



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.

#### *Bezoekadres:* **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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ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

<b>Inhoudsopgave</b>	<b>Blz. Content</b>	<b>Page</b>
<b>Rubriek NP1</b> Bevat gegevens betreffende octrooiaanvragen die zijn ingeschreven op grond van de Octrooiwet 1995.	<b>8 Heading NP1</b> Contains data concerning Netherlands patent applications which have been entered in the patent register under the Patents Act 1995.	<b>8</b>
<b>Rubriek NP2</b> Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	<b>11 Heading NP2</b> Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	<b>11</b>
<b>Rubriek NP3</b> Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	<b>13 Heading NP3</b> Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	<b>13</b>
<b>Rubriek EP1</b> Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	<b>14 Heading EP1</b> Contains data concerning translations of the conclusions of European patent applications.	<b>14</b>
<b>Rubriek EP2</b> Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	<b>15 Heading EP2</b> Contains data concerning European patents granted for The Netherlands.	<b>15</b>
<b>Rubriek EP3</b> Bevat gegevens betreffende voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend conform artikel 52 lid 1 of 6 van de Octrooiwet 1995.	<b>150 Heading EP3</b> 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.	<b>150</b>
<b>Rubriek EP4</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	<b>178 Heading EP4</b> Contains data concerning European patents granted in amended form for the Netherlands.	<b>178</b>
<b>Rubriek EP5</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde	<b>180 Heading EP5</b> Contains data concerning European patents granted in amended form for	<b>180</b>

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>181Heading SPC</b> Contains data concerning applications for- or granted Supplementary Protection Certificates.	181
<b>Rubriek VB1</b> Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.	<b>182Heading VB1</b> Contains data concerning requests and notices of opposition under the General administrative law.	182
<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>183Heading 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.	183
<b>Rubriek MED</b> Bevat gegevens betreffende overige mededelingen.	<b>184Heading MED</b> Contains data concerning other communications.	184
<b>Rubriek VRV</b> Bevat gegevens betreffende verval of nietigverklaring.	<b>187Heading VRV</b> Contains data concerning lapse or annulment.	187
<b>Rubriek VRB</b> Bevat gegevens betreffende verbeteringen op eerdere publicaties.	<b>223Heading VRB</b> Contains data concerning corrections on earlier publications.	223
<b>Rubriek CO</b> Bevat gegevens betreffende wijzigingen in het octrooiregister.	<b>224Heading CO</b> Contains data concerning changes in the Netherland patent register.	224
<b>Rubriek TVH</b> Bevat gegevens betreffende topografieën van halfgeleiderproducten.	<b>235Heading TVH</b> Contains data concerning depots of original topographies of semi-conductor products.	235

<b>Rubriek UP1</b> Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	<b>236Heading UP1</b> Contains data concerning European patents with registered Unitary Effect.	236
<b>Rubriek UP2</b> Bevat gegevens over Europese octrooien met geregistreerd verzoek ex. artikel 52a (herstel recht op validatie).	<b>237Heading UP2</b> Contains data concerning European patents with registered request ex article 52a (restoration of validation right).	237
<b>Rubriek UP3</b> Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en complete validatie.	<b>238Heading UP3</b> Contains data concerning European patents with accepted ex article 52a (restoration of validation right) and validation completed.	238
<b>Rubriek UP4</b> Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en geen complete validatie.	<b>239Heading UP4</b> Contains data concerning European patents with accepted request ex article 52a (restoration of validation right) and incomplete validation.	239
<b>Rubriek UP5</b> Bevat gegevens over Europese octrooien met afgewezen verzoek ex. artikel 52a (herstel recht op validatie).	<b>240Heading UP5</b> Contains data concerning European patents with rejected request ex article 52a (restoration of validation right).	240
<b>Rubriek UP6</b> Bevat gegevens over Europese octrooien met ingetrokken verzoek ex. artikel 52a (herstel recht op validatie).	<b>241Heading UP6</b> Contains data concerning European patents with withdrawn request ex article 52a (restoration of validation right).	241

## 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) A01D 45/00 A01D 91/02 A01G 22/10	(22) 22.03.2021 (54) Ear profiling with OCT (71) Acoustic Insight B.V. (74) ir. J.C. Volmer c.s.	(74) ir. H.A. Witmans c.s. (72) Frans Klees (41) 29.09.2022
(21) 2027790 (22) 22.03.2021 (54) Gewasoogstapparaat, in het bijzonder voor het oogsten van asperges (71) Antonius Godefridus Maria Cornelis Lommers (74) ir. G.J.M. Verhees (72) Antonius Godefridus Maria Cornelis Lommers (41) 29.09.2022	(72) Haaije Rimmer de Vries (41) 29.09.2022 (51) A61L 31/16 (21) 2031339 (22) 21.03.2022 (54) ANTIBACTERIAL COATING FORMED BY COPOLYMERIZATION OF CHLORHEXIDINE AND CATECHOLAMINE AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF	(51) B65B 5/10 B65B 35/36 B65B 39/00 B65B 39/12 B65B 59/00 (21) 2027714 (22) 05.03.2021 (54) Packaging device (71) Brom Mechatronica B.V. (74) ir. A.E. Dekker-Garms (72) Michiel Petrus Johannes Maria Brom Jeroen Everardus Cornelis Maria Brom
(51) A01G 9/04 (21) 2028013 (22) 20.04.2021 (54) Stabilisatieinrichting voor een kweekblokstabilisator of voor een kweekblok (71) Flordev B.V. (74) mr. ir. J. van Breda c.s. (72) Willem Peter Cornelis van Florestein (41) 29.09.2022 (31) 2027787 (32) 19.03.2021 (33) Netherlands	(71) Anhui Medical University (74) ir. M.B. Plaggenborg (72) Xiangyang Li (31) 202110309134.1 (32) 23.03.2021 (33) China	(51) C01G 49/00 (21) 2033030 (22) 14.09.2022 (54) PREPARATION METHOD OF NOVEL THREE-DIMENSIONAL FERRITE FOAM WAVE-ABSORBING MATERIAL (71) YAN'AN UNIVERSITY (74) ir. M.B. Plaggenborg (72) Qing Chang Bin Shi
(51) A01G 9/24 (21) 2027776 (22) 19.03.2021 (54) Air treatment system for a green house (71) Belua Beheer B.V. (74) dr. R.C. van Duijvenbode c.s. (72) Johannes Adrianus Hendrikus Maria van der Sande Arjan van Nieuwenhuijzen Pepijn Vermeulen Freek Middelburg Leendert Willem de Rijke Ronald Adrianus van den Berg	(51) B08B 17/02 A01K 1/015 B08B 3/02 E01H 1/10 A47L 11/30 A01K 1/01 (21) 1044397 (22) 10.08.2021 (54) Reinigingsseenheid (62) 1044119 (10.08.2021) (71) CSR B.V. (72) Ing. Gerardus Majella de Jong (31) 1043749 1043891 (32) 10.08.2020 31.12.2020 (33) Netherlands Netherlands	(51) C03C 3/068 C03C 3/155 (21) 2028260 (22) 20.05.2021 (54) High-Index Borate Glasses (71) Corning Incorporated (74) dr. ir. G.J.C. Verdijck c.s. (72) Antoine Marie Joseph Lepicard Jian Luo Lina Ma Alexander I Priven Adam Robert Sarafian (41) 29.09.2022 (31) 63/163,269 (32) 19.03.2021 (33) United States of America
(51) A21D 13/40 A21D 13/32 B26D 3/30 (21) 2027772 (22) 18.03.2021 (54) KLEINBROODPRODUCT EN WERKWIJZE VOOR HET BEREIDEN DAARVAN (71) Hendrik Dirk Holland (74) dr. ir. G.J.C. Verdijck c.s. (72) Hendrik Dirk Holland Fina Janet Holland-Jonker (41) 29.09.2022	(51) B23Q 16/02 B23Q 5/40 F16H 25/20 (21) 2027789 (22) 19.03.2021 (54) Verstelinrichting voor het verstellen van de positie van een machineonderdeel (71) Patrick Michael Antonius van Esch (74) ir. G.J.M. Verhees (72) Patrick Michael Antonius van Esch (41) 29.09.2022	(51) C07K 1/107 (21) 2027769 (22) 18.03.2021 (54) C-terminal peptide modification (71) Technische Universiteit Delft (74) dr. A. Ellens c.s. (72) Rienk Eelkema Peggy Bohlaender (41) 29.09.2022
(51) A61B 5/00 A61B 5/107 H04R 25/00 (21) 2027793	(51) B60J 1/00 B60J 1/02 B60R 13/04 (21) 2027768 (22) 18.03.2021 (54) A motor vehicle. (71) DAF Trucks N.V.	(51) C12Q 1/37 G01N 33/58 C12Q 1/04 G01N 21/64 (21) 2027785 (22) 19.03.2021



- (54) Method for the in vitro diagnosis of infection  
(71) Original G B.V.  
(74) dr. T. Wittop Koning PhD  
(72) Joost Alexander Christiaan Gazendam Matthew Francis Burton  
(41) 29.09.2022
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- (51) C22B 7/00  
C22B 11/00  
(21) 1043973  
(22) 19.03.2021  
(54) Werkwijze voor het terugwinnen van elementen uit printplaten en inrichting voor het uitvoeren van dergelijke werkwijze  
(71) Circular Industries B.V.  
(74) B. Berghuis van Woortman  
(72) Niels Willem Wagemaker Jan Marinus Reitsma Martinus Eduard Albertus van Zanten  
(41) 29.09.2022
- 
- (51) E01C 13/02  
F24S 10/75  
(21) 2027779  
(22) 19.03.2021  
(54) Temperatuurgeregeld sportterrein  
(71) Supersub Sportsystems B.V.  
(74) ir. J.C. Volmer c.s.  
(72) Eric Sarelse  
(41) 29.09.2022
- 
- (51) E02B 3/12  
(21) 2027771  
(22) 18.03.2021  
(54) REVETMENT MAT  
(71) Beens Groep B.V.  
(74) ir. A.R. Aalbers  
(72) Willem Eenkhoorn Peter Evert Melis  
(41) 29.09.2022
- 
- (51) E02D 5/02  
E02B 3/06  
E02D 5/26  
E02D 5/64  
E02D 9/04  
E02D 19/04  
E02D 37/00  
(21) 2027765  
(22) 17.03.2021  
(54) Werkwijze voor het renoveren van een grondkering, een grondkeringsrenovatiehuls en een combinatie van een grondkering en een grondkeringsrenovatiehuls  
(71) SusTech B.V.  
(74) ir. B.J. 't Jong  
(72) Hans Ferdinand Hartkamp  
(51) E04B 9/00  
E04B 9/06  
E04B 1/82  
(21) 1043972  
(22) 19.03.2021  
(54) Werkwijze voor het vervaardigen van plafondinvoelementen afgestemd op een vloer bestaande uit houten I-profielen  
(71) ABH Holding BV  
(72) Arie Benjamin Hartman BBE  
(41) 29.09.2022
- 
- (51) F01K 23/10  
F01K 23/18  
F01K 25/00  
F22B 1/00  
F22B 1/18  
(21) 2027780  
(22) 19.03.2021  
(54) ELECTRICITY GENERATION  
(71) OLWIN TECHNOLOGIES PTY LTD  
(74) dr. R.C. van Duijvenbode c.s.  
(72) Sadesh Harichand Sookraj Vinagum Chetty Sumith Rajendra Balmakhun  
(51) F02M 61/14  
(21) 2027770  
(22) 18.03.2021  
(54) Bracket and method for clamping an injector onto a cylinder head  
(71) DAF Trucks N.V.  
(74) ir. H.A. Witmans c.s.  
(72) Joost Petrus Johannes Vermeeren Bert van Nijlen  
(41) 29.09.2022
- 
- (51) F24D 10/00  
F24D 19/00  
(21) 1043974  
(22) 21.03.2021  
(54) Box lekwater afleverset warmte en koude.  
(71) Rudolf Jacob Schreurs Jacoba Catharina Maria Molenaar MED  
(72) Rudolf Jacob Schreurs  
(51) G01D 5/26  
G01D 5/353  
G01L 13/02  
G01C 9/06  
G01K 5/48  
G01L 11/02  
G01P 15/00  
G01K 11/3206  
G01L 1/24  
(21) 2027778  
(22) 19.03.2021  
(54) Fibre-optic sensor for measuring a physical quantity  
(71) Somni Corporation B.V.  
(74) dr. ir. G.J.C. Verdijck c.s.  
(72) Eric Meijer Bastiaan Meulblok Germán Enrique Knoppers  
(41) 29.09.2022
- 
- (51) G01N 21/954  
H04N 7/18  
(21) 2027794  
(22) 22.03.2021  
(54) ASSEMBLY FOR SENSORY AND VISUAL INSPECTION OF A CLOSED STORAGE TANK  
(71) Deef Claeys  
(74) dr. ir. G.J.C. Verdijck c.s.  
(72) Deef Claeys  
(41) 29.09.2022
- 
- (51) G01N 30/02  
G01N 30/72  
(21) 2032578  
(22) 22.07.2022
- 
- (54) Method for Determining Purity of Nicotine by Use of GCMS-GC Method  
(71) China Tobacco Yunnan Industrial Co., Ltd. Hongyunhonghe Tobacco (Group) Co., Ltd. YUNNAN TOBACCO QUALITY SUPERVISION AND TESTING STATION  
(74) ir. W.J.J.M. Kempes  
(72) Chao Li Jianlong Gu Xiaowei Zhang Zilong Zhang Jie Long Dan Li Jieyun Cai Chunqiong Wang Wei Liu Xue Jiang Haiyan Li Haowei Sun Ke Zhang Weili Kou Shihan Liang
- 
- (51) G02F 1/167  
G02F 1/16761  
(21) 2027746  
(22) 12.03.2021  
(54) Dynamic glazing comprising a substrate with interlaced mesh electrodes  
(71) eLstar Dynamics Patents B.V.  
(74) J. Hoekstra  
(72) Romaric Mathieu Massard Anatolie Mitioglu David Richard Thomas Anthony John Slack  
(41) 29.09.2022
- 
- (51) G06Q 20/02  
G06Q 20/24  
G06Q 20/34  
(21) 2027766  
(22) 17.03.2021  
(54) System for and method of supporting a service  
(71) Bunq B.V.  
(74) dr. R.C. van Duijvenbode c.s.  
(72) Ali Niknam André de Roos
- 
- (51) H01L 31/042  
H02S 40/22  
H02S 20/30  
(21) 2027763  
(22) 17.03.2021  
(54) Ball-net reflector for bifacial floating photovoltaic systems  
(71) Technische Universiteit Delft  
(74) drs. P.A. van Essen c.s.  
(72) Hesan Ziar Ugne Zindziute Olindo Isabella  
(41) 29.09.2022
- 
- (51) H04B 7/0456  
H04B 7/06  
H04B 7/08  
(21) 2032777  
(22) 17.08.2022  
(54) HYBRID BEAMFORMING METHOD BASED ON SIGNAL-TO-LEAKAGE-

PLUS-NOISE RATIO IN MILLIMETER-  
WAVE MIMO SYSTEMS

(71) Anhui Normal University

(74) ir. M.B. Plaggenborg

(72) Ran Zhang

Ye Wang

Xiaoming Liu

Lu Gan

(31) 202210094393.1

(32) 26.01.2022

(33) China

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(51) H05B 47/135

H05B 47/175

H05B 47/14

(21) 2027792

(22) 22.03.2021

(54) METHOD FOR CONFIGURING A  
LUMINAIRE SYSTEM AND DEVICE  
FOR USE THEREIN

(71) SCHREDER S.A

(74) dr. ir. G.J.C. Verdijck c.s.

(72) Laurent Secretin

(41) 29.09.2022

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## 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) A01D 45/00 A01D 91/02 A01G 22/10	(54) Ear profiling with OCT (73) Acoustic Insight B.V. (72) Haaije Rimmer de Vries (74) ir. J.C. Volmer c.s.	(72) Joost Alexander Christiaan Gazendam Matthew Francis Burton (74) dr. T. Wittop Koning PhD
(11) 2027790 (47) 29.09.2022 (22) 22.03.2021	(51) B23Q 16/02 B23Q 5/40 F16H 25/20	(51) C22B 7/00 C22B 11/00 (11) 1043973 (47) 29.09.2022 (22) 19.03.2021
(54) Gewasoogstapparaat, in het bijzonder voor het oogsten van asperges	(11) 2027789 (47) 29.09.2022 (22) 19.03.2021	(54) Werkwijze voor het terugwinnen van elementen uit printplaten en inrichting voor het uitvoeren van dergelijke werkwijze
(73) Antonius Godefridus Maria Cornelis Lommers (72) Antonius Godefridus Maria Cornelis Lommers (74) ir. G.J.M. Verhees	(54) Verstelinrichting voor het verstellen van de positie van een machineonderdeel (73) Patrick Michael Antonius van Esch (72) Patrick Michael Antonius van Esch (74) ir. G.J.M. Verhees	(73) Circular Industries B.V. (72) Niels Willem Wagemaker Jan Marinus Reitsma Martinus Eduard Albertus van Zanten (74) B. Berghuis van Woortman
(51) A01G 9/04 (11) 2028013 (47) 29.09.2022 (22) 20.04.2021	(51) B60J 1/00 B60J 1/02 B60R 13/04	(51) E01C 13/02 F24S 10/75 (11) 2027779 (47) 29.09.2022 (22) 19.03.2021
(54) Stabilisatieinrichting voor een kweekblokstabilisator of voor een kweekblok	(11) 2027768 (47) 29.09.2022 (22) 18.03.2021	(54) Temperatuurgeregeld sportterrein
(73) Flordev B.V. (72) Willem Peter Cornelis van Florestein (74) mr. ir. J. van Breda c.s.	(54) A motor vehicle. (73) DAF Trucks N.V. (72) Frans Klees (74) ir. H.A. Witmans c.s.	(73) Supersub Sportsystems B.V. (72) Eric Sarelse (74) ir. J.C. Volmer c.s.
(31) 2027787 (32) 19.03.2021 (33) Netherlands	(51) C03C 3/068 C03C 3/155 (11) 2028260 (47) 29.09.2022 (22) 20.05.2021	(51) E02B 3/12 (11) 2027771 (47) 29.09.2022 (22) 18.03.2021
(54) Air treatment system for a green house	(54) High-Index Borate Glasses (73) Corning Incorporated (72) Antoine Marie Joseph Lepicard	(54) REVETMENT MAT (73) Beens Groep B.V. (72) Willem Eenkhoorn Peter Evert Melis (74) ir. A.R. Aalbers
(73) Belua Beheer B.V. (72) Johannes Adrianus Hendrikus Maria van der Sande Arjan van Nieuwenhuijzen Pepijn Vermeulen Freek Middelburg Leendert Willem de Rijke Ronald Adrianus van den Berg (74) dr. R.C. van Duijvenbode c.s.	(72) Jian Luo Lina Ma Alexander I Priven Adam Robert Sarafian (74) dr. ir. G.J.C. Verdijck c.s. (31) 63/163,269 (32) 19.03.2021 (33) United States of America	(51) E02D 5/02 E02B 3/06 E02D 5/26 E02D 5/64 E02D 9/04 E02D 19/04 E02D 37/00 (11) 2027765 (47) 29.09.2022 (22) 17.03.2021
(51) A21D 13/40 A21D 13/32 B26D 3/30	(51) C07K 1/107 (11) 2027769 (47) 29.09.2022 (22) 18.03.2021	(54) Werkwijze voor het renoveren van een grondkering, een grondkeringsrenovatiehuls en een combinatie van een grondkering en een grondkeringsrenovatiehuls
(11) 2027772 (47) 29.09.2022 (22) 18.03.2021	(54) C-terminal peptide modification (73) Technische Universiteit Delft (72) Rienk Eelkema Peggy Bohlaender (74) dr. A. Ellens c.s.	(73) SusTech B.V. (72) Hans Ferdinand Hartkamp (74) ir. B.J. 't Jong
(54) KLEINBROODPRODUCT EN WERKWIJZE VOOR HET BEREIDEN DAARVAN	(51) C12Q 1/37 G01N 33/58 C12Q 1/04 G01N 21/64	(51) E04B 9/00 E04B 9/06 E04B 1/82 (11) 1043972 (47) 29.09.2022 (22) 19.03.2021
(73) Hendrik Dirk Holland (72) Hendrik Dirk Holland Fina Janet Holland-Jonker (74) dr. ir. G.J.C. Verdijck c.s.	(11) 2027785 (47) 29.09.2022 (22) 19.03.2021	(54) Method for the in vitro diagnosis of infection (73) Original G B.V.
(51) A61B 5/00 A61B 5/107 H04R 25/00	(54) Method for the in vitro diagnosis of infection (73) Original G B.V.	

