METHOD (73) Asahi Kasei Kabushiki Kaisha (72) ITO, Naoto KITADA, Toshio KIGUCHIYA, Hidenari (74) J.M.H. Duyver lic. (31) 2010137226 (32) 16.06.2010 (33) Japan (47) 01.07.2020	(51) G05B 23/02 G07C 5/00 G07C 5/08 (11) EP2367155 (21) EP11158557.6 (22) 16.03.2011 (54) METHOD AND DEVICE FOR INSPECTING THE CONDITION OF A VEHICLE (73) FSD Fahrzeugsystemdaten GmbH (72) Pillau Dirk Heinzmann Jörg van Calker Jörg Bönninger Jürgen (74) ir. W.J.J.M. Kempes (31) 102010002930 102010030829 (32) 16.03.2010 01.07.2010 (33) Germany Germany (47) 06.05.2020	(51) G06F 3/048 G06F 3/0488 (11) EP2741189 (21) EP12877602.8 (22) 29.09.2012 (54) ELECTRONIC DEVICE AND METHOD FOR CONTROLLING ZOOMING OF DISPLAY OBJECT (73) Huawei Device Co., Ltd. (72) HUANG, Wen ZHANG, Jianchun (74) ir. W.J.J.M. Kempes (47) 20.05.2020
(51) G03F 7/20 H01L 21/02 H01L 21/027 G03F 1/82 (11) EP3377941 (21) EP16866881.2 (22) 10.11.2016 (54) APPARATUS FOR PHOTOMASK BACKSIDE CLEANING (73) Applied Materials, Inc. (72) RYE, Jason HANSON, Kyle Moran (74) ir. A. Blokland c.s. (31) 201514945319 (32) 18.11.2015 (33) United States of America (47) 24.06.2020	(51) G06F 1/08 G06F 3/06 G06F 5/06 G11C 7/10 G11C 7/22 G11C 11/40 G11C 11/4076 G11C 11/4096 G11C 29/02 (11) EP3399523 (21) EP18169715.2 (22) 03.03.2008 (54) METHOD AND APPARATUS FOR CALIBRATING WRITE TIMING IN A MEMORY SYSTEM (73) Rambus Inc. (72) GIOVANNINI, Thomas GUPTA, Alok SHAEFFER, Ian WOO, Steven C. (74) ir. H.A. Witmans c.s. (31) 16317 (32) 21.12.2007 (33) United States of America (47) 13.05.2020	(51) G06F 3/0481 G06F 3/0484 G06F 3/0488 (11) EP3190502 (21) EP15837833.1 (22) 24.07.2015 (54) ICON CONTROL METHOD AND CORRESPONDING TERMINAL (73) Huawei Technologies Co. Ltd. (72) SHAN, Zhenwei LIU, Zhu HUANG, Xi QIAN, Kai (74) ir. W.J.J.M. Kempes (31) 201410448877 (32) 04.09.2014 (33) China (47) 13.05.2020
(51) G03G 21/20 (11) EP2144124 (21) EP09164609.1 (22) 06.07.2009 (54) Image Forming Apparatus comprising a liquid-cooled cooling system. (73) Ricoh Company, Ltd. (72) Okano, Satoshi Hirasawa, Tomoyasu Nakamura, Hitoshi (74) ir. H.A. Witmans c.s. (31) 2008180377 (32) 10.07.2008 (33) Japan (47) 10.06.2020	(51) G06F 3/041 G06F 3/044 (11) EP3171259 (21) EP15821695.2 (22) 23.06.2015 (54) CURVED TOUCH PANEL AND DISPLAY DEVICE COMPRISING SAME (73) Samsung Electronics Co., Ltd. (72) PARK, Kyung-wan CHO, Shi-yun KANG, In-kwon LEE, Ga-eun JUNG, Ji-hyun (74) ir. M.F.J.M. Ketelaars c.s. (31) 20140089275 (32) 15.07.2014 (33) Korea (Republic)	(51) G06F 3/0481 G06F 3/0488 H04M 1/2745 (11) EP2927788 (21) EP15161826.1 (22) 31.03.2015 (54) ELECTRONIC DEVICE OF MESSAGING AND METHOD THEREOF (73) HTC Corporation (72) Shieh, Chia-Chia Wu, Yen-Shun Ou, Shih-Hsun Yang, Ting-An (74) ir. J.D. de Zeeuw (31) 201461972434 P 201514667696 (32) 31.03.2014 25.03.2015 (33) United States of America United States of America (47) 27.05.2020
(51) G05B 19/418 (11) EP3270245 (21) EP15893624.5 (22) 29.05.2015 (54) METHOD, SERVER, MOBILE TERMINAL AND APPARATUS FOR INTERACTING DATA WITH VEHICLE- MOUNTED MACHINE		(51) G06F 3/0488 G06F 21/31 G06F 21/32 (11) EP3364326 (21) EP16905916.9 (22) 25.06.2016 (54) METHOD AND APPARATUS FOR GENERATING PASSWORD BY MEANS OF PRESSURE TOUCH CONTROL (73) Huawei Technologies Co., Ltd. (72) WANG, Shoucheng (74) ir. W.J.J.M. Kempes (47) 13.05.2020
		(51) G06F 3/06

- (11) EP3036616  
(21) EP14781721.7  
(32) 11.09.2014  
(54) MANAGEMENT OF EXTENT  
BASED METADATA WITH DENSE  
TREE STRUCTURES WITHIN  
A DISTRIBUTED STORAGE  
ARCHITECTURE  
(73) NetApp, Inc.  
(72) ZHENG, Ling  
LEWIS, Blake H.  
PATEL, Kayuri H.  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201314027994  
(32) 16.09.2013  
(33) United States of America  
(47) 27.05.2020
- 
- (51) G06F 3/06  
G06F 11/14  
G06F 11/20  
G06F 16/11  
(11) EP2936352  
(21) EP13864504.9  
(22) 13.12.2013  
(54) FILTERED REFERENCE COPY OF  
SECONDARY STORAGE DATA IN A  
DATA STORAGE SYSTEM  
(73) Commvault Systems, Inc.  
(72) VARADHARAJAN, Prakash  
MUTHA, Manas, Bhikchand  
DHATRAK, Vinit, Dilip  
BEDADALA, Pavan, Kumar, Reddy  
KAPADIA, Hetal  
(74) ir. A. Blokland c.s.  
(31) 201261745208 P  
201313791018  
201313791043  
(32) 21.12.2012  
08.03.2013  
08.03.2013  
(33) United States of America  
United States of America  
United States of America  
(47) 06.05.2020
- 
- (51) G06F 3/12  
(11) EP3251000  
(21) EP16701136.0  
(22) 20.01.2016  
(54) METHOD AND FLAT BED PRINTER  
FOR PRINTING PRINT JOBS ON  
MEDIA PIECES ON THE FLAT BED OF  
THE FLAT BED PRINTER  
(73) Canon Production Printing Netherlands  
B.V.  
(72) LANGE, Martinus G. M.  
PERDAEN, Dominique M. L.  
WIND, Anne A.  
(74) ir. M.J. Groen  
(31) 15152798  
(32) 28.01.2015  
(33) European Patent Office (EPO)  
(47) 27.05.2020
- 
- (51) G06F 3/14  
G09G 3/00  
(11) EP2417518  
(21) EP10712662.5  
(22) 02.04.2010
- (54) METHODS AND SYSTEMS FOR  
PRIORITIZING DIRTY REGIONS  
WITHIN AN IMAGE  
(73) Citrix Systems, Inc.  
(72) RIVERA, Juan  
(74) ir. J.D. de Zeeuw  
(31) 167248 P  
(32) 07.04.2009  
(33) United States of America  
(47) 27.05.2020
- 
- (51) G06F 7/04  
H04L 29/06  
H04L 29/08  
(11) EP3164793  
(21) EP15814444.4  
(22) 26.06.2015  
(54) DUAL CHANNEL IDENTITY  
AUTHENTICATION  
(73) Alibaba Group Holding Limited  
(72) HUANG, Mian  
(74) ir. A. Blokland c.s.  
(31) 201410313308  
201514749952  
(32) 02.07.2014  
25.06.2015  
(33) China  
United States of America  
(47) 20.05.2020
- 
- (51) G06F 9/06  
G06F 9/30  
G06F 9/305  
G06F 9/38  
(11) EP3306466  
(21) EP17188371.3  
(22) 12.10.2011  
(54) AN INSTRUCTION SEQUENCE  
BUFFER TO STORE BRANCHES  
HAVING RELIABLY PREDICTABLE  
INSTRUCTION SEQUENCES  
(73) INTEL Corporation  
(72) Abdallah, Mohammad  
(74) ir. W.J.J.M. Kempes  
(31) 392392 P  
(32) 12.10.2010  
(33) United States of America  
(47) 13.05.2020
- 
- (51) G06F 9/30  
G06F 1/32  
(11) EP2894542  
(21) EP14186145.0  
(22) 24.09.2014  
(54) Estimating scalability of a workload  
(73) Intel Corporation  
(72) Ananthakrishnan, Avinash  
Gunther, Stephen  
Shrall, Jeremy J  
Schwartz, Jay D  
(74) ir. W.J.J.M. Kempes  
(31) 201314039151  
(32) 27.09.2013  
(33) United States of America  
(47) 13.05.2020
- 
- (51) G06F 9/30  
G06F 9/38  
(11) EP3234767  
(21) EP15870563.2  
(22) 16.11.2015
- (54) METHOD AND APPARATUS FOR  
IMPLEMENTING AND MAINTAINING  
A STACK OF PREDICATE VALUES  
WITH STACK SYNCHRONIZATION  
INSTRUCTIONS IN AN OUT OF  
ORDER HARDWARE SOFTWARE CO-  
DESIGNED PROCESSOR  
(73) Intel Corporation  
(72) COLLINS, Jamison D.  
IYER, Jayesh  
WINKEL, Sebastian  
XEKALAKIS, Polychronis  
CHEN, Howard H.  
BRAUCH, Rupert  
(74) ir. W.J.J.M. Kempes  
(31) 201414576915  
(32) 19.12.2014  
(33) United States of America  
(47) 13.05.2020
- 
- (51) G06F 9/30  
G06F 9/38  
(11) EP3238091  
(21) EP15873914.4  
(22) 16.11.2015  
(54) FAST VECTOR DYNAMIC MEMORY  
CONFLICT DETECTION  
(73) Intel Corporation  
(72) WANG, Cheng  
HARTONO, Albert  
BAGHSORKHI, Sara S.  
WU, Youfeng  
(74) ir. W.J.J.M. Kempes  
(31) 201414581996  
(32) 23.12.2014  
(33) United States of America  
(47) 13.05.2020
- 
- (51) G06F 9/48  
(11) EP2372548  
(21) EP11158011.4  
(22) 14.03.2011  
(54) Virtual machine monitor and scheduling  
method thereof  
(73) Samsung Electronics Co., Ltd.  
(72) Suh, Sang-Bum  
Ryu, Jae Min  
(74) drs. P.F.H.M. van Someren c.s.  
(31) 20100022495  
(32) 12.03.2010  
(33) Korea (Republic)  
(47) 06.05.2020
- 
- (51) G06F 9/48  
H04J 3/06  
H04W 56/00  
H04B 1/40  
(11) EP2979378  
(21) EP14715866.1  
(22) 27.03.2014  
(54) INTERFACE ARCHITECTURE  
BETWEEN DIGITAL SUB-UNIT AND  
RADIO SUB-UNIT  
(73) THALES  
(72) SABIANI, Jean-Julien  
VOILLEQUIN, Cyril  
(74) ir. H.A. Witmans c.s.  
(31) 1300710  
(32) 27.03.2013  
(33) France  
(47) 22.04.2020

- |   |   |   |
|---|---|---|
| <p>(51) G06F 9/50<br/>G06F 1/32<br/>G06F 1/3228<br/>G06F 1/3293<br/>(11) EP2674863<br/>(21) EP13165421.2<br/>(22) 25.04.2013<br/>(54) Multi-cluster processing system and method of operating the same<br/>(73) Samsung Electronics Co., Ltd<br/>(72) Ryu, Eui-Youl<br/>(74) ir. M.F.J.M. Ketelaars c.s.<br/>(31) 20120064450<br/>(32) 15.06.2012<br/>(33) Korea (Republic)<br/>(47) 27.05.2020<br/><hr/>(51) G06F 9/50<br/>G06F 8/41<br/>G06F 9/455<br/>(11) EP3126971<br/>(21) EP15713472.7<br/>(22) 30.03.2015<br/>(54) PROGRAM EXECUTION ON HETEROGENEOUS PLATFORM<br/>(73) Universiteit Gent<br/>IMEC vzw<br/>(72) GOOSSENS, Bart<br/>(74) ir. W.J.J.M. Kempes<br/>(31) 14162520<br/>(32) 30.03.2014<br/>(33) European Patent Office (EPO)<br/>(47) 29.04.2020<br/><hr/>(51) G06F 11/14<br/>(11) EP3451173<br/>(21) EP18190317.0<br/>(22) 22.08.2018<br/>(54) RESTORING A DATABASE USING A FULLY HYDRATED BACKUP<br/>(73) Cohesity, Inc.<br/>(72) CHAKANKAR, Abhijit<br/>SHEN, Warren<br/>SINGHAL, Manoj<br/>(74) dr. W.A.H.M. Van Borm<br/>(31) 201715693013<br/>PCT/US2018/045997<br/>(32) 31.08.2017<br/>09.08.2018<br/>(33) United States of America<br/>World Intellectual Property Office (WIPO)<br/>(47) 24.06.2020<br/><hr/>(51) G06F 11/16<br/>G06F 11/20<br/>(11) EP2637102<br/>(21) EP13152199.9<br/>(22) 22.01.2013<br/>(54) Cluster system with network node failover<br/>(73) NEC Corporation<br/>(72) Ohtake, Takamasa<br/>(74) ir. J.C. Volmer c.s.<br/>(31) 2012052640<br/>(32) 09.03.2012<br/>(33) Japan<br/>(47) 17.06.2020<br/><hr/>(51) G06F 16/21<br/>(11) EP2713288<br/>(21) EP13158973.1<br/>(22) 13.03.2013</p> | <p>(54) Foreign key identification in database management systems<br/>(73) Tata Consultancy Services Limited<br/>(72) Pejathaya, Karandas<br/>Talluri, Gopinath<br/>Bhide, Anand Shankar<br/>(74) ir. W.J.J.M. Kempes<br/>(31) 2811MU2012<br/>(32) 26.09.2012<br/>(33) India<br/>(47) 06.05.2020<br/><hr/>(51) G06F 16/2453<br/>G06F 16/28<br/>(11) EP3293641<br/>(21) EP16789273.6<br/>(22) 21.04.2016<br/>(54) DATA PROCESSING METHOD AND SYSTEM<br/>(73) Alibaba Group Holding Limited<br/>(72) HAN, Min<br/>(74) ir. W.J.J.M. Kempes<br/>(31) 201510222356<br/>(32) 04.05.2015<br/>(33) China<br/>(47) 17.06.2020<br/><hr/>(51) G06F 16/909<br/>G06F 16/9537<br/>(11) EP3436981<br/>(21) EP17716682.4<br/>(22) 22.03.2017<br/>(54) INKING INPUTS FOR DIGITAL MAPS<br/>(73) Microsoft Technology Licensing, LLC<br/>(72) TORRES, Silvana, Moncayo<br/>SETHI, Kshitij<br/>ANDREW, Felix<br/>MAERTENS, Katherine<br/>SMITH, Douglas<br/>(74) J.M.H. Duyver lic.<br/>(31) 201662314290 P<br/>201615181013<br/>(32) 28.03.2016<br/>13.06.2016<br/>(33) United States of America<br/>United States of America<br/>(47) 24.06.2020<br/><hr/>(51) G06F 21/62<br/>(11) EP3465523<br/>(21) EP16785298.7<br/>(22) 07.10.2016<br/>(54) SECURE COLLECTION OF SENSITIVE DATA<br/>(73) Charter Communications Operating, LLC<br/>(72) COPELAND, Rodney, Allen<br/>CARLSON, Jay, Eric<br/>HANRAHAN, Michael, David<br/>ALCOTT, Christopher, Scott<br/>(74) ir. M.F.J.M. Ketelaars c.s.<br/>(31) 201662342491 P<br/>201662342490 P<br/>(32) 27.05.2016<br/>27.05.2016<br/>(33) United States of America<br/>United States of America<br/>(47) 29.04.2020<br/><hr/>(51) G06F 21/62<br/>(11) EP3465524<br/>(21) EP16785299.5<br/>(22) 07.10.2016</p> | <p>(54) SECURE TRANSMISSION OF SENSITIVE DATA<br/>(73) Charter Communications Operating, LLC<br/>(72) CARLSON, Jay, Eric<br/>COPELAND, Rodney, Allen<br/>HANRAHAN, Michael, David<br/>ALCOTT, Christopher, Scott<br/>(74) ir. M.F.J.M. Ketelaars c.s.<br/>(31) 201662342491 P<br/>201662342490 P<br/>(32) 27.05.2016<br/>27.05.2016<br/>(33) United States of America<br/>United States of America<br/>(47) 06.05.2020<br/><hr/>(51) G06K 7/14<br/>(11) EP3531335<br/>(21) EP17865471.1<br/>(22) 17.10.2017<br/>(54) BARCODE IDENTIFICATION METHOD AND APPARATUS<br/>(73) Alibaba Group Holding Limited<br/>(72) LIU, Zhengbao<br/>(74) dr. W.A.H.M. Van Borm<br/>(31) 201610939696<br/>(32) 24.10.2016<br/>(33) China<br/>(47) 22.07.2020<br/><hr/>(51) G06K 9/00<br/>(11) EP3539054<br/>(21) EP19721236.8<br/>(22) 25.04.2019<br/>(54) NEURAL NETWORK IMAGE PROCESSING APPARATUS<br/>(73) FotoNation Limited<br/>(72) DUTU, Liviu<br/>MATHE, Stefan<br/>DUMITRU-GUZU, Madalin<br/>LEMLEY, Joseph<br/>(74) ir. J.C. Volmer c.s.<br/>(31) 201816005610<br/>(32) 11.06.2018<br/>(33) United States of America<br/>(47) 01.07.2020<br/><hr/>(51) G06N 3/00<br/>G06N 5/04<br/>(11) EP2296111<br/>(21) EP10175750.8<br/>(22) 08.09.2010<br/>(54) Controller with artificial intelligence based on selection from episodic memory and corresponding methods<br/>(73) Freed, Sam<br/>(72) Freed, Sam<br/>(74) dr. W.A.H.M. Van Borm<br/>(31) 241044 P<br/>(32) 10.09.2009<br/>(33) United States of America<br/>(47) 01.07.2020<br/><hr/>(51) G06Q 10/00<br/>G06Q 50/22<br/>G16H 20/60<br/>(11) EP2963612<br/>(21) EP13876421.2<br/>(22) 11.12.2013<br/>(54) INFORMATION PROCESSING DEVICE AND STORAGE MEDIUM<br/>(73) Sony Corporation</p> |
|---|---|---|