(54) Werkwijze voor het vervaardigen van plafondinvolementen afgestemd op een vloer bestaande uit houten I-profielen	(72) Deef Claeys (74) dr. ir. G.J.C. Verdijck c.s.
(73) ABH Holding BV	(51) G02F 1/167
(72) Arie Benjamin Hartman BBE	G02F 1/16761
(51) F01K 23/10	(11) 2027746
F01K 23/18	(47) 29.09.2022
F01K 25/00	(22) 12.03.2021
F22B 1/00	(54) Dynamic glazing comprising a substrate with interlaced mesh electrodes
F22B 1/18	(73) eLstar Dynamics Patents B.V.
(11) 2027780	(72) Romaric Mathieu Massard
(47) 29.09.2022	Anatolie Mitioglu
(22) 19.03.2021	David Richard Thomas
(54) ELECTRICITY GENERATION	Anthony John Slack
(73) OLWIN TECHNOLOGIES PTY LTD	(74) J. Hoekstra
(72) Sadesh Harichand Sookraj	(51) G06Q 20/02
Vinagum Chetty	G06Q 20/24
Sumith Rajendra Balmakhun	G06Q 20/34
(74) dr. R.C. van Duijvenbode c.s.	(11) 2027766
(51) F02M 61/14	(47) 29.09.2022
(11) 2027770	(22) 17.03.2021
(47) 29.09.2022	(54) System for and method of supporting a service
(22) 18.03.2021	(73) Bunq B.V.
(54) Bracket and method for clamping an injector onto a cylinder head	(72) Ali Niknam
(73) DAF Trucks N.V.	André de Roos
(72) Joost Petrus Johannes Vermeeren	(74) dr. R.C. van Duijvenbode c.s.
Bert van Nijlen	(51) H01L 31/042
(74) ir. H.A. Witmans c.s.	H02S 40/22
(51) F24D 10/00	H02S 20/30
F24D 19/00	(11) 2027763
(11) 1043974	(47) 29.09.2022
(47) 29.09.2022	(22) 17.03.2021
(22) 21.03.2021	(54) Ball-net reflector for bifacial floating photovoltaic systems
(54) Box lekwater afleverset warmte en koude.	(73) Technische Universiteit Delft
(73) Rudolf Jacob Schreurs	(72) Hesam Ziar
Jacoba Catharina Maria Molenaar MEd	Ugne Zindziute
(72) Rudolf Jacob Schreurs	Olindo Isabella
(51) G01D 5/26	(74) drs. P.A. van Essen c.s.
G01D 5/353	(51) H05B 47/135
G01L 13/02	H05B 47/175
G01C 9/06	H05B 47/14
G01K 5/48	(11) 2027792
G01L 11/02	(47) 29.09.2022
G01P 15/00	(22) 22.03.2021
G01K 11/3206	(54) METHOD FOR CONFIGURING A LUMINAIRE SYSTEM AND DEVICE FOR USE THEREIN
G01L 1/24	(73) SCHREDER S.A
(11) 2027778	(72) Laurent Secretin
(47) 29.09.2022	(74) dr. ir. G.J.C. Verdijck c.s.
(22) 19.03.2021	
(54) Fibre-optic sensor for measuring a physical quantity	
(73) Somni Corporation B.V.	
(72) Eric Meijer	
Bastiaan Meulblok	
Germán Enrique Knoppers	
(74) dr. ir. G.J.C. Verdijck c.s.	
(51) G01N 21/954	
H04N 7/18	
(11) 2027794	
(47) 29.09.2022	
(22) 22.03.2021	
(54) ASSEMBLY FOR SENSORY AND VISUAL INSPECTION OF A CLOSED STORAGE TANK	
(73) Deef Claeys	

**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.**

(43) 21.09.2022

(11) EP4058655

(51) E21B 33/12

E21B 23/01

E21B 36/00

(71) Marwell AS

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## EP2

**Voor Nederland verleende Europese octrooien.****Contains data concerning European patents granted for The Netherlands.**

(51) A01B 21/08	A01C 7/20	A01C 1/02
(11) EP3487279	A01B 63/111	(11) EP3934412
(21) EP17781166.8	A01C 5/06	(21) EP21728632.7
(47) 05.10.2022	A01C 21/00	(47) 05.10.2022
(87) IB2017000810	B60K 35/00	(87) IB2021054251
01.02.2018	G01J 1/04	04.11.2021
(22) 03.07.2017	G01J 1/06	(22) 18.05.2021
(54) TILLAGE IMPLEMENT HAVING A MECHANISM FOR ADJUSTING DISC BLADE ANGLE	G01J 5/02	(54) GROWING DEVICE, SEED PAD AND GROWING SYSTEM FOR GROWING PLANTS FROM SEEDS
(73) AGCO Corporation	G01J 5/04	(73) ingarden Inc.
(72) HUGHES, Jeffrey, Scott	G01J 5/08	(72) SCHUMACHER, Harm-Julian
(31) 201662366194 P	G01J 5/12	GOGA, Christian
(32) 25.07.2016	G01N 21/3554	HAAKE, Anthony Elias
(33) United States of America	G01N 21/3563	BECK, Norbert
(51) A01B 59/042	G01N 21/47	(31) 202017077171
B60D 1/46	G01N 21/55	(32) 22.10.2020
(11) EP3821687	G01V 8/10	(33) United States of America
(21) EP20192829.8	G01J 5/0875	(51) A01H 5/12
(47) 05.10.2022	G01J 5/07	C07K 14/415
(22) 26.08.2020	(11) EP3554212	(11) EP3182820
(54) COUPLING DEVICE	(21) EP17883790.2	(21) EP15763211.8
(73) HANS SAUERMAN GMBH & CO. KG	(47) 05.10.2022	(47) 05.10.2022
(72) SAUERMAN, Franz	(87) US2017066861	(87) EP2015068860
(31) 102019130636	28.06.2018	25.02.2016
(32) 13.11.2019	(22) 15.12.2017	(22) 17.08.2015
(33) Germany	(54) SYSTEM FOR SOIL AND SEED MONITORING	(54) TOMATO PLANTS ALLOWING THE ESTABLISHMENT OF MITES
(51) A01B 59/06	(73) Climate LLC	(73) Rijk Zwaan Zaadteelt en Zaadhandel B.V.
A01B 61/02	(72) KOCH, Dale	(72) VAN HERWIJNEN, Zeger Otto
A01D 34/66	STRNAD, Michael	DRÄGER, Dörthe Bettina
(11) EP3639641	MORGAN, Matthew	BOLCKMANS, Karel, Jozef, Florent
(21) EP19190674.2	MCMAHON, Brian	DE JOODE, Jasper
(47) 05.10.2022	(31) 201762516553 P	VAN HOUTEN, Yvonne, Maria
(22) 08.08.2019	201762482116 P	(31) 14181306
(54) IMPROVED AGRICULTURAL	201762446254 P	(32) 18.08.2014
APPARATUS	201662436342 P	(33) European Patent Office (EPO)
(73) AGCO International GmbH	(32) 07.06.2017	(51) A01K 1/12
(72) Kinast, Ronnie	05.04.2017	F16C 19/30
(31) 201816626	13.01.2017	F16C 33/36
(32) 12.10.2018	19.12.2016	F16C 33/52
(33) United Kingdom	(33) United States of America	F16C 33/58
(51) A01C 7/08	United States of America	F16C 43/06
A01C 7/04	United States of America	F16C 33/50
A01C 7/12	(51) A01D 75/18	(11) EP3866586
A01C 7/20	A01D 65/02	(21) EP19820473.7
A01C 15/00	(11) EP3706545	(47) 05.10.2022
(11) EP3834596	(21) EP19737981.1	(87) NZ2019050096
(21) EP20188757.7	(47) 05.10.2022	19.12.2019
(47) 05.10.2022	(87) CA2019050018	(22) 12.08.2019
(22) 24.10.2013	18.07.2019	(54) A MILKING PLATFORM
(54) AGRICULTURAL ROW UNIT FOR DEPOSITING SEEDS	(22) 07.01.2019	(73) Waikato Milking Systems Limited Partnership
(73) Precision Planting LLC	(54) PREVENTING DAMAGE FROM DISLODGED CROP SAVING ACCESSORIES	(72) MCDUGAL, Graeme
(72) Sauder, Derek	(73) 101288550 SASKATCHEWAN LTD.	(31) 18743408
Levy, Kent	(72) DIETRICH, Dave	(32) 12.06.2018
(31) 201261718051 P	(31) 2991348	(33) New Zealand
(32) 24.10.2012	(32) 09.01.2018	(51) A01K 67/027
(33) United States of America	(33) Canada	A61L 31/16
(51) A01C 7/10	(51) A01G 27/06	A61L 15/44
G01N 19/10	A01C 1/04	A61L 17/00
G01N 33/24	A01G 24/44	

A61L 24/00	13.02.2014	(51) A23L 27/40
A61K 35/36	(22) 31.07.2013	A23L 33/21
C07K 14/495	(54) METHOD OF COMBATTING SOYBEAN	A23L 33/22
C07K 14/705	SUDDEN DEATH SYNDROME USING	A23L 23/10
C07K 14/71	SUBSTITUTED PYRAZOLAMIDES	A23L 29/212
(11) EP3334750	(73) Syngenta Participations AG	(11) EP3773008
(21) EP16834367.1	(72) OLAYA-HUERTAS, Gilberto	(21) EP19713084.2
(47) 05.10.2022	SWART, Gina, Mercia	(47) 05.10.2022
(87) CA2016050942	(31) 201261680031 P	(87) EP2019058180
16.02.2017	(32) 06.08.2012	10.10.2019
(22) 11.08.2016	(33) United States of America	(22) 01.04.2019
(54) PEPTIDIC TGF-BETA ANTAGONISTS	(51) A21C 11/04	(54) PROCESS FOR PREPARING A SALT- FIBER POWDER WITH BINDING PROPERTIES
(73) Philip, Anie	(11) EP3905886	(73) Société des Produits Nestlé S.A.
(72) Philip, Anie	(21) EP19832383.4	(72) BOBE, Ulrich
(31) 201562203469 P	(47) 05.10.2022	SCHROEDER, Volker
(32) 11.08.2015	(87) EP2019086640	GADDIPATI, Sanyasi
(33) United States of America	09.07.2020	PERDANA, Jimmy
(51) A01M 7/00	(22) 20.12.2019	KIM, Youngbin
G01N 33/00	(54) COOKING UTENSIL FOR WORKING	KEHLENBECK, Volker
(11) EP3032946	DOUGH	BOZON, Annabel
(21) EP14822583.2	(73) Jensen Industrial Limited	(31) 18166008
(47) 05.10.2022	Marrie, Lionel	(32) 06.04.2018
(87) US2014046320	(72) MUCHA, Loic	(33) European Patent Office (EPO)
15.01.2015	(31) 1874413	(51) A24D 1/22
(22) 11.07.2014	(32) 31.12.2018	A24B 15/16
(54) METHOD FOR AUTOMATIC PHENOTYPE MEASUREMENT AND SELECTION	(33) France	(11) EP2566358
(73) Blue River Technology Inc.	(51) A23C 21/00	(21) EP11718610.6
(72) REDDEN, Lee, Kamp	A23C 9/144	(47) 05.10.2022
COLGAN, Matthew	B01D 61/02	(87) US2011034040
(31) 201462004722 P	B01D 61/44	10.11.2011
201461942740 P	C02F 1/44	(22) 27.04.2011
201361859091 P	C02F 1/46	(54) SEGMENTED SMOKING ARTICLE
201361844967 P	C02F 9/00	(73) R. J. Reynolds Tobacco Company
(32) 29.05.2014	B01D 61/58	(72) CONNER, Billy Tyrone
21.02.2014	(11) EP3863412	SEBASTIAN, Andries Don
26.07.2013	(21) EP19823788.5	CROOKS, Evon Llewellyn
11.07.2013	(47) 05.10.2022	THOMAS, Timothy Fredrick
(33) United States of America	(87) FR2019052384	STONE, James Richard
United States of America	16.04.2020	BANERJEE, Chandra K.
United States of America	(22) 09.10.2019	CHANG, Yi-Ping
United States of America	(54) METHOD FOR TREATING WHEY DEMINEALISATION EFFLUENTS	(31) 775130
(51) A01N 1/02	(73) Synutra France International	775278
F25D 3/10	(72) CHAVERON, Michel	859494
F25D 29/00	(31) 1859360	(32) 06.05.2010
(11) EP3836785	(32) 09.10.2018	06.05.2010
(21) EP19752710.4	(33) France	19.08.2010
(47) 05.10.2022	(51) A23L 2/52	(33) United States of America
(87) EP2019071787	A23L 2/72	United States of America
20.02.2020	A23L 2/80	United States of America
(22) 14.08.2019	C12H 1/07	(51) A24D 3/02
(54) CRYOGENIC DEVICE WITH A HYDRAULIC CONTROL	C12H 1/16	A24D 3/00
(73) CRYOCAPCELL	C12H 1/056	A24D 3/04
(72) HEILIGENSTEIN, Jérôme	(11) EP3286294	A24D 3/06
HEILIGENSTEIN, Xavier	(21) EP16721095.4	(11) EP3661376
(31) 1857488	(47) 05.10.2022	(21) EP18841060.9
(32) 14.08.2018	(87) EP2016058635	(47) 05.10.2022
(33) France	27.10.2016	(87) US2018045171
(51) A01N 43/56	(22) 19.04.2016	07.02.2019
A01N 43/36	(54) METHOD AND DEVICE FOR STABILIZING POLYPHENOL- CONTAINING LIQUIDS	(22) 03.08.2018
A01N 25/00	(73) KHS GmbH	(54) METHOD AND APPARATUS FOR PRODUCING MICRO BEAD BEARING FILTER ROD
A01P 3/00	(72) MONZEL, Alois	(73) Altria Client Services LLC
(11) EP2879497	(31) 102015106258	(72) WILLIAMS, Dwight David
(21) EP13745385.8	(32) 23.04.2015	(31) 201762541259 P
(47) 05.10.2022	(33) Germany	(32) 04.08.2017
(87) EP2013066082		



(33) United States of America	(54) ELECTRONIC CIGARETTE	Niebuhr, Gunnar
(51) A24D 3/04	(73) Liu, Tuanfang	Schmidt, Rene
A24C 5/54	(72) Liu, Tuanfang	(31) 102017119521
(11) EP3727051	(31) 201821997753 U	(32) 25.08.2017
(21) EP18839718.6	201811452855	(33) Germany
(47) 05.10.2022	201821658441 U	(51) A24F 40/50
(87) IB2018060314	201811191766	A24F 40/51
27.06.2019	(32) 30.11.2018	A61M 15/06
(22) 19.12.2018	30.11.2018	A61M 11/04
(54) SUB-UNIT OF A SMOKING ARTICLE	12.10.2018	A61M 16/00
AND METHOD FOR MAKING IT	12.10.2018	(11) EP3708013
(73) G.D S.p.A.	(33) China	(21) EP20171743.6
(72) EUSEPI, Ivan	China	(47) 05.10.2022
ESPOSTI, Marco	China	(22) 30.03.2015
BENNI, Gabriele	China	(54) ELECTRONIC VAPOUR PROVISION
BALDANZA, Nicola	(51) A24F 40/40	SYSTEM
STIVANI, Eros	A24F 40/50	(73) Nicoventures Trading Limited
GAMBERINI, Giuliano	A24F 47/00	(72) DICKENS, Colin
SARTONI, Massimo	H01G 11/36	(31) 201410171
FEDERICI, Luca	H01G 11/10	(32) 09.06.2014
(31) 201800002360	(11) EP3541214	(33) United Kingdom
201700149237	(21) EP17812063.0	(51) A24F 40/50
(32) 02.02.2018	(47) 05.10.2022	A61M 15/06
22.12.2017	(87) IB2017057230	A61M 11/04
(33) Italy	24.05.2018	H02J 50/20
Italy	(22) 17.11.2017	A24F 40/10
(51) A24F 13/02	(54) POWER SOURCE FOR AN AEROSOL	H02J 7/35
A24F 13/14	DELIVERY DEVICE	(11) EP3481474
A24F 47/00	(73) RAI Strategic Holdings, Inc.	(21) EP17748929.1
(11) EP3397090	(72) SUR, Rajesh	(47) 05.10.2022
(21) EP16813032.6	HUNT, Eric T.	(87) IB2017054021
(47) 05.10.2022	SEARS, Stephen B.	11.01.2018
(87) IB2016057393	(31) 201615355830	(22) 03.07.2017
06.07.2017	(32) 18.11.2016	(54) AEROSOL DELIVERY DEVICE,
(22) 06.12.2016	(33) United States of America	CARTRIDGE AND CONTROL BODY
(54) HOLDER FOR AEROSOL	(51) A24F 40/42	(73) RAI Strategic Holdings, Inc.
GENERATING ARTICLE	A24F 40/485	(72) SUR, Rajesh
(73) Philip Morris Products S.A.	A61M 11/00	(31) 201615205903
(72) SAYGILI, Ali Murat	A61M 15/02	(32) 08.07.2016
(31) 15202956	A61M 16/00	(33) United States of America
(32) 29.12.2015	A61M 15/06	(51) A24F 40/51
(33) European Patent Office (EPO)	A61M 11/04	(11) EP3836810
(51) A24F 40/30	(11) EP3796798	(21) EP19755616.0
A24F 40/42	(21) EP19727460.8	(47) 05.10.2022
A24F 40/485	(47) 05.10.2022	(87) EP2019071994
A24F 40/10	(87) GB2019051401	20.02.2020
(11) EP3273813	28.11.2019	(22) 16.08.2019
(21) EP16711666.4	(22) 21.05.2019	(54) AEROSOL-GENERATING
(47) 05.10.2022	(54) ELECTRONIC VAPOUR PROVISION	DEVICE FOR USE WITH AN
(87) EP2016056578	SYSTEM WITH AEROSOLISABLE	AEROSOL-GENERATING ARTICLE
06.10.2016	SUBSTRATE MATERIAL DISPENSING	COMPRISING MEANS FOR ARTICLE
(22) 24.03.2016	ARRANGEMENT	IDENTIFICATION
(54) RESEALABLE AEROSOL-	(73) Nicoventures Trading Limited	(73) Philip Morris Products S.A.
GENERATING ARTICLE	(72) MOLONEY, Patrick	(72) MIRONOV, Oleg
(73) Philip Morris Products S.A.	CHAN, Justin Han Yang	COURBAT, Jerome, Christian
(72) HOGWOOD, Jonathan	(31) 201808483	STURA, Enrico
JONES, Stuart Michael Ruan	(32) 23.05.2018	(31) 18189545
STEPHENSON, John Antony	(33) United Kingdom	(32) 17.08.2018
EDINGTON, David	(51) A24F 40/46	(33) European Patent Office (EPO)
COULSON, Christopher	A24F 40/53	(51) A24F 40/51
(31) 15161536	(11) EP3446579	(11) EP3836811
(32) 27.03.2015	(21) EP18190453.3	(21) EP19755617.8
(33) European Patent Office (EPO)	(47) 05.10.2022	(47) 05.10.2022
(51) A24F 40/40	(22) 23.08.2018	(87) EP2019071995
(11) EP3636086	(54) INHALER AND METHOD FOR	20.02.2020
(21) EP19153874.3	CONTROLLING AN INHALER	(22) 16.08.2019
(47) 05.10.2022	(73) Hauni Maschinenbau GmbH	(54) AEROSOL-GENERATING
(22) 28.01.2019	(72) Kessler, Marc	DEVICE FOR USE WITH AN

AEROSOL-GENERATING ARTICLE COMPRISING MEANS FOR ARTICLE IDENTIFICATION	(73) JT International SA (72) GOLOVANOVA, Tatiana PARSONS, Christopher Rory ORTH, Michael HASEGAWA, Takashi PLATTNER, Michael JOHAENTGES, Thomas	A43C 11/00 (11) EP3782499 (21) EP20201381.9 (47) 05.10.2022 (22) 30.10.2017 (54) QUICK-PULL SHOE CLOSURE (73) NIKE Innovate C.V. (72) HOPKINS, Timothy P. WEAST, Aaron B. WILLIAMS, Peter P., II
(73) Philip Morris Products S.A. (72) MIRONOV, Oleg COURBAT, Jerome, Christian STURA, Enrico	(31) 201522368 (32) 18.12.2015 (33) United Kingdom	(73) NIKE Innovate C.V. (72) HOPKINS, Timothy P. WEAST, Aaron B. WILLIAMS, Peter P., II
(31) 18189540 (32) 17.08.2018 (33) European Patent Office (EPO)	(31) 201522368 (32) 18.12.2015 (33) United Kingdom	(73) NIKE Innovate C.V. (72) HOPKINS, Timothy P. WEAST, Aaron B. WILLIAMS, Peter P., II
(51) A24F 40/57 A24F 40/53 A61M 11/04 A61M 15/06 A24F 40/20 A61M 15/00	(51) A24F 47/00 A61M 15/06 A24F 40/53 (11) EP3811803 (21) EP18923708.4 (47) 05.10.2022 (87) JP2018023739 26.12.2019 (22) 22.06.2018 (54) AEROSOL GENERATION DEVICE, AND METHOD AND PROGRAM FOR OPERATING SAME	(31) 201762532842 P 201662417163 P (32) 14.07.2017 03.11.2016 (33) United States of America United States of America
(11) EP3777575 (21) EP18912023.1 (47) 05.10.2022 (87) JP2018012243 03.10.2019 (22) 26.03.2018 (54) AEROSOL GENERATION DEVICE, CONTROL METHOD, AND PROGRAM	(73) Japan Tobacco Inc. (72) YAMADA, Manabu AKAO, Takeshi MIZUGUCHI, Kazuma TSUJI, Masayuki FUJITA, Hajime	(51) A44B 17/00 (11) EP3886640 (21) EP19802205.5 (47) 05.10.2022 (87) EP2019081889 04.06.2020 (22) 20.11.2019 (54) SEALED PRESS-STUD (73) Daudé Fabrication (72) LAURENT, Pierre LAURENT, Tiphaine DENIZART, Bruno
(73) Japan Tobacco Inc. (72) NAKANO, Takuma FUJITA, Hajime	(73) Japan Tobacco Inc. (72) YAMADA, Manabu AKAO, Takeshi MIZUGUCHI, Kazuma TSUJI, Masayuki FUJITA, Hajime	(73) Daudé Fabrication (72) LAURENT, Pierre LAURENT, Tiphaine DENIZART, Bruno
(51) A24F 40/85 (11) EP3764825 (21) EP19708575.6 (47) 05.10.2022 (87) EP2019056014 19.09.2019 (22) 11.03.2019 (54) CLEANING TOOL FOR HEATING ELEMENT	(51) A42B 3/08 A44B 11/25 (11) EP3884796 (21) EP21173164.1 (47) 05.10.2022 (22) 27.11.2017 (54) SAFETY DEVICE (73) JSP Limited (72) SANDERS, Stephen JOHNSTONE, Clive	(31) 201805837 (32) 29.11.2018 (33) Belgium (51) A44C 5/24 (11) EP3420839 (21) EP17177805.3 (47) 05.10.2022 (22) 26.06.2017 (54) CLASP FOR WRISTWATCH (73) ROLEX SA (72) CUSIN, Mathieu DUFRAINE, Nicolas REJZNER, James
(73) Philip Morris Products S.A. (72) DAYIOGLU, Onur	(73) JSP Limited (72) SANDERS, Stephen JOHNSTONE, Clive	(54) CLASP FOR WRISTWATCH (73) ROLEX SA (72) CUSIN, Mathieu DUFRAINE, Nicolas REJZNER, James
(31) 18161492 (32) 13.03.2018 (33) European Patent Office (EPO)	(31) 201620694 (32) 06.12.2016 (33) United Kingdom	(72) CUSIN, Mathieu DUFRAINE, Nicolas REJZNER, James
(51) A24F 47/00 (11) EP3462944 (21) EP17729808.0 (47) 05.10.2022 (87) EP2017062793 07.12.2017 (22) 26.05.2017 (54) AEROSOL-GENERATING DEVICE HAVING A SIDE CAVITY	(51) A43B 3/02 A43B 1/04 A43B 5/00 A43B 23/02 D04B 1/22 A43B 3/00 A43B 7/14 A43B 13/18 A43B 13/22 (11) EP3895574 (21) EP21168838.7 (47) 05.10.2022 (22) 16.04.2021 (54) BOOT SUITABLE FOR PRACTISING HORSE RIDING AND COMPRISING AN UPPER THAT IS DEFORMABLE IN WIDTH AND LENGTH	(51) A45C 5/14 A45C 9/00 A45C 13/04 (11) EP3846658 (21) EP18816265.5 (47) 05.10.2022 (87) IT2018000137 26.03.2020 (22) 25.10.2018 (54) MOTORIZED CARRY-ON PROVIDED WITH A RETRACTABLE PLATFORM COMPRISING A PAIR OF DRIVING WHEELS
(73) Philip Morris Products S.A. (72) REEVELL, Tony	(11) EP3895574 (21) EP21168838.7 (47) 05.10.2022 (22) 16.04.2021 (54) BOOT SUITABLE FOR PRACTISING HORSE RIDING AND COMPRISING AN UPPER THAT IS DEFORMABLE IN WIDTH AND LENGTH	(54) MOTORIZED CARRY-ON PROVIDED WITH A RETRACTABLE PLATFORM COMPRISING A PAIR OF DRIVING WHEELS
(31) 16172276 (32) 31.05.2016 (33) European Patent Office (EPO)	(31) 201620694 (32) 06.12.2016 (33) United Kingdom	(73) BE Initia Srl (72) QUARTA, Gaetano
(51) A24F 47/00 A61M 15/00 A61M 15/06 A61M 11/04 A24F 7/02 A24F 40/485	(73) HORSE PILOT (72) DEWAVRIN, Simon JANIN, Guillaume GUILLON, Aurélien	(31) 201800008815 (32) 21.09.2018 (33) Italy (51) A45C 11/00 A01K 1/02 A45C 7/00 A01K 1/03 A01K 1/00 (11) EP3479686 (21) EP18156403.0 (47) 05.10.2022 (22) 13.02.2018
(11) EP3389421 (21) EP16809394.6 (47) 05.10.2022 (87) EP2016080604 22.06.2017 (22) 12.12.2016 (54) AN AEROSOL GENERATING DEVICE	(31) 2003898 (32) 17.04.2020 (33) France (51) A43C 11/12 A43C 11/22 A43C 3/00	(11) EP3479686 (21) EP18156403.0 (47) 05.10.2022 (22) 13.02.2018

(54) FOLDABLE AND EXPANDABLE PET CARRIER BAG	(54) DEVICE WITH BELT FOR CARRYING AN ELECTRONIC APPARATUS OVER THE SHOULDER AGAINST THE CHEST OF A USER	CORNELISSEN, Marjan KOOIJKER, Klaas
(73) Xiamen Sunnypet Products Co., Ltd.	(73) Van Landeghem, Benoît	(31) 2017278
(72) LU, Kongzhi	(72) Van Landeghem, Benoît	(32) 03.08.2016
(31) 201711084734	(31) 1857936	(33) Netherlands
(32) 07.11.2017	(32) 04.09.2018	(51) A47J 31/44
(33) China	(33) France	(11) EP3870007
(51) A45C 11/00	(51) A47B 17/02	(21) EP19795662.6
A45C 11/24	A47B 91/02	(47) 05.10.2022
B63B 32/80	F16B 7/10	(87) IB2019058941
B65D 81/02	F16M 7/00	30.04.2020
(11) EP3364813	(11) EP3709838	(22) 21.10.2019
(21) EP16787544.2	(21) EP18793172.0	(54) CALIBRATED ROTARY PRESSING DEVICE FOR GROUND COFFEE POWDER
(47) 05.10.2022	(47) 05.10.2022	(73) Fiorenzato M.C. Srl
(87) GB2016053303	(87) EP2018000467	(72) ODDERA, Manuel
27.04.2017	23.05.2019	LISSANDRON, Luca
(22) 21.10.2016	(22) 10.10.2018	(31) 201800009738
(54) TRANSPORTABLE CASE FOR HOBBY EQUIPMENT	(54) LENGTH-ADJUSTABLE SUPPORT DEVICE	(32) 24.10.2018
(73) Paua Trading Limited	(73) 90GRAD GmbH	(33) Italy
(72) BLADD-SYMMMS, Peter	(72) RIEGGER, Mario	(51) A47K 10/16
TITLEY, Michael	(31) 202017010611 U	B05C 1/08
(31) 201617576	(32) 16.11.2017	A47K 10/32
201616944	(33) Germany	(11) EP3165142
201615821	(51) A47G 27/02	(21) EP16197163.5
201615819	B32B 5/02	(47) 05.10.2022
201518661	B32B 5/06	(22) 03.11.2016
(32) 17.10.2016	B32B 5/12	(54) APPARATUS FOR MANUFACTURING A HYGIENIC PRODUCT
05.10.2016	B32B 5/18	(73) LUCART SPA
16.09.2016	B32B 5/24	(72) SALUTE, Pasquale
16.09.2016	B32B 5/26	(31) UB20155094
21.10.2015	B32B 7/06	(32) 04.11.2015
(33) United Kingdom	B32B 7/14	(33) Italy
United Kingdom	B32B 27/08	(51) A47L 5/28
United Kingdom	B32B 27/30	A47L 9/28
United Kingdom	B32B 27/32	(11) EP3804595
United Kingdom	B32B 27/40	(21) EP19202549.2
(51) A45C 13/00	A47G 27/04	(47) 05.10.2022
A45C 5/06	(11) EP3808228	(22) 10.10.2019
H02J 7/00	(21) EP19934385.6	(54) VACUUM CLEANING DEVICE WITH AT LEAST TWO MOTORS
(11) EP3672445	(47) 05.10.2022	(73) Valentini, Luca
(21) EP18766088.1	(87) CN2019128289	(72) Valentini, Luca
(47) 05.10.2022	25.02.2021	(51) A47L 7/00
(87) US2018047749	(22) 25.12.2019	A47L 9/00
28.02.2019	(54) DETACHABLE CARPET	(11) EP3692882
(22) 23.08.2018	(73) Kunshan Yijia Ju Textile Co., Ltd.	(21) EP19156138.0
(54) LUGGAGE SYSTEM EMPLOYING A TELESCOPICALLY-EXTENDABLE HANDLE AND BATTERY POWER SUPPLY ASSEMBLY EQUIPPED WITH A SEMI-AUTOMATIC BATTERY POWER MODULE EJECTION MECHANISM	(72) CAO, Shunlin	(47) 05.10.2022
(73) JRSK, Inc.	ZHANG, Yi	(22) 08.02.2019
(72) KOREY, Stephanie	(31) 201910749370	(54) MOBILE WORKSTATION COMPRISING A MOBILE VACUUM DUST SUCTION DEVICE AND A STORAGE UNIT
RUBIO, Jennifer	(32) 16.08.2019	(73) Valentini, Luca
(31) 201815902825	(33) China	(72) Valentini, Luca
201715684077	(51) A47J 31/36	(51) A47L 9/00
(32) 22.02.2018	A47J 31/06	A47L 9/04
23.08.2017	B65D 85/804	A47L 9/28
(33) United States of America	(11) EP3493717	A47L 11/40
United States of America	(21) EP17754833.6	B60L 15/20
(51) A45F 5/00	(47) 05.10.2022	G05D 1/02
(11) EP3846659	(87) NL2017050519	B60L 50/52
(21) EP19774148.1	08.02.2018	B60L 53/14
(47) 05.10.2022	(22) 03.08.2017	(11) EP2995236
(87) FR2019051981	(54) SYSTEM, APPARATUS, METHOD AND USE OF A CAPSULE FOR PREPARING A BEVERAGE	(21) EP15189554.7
12.03.2020	(73) Koninklijke Douwe Egberts B.V.	(47) 05.10.2022
(22) 28.08.2019	(72) OGINK, Judith Margreet Hanneke	
	RIJSKAMP, Peter	

(22) 09.05.2008	201621182366 U	China
(54) COMPACT AUTONOMOUS COVERAGE ROBOT	201620677834 U 201610503729	China China
(73) iRobot Corporation	201620676342 U	China
(72) SCHNITTMANN, Mark	201610504893	China
DUBROVSKY, Zivthan A.	201620676401 U	China
MAMMEN, Jeffrey W.	201610504599	China
SOLOCHEK, Aaron	201620675696 U	China
(31) 938699 P	201620676343 U	China
917065 P	201620677884 U	China
(32) 17.05.2007	201620677833 U	China
09.05.2007	201620678770 U	China
(33) United States of America	201610504616	China
United States of America	201620676789 U	China
(51) A47L 9/04	201610503150	China
A47L 5/00	201620678768 U	(51) A47L 9/28
A47L 9/32	201610503910	B25J 13/08
F16L 25/00	201620677750 U	B25J 19/04
F16L 37/00	201610504525	A47L 9/02
(11) EP3675701	201620675699 U	A47L 9/16
(21) EP18851391.5	201610504892	B25J 11/00
(47) 05.10.2022	201620676341 U	(11) EP3324808
(87) US2018048858	201610503971	(21) EP16827944.6
07.03.2019	(32) 03.11.2016	(47) 05.10.2022
(22) 30.08.2018	03.11.2016	(87) KR2016007030
(54) VACUUM CLEANER TOOL HAVING A ROTATABLE DUCT FOR MOVING BETWEEN A USE POSITION AND STORAGE POSITION ON A VACUUM CLEANER	03.11.2016	26.01.2017
(73) SharkNinja Operating LLC	03.11.2016	(22) 30.06.2016
(72) THORNE, Jason B., CALVINO, Alexander J., SU, Mingshun, YANG, Robert, CAI, Charlie, HOWES, Gordon, BOND, Brian M., CORNELIUS, Leanna,	30.06.2016 30.06.2016 30.06.2016 30.06.2016 30.06.2016 30.06.2016 30.06.2016 30.06.2016 30.06.2016	(54) ROBOT CLEANER (73) LG Electronics Inc. (72) KIM, Bongju SUNG, Jihoon
(31) 201762553247 P	30.06.2016	(31) 20150101681
(32) 01.09.2017	30.06.2016	(32) 17.07.2015
(33) United States of America	30.06.2016	(33) Korea (Republic)
(51) A47L 9/22	30.06.2016	(51) A47L 13/58
A47L 9/28	30.06.2016	(11) EP3936023
A47L 9/32	30.06.2016	(21) EP21183698.6
A47L 5/24	30.06.2016	(47) 05.10.2022
A47L 9/16	30.06.2016	(22) 05.07.2021
(11) EP3479749	30.06.2016	(54) BUCKET
(21) EP16840271.7	30.06.2016	(73) Leifheit AG
(47) 05.10.2022	30.06.2016	(72) FISCHER, Klaus-Jürgen
(87) CN2016108105	30.06.2016	WEBER, Sylvia
04.01.2018	30.06.2016	SEIDEL, Thorsten
(22) 30.11.2016	30.06.2016	LINK, Jan
(54) DUST CUP, DUST CUP ASSEMBLY, AND HANDHELD VACUUM CLEANER	(33) China	ZÜHLKE, Lisa
(73) Jiangsu Midea Cleaning Appliances Co., Ltd.	China	(31) 102020117838
(72) SONG, Bingxian	China	(32) 07.07.2020
ZHONG, Min	China	(33) Germany
WU, Jiajun	China	(51) A47L 15/00
WANG, Yonghua	China	A47L 15/42
(31) 201621182367 U	China	B01D 61/12
201621182368 U	China	C02F 1/44
201610957622	China	B01D 61/02
201610957621	China	(11) EP3689216
201621182435 U	China	(21) EP20153601.8
201621182369 U	China	(47) 05.10.2022
201610969801	China	(22) 24.01.2020
		(54) DISHWASHER AND METHOD FOR MONITORING FAULTS IN A REVERSE OSMOSIS UNIT OF A DISHWASHER
		(73) MEIKO Maschinenbau GmbH & Co. KG
		(72) KUPETZ, Joachim
		SUHM, Norbert
		HUBER, Phillipp
		SANTO, Martin
		(31) 102019102439
		(32) 31.01.2019

(33) Germany	201461993446 P	(22) 31.08.2016
(51) A47L 15/42	(32) 18.03.2015	(54) WINDOW APPARATUS FOR OBTAINING MICROSCOPIC IMAGE OF IN VIVO BREAST TISSUE AND METHOD FOR OBTAINING IMAGE USING SAME
E05B 63/22	22.01.2015	
E05C 5/00	22.01.2015	
(11) EP3846670	22.01.2015	
(21) EP19762895.1	22.01.2015	
(47) 05.10.2022	14.11.2014	(73) Medicinal Bioconvergence Research Center
(87) US2019048235	15.05.2014	Korea Advanced Institute of Science and Technology
12.03.2020	(33) United States of America	
(22) 27.08.2019	United States of America	(72) KIM, Pii Han
(54) DOOR LOCKING DEVICE FOR AN ELECTRIC HOUSEHOLD APPLIANCE, IN PARTICULAR A DISHWASHER, AND ELECTRIC HOUSEHOLD APPLIANCE PROVIDED THEREWITH	United States of America	KIM, Yeseul
	United States of America	PARK, Inwon
	United States of America	KIM, Sunghoon
(73) Illinois Tool Works Inc.	(51) A61B 3/10	(31) 20150123212
(72) CHIRUMBOLO, Dino	(11) EP3939492	(32) 31.08.2015
(31) 201800008341	(21) EP20186520.1	(33) Korea (Republic)
201916550914	(47) 05.10.2022	(51) A61B 5/00
(32) 04.09.2018	(22) 17.07.2020	G10H 1/00
26.08.2019	(54) BINOCULAR OPTICAL COHERENCE TOMOGRAPHY IMAGING SYSTEM	(11) EP3531896
(33) Italy	(73) Optos PLC	(21) EP17798128.9
United States of America	(72) Varughese Chacko, Lijo	(47) 05.10.2022
(51) A61B 1/00	Normand, Margaret Catherine	(87) EP2017077515
A61B 1/018	(51) A61B 3/10	03.05.2018
A61M 25/00	G01B 9/02	(22) 26.10.2017
(11) EP3518723	(11) EP3900609	(54) A METHOD FOR INFORMING A USER ABOUT A CONDITION OF HUMAN KERATINOUS
(21) EP17777882.6	(21) EP21168558.1	(73) L'Oreal
(47) 05.10.2022	(47) 05.10.2022	EL Produce Inc.
(87) EP2017074752	(22) 15.04.2021	(72) NOMURA, Mariko
05.04.2018	(54) SWEPT SOURCE OPTICAL COHERENCE TOMOGRAPHY IMAGING SYSTEM	KAMIGORI, Akiko
(22) 29.09.2017	(73) Optos PLC	VELLEMAN, Damien
(54) A SET COMPRISING AN ENDOSCOPE AND A WORK TOOL UNIT	(72) Preciado, Miguel Angel	FLAMENT, Frédéric
(73) Ambu A/S	Varughese Chacko, Lijo	IDE, Hiroaki
(72) JENSEN, Thomas, Bachgaard	(31) 20171060	ISSHIKI, Konomi
(31) PA201670777	(32) 23.04.2020	TANAKA, Fumihisa
(32) 30.09.2016	(33) European Patent Office (EPO)	URAGAMI, Sakie
(33) Denmark	(51) A61B 5/00	(31) 2016211669
(51) A61B 1/00	A61B 5/296	(32) 28.10.2016
A61B 3/113	G06F 3/01	(33) Japan
A61B 5/00	(11) EP3260044	(51) A61B 5/00
A61B 5/02	(21) EP16740011.8	G16H 15/00
A61B 17/00	(47) 05.10.2022	G16H 50/20
A61B 90/00	(87) JP2016050613	A61B 5/339
A61B 90/50	28.07.2016	A61B 5/349
G16H 40/63	(22) 12.01.2016	(11) EP2911581
G16H 20/17	(54) MYOELECTRIC SENSOR	(21) EP13821944.9
G16H 40/20	(73) Nipro Corporation	(47) 05.10.2022
G02B 27/01	Harada Electronics Industry Co., Ltd.	(87) IB2013059497
(11) EP3200109	(72) TADANO, Shigeru	01.05.2014
(21) EP17158920.3	SANO, Yoshihiko	(22) 21.10.2013
(47) 05.10.2022	HARADA, Masahide	(54) DIAGNOSTIC REPRESENTATION AND INTERPRETATION OF ECG LEADS ON A DIGITAL DISPLAY
(22) 13.05.2015	(31) 2015007661	(73) Koninklijke Philips N.V.
(54) HEAD-MOUNTED DISPLAY DEVICE FOR USE IN A MEDICAL FACILITY	(32) 19.01.2015	(72) GRUBE, William Douglas
(73) Fenwal, Inc.	(33) Japan	GREGG, Richard E.
(72) CORK, William H.	(51) A61B 5/00	GUINEY, Patrick
CASE, Brian	G02B 21/00	(31) 201261718905 P
KRAUSE, Kevin	G02B 21/36	(32) 26.10.2012
MIN, Kyungyoon	G02B 21/34	(33) United States of America
MOSKAL, Witold	A61B 90/25	(51) A61B 5/02
(31) 201562134658 P	(11) EP3345535	A61B 5/00
201562106312 P	(21) EP16842281.4	(11) EP3424416
201562106300 P	(47) 05.10.2022	(21) EP17778997.1
201562106296 P	(87) KR2016009719	(47) 05.10.2022
201562106317 P	09.03.2017	(87) JP2017012453
201462079628 P		

12.10.2017	20.04.2015	(73) FUJIFILM Corporation
(22) 27.03.2017	31.10.2014	(72) MORITA, Junya
(54) PULSE WAVE DETECTION DEVICE AND BIOMETRIC INFORMATION MEASUREMENT DEVICE	(33) United States of America United States of America United States of America	FUKUDA, Wataru
(73) Omron Healthcare Co., Ltd.	(51) A61B 5/15	(31) 2018120295
(72) FUJITA Reiji	A61B 5/151	(32) 25.06.2018
(31) 2016075966	(11) EP3875027	(33) Japan
(32) 05.04.2016	(21) EP21160784.1	(51) A61B 6/03
(33) Japan	(47) 05.10.2022	A61B 6/00
(51) A61B 5/021	(22) 04.03.2021	(11) EP3912558
(11) EP3328271	(54) BLOOD LANCET	(21) EP20189543.0
(21) EP16757829.3	(73) Tianjin Huahong Technology Co., Ltd.	(47) 05.10.2022
(47) 05.10.2022	(72) ZHANG, Libo	(22) 05.08.2020
(87) EP2016068334	CUI, Chengzhe	(54) STROKE DIAGNOSIS APPARATUS BASED ON AI (ARTIFICIAL INTELLIGENCE) AND METHOD
09.02.2017	(31) 202010142604	(73) HEURON CO., LTD.
(22) 01.08.2016	(32) 04.03.2020	(72) KIM, Dohyun
(54) METHOD FOR NONINVASIVELY DETERMINING VITAL PARAMETERS OF A LIVING ORGANISM	(33) China	SONG, Soo Hwa
(73) Kenkou GmbH	(51) A61B 6/00	JUNG, Sumin
(72) Redtel, Heiko	G01N 23/04	LEE, Jin Soo
(31) 102015009721	G06T 7/00	LEE, Seong Joon
102015009722	A61B 6/03	(31) 20200061088
(32) 31.07.2015	A61B 6/08	(32) 21.05.2020
31.07.2015	(11) EP3073928	(33) Korea (Republic)
(33) Germany	(21) EP14865068.2	(51) A61B 8/08
Germany	(47) 05.10.2022	A61B 8/14
(51) A61B 5/05	(87) FI2014050938	(11) EP3510937
(11) EP2575610	04.06.2015	(21) EP17848370.7
(21) EP11787515.3	(22) 01.12.2014	(47) 05.10.2022
(47) 05.10.2022	(54) POSITIONING OF PARTIAL VOLUMES OF AN ANATOMY	(87) JP2017020825
(87) US2011038391	(73) Planmed OY	15.03.2018
01.12.2011	(72) MALM, Juhamatti	(22) 05.06.2017
(22) 27.05.2011	LAUKKANEN, Tapio	(54) ULTRASONIC DIAGNOSIS DEVICE AND OPERATION METHOD THEREFOR
(54) INSERTION GUIDANCE SYSTEM FOR NEEDLES AND MEDICAL COMPONENTS	(31) 20130362	(73) FUJIFILM Healthcare Corporation
(73) C. R. Bard, Inc.	(32) 29.11.2013	(72) TOYOMURA, Takashi
(72) BURNSIDE, Eddie, K.	(33) Finland	NOGUCHI, Yoshimi
POWERS, Kelly, B.	(51) A61B 6/00	TAKANOHASHI, Kenta
MESSERLY, Shayne	G06T 5/00	INOUE, Nobuyasu
JHO, Jiaye, Z.	(11) EP3644855	(31) 2016176590
HAMATAKE, Bret	(21) EP18734789.3	(32) 09.09.2016
(31) 349771 P	(47) 05.10.2022	(33) Japan
(32) 28.05.2010	(87) EP2018067005	(51) A61B 8/12
(33) United States of America	03.01.2019	A61B 8/08
(51) A61B 5/055	(22) 26.06.2018	A61B 5/00
G01R 33/28	(54) IMAGE CONTRAST ENHANCEMENT OF AN X-RAY IMAGE	(11) EP2832301
(11) EP3212080	(73) Koninklijke Philips N.V.	(21) EP13768700.0
(21) EP15855779.3	(72) HOORNAERT, Bart, Pierre, Antoine, Jozef	(47) 05.10.2022
(47) 05.10.2022	FLORENT, Raoul	(87) JP2013002005
(87) US2015058184	LEVRIER, Claire	03.10.2013
06.05.2016	GEVERS, Bernardus, Marius, Hubertus	(22) 25.03.2013
(22) 30.10.2015	(31) 17305821	(54) PROBE AND DIAGNOSTIC IMAGING DEVICE
(54) MAGNETIC RESONANCE IMAGING PATIENT TEMPERATURE MONITORING SYSTEM AND RELATED METHODS	(32) 29.06.2017	(73) Terumo Kabushiki Kaisha
(73) Rttthermal, LLC	(33) European Patent Office (EPO)	(72) KANEKO, Kenji
(72) WATTS, Raymond C.	(51) A61B 6/02	(31) 2012072857
BLACKLER, III, Stephen F.	A61B 6/00	(32) 28.03.2012
DEKINGA, Jack A.	G06T 7/00	(33) Japan
KUMLER, James J.	G06T 11/00	(51) A61B 10/02
(31) 201562208070 P	G06T 7/246	A61B 5/00
201562149903 P	(11) EP3586750	A61B 5/06
201462073311 P	(21) EP19177105.4	A61B 10/00
(32) 21.08.2015	(47) 05.10.2022	(11) EP3179921
	(22) 28.05.2019	(21) EP15832136.4
	(54) IMAGING CONTROL DEVICE, IMAGING CONTROL METHOD, AND IMAGING CONTROL PROGRAM	(47) 05.10.2022
		(87) US2015044469
		18.02.2016