- (72) SAKO, Yoichiro  
HANAYA, Hiroyuki  
KAMADA, Yasunori  
KOGA, Yuki  
ONUMA, Tomoya  
TAKEHARA, Mitsuru  
NAKAMURA, Takatoshi  
HAYASHI, Kazunori  
KON, Takayasu  
TANGE, Akira  
(74) ir. W.J.J.M. Kempes  
(31) 2013039356  
(32) 28.02.2013  
(33) Japan  
(47) 24.06.2020  
(51) G06T 5/00  
G06T 5/40  
(11) EP3400575  
(21) EP16784812.6  
(22) 11.10.2016  
(54) INVENTION RELATING TO A METHOD  
FOR DIAPHRAGM ADJUSTMENT  
(73) Hochschule Rheinmain University  
of Applied Sciences Wiesbaden  
Rüsselsheim  
(72) CHRISTMANN, Mike  
LENZEN, Lucien  
(74) J.M.H. Duyver lic.  
(31) 102015119137  
(32) 06.11.2015  
(33) Germany  
(47) 06.05.2020  
(51) G06T 7/12  
(11) EP3195254  
(21) EP15742045.6  
(22) 28.07.2015  
(54) METHOD AND APPARATUS FOR  
DELINEATING AN OBJECT WITHIN A  
VOLUMETRIC MEDICAL IMAGE  
(73) Mirada Medical Limited  
(72) GOODING, Mark  
KADIR, Timor  
LARRUE, Aymeric  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201413721  
(32) 01.08.2014  
(33) United Kingdom  
(47) 27.05.2020  
(51) G06T 11/00  
(11) EP3462416  
(21) EP18193060.3  
(22) 06.09.2018  
(54) SYSTEMS AND METHODS FOR  
DEEP LEARNING-BASED IMAGE  
RECONSTRUCTION  
(73) General Electric Company  
(72) PALMA, Giovanni John Jacques  
IORDACHE, Razvan Gabriel  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201715720632  
(32) 29.09.2017  
(33) United States of America  
(47) 13.05.2020  
(51) G06T 11/00  
A61B 90/00  
(11) EP3338726  
(21) EP17209623.2  
(22) 21.12.2017
- (54) PULMONARY VEIN DISPLAY IN TWO  
DIMENSIONS  
(73) Biosense Webster (Israel) Ltd.  
(72) KATZ, Natan Sharon  
ZAR, Lior  
COHEN, Benjamin  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201615388029  
(32) 22.12.2016  
(33) United States of America  
(47) 27.05.2020  
(51) G06T 15/06  
G06T 15/60  
(11) EP3232405  
(21) EP15868468.8  
(22) 09.09.2015  
(54) IMAGE PROCESSING APPARATUS  
AND METHOD FOR PROCESSING  
IMAGES  
(73) Samsung Electronics Co., Ltd.  
(72) CHANG, Byung-joon  
KIM, Kyung-su  
ROH, Won-jun  
LEE, Jae-woong  
PARK, Chan-min  
LEE, Gun-ill  
CHO, In-sang  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 20140179338  
(32) 12.12.2014  
(33) Korea (Republic)  
(47) 06.05.2020  
(51) G06T 15/20  
H04N 5/335  
H04N 5/225  
(11) EP3304898  
(21) EP16800464.6  
(22) 27.04.2016  
(54) ADAPTABLE DEPTH SENSING  
SYSTEM  
(73) INTEL Corporation  
(72) HSIN, Chih-Fan  
KRISHNASWAMY, Prasanna  
(74) ir. W.J.J.M. Kempes  
(31) 201514722955  
(32) 27.05.2015  
(33) United States of America  
(47) 06.05.2020  
(51) G06T 19/00  
G02B 26/02  
G02B 27/01  
G09G 3/00  
G09G 3/20  
(11) EP3499292  
(21) EP19152824.9  
(22) 24.08.2011  
(54) OPACITY FILTER FOR SEE-  
THROUGH HEAD MOUNTED DISPLAY  
BACKGROUND  
(73) Telefonaktiebolaget LM Ericsson (publ)  
(72) BAR-ZEEB, Avi  
CROCCO, Bob  
KIPMAN, Alex Aben-Athar  
LEWIS, John  
(74) ir. A. Blokland c.s.  
(31) 88742610  
(32) 21.09.2010  
(33) United States of America
- (47) 29.04.2020  
(51) G07C 1/10  
G07C 5/00  
G07C 5/08  
(11) EP3206191  
(21) EP17000183.8  
(22) 07.02.2017  
(54) METHOD FOR DETERMINING AND  
RECORDING OF PERIODS OF REST  
OF A DRIVER OF A COMMERCIAL  
VEHICLE, IN PARTICULAR DURING  
AUTONOMOUS DRIVING  
(73) MAN Truck & Bus SE  
(72) Reimar, Braun  
(74) J.M.H. Duyver lic.  
(31) 102016001652  
(32) 12.02.2016  
(33) Germany  
(47) 01.07.2020  
(51) G07C 5/00  
G08G 1/017  
B60R 25/00  
(11) EP2713353  
(21) EP13186090.0  
(22) 26.09.2013  
(54) System and method for identifying a  
vehicle  
(73) I.CAR S.r.l.  
(72) Muriana, Roberto  
(74) drs. P.F.H.M. van Someren c.s.  
(31) BO20120534  
(32) 28.09.2012  
(33) Italy  
(47) 20.05.2020  
(51) G08B 17/103  
G08B 17/107  
(11) EP3295439  
(21) EP16796940.1  
(22) 09.05.2016  
(54) SMOKE DETECTOR CHAMBER  
ARCHITECTURE AND RELATED  
METHODS  
(73) Google LLC  
(72) SCHMIDT, Mathias  
MITTLEMAN, Adam  
GUPTA, Anurag  
KRAZ, Mark  
WEBB, Nicholas  
URRUTIA, Carlos  
GOLDENSON, Andrew  
(74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201514713770  
201514713975  
(32) 15.05.2015  
15.05.2015  
(33) United States of America  
United States of America  
(47) 06.05.2020  
(51) G08G 1/01  
(11) EP2834798  
(21) EP13719584.8  
(22) 29.03.2013  
(54) METHOD AND DEVICE FOR  
AUTOMATICALLY ACQUIRING AND  
MANAGING ROAD DISRUPTIONS  
(73) Coyote System  
(72) VAN LAETHEM, Jean-Marc  
PIERLOT, Fabien

(74) ir. W.J.J.M. Kempes (31) 1200984 (32) 03.04.2012 (33) France (47) 29.04.2020	(74) J.M.H. Duyver lic. (31) 201562212043 P (32) 31.08.2015 (33) United States of America (47) 08.07.2020	(21) EP14832475.9 (22) 19.03.2014 (54) METHOD FOR LONG-TERM STORAGE OF WASTE NUCLEAR FUEL (73) Joint Stock Company "Akme-Engineering" (72) TOSHINSKY, Georgiy Ilich (74) J.M.H. Duyver lic. (31) 2013135672 (32) 31.07.2013 (33) Russian Federation (47) 29.04.2020
(51) G09B 23/30 G09B 23/32 G09B 23/34 (11) EP3125215 (21) EP15768431.7 (22) 29.01.2015 (54) TECHNIQUE SIMULATOR (73) Terumo Kabushiki Kaisha (72) OZAKI, Kouji NAKAMURA, Yoshihiro (74) J.M.H. Duyver lic. (31) 2014065172 (32) 27.03.2014 (33) Japan (47) 08.07.2020	(51) G10L 15/22 (11) EP3396664 (21) EP18168559.5 (22) 20.04.2018 (54) ELECTRONIC DEVICE FOR PROVIDING SPEECH RECOGNITION SERVICE AND METHOD THEREOF (73) Samsung Electronics Co., Ltd. (72) PAN, Zhedan PARK, Sung Pa MATHEW NEYYAN, Biju KU, Han Jun (74) ir. M.F.J.M. Ketelaars c.s. (31) 20170052135 (32) 24.04.2017 (33) Korea (Republic) (47) 03.06.2020	(73) H01F 21/12 H01L 23/522 H01L 49/02 H03B 5/12 (11) EP3223309 (21) EP17167113.4 (22) 16.10.2013 (54) TRANSCEIVER, RECEIVER AND COMMUNICATION DEVICE WITH TUNABLE INDUCTOR ARRANGEMENT (73) Telefonaktiebolaget LM Ericsson (publ) (72) Mattsson, Thomas (74) ir. A. Blokland c.s. (47) 08.07.2020
(51) G09F 3/02 G09F 3/03 G09F 3/10 B42D 25/00 B42D 25/318 B42D 25/337 B42D 25/47 C09J 7/29 (11) EP2603911 (21) EP11757750.2 (22) 30.07.2011 (54) SECURITY LABEL OR ADHESIVE TAPE WITH EVIDENCE OF TAMPERING (73) Hueck Folien Gesellschaft m.b.H. (72) MAYRHOFER, Marco AIGNER, Georg (74) ir. J.C. Volmer c.s. (31) 13572010 (32) 13.08.2010 (33) Austria (47) 27.05.2020	(51) G10L 19/008 G10L 19/20 (11) EP3425633 (21) EP18182535.7 (22) 17.07.2014 (54) MULTI-CHANNEL AUDIO DECODER, MULTI-CHANNEL AUDIO ENCODER, METHODS AND COMPUTER PROGRAM USING A RESIDUAL-SIGNAL-BASED ADJUSTMENT OF A CONTRIBUTION OF A DECORRELATED SIGNAL (73) FRAUNHOFER-GESELLSCHAFT zur Förderung der angewandten Forschung e.V. (72) Dick, Sascha Helmrich, Christian Hilpert, Johannes Hölzer, Andreas (74) ir. F.A. Geurts c.s. (31) 13177375 13189309 (32) 22.07.2013 18.10.2013 (33) European Patent Office (EPO) European Patent Office (EPO) (47) 13.05.2020	(73) H01L 21/385 H01L 21/477 H01L 29/66 H01L 29/786 C09D 7/61 (11) EP3086360 (21) EP14871269.8 (22) 16.12.2014 (54) METHOD FOR PRODUCING SEMICONDUCTOR ELEMENT USING ALIPHATIC POLYCARBONATE (73) Japan Advanced Institute of Science and Technology Sumitomo Seika Chemicals Co., Ltd. (72) INOUE, Satoshi SHIMODA, Tatsuya FUJIMOTO, Nobutaka NISHIOKA, Kiyoshi KARASHIMA, Shuichi (74) J.M.H. Duyver lic. (31) 2013259031 (32) 16.12.2013 (33) Japan (47) 24.06.2020
(51) G09G 3/20 (11) EP3201905 (21) EP15787060.1 (22) 30.09.2015 (54) DISPLAYING CONTENT ON A DISPLAY IN POWER SAVE MODE (73) Microsoft Technology Licensing, LLC (72) PAANAJARVI, Jussi DEROSE, Pedro COLLIER, Adrian KANKAINEN, Mikko (74) J.M.H. Duyver lic. (31) 201462057604 P (32) 30.09.2014 (33) United States of America (47) 01.07.2020	(51) G16B 50/30 (11) EP2715584 (21) EP12726636.9 (22) 22.05.2012 (54) IMPROVEMENTS IN AND RELATING TO THE MATCHING OF FORENSIC RESULTS (73) Eurofins Forensic Services Limited (72) BARRON, Matthew LIVETT, Richard (74) dr. W.A.H.M. Van Borm (31) 201108587 (32) 23.05.2011 (33) United Kingdom (47) 24.06.2020	(73) H01L 21/66 (11) EP3087594 (21) EP14875032.6 (22) 23.12.2014 (54) MEASUREMENT OF MULTIPLE PATTERNING PARAMETERS (73) Kla-Tencor Corporation (72) SHCHEGROV, Andrei V. KRISHNAN, Shankar PTERLINZ, Kevin DZIURA, Thaddeus Gerard SAPIEN, Noam PANDEV, Stilian Ivanov (74) ir. W.J.J.M. Kempes (31) 201361920462 P 201414574021 (32) 23.12.2013 17.12.2014
(51) G09G 3/20 G09G 5/02 (11) EP3136375 (21) EP16185929.3 (22) 26.08.2016 (54) IMAGE DISPLAY APPARATUS (73) LG ELECTRONICS INC. (72) PARK, Kyeongryeol YANG, Jeonghyu KIM, Hansoo CHOI, Seungjong	(51) G21F 9/30 G21F 9/34 G21F 9/36 (11) EP3029685	

(33) United States of America United States of America (47) 29.04.2020	UEDA, Naoyuki NAKAMURA, Yuki MATSUMOTO, Shinji	H02J 7/00 H02J 7/35 (11) EP3247021
(51) H01L 23/473 H05K 7/20	SONE, Yuji SAOTOME, Ryoichi	(21) EP17155586.5 (22) 10.02.2017
(11) EP2488006 (21) EP12155190.7 (22) 13.02.2012	ARAE, Sadanori KUSAYANAGI, Minehide	(54) POWER DEVICE (73) Kabushiki Kaisha Toshiba (72) Higashide, Akira
(54) Temperature equalization apparatus jetting fluid for thermal conduction used in electrical equipment	(74) ir. H.A. Witmans c.s. (31) 2015151096 2016082264	(74) mr.ir. F.N. Ferro (31) 2016101039 2017017681
(73) Yang, Tai-Her (72) Yang, Tai-Her (74) J.M.H. Duyver lic. (31) 201113025337 (32) 11.02.2011	(32) 30.07.2015 15.04.2016 (33) Japan Japan (47) 10.06.2020	(32) 20.05.2016 02.02.2017 (33) Japan Japan
(33) United States of America (47) 10.06.2020	(51) H01L 29/861 H01L 29/88 H01L 31/028	(47) 24.06.2020 (51) H01M 10/46
(51) H01L 25/075 H01L 33/62	H01L 31/0328 H01L 31/0725	H02J 7/00 H04B 5/00 H04B 5/02
(11) EP3270413 (21) EP17181066.6 (22) 12.07.2017	(11) EP2745330 (21) EP12753571.4 (22) 14.08.2012	H02J 50/12 H02J 50/60 H02J 50/80
(54) DISPLAY APPARATUS AND METHOD OF MANUFACTURING THE SAME	(54) PHOTOVOLTAIC DEVICE (73) IQE Plc. (72) JOHNSON, Andrew NELSON, Andrew William HARPER, Robert Cameron	(11) EP3493363 (21) EP17833886.9 (22) 13.06.2017 (54) POWER-SUPPLYING DEVICE (73) Sony Semiconductor Solutions Corporation (72) KOZAKAI, Osamu NAKANO, Hiroaki MIYAMOTO, Takashi
(73) Samsung Display Co., Ltd. (72) CHO, Hyunmin KIM, Daehyun KIM, Sungchul KANG, Jonghyuk SONG, Keunkyu LEE, Jooyeol IM, Hyundeok CHO, Chio CHU, Hyeoyong HONG, Sungjin	(74) ir. M.F.J.M. Ketelaars c.s. (31) 201161528650 P (32) 29.08.2011 (33) United States of America (47) 03.06.2020	(74) ir. W.J.J.M. Kempes (31) 2016149322 (32) 29.07.2016 (33) Japan (47) 01.07.2020
(74) ir. H.A. Witmans c.s. (31) 20160088048 (32) 12.07.2016 (33) Korea (Republic) (47) 29.04.2020	(51) H01L 41/04 H01L 41/09 (11) EP3507841 (21) EP17757484.5 (22) 10.08.2017	(51) H01Q 1/12 H01Q 15/16 H01Q 19/13 H01Q 19/19 H01Q 23/00 (11) EP3340374 (21) EP18156517.7 (22) 04.04.2013
(51) H01L 27/11568 H01L 27/11578	(54) TRANSDUCER DEVICE (73) Robert Bosch GmbH (72) DENES, Istvan (74) ir. H.A. Witmans c.s. (31) 102016216365	(54) ANTENNA ASSEMBLY FOR LONG- RANGE HIGH-SPEED WIRELESS COMMUNICATION (73) Ubiquiti Inc. (72) JUDE, Lee HUERTA, Gerardo (74) ir. M.F.J.M. Ketelaars c.s. (31) 201261621396 P 201261621401 P 201313839473
(11) EP3116024 (21) EP16181656.6 (22) 14.06.2007	(32) 31.08.2016 (33) Germany (47) 17.06.2020	(32) 06.04.2012 06.04.2012 15.03.2013 (33) United States of America United States of America United States of America
(54) A STACKED NON-VOLATILE MEMORY DEVICE	(51) H01M 2/10 H01M 2/20 H01M 10/613 H01M 10/643 H01M 10/6555	(47) 27.05.2020 (51) H01Q 1/24 H04L 27/34 H04W 88/08 H04B 7/02 (11) EP2719138
(73) MACRONIX INTERNATIONAL CO., LTD. (72) Lai, Erth-Kun Lue, Hang-Ting Hsieh, Kuang-Yeu (74) J.M.H. Duyver lic. (31) 425959 (32) 22.06.2006	(11) EP3535788 (21) EP17771988.7 (22) 30.08.2017 (54) CIRCUIT BOARD FOR THE ELECTRICALLY FUSE-PROTECTED CONNECTION OF BATTERY CELLS AND BATTERY (73) E-Seven Systems Technology Management Ltd (72) KRÄMER, Thomas (74) ir. A. Blokland c.s. (31) 102016120838	
(33) United States of America (47) 24.06.2020	(32) 02.11.2016 (33) Germany (47) 29.04.2020	
(51) H01L 29/45 H01L 29/66 H01L 29/786	(51) H01M 10/44 H02H 9/00	
(11) EP3125296 (21) EP16181460.3 (22) 27.07.2016		
(54) FIELD-EFFECT TRANSISTOR, DISPLAY ELEMENT, IMAGE DISPLAY DEVICE, AND SYSTEM		
(73) Ricoh Company, Ltd. (72) ABE, Yukiko		



- (21) EP12733253.4  
(22) 11.06.2012  
(54) DISTRIBUTED ANTENNA SYSTEM INTERFACE FOR PROCESSING DIGITAL SIGNALS IN A STANDARDIZED FORMAT  
(73) CommScope Technologies LLC  
(72) KUMMETZ, Thomas  
RANSON, Christopher G.  
(74) ir. J.D. de Zeeuw  
(31) 201161495093 P  
(32) 09.06.2011  
(33) United States of America  
(47) 20.05.2020
- 
- (51) H01Q 15/00  
H05K 1/02  
H05K 1/03  
(11) EP3485535  
(21) EP17751030.2  
(22) 12.07.2017  
(54) COMPOSITE STRUCTURE HAVING RECONFIGURABLE DIELECTRIC CHARACTERISTICS AND ASSEMBLY COMPRISING SUCH A COMPOSITE STRUCTURE  
(73) Université de Rennes I  
Naval Group  
Centre National de la Recherche Scientifique  
(72) RUBRICE, Kevin  
CASTEL, Xavier  
HIMDI, Mohammed  
PARNEIX, Patrick  
(74) ir. A.R. Aalbers  
(31) 1601099  
(32) 13.07.2016  
(33) France  
(47) 13.05.2020
- 
- (51) H01R 4/02  
H01R 4/72  
H01R 43/02  
(11) EP3417513  
(21) EP17709357.2  
(22) 10.02.2017  
(54) METHOD AND DEVICE FOR SEALING CONTACT POINTS AT ELECTRICAL LINE CONNECTIONS  
(73) PKC Segu Systemelektrik GmbH  
(72) SCHNEIDER, Michael  
KONIETZKO, Sebastian  
(74) ir. A. Blokland c.s.  
(31) 102016102948  
(32) 19.02.2016  
(33) Germany  
(47) 13.05.2020
- 
- (51) H01R 9/24  
H01R 9/28  
H01R 13/447  
H02B 1/052  
H02B 1/056  
(11) EP3246995  
(21) EP16169977.2  
(22) 17.05.2016  
(54) BUSBAR SYSTEM  
(73) Wöhner GmbH & Co. KG  
Elektrotechnische Systeme  
(72) RAU, Maximilian  
STEINBERGER, Philipp
- (74) mr. ir. J. van Breda c.s.  
(47) 13.05.2020
- 
- (51) H01R 12/51  
H01R 4/48  
H01R 13/631  
H01R 43/16  
(11) EP3336968  
(21) EP17207561.6  
(22) 15.12.2017  
(54) WIRE CONNECTION TERMINAL STRUCTURE  
(73) Switchlab Inc.  
Switchlab (Shanghai) Co., Ltd.  
(72) WU, Chih-Yuan  
CHEN, Wei-Chi  
CHEN, Cheng-Wei  
(74) ir. G.J.M. Verhees  
(31) 105141987  
(32) 19.12.2016  
(33) Taiwan, Province of China  
(47) 06.05.2020
- 
- (51) H01S 3/067  
H01S 3/094  
H01S 3/16  
H01S 3/17  
H01S 3/30  
(11) EP2992575  
(21) EP14723408.2  
(22) 06.05.2014  
(72) OPTICAL FIBER AMPLIFIER  
(73) Atla Lasers AS  
(72) DVOYRIN, Vladislav Vladimirovich  
SOROKINA, Irina T.  
(74) J.M.H. Duyver lic.  
(31) 201308096  
201361819165 P  
(32) 03.05.2013  
03.05.2013  
(33) United Kingdom  
United States of America  
(47) 29.04.2020
- 
- (51) H01S 3/08  
H01S 3/081  
H01S 3/094  
H01S 3/11  
H01S 5/024  
H01S 5/04  
H01S 5/065  
H01S 5/14  
H01S 5/183  
(11) EP2831964  
(21) EP13719133.4  
(22) 27.03.2013  
(54) SELF MODE-LOCKING SEMICONDUCTOR DISK LASER  
(73) Solus Technologies Limited  
(72) HAMILTON, Craig James  
MALCOLM, Graeme Peter Alexander  
KORNASZEWSKI, Lukasz  
(74) mr. ir. J. van Breda c.s.  
(31) 201205587  
(32) 29.03.2012  
(33) United Kingdom  
(47) 29.04.2020
- 
- (51) H02G 1/06  
(11) EP3324501  
(21) EP17205845.5  
(22) 14.03.2014
- (54) ACTIVE COOLING OF CABLES WITH GASEOUS OR LIQUID COOLING MEDIA  
(73) Spiegel, Werner  
(72) Spiegel, Werner  
(74) J.M.H. Duyver lic.  
(31) 102013102631  
(32) 14.03.2013  
(33) Germany  
(47) 29.04.2020
- 
- (51) H02G 3/04  
(11) EP3114740  
(21) EP15733334.5  
(22) 04.03.2015  
(54) MULTIFUNCTIONAL APPARATUS  
(73) GFP Gesellschaft für Produktentwicklung und Produktivitätsplanung mbH  
(72) NOTHEIS, Alexander  
ROSS, Zoltan  
KEUSCH, Siegfried  
(74) ir. A. Blokland c.s.  
(31) 102014102865  
202014103136 U  
102014112910  
102014119631  
(32) 04.03.2014  
08.07.2014  
08.09.2014  
24.12.2014  
(33) Germany  
Germany  
Germany  
Germany  
(47) 10.06.2020
- 
- (51) H02H 1/00  
H02H 3/02  
H02H 7/06  
H02M 7/12  
H02P 9/10  
H02M 1/32  
(11) EP3271984  
(21) EP16710735.8  
(22) 17.03.2016  
(54) EXCITATION SYSTEM WITH A PROTECTION DEVICE AGAINST AN ARC FAULT  
(73) ABB Schweiz AG  
(72) KELLER, Tobias  
KNAPP, Wolfgang  
(74) ir. W.J.J.M. Kempes  
(31) 15159442  
(32) 17.03.2015  
(33) European Patent Office (EPO)  
(47) 06.05.2020
- 
- (51) H02H 3/02  
H02H 3/06  
(11) EP3078093  
(21) EP14806647.5  
(22) 04.12.2014  
(54) AUTOMATIC RECLOSING ALTERNATING CURRENT CIRCUIT BREAKER  
(73) Eaton Intelligent Power Limited  
(72) NIEHOFF, Ronaldus  
(74) J.M.H. Duyver lic.  
(31) 201321401  
(32) 04.12.2013  
(33) United Kingdom

(47) 20.05.2020	(33) United States of America	(21) EP09733358.7
(51) H02H 3/02	United States of America	(22) 14.04.2009
H02H 7/04	(47) 20.05.2020	(54) PHASE TO DIGITAL CONVERTER IN
(11) EP3493341	(51) H02K 21/04	ALL DIGITAL PHASE LOCKED LOOP
(21) EP18209813.7	H02K 51/00	(73) QUALCOMM Incorporated
(22) 03.12.2018	B60K 6/26	(72) ZHANG, Gang
(54) VOLTAGE TRANSFORMER	B60K 6/448	JAJOO, Abhishek
(73) Eaton Intelligent Power Limited	(11) EP2601733	HAN, Yiping
(72) SCHOONENBERG, Gerard Cornelis	(21) EP11751658.3	(74) ir. M.F.J.M. Ketelaars c.s.
MORSKIEFT, Elisabeth	(22) 25.07.2011	(31) 102768
(74) J.M.H. Duyver lic.	(54) ROTATING ELECTROMECHANICAL	(32) 14.04.2008
(31) 201720151	CONVERTER	(33) United States of America
(32) 04.12.2017	(73) Electric Variable Transmission B.V.	(47) 03.06.2020
(33) United Kingdom	(72) Hoeijmakers, Martin, Jacobus	(51) H03M 7/30
(47) 20.05.2020	(74) ir. H.A. Witmans c.s.	H03M 7/40
(51) H02J 7/00	(31) 1038151	G10L 19/00
H02J 7/02	(32) 05.08.2010	G10L 19/02
H02J 50/10	(33) Netherlands	G10L 19/20
H02J 50/12	(47) 03.06.2020	G10L 19/22
H02J 50/80	(51) H02K 21/14	(11) EP3471096
(11) EP2932579	H02P 9/02	(21) EP18209882.2
(21) EP13866087.3	H02P 9/48	(22) 10.10.2014
(22) 28.06.2013	H02P 25/22	(54) CODING OF SPECTRAL PEAK
(54) WIRELESS CHARGING SYSTEM	H02P 27/16	POSITIONS
(73) Intel Corporation	(11) EP2550730	(73) Telefonaktiebolaget LM Ericsson (publ)
(72) DOYLE, Brian S.	(21) EP11716325.3	(72) GRANCHAROV, Volodya
ALEKSOV, Aleksandar	(22) 23.03.2011	SVERRISSON, Sigurdur
MAHAJAN, Ravindranath V.	(54) VARIABLE ELECTRICAL GENERATOR	(74) ir. A. Blokland c.s.
(74) ir. W.J.J.M. Kempes	(73) DPM Technologies Inc.	(31) 201361892652 P
(31) 201213716376	(72) THORESEN, Kent	(32) 18.10.2013
(32) 17.12.2012	(74) ir. H.A. Witmans c.s.	(33) United States of America
(33) United States of America	(31) 20100443	(47) 27.05.2020
(47) 13.05.2020	(32) 23.03.2010	(51) H04B 1/10
(51) H02K 3/47	(33) Norway	H04B 7/08
H02K 5/08	(47) 22.04.2020	H04J 11/00
H02K 41/03	(51) H02M 1/00	H04L 25/03
(11) EP3422537	H02M 3/335	(11) EP2770653
(21) EP17178938.1	H02M 11/00	(21) EP13196138.5
(22) 30.06.2017	H02M 1/44	(22) 09.12.2013
(54) COIL ASSEMBLY AND HOUSING	(11) EP3373439	(54) Virtual reception diversity apparatus
MODULE SET FOR A COIL ASSEMBLY	(21) EP17854186.8	and method in wireless communication
OF AN ELECTRIC MOTOR	(22) 10.01.2017	system
(73) ETEL S.A.	(54) METHOD OF CONVERTING DIRECT	(73) Samsung Electronics Co., Ltd
(72) Goncalves, Jose	VOLTAGE INTO PULSE VOLTAGE	(72) Kim, Deok-Hwan
Gause, Alfred	(73) Closed-up Joint-Stock Company Drive	Kim, Min-Goo
Szczukiewicz, Sylwia	(72) ROMANOV, Yuriy Igorevich	Song, Seong-Wook
Bosco, Nicola	MALETSKIY, Stanislav Vladimirovich	(74) ir. M.F.J.M. Ketelaars c.s.
Herrmann, Boris	(74) ir. W.J.J.M. Kempes	(31) 20130018125
(74) ir. J.C. Volmer c.s.	(47) 13.05.2020	(32) 20.02.2013
(47) 20.05.2020	(51) H03F 1/02	(33) Korea (Republic)
(51) H02K 7/11	H03F 1/42	(47) 27.05.2020
H02K 16/02	H03F 1/56	(51) H04B 1/707
H02K 17/26	H03F 3/191	H04B 7/06
H02K 21/46	H03F 3/24	H04B 7/26
(11) EP3092704	H03F 3/60	H04J 11/00
(21) EP15735520.7	(11) EP3295561	H04B 7/04
(22) 08.01.2015	(21) EP15891990.2	H04B 7/0417
(54) HYBRID ELECTRIC MOTOR WITH	(22) 12.05.2015	H04B 7/0456
SELF ALIGNING PERMANENT	(54) COMPOSITE POWER AMPLIFIER	(11) EP3146651
MAGNET AND SQUIRREL CAGE	(73) Telefonaktiebolaget LM Ericsson (publ)	(21) EP15796141.8
ROTORS	(72) HELLBERG, Richard	(22) 21.05.2015
(73) Finkle, Louis	(74) ir. A. Blokland c.s.	(54) METHOD AND APPARATUS FOR
(72) Finkle, Louis	(47) 08.07.2020	GENERATING AND TRANSMITTING
(74) dr. A. Krebs	(51) H03L 7/085	CHANNEL FEEDBACK IN MOBILE
(31) 201414151333	H03L 7/089	COMMUNICATION SYSTEM
201414229673	H03L 7/197	EMPLOYING TWO DIMENSIONAL
(32) 09.01.2014	(11) EP2281344	ANTENNA ARRAY
28.03.2014		(73) Samsung Electronics Co., Ltd.