- (22) 10.08.2015  
(54) FINE NEEDLE ELASTOGRAPHY DEVICE AND SYSTEM FOR THE MEASUREMENT OF MATERIAL PROPERTIES  
(73) The Regents of the University of California  
Gimzewski, James K.  
Sharma, Shivani  
Wilkinson, Paul R.  
Ragavendra, Nagesh  
Rao, Jianyu  
Wickramaratne, M. Dayan J.  
(72) GIMZEWSKI, James K.  
SHARMA, Shivani  
WILKINSON, Paul R.  
RAGAVENDRA, Nagesh  
RAO, JianYu  
WICKRAMARATNE, M. Dayan J.  
(31) 201462035976 P  
(32) 11.08.2014  
(33) United States of America  
(51) A61B 17/00  
A61B 17/29  
B05C 17/005  
B43M 11/06  
(11) EP3698724  
(21) EP19190741.9  
(47) 05.10.2022  
(22) 08.08.2019  
(54) HAND-HELD ADHESIVE DELIVER APPARATUS  
(73) GeneJet Biotech Co., Ltd.  
(72) CHU, Fa-Ter  
LIN, Ing-Yuan  
CHEN, Ching-Yi  
LIN, Wen-Yang  
WENG, Chin-Yu  
SHEEN, Ming-En  
(31) 201916281758  
(32) 21.02.2019  
(33) United States of America  
(51) A61B 17/068  
A61B 17/29  
A61B 90/00  
(11) EP2967699  
(21) EP14709081.5  
(47) 05.10.2022  
(87) US2014017551  
02.10.2014  
(22) 21.02.2014  
(54) POWER ASSIST DEVICE FOR A SURGICAL INSTRUMENT  
(73) C.R. Bard, Inc.  
(72) RANUCCI, Kevin, J.  
CAULDWELL, Nathan, Stewart  
FELIX, Augustus  
(31) 201313804043  
(32) 14.03.2013  
(33) United States of America  
(51) A61B 17/12  
(11) EP3456272  
(21) EP18188376.0  
(47) 05.10.2022  
(22) 10.02.2017  
(54) DEVICES FOR VASCULAR OCCLUSION  
(73) Microvention, Inc.  
(72) SHIMIZU, Jared  
BOWMAN, Heath  
LAM, Kiet  
RETAREKAR, Rohini  
MORANO, Maria  
CORTEZ, Rogelio  
(31) 201662293710 P  
(32) 10.02.2016  
(33) United States of America  
(51) A61B 17/12  
A61B 90/00  
(11) EP3668417  
(21) EP18760183.6  
(47) 05.10.2022  
(87) US2018046263  
21.02.2019  
(22) 10.08.2018  
(54) FLOW ATTENUATION DEVICE  
(73) Arissa Medical, Inc.  
(72) LE, Be, Thi  
CHO, Tae, Hee  
VELASCO, Regina, Coeli  
GARZA, Armando  
(31) 201762546809 P  
(32) 17.08.2017  
(33) United States of America  
(51) A61B 17/12  
A61F 2/01  
A61M 25/10  
(11) EP2805515  
(21) EP13738839.3  
(47) 05.10.2022  
(87) US2013021734  
25.07.2013  
(22) 16.01.2013  
(54) AORTIC ARCH FILTRATION SYSTEM FOR CAROTID ARTERY PROTECTION  
(73) Lumen Biomedical, Inc.  
(72) GANESAN, Kavitha  
OGLE, Matthew, F.  
(31) 201261661643 P  
201261587413 P  
(32) 19.06.2012  
17.01.2012  
(33) United States of America  
United States of America  
(51) A61B 17/16  
(11) EP3912570  
(21) EP21177604.2  
(47) 05.10.2022  
(22) 24.01.2018  
(54) A SURGICAL ROTATIONAL CUTTING TOOL  
(73) DePuy Ireland Unlimited Company  
(72) BIRKBECK, Alec  
DUTTON, Graeme  
HORNE, David  
MAACK, Thomas  
PATNELLI, Richard  
(31) 201702404  
(32) 14.02.2017  
(33) United Kingdom  
(51) A61B 17/16  
A61B 17/17  
A61B 17/72  
A61B 17/80  
(11) EP3476319  
(21) EP18202235.0  
(47) 05.10.2022  
(22) 24.10.2018  
(54) IMPLANT WITH INTRAMEDULLARY PORTION AND OFFSET EXTRAMEDULLARY PORTION  
(73) Wright Medical Technology, Inc.  
(72) MULLER, Erin  
LEITHER, Andy J.  
KAY, David B.  
DEN HARTOG, Bryan D.  
PERERA, Anthony  
PRASAD, Priya  
LOWERY, Gary W.  
WOODARD, Joseph Ryan  
(31) 201816162502  
201762578046 P  
(32) 17.10.2018  
27.10.2017  
(33) United States of America  
United States of America  
(51) A61B 17/16  
A61B 50/30  
A61F 2/42  
A61B 17/17  
A61F 2/46  
(11) EP3914166  
(21) EP20722294.4  
(47) 05.10.2022  
(87) EP2020061558  
19.11.2020  
(22) 24.04.2020  
(54) A SET OF TOOLS FOR INSTALLING AN IMPLANT  
(73) LOCI Orthopaedics Limited  
(72) CLARKE, Gerry  
MANGAN, Fiona  
STOCKMANS, Filip  
WEISS, Arnold-Peter C.  
LADD, Amy L.  
BOLAND, Brendan  
(31) 201962847689 P  
(32) 14.05.2019  
(33) United States of America  
(51) A61B 17/32  
(11) EP3536255  
(21) EP19161227.4  
(47) 05.10.2022  
(22) 07.03.2019  
(54) ADJUSTMENT OF COMPLEX IMPEDANCE TO COMPENSATE FOR LOST POWER IN AN ARTICULATING ULTRASONIC DEVICE  
(73) Ethicon LLC  
(72) ROCKMAN, Maxwell T.  
BISHOP, Gregory G.  
(31) 201816144418  
201816144383  
201816115214  
201862640415 P  
201862640417 P  
(32) 27.09.2018  
27.09.2018  
28.08.2018  
08.03.2018  
08.03.2018  
(33) United States of America  
United States of America  
United States of America

United States of America	(54) DEVICES TO PREVENT JOINT	15.02.2018
United States of America	INSTABILITY FOLLOWING	(22) 07.08.2017
(51) A61B 17/32	ARTHROPLASTY	(54) ELECTROSURGICAL SYSTEM
A61B 17/295	(73) Exactech, Inc.	COMPRISING A MEASURING UNIT
A61B 17/00	(72) ANGIBAUD, Laurent	(73) Olympus Winter & Ibe GmbH
A61B 18/14	(31) 201662372487 P	(72) FÄHSING, Thomas
A61B 34/30	(32) 09.08.2016	(31) 102016214704
(11) EP3238644	(33) United States of America	(32) 08.08.2016
(21) EP17162152.7	(51) A61B 17/56	(33) Germany
(47) 05.10.2022	B25B 23/14	(51) A61B 18/12
(22) 18.02.2014	A61B 90/00	A61B 18/14
(54) ROBOTIC ULTRASONIC SURGICAL	B25B 23/142	A61B 18/00
DEVICE WITH ARTICULATING END	A61B 17/88	A61B 17/00
EFFECTOR	(11) EP3125791	A61B 1/005
(73) Cilag GmbH International	(21) EP15774360.0	(11) EP3799816
(72) PARIHAR, Shailendra K.	(47) 05.10.2022	(21) EP20210764.5
STULEN, Foster B.	(87) US2015023147	(47) 05.10.2022
(31) 201313798766	08.10.2015	(22) 06.08.2009
(32) 13.03.2013	(22) 27.03.2015	(54) TREATMENT INSTRUMENT FOR
(33) United States of America	(54) FORTIFIED HIGH TORQUE DEVICE	ENDSCOPE
(51) A61B 17/3207	(73) ECA Medical Instruments Inc.	(73) Olympus Corporation
A61B 17/34	(72) NINO, John	Yahagi, Naohisa
A61B 17/32	IVINSON, David	(72) SUZUKI, Tetsu
A61B 17/22	(31) 201461973657 P	YAHAGI, Naohisa
(11) EP3554400	201461973624 P	(31) 2008208715
(21) EP17822176.8	(32) 01.04.2014	(32) 13.08.2008
(47) 05.10.2022	01.04.2014	(33) Japan
(87) EP2017081412	(33) United States of America	(51) A61B 18/12
21.06.2018	United States of America	A61B 18/14
(22) 04.12.2017	(51) A61B 17/88	A61B 34/20
(54) ROTARY DEBULKING ATHERECTOMY	A61B 17/70	A61B 18/00
DEVICE WITH A CROSSING BALLOON	(11) EP3824832	(11) EP3884895
(73) Cardinal Health Switzerland 515 GmbH	(21) EP20206137.0	(21) EP21174434.7
(72) KELLY, William David	(47) 05.10.2022	(47) 05.10.2022
(31) 201662435309 P	(22) 06.11.2020	(22) 29.11.2017
(32) 16.12.2016	(54) ANTERIOR TETHER TENSIONER	(54) ELECTROPORATION SYSTEMS
(33) United States of America	(73) K2M, Inc.	AND CATHETERS FOR
(51) A61B 17/34	(72) KUNES, Brian	ELECTROPORATION SYSTEMS
A61B 17/42	HOLLINS, Stacy	(73) St. Jude Medical, Cardiology Division,
(11) EP3498204	BLAKEMORE, Laurel	Inc.
(21) EP19152405.7	HSU, Brian	(72) BYRD, Israel A.
(47) 05.10.2022	FERGUSON, John	FISH, Jeffrey M.
(22) 14.08.2015	(31) 201962932894 P	SCHWEITZER, Jeffrey A.
(54) NATURAL ORIFICE SURGERY	(32) 08.11.2019	POTTER, Daniel J.
SYSTEM	(33) United States of America	OLSON, Gregory K.
(73) Applied Medical Resources Corporation	(51) A61B 18/02	WITTKAMPF, Frederik H.
(72) WACHLI, Serene	(11) EP3777737	VAN ES, Rene
BRESLIN, Tracy	(21) EP19785353.4	(31) 201662431735 P
SHEEHAN, Alexander	(47) 05.10.2022	201662427195 P
POULSEN, Nikolai	(87) CN2019082540	201662427190 P
(31) 201462038082 P	17.10.2019	(32) 08.12.2016
(32) 15.08.2014	(22) 12.04.2019	29.11.2016
(33) United States of America	(54) CRYOABLATION CATHETER,	29.11.2016
(51) A61B 17/56	CRYOABLATION OPERATING	(33) United States of America
A61B 17/58	APPARATUS AND CRYOABLATION	United States of America
A61B 17/60	EQUIPMENT	United States of America
A61B 5/03	(73) Piedmont Medsystems (Zhuhai) Co., Ltd.	(51) A61B 18/12
A61B 5/11	(72) XIAO, Jiahua	A61B 18/14
A61F 2/38	DE LA RAMA, Alan	A61N 1/08
A61F 2/40	HATA, Cary Kunihiko	A61N 1/362
A61F 2/46	(31) 201810330832	A61N 1/372
(11) EP3496635	(32) 13.04.2018	A61N 1/39
(21) EP17840211.1	(33) China	(11) EP2456516
(47) 05.10.2022	(51) A61B 18/12	(21) EP10802858.0
(87) US2017046099	(11) EP3496638	(47) 05.10.2022
15.02.2018	(21) EP17748796.4	(87) US2010042767
(22) 09.08.2017	(47) 05.10.2022	27.01.2011
	(87) EP2017069968	(22) 21.07.2010



(54) MAGNETIC SWITCHING DEVICE WITH A SWITCH FORMED BY AN ELECTROCAUTERY PEN	15.01.2015 30.06.2014 17.03.2014	(33) Germany
(73) Cardiac Lead Technologies, LLC	17.03.2014	(51) A61C 1/10
(72) CHOE, William Yoon, Sang, Won	17.03.2014 17.03.2014	A61C 1/12 A61C 1/14 A61B 17/16
(31) 227351 P	17.03.2014	(11) EP3856071
(32) 21.07.2009		(21) EP19778951.4
(33) United States of America	(33) United States of America	(47) 05.10.2022
(51) A61B 18/14	United States of America	(87) EP2019075785
A61M 25/01	United States of America	02.04.2020
A61B 18/00	United States of America	(22) 25.09.2019
A61B 90/00	United States of America	(54) DENTAL OR SURGICAL HANDPIECE HAVING AN RFID TRANSPONDER
A61M 25/00	United States of America	(73) KaVo Dental GmbH
A61B 18/16	United States of America	(72) SAUTER, Johannes STEMPFLE, Johann
(11) EP3492035	(51) A61B 90/00	(31) 102018123694
(21) EP19152096.4	F16B 2/12	(32) 26.09.2018
(47) 05.10.2022	A61B 34/20	(33) Germany
(22) 03.02.2015	A61B 17/00	(51) A61C 7/00
(54) ELONGATE MEDICAL DEVICE INCLUDING CHAMFERED RING ELECTRODE AND VARIABLE SHAFT	(11) EP3008349	A61C 13/00 A61C 13/097
(73) St. Jude Medical, Cardiology Division, Inc.	(21) EP14739361.5	(11) EP3801361
(72) HELGESON, Zachary Lee HOUCK, Alexander Carson HER, John Son GONZALEZ, Salome A. MOM, Somally MONAHAN, Brian Michael HAWKINSON, Neil David NIGG, James Reginald MARRS, James Clayton KHIEU, Xuan Yen TEGG, Troy Terrance LAFAVOR, Jill BYRD, Israel A.	(47) 05.10.2022 (87) EP2014062424 18.12.2014 (22) 13.06.2014 (54) ADAPTER FOR RECEIVING A MEDICAL TECHNICAL DEVICE AND A POSITION DETECTING SYSTEM (73) Stryker European Operations Limited (72) REUTTER, Andreas ÖZBEK, Christopher KOSMECKI, Bartosz (31) 102013211055 (32) 13.06.2013 (33) Germany	(21) EP19731102.0 (47) 05.10.2022 (87) US2019034844 05.12.2019 (22) 31.05.2019 (54) METHODS OF DIGITALLY DESIGNING ARTIFICIAL TEETH (73) DENTSPLY SIRONA Inc. (72) HASAN, Md Abu STUPPLEBEEN, Robert K. (31) 201862679093 P (32) 01.06.2018 (33) United States of America
(31) 201461936677 P	(51) A61C 1/00	(51) A61C 7/10
(32) 06.02.2014	(11) EP3509530	(11) EP3747393
(33) United States of America	(21) EP17780919.1	(21) EP20178065.7
(51) A61B 34/30	(47) 05.10.2022	(47) 05.10.2022
A61B 46/10	(87) US2017050215	(22) 03.06.2020
A61B 17/00	15.03.2018	(54) ORTHODONTIC EXPANSION SCREW
A61B 90/00	(22) 06.09.2017	(73) Bernhard Förster GmbH
(11) EP3581138	(54) DENTAL DEVICE WITH LOAD- RESPONSIVE MOTOR CONTROL	(72) Regelmann, Michael
(21) EP19188212.5	(73) Dentsply Sirona Inc.	(31) 102019115019
(47) 05.10.2022	(72) FAYER, Jay A. MICHEL, Ignacio REAGAN, Joseph R. LINT, Kevin KILE, Jeremy BEANE, Bret	(32) 04.06.2019 (33) Germany
(22) 17.03.2015	(31) 201662414221 P	(51) A61C 8/00
(54) LATCH TO SECURE TELEOPERATED SURGICAL INSTRUMENT TO ACTUATOR	201662384468 P	(11) EP3656346
(73) Intuitive Surgical Operations Inc.	(32) 28.10.2016	(21) EP17918418.9
(72) DACHS II, Gregory W. SCHENA, Bruce Michael ALDEN, Donald DONLON, Edward P. HARRINGTON, Scott TSUJI, Craig BURBANK, William B.	07.09.2016 (33) United States of America United States of America	(47) 05.10.2022 (87) BR2017050231 24.01.2019 (22) 16.08.2017 (54) DENTAL IMPLANT (73) JJGC INDÚSTRIA E COMÉRCIO DE MATERIAIS DENTÁRIOS S.A.
(31) 201562104306 P	(51) A61C 1/08	(72) THOMÉ, Geninho MERTIN, Felix Andreas CALIXTO SALATTI, Rafael
201562103991 P	(11) EP2305163	(31) 102017015490
201462019318 P	(21) EP10183458.8	(32) 19.07.2017
201461954571 P	(47) 05.10.2022	(33) Brazil
201461954595 P	(22) 30.09.2010	(51) A61C 8/00
201461954502 P	(54) Lighting device for a dental handpiece	A61C 1/08
201461954497 P	(73) Sirona Dental Systems GmbH	(11) EP3242625
201461954557 P	(72) Rein, Matthias Müller, Steffen	(21) EP15813890.9
(32) 16.01.2015	(31) 102009045175 (32) 30.09.2009	

(47) 05.10.2022	23.10.2014	INCISION USING A MULTI-STAGE
(87) EP2015081201	17.10.2014	COMPRESSION SLEEVE
14.07.2016	(33) Denmark	(73) Placik, Otto, J.
(22) 23.12.2015	United States of America	Pensler, Jay
(54) SYSTEM WITH DENTAL IMPLANT	United States of America	(72) Placik, Otto, J.
FOR REDUCING LOSSES OF DENTAL	(51) A61F 2/01	Pensler, Jay
IMPLANTS OR DENTAL PROSTHESES	(11) EP3068337	(31) 201414536544
(73) Scherer, Johannes	(21) EP14815490.9	(32) 07.11.2014
(72) Scherer, Johannes	(47) 05.10.2022	(33) United States of America
(31) 102015100117	(87) US2014065514	(51) A61F 2/26
(32) 07.01.2015	21.05.2015	(11) EP3203933
(33) Germany	(22) 13.11.2014	(21) EP15848268.7
(51) A61C 13/00	(54) GALVANICALLY ASSISTED	(47) 05.10.2022
(11) EP3220850	ATTACHMENT OF MEDICAL DEVICES	(87) SE2015051059
(21) EP15816092.9	TO THROMBUS	14.04.2016
(47) 05.10.2022	(73) Covidien LP	(22) 06.10.2015
(87) EP2015077183	(72) DAVIDSON, James	(54) PROSTHETIC FOOT DEVICE
26.05.2016	(31) 201361903518 P	(73) C Lindhextend AB
(22) 20.11.2015	(32) 13.11.2013	(72) LINDHE, Christoffer
(54) METHOD FOR POSITIONING A	(33) United States of America	(31) 1451220
SEMIFINISHED PRODUCT	(51) A61F 2/07	(32) 10.10.2014
(73) Merz Dental GmbH	A61F 2/848	(33) Sweden
(72) BOROWSKI, Christian	(11) EP3064172	(51) A61F 2/95
(31) 102014117109	(21) EP14858484.0	(11) EP3934589
(32) 21.11.2014	(47) 05.10.2022	(21) EP21708701.4
(33) Germany	(87) CN2014089968	(47) 05.10.2022
(51) A61C 13/00	07.05.2015	(87) EP2021055640
A61C 13/083	(22) 31.10.2014	30.09.2021
(11) EP3563796	(54) COATED STENT GRAFT	(22) 05.03.2021
(21) EP18170105.3	(73) Shanghai MicroPort Endovascular	(54) STENT DELIVERY SYSTEM AND
(47) 05.10.2022	MedTech (Group) Co., Ltd.	HANDLING DEVICE FOR A STENT
(22) 30.04.2018	(72) LI, Zhonghua	DELIVERY SYSTEM
(54) SYSTEM FROM DENTAL	ZHU, Qing	(73) B. Braun Melsungen AG
RESTORATION ELEMENT(S) AND	WANG, Liwen	(72) MURPHY, Brian
COOLING DEVICE AND METHOD	XING, Zhikai	(31) 20165753
(73) Ivoclar Vivadent AG	ZHU, Yongfeng	(32) 26.03.2020
(72) Senti, Theresa	YAN, Dongmei	(33) European Patent Office (EPO)
Ott, Katja	(31) 201310534126	(51) A61F 5/01
Jussel, Rudolf	(32) 31.10.2013	(11) EP3876878
Rothbrust, Frank	(33) China	(21) EP19820824.1
Arnold, Lars	(51) A61F 2/07	(47) 05.10.2022
Lerch, Stefan	A61F 2/852	(87) FR2019052615
(51) A61C 19/045	(11) EP3398564	14.05.2020
(11) EP3698754	(21) EP16881091.9	(22) 05.11.2019
(21) EP19020077.4	(47) 05.10.2022	(54) FLEXIBLE ORTHOSIS FOR WRIST
(47) 05.10.2022	(87) CN2016111686	(73) Millet Innovation
(22) 19.02.2019	06.07.2017	(72) TREPIER-LE BELLER, Maria Luisa
(54) METHOD FOR MEASURING PATIENT-	(22) 23.12.2016	(31) 1860254
SPECIFIC TEMPOROMANDIBULAR	(54) LUMINAL STENT	(32) 07.11.2018
JOINT RELATION AND	(73) Lifetech Scientific (Shenzhen) Co., Ltd.	(33) France
TRANSFERRING IT INTO A VIRTUAL	(72) XIAO, Benhao	(51) A61F 9/00
ARTICULATOR	ZHANG, Deyuan	(11) EP3393412
(73) DENTSPLY SIRONA Inc.	SHU, Chang	(21) EP16820191.1
SIRONA Dental Systems GmbH	WANG, Yifei	(47) 05.10.2022
(72) Rößler, Friedemann	(31) 201511027977	(87) EP2016080763
Rücker, Johannes	(32) 30.12.2015	29.06.2017
(51) A61F 2/00	(33) China	(22) 13.12.2016
(11) EP3009101	(51) A61F 2/12	(54) OCULAR IMPLANT SYSTEMS
(21) EP15189759.2	A61F 2/00	(73) iSTAR Medical
(47) 05.10.2022	(11) EP3215057	(72) VANDIEST, Nicolas
(22) 14.10.2015	(21) EP15857846.8	DE MARCO, Emiliano
(54) CONNECTOR CUFF	(47) 05.10.2022	ROY, Cecile
(73) Coloplast A/S	(87) US2015046452	(31) 15202724
(72) TAYLOR, Jeffrey Brian	12.05.2016	(32) 24.12.2015
(31) 201470688	(22) 24.08.2015	(33) European Patent Office (EPO)
201414521475	(54) SYSTEM FOR INSERTING A	(51) A61F 9/007
201462065011 P	PLIABLE IMPLANT THROUGH AN	A61B 34/00
(32) 12.11.2014		

A61B 34/30	(54) DEVICE AND METHOD FOR	(32) 30.08.2017
A61B 90/00	CONTROLLING THE MOVEMENT OF	(33) Japan
G01L 5/166	AN OCULAR THERAPY APPARATUS	(51) A61G 5/06
A61B 17/00	INCLUDING AN ARTICULATED	B62D 55/075
G01L 1/24	SUPPORT ARM	A61G 5/04
(11) EP3148472	(73) Keranova	A61G 5/10
(21) EP15798981.5	(72) BOULAROT, Nicolas	B60N 2/39
(47) 05.10.2022	ROMANO, Fabrizio	B62D 55/02
(87) US2015033322	(31) 1850578	B62D 55/065
03.12.2015	(32) 25.01.2018	B62D 55/084
(22) 29.05.2015	(33) France	(11) EP3345811
(54) MULTI-FORCE SENSING INSTRUMENT	(51) A61F 13/511	(21) EP16840937.3
FOR ROBOTIC SURGICAL SYSTEMS	A61F 13/534	(47) 05.10.2022
(73) The Johns Hopkins University	A61F 13/15	(87) IB2016055191
(72) HE, Xingchi	B29C 65/00	09.03.2017
IORDACHITA, Iulian	B32B 38/06	(22) 31.08.2016
BALICKI, Marcin	(11) EP3203961	(54) WALKING MECHANISM AND
TAYLOR, Russell H.	(21) EP15766312.1	ELECTRIC POWER-ASSISTED
(31) 201414292361	(47) 05.10.2022	VEHICLE AND TOY EQUIPPED WITH
(32) 30.05.2014	(87) US2015048361	SAME
(33) United States of America	17.03.2016	(73) B-Free Limited
(51) A61F 9/008	(22) 03.09.2015	(72) LEE, Siu Lun
(11) EP3490513	(54) APPARATUS HAVING FORMING	(31) 201510555652
(21) EP17749413.5	MEMBERS WITH SURFACE TEXTURE	(32) 01.09.2015
(47) 05.10.2022	FOR MAKING NONWOVEN MATERIAL	(33) China
(87) EP2017068892	HAVING DISCRETE THREE-	(51) A61G 5/08
01.02.2018	DIMENSIONAL DEFORMATIONS WITH	A61G 5/10
(22) 26.07.2017	WIDE BASE OPENINGS	(11) EP3463239
(54) OPHTHALMOLOGICAL LASER	(73) The Procter & Gamble Company	(21) EP17724569.3
THERAPY WITH TRACKING SYSTEM	(72) STRUBE, John Brian	(47) 05.10.2022
(73) Carl Zeiss Meditec AG	ORR, Jill Marlene	(87) EP2017062214
(72) RILL, Michael Stefan	KNAPMEYER, James Terry	30.11.2017
BERGT, Michael	(31) 201462049388 P	(22) 22.05.2017
(31) 102016214087	(32) 12.09.2014	(54) MOBILITY AID
(32) 29.07.2016	(33) United States of America	(73) Otto Bock Mobility Solutions GmbH
(33) Germany	(51) A61F 13/534	(72) HILDEBRAND, Dmitrij
(51) A61F 9/008	A61F 13/15	DÖRING, Florian
A61B 18/20	A61F 13/53	(31) 102016109755
A61B 18/22	A61F 13/535	(32) 26.05.2016
G02B 6/02	A61F 13/532	(33) Germany
(11) EP3743025	A61F 13/531	(51) A61G 7/10
(21) EP19701127.3	(11) EP3357470	A61G 7/14
(47) 05.10.2022	(21) EP16850892.7	(11) EP3220872
(87) EP2019051872	(47) 05.10.2022	(21) EP15861570.8
01.08.2019	(87) JP2016072989	(47) 05.10.2022
(22) 25.01.2019	06.04.2017	(87) CA2015051200
(54) APPARATUS FOR CUTTING A HUMAN	(22) 04.08.2016	26.05.2016
OR ANIMAL TISSUE COMPRISING AN	(54) ABSORBENT ARTICLE AND METHOD	(22) 17.11.2015
OPTICAL COUPLER	FOR PRODUCING SAME	(54) CEILING LIFT TILT MANAGEMENT
(73) Keranova	(73) Daio Paper Corporation	SYSTEM
(72) NADOLNY, Sylvie	(72) MANABE, Sadanao	(73) Arjohuntleigh Magog Inc.
BAUBEAU, Emmanuel	HAYASHI, Akifumi	(72) BRULOTTE, Denis-Alexandre
(31) 1850577	(31) 2015194544	FAUCHER, Martin
(32) 25.01.2018	(32) 30.09.2015	BOSSÉ, Joel
(33) France	(33) Japan	(31) 201462080843 P
(51) A61F 9/008	(51) A61F 13/534	(32) 17.11.2014
A61B 90/50	A61F 13/536	(33) United States of America
A61F 9/009	A61F 13/511	(51) A61J 1/20
A61B 18/20	(11) EP3677234	A61J 1/10
A61B 90/00	(21) EP18850566.3	(11) EP3569217
A61B 18/22	(47) 05.10.2022	(21) EP19183618.8
A61B 34/30	(87) JP2018032106	(47) 05.10.2022
(11) EP3743006	07.03.2019	(22) 09.04.2003
(21) EP19701128.1	(22) 30.08.2018	(54) DEVICE FOR FLUID TRANSFER IN AN
(47) 05.10.2022	(54) ABSORBENT ARTICLE	INFUSION SYSTEM
(87) EP2019051876	(73) Daio Paper Corporation	(73) Carmel Pharma AB
01.08.2019	(72) TAGOMORI, Junta	(72) Akerlund, Roger
(22) 25.01.2019	(31) 2017165872	Andreasson, Kjell

(31) 63386	(11) EP3558243	A61M 15/00
(32) 17.04.2002	(21) EP17826190.5	A61K 31/167
(33) United States of America	(47) 05.10.2022	A61K 31/58
(51) A61K 6/15	(87) EP2017083207	(11) EP3590499
A61K 6/887	28.06.2018	(21) EP19173102.5
(11) EP3273928	(22) 18.12.2017	(47) 05.10.2022
(21) EP16710996.6	(54) PERSONAL CARE COMPOSITIONS	(22) 19.11.2014
(47) 05.10.2022	COMPRISING POORLY SOLUBLE	(54) INHALABLE MEDICAMENTS
(87) EP2016056261	COMPOUNDS	(73) PHARMACHEMIE B.V.
29.09.2016	(73) Unilever IP Holdings B.V.	(72) VAN ACHTHOVEN, Erwin
(22) 22.03.2016	(72) LOU, Anjing	KEEGSTRA, Johan
(54) METHOD FOR PRODUCING DENTAL	QUAN, Congling	GOLLER, Michael Imre
PROSTHESES	BUHALOVA, Maria	(31) 201321717
(73) Kulzer GmbH	MOADDEL, Teanoosh	(32) 09.12.2013
(72) RUPPERT, Klaus	(31) 201662437235 P	(33) United Kingdom
HOHMANN, Alfred	(32) 21.12.2016	(51) A61K 9/16
DEKERT, Stephan	(33) United States of America	A61K 31/4709
(31) 102015104440	(51) A61K 9/00	A61K 9/00
(32) 24.03.2015	A61F 13/02	A61P 35/00
(33) Germany	A61M 37/00	A61K 9/48
(51) A61K 6/17	A61K 9/70	A61K 47/32
A61K 6/20	(11) EP3013315	A61K 9/28
A61K 6/838	(21) EP14732237.4	A61K 9/14
A61K 6/842	(47) 05.10.2022	(11) EP3582778
A61K 6/75	(87) EP2014063373	(21) EP18750591.2
(11) EP2624804	31.12.2014	(47) 05.10.2022
(21) EP11773311.3	(22) 25.06.2014	(87) IB2018000213
(47) 05.10.2022	(54) DEVICE HAVING TRANSDERMAL	16.08.2018
(87) GB2011051938	THERAPEUTIC SYSTEM,	(22) 09.02.2018
12.04.2012	POSITIONING AND PENETRATION AID	(54) COMPOSITIONS OF GALLIUM
(22) 10.10.2011	(73) LTS LOHMANN Therapie-Systeme AG	(III) COMPLEXES FOR ORAL
(54) Composition	(72) WORTMANN, Uwe	ADMINISTRATION
(73) The University Of Leeds	HADASCHIK, Roman	(73) MedMelior Inc.
The University Court Of The University	HORSTMANN, Michael	(72) RHINEBARGER, Rickey, Roy
Of St Andrews	(31) 13173554	STETSKO, Gina, G.
(72) SIBBETT, Wilson	(32) 25.06.2013	(31) 201762457712 P
BROWN, Christian Thomas Alcuin	(33) European Patent Office (EPO)	(32) 10.02.2017
JHA, Animesh	(51) A61K 9/00	(33) United States of America
MILNE, Steven John	A61K 9/08	(51) A61K 9/16
ROBINSON, Colin	A61K 9/127	A61K 35/12
DUGGAL, Mandeep Singh	A61K 9/14	A61K 35/17
TOUMBA, Kyriacos Jack	A61K 9/50	A61K 35/28
(31) 201016970	A61K 9/51	A61K 35/34
(32) 08.10.2010	A61K 39/00	A61K 35/39
(33) United Kingdom	C12N 5/0783	A61K 35/44
(51) A61K 8/24	A61K 31/519	A61L 27/54
A61Q 11/00	A61K 45/06	A61L 27/18
A61K 8/19	A61K 47/69	(11) EP3089738
(11) EP3547989	A61P 35/00	(21) EP14815852.0
(21) EP17794299.2	C07K 14/725	(47) 05.10.2022
(47) 05.10.2022	(11) EP3600250	(87) GB2014053821
(87) EP2017077778	(21) EP18772471.1	02.07.2015
07.06.2018	(47) 05.10.2022	(22) 22.12.2014
(22) 30.10.2017	(87) US2018023404	(54) MICROSPHERES FOR DELIVERY OF
(54) ORAL CARE COMPOSITION	27.09.2018	THERAPEUTIC AGENTS
(73) Unilever IP Holdings B.V.	(22) 20.03.2018	(73) UCL Business Ltd
(72) LI, Xiaoke	(54) ADOPTIVE TRANSFER OF CAR T	(72) DAY, Richard Michael
LIU, Weining	CELLS WITH SURFACE-CONJUGATED	(31) 201322869
WANG, Jinfang	DRUG-LOADED NANOPARTICLES AND	(32) 23.12.2013
(31) PCT/CN2016/107981	USES THEREOF	(33) United Kingdom
17150152	(73) University of Southern California	(51) A61K 9/48
(32) 30.11.2016	(72) WANG, Pin	A61K 9/51
03.01.2017	KIM, Yu Jeong	B01J 13/08
(33) World Intellectual Property Office (WIPO)	SIRIWON, Natnaree	(11) EP3188719
European Patent Office (EPO)	(31) 201762473594 P	(21) EP15775633.9
(51) A61K 8/44	(32) 20.03.2017	(47) 05.10.2022
A61Q 1/02	(33) United States of America	(87) EP2015070300
A61K 8/06	(51) A61K 9/00	10.03.2016

(22) 04.09.2015	A61K 33/04	A61P 25/22
(54) PROTEIN CAPSULES	A61K 33/38	(11) EP3212191
(73) Cambridge Enterprise Limited ("CE")	A61P 31/04	(21) EP15854029.4
President and Fellows of Harvard	A61P 31/02	(47) 05.10.2022
College	(11) EP3548043	(87) AU2015050673
(72) KNOWLES, Tuomas	(21) EP17832550.2	06.05.2016
SHIMANOVICH, Ulyana	(47) 05.10.2022	(22) 28.10.2015
DOBSON, Christopher	(87) IB2017001615	(54) TREATMENT FOR DEPRESSION AND
WEITZ, David	14.06.2018	DEPRESSIVE DISORDERS
(31) 201415681	(22) 05.12.2017	(73) Medlab IP Pty Ltd.
(32) 04.09.2014	(54) ANTIBIOTIC COMPOSITIONS	(72) VITETTA, Luis
(33) United Kingdom	COMPRISING SILVER IONS AND	COULSON, Samantha
(51) A61K 9/51	EBSELEN	HALL, Sean
A61K 33/38	(73) Thioredoxin Systems AB	(31) 2014904306
(11) EP3609478	(72) LU, Jun	(32) 28.10.2014
(21) EP18717561.7	ZOU, Lili	(33) Australia
(47) 05.10.2022	HOLMGREN, Arne	(51) A61K 31/506
(87) EP2018059006	(31) 201662430101 P	A61K 45/06
18.10.2018	(32) 05.12.2016	A61K 31/426
(22) 09.04.2018	(33) United States of America	A61K 31/454
(54) NANOSYSTEMS COMPRISING SILVER	(51) A61K 31/4439	A61K 31/519
AND ANTIBIOTICS AND THEIR USE	A61K 31/497	A61K 31/7088
FOR THE TREATMENT OF BACTERIAL	A61K 31/501	A61P 21/00
INFECTIONS	A61K 31/506	A61K 31/635
(73) Laboratorios Enosán, S.L.	A61P 9/00	(11) EP3432930
(72) LOSTAO CAMÓN, Luis Jesús	C07D 513/04	(21) EP17715522.3
(31) 17382196	(11) EP3262053	(47) 05.10.2022
(32) 10.04.2017	(21) EP16754682.9	(87) GB2017050824
(33) European Patent Office (EPO)	(47) 05.10.2022	28.09.2017
(51) A61K 31/10	(87) CA2016000050	(22) 23.03.2017
A61K 31/275	01.09.2016	(54) INHIBITORS OF CDK12 AND THEIR
A61P 9/04	(22) 25.02.2016	USES
A61P 17/00	(54) IMIDAZOTHIADIAZOLE COMPOUNDS	(73) The University of Nottingham
A61P 19/02	AS PAR4-INHIBITORS	(72) HAYES, Christopher James
A61P 19/08	(73) Université de Montréal	BROOK, John David
A61P 29/00	(72) BANVILLE, Jacques	KETLEY, Ami
(11) EP3664786	(31) 201562120971 P	(31) 201605126
(21) EP18844011.9	(32) 26.02.2015	(32) 24.03.2016
(47) 05.10.2022	(33) United States of America	(33) United Kingdom
(87) US2018045752	(51) A61K 31/496	(51) A61K 31/519
14.02.2019	A61K 31/454	A61K 31/4184
(22) 08.08.2018	C07D 213/75	A61K 31/437
(54) METHOD FOR TREATING	C07D 211/64	A61K 31/517
SCHNITZLER'S SYNDROME	C07D 295/192	A61K 31/52
(73) Olatec Therapeutics LLC	C07D 213/64	A61K 31/522
(72) DINARELLO, Charles, A.	A61P 35/00	A61K 31/5517
(31) 201762544617 P	(11) EP3808349	A61K 31/4985
(32) 11.08.2017	(21) EP20209314.2	A61K 39/395
(33) United States of America	(47) 05.10.2022	A61K 31/496
(51) A61K 31/405	(22) 07.08.2015	A61K 31/404
A61P 35/00	(54) COMPOUNDS AND METHODS FOR	A61P 25/00
(11) EP3681498	TREATING CANCER	A61P 25/28
(21) EP18856836.4	(73) Mayo Foundation for Medical Education	A61K 45/06
(47) 05.10.2022	and Research	C12Q 1/48
(87) US2018051088	(72) COPLAND III, John A.	G01N 33/68
21.03.2019	TUN, Han W.	(11) EP3589321
(22) 14.09.2018	CAULFIELD, Thomas R.	(21) EP18761791.5
(54) METHODS AND COMPOSITIONS FOR	VON ROEMELING, Christina	(47) 05.10.2022
THE TREATMENT OF CANCER	MARLOW, Laura Ann	(87) CN2018077909
(73) Lanckenau Institute for Medical Research	(31) 201462034429 P	07.09.2018
(72) MULLER, Alexander, J.	(32) 07.08.2014	(22) 02.03.2018
MONDAL, Arpita	(33) United States of America	(54) METHOD AND COMPOUND FOR
DEY, Souvik	(51) A61K 31/505	MODIFYING CIRCADIAN CLOCK
PRENDERGAST, George, C.	A61K 31/205	(73) Gritscience Biopharmaceuticals Co., Ltd.
(31) 201762558573 P	A61K 35/744	(72) YU, Tenghui
(32) 14.09.2017	A61K 35/745	RAO, Yi
(33) United States of America	A61K 35/747	(31) PCT/CN2017/075570
(51) A61K 31/41	A61P 25/24	(32) 03.03.2017

(33) World Intellectual Property Office (WIPO)	A61P 35/00	20.04.2017
(51) A61K 31/519	(11) EP3220928	(22) 06.10.2016
A61K 41/00	(21) EP15800768.2	(54) MUSCLE-ENHANCING AGENT
A61P 35/00	(47) 05.10.2022	(73) Kaneka Corporation
A61P 35/02	(87) EP2015077286	(72) HONDA, Shinichi
A61K 31/535	26.05.2016	YOKOTA, Shinichi
A61K 45/06	(22) 20.11.2015	OGURA, Mineko
A61K 33/24	(54) A METHOD OF OBTAINING A	KATO, Masanori
A61K 31/704	PREPARATION ENRICHMED IN	(31) 2015204255
A61K 31/69	ENGINEERED T CELLS WITH	(32) 16.10.2015
A61K 31/495	EXOGENOUS IMMUNE RECEPTORS	(33) Japan
A61K 31/454	(73) UMC Utrecht Holding B.V.	(51) A61K 38/00
A61K 31/44	(72) KUBALL, Jürgen Herbert Ernst	A61K 39/385
C07D 498/06	(31) 14194125	C07K 7/06
(11) EP3432888	(32) 20.11.2014	C07K 14/705
(21) EP17771215.5	(33) European Patent Office (EPO)	C07K 14/085
(47) 05.10.2022	(51) A61K 35/74	(11) EP3131566
(87) US2017023965	A61K 35/744	(21) EP15779171.6
28.09.2017	A61K 35/747	(47) 05.10.2022
(22) 24.03.2017	C12N 1/20	(87) US2015025700
(54) TREATMENT OF CANCER WITH TG02	A61P 1/12	22.10.2015
(73) Cothera Bioscience, Inc.	A61P 31/12	(22) 14.04.2015
(72) ESTOK, Thomas M.	(11) EP3209307	(54) BI-TERMINAL PEGYLATED INTEGRIN-
WEBER, Eckard	(21) EP15784636.1	BINDING PEPTIDES AND METHODS
PARROTT, Tracy	(47) 05.10.2022	OF USE THEREOF
(31) 201662423468 P	(87) EP2015074375	(73) The Regents of the University of
201662312712 P	28.04.2016	California
(32) 17.11.2016	(22) 21.10.2015	(72) HAUSNER, Sven H.
24.03.2016	(54) PROBIOTIC AND PREBIOTIC	SUTCLIFFE, Julie L.
(33) United States of America	COMPOSITIONS	(31) 201461979997 P
United States of America	(73) Aquilon Cyl Sociedad Limitada	(32) 15.04.2014
(51) A61K 31/55	Universidad De León	(33) United States of America
A61K 31/4535	(72) RUBIO NISTAL, Pedro Miguel	(51) A61K 38/07
A61K 31/075	CARVAJAL URUEÑA, Ana Maria	C07K 5/10
A61K 31/40	GARCÍA DÍEZ, Marta	A61P 25/04
A61K 31/138	(31) 14382412	(11) EP3442557
A61K 31/085	(32) 21.10.2014	(21) EP17782756.5
A61K 31/277	(33) European Patent Office (EPO)	(47) 05.10.2022
A61K 31/565	(51) A61K 35/747	(87) SG2017050210
A61K 31/566	A61K 8/99	19.10.2017
A61K 45/06	A61P 1/02	(22) 13.04.2017
A61P 25/00	A61Q 11/00	(54) A DRUG FORMULATION FOR USE IN
A61P 25/28	A61K 8/64	THE EFFECTIVE CONTROL OF ACUTE
(11) EP3496725	A61P 29/00	AND/OR CHRONIC PAIN
(21) EP17840377.0	A61P 31/10	(73) PVP Labs PTE. Ltd.
(47) 05.10.2022	A61P 43/00	(72) KOSORUKOV, Vyacheslav
(87) US2017046624	(11) EP3016667	Stanislavovich
15.02.2018	(21) EP14819893.0	RZHANINOV, Evgeny Stanislavovich
(22) 11.08.2017	(47) 05.10.2022	KOROBOV, Nikolai Vasilievich
(54) REMYELINATION THERAPIES	(87) CA2014050642	(31) 2016133329
(73) The Regents of the University of	08.01.2015	10201602973W
California	(22) 04.07.2014	(32) 12.08.2016
(72) BOVE, Riley	(54) PROBIOTIC BACTERIAL STRAINS FOR	14.04.2016
CHAN, Jonah	THE PREVENTION AND TREATMENT	(33) Russian Federation
GREEN, Ari	OF DISEASES IN THE ORAL CAVITY	Singapore
SHEN, Yun-An	(73) Stellar Biome Inc.	(51) A61K 38/12
RANKIN, Kelsey	(72) YUDINA, Natalia	A61K 47/36
(31) 201662430357 P	SEFEROVIC, Maxim, Daniel	A61P 31/00
201662374270 P	(31) 201361843158 P	(11) EP3528830
(32) 06.12.2016	(32) 05.07.2013	(21) EP17791037.9
12.08.2016	(33) United States of America	(47) 05.10.2022
(33) United States of America	(51) A61K 36/61	(87) EP2017076927
United States of America	A23L 33/105	26.04.2018
(51) A61K 35/17	A61P 21/00	(22) 20.10.2017
A61K 39/395	(11) EP3363449	(54) POLYMYXIN-ALGINATE OLIGOMER
G01N 33/53	(21) EP16855331.1	CONJUGATES
G01N 33/536	(47) 05.10.2022	(73) Algipharma AS
C12N 5/10	(87) JP2016079757	(72) FERGUSON, Elaine