- (72) JI, Hyoungju  
KIM, Younsun  
LEE, Juho  
LEE, Hyojin  
KWAK, Youngwoo
- (74) ir. M.F.J.M. Ketelaars c.s.  
(31) 20140061906  
(32) 22.05.2014  
(33) Korea (Republic)  
(47) 01.07.2020
- 
- (51) H04B 7/024  
(11) EP2847880  
(21) EP13727417.1  
(22) 10.05.2013  
(54) METHOD AND APPARATUS FOR PERFORMING COORDINATED MULTIPOINT FEEDBACK UNDER MULTIPLE CHANNEL AND INTERFERENCE ASSUMPTIONS
- (73) Qualcomm Incorporated  
(72) GEIRHOFER, Stefan  
CHEN, Wanshi  
GAAL, Peter  
WEI, Yongbin
- (74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201261645827 P  
201313890608  
(32) 11.05.2012  
09.05.2013  
(33) United States of America  
United States of America  
(47) 27.05.2020
- 
- (51) H04B 7/06  
H04B 7/08  
H04B 7/04  
(11) EP3278468  
(21) EP16715421.0  
(22) 28.03.2016  
(54) RECIPROCITY DETECTION AND UTILIZATION TECHNIQUES FOR BEAMFORMING TRAINING
- (73) Intel IP Corporation  
(72) KASHER, Assaf  
HAREL, Tom  
KAVER, Yaniv  
TRAININ, Solomon
- (74) ir. W.J.J.M. Kempes  
(31) 201514672113  
(32) 28.03.2015  
(33) United States of America  
(47) 13.05.2020
- 
- (51) H04B 7/06  
H04L 1/00  
H04L 5/00  
H04L 25/02  
(11) EP2946518  
(21) EP14700785.0  
(22) 17.01.2014  
(54) METHOD AND APPARATUS FOR REPORTING CHANNEL STATE INFORMATION IN WIRELESS COMMUNICATION SYSTEM
- (73) Sony Corporation  
(72) WAKABAYASHI, Hideji  
(74) ir. W.J.J.M. Kempes  
(31) 201301039  
(32) 21.01.2013  
(33) United Kingdom
- (47) 01.07.2020
- 
- (51) H04B 7/26  
(11) EP3399668  
(21) EP18180500.3  
(22) 22.01.2013  
(54) IP MULTIMEDIA SUBSYSTEM AND METHOD FOR MBMS FILE REPAIR USING HTTP SERVERS
- (73) INTEL Corporation  
(72) OYMAN, Ozgur  
(74) ir. A.R. Aalbers  
(31) 201261589774 P  
201213613902  
(32) 23.01.2012  
13.09.2012  
(33) United States of America  
United States of America  
(47) 24.06.2020
- 
- (51) H04B 7/26  
H04J 11/00  
H04L 5/00  
(11) EP2555450  
(21) EP11759752.6  
(22) 25.03.2011  
(54) METHOD AND APPARATUS FOR ACTIVATING CARRIERS IN A MOBILE COMMUNICATION SYSTEM
- (73) Samsung Electronics Co., Ltd  
(72) KIM, Soeng Hun  
VAN LIESHOUT, Gert Jan  
JUNG, Jung Soo
- (74) ir. M.F.J.M. Ketelaars c.s.  
(31) 20100098797  
20100081229  
20100057364  
20100044386  
20100027293  
(32) 11.10.2010  
23.08.2010  
17.06.2010  
12.05.2010  
26.03.2010  
(33) Korea (Republic)  
Korea (Republic)  
Korea (Republic)  
Korea (Republic)  
Korea (Republic)
- 
- (47) 24.06.2020
- 
- (51) H04B 7/26  
H04J 11/00  
H04W 56/00  
(11) EP3451558  
(21) EP18202243.4  
(22) 05.04.2012  
(54) METHOD AND APPARATUS FOR MANAGING MULTIPLE TIMING ADVANCE GROUPS IN MOBILE COMMUNICATION SYSTEM SUPPORTING CARRIER AGGREGATION PRIORITY
- (73) Samsung Electronics Co., Ltd.  
(72) KIM, Sang Bum  
JEONG, Kyeong In
- (74) ir. M.F.J.M. Ketelaars c.s.  
(31) 201161471872 P  
(32) 05.04.2011  
(33) United States of America  
(47) 24.06.2020
- 
- (51) H04B 7/26  
H04L 5/00  
H04W 56/00  
H04W 72/00  
H04W 92/20  
(11) EP3175571  
(21) EP15750478.8  
(22) 29.07.2015  
(54) METHODS FOR ADAPTING OVER-THE-AIR SYNCHRONIZATION TO RADIO CONDITIONS
- (73) Telefonaktiebolaget LM Ericsson (publ)  
(72) CENTONZA, Angelo  
KOORAPATY, Havish  
(74) ir. A. Blokland c.s.  
(31) 201462030398 P  
(32) 29.07.2014  
(33) United States of America  
(47) 17.06.2020
- 
- (51) H04H 20/14  
H04H 60/56  
(11) EP2651052  
(21) EP13001543.1  
(22) 26.03.2013  
(54) Media monitoring using multiple types of signatures
- (73) The Nielsen Company (US), LLC  
(72) McMillan, Francis Gavin  
(74) drs. P.F.H.M. van Someren c.s.  
(31) 201213430342  
(32) 26.03.2012  
(33) United States of America  
(47) 06.05.2020
- 
- (51) H04J 3/06  
H04L 12/811  
H04L 12/841  
H04L 12/853  
H04L 12/927  
(11) EP3343851  
(21) EP16842387.9  
(22) 05.09.2016  
(54) METHOD AND DEVICE FOR REGULATING PLAYING DELAY
- (73) Samsung Electronics Co., Ltd.  
Industry-University Cooperation  
Foundation Hanyang University ERICA  
Campus
- (72) SUNG, Ho-sang  
KANG, Sang-won  
KIM, Jong-hyun  
OH, Eun-mi  
LI, Yaxing  
JUNG, Kyung-hun
- (74) drs. P.F.H.M. van Someren c.s.  
(31) 20150125875  
(32) 04.09.2015  
(33) Korea (Republic)  
(47) 20.05.2020
- 
- (51) H04J 11/00  
(11) EP3462648  
(21) EP18205309.0  
(22) 03.10.2014  
(54) NETWORK NODE, WIRELESS DEVICE, METHODS THEREIN, FOR SENDING AND DETECTING, RESPECTIVELY, SYNCHRONIZATION SIGNAL AND AN ASSOCIATED INFORMATION
- (73) Telefonaktiebolaget LM Ericsson (publ)

(72) FRENNE, Mattias FURUSKOG, Johan GERSTENBERGER, Dirk	20110097409 20120001774 (32) 11.01.2011	H04W 72/12 (11) EP3562247 (21) EP19180932.6
(74) ir. M.F.J.M. Ketelaars c.s. (31) 201361909752 P (32) 27.11.2013	27.09.2011 06.01.2012 (33) United States of America	(22) 24.03.2017 (54) RADIO-NETWORK NODE, WIRELESS DEVICE AND METHODS PERFORMED THEREIN
(33) United States of America (47) 27.05.2020	Korea (Republic) Korea (Republic)	(73) Telefonaktiebolaget LM Ericsson (publ)
(51) H04J 11/00	(47) 24.06.2020	(72) ANDERSSON, Håkan
H04W 74/00	(51) H04L 1/00	ZHANG, Qiang
H04W 88/06	H04L 27/26	FRENNE, Mattias
H04W 4/00	(11) EP3117549	FURUSKOG, Johan
(11) EP2774393	(21) EP15762363.8	BERGSTRÖM, Andreas
(21) EP12845739.7	(22) 16.03.2015	HESSLER, Martin
(22) 25.10.2012	(54) METHOD AND APPARATUS FOR ENCODING AND DECODING PACKET	WIBERG, Niclas
(54) ACCESS PROCEDURES FOR IN-DEVICE COEXISTENCE INTERFERENCE AVOIDANCE	(73) Samsung Electronics Co., Ltd.	(74) ir. A. Blokland c.s.
(73) BlackBerry Limited	(72) PARK, Chang Soon	(31) 201662319316 P
(72) KOO, Changhoi LI, Jun CAI, Zhijun	HONG, Young Jun KIM, Young Soo HWANG, Hyo Sun	(32) 07.04.2016 (33) United States of America (47) 27.05.2020
(74) dr. W.A.H.M. Van Borm	(74) ir. M.F.J.M. Ketelaars c.s.	(51) H04L 5/00
(31) 201113289695	(31) 20140030435	H04L 5/06
(32) 04.11.2011	20150030298	H04L 27/26
(33) United States of America	(32) 14.03.2014	H04W 84/12
(47) 08.07.2020	04.03.2015	(11) EP3522439
(51) H04L 1/00	(33) Korea (Republic)	(21) EP19163701.6
H04L 5/00	Korea (Republic)	(22) 26.01.2016
H04L 27/26	(47) 27.05.2020	(54) SYSTEM AND METHOD FOR COMMUNICATING AN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXED FRAME FORMAT
H04W 72/12	(51) H04L 1/00	(73) Huawei Technologies Co., Ltd.
H04W 84/12	H04W 28/02	(72) SUH, Jung Hoon
H04W 88/08	H04L 12/801	ABOUL-MAGD, Osama
(11) EP3206326	(11) EP3398276	(74) ir. W.J.J.M. Kempes
(21) EP15849604.2	(21) EP16882458.9	(31) 201562107936 P
(22) 06.10.2015	(22) 23.12.2016	(32) 26.01.2015
(54) METHOD AND APPARATUS FOR TRANSMITTING DATA ON RESOURCE UNITS INCLUDING PILOT TONES IN WLAN	(54) ADAPTIVE PEER OVERLOAD CONTROL IN MOBILE NETWORKS	(33) United States of America (47) 13.05.2020
(73) LG Electronics Inc.	(73) AFFIRMED NETWORKS, INC.	(51) H04L 5/00
(72) CHOI, Jinsoo CHO, Hangyu LEE, Wookbong	(72) LOGAN, James, J. LIBBY, Mark VELDANDA, Narsi PALAKKAL, Rajesh BHOJNAGARWALA, Siddharth	H04L 5/14 H04W 28/06 H04W 52/14 H04W 52/16 H04W 52/24 H04W 52/34 H04W 52/36
(74) J.M.H. Duyver lic. (31) 201462060018 P 201462063931 P	(74) dr. A. Krebs (31) 201562273734 P (32) 31.12.2015 (33) United States of America (47) 01.07.2020	(11) EP3289813 (21) EP16715771.8 (22) 31.03.2016 (54) LOW LATENCY UPLINK POWER CONTROL
(32) 06.10.2014 14.10.2014	(51) H04L 1/00	(73) Qualcomm Incorporated
(33) United States of America United States of America	H04W 74/00 H04W 74/08	(72) PATEL, Shimman Arvind CHEN, Wanshi GAAL, Peter XU, Hao WANG, Michael Mao
(47) 06.05.2020	(11) EP3402103	(74) ir. M.F.J.M. Ketelaars c.s.
(51) H04L 1/00	(21) EP18177956.2	(31) 201562155976 P
H04L 5/00	(22) 05.03.2009	201615085844
H04W 74/08	(54) RADIO COMMUNICATION SYSTEM, COMMUNICATION APPARATUS, RADIO COMMUNICATION NETWORK SYSTEM AND METHOD THEREFOR	(32) 01.05.2015 30.03.2016 (33) United States of America United States of America (47) 03.06.2020
(11) EP2664211	(73) NEC Corporation	(51) H04L 5/00
(21) EP12733923.2	(72) Futaki, Hisashi Lee, Jinsock Hamabe, Kojiro	H04W 16/14
(22) 09.01.2012	(74) ir. J.C. Volmer c.s.	
(54) RANDOM ACCESS METHOD AND TERMINAL	(31) 2008057726 (32) 07.03.2008 (33) Japan (47) 20.05.2020	
(73) Samsung Electronics Co., Ltd	(47) 20.05.2020	
(72) KIM, Soeng Hun NG, Boon Loong VAN LIESHOUT, Gert-Jan JEONG, Kyeong In CHO, Joon Young	(51) H04L 1/18	
(74) ir. M.F.J.M. Ketelaars c.s. (31) 201161431635 P		

H04W 72/04	(22) 19.05.2017	H04L 9/14
H04W 72/08	(54) METHODS AND APPARATUS FOR	H04L 9/32
H04W 76/15	MANAGING INTERFERENCE ACROSS	H04L 29/06
(11) EP3229547	OPERATORS	H04W 12/04
(21) EP17172750.6	(73) Qualcomm Incorporated	G06Q 20/02
(22) 21.05.2015	(72) MUKKAVILLI, Krishna Kiran	G06Q 20/04
(54) TELECOMMUNICATIONS APPARATUS	BHUSHAN, Naga	G06Q 20/06
AND METHODS	(74) ir. M.F.J.M. Ketelaars c.s.	G06Q 20/36
(73) Sony Corporation	(31) 201662359609 P	G06Q 20/38
(72) MARTIN, Brian Alexander	201715479211	G06F 21/64
KOULAKIOTIS, Dimitris	(32) 07.07.2016	(11) EP3555796
KAHTAVA, Jussi Tapani	04.04.2017	(21) EP18710609.1
BERGGREN, Anders	(33) United States of America	(22) 23.02.2018
LJUNG, Rickard	United States of America	(54) KEY ESTABLISHMENT AND DATA
KARLSSON, Peter C.	(47) 03.06.2020	SENDING METHOD AND APPARATUS
NORD, Lars	(51) H04L 7/04	(73) Alibaba Group Holding Limited
(74) ir. W.J.J.M. Kempes	(11) EP2371081	(72) LI, Yi
(31) 14171284	(21) EP09830973.5	(74) ir. W.J.J.M. Kempes
(32) 05.06.2014	(22) 01.12.2009	(31) 201710102824
(33) European Patent Office (EPO)	(54) CLOCK PRIORITY CHAIN LEVEL	(32) 24.02.2017
(47) 24.06.2020	SYSTEMS AND METHODS	(33) China
(51) H04L 5/00	(73) CommScope Technologies LLC	(47) 27.05.2020
H04W 28/20	(72) HEDIN, John M.	(51) H04L 9/08
H04W 72/04	STUART, Steven B.	H04L 9/32
(11) EP3504827	FORLAND, Jody	(11) EP3476078
(21) EP17757633.7	(74) ir. J.D. de Zeeuw	(21) EP17745505.2
(22) 11.08.2017	(31) 326372	(22) 28.06.2017
(54) DETERMINATION OF CONTROL	(32) 02.12.2008	(54) SYSTEMS AND METHODS FOR
CHANNEL BANDWIDTH AND	(33) United States of America	AUTHENTICATING COMMUNICATIONS
LOCATION	(47) 20.05.2020	USING A SINGLE MESSAGE
(73) QUALCOMM Incorporated	(51) H04L 9/06	EXCHANGE AND SYMMETRIC KEY
(72) CHEN, Wanshi	H04L 9/08	(73) Verimatrix GmbH
YANG, Yang	H04L 9/12	(72) BARTH, Ingo
ANG, Peter	H04L 9/32	(74) drs. C.H. Mink-Lindenburg
LI, Chong	(11) EP3533172	(31) 201662355727 P
LY, Hung	(21) EP18755557.8	(32) 28.06.2016
(74) ir. M.F.J.M. Ketelaars c.s.	(22) 25.07.2018	(33) United States of America
(31) 201662380319 P	(54) SYSTEM FOR SECURE	(47) 27.05.2020
201715490851	AUTHENTICATION OF A USER'S	(51) H04L 9/08
(32) 26.08.2016	IDENTITY IN AN ELECTRONIC	H04L 9/32
18.04.2017	SYSTEM FOR BANKING	H04L 29/06
(33) United States of America	TRANSACTIONS	H04W 12/06
United States of America	(73) Krupteia Srl	(11) EP3219132
(47) 27.05.2020	(72) CAPUZZELLO, Alessandro	(21) EP15859522.3
(51) H04L 5/00	(74) J.M.H. Duyver lic.	(22) 14.10.2015
H04W 72/04	(31) 201700087233	(54) USER AUTHENTICATION
(11) EP2728957	(32) 28.07.2017	CONFIDENCE BASED ON MULTIPLE
(21) EP12823589.2	(33) Italy	DEVICES
(22) 04.05.2012	(47) 13.05.2020	(73) Intel Corporation
(54) CONTROL CHANNEL RESOURCE	(51) H04L 9/08	(72) DURHAM, Lenitra M.
ALLOCATION METHOD AND DEVICE	H04L 9/14	VEMBAR, Deepak S.
(73) Huawei Technologies Co., Ltd.	H04L 9/32	WEAST, John C.
(72) TANG, Zhenfei	(11) EP3314811	BOOTH, Cory J.
GONG, Zhengwei	(21) EP16814982.1	(74) ir. W.J.J.M. Kempes
(74) ir. W.J.J.M. Kempes	(22) 26.05.2016	(31) 201414536900
(31) 201110233093	(54) KEYED-HASH MESSAGE	(32) 10.11.2014
201210002032	AUTHENTICATION CODE	(33) United States of America
(32) 15.08.2011	PROCESSORS, METHODS, SYSTEMS,	(47) 13.05.2020
05.01.2012	AND INSTRUCTIONS	(51) H04L 12/14
(33) China	(73) Intel Corporation	H04L 29/12
China	(72) GOPAL, Vinodh	H04M 15/00
(47) 13.05.2020	BRANDT, Jason W.	H04W 36/14
(51) H04L 5/14	(74) ir. W.J.J.M. Kempes	H04W 40/20
H04W 16/14	(31) 201514751881	H04W 4/24
H04W 16/32	(32) 26.06.2015	(11) EP2415286
H04W 72/04	(33) United States of America	(21) EP10759119.0
(11) EP3482580	(47) 13.05.2020	(22) 25.03.2010
(21) EP17727780.3	(51) H04L 9/08	

(54) A SYSTEM AND METHOD OPERABLE TO ENABLE SHORTEST CONNECTION ROUTE	NEELEY, Matthew G. (74) ir. M.F.J.M. Ketelaars c.s. (31) 201462061593 P	(22) 22.12.2015 (54) IMS EMERGENCY CALL ROUTING TECHNIQUES
(73) Synapse International S.A.	201414588086	(73) Intel IP Corporation
(72) BERGQVIST, Per	201514665913	(72) STOJANOVSKI, Alexandre Saso
WILLEHADSON, Stefan	(32) 08.10.2014	JOLY, Frederic
(74) ir. M.F.J.M. Ketelaars c.s.	31.12.2014	PARRON, Jerome
(31) 0950211	23.03.2015	(74) ir. A.R. Aalbers
(32) 01.04.2009	(33) United States of America	(31) 201562202634 P
(33) Sweden	United States of America	(32) 07.08.2015
(47) 13.05.2020	United States of America	(33) United States of America
(51) H04L 12/18	(47) 27.05.2020	(47) 17.06.2020
H04L 12/46	(51) H04L 12/28	(51) H04L 29/06
H04L 12/721	H04M 3/38	H04L 12/805
H04L 12/753	H04M 3/42	H04L 12/811
H04L 12/761	H04M 11/00	H04L 12/825
(11) EP2783480	(11) EP2820832	(11) EP3169026
(21) EP12787621.7	(21) EP13711313.0	(21) EP15819284.9
(22) 05.11.2012	(22) 27.02.2013	(22) 07.07.2015
(54) METHOD FOR MULTICAST FLOW ROUTING SELECTION	(54) INITIATING A COMMUNICATION USING A WIRELESS SECURITY KEY DEVICE	(54) METHOD AND APPARATUS FOR SENDING MULTIMEDIA DATA
(73) Huawei Technologies Co., Ltd.	(73) Lax, Alexander	(73) Samsung Electronics Co., Ltd.
(72) MACK-CRANE, T. Benjamin	Fischer, Frank	(72) JUNG, Kyung-hun
ASHWOOD-SMITH, Peter	(72) Lax, Alexander	OH, Eun-mi
(74) dr. W.A.H.M. Van Borm	Fischer, Frank	JEONG, Jong-hoon
(31) 201161555992 P	(74) ir. M.F.J.M. Ketelaars c.s.	HWANG, Seon-ho
201213648151	(31) 201203319	(74) drs. P.F.H.M. van Someren c.s.
(32) 04.11.2011	(32) 27.02.2012	(31) 20140085369
09.10.2012	(33) United Kingdom	20150081982
(33) United States of America	(47) 29.04.2020	(32) 08.07.2014
United States of America	(51) H04L 12/58	10.06.2015
(47) 15.07.2020	(11) EP2839609	(33) Korea (Republic)
(51) H04L 12/24	(21) EP13720650.4	Korea (Republic)
H04L 12/58	(22) 18.04.2013	(47) 06.05.2020
H04L 29/06	(54) AUTHENTICATION OF SERVICE REQUESTS	(51) H04L 29/06
H04L 29/08	(73) Liveperson Inc.	H04L 29/08
H04M 3/42	(72) BARAK, Matan	(11) EP3275160
H04L 12/875	LEWIS, Todd	(21) EP16773677.6
H04L 12/911	MULHEARN, Justin, Robert	(22) 26.02.2016
(11) EP3306866	(74) ir. M.F.J.M. Ketelaars c.s.	(54) TECHNOLOGIES FOR A SEAMLESS DATA STREAMING EXPERIENCE
(21) EP16799171.0	(31) 201261625984 P	(73) Intel Corporation
(22) 22.04.2016	201313829708	(72) RIDER, Tomer
(54) MESSAGE PROCESSING METHOD, DEVICE AND SYSTEM	(32) 18.04.2012	TATOURIAN, Igor
(73) Alibaba Group Holding Limited	14.03.2013	(74) ir. W.J.J.M. Kempes
(72) HUANG, Mengjun	(33) United States of America	(31) 201514670952
(74) ir. W.J.J.M. Kempes	United States of America	(32) 27.03.2015
(31) 201510268806	(47) 06.05.2020	(33) United States of America
(32) 25.05.2015	(51) H04L 12/58	(47) 13.05.2020
(33) China	H04M 1/725	(51) H04L 29/06
(47) 03.06.2020	G06F 3/0488	H04L 29/08
(51) H04L 12/28	(11) EP3393090	G06F 21/31
(11) EP3205055	(21) EP16874815.0	(11) EP3319293
(21) EP15787751.5	(22) 13.12.2016	(21) EP16817194.0
(22) 06.10.2015	(54) INSTANT MESSAGING APPARATUS AND METHOD	(22) 23.06.2016
(54) TIME VARIANT DATA PROFILE FOR A FABRIC NETWORK	(73) Zhejiang Geely Holding Group Co., Ltd. Zhejiang Geely Automobile Research Institute Co., Ltd.	(54) CROSS-TERMINAL LOGIN-FREE METHOD AND DEVICE
(73) Google LLC	(72) LI, Shufu	(73) Alibaba Group Holding Limited
Gujjaru, Sunny Vardhan	(74) ir. W.J.J.M. Kempes	(72) FANG, Tengfei
Dixon, Michael	(31) 201510940310	(74) dr. W.A.H.M. Van Borm
Lu, Jiakang	(32) 15.12.2015	(31) 201510383179
Smith, Zach B.	(33) China	(32) 02.07.2015
(72) GUJJARU, Sunny Vardhan	(47) 06.05.2020	(33) China
DIXON, Michael	(51) H04L 29/06	(47) 27.05.2020
LU, Jiakang	(11) EP3332525	(51) H04L 29/06
SMITH, Zach B.	(21) EP15826251.9	H04L 29/08
LOGUE, Jay D.		H04L 29/12
ERICKSON, Grant M.		(11) EP3264720

(21) EP17180579.9	VADIVEL, Padmanaban	(47) 29.04.2020
(22) 17.05.2012	(74) drs. P.F.H.M. van Someren c.s.	(51) H04N 5/00
(54) USING DNS COMMUNICATIONS TO FILTER DOMAIN NAMES	(31) 2733MU2015	G06K 7/10
(73) Palo Alto Networks, Inc.	(32) 20.07.2015	G06Q 10/00
(72) XIE, Huagang	(33) India	G06F 9/44
(74) ir. A. Blokland c.s.	(47) 29.04.2020	G06F 16/93
(31) 201113115050	(51) H04L 29/06	(11) EP2105832
(32) 24.05.2011	H04W 12/06	(21) EP09155633.2
(33) United States of America	H04W 12/12	(22) 19.03.2009
(47) 08.07.2020	G06F 21/57	(54) Process scheme for an indicia reader
(51) H04L 29/06	(11) EP3306512	(73) Hand Held Products, Inc.
H04L 29/12	(21) EP16802418.0	(72) Meier, Timothy P.
(11) EP3515034	(22) 28.04.2016	Longacre, Andrew, Jr.
(21) EP18152157.6	(54) ACCOUNT THEFT RISK	Pomerleau, Aron C.
(22) 17.01.2018	IDENTIFICATION METHOD,	Hawley, Thomas P.
(54) METHOD, DEVICES, COMPUTER- READABLE MEDIA AND SYSTEMS FOR ESTABLISHING CERTIFIED CONNECTIONS WITH END DEVICES IN A LOCAL AREA NETWORK	IDENTIFICATION APPARATUS, AND PREVENTION AND CONTROL SYSTEM	Deloge, Stephen P.
(73) ise Individuelle Software und Elektronik GmbH	(73) Alibaba Group Holding Limited	(74) ir. W.J.J.M. Kempes
(72) Sahm, Christoph	(72) TAN, Chunping	(31) 79373
(74) ir. M.F.J.M. Ketelaars c.s.	(74) ir. W.J.J.M. Kempes	(32) 26.03.2008
(47) 13.05.2020	(31) 201510289825	(33) United States of America
(51) H04L 29/06	(32) 29.05.2015	(47) 06.05.2020
H04R 25/00	(33) China	(51) H04N 5/217
H04W 8/00	(47) 03.06.2020	G06T 5/00
H04W 12/06	(51) H04L 29/08	G06T 5/50
G06F 21/35	G06F 9/451	G06T 7/20
H04W 4/02	(11) EP3399721	(11) EP3352133
G07C 9/00	(21) EP16880972.1	(21) EP18150464.8
(11) EP2760225	(22) 16.12.2016	(22) 05.01.2018
(21) EP14152572.5	(54) INTERFACE DATA DISPLAYING METHOD AND DEVICE	(54) AN EFFICIENT PATCH-BASED METHOD FOR VIDEO DENOISING
(22) 25.01.2014	(73) Alibaba Group Holding Limited	(73) Sony Corporation
(54) Location based assistance using hearing instruments	(72) HE, Sanyuan	(72) Dong, Xiaogang
(73) Starkey Laboratories, Inc.	RAO, Junxue	(74) ir. W.J.J.M. Kempes
(72) Wang, Libin	WANG, Fei	(31) 201715410978
Flood, Stephen Paul	WENG, Yuedong	(32) 20.01.2017
Solum, Jeffrey Paul	ZHU, Deliang	(33) United States of America
(74) dr. W.A.H.M. Van Borm	SUN, Xi	(47) 01.07.2020
(31) 201313752203	WEN, Xuelong	(51) H04N 5/225
(32) 28.01.2013	XU, Wenting	H04N 5/232
(33) United States of America	CHEN, Rui	(11) EP2955910
(47) 20.05.2020	XI, Jiangbo	(21) EP15167867.9
(51) H04L 29/06	DENG, Xufeng	(22) 15.05.2015
H04W 12/02	(74) dr. W.A.H.M. Van Borm	(54) CAMERA MODULE AND VEHICLE COMPONENT INCLUDING THE SAME
H04W 12/04	(31) 201511021196	(73) LG Innotek Co., Ltd.
H04W 12/06	(32) 30.12.2015	(72) Yeo, Jae Young
G06Q 10/10	(33) China	(74) ir. M.F.J.M. Ketelaars c.s.
G06F 21/31	(47) 01.07.2020	(31) 20140069128
G06F 21/43	(51) H04L 29/08	(32) 09.06.2014
G06F 21/62	G06F 16/95	(33) Korea (Republic)
H04W 4/02	(11) EP3456029	(47) 03.06.2020
H04W 4/021	(21) EP17722062.1	(51) H04N 7/167
(11) EP3122017	(22) 12.05.2017	H04N 21/266
(21) EP16157606.1	(54) NETWORK NODE AND METHOD OF RECEIVING AN HTTP-MESSAGE	H04N 21/426
(22) 26.02.2016	(73) Koninklijke KPN N.V.	H04N 21/442
(54) SYSTEMS AND METHODS OF AUTHENTICATING AND CONTROLLING ACCESS OVER CUSTOMER DATA	Nederlandse Organisatie voor toegepast- natuurwetenschappelijk onderzoek TNO	H04L 9/08
(73) Tata Consultancy Services Limited	(72) GILL, Amritpal Singh	(11) EP2201711
(72) SINGH, Harbhajan Mohan	D'ACUNTO, Lucia	(21) EP08839309.5
YAYASEKAR, Mani	TRICHIAS, Konstantinos	(22) 09.09.2008
PONNAN, Sureshbabu	VAN BRANDENBURG, Ray	(54) METHOD FOR DETECTION OF A HACKED DECODER
	CRAMER, Eelco	(73) Sony Corporation
	(74) ir. W.J.J.M. Kempes	Sony Electronics, Inc.
	(31) 16169624	(72) CANDELORE, Brant, L.
	(32) 13.05.2016	(74) ir. W.J.J.M. Kempes
	(33) European Patent Office (EPO)	(31) 999137 P
		126123 P
		195660

(32) 15.10.2007	H04N 19/11	H04N 19/177
01.05.2008	H04N 19/117	H04N 19/179
21.08.2008	H04N 19/157	H04N 19/192
(33) United States of America	H04N 19/176	H04N 19/31
United States of America	H04N 19/182	H04N 19/33
United States of America	H04N 19/593	H04N 19/587
(47) 24.06.2020	H04N 19/61	H04N 19/87
(51) H04N 7/173	H04N 19/70	(11) EP2368367
H04N 21/488	H04N 19/91	(21) EP09796697.2
H04N 5/278	(11) EP2942956	(22) 16.12.2009
H04N 9/87	(21) EP15001467.8	(54) INTERACTIVE SYSTEM AND METHOD
(11) EP2677738	(22) 20.04.2012	FOR TRANSMITTING KEY IMAGES
(21) EP12747245.4	(54) IMAGE DECODING APPARATUS	SELECTED FROM A VIDEO STREAM
(22) 08.02.2012	(73) INNATIVE LTD	OVER A LOW BANDWIDTH NETWORK
(54) DISPLAY CONTROL METHOD, RECORDING MEDIUM, AND DISPLAY CONTROL DEVICE	(72) Park, Shin Ji	(73) THALES
(73) Saturn Licensing LLC	(74) ir. J.C. Volmer c.s.	(72) CAPMAN, François
(72) UCHIMURA, Kouichi	(31) 20110108452	RENAN, Erwann
(74) ir. M.F.J.M. Ketelaars c.s.	(32) 24.10.2011	LE BARZ, Cédric
(31) 2011029408	(33) Korea (Republic)	(74) ir. H.A. Witmans c.s.
(32) 15.02.2011	(47) 03.06.2020	(31) 0807407
(33) Japan	(51) H04N 19/105	(32) 23.12.2008
(47) 24.06.2020	H04N 19/11	(33) France
(51) H04N 13/178	H04N 19/117	(47) 22.04.2020
H04N 13/20	H04N 19/157	(51) H04N 19/13
(11) EP3456041	H04N 19/176	H04N 19/159
(21) EP17726551.9	H04N 19/182	H04N 19/18
(22) 09.05.2017	H04N 19/593	H04N 19/593
(54) 3D MULTI-APERTURE IMAGING DEVICES, MULTI-APERTURE IMAGING DEVICE, METHOD FOR PROVIDING AN OUTPUT SIGNAL OF A 3D MULTI- APERTURE IMAGING DEVICE, AND METHOD FOR DETECTING A TOTAL FIELD OF VIEW	H04N 19/61	H04N 19/91
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	H04N 19/70	(11) EP2946552
(72) WIPPERMANN, Frank	H04N 19/91	(21) EP13871597.4
BRÜCKNER, Andreas	(11) EP2945376	(22) 16.01.2013
BRÄUER, Andreas	(21) EP15001465.2	(54) CONTEXT DETERMINATION FOR
(74) ir. F.A. Geurts c.s.	(22) 20.04.2012	ENTROPY CODING OF RUN- LENGTH ENCODED TRANSFORM COEFFICIENTS
(31) 102016208210	(54) IMAGE DECODING APPARATUS	(73) BlackBerry Limited
(32) 12.05.2016	(73) INNATIVE LTD	(72) HE, Dake
(33) Germany	(72) Park, Shin Ji	Ji, Tianying
(47) 29.04.2020	(74) ir. J.C. Volmer c.s.	WANG, Jing
(51) H04N 19/105	(31) 20110108452	WANG, Xiaofeng
H04N 19/11	(32) 24.10.2011	(74) ir. F.E. Hoeben
H04N 19/117	(33) Korea (Republic)	(47) 21.03.2018
H04N 19/157	(47) 03.06.2020	(51) H04N 21/2343
H04N 19/176	(51) H04N 19/105	H04N 21/4402
H04N 19/182	H04N 19/11	H04N 21/6587
H04N 19/593	H04N 19/117	(11) EP2735166
H04N 19/61	H04N 19/157	(21) EP12759221.0
H04N 19/70	H04N 19/176	(22) 20.07.2012
H04N 19/91	H04N 19/182	(54) TRANSMISSION OF
(11) EP2942954	H04N 19/593	RECONSTRUCTION DATA IN A TIERED SIGNAL QUALITY HIERARCHY
(21) EP15001468.6	H04N 19/61	(73) V-NOVA INTERNATIONAL LTD
(22) 20.04.2012	H04N 19/70	(72) ROSSATO, Luca
(54) IMAGE DECODING APPARATUS	H04N 19/91	MEARDI, Guido
(73) INNATIVE LTD	(11) EP2945381	(74) ir. M.F.J.M. Ketelaars c.s.
(72) Park, Shin Ji	(21) EP15001466.0	(31) 201113188237
(74) ir. J.C. Volmer c.s.	(22) 20.04.2012	(32) 21.07.2011
(31) 20110108452	(54) IMAGE DECODING APPARATUS	(33) United States of America
(32) 24.10.2011	(73) INNATIVE LTD	(47) 06.05.2020
(33) Korea (Republic)	(72) Park, Shin Ji	(51) H04N 21/24
(47) 03.06.2020	(74) ir. J.C. Volmer c.s.	H04W 72/12
(51) H04N 19/105	(31) 20110108452	(11) EP3005813
H04N 19/114	(32) 24.10.2011	(21) EP14807787.8
H04N 19/132	(33) Korea (Republic)	(22) 05.06.2014
H04N 19/14	(47) 03.06.2020	(54) BUFFER-AWARE RADIO RESOURCE MANAGEMENT
H04N 19/142	(51) H04N 19/107	(73) Intel Corporation
H04N 19/172	H04N 19/114	(72) RAMAMURTHI, Vishwanath