THOMAS, David William	(72) Richardson, Peter	C12P 21/08
DESSEN, Arne	Baughman, Robert, A.	C07K 16/28
RYE, Philip	Potocka, Elizabeth	G01N 33/68
(31) 201714710	Boss, Anders Hasager	C07K 16/46
201617860	Petrucci, Richard	A61P 35/00
(32) 13.09.2017	Howard, Campbell	A61P 35/02
21.10.2016	Mann, Alfred	A61P 37/04
(33) United Kingdom	(31) 138863 P	(11) EP3789038
United Kingdom	97495 P	(21) EP20198499.4
(51) A61K 38/12	97516 P	(47) 05.10.2022
A61P 11/00	87943 P	(22) 13.05.2011
(11) EP3549596	(32) 18.12.2008	(54) HUMANIZED AND CHIMERIC
(21) EP17876506.1	16.09.2008	MONOCLONAL ANTIBODIES TO CD47
(47) 05.10.2022	16.09.2008	(73) The Board of Trustees of the Leland
(87) CN2017099249	11.08.2008	Stanford Junior University
07.06.2018	(33) United States of America	(72) LIU, Jie
(22) 28.08.2017	United States of America	WEISSMAN, Irving L.
(54) USE OF MICROCYSTINS IN	United States of America	MAJETI, Ravindra
PREPARATION OF DRUGS FOR	United States of America	(31) 39565210 P
PREVENTING OR TREATING ORGAN	(51) A61K 39/395	(32) 14.05.2010
AND TISSUE FIBROSIS DISEASES	A61K 45/00	(33) United States of America
(73) Nanjing University	A61K 47/22	(51) A61K 47/54
(72) WANG, Yaping	A61K 47/50	A61K 47/59
XU, Lizhi	A61P 35/00	A61K 47/61
WANG, Jie	C07K 16/00	A61K 47/64
ZHAO, Qingya	C07D 317/28	A61K 31/704
(31) 201710014483	C07D 405/06	A61K 47/55
201611079521	C07D 405/14	A61K 38/28
(32) 09.01.2017	(11) EP3210623	A61P 3/00
30.11.2016	(21) EP15851936.3	A61K 31/00
(33) China	(47) 05.10.2022	A61K 38/26
China	(87) JP2015079871	A61K 9/50
(51) A61K 38/17	28.04.2016	A61K 9/51
A61K 48/00	(22) 22.10.2015	A61K 47/18
A61P 3/10	(54) ANTIBODY-DRUG COMPLEX HAVING	A61K 47/34
C12N 15/86	CYCLIC BENZYLIDENE ACETAL	A61K 47/46
C07K 14/00	LINKER	A61P 35/00
(11) EP3496741	(73) NOF Corporation	A61K 9/127
(21) EP17841991.7	(72) TSUBUSAKI Takuma	A61K 9/19
(47) 05.10.2022	YAMAMOTO Yuji	A61P 43/00
(87) US2017046938	(31) 2014217466	(11) EP3223859
22.02.2018	(32) 24.10.2014	(21) EP15854949.3
(22) 15.08.2017	(33) Japan	(47) 05.10.2022
(54) NOVEL THERAPY TO ACHIEVE	(51) A61K 39/395	(87) US2015058375
GLYCEMIC CONTROL	C07K 16/28	06.05.2016
(73) Beth Israel Deaconess Medical Center,	(11) EP3193926	(22) 30.10.2015
Inc.	(21) EP15747487.5	(54) COMPOSITIONS AND METHODS FOR
(72) FERRAN, Christiane	(47) 05.10.2022	BILE ACID PARTICLES
DA SILVA, Cleide	(87) EP2015068208	(73) University of Utah Research Foundation
MELE, Alessandra	11.02.2016	(72) BAE, You, Han
(31) 201662382726 P	(22) 06.08.2015	LEE, Yong-Kyu
201662375427 P	(54) NOVEL ANTIBODIES AND USES	NURUNNABI, Md
(32) 01.09.2016	THEREOF	HWANG, Hee, Sook
15.08.2016	(73) Cantargia AB	KWAG, Dongsu
(33) United States of America	(72) ÅGERSTAM, Helena	(31) 201462073588 P
United States of America	FIORETOS, Thoas	(32) 31.10.2014
(51) A61K 38/28	JÄRÅS, Marcus	(33) United States of America
A61P 3/10	MALMBORG HAGER, Cecilia Ann-	(51) A61K 47/60
A61K 47/54	Christin	A61K 31/43
A61P 3/04	SJÖSTRÖM, Kjell	A61P 35/00
A61P 43/00	SVEDBERG, Agneta	A61P 37/06
(11) EP3207942	VON WACHENFELDT, Karin	(11) EP3082878
(21) EP16203266.8	(31) 201413913	(21) EP14871434.8
(47) 05.10.2022	(32) 06.08.2014	(47) 05.10.2022
(22) 11.08.2009	(33) United Kingdom	(87) US2014071593
(54) USE OF ULTRARAPID ACTING	(51) A61K 39/395	25.06.2015
INSULIN	C12N 5/07	(22) 19.12.2014
(73) MannKind Corporation	C12N 5/16	

(54) METHYLENE CARBAMATE LINKERS FOR USE WITH TARGETED-DRUG CONJUGATES	GRAY, Brian, D. (31) 201662317051 P (32) 01.04.2016 (33) United States of America	(21) EP17715747.6 (47) 05.10.2022 (87) EP2017058293 12.10.2017
(73) Seagen Inc.	(51) A61L 2/08 B65B 55/08	(22) 06.04.2017
(72) KOLAKOWSKI, Robert JEFFREY, Scott BURKE, Patrick	(11) EP3479848 (21) EP17200414.5 (47) 05.10.2022 (22) 07.11.2017	(54) PHOSPHOCALCIC CEMENT COMPOSITION COMPRISING BLOOD
(31) 201361918539 P (32) 19.12.2013 (33) United States of America	(47) 05.10.2022 (22) 07.11.2017	(73) Graftys Université de Nantes Centre National de la Recherche Scientifique Ecole Nationale Veterinaire, Agroalimentaire et de L'Alimentation Nantes-Atlantique
(51) A61K 47/68 A61K 31/535 A61K 31/5365 A61K 31/337 A61K 39/395 C07K 16/18 A61K 39/00 C07K 16/28 C07K 16/32	(54) SURFACE DECONTAMINATION DEVICE AND METHOD OF OPERATION	(72) BOULER, Jean-Michel GAUTHIER, Olivier BUJOLI, Bruno JANVIER, Pascal MELLIER, Charlotte
(11) EP3441088 (21) EP17779307.2 (47) 05.10.2022 (87) KR2017003508 12.10.2017 (22) 30.03.2017	(73) Metall + Plastic GmbH (72) Kleinmann, Stefan	(72) BOULER, Jean-Michel GAUTHIER, Olivier BUJOLI, Bruno JANVIER, Pascal MELLIER, Charlotte
(54) ANTIBODY-DRUG CONJUGATE COMPRISING MODIFIED ANTIBODY	(51) A61L 2/10 (11) EP3950009 (21) EP21191961.8 (47) 05.10.2022 (22) 19.02.2019	(31) 16305399 (32) 06.04.2016 (33) European Patent Office (EPO)
(73) Alteogen, Inc. (72) PARK, Soon Jae CHUNG, Hye-Shin LEE, Sunbae BYUN, Minsoo	(54) METHOD OF DESTROYING PATHOGENS	(31) 16305399 (32) 06.04.2016 (33) European Patent Office (EPO)
(31) 20160042269 (32) 06.04.2016 (33) Korea (Republic)	(73) Freestyle Partners, LLC (72) ROSEN, Jennifer K. FEENEY, Benjamin X.	(51) A61L 31/02 A61L 31/08 A61L 31/10 A61L 31/16
(51) A61K 47/68 A61P 35/00	(31) 201862694482 P 201862632716 P (32) 06.07.2018 20.02.2018 (33) United States of America United States of America	(11) EP3840792 (21) EP19752524.9 (47) 05.10.2022 (87) EP2019071832 27.02.2020
(11) EP3912643 (21) EP21176545.8 (47) 05.10.2022 (22) 02.12.2009	(51) A61L 9/12 A01M 1/20 (11) EP2896409 (21) EP14151229.3 (47) 05.10.2022 (22) 15.01.2014	(22) 14.08.2019 (54) IMPROVING THE POLYMER LAYER ON DEGRADABLE DEVICES
(54) IMMUNOCONJUGATES WITH AN INTRACELLULARLY-CLEAVABLE LINKAGE	(21) EP21191961.8 (47) 05.10.2022 (22) 15.01.2014	(73) BIOTRONIK AG (72) GÖPFERT, André (31) 18190387 (32) 23.08.2018 (33) European Patent Office (EPO)
(73) Immunomedics Inc. (72) GOVINDAN, Serengulam MOON, Sung-Ju GOLDENBERG, David M	(54) A device for diffusing a compound	(51) A61M 1/16 A61K 33/00 A61K 33/06 A61K 31/727
(31) 207890 P (32) 13.02.2009 (33) United States of America	(73) DC & BV France Holding SAS (72) HUYNH, Valey	(31) 18190387 (32) 23.08.2018 (33) European Patent Office (EPO)
(51) A61K 51/04 A61P 35/00 C07D 209/14 C07D 403/06	(51) A61L 27/18 A61L 29/06 A61L 31/06 (11) EP3833408 (21) EP19762321.8 (47) 05.10.2022 (87) EP2019071171 13.02.2020 (22) 07.08.2019	(51) A61M 1/16 A61K 33/00 A61K 33/06 A61K 31/727
(11) EP3436082 (21) EP17720596.0 (47) 05.10.2022 (87) US2017025407 05.10.2017 (22) 31.03.2017	(54) AN IMPLANTABLE BIOMATERIAL, AND METHOD OF MANUFACTURING THEREOF	(11) EP3579895 (21) EP18750598.7 (47) 05.10.2022 (87) US2018017234 16.08.2018 (22) 07.02.2018
(54) IODINATED PHENOLIC LIPIDS AND METHODS AND COSOLVENT SYSTEMS FOR THE IODINATION OF PHENOLIC LIPIDS	(73) National University of Ireland, Galway (72) SANDER, Elizabeth HICKEY, William PENDLEBURY, Robert SHARIF, Faisal MARRINAN, Brendan O'HALLORAN, Tony	(54) DIALYSIS SYSTEMS (73) Gura, Victor (72) Gura, Victor (31) 201762456056 P (32) 07.02.2017 (33) United States of America
(73) University of Cincinnati (72) QI, Xiaoyang PAK, Koon, Yan	(31) 18187715 (32) 07.08.2018 (33) European Patent Office (EPO)	(31) 201762456056 P (32) 07.02.2017 (33) United States of America
	(51) A61L 27/36 A61L 27/58 A61L 24/00 A61L 24/02 (11) EP3439708	(51) A61M 5/14 A61M 5/168 (11) EP3628345 (21) EP19190520.7 (47) 05.10.2022 (22) 07.08.2019 (54) KIT FOR MODULAR ASSEMBLY OF A MEDICAL PUMPING DEVICE AND MEDICAL PUMPING DEVICE (73) B. Braun Melsungen AG (72) Hasbeck, Karsten Kent, Alexander David Stettner, Jens



(31) 102018216508	(11) EP3811802	European Patent Office (EPO)
(32) 26.09.2018	(21) EP18923593.0	European Patent Office (EPO)
(33) Germany	(47) 05.10.2022	
(51) A61M 5/20	(87) JP2018023735	(51) A61M 16/08
A61M 5/315	26.12.2019	A61M 16/10
A61M 5/32	(22) 22.06.2018	A61M 16/18
(11) EP3397321	(54) AEROSOL GENERATING DEVICE, AND METHOD AND PROGRAM FOR OPERATING SAME	A61M 16/20
(21) EP16826078.4	(73) Japan Tobacco Inc.	A61M 16/00
(47) 05.10.2022	(72) AKAO, Takeshi	G01F 1/00
(87) EP2016082857	MIZUGUCHI, Kazuma	G01N 33/00
06.07.2017	(73) FUJITA, Hajime	(11) EP3851149
(22) 29.12.2016	(72) FUJITA, Hajime	(21) EP21150133.3
(54) AUTO INJECTOR WITH TEMPERATURE CONTROL	(51) A61M 15/06	(47) 05.10.2022
(73) Ascendis Pharma A/S	A61M 11/04	(22) 05.01.2021
(72) PEDERSEN, Per Mølgaard JENSEN, Steen	A24F 40/30	(54) ANESTHETIC AGENT METERING DEVICE AND METHOD FOR ADJUSTING ANESTHETIC AGENT CONCENTRATION
EGESBORG, Henrik	A24F 40/42	(73) Drägerwerk AG & Co. KGaA
ANDERSEN, Bjørn Knud	A24F 40/485	(72) Bartels, Uwe
(31) 16190461	A61M 16/00	Wruck, Norbert
15203168	(11) EP3496556	(31) 102020000267
(32) 23.09.2016	(21) EP17761018.5	(32) 17.01.2020
30.12.2015	(47) 05.10.2022	(33) Germany
(33) European Patent Office (EPO)	(87) EP2017070049	
European Patent Office (EPO)	15.02.2018	(51) A61M 16/16
(51) A61M 11/04	(22) 08.08.2017	A61M 16/00
A61M 15/00	(54) RECEPTACLE, CARTRIDGE, APPARATUS AND METHODS FOR GENERATING AN INHALABLE MEDIUM	(11) EP3508241
(11) EP3325063	(73) Nicoventures Trading Limited	(21) EP17845277.7
(21) EP16826928.0	(72) YILMAZ, Ugurhan	(47) 05.10.2022
(47) 05.10.2022	(31) 201613688	(87) CN2017098382
(87) AU2016050638	(32) 09.08.2016	08.03.2018
26.01.2017	(33) United Kingdom	(22) 22.08.2017
(22) 19.07.2016	(51) A61M 16/00	(54) LIQUID-STORAGE DEVICE, HUMIDIFIER, AND VENTILATOR
(54) INHALER DEVICE FOR INHALABLE LIQUIDS	(11) EP3845259	(73) BMC Medical Co., Ltd.
(73) Medical Developments International Limited	(21) EP21153565.3	(72) ZHUANG, Zhi
(72) ROWLAND, Greg	(47) 05.10.2022	(31) 201610782796
LINACRE, Edward	(22) 05.12.2017	201610782799
GILBERT, Glenn	(54) VENTILATOR APPARATUS	(32) 31.08.2016
LEGIN, Viktor	(73) imtmedical ag	31.08.2016
(31) 2015902881	(72) FRIBERG, Harri	(33) China
2015902868	VAN DER STAAY, Matthias	China
(32) 20.07.2015	(31) 201615370255	(51) A61M 25/00
20.07.2015	(32) 06.12.2016	(11) EP3744379
(33) Australia	(33) United States of America	(21) EP18902025.8
Australia	(51) A61M 16/00	(47) 05.10.2022
(51) A61M 15/00	A61M 16/14	(87) JP2018002562
(11) EP3294390	A61M 11/00	01.08.2019
(21) EP16722154.8	A61M 15/00	(22) 26.01.2018
(47) 05.10.2022	(11) EP3727536	(54) CATHETER
(87) EP2016060275	(21) EP18819134.0	(73) ASAHİ INTECC CO., LTD.
17.11.2016	(47) 05.10.2022	(72) HORI, Takayuki
(22) 09.05.2016	(87) EP2018085713	(51) A61M 25/00
(54) DRY POWDER INHALER	27.06.2019	(11) EP3744380
(73) Iconovo AB	(22) 19.12.2018	(21) EP18902697.4
(72) LASTOW, Orest	(54) CONTROL UNIT FOR USE WITH A RESPIRATORY ASSIST DEVICE	(47) 05.10.2022
(31) 1550595	(73) Koninklijke Philips N.V.	(87) JP2018002565
1550594	(72) MARGARIA, Elizabeth Powell	01.08.2019
(32) 08.05.2015	VON HOLLEN, Dirk Ernest	(22) 26.01.2018
08.05.2015	SCARBERRY, Eugene Nelson	(54) CATHETER
(33) Sweden	(31) 201762608075 P	(73) ASAHİ INTECC CO., LTD.
Sweden	18154322	(72) HORI, Takayuki
(51) A61M 15/06	17208888	(51) A61M 25/00
A24F 40/53	(32) 20.12.2017	B29C 65/48
A61M 11/00	31.01.2018	B29C 65/00
A61M 11/04	20.12.2017	C08J 7/06
A61M 16/00	(33) United States of America	(11) EP3703801
		(21) EP18807784.6

(47) 05.10.2022	NITTA Satoshi	A61B 5/24
(87) US2018058623 09.05.2019	(51) A61M 27/00 A61M 25/00	A61B 5/00 H05K 1/03
(22) 01.11.2018	(11) EP3257546	H05K 3/10
(54) METHODS OF BONDING COMPONENTS TO POLYMERIC SUBSTRATES	(21) EP17179057.9 (47) 05.10.2022 (22) 25.10.2013	(11) EP3416721 (21) EP17710129.2 (47) 05.10.2022
(73) Hollister Incorporated	(54) METHOD OF PREPARING A READY- TO-USE URINARY CATHETER	(87) EP2017053485 24.08.2017
(72) MONTES DE OCA BALDERAS, Horacio CASEY, Eamonn MCKENNA, Claire O'MAHONY, John P.	(73) Teleflex Life Sciences Pte. Ltd. (72) SCHØNFELDT, Lars (31) 201270662 (32) 26.10.2012 (33) Denmark	(22) 16.02.2017 (54) IMPLANTABLE LEAD FOR ELECTRICAL STIMULATION AND/ OR FOR COLLECTING ELECTRICAL POTENTIALS ON AN ORGAN, INCORPORATING A PASSIVE COMPONENT FUNCTION
(31) 201762581427 P (32) 03.11.2017 (33) United States of America	(51) A61N 1/05 A61M 25/00 A61B 90/00	(73) Sorin CRM SAS (72) RAULT, Maxime LE GOUSSE, Patrick
(51) A61M 25/06 (11) EP3727552 (21) EP18826113.5 (47) 05.10.2022 (87) IB2018059932 27.06.2019 (22) 12.12.2018 (54) IMPROVED SAFETY CATHETER NEEDLE	(11) EP3331600 (21) EP16750225.1 (47) 05.10.2022 (87) GB2016052390 09.02.2017 (22) 04.08.2016 (54) CATHETER	(31) 1651215 (32) 16.02.2016 (33) France
(73) Sol-Millennium Swiss R&D Center SA (72) LAGANA', Matteo DE ZOLT, Dario (31) 201700145675 (32) 18.12.2017 (33) Italy	(73) Phagenosis Limited (72) MULROONEY, Conor BOOKBINDER, Steve (31) 201513797 (32) 04.08.2015 (33) United Kingdom	(51) A61N 1/30 A61N 1/04 (11) EP3378527 (21) EP18169101.5 (47) 05.10.2022 (22) 21.12.2011 (54) ELECTRODE PAD USED FOR IONTOPHORESIS TREATMENT
(51) A61M 25/10 A61F 2/958 A61F 2/95 (11) EP3021894 (21) EP14831565.8 (47) 05.10.2022 (87) US2014046616 05.02.2015 (22) 15.07.2014 (54) BALLOON CATHETER HAVING IMPROVED RETRACTABLE SHEATH AND LOCKING MECHANISM	(51) A61N 1/05 A61N 1/04 A61B 5/251 A61B 5/11 A61B 5/389 A61B 5/375 A61B 5/00 A61B 5/291 A61N 1/36 (11) EP3970787 (21) EP21206356.4 (47) 05.10.2022 (22) 02.06.2016 (54) NEURAL SLEEVE FOR NEUROMUSCULAR STIMULATION, SENSING AND RECORDING	(73) Teikoku Seiyaku Co., Ltd. (72) HASUI, Akihiro SHIRAISHI, Atsuhiko HATTORI, Ken-ichi TANAKA, Shinji TAKAHASHI, Hirokazu TAKAHASHI, Makoto (31) 2010285848 (32) 22.12.2010 (33) Japan
(73) Pigott, John, P. (72) Pigott, John, P. (31) 201462012382 P 201361846095 P (32) 15.06.2014 15.07.2013 (33) United States of America United States of America	(73) Battelle Memorial Institute (72) BOUTON, Chad SHARMA, Gaurav SWEENEY, Andrew HEINTZ, Amy M. KUTE, Stephanie ANNETTA, Nicholas HAUBERT, Thomas D. RISSER, Steven M. FRIEND, Jeffrey BARTHOLOMEW, John THURSTON, Rachel MORROW, C. Alexander BRAND, George ELLIS, Jeffrey MOWRER, Matthew ZABORSKI, Raymond (31) 201562169849 P (32) 02.06.2015 (33) United States of America	(51) A61N 1/32 (11) EP3900774 (21) EP21175485.8 (47) 05.10.2022 (22) 03.07.2019 (54) USING ALTERNATING ELECTRIC FIELDS TO INCREASE CELL MEMBRANE PERMEABILITY (73) The Board of Trustees of the Leland Stanford Junior University Novocure GmbH (72) CHANG, Edwin PATEL, Chirag B. GAMBHIR, Sanjiv S. VOLOSHIN-SELA, Tali PORAT, Yaara GILADI, Moshe (31) 201962795136 P 201862728255 P 201862693811 P (32) 22.01.2019 07.09.2018 03.07.2018 (33) United States of America United States of America United States of America
(51) A61M 25/10 A61M 25/01 A61B 1/00 A61B 1/018 A61B 17/00 A61B 17/12 (11) EP3482706 (21) EP16908148.6 (47) 05.10.2022 (87) JP2016069988 11.01.2018 (22) 06.07.2016 (54) TREATMENT TOOL FOR ENDOSCOPE	(31) 201562169849 P (32) 02.06.2015 (33) United States of America (51) A61N 1/05 A61N 1/36	(33) United States of America United States of America United States of America (51) A61N 1/32 (11) EP3900775

(21) EP21175486.6	KENKNIGHT, Bruce H.	(87) EP2015063552
(47) 05.10.2022	(31) 201313828486	23.12.2015
(22) 03.07.2019	(32) 14.03.2013	(22) 17.06.2015
(54) USING ALTERNATING ELECTRIC FIELDS TO INCREASE CELL MEMBRANE PERMEABILITY	(33) United States of America	(54) METHODS OF CANCER TREATMENT WITH ANTAGONISTS AGAINST PD-1 AND PD-L1 IN COMBINATION WITH RADIATION THERAPY
(73) The Board of Trustees of the Leland Stanford Junior University	(51) A61N 1/362	(73) MedImmune Limited
Novocure GmbH	A61N 1/368	(72) DOVEDI, Simon
(72) Chang, Edwin	A61N 1/372	ILLIDGE, Tim
Patel, Chirag B.	A61N 1/05	STEWART, Ross
Gambhir, Sanjiv S.	(11) EP3787738	MORROW, Michelle
Voloshin-Sela, Tali	(21) EP19723975.9	WILKINSON, Robert
Porat, Yaara	(47) 05.10.2022	POON, Edmund
Giladi, Moshe	(87) US2019030101	(31) 201462013157 P
(31) 201962795136 P	(22) 01.05.2019	(32) 17.06.2014
201862728255 P	(54) MODE OF OPERATION FOR AN	(33) United States of America
201862693811 P	IMPLANTABLE CARDIAC RHYTHM MANAGEMENT DEVICE CO- IMPLANTED WITH A VENTRICULAR ASSIST DEVICE	(51) A61P 1/02
(32) 22.01.2019	(73) Medtronic, Inc.	A61K 9/68
07.09.2018	(72) KLEPFER, Ruth N.	(11) EP3313383
03.07.2018	STADLER, Robert W.	(21) EP16733400.2
(33) United States of America	(31) 201815969872	(47) 05.10.2022
United States of America	(32) 03.05.2018	(87) EP2016064578
United States of America	(33) United States of America	29.12.2016
(51) A61N 1/36	(51) A61N 1/372	(22) 23.06.2016
(11) EP3122418	A61N 1/375	(54) CHEWING GUM COMPOSITION FOR USE IN ALLEVIATION OF XEROSTOMIA INDUCED BY RADIOTHERAPY TREATMENT
(21) EP15712605.3	A61N 1/362	(73) Fertin Pharma A/S
(47) 05.10.2022	A61N 1/365	(72) BRUUN, Heidi Ziegler
(87) EP2015056389	(11) EP3717060	(31) PCT/EP2015/064074
01.10.2015	(21) EP18821847.3	(32) 23.06.2015
(22) 25.03.2015	(47) 05.10.2022	(33) World Intellectual Property Office (WIPO)
(54) NERVE STIMULATION APPLIANCE	(87) US2018063122	(51) A61P 25/28
(73) Mäusl, Roland	06.06.2019	G01N 33/68
Mück, Andreas	(22) 29.11.2018	G01N 33/48
(72) Mäusl, Roland	(54) LEADLESS CARDIAC PACEMAKER WITH REVERSIONARY BEHAVIOR	G01N 33/50
Mück, Andreas	(73) Cardiac Pacemakers, Inc.	(11) EP3359256
(31) 102014104414	(72) STAHMANN, Jeffrey E.	(21) EP16854098.7
(32) 28.03.2014	MAILE, Keith R.	(47) 05.10.2022
(33) Germany	SIEJKO, Krzysztof Z.	(87) US2016054045
(51) A61N 1/36	SHUROS, Allan Charles	13.04.2017
(11) EP3490663	LINDER, William J.	(22) 28.09.2016
(21) EP16911756.1	HAASL, Benjamin J.	(54) COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING INTELLECTUAL DISABILITIES
(47) 05.10.2022	KOOP, Brendan Early	(73) Mitz, Howard
(87) US2016044956	KANE, Michael J.	(72) Mitz, Howard
08.02.2018	(31) 201762593662 P	(31) 201562237130 P
(22) 01.08.2016	(32) 01.12.2017	(32) 05.10.2015
(54) RESPIRATORY TRIGGERED PARASTERNAL ELECTROMYOGRAPHIC RECORDING IN NEUROSTIMULATORS	(33) United States of America	(33) United States of America
(73) Med-EI Elektromedizinische Geraete GmbH	(51) A61N 5/10	(51) A61P 35/02
(72) DENK, Christian	(11) EP3251726	C07D 401/14
(51) A61N 1/36	(21) EP15879948.6	A61K 31/506
A61N 1/362	(47) 05.10.2022	C07D 401/04
(11) EP2968937	(87) JP2015052528	C07D 401/12
(21) EP14720320.2	04.08.2016	C07D 403/04
(47) 05.10.2022	(22) 29.01.2015	C07D 407/04
(87) US2014024827	(54) MULTILEAF COLLIMATOR AND RADIATION TREATMENT DEVICE	C07D 471/04
02.10.2014	(73) Hitachi, Ltd.	(11) EP3313530
(22) 12.03.2014	(72) ARAI, Satoshi	(21) EP16815401.1
(54) NEUROSTIMULATOR FOR MANAGING TACHYARRHYTHMIC RISK DURING SLEEP THROUGH VAGUS NERVE STIMULATION	MIYAMOTO, Akihiro	(47) 05.10.2022
(73) Cyberonics, Inc.	(51) A61N 5/10	(87) US2016039312
(72) LIBBUS, Imad	A61K 39/395	29.12.2016
AMURTHUR, Badri	C07K 16/28	(22) 24.06.2016
	A61P 35/00	(54) 4,6-PYRIMIDINYLENE DERIVATIVES AND USES THEREOF
	(11) EP3157629	
	(21) EP15733375.8	
	(47) 05.10.2022	

(73) Dana Farber Cancer Institute, Inc.	(72) AUBERT, Lionel	(72) Brandl, Christian
(72) GRAY, Nathanael, S	BEAU, Nathalie	Mangold, Michael
ZHANG, Tinghu	(31) 1460402	(31) 102017120702
(31) 201562185334 P	(32) 29.10.2014	(32) 07.09.2017
(32) 26.06.2015	(33) France	(33) Germany
(33) United States of America	(51) A62B 23/02	(51) A63F 13/497
(51) A61P 37/02	A41D 13/11	A63F 13/5375
C07D 401/04	(11) EP3391943	(11) EP3593873
C07D 401/14	(21) EP18173548.1	(21) EP19176223.6
C07D 498/18	(47) 05.10.2022	(47) 05.10.2022
A61K 31/4709	(22) 17.04.2008	(22) 23.05.2019
(11) EP3826724	(54) MAINTENANCE-FREE FLAT-FOLD	(54) APPARATUS AND METHOD OF
(21) EP19744659.4	RESPIRATOR THAT INCLUDES A	MAPPING A VIRTUAL ENVIRONMENT
(47) 05.10.2022	GRASPABLE TAB	(73) Sony Interactive Entertainment Europe
(87) EP2019069609	(73) 3M Innovative Properties Company	Limited
30.01.2020	(72) Gloag, Nicholas, J.	(72) RYAN, Nicholas Anthony Edward
(22) 22.07.2019	Wilson, Audra A.	SPENCER, Hugh Alexander Dinsdale
(54) NOVEL PIPERAZINE COMPOUNDS	Facer, John, M.	SWANN, Andrew
FOR THE TREATMENT OF	Henderson, Christopher, P.	BRISLIN, Simon Andrew St John
AUTOIMMUNE DISEASE	(31) 743723	PANESAR, Pritpal Singh
(73) F. Hoffmann-La Roche AG	(32) 03.05.2007	(31) 201811555
(72) DEY, Fabian	(33) United States of America	(32) 13.07.2018
QIU, Zongxing	(51) A62C 2/10	(33) United Kingdom
ZHU, Wei	(11) EP3840844	(51) A63F 13/86
ZOU, Ge	(21) EP19779065.2	A63F 13/335
(31) PCT/CN2018/096661	(47) 05.10.2022	A63F 13/65
(32) 23.07.2018	(87) GB2019052326	(11) EP3687643
(33) World Intellectual Property Office (WIPO)	27.02.2020	(21) EP18765278.9
(51) A61Q 3/00	(22) 20.08.2019	(47) 05.10.2022
A61K 8/36	(54) FIRE OR SMOKE CURTAIN	(87) US2018047606
A61K 8/362	(73) Coopers Fire Limited	04.04.2019
A61K 8/41	(72) REED, James	(22) 22.08.2018
A61K 8/46	(31) 201813859	(54) SPECTATOR VIEW INTO AN
A61K 8/55	(32) 24.08.2018	INTERACTIVE GAMING WORLD
A01L 15/00	(33) United Kingdom	SHOWCASED IN A LIVE EVENT HELD
(11) EP3651855	(51) A62C 13/76	IN A REAL-WORLD VENUE
(21) EP18746810.3	A62C 37/36	(73) Sony Interactive Entertainment America
(47) 05.10.2022	G08B 17/00	LLC
(87) US2018041408	A62C 13/62	(72) SARKAR, Bhaswar
17.01.2019	A62C 37/50	(31) 201715727137
(22) 10.07.2018	(11) EP3781270	201762566203 P
(54) NAIL HARDENING COMPOSITION AND	(21) EP19724619.2	(32) 06.10.2017
METHOD OF USE	(47) 05.10.2022	29.09.2017
(73) Wella Operations US, LLC	(87) IB2019053062	(33) United States of America
(72) PAVLOVIC, Elizabeta	24.10.2019	United States of America
YUVAVANICH, Sunan	(22) 15.04.2019	(51) A63G 31/00
(31) 201762530611 P	(54) INSPECTION SYSTEM FOR	A63G 33/00
(32) 10.07.2017	MAINTENANCE FREE FIRE	(11) EP3735305
(33) United States of America	EXTINGUISHING DEVICES	(21) EP18830628.6
(51) A61Q 5/02	(73) Kammer, Peter	(47) 05.10.2022
A61K 8/25	(72) Kammer, Peter	(87) US2018065757
A61K 8/26	(31) 18170028	11.07.2019
A61K 8/27	18167559	(22) 14.12.2018
A61K 8/73	(32) 30.04.2018	(54) INTERACTIVE COMPONENT FOR AN
A61K 8/02	16.04.2018	AMUSEMENT PARK
A61K 8/04	(33) European Patent Office (EPO)	(73) Universal City Studios LLC
A61K 8/49	European Patent Office (EPO)	(72) YEH, Wei Cheng
(11) EP3212293	(51) A63C 9/086	COSSAIRT, Travis Jon
(21) EP15786967.8	A63C 9/084	(31) 201815861502
(47) 05.10.2022	A63C 9/00	(32) 03.01.2018
(87) EP2015075061	A63C 9/08	(33) United States of America
06.05.2016	(11) EP3453433	(51) A63G 31/16
(22) 29.10.2015	(21) EP18191794.9	(11) EP3673965
(54) COMPOSITION COMPRISING	(47) 05.10.2022	(21) EP20153725.5
STYLING POWDER AND/OR SEBUM-	(22) 30.08.2018	(47) 05.10.2022
ABSORBING POWDER AND A ZINC	(54) HEEL BINDING WITH A FUNCTIONAL	(22) 10.08.2015
SALT	ELEMENT	(54) SYSTEM AND METHOD FOR
(73) L'OREAL	(73) MARKER Deutschland GmbH	MODULAR RIDE VEHICLES

(73) Universal City Studios LLC	(87) JP2013079714	C23C 16/44
(72) BOYLE, Patrick Devin	08.05.2014	(11) EP3610942
(31) 201414461141	(22) 01.11.2013	(21) EP18189154.0
(32) 15.08.2014	(54) ZEOLITE MEMBRANE REGENERATION	(47) 05.10.2022
(33) United States of America	METHOD	(22) 15.08.2018
(51) B01D 46/00	(73) NGK Insulators, Ltd.	(54) ANTI-CONTAMINATION FLANGE FOR
B01D 46/24	(72) MIYAHARA, Makoto	PARYLENE MACHINE
B01D 46/52	ICHIKAWA, Makiko	(73) Comelec S.A.
B01D 50/00	NAKAMURA, Shinji	(72) BOURGEOIS, Florian
(11) EP3470129	NAGASAKA, Ryujiro	BOGAR, Jacques
(21) EP18205867.7	(31) 2012241960	REDOUTEY, Pierre
(47) 05.10.2022	(32) 01.11.2012	DAMSIR, Hicham
(22) 27.08.2014	(33) Japan	
(54) AIR FILTER SYSTEM AND AIR FILTER	(51) B01D 67/00	(51) B01J 4/00
ELEMENT FOR AN AIR FILTER	B01D 69/08	C08F 10/02
SYSTEM	B01D 69/10	C08F 6/00
(73) MANN+HUMMEL GmbH	B01D 69/12	C08F 6/10
(72) RUHLAND, Klaus-Dieter	B01D 19/00	C08F 6/12
KAUFMANN, Michael	B01D 69/02	G01F 23/288
(31) 102013014488	(11) EP3450001	(11) EP3077422
(32) 02.09.2013	(21) EP18190238.8	(21) EP14806288.8
(33) Germany	(47) 05.10.2022	(47) 05.10.2022
(51) B01D 46/00	(22) 22.08.2018	(87) EP2014076464
B60T 17/00	(54) HOLLOW-FIBER MEMBRANE FOR	11.06.2015
F04D 25/00	FUEL DEGASSING	(22) 03.12.2014
(11) EP3616771	(73) Hamilton Sundstrand Corporation	(54) PROCESS FOR SEPARATING
(21) EP19192987.6	(72) CORDATOS, Haralambos	COMPONENTS OF A REACTION
(47) 05.10.2022	(31) 201715682588	MIXTURE OBTAINED BY HIGH-
(22) 22.08.2019	(32) 22.08.2017	PRESSURE POLYMERIZATION OF
(54) COMPRESSED AIR MODULE FOR A	(33) United States of America	ETHYLENICALLY UNSATURATED
COMMERCIAL VEHICLE AND METHOD	(51) B01D 67/00	MONOMERS WITH IMPROVED LEVEL
FOR TESTING SAME	B01D 69/14	CONTROL
(73) MAN Truck & Bus SE	C08F 214/18	(73) Basell Polyolefine GmbH
(72) Kondic, Darko	C08J 5/22	(72) KHAYRULLIN, Danir
Kusch, Willi	(11) EP3469641	DEUERLING, Michael
Petrov, Anton	(21) EP17729144.0	WOLF, Christoph
Burger, Norbert	(47) 05.10.2022	NEUMANN, Erich
(31) 102018121215	(87) EP2017064446	FIBLA, Claudio
(32) 30.08.2018	21.12.2017	(31) 13195653
(33) Germany	(22) 13.06.2017	(32) 04.12.2013
(51) B01D 53/14	(54) FLUOROPOLYMER MEMBRANE FOR	(33) European Patent Office (EPO)
B01D 53/26	ELECTROCHEMICAL DEVICES	
(11) EP2511001	(73) Solvay SA	(51) B01J 8/04
(21) EP12163841.5	Commissariat à l'Énergie Atomique et	B01J 19/26
(47) 05.10.2022	aux Énergies Alternatives	C10G 49/00
(22) 12.04.2012	(72) HAMON, Christine	(11) EP2595740
(54) CO2 RECOVERY SYSTEM AND	ABUSLEME, Julio A.	(21) EP11809999.3
RECOVERY METHOD FOR MOISTURE	BRAIDA, Marc-David	(47) 05.10.2022
CONTAINING CO2 GAS	ROUAULT, Hélène	(87) US2011033281
(73) MITSUBISHI HEAVY INDUSTRIES	MOURZAGH, Djamel	26.01.2012
ENGINEERING, LTD.	BESNARD, Gaëlle	(22) 20.04.2011
(72) Iijima, Masaki	TOMASI, Daniel	(54) MULTIPHASE CONTACT AND
(31) 2011090506	(31) 16305721	DISTRIBUTION APPARATUS FOR
(32) 14.04.2011	(32) 14.06.2016	HYDRO PROCESSING
(33) Japan	(33) European Patent Office (EPO)	(73) Chevron U.S.A. Inc.
(51) B01D 65/00	(51) B01F 23/53	(72) KILLEN, Ralph E.
B01D 69/10	B01F 27/81	BOYAK, Craig
B01D 69/12	(11) EP3075441	SONG, Steven X.
B01D 71/02	(21) EP15162482.2	KEMOUN, Abdenour
C01B 39/48	(47) 05.10.2022	SOUERS, Steve
C04B 38/00	(22) 02.04.2015	PARIMI, Krishniah
B01D 65/02	(54) IMPROVED APPARATUS FOR	AKIN, Zackory
B01J 29/70	DISPERSING A WATER-SOLUBLE	(31) 839227
B01J 35/04	POLYMER	(32) 19.07.2010
B01J 29/90	(73) SPCM SA	(33) United States of America
(11) EP2915577	(72) Bonnier, Julien	(51) B01J 19/22
(21) EP13852220.6	Pich, Emmanuel	B01J 19/14
(47) 05.10.2022	(51) B01J 3/03	(11) EP3496849
		(21) EP17757561.0
		(47) 05.10.2022

(87) FI2017050565 15.02.2018	(51) B01J 31/14 B01J 31/18 B01J 31/02	B04B 11/02 B04B 13/00
(22) 08.08.2017	(11) EP3834932	(11) EP3885050
(54) ARRANGEMENT FOR CONTINUOUS PRODUCTION OF POLYMER	(21) EP20211560.6	(21) EP20165833.3
(73) Kemira Oyj	(47) 05.10.2022	(47) 05.10.2022
(72) GOULT, David NAYLOR, Simon TUFF, Dave	(22) 03.12.2020	(22) 26.03.2020
(31) 20165607	(54) PROCESS FOR PREPARATION OF ETHYLENE OLIGOMERIZATION CATALYST AND OLIGOMERIZATION THEREOF	(54) A CENTRIFUGAL SEPARATOR FOR SEPARATING A LIQUID MIXTURE
(32) 08.08.2016	(73) Indian Oil Corporation Limited	(73) Alfa Laval Corporate AB
(33) Finland	(72) SINGH, Gurmeet RANI, Rashimi KAUR, Sukhdeep SINGH, Dheer CHOPRA, Anju KAPUR, Gurpreet Singh RAMAKUMAR, Sankara Sri Venkata	(72) LARSSON, Per-Gustaf
(51) B01J 19/32 B01D 3/28 B01D 3/00	(31) 201921051272	(51) B04C 5/13 B04C 11/00
(11) EP3436189	(32) 11.12.2019	(11) EP3983129
(21) EP17710573.1	(33) India	(21) EP20761631.9
(47) 05.10.2022	(51) B01J 39/26 B01J 41/20 B01J 20/283 B01J 20/289 B01J 20/32 B01D 15/36	(47) 05.10.2022
(87) EP2017056422 05.10.2017	(11) EP3137209	(87) IB2020057759 04.03.2021
(22) 17.03.2017	(21) EP15785536.2	(22) 18.08.2020
(54) CONTACTOR	(47) 05.10.2022	(54) CYCLONIC SEPARATOR
(73) Hirschberg Engineering AG	(87) US2015028476 05.11.2015	(73) Weir Minerals Africa (Pty) Limited
(72) HIRSCHBERG, Sebastian	(22) 30.04.2015	(72) BANERJEE, Chandranath CEPEDA, Eduardo JOSHI, Niyam Balacharya MURALIDHARA, Amith Thirumale
(31) 16163271	(54) FUNCTIONALIZED SUPPORT MATERIAL AND METHODS OF MAKING AND USING FUNCTIONALIZED SUPPORT MATERIAL	(31) 201912400
(32) 31.03.2016	(73) W.R. Grace & CO. - CONN.	(32) 29.08.2019
(33) European Patent Office (EPO)	(72) GU, Feng	(33) United Kingdom
(51) B01J 20/22 B01J 20/32	(31) 201461987938 P	(51) B05B 1/20 B05B 3/02 B05B 13/06 B08B 3/02 B08B 9/00 B05B 12/32
(11) EP3887034	(32) 02.05.2014	(11) EP3199253
(21) EP19824121.8	(33) United States of America	(21) EP16182585.6
(47) 05.10.2022	(51) B01L 9/06 A47F 7/00 G01N 35/02 G01N 35/04 B01L 3/00	(47) 05.10.2022
(87) US2019063664 04.06.2020	(11) EP3621737	(22) 03.08.2016
(22) 27.11.2019	(21) EP18799382.9	(54) LANCE NOZZLE AND EXCESS SPRAYED COATING REMOVAL DEVICE INCLUDING THE SAME
(54) METHOD AND COMPOSITION FOR REMOVING UREMIC TOXINS	(47) 05.10.2022	(73) Sugino Machine Limited
(73) Baxter International Inc. BAXTER HEALTHCARE SA	(87) US2018031549 15.11.2018	(72) OTANI, Shunji SAKURAI, Hajime SUGIMURA, Masaaki
(72) YEH, Rosa Hung-Chen DING, Yuanpang Samuel MENZEL BUENO, Cristian Adolfo	(22) 08.05.2018	(31) 2016013639
(31) 201816203058	(54) RETENTION CLIP AND SAMPLE RACK FOR A SAMPLE ANALYSIS SYSTEM	(32) 27.01.2016
(32) 28.11.2018	(73) Siemens Healthcare Diagnostics Inc.	(33) Japan
(33) United States of America	(72) DUNBAR, Andrew CHEN, Michael PERRY, William GEEHAN, Steven HOJER, Gyula LASZKA, Norbert	(51) B05B 1/30 H01F 7/18 F16K 31/06 B05B 1/20
(51) B01J 23/888 B01J 23/88 B01J 27/185 B01J 27/19 B01J 21/04 B01J 37/02 B01J 37/08	(31) 201762504113 P	(11) EP3661654
(11) EP2470300	(32) 10.05.2017	(21) EP18755679.0
(21) EP10744946.4	(33) United States of America	(47) 05.10.2022
(47) 05.10.2022	(51) B04B 1/08	(87) US2018045160 07.02.2019
(87) EP2010062282 03.03.2011		(22) 03.08.2018
(22) 24.08.2010		(54) SYSTEM AND METHODS FOR OPERATING A SOLENOID VALVE
(54) SOLUTIONS AND CATALYSTS COMPRISING GROUP VI METAL, GROUP VIII METAL, PHOSPHOROUS AND AN ADDITIVE		(73) Capstan AG Systems, Inc.
(73) Albemarle Europe Sprl.		(72) SCHRADER, Kale
(72) EJSBOUTS-SPICKOVA, Sonja JANSEN, Marcel Adriaan		(31) 201762540630 P
(31) 236436		(32) 03.08.2017
(32) 24.08.2009		(33) United States of America
(33) United States of America		(51) B05B 5/16 B05B 5/00 B05B 5/053 A61K 8/04