OYMAN, Ozgur	(21) EP17787040.9	(47) 13.05.2020
(74) ir. W.J.J.M. Kempes	(22) 21.09.2017	(51) H04W 4/14
(31) 201361832644 P	(54) LOUDSPEAKER UNIT WITH MULTIPLE	H04W 4/70
201314141940	DRIVE UNITS	(11) EP2642776
(32) 07.06.2013	(73) Mayht B.V.	(21) EP13160619.6
27.12.2013	(72) SCHEEK, Mattias Jeffrey	(22) 22.03.2013
(33) United States of America	SCHEEK, Timothy Ruben	(54) Method, Communication Module,
United States of America	(74) ir. M.F.J.M. Ketelaars c.s.	Message Service Server and System for
(47) 13.05.2020	(31) 2017514	handling of an external device
(51) H04N 21/41	(32) 22.09.2016	(73) Vodafone GmbH
H04N 21/4363	(33) Netherlands	Vodafone Libertel B.V.
H04N 21/45	(47) 17.06.2020	(72) Boylan, Cornelius
H04N 21/81	(51) H04W 4/06	Rodermund, Friedhelm
(11) EP3439311	H04W 8/00	Lammerts van Bueren, Jeffrey
(21) EP18187075.9	H04W 88/02	(74) J.M.H. Duyver lic.
(22) 02.08.2018	(11) EP2505028	(31) 102012102543
(54) IMAGE TRANSMISSION EQUIPMENT	(21) EP09774864.4	(32) 23.03.2012
(73) Delta Electronics, Inc.	(22) 27.11.2009	(33) Germany
(72) LIN, Botao	(54) DEVICE-TO-DEVICE COMMUNICATION	(47) 06.05.2020
LIN, Cho-Cheng	(73) Nokia Solutions and Networks Oy	(51) H04W 8/08
HUANG, Ya-Ting	(72) VAN PHAN, Vinh	H04W 36/32
SHIH, Wei-Chi	YU, Ling	(11) EP2833657
(74) ir. A.R. Aalbers	HORNEMAN, Kari Veikko	(21) EP13768392.6
(31) 201762540073 P	AUMANN, Ottmar	(22) 26.03.2013
201711338285	(74) dr. W.A.H.M. Van Borm	(54) METHOD AND DEVICE FOR
(32) 02.08.2017	(47) 08.07.2020	PRESERVING MOBILITY
14.12.2017	(51) H04W 4/08	INFORMATION IN TERMINAL STATE
(33) United States of America	H04W 4/80	TRANSITION AND EFFECTIVELY RE-
China	H04W 76/14	ACCESSING IN HETEROGENEOUS
(47) 03.06.2020	H04W 76/40	CELL NETWORK IN MOBILE
(51) H04N 21/472	(11) EP3047696	COMMUNICATION SYSTEM
H04N 5/76	(21) EP14771550.2	(73) Samsung Electronics Co., Ltd.
H04N 5/765	(22) 18.09.2014	(72) KIM, Woo Seong
H04N 9/82	(54) DEVICE-TO-DEVICE COMMUNICATION	KIM, Seong Hun
(11) EP2860968	AMONG WIRELESS COMMUNICATION	KIM, Sang Bum
(21) EP13804985.3	DEVICES USING GROUP ID AND	(74) ir. M.F.J.M. Ketelaars c.s.
(22) 24.04.2013	APPLICATION ID	(31) 201261615856 P
(54) INFORMATION PROCESSING	(73) Telefonaktiebolaget LM Ericsson (publ)	(32) 26.03.2012
DEVICE, INFORMATION PROCESSING	(72) TOTH, Stefan	(33) United States of America
METHOD, AND PROGRAM	RYDNELL, Gunnar	(47) 01.07.2020
(73) Sony Corporation	GUSTAFSSON, Roland	(51) H04W 16/14
(72) HANAI, Yuya	(74) ir. A. Blokland c.s.	(11) EP3198915
(74) ir. W.J.J.M. Kempes	(31) 201361879342 P	(21) EP15757063.1
(31) 2012133321	(32) 18.09.2013	(22) 13.08.2015
(32) 12.06.2012	(33) United States of America	(54) LICENSED SHARED ACCESS
(33) Japan	(47) 20.05.2020	SPECTRUM ALLOCATION
(47) 24.06.2020	(51) H04W 4/08	(73) INTEL Corporation
(51) H04R 5/033	H04W 8/18	(72) VANNITHAMBY, Rath
H04S 7/00	H04W 8/24	RASHID, Mohammad Mamunur
(11) EP3370442	H04W 12/00	(74) ir. W.J.J.M. Kempes
(21) EP18159777.4	H04W 12/06	(31) 201414497416
(22) 02.03.2018	H04W 60/04	(32) 26.09.2014
(54) HEARING DEVICE INCORPORATING	H04W 84/12	(33) United States of America
USER INTERACTIVE AUDITORY	H04W 4/40	(47) 13.05.2020
DISPLAY	H04W 4/46	(51) H04W 16/14
(73) Starkey Laboratories, Inc.	H04W 76/14	H04W 72/12
(72) HELWANI, Karim	(11) EP3314959	H04W 88/06
ZHANG, Tao	(21) EP15896592.1	(11) EP2553959
CARLILE, Simon	(22) 22.12.2015	(21) EP11713598.8
(74) dr. W.A.H.M. Van Borm	(54) REGISTRATION FOR WIRELESS	(22) 30.03.2011
(31) 201715447735	VEHICULAR COMMUNICATIONS	(54) MITIGATION OF COEXISTENCE
(32) 02.03.2017	(73) INTEL Corporation	ISSUES IN MULTI-RADIO
(33) United States of America	(72) CAVALCANTI, Dave	COMMUNICATION
(47) 13.05.2020	PINHEIRO, Ana Lucia	(73) QUALCOMM Incorporated
(51) H04R 9/02	(74) ir. W.J.J.M. Kempes	(72) DAYAL, Pranav
H04R 9/04	(31) 201562184707 P	KADOUS, Tamer Adel
H04R 9/06	(32) 25.06.2015	MANTRAVADI, Ashok
(11) EP3516885	(33) United States of America	WANG, Jibing

<p>PRAKASH, Rajat (74) ir. M.F.J.M. Ketelaars c.s. (31) 904509 389637 P 356973 P 319324 P (32) 14.10.2010 04.10.2010 21.06.2010 31.03.2010 (33) United States of America United States of America United States of America United States of America (47) 27.05.2020</p> <hr/> <p>(51) H04W 24/00 H04W 28/02 H04W 28/12 H04W 76/10 (11) EP2638766 (21) EP11781835.1 (22) 27.10.2011 (54) MOBILE COMMUNICATIONS DEVICE AND METHOD (73) SCA IPLA Holdings Inc. (72) ZAKRZEWSKI, Robert (74) ir. W.J.J.M. Kempes (31) 201018848 (32) 08.11.2010 (33) United Kingdom (47) 01.07.2020</p> <hr/> <p>(51) H04W 24/02 H04W 74/08 (11) EP3117646 (21) EP14885223.9 (22) 11.03.2014 (54) APPARATUS AND METHOD OF SIMULTANEOUS WIRELESS TRANSMISSIONS (73) Intel IP Corporation (72) HUANG, Po-Kai STACEY, Robert J. (74) ir. W.J.J.M. Kempes (47) 13.05.2020</p> <hr/> <p>(51) H04W 36/00 H04L 12/801 (11) EP3442181 (21) EP18188541.9 (22) 10.08.2018 (54) DEVICE AND METHOD OF HANDLING A HANDOVER (73) HTC Corporation (72) WU, Chih-Hsiang (74) ir. M.F.J.M. Ketelaars c.s. (31) 201762543998 P 201762566328 P (32) 11.08.2017 30.09.2017 (33) United States of America United States of America (47) 03.06.2020</p> <hr/> <p>(51) H04W 36/00 H04W 36/04 H04W 36/28 (11) EP3220685 (21) EP17163328.2 (22) 15.07.2013</p>	<p>(54) BASE STATIONS AND METHODS FOR HANDLING OVER A SUB-SET OF BEARERS TO ENABLE MULTIPLE CONNECTIVITY OF A TERMINAL TOWARDS SEVERAL BASE STATIONS (73) Telefonaktiebolaget LM Ericsson (publ) (72) TEYEB, Oumer WAGER, Stefan JOHANSSON, Niklas GUNNARSSON, Fredrik WALLENTIN, Pontus CENTONZA, Angelo (74) ir. M.F.J.M. Ketelaars c.s. (31) 201261678772 P (32) 02.08.2012 (33) United States of America (47) 27.05.2020</p> <hr/> <p>(51) H04W 36/00 H04W 36/14 H04W 48/18 H04W 88/06 H04W 76/14 (11) EP3442272 (21) EP16899892.0 (22) 29.04.2016 (54) CONVERSATION SWITCHING METHOD, TERMINAL DEVICE AND STORAGE MEDIUM (73) Huawei Technologies Co., Ltd. (72) WANG, Zaishang CHEN, Lei SU, Junfeng (74) ir. W.J.J.M. Kempes (47) 13.05.2020</p> <hr/> <p>(51) H04W 48/02 H04W 88/02 H04W 88/08 (11) EP3403443 (21) EP17701968.4 (22) 12.01.2017 (54) NARROW-BAND INTERNET-OF- THINGS ACCESS CONTROL MECHANISMS AND METHODS (73) Intel Corporation (72) MARTINEZ TARRADELL, Marta CHOI, Hyung-Nam BURBIDGE, Richard, C. PALAT, Sudeep, K. LIM, Seau, S. (74) ir. A.R. Aalbers (31) 201662277866 P (32) 12.01.2016 (33) United States of America (47) 13.05.2020</p> <hr/> <p>(51) H04W 48/10 (11) EP3328128 (21) EP18150588.4 (22) 09.05.2016 (54) DEVICE AND METHOD OF RECEIVING SYSTEM INFORMATION (73) HTC Corporation (72) Wu, Chih-Hsiang (74) ir. J.D. de Zeeuw (31) 201562158555 P (32) 08.05.2015 (33) United States of America (47) 27.05.2020</p> <hr/> <p>(51) H04W 48/12</p>	<p>H04W 56/00 H04W 72/04 H04W 4/70 (11) EP3175667 (21) EP15827164.3 (22) 19.06.2015 (54) APPARATUS AND METHOD FOR MTC COEXISTENCE (73) Intel IP Corporation (72) XIONG, Gang CHATTERJEE, Debdeep HAN, Seunghee FWU, Jong-Kae (74) ir. W.J.J.M. Kempes (31) 201462031054 P 201514667430 (32) 30.07.2014 24.03.2015 (33) United States of America United States of America (47) 13.05.2020</p> <hr/> <p>(51) H04W 52/02 G06F 1/3206 G06F 1/324 G06F 1/3296 (11) EP2981873 (21) EP14724901.5 (22) 02.04.2014 (54) DYNAMIC VOLTAGE AND FREQUENCY SCALING IN WIRELESS MODEMS (73) Qualcomm Incorporated (72) HOMCHAUDHURI, Sandip DUNCAN, Joseph ZHANG, Xiaoru LEE, Meelan JAYARAMAN, Arunkumar LIN, Derrick, Chu MEHTA, Srenik (74) ir. M.F.J.M. Ketelaars c.s. (31) 201361809257 P 201313954035 (32) 05.04.2013 30.07.2013 (33) United States of America United States of America (47) 27.05.2020</p> <hr/> <p>(51) H04W 52/14 H04W 72/04 H04W 72/12 (11) EP3552440 (21) EP18778765.0 (22) 07.09.2018 (54) TRANSMISSION POWER CONTROL METHOD AND APPARATUS (73) Ofinno, LLC (72) ZHOU, Hua DINAN, Esmael PARK, Kyungmin JEON, Hyoungsuk BABAEI, Alireza (74) ir. W.J.J.M. Kempes (31) 201762555359 P 201762555366 P 201762564626 P (32) 07.09.2017 07.09.2017 28.09.2017 (33) United States of America</p>
---	---	---

United States of America United States of America (47) 13.05.2020	(54) Apparatus and method for supporting high-order multiple-user multiple-input multiple-output operation for wireless communication systems
(51) H04W 72/02	(73) Samsung Electronics Co., Ltd
H04W 74/00	(72) NG, Boon-Loong
(11) EP3550923	SAYANA, Krishna
(21) EP19176142.8	ZHANG, Jianzhong
(22) 25.03.2014	NAM, Young-Han
(54) ENHANCED PRACH PREAMBLE FORMAT	(74) ir. M.F.J.M. Ketelaars c.s.
(73) Telefonaktiebolaget LM Ericsson (publ)	(31) 201261620318 P
(72) ANDERSSON, Håkan	201261668877 P
SAHLIN, Henrik	201313841791
FURUSKOG, Johan	(32) 04.04.2012
NAUCLÉR, Peter	06.07.2012
BALDEMAIR, Robert	15.03.2013
PARKVALL, Stefan	(33) United States of America
(74) ir. A. Blokland c.s.	United States of America
(47) 08.07.2020	United States of America
(51) H04W 72/04	(47) 24.06.2020
(11) EP3340714	(51) H04W 74/08
(21) EP15903819.9	(11) EP3530062
(22) 15.09.2015	(21) EP18774141.8
(54) METHOD AND APPARATUS FOR SENDING OR RECEIVING CONTROL INFORMATION	(22) 04.09.2018
(73) Huawei Technologies Co., Ltd.	(54) CONFIGURING RANDOM ACCESS CHANNELS FOR WIRELESS COMMUNICATIONS
(72) HU, Xingxing	(73) Telefonaktiebolaget LM Ericsson (publ)
DENG, Tianle	(72) AXNÄS, Johan
ZHOU, Kaijie	SAHLIN, Henrik
(74) ir. W.J.J.M. Kempes	(74) mr.ir. F.N. Ferro
(47) 06.05.2020	(31) 201762567168 P
(51) H04W 72/04	(32) 02.10.2017
H04W 76/14	(33) United States of America
(11) EP3179802	(47) 17.06.2020
(21) EP15829657.4	(51) H04W 76/14
(22) 07.08.2015	(11) EP2741564
(54) DEVICE-TO-DEVICE (D2D) OPERATION METHOD PERFORMED BY TERMINAL IN WIRELESS COMMUNICATIONS SYSTEM AND TERMINAL USING SAME	(21) EP13178767.3
(73) LG Electronics Inc.	(22) 31.07.2013
(72) JUNG, Sunghoon	(54) Method for establishing a Wi-fi Direct connection using an access point and second device having Wi-Fi Direct connection function
LEE, Youngdae	(73) Samsung Electronics Co., Ltd.
(74) J.M.H. Duyver lic.	(72) Kim, Deok-nam
(31) 201462034753 P	(74) ir. M.F.J.M. Ketelaars c.s.
(32) 07.08.2014	(31) 20120139769
(33) United States of America	(32) 04.12.2012
(47) 08.07.2020	(33) Korea (Republic)
(51) H04W 72/12	(47) 01.07.2020
(11) EP3257311	(51) H04W 88/04
(21) EP15881460.8	H04W 76/23
(22) 09.02.2015	(11) EP3295762
(54) METHOD AND APPARATUS FOR REDUCING PROCESSING DELAY	(21) EP16721309.9
(73) Telefonaktiebolaget LM Ericsson (publ)	(22) 22.04.2016
(72) WANG, Jianfeng	(54) RELAY FOR DEVICE-TO-DEVICE COMMUNICATION
ZHU, Huaisong	(73) Qualcomm Incorporated
XIAO, Lei	(72) BODAS, Shreeshankar, Ravishankar
(74) ir. A. Blokland c.s.	WANG, Hua
(47) 08.07.2020	LI, Junyi
(51) H04W 72/12	(74) ir. M.F.J.M. Ketelaars c.s.
H04B 7/04	(31) 201514709069
(11) EP2648448	(32) 11.05.2015
(21) EP13162199.7	(33) United States of America
(22) 03.04.2013	(47) 03.06.2020

## EP4

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

(51) A61B 5/00	United States of America	(72) LAOUTID, Fouad
A61B 5/01	(47) 29.11.2017	SAUTTREAU, Jean
G01J 5/02	(51) B29C 33/42	BERGOGNE, Laurent
(11) EP2833783	B29C 45/26	(31) 0451611
(21) EP13772800.2	(11) EP2205418	(32) 22.07.2004
(22) 13.03.2013	(21) EP09754322.7	(33) France
(54) METHOD AND APPARATUS FOR	(22) 05.04.2009	(47) 09.01.2013
INDICATING THE EMERGENCE OF A	(54) AN ARTIFICIAL PANEL, A METHOD	(51) C12Q 1/6869
PRE-ULCER AND ITS PROGRESSION	FOR MANUFACTURING SAME AND	(11) EP1987159
(73) Podimetrics, Inc.	FURNITURE ARTICLES THEREFROM	(21) EP07705178.7
(74) drs. O. Griebing	(73) KETER PLASTIC LTD.	(22) 08.02.2007
(72) BLOOM, Jonathan, David	(72) HAIMOFF, Efraim	(54) METHOD FOR SEQUENCING A
LINDERS, David, Robert	(31) 71122 P	POLYNUCLEOTIDE TEMPLATE
ENGLER, Jeffrey, Mark	(32) 14.04.2008	(73) Illumina Cambridge Limited
PETERSEN, Brian, Jude	(33) United States of America	(72) VERMAAS, Eric Hans
GEBOFF, Adam	(47) 04.06.2014	WORSLEY, Graham John
KALE, David Charles	(51) B41F 13/00	BOUTELL, Jonathan Mark
(31) 201261618889 P	B41F 33/00	BARNES, Colin Lloyd
(32) 02.04.2012	B41K 3/12	RIGATTI, Roberto
(33) United States of America	(11) EP2032364	GORMLEY, Niall Anthony
(47) 06.09.2017	(21) EP07789741.1	SMITH, Geoffrey Paul
(51) A61K 9/00	(22) 20.06.2007	SMITH, Vincent Peter
A61K 47/38	(54) NUMBERING DEVICE FOR	OST, Tobias William Barr
A61K 48/00	TYPOGRAPHIC NUMBERING	BENTLEY, David
C12N 15/86	(73) KBA-NotaSys SA	(31) 771361 P
(11) EP2968112	(72) WÜRSCH, Alain	(32) 08.02.2006
(21) EP14714307.7	MERMINOD, Antoine	(33) United States of America
(22) 14.03.2014	(31) 06115994	(47) 12.09.2012
(54) STABLE AQUEOUS FORMULATIONS	06124403	
OF ADENOVIRUS VECTORS	(32) 23.06.2006	
(73) Arecor Limited	20.11.2006	
(74) ir. M.F.J.M. Ketelaars c.s.	(33) European Patent Office (EPO)	
(72) JEZEK, Jan	European Patent Office (EPO)	
BUCKLER, Angela	(47) 19.01.2011	
(31) 201361793461 P	(51) C07H 19/06	
(32) 15.03.2013	(11) EP1651658	
(33) United States of America	(21) EP04771314.4	
(47) 23.08.2017	(22) 30.07.2004	
(51) A61K 31/381	(54) NOVEL COMPOUNDS HAVING	
A61K 31/4184	INHIBITORY ACTIVITY AGAINST	
A61K 31/4196	SODIUM-DEPENDANT TRANSPORTER	
A61K 31/513	(73) Mitsubishi Tanabe Pharma Corporation	
A61P 31/14	(72) NOMURA, Sumihiro c/o Mitsubishi	
(11) EP2709613	Tanabe Pharma Corporation	
(21) EP12768967.7	KAWANISHI, Eiji c/o Mitsubishi Tanabe	
(22) 14.09.2012	Pharma Corporation	
(54) METHODS FOR TREATING HCV	UETA, Kiichiro c/o Mitsubishi Tanabe	
(73) Gilead Pharmasset LLC	Pharma Corporation	
(74) ir. H.A. Witmans c.s.	(31) 491534 P	
(72) RAY, Adrian S.	(32) 01.08.2003	
WATKINS, William J.	(33) United States of America	
LINK, John O.	(47) 16.01.2013	
OLDACH, David W.	(51) C08L 75/04	
DELANEY, IV, William E.	C09K 21/02	
(31) 201161535885 P	C09K 21/14	
201161561753 P	(11) EP1778818	
(32) 16.09.2011	(21) EP05793574.4	
18.11.2011	(22) 22.07.2005	
(33) United States of America	(54) FIRESTOP MATERIAL	
	(73) Compart SAS	

## 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) A01J 5/013	29.04.2004	(22) 27.07.2004
G01N 33/04	04.08.2004	(54) Printing Fluid Container
G05B 13/04	(33) United Kingdom	(73) Hewlett-Packard Development Company, L.P.
G05B 17/02	United Kingdom	(72) Steinmetz, Charles R
G05B 23/02	United Kingdom	Gonzales, Curt G
G01N 21/35	United States of America	Petersen, Daniel W
(11) EP1540336	United States of America	Hanson, Lisa M
(21) EP03787739.6	United Kingdom	Hwang, Peter G
(22) 08.08.2003	(47) 10.04.2013	(74) dr. W.A.H.M. Van Borm
(54) A SYSTEM AND A METHOD FOR OBSERVING AND PREDICTING PHYSIOLOGICAL STATE OF AN ANIMAL	(51) A23C 9/123	(31) 632408
(73) Lattec I/S	A23L 3/3463	(32) 31.07.2003
(72) FRIGGENS, Nic, C.	A23L 3/3526	(33) United States of America
INGVARTSEN, Kaus, Lonne	A23L 3/3535	(47) 04.07.2018
KORSGAARD, Inge, Riis	A23L 3/3571	(51) C10G 3/00
LARSEN, Torben	C07K 14/315	(11) EP1681337
LOEVENDAHL, Peter	C12P 7/56	(21) EP05075068.6
RIDDER, Carsten	C12P 21/02	(22) 14.01.2005
NIELSEN, Nicolai, Ingemann	(11) EP2945496	(54) Method for the manufacture of hydrocarbons
(74) dr. W.A.H.M. Van Borm	(21) EP14700533.4	(73) Neste Oil Oyj
(31) 200201217	(22) 15.01.2014	(72) Murzin, Dmitry Yu
403645 P	(54) IMPROVED NISIN PRODUCTION PROCESS	Kubickova, Iva
200201315	(73) Purac Biochem bv	Snare, Mathias
408286 P	(72) DIERDORP-ANDREAE, Brenda Marja	Mäki-Arvela, Päivi
(32) 16.08.2002	MEIJER, Jasper	Myllyoja, Jukka
16.08.2002	MCELMURY, Scott Allan	(74) dr. A. Krebs
06.09.2002	BLONK, Johannes Cornelius Adrianus	(47) 01.12.2010
06.09.2002	MOREHOUSE, Lansen Court	
(33) Denmark	(74) ir. M.F.J.M. Ketelaars c.s.	
United States of America	(31) 201361752541 P	
Denmark	13156751	
United States of America	(32) 15.01.2013	
(47) 09.11.2011	26.02.2013	
(51) A01J 5/08	(33) United States of America	
A01J 7/02	European Patent Office (EPO)	
A01J 7/04	(47) 31.05.2017	
B08B 9/00	(51) A23J 3/30	
F16K 7/17	A23J 3/34	
(11) EP1790217	(11) EP1971219	
(21) EP07103689.1	(21) EP06841240.2	
(22) 13.10.2004	(22) 22.12.2006	
(54) Milking equipment	(54) PROCESS FLAVOURS WITH LOW ACRYLAMIDE	
(73) An Udder IP Company Ltd	(73) DSM IP Assets B.V.	
(72) Duke, James Richard John	(72) KORTES, Jan Gerrit	
(74) ir. A. Blokland c.s.	NOORDAM, Bertus	
(31) 0324647	(74) ir. W.J.J.M. Kempes	
0402119	(31) 05113023	
0408968	754219 P	
566313 P	(32) 28.12.2005	
566314 P	28.12.2005	
0417392	(33) European Patent Office (EPO)	
(32) 22.10.2003	United States of America	
30.01.2004	(47) 21.03.2018	
22.04.2004	(51) B41J 2/175	
29.04.2004	(11) EP2902207	
	(21) EP15156761.7	

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

- (21) 300338  
(22) 23.06.2020  
(11) 300338  
(73) PHIVCO-1 LLC  
PHIVCO-1 LLC  
(74) ir. F.A. Geurts c.s.  
ir. F.A. Geurts c.s.  
(68) EP1284974  
(54) Triazolyltropaanderivaten als CCR5-  
modulatoren.  
(94) 19.03.2023  
(95) Maraviroc, desgewenst in de vorm van  
een farmaceutisch aanvaardbaar zout  
(93) EU/1/07/418/001-010 20.09.2007  
(47) 11.08.2020
- 
- (21) 300727  
(22) 23.06.2020  
(11) 300727  
(73) Merck Sharp & Dohme Corp.  
Merck Sharp & Dohme Corp.  
(74) ir. M.F.J.M. Ketelaars c.s.  
ir. M.F.J.M. Ketelaars c.s.  
(68) EP1539977  
(54) TIACUMICIN PRODUCTION.  
(94) 06.06.2027  
(95) Fidaxomicine  
(93) EU/1/11/733/001-004 07.12.2011  
(47) 11.08.2020
- 
- (21) 301042  
(22) 10.06.2020  
(11) 301042  
(73) GALDERMA RESEARCH &  
DEVELOPMENT  
(74) ir. M.F.J.M. Ketelaars c.s.  
(68) EP1831149  
(54) NOVEL LIGANDS THAT MODULATE  
RAR RECEPTORS AND USE THEREOF  
IN HUMAN MEDICINE AND IN  
COSMETICS.  
(92) RVG 124058 10.03.2020  
(94) 20.12.2030  
(95) Trifaroteen, desgewenst in de vorm van  
een farmaceutisch aanvaardbaar zout  
(93) PL 10590/0071 13.01.2020  
(47) 10.08.2020
- 
- (21) 301059  
(22) 05.08.2020  
(11) 301059  
(74) ir. M.F.J.M. Ketelaars c.s.  
(68) EP2380971  
(54) PERIVASCULAR MESENCHYMAL  
PRECURSOR CELLS  
(94) 1826  
(95) Darvadstrocel  
(93) EU/1/17/1261 27.03.2018
-

## 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) 2009720	D21H 17/37	(11) EP2875767
(51) A01G 9/22	D21H 17/66	(51) A47L 9/26
(00) 15.07.2020	D21H 17/67	A47L 9/28
(00) 2014/19	D21H 17/69	(00) 41/19
07.05.2014	D21H 21/10	09.10.2019
(00) Advice	D21H 21/18	(11) EP2914187
(00) Ventiguard B.V.	D21H 21/20	(51) A61B 17/17
(11) EP1591105	(00) 41/19	(00) 41/19
(51) A61K 8/31	09.10.2019	09.10.2019
A61K 8/34	(11) EP2565891	(11) EP2945974
A61K 8/35	(51) H01H 3/26	(51) C08G 18/30
A61K 8/36	H01H 3/40	C08G 18/72
A61K 8/365	H01H 3/42	C08G 18/79
A61K 8/44	H01H 33/36	C08G 18/81
A61K 8/49	(00) 40/19	C09D 175/16
A61K 8/67	02.10.2019	H05K 3/28
A61Q 17/04	(11) EP2582683	(00) 42/19
A61K 8/97	(51) A61K 31/4196	16.10.2019
A61K 8/9789	A61K 31/426	(11) EP2965075
A61K 8/9794	A61K 31/519	(51) G01N 27/62
(00) 22/20	A61K 45/06	H01J 49/00
27.05.2020	A61P 19/06	(00) 53/19
(11) EP1856051	C07D 249/14	01.01.2020
(51) A61K 31/435	(00) 28.01.2020	(11) EP2970062
A61P 9/12	(00) 13/18	(51) B01J 19/18
C07D 211/90	21.03.2018	C07C 17/383
(00) 46/19	(00) Restoration of rights	C07C 21/18
13.11.2019	(00) Ardea Biosciences, Inc.	(00) 41/19
(11) EP2187965	(11) EP2667272	09.10.2019
(51) A61K 39/395	(51) A01D 34/00	(11) EP2983533
A61K 49/00	G05D 1/00	(51) A24C 5/34
A61K 51/04	G05D 1/02	A24D 3/02
A61P 35/00	B60L 3/00	G01B 11/10
C12P 21/00	B60L 50/52	(00) 41/19
(00) 41/19	B60L 53/14	09.10.2019
09.10.2019	B60L 53/30	(11) EP2984431
(11) EP2233127	B60L 53/51	(51) F26B 15/12
(51) A61K 8/31	B60L 53/65	F26B 21/08
A61K 8/34	(00) 41/19	F26B 21/10
A61K 8/35	09.10.2019	(00) 42/19
A61K 8/44	(11) EP2729525	16.10.2019
A61K 8/49	(51) C08J 5/18	(11) EP3003690
A61K 8/63	C08L 23/04	(51) B22F 3/105
A61K 8/67	C08L 23/08	B22F 5/10
A61Q 17/04	(00) 41/19	F15D 1/00
A61K 8/97	09.10.2019	F16B 13/08
(00) 22/20	(11) EP2749043	B33Y 80/00
27.05.2020	(51) A61F 11/08	(00) 41/19
(11) EP2262545	H04R 25/02	09.10.2019
(51) A61L 15/46	(00) 41/19	(11) EP3012688
A61L 15/60	09.10.2019	(51) B29C 33/38
(00) 41/19	(11) EP2806877	B29C 35/08
09.10.2019	(51) A61K 31/57	B29K 105/00
(11) EP2367978	A61P 25/00	B29L 9/00
(51) D21C 3/02	A61P 25/08	B29L 29/00
D21C 5/00	A61K 47/69	G03F 7/00
D21C 5/02	(00) 41/19	G03F 7/09
D21H 17/00	09.10.2019	G03F 7/11

G03F 7/20	H01J 49/04	B42D 25/41
B29C 64/10	(00) 41/19	(00) 18.05.2020
B29C 64/124	09.10.2019	(00) 05/20
B29C 64/129	(11) EP3257500	29.01.2020
B29C 64/135	(51) A61K 9/20	(00) Restoration of rights
B29C 64/141	A61K 31/4545	(00) IDEMIA France
B29C 64/153	A61P 7/02	(11) EP3389860
B29C 64/277	(00) 42/19	(51) B01J 21/04
B29C 64/282	16.10.2019	B01J 23/22
B29C 64/295	(11) EP3293409	B01J 23/40
B29C 64/40	(51) F16D 65/12	B01J 33/00
(00) 40/19	(00) 42/19	B01J 35/10
02.10.2019	16.10.2019	(00) 41/19
(11) EP3030262	(11) EP3294285	09.10.2019
(51) A61K 39/395	(51) A61K 31/337	(11) EP3405558
A61P 35/00	A61P 35/00	(51) C11D 3/22
C07K 14/54	(00) 51/19	C11D 3/37
C07K 14/705	18.12.2019	C11D 3/50
C07K 14/715	(11) EP3298959	D06M 13/00
C07K 16/28	(51) A61B 5/02	D06M 13/127
(00) 41/19	A61B 5/021	D06M 15/11
09.10.2019	A61B 5/026	(00) 41/19
(11) EP3036976	A61B 6/00	09.10.2019
(51) H05B 37/02	A61B 6/10	
(00) 41/19	A61B 6/12	
09.10.2019	G16H 50/50	
(11) EP3067127	(00) 41/19	
(51) B21C 47/22	09.10.2019	
B21C 47/34	(11) EP3328572	
B21C 51/00	(51) B21C 51/00	
B23D 31/00	B21H 1/06	
G01N 1/04	(00) 41/19	
(00) 41/19	09.10.2019	
09.10.2019	(11) EP3342816	
(11) EP3080344	(51) C08L 23/12	
(51) B41M 1/30	C08L 23/14	
C11D 17/04	H01B 3/28	
D06P 5/00	H01B 3/44	
D04H 1/42	(00) 41/19	
D04H 1/4266	09.10.2019	
D04H 1/4309	(11) EP3360964	
D04H 3/011	(51) C12N 9/22	
(00) 41/19	C12N 15/10	
09.10.2019	C12N 15/63	
(11) EP3181850	(00) 40/19	
(51) F01N 3/035	02.10.2019	
F01N 3/10	(11) EP3365171	
F01N 3/20	(51) A47B 96/20	
F01N 13/00	B32B 7/12	
F01N 13/02	B32B 21/00	
F02M 26/15	B32B 21/02	
F02M 26/30	B32B 21/08	
(00) 41/19	B32B 27/28	
09.10.2019	B32B 27/30	
(11) EP3183013	B32B 27/32	
(51) A61M 1/16	B32B 27/36	
A61M 1/34	B44C 5/04	
(00) 41/19	E04C 2/16	
09.10.2019	E04C 2/38	
(11) EP3221261	B29C 48/07	
(51) C01B 21/26	B29C 48/21	
C01B 21/28	B32B 7/00	
F23C 99/00	(00) 40/19	
(00) 41/19	02.10.2019	
09.10.2019	(11) EP3365183	
(11) EP3234592	(51) B42D 25/21	
(51) G01N 31/12	B42D 25/36	



## 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) EP1348445	12.09.2018	H04W 16/00
(51) A61L 2/00	(11) EP2218374	(00) 2014/44
(00) 2014/09	(51) A47J 31/36	29.10.2014
26.02.2014	F24H 1/14	(11) EP2493498
(11) EP1517615	(00) 46/18	(51) A61K 39/085
(51) A23G 1/04	07.11.2018	A61K 39/385
A23G 1/10	(11) EP2238172	(00) 06/18
(00) 2011/28	(51) A61K 39/395	31.01.2018
13.07.2011	A61P 35/00	(11) EP2498758
(11) EP1623269	C07K 1/18	(51) A61K 9/20
(51) C08L 33/00	C07K 16/06	A61K 9/24
C08L 33/14	C07K 16/32	A61K 31/155
C08L 33/24	(00) 47/18	A61K 31/70
C08L 35/00	14.11.2018	A61K 31/7004
C08L 39/00	(11) EP2268722	A61K 31/7034
C08L 39/04	(51) B29C 44/34	A61K 31/7042
G02B 1/04	B29C 44/56	A61K 45/06
G02C 7/04	C08J 9/00	(11) EP2538809
(00) 13/18	(00) 47/19	(51) A24C 5/28
21.03.2018	20.11.2019	(11) EP2543229
(11) EP1846030	(11) EP2316854	(51) H05B 3/84
(51) A61K 39/395	(51) C07K 16/26	(00) 48/17
C07K 16/32	C07K 16/44	29.11.2017
(00) 39/19	G01N 33/82	(11) EP2563526
25.09.2019	(11) EP2331651	(51) B05B 5/03
(11) EP1940349	(51) C09K 3/30	B05B 5/047
(51) A61K 9/08	C09K 5/04	B05D 1/06
A61K 9/10	(11) EP2335489	B05D 1/36
A61K 31/439	(51) A01J 25/16	B05D 7/00
A61K 31/536	A01J 27/02	(00) 45/18
A61P 11/00	A23C 19/068	31.10.2018
(00) 52/18	A23C 19/072	(11) EP2579704
19.12.2018	A23C 19/16	(51) A01J 5/007
(11) EP2021047	B65D 65/00	A01J 5/017
(51) A61M 1/00	B65D 85/76	(11) EP2596747
A61M 27/00	(11) EP2373755	(51) A61B 5/00
(00) 2014/36	(51) B24D 3/08	A61B 5/05
03.09.2014	B24D 11/00	(00) 36/18
(11) EP2114470	C09K 3/14	29.08.2018
(51) A61F 13/00	(00) 49/18	(11) EP2628013
A61F 13/02	28.11.2018	(51) G01N 33/52
A61F 13/06	(11) EP2398842	G01N 33/53
A61L 15/28	(51) C08J 3/00	G01N 33/68
A61L 15/42	(00) 2015/09	(11) EP2632277
A61L 15/60	25.02.2015	(51) A23C 9/12
(11) EP2155474	(11) EP2429781	A23C 9/142
(51) B29C 70/48	(51) B26D 7/18	(00) 06/19
C08J 5/04	(00) 20/17	06.02.2019
C08J 5/06	17.05.2017	(11) EP2638812
C08J 5/08	(11) EP2478905	(51) A23C 9/20
(00) 2011/47	(51) A61K 31/4709	A61K 31/702
23.11.2011	A61K 31/496	A61P 1/12
(11) EP2188302	A61P 35/02	A23L 33/10
(51) C07K 1/00	(00) 2015/14	A23L 33/135
C07K 14/00	01.04.2015	A23L 33/21
(00) 38/18	(11) EP2485514	(00) 03/19
	(51) H04J 11/00	16.01.2019

(11) EP2672950	(51) C12N 5/00	C08K 5/053
(51) A61K 31/715	(11) EP2870940	C08K 5/092
A61K 31/717	(51) A61B 6/04	C08L 67/02
A61L 15/28	A61F 5/37	C08L 77/06
A61L 15/44	A61N 5/10	C08L 77/10
A61P 17/00	A61B 90/14	(00) 40/18
(11) EP2688877	A61B 90/18	26.09.2018
(51) A61K 31/337	(11) EP2878556	(11) EP3054926
A61P 35/00	(51) B26D 7/32	(51) A61K 9/24
C07D 305/14	B65B 25/06	(00) 22/19
(11) EP2711355	B65G 47/08	29.05.2019
(51) C07C 231/06	B65G 57/32	(11) EP3056288
C07C 231/22	(00) 09/17	(51) B07C 5/02
C07C 233/09	01.03.2017	B07C 7/00
C12P 13/02	(11) EP2882454	(11) EP3108489
(11) EP2719977	(51) A61K 39/395	(51) H01H 1/021
(51) F24D 11/00	(00) 33/19	H01H 1/025
F24D 11/02	14.08.2019	H01H 1/38
F24D 19/10	(11) EP2886573	H01H 11/04
F25B 30/06	(51) C08G 18/40	(00) 47/19
F25D 17/02	C08G 18/61	20.11.2019
G05B 15/02	C08G 18/76	(11) EP3126190
(00) 07/18	(11) EP2914296	(51) B60P 1/02
07.02.2018	(51) A61K 31/00	B60P 1/43
(11) EP2737807	A61K 31/52	B62D 53/00
(51) C07C 233/11	A61K 45/06	(00) 50/18
C07C 233/22	A61P 35/00	05.12.2018
A23L 27/20	A61P 35/02	(11) EP3167528
(00) 08/18	G01N 33/574	(51) H02J 3/28
14.02.2018	(00) 15/19	H02J 3/38
(11) EP2766040	10.04.2019	H02J 3/46
(51) A61K 39/395	(11) EP2938708	H02J 13/00
A61K 45/06	(51) C10G 3/00	(11) EP3184296
C07K 16/32	C10G 45/58	(51) B32B 3/02
(11) EP2792369	C10L 1/02	B32B 7/04
(51) A61K 31/4184	C10L 1/04	B32B 27/10
A61K 47/40	(11) EP2946552	B32B 29/06
A61K 47/42	(51) H04N 19/13	D21H 27/10
(11) EP2804742	H04N 19/159	D21H 27/30
(51) B29C 65/00	H04N 19/18	D21H 27/32
B29C 65/18	H04N 19/593	D21H 27/34
(00) 23/19	H04N 19/91	D21H 27/36
05.06.2019	(00) 16/19	(00) 38/18
(11) EP2814763	17.04.2019	12.09.2018
(51) B65D 85/10	(00) 06.08.2020	(11) EP3300724
(00) 39/18	(00) Positive	(51) A61K 8/02
19.09.2018	(11) EP2946721	A61K 9/14
(11) EP2825558	(51) A61B 5/00	A61K 9/50
(51) A61K 31/337	(11) EP3030532	A23L 27/10
C07K 16/22	(51) C04B 2/12	
(11) EP2845929	F27B 1/04	
(51) C25D 5/36	(00) 53/18	
C25D 5/50	28.12.2018	
C25D 7/06	(11) EP3036497	
C25D 11/00	(51) F42B 4/28	
C25D 11/34	F42B 12/42	
(00) 33/18	(11) EP3038647	
08.08.2018	(51) A61K 39/00	
(11) EP2848459	A61K 39/395	
(51) B60N 2/28	A61P 35/00	
B60R 22/28	(00) 08/20	
(00) 02/18	19.02.2020	
03.01.2018	(11) EP3049467	
(11) EP2861756	(51) B32B 1/02	
(51) G01N 27/447	B32B 27/36	
C12Q 1/68	C08K 3/24	
(11) EP2864471	C08K 5/04	

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

	C07K 19/00
(11) 2009601	C12N 9/02
(00) 17.07.2020	C12N 15/62
(51) C08L 23/12	(11) EP2906630
C08L 67/04	(00) 17.07.2020
C08L 97/00	(51) C08L 23/12
C08L 101/00	C08L 67/04
(00) Established	C08L 97/00
(11) 2018875	C08L 97/02
(00) 16.07.2020	C08L 101/00
(51) A01G 24/20	(00) Established
A01G 24/35	(11) EP2968112
A01G 24/44	(51) A61K 9/00
(00) Established	A61K 47/38
(11) 2022050	A61K 48/00
(00) 21.07.2020	C12N 15/86
(51) A01G 7/04	(11) EP3175855
B65D 51/24	(51) A61P 1/00
F21S 9/02	A61P 1/16
F21V 23/04	(11) EP3309187
F21V 33/00	(51) C08G 18/10
F21Y 115/10	C08G 18/22
(00) Partial - Renunciation	C08G 18/28
(11) EP1651658	C08G 18/48
(51) C07H 19/06	C08G 18/50
(11) EP1778818	C09J 175/08
(51) C08L 75/04	
C09K 21/02	
C09K 21/14	
(11) EP1987159	
(51) C12Q 1/6869	
(11) EP2032364	
(51) B41F 13/00	
B41F 33/00	
B41K 3/12	
(11) EP2205418	
(51) B29C 33/42	
B29C 45/26	
(11) EP2625226	
(51) C08K 5/12	
C08K 5/29	
C08K 5/3442	
C08L 101/10	
C09J 201/10	
(11) EP2709613	
(51) A61K 31/381	
A61K 31/4184	
A61K 31/4196	
A61K 31/513	
A61P 31/14	
(11) EP2833783	
(51) A61B 5/00	
A61B 5/01	
G01J 5/02	
(11) EP2879693	
(51) A61K 38/17	
A61K 48/00	
A61P 9/00	
A61P 25/18	
A61P 35/00	
C07K 14/435	

## VRV

## Verval of nietigverklaring.

## Contains data concerning lapse or annulment.

(11) 1015895	(00) Patent Expired	(00) Patent Expired
(00) 08.08.2020	(11) EP1200833	(11) EP1342261
(00) Patent Expired	(00) 09.08.2020	(00) 04.03.2020
(11) 2023827	(00) Patent Expired	(00) EPV Ceased Effect
(00) 28.07.2020	(11) EP1202622	(11) EP1356186
(00) Application Withdrawn	(00) 08.08.2020	(00) 26.03.2020
(11) 2024322	(00) Patent Expired	(00) European Patent got Revoked
(00) 28.07.2020	(11) EP1203299	(11) EP1389928
(00) Application Withdrawn	(00) 11.08.2020	(00) 04.03.2020
(11) 2024323	(00) Patent Expired	(00) EPV Ceased Effect
(00) 28.07.2020	(11) EP1204323	(11) EP1390774
(00) Application Withdrawn	(00) 09.08.2020	(00) 04.03.2020
(11) EP1075820	(00) Patent Expired	(00) EPV Ceased Effect
(00) 10.08.2020	(11) EP1204642	(11) EP1405457
(00) Patent Expired	(00) 11.08.2020	(00) 04.03.2020
(11) EP1075844	(00) Patent Expired	(00) EPV Ceased Effect
(00) 09.08.2020	(11) EP1204663	(11) EP1418658
(00) Patent Expired	(00) 11.08.2020	(00) 04.03.2020
(11) EP1075917	(00) Patent Expired	(00) EPV Ceased Effect
(00) 09.08.2020	(11) EP1204739	(11) EP1480109
(00) Patent Expired	(00) 08.08.2020	(00) 04.03.2020
(11) EP1075925	(00) Patent Expired	(00) EPV Ceased Effect
(00) 11.08.2020	(11) EP1206881	(11) EP1493333
(00) Patent Expired	(00) 10.08.2020	(00) 11.08.2020
(11) EP1076137	(00) Patent Expired	(00) Patent Expired
(00) 10.08.2020	(11) EP1208345	(11) EP1520702
(00) Patent Expired	(00) 08.08.2020	(00) 09.08.2020
(11) EP1078564	(00) Patent Expired	(00) Patent Expired
(00) 09.08.2020	(11) EP1208674	(11) EP1545206
(00) Patent Expired	(00) 08.08.2020	(00) 04.03.2020
(11) EP1078700	(00) Patent Expired	(00) EPV Ceased Effect
(00) 09.08.2020	(11) EP1208696	(11) EP1583033
(00) Patent Expired	(00) 09.08.2020	(00) 04.03.2020
(11) EP1078849	(00) Patent Expired	(00) EPV Ceased Effect
(00) 09.08.2020	(11) EP1210118	(11) EP1605848
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(11) EP3504939	(11) EP3527734	
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**VRB**

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

## CO

## Ingeschreven overdrachten.

## Contains data concerning registered assignments or change of owners.

(71) BarTrack B.V.	H01M 8/2465	(51) A23C 9/152
(73) BarTrack B.V.	(00) Change of owner(s) name	A23L 1/10
(11) 1024674	(71) Intercontinental Great Brands LLC	A23L 1/105
(00) 01.07.2020	(73) Intercontinental Great Brands LLC	A23L 1/29
(51) G06F 17/60	(11) EP2174887	A23L 1/308
(00) Assignment	(00) 15.07.2020	C08B 37/00
(71) Morimura SOFC Technology Co., Ltd.	(51) A61K 31/34	(00) Assignment
(73) Morimura SOFC Technology Co., Ltd.	(00) Assignment	(71) Caudwell Marine Limited
(11) EP2955778	(71) Sime Darby Plantation Intellectual Property Sdn Bhd	(73) Caudwell Marine Limited
(00) 15.07.2020	(73) Sime Darby Plantation Intellectual Property Sdn Bhd	(11) EP3154853
(51) H01M 8/02	(11) EP2365756	(00) 17.07.2020
H01M 8/0258	(00) 16.07.2020	(51) B63H 20/16
H01M 8/0297	(51) A21D 2/16	(00) Assignment
H01M 8/04082	A23D 9/00	(71) Zrinski GmbH
H01M 8/12	A23D 9/02	(73) Zrinski GmbH
H01M 8/124	C11C 3/10	(11) EP2014262
H01M 8/24	(00) Assignment	(00) 15.07.2020
H01M 8/2425	(71) Stichting VUmc	(51) A61F 2/42
H01M 8/2465	(73) Stichting VUmc	(00) Assignment
(00) Assignment	(11) 2016085	(71) FEIL rolltainer GmbH
(71) Redex S.A.	(00) 17.07.2020	(73) FEIL rolltainer GmbH
(73) Redex S.A.	(51) A61B 3/08	(11) EP3213975
(11) EP2477764	(00) Assignment	(00) 17.07.2020
(00) 16.07.2020	(71) Morimura SOFC Technology Co., Ltd.	(51) B62B 3/00
(51) B21D 1/05	(73) Morimura SOFC Technology Co., Ltd.	(00) Assignment
(00) Assignment	(11) EP2728655	(71) Redex S.A.
(71) Kitemill A.S.	(00) 15.07.2020	(73) Redex S.A.
(73) Kitemill A.S.	(51) H01M 8/0206	(11) EP2813299
(11) EP2698312	H01M 8/0247	(00) 16.07.2020
(00) 16.07.2020	H01M 8/0254	(51) B21D 1/05
(51) B63B 35/79	H01M 8/124	(00) Assignment
F03D 5/00	(00) Assignment	(71) Redex S.A.
B63H 9/06	(71) Hybrid Frame B.V.	(73) Redex S.A.
(00) Assignment	(73) Hybrid Frame B.V.	(11) EP3377239
(71) Prysmian Netherlands BV	(11) 2018260	(00) 16.07.2020
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(11) EP2045890	(51) E06B 1/08	B21D 1/05
(00) 17.07.2020	E06B 1/32	(00) Assignment
(51) H02G 1/08	E06B 3/10	(71) BOL PEAT B.V.
H02G 3/00	E06B 3/263	(73) BOL PEAT B.V.
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(00) Assignment	(71) Redex S.A.	(00) 16.07.2020
(71) Stichting VU	(73) Redex S.A.	(51) C05F 11/00
(73) Stichting VUmc	(11) EP3009206	A01G 24/00
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(00) Demerger	(71) Transport-, Handelsbedrijf Hofmans B.V.	(71) Elopak AS
(71) NGK Spark Plug Co., Ltd.	(73) Transport-, Handelsbedrijf Hofmans B.V.	(73) Elopak AS
(73) Morimura SOFC Technology Co., Ltd.	(11) EP3095771	(11) EP2746180
(11) EP2955778	(00) 17.07.2020	(00) 15.07.2020
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H01M 8/0258	F26B 21/00	(00) Assignment
H01M 8/0297	(00) Assignment	(71) LB International HK Limited
H01M 8/04082	(71) Velle LLC	(73) MAST INDUSTRIES (FAR EAST) LIMITED
H01M 8/12	(73) Velle LLC	(11) EP2984953
H01M 8/124	(11) EP1976393	(00) 20.07.2020
H01M 8/24	(00) 17.07.2020	(51) A41C 3/00
H01M 8/2425		A41C 3/14

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(71) LB International HK Limited	(00) Assignment	D06M 13/02
(73) MAST INDUSTRIES (FAR EAST) LIMITED	(71) Hanneke Cruijssen	D06M 13/224
(11) EP2680715	(73) Hanneke Cruijssen	D06M 15/03
(00) 20.07.2020	(11) 1040926	D06M 16/00
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B29C 51/00	(00) Assignment	(73) MAST INDUSTRIES (FAR EAST) LIMITED
B29L 31/48	(71) MAST INDUSTRIES (FAR EAST) LIMITED	(11) EP1732409
(00) Assignment	(73) MAST INDUSTRIES (FAR EAST) LIMITED	(00) 20.07.2020
(71) MAST INDUSTRIES (FAR EAST) LIMITED	(11) EP2984953	(51) A41C 3/14
(73) MAST INDUSTRIES (FAR EAST) LIMITED	(00) 20.07.2020	A41C 5/00
(11) EP2648558	(51) A41C 3/00	(00) Change of owner(s) name
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(73) MAST INDUSTRIES (FAR EAST) LIMITED	(11) EP3153040	(51) A41C 3/00
(11) EP2956024	(00) 20.07.2020	A61K 8/73
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A41C 3/12	(71) MAST INDUSTRIES (FAR EAST) LIMITED	D06M 13/224
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(71) LB International HK Limited	(11) EP2764784	D06M 16/00
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(51) A41C 3/14	(00) Change of owner(s) name	(11) EP3248489
A41C 5/00	(71) Elevate Textiles, Inc.	(00) 20.07.2020
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(71) MAST INDUSTRIES (FAR EAST) LIMITED	(11) EP2644759	A41C 3/02
(73) MAST INDUSTRIES (FAR EAST) LIMITED	(00) 20.07.2020	A41C 3/12
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(51) A41C 3/12	D03D 15/12	(71) MAST INDUSTRIES (FAR EAST) LIMITED
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(71) LB International HK Limited	(71) MAST INDUSTRIES (FAR EAST) LIMITED	(11) EP2680715
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(00) 20.07.2020	(00) 20.07.2020	A41C 5/00
(51) A41C 3/14	(51) A41C 3/12	B29C 51/00
(00) Assignment	B29L 31/48	(00) Change of owner(s) name
(71) LB International HK Limited	(00) Change of owner(s) name	(71) LB International HK Limited
(73) MAST INDUSTRIES (FAR EAST) LIMITED	(71) LB International HK Limited	(73) MAST INDUSTRIES (FAR EAST) LIMITED
(11) EP2956024	(73) MAST INDUSTRIES (FAR EAST) LIMITED	(11) EP1732409
(00) 20.07.2020	(11) EP1732409	(00) 20.07.2020
(51) A41C 3/00	(00) 20.07.2020	(51) A41C 3/14
A41C 3/12	(51) A41C 3/14	A41C 5/00
(00) Assignment	A41C 5/00	(00) Assignment
(71) LB International HK Limited	(00) Assignment	(71) LB International HK Limited
(73) MAST INDUSTRIES (FAR EAST) LIMITED	(71) LB International HK Limited	(73) MAST INDUSTRIES (FAR EAST) LIMITED
(11) EP3248489	(73) MAST INDUSTRIES (FAR EAST) LIMITED	(11) EP2650429
(00) 20.07.2020	(11) EP2650429	(00) 20.07.2020
(51) A41C 3/00	(00) 20.07.2020	(51) A41C 3/00
A41C 3/02	(51) A41C 3/00	A61K 8/73
A41C 3/12	A61K 8/73	

**TVH**

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