A61K 8/34	(31) 102013013549	B08B 15/02
A61K 8/73	(32) 13.08.2013	B60S 3/04
A61Q 1/02	(33) Germany	B08B 3/02
A61Q 17/04	(51) B06B 1/04	B05B 13/04
A61M 35/00	H02K 33/16	B05B 13/06
D01D 5/00	A61H 23/02	B05B 16/20
(11) EP3613403	(11) EP3549682	B05B 16/40
(21) EP18787349.2	(21) EP19161267.0	(11) EP3590613
(47) 05.10.2022	(47) 05.10.2022	(21) EP19191772.3
(87) JP2018016204	(22) 07.03.2019	(47) 05.10.2022
25.10.2018	(54) A SYSTEM FOR CONTROLLING THE	(22) 03.12.2014
(22) 19.04.2018	VIBRATION OF A PLATFORM	(54) MACHINE FOR COLLECTING LIQUID
(54) METHOD FOR PRODUCING COATING	(73) Powersoft SpA	WITH PHYTOSANITARY PRODUCTS
FILM	(72) LASTRUCCI, Claudio	(73) Herreros Muñoz, Ana Victoria
(73) Kao Corporation	(31) 201800003406	Marín Zamora, Diego Javier
(72) TOJO, Takehiko	(32) 09.03.2018	(72) Herreros Muñoz, Ana Victoria
FUKUDA, Ikuo	(33) Italy	Marín Zamora, Diego Javier
(31) 2017083247	(51) B07B 4/02	(51) B08B 3/02
2017083246	C01B 33/18	E01H 1/10
(32) 19.04.2017	B07B 9/02	(11) EP3833490
19.04.2017	B07B 11/02	(21) EP18753392.2
(33) Japan	B07B 11/06	(47) 05.10.2022
Japan	B27N 1/00	(87) EP2018071648
(51) B05B 12/00	C01B 33/20	13.02.2020
B05B 12/08	(11) EP3648905	(22) 09.08.2018
B05C 11/10	(21) EP18755766.5	(54) SURFACE-CLEANING HEAD
(11) EP3041614	(47) 05.10.2022	(73) Alfred Kärcher SE & Co. KG
(21) EP14755022.2	(87) EP2018071685	(72) FISCHER, Vitali
(47) 05.10.2022	07.03.2019	SCHWARZ, Andreas
(87) EP2014002173	(22) 09.08.2018	(51) B08B 3/04
12.03.2015	(54) DEVICE AND METHOD FOR	B08B 3/02
(22) 07.08.2014	SEPARATING AND/OR RECOVERING	B08B 3/10
(54) DEVICE FOR SUPPLYING AN	SILICATE PARTICLES FROM PLANT	(11) EP2606990
APPLICATION MATERIAL	MATERIAL	(21) EP11818401.9
(73) Eisenmann SE	(73) Siempelkamp Maschinen- und	(47) 05.10.2022
(72) SCHULZE, Herbert	Anlagenbau GmbH	(87) KR2011006044
(31) 102013014669	(72) FECHNER, Hans W.	23.02.2012
(32) 03.09.2013	SCHÖLER, Michael	(22) 17.08.2011
(33) Germany	BERNS, Jochem	(54) FLUID SUPPLYING APPARATUS
(51) B05B 12/00	TRUMMEL, Rolf	AND SYSTEM AND METHOD FOR
B05B 12/12	(31) 102017120033	CLEANING THIN FILM USING THE
(11) EP3439792	(32) 31.08.2017	SAME
(21) EP17714747.7	(33) Germany	(73) LG Chem, Ltd.
(47) 05.10.2022	(51) B08B 1/00	(72) SEO, Young Ju
(87) EP2017057655	B08B 3/02	CHUNG, Chae-Ho
12.10.2017	B65G 33/00	CHANG, Do-Ki
(22) 31.03.2017	B65G 45/00	YEOM, Ki-Kyo
(54) SYSTEM AND PROCESS FOR	E21B 12/06	IM, Ye-Hoon
COATING PROFILES	(11) EP3446797	KIM, Jae-Min
(73) SAT (SURFACE ALUMINIUM	(21) EP18188899.1	MIN, Kyoung-Hoon
TECHNOLOGIES) S.R.L. IN SHORT	(47) 05.10.2022	PARK, Won Chan
"SAT S.R.L."	(22) 14.08.2018	(31) 20100080446
(72) TREVISAN, Silvio Maria	(54) CLEANING DEVICE AND METHOD	(32) 19.08.2010
(31) UA20162328	FOR CLEANING AN AUGER	(33) Korea (Republic)
(32) 05.04.2016	(73) Karl Schnell GmbH & Co. KG	(51) B09B 3/40
(33) Italy	(72) JÖCHNER, Eugen	A61L 11/00
(51) B05B 12/14	(31) 102017119377	(11) EP3532107
(11) EP3033181	(32) 24.08.2017	(21) EP16819377.9
(21) EP14776812.1	(33) Germany	(47) 05.10.2022
(47) 05.10.2022	(51) B08B 3/00	(87) PL2016000144
(87) EP2014002142	B08B 3/14	03.05.2018
19.02.2015	B08B 9/00	(22) 06.12.2016
(22) 05.08.2014	B08B 9/093	(54) AUTOCLAVE FOR THE PROCESSING
(54) CHANGING DEVICE FOR COATING	B08B 17/02	OF MUNICIPAL WASTE
MEDIA AND COATING SYSTEM FOR	A23N 12/02	(73) Biolektra Group S.A.
COATING OBJECTS	A23B 7/153	(72) BRAJTLING, Jaroslaw Eryk
(73) Eisenmann SE	B05B 14/40	(31) 41929416
(72) FLEISCH, Jürgen	B08B 17/00	(32) 28.10.2016

(33) Poland	(72) GROSSERÜSCHKAMP, Thomas	MARTIN, Andrew, J.
(51) B21B 1/32	FLÖTH, Thomas	REDDING, Mackenzie, Ryan
(11) EP3733317	(31) 102015113869	(31) 201615390133
(21) EP19171923.6	(32) 20.08.2015	(32) 23.12.2016
(47) 05.10.2022	(33) Germany	(33) United States of America
(22) 30.04.2019	(51) B21D 41/02	(51) B23B 27/14
(54) ROLLING OF A PRODUCT	B21D 51/26	C23C 16/36
(73) Primetals Technologies Austria GmbH	(11) EP3344406	C23C 16/40
(72) Bergmann, Martin	(21) EP16763427.8	C23C 28/04
Krimpelstaetter, Konrad	(47) 05.10.2022	C23C 28/00
(51) B21B 37/78	(87) US2016049469	(11) EP3124144
(11) EP3713686	09.03.2017	(21) EP15768036.4
(21) EP18807600.4	(22) 30.08.2016	(47) 05.10.2022
(47) 05.10.2022	(54) METHOD AND APPARATUS FOR CAN	(87) JP2015058758
(87) EP2018081896	EXPANSION	01.10.2015
31.05.2019	(73) Belvac Production Machinery, Inc.	(22) 23.03.2015
(22) 20.11.2018	(72) MEADOR, Gerald	(54) COATED CUTTING TOOL
(54) DEVICE FOR CONTROLLING A	(31) 201562212748 P	(73) KYOCERA Corporation
STRETCH-REDUCING MILL	(32) 01.09.2015	(72) TANIBUCHI, Takahito
(73) SMS Group GmbH	(33) United States of America	(31) 2014059366
(72) GOHR, Alexander	(51) B22D 11/041	(32) 22.03.2014
(31) 102017220750	B22D 11/043	(33) Japan
(32) 21.11.2017	B22D 11/055	(51) B23B 27/16
(33) Germany	(11) EP3898028	B23B 29/08
(51) B21B 45/02	(21) EP19805558.4	(11) EP3512656
(11) EP3421148	(47) 05.10.2022	(21) EP17768245.7
(21) EP17178803.7	(87) EP2019080669	(47) 05.10.2022
(47) 05.10.2022	25.06.2020	(87) IL2017050865
(22) 29.06.2017	(22) 08.11.2019	22.03.2018
(54) CLEANING OF A PRODUCT WHICH IS	(54) MOULD UNIT FOR THE CONTINUOUS	(22) 06.08.2017
COLD ROLLED	CASTING OF METAL PRODUCTS	(54) CUTTING TOOL HAVING AN
(73) Primetals Technologies Austria GmbH	AND CONTINUOUS CASTING	INDEXABLE CUTTING INSERT
(72) Bergmann, Martin	INSTALLATION	(73) Iscar Ltd.
Krimpelstätter, Konrad	(73) Primetals Technologies Austria GmbH	(72) HECHT, Gil
(51) B21D 19/08	(72) BARAK, Michael	AVRAHAM, Shay
B21D 22/02	LEITNER, Guenter	(31) 201662393718 P
(11) EP3585531	LEITNER, Stefan	(32) 13.09.2016
(21) EP18702238.9	RADLGRUBER, Josef	(33) United States of America
(47) 05.10.2022	(31) 511482018	(51) B23B 27/16
(87) EP2018051978	(32) 21.12.2018	B23Q 17/09
30.08.2018	(33) Austria	B23B 27/12
(22) 26.01.2018	(51) B22F 10/28	(11) EP3911466
(54) METHOD FOR PRODUCING A	B22F 10/38	(21) EP21710261.5
COMPONENT BY FURTHER FORMING	B22F 10/85	(47) 05.10.2022
OF A PREFORMED CONTOUR	B22F 12/90	(87) EP2021055512
(73) Salzgitter Flachstahl GmbH	B23K 26/14	10.09.2021
(72) MÜTZE, Stefan	B23K 26/144	(22) 04.03.2021
SCHNEIDER, Matthias	B23K 26/342	(54) MACHINING TOOL AND MACHINE
WESTHÄUSER, Sebastian	B29C 64/153	TOOL HAVING SUCH A TOOL
DENKS, Ingwer Asmus	B29C 64/371	(73) Hartmetall-Werkzeugfabrik Paul Horn
(31) 102017103729	B29C 64/393	GmbH
(32) 23.02.2017	B33Y 10/00	(72) KREMLER, Tobias
(33) Germany	B33Y 50/02	(31) 102020106038
(51) B21D 35/00	B22F 10/322	(32) 05.03.2020
B21D 22/16	B22F 10/366	(33) Germany
B21D 39/03	B22F 10/80	(51) B23B 31/02
B23K 20/227	B22F 12/45	B23B 31/117
(11) EP3337629	B22F 12/70	B23Q 3/12
(21) EP16750739.1	(11) EP3558638	B23Q 3/155
(47) 05.10.2022	(21) EP17883604.5	B23Q 3/157
(87) EP2016068615	(47) 05.10.2022	B23B 31/00
23.02.2017	(87) US2017062934	(11) EP3302856
(22) 04.08.2016	28.06.2018	(21) EP16726540.4
(54) METHOD FOR PRODUCING A	(22) 22.11.2017	(47) 05.10.2022
SHAPED PART	(54) METHOD FOR PROCESS CONTROL IN	(87) EP2016062176
(73) ThyssenKrupp Steel Europe AG	ADDITIVE MANUFACTURING	08.12.2016
thyssenkrupp AG	(73) General Electric Company	(22) 30.05.2016
	(72) MAMRAK, Justin	(54) TOOL CLAMPING SYSTEM



(73) Broetje-Automation GmbH	(22) 14.08.2014	MUSS, Michael
(72) SENDZIK, Egbert	(54) SYSTEMS AND METHODS FOR	(31) 18191795
(31) 202015102802 U	CONFIGURING A CUTTING OR	(32) 30.08.2018
(32) 30.05.2015	WELDING DELIVERY DEVICE	(33) European Patent Office (EPO)
(33) Germany	(73) Hypertherm, Inc.	(51) B23K 9/10
(51) B23C 5/00	(72) ADAMS, Richard	B23K 9/173
B23C 5/06	BERTKEN, Steve	B23K 9/26
(11) EP3560644	(31) 201314053078	B23K 9/29
(21) EP18169829.1	(32) 14.10.2013	(11) EP3634684
(47) 05.10.2022	(33) United States of America	(21) EP18735146.5
(22) 27.04.2018	(51) B23K 9/073	(47) 05.10.2022
(54) A TOOL BODY AND A MILLING TOOL	B23K 9/173	(87) US2018036915
(73) Seco Tools AB	B23K 9/235	13.12.2018
(72) Mattsson, Rikard	B23K 26/046	(22) 11.06.2018
Karlsson, Kent	B23K 26/342	(54) WELDING TORCH WITH A FIRST
(51) B23D 57/00	B23K 26/348	CONTACT TIP TO PREHEAT WELDING
B28D 1/08	B23K 28/02	WIRE AND A SECOND CONTACT TIP
(11) EP3110586	(11) EP3693118	(73) Illinois Tool Works Inc.
(21) EP15711862.1	(21) EP20155471.4	(72) SIGL, Dennis Roland
(47) 05.10.2022	(47) 05.10.2022	UECKER, James Lee
(87) IB2015051346	(22) 04.02.2020	ZWAYER, Jake Bradley
27.08.2015	(54) HYBRID ADDITIVE MANUFACTURING	(31) 201762517534 P
(22) 23.02.2015	SYSTEM USING LASER AND ARC	(32) 09.06.2017
(54) MULTI-WIRE FRAME FOR CUTTING	WELDING	(33) United States of America
BLOCKS OF STONE MATERIAL IN	(73) Illinois Tool Works Inc.	(51) B23K 9/173
SLABS	(72) LIU, Shuang	B23K 9/26
(73) Toncelli, Dario	WAGNER, Dustin	B23K 9/28
(72) Toncelli, Dario	MILLER, Erik	B23K 9/29
(31) TV20140029	(31) 202016747344	(11) EP3837080
(32) 24.02.2014	201962801467 P	(21) EP19749753.0
(33) Italy	(32) 20.01.2020	(47) 05.10.2022
(51) B23K 1/00	05.02.2019	(87) EP2019071545
B23K 1/19	(33) United States of America	20.02.2020
B23K 1/20	United States of America	(22) 12.08.2019
B23K 20/02	(51) B23K 9/10	(54) TWO WIRE WELDING BURNER FOR
B23K 20/16	B23K 9/173	TWO FUSING WELDING WIRES WITH
B23K 20/233	(11) EP3843930	A PLURALITY OF PAIRS OF NOZZLE
B23K 101/42	(21) EP19745632.0	STICK HOLDERS
(11) EP3819058	(47) 05.10.2022	(73) FRONIUS INTERNATIONAL GmbH
(21) EP20205577.8	(87) EP2019070866	(72) GROSSAUER, Wolfgang
(47) 05.10.2022	05.03.2020	(31) 18188660
(22) 04.11.2020	(22) 02.08.2019	(32) 13.08.2018
(54) METHOD OF JOINING A	(54) METHOD FOR COMPENSATING FOR	(33) European Patent Office (EPO)
SEMICONDUCTOR DIE TO A	INTERFERENCE OF A WELDING	(51) B23K 11/00
SUBSTRATE USING PREFORM	CURRENT FROM ANOTHER WELDING	B23K 11/11
DIFFUSION SOLDERING;	CURRENT SOURCE	(11) EP2352614
CORRESPONDING SEMICONDUCTOR	(73) Fronius International GmbH	(21) EP09804309.4
DEVICE	(72) ARTELSMAIR, Josef	(47) 05.10.2022
(73) Infineon Technologies Austria AG	SÖLLINGER, Dominik	(87) IB2009007371
(72) HEINRICH, Alexander	MUSS, Michael	14.05.2010
RÖSL, Konrad	(31) 18191800	(22) 06.11.2009
TRUNOV, Kirill	(32) 30.08.2018	(54) METHOD FOR FORMING A METAL
UNRAU, Arthur	(33) European Patent Office (EPO)	MESH
(31) 201916679408	(51) B23K 9/10	(73) M.E.P. Macchine Elettroniche Piegatrici
(32) 11.11.2019	B23K 9/173	S.p.A.
(33) United States of America	(11) EP3843931	(72) TABOGA, Ermanno
(51) B23K 9/013	(21) EP19753400.1	(31) UD20080233
B23K 10/00	(47) 05.10.2022	(32) 07.11.2008
B23K 26/02	(87) EP2019072248	(33) Italy
B23K 37/02	05.03.2020	(51) B23K 23/00
B23K 37/04	(22) 20.08.2019	B22C 9/10
B23K 26/08	(54) METHOD FOR DETERMINING AN	B22D 19/04
B23K 26/38	INTERFERING COUPLING BETWEEN	B23K 101/26
(11) EP3057733	WELDING CURRENT CIRCUITS OF A	(11) EP3694680
(21) EP14758452.8	WELDING INSTALLATION	(21) EP18793257.9
(47) 05.10.2022	(73) FRONIUS INTERNATIONAL GmbH	(47) 05.10.2022
(87) US2014051106	(72) ARTELSMAIR, Josef	(87) FR2018052467
23.04.2015	SÖLLINGER, Dominik	18.04.2019

(22) 08.10.2018	B23K 26/08	(51) B23Q 16/02
(54) CASTING MOULD ASSEMBLY FOR ALUMINO-THERMIC WELDING OF RAILS AND METHOD OF ALUMINO-THERMIC WELDING OF RAILS	B23K 26/21	B23Q 17/22
(73) Pandrol	B23K 26/082	(11) EP3881967
(72) DEMOND, Nicolas	B23K 26/244	(21) EP21155993.5
MERESSE, Clément	B23K 26/26	(47) 05.10.2022
SANTOS, Thiago	B23K 37/04	(22) 09.02.2021
(31) 1759449	B62D 25/02	(54) MACHINE TOOL
(32) 09.10.2017	B23K 101/00	(73) Takisawa Machine Tool Co., Ltd.
(33) France	B23K 101/16	(72) MIYAKE, Naruhito
(51) B23K 26/00	B23K 101/18	(31) 2020044135
B44C 1/22	B23K 103/04	(32) 13.03.2020
B23K 26/082	(11) EP3677376	(33) Japan
B23K 26/10	(21) EP18851317.0	(51) B23Q 41/06
B23K 26/323	(47) 05.10.2022	G05B 19/418
B23K 26/22	(87) JP2018029272	(11) EP3313611
B23K 26/244	07.03.2019	(21) EP16727648.4
B23K 26/0622	(22) 03.08.2018	(47) 05.10.2022
B23K 26/06	(54) METHOD OF AND APPARATUS FOR MANUFACTURING A JOINED BODY, AND JOINED BODY	(87) EP2016061646
(11) EP3256283	(73) Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)	29.12.2016
(21) EP16705269.5	(72) WATANABE, Kenichi	(22) 24.05.2016
(47) 05.10.2022	KIMURA, Takayuki	(54) METHOD FOR REDUCING THE ENERGY DEMAND OF A MACHINE TOOL AND MACHINE TOOL SYSTEM
(87) GB2016000028	CHEN, Liang	(73) ZF Friedrichshafen AG
18.08.2016	HADANO, Masao	(72) XU, Yiwen
(22) 08.02.2016	SUZUKI, Reiichi	YAKARIA, Herman
(54) METHOD OF LASER WELDING EMPLOYING A PATTERN OF MICRO WELDS	(31) 2017167218	KÖSLER, Tobias
(73) Trumpf Laser UK Limited	(32) 31.08.2017	ACKERMANN, Thomas
(72) CAPOSTAGNO, Daniel Anthony	(33) Japan	BAUER, Johannes
GABZDYL, Jacek Tadeusz	(51) B23K 35/26	(31) 102015211941
VARNHAM, Malcolm Paul	B23K 35/36	(32) 26.06.2015
HARRISON, Paul Martin	B23K 35/362	(33) Germany
NORMAN, Stephen Roy	B23K 35/365	(51) B24B 9/06
ROSOWSKI, Adam Piotr	C22C 13/00	B24B 49/04
MURPHY, Tara	(11) EP3715041	B24B 37/005
(31) 201517768	(21) EP18880276.3	B24B 37/20
201509504	(47) 05.10.2022	B24B 49/03
201502149	(87) JP2018043146	(11) EP3849742
(32) 07.10.2015	31.05.2019	(21) EP19762673.2
01.06.2015	(22) 22.11.2018	(47) 05.10.2022
09.02.2015	(54) FLUX, AND SOLDER PASTE	(87) US2019047829
(33) United Kingdom	(73) Senju Metal Industry Co., Ltd	19.03.2020
United Kingdom	(72) KAWASAKI, Hiroyoshi	(22) 23.08.2019
United Kingdom	SHIRATORI, Masato	(54) METHODS FOR POLISHING SEMICONDUCTOR SUBSTRATES THAT ADJUST FOR PAD-TO-PAD VARIANCE
(51) B23K 26/21	TAKAGI, Yoshinori	(73) GlobalWafers Co., Ltd.
B23K 26/082	(31) 2017226345	(72) YOSHIMURA, Ichiro
B23K 26/06	(32) 24.11.2017	CHU, Alex
B23K 26/244	(33) Japan	CHIU, H.J.
(11) EP3332904	(51) B23Q 5/027	BHAGAVAT, Sumeet
(21) EP16832519.9	B23Q 5/32	KIM, TaeHyeong
(47) 05.10.2022	(11) EP3377265	KATAKURA, Norimasa
(87) JP2016003549	(21) EP16801677.2	KITAZAWA, Masaru
09.02.2017	(47) 05.10.2022	(31) 201862729134 P
(22) 02.08.2016	(87) US2016061753	(32) 10.09.2018
(54) LASER WELDING METHOD	26.05.2017	(33) United States of America
(73) Panasonic Intellectual Property Management Co., Ltd.	(22) 14.11.2016	(51) B24B 27/00
(72) MATSUOKA, Noriyuki	(54) GEAR HEAD AND POSITIVE FEED TOOL THEREWITH	B24B 47/22
KAWAMOTO, Atsuhiko	(73) Apex Brands, Inc.	B24B 9/00
FUJIWARA, Junji	(72) WATFORD, Jeremy Dean	B24B 9/06
NAKAGAWA, Tatsuyuki	HARRIS, Edward Alan	B24B 9/10
(31) 2015154931	(31) 201614990191	(11) EP3810366
(32) 05.08.2015	201562255791 P	(21) EP19742487.2
(33) Japan	(32) 07.01.2016	(47) 05.10.2022
(51) B23K 26/28	16.11.2015	(87) IB2019055082
	(33) United States of America	26.12.2019
	United States of America	

(22) 18.06.2019	(54) SEALING ARRANGEMENT FOR A TIGHTENING TOOL	(54) FASTENER DRIVING TOOL WITH AN AUTOMATIC NOSE CHAMBER GUIDE MEMBER
(54) A MACHINE FOR GRINDING SLABS	(73) Atlas Copco Industrial Technique AB	(73) Illinois Tool Works Inc.
(73) Soltek S.r.l.	(72) ERIKSSON, Ulf, Mikael	(72) SEGURA, Ricardo
(72) SIGNORINI, Giuliano	(31) 1830207	(31) 201314073021
(31) 201800006453	(32) 29.06.2018	(32) 06.11.2013
(32) 19.06.2018	(33) Sweden	(33) United States of America
(33) Italy		
(51) B24B 53/013	(51) B25B 23/00	(51) B25F 5/00
B24B 9/00	B25B 23/02	B23D 47/12
(11) EP3335833	B25B 23/04	B23D 59/00
(21) EP16834822.5	B25B 23/08	(11) EP3036071
(47) 05.10.2022	B25B 23/10	(21) EP14755173.3
(87) JP2016003677	B25B 23/12	(47) 05.10.2022
16.02.2017	F16B 27/00	(87) JP2014071132
(22) 09.08.2016	(11) EP3589454	26.02.2015
(54) DRESSING METHOD AND DRESSING DEVICE	(21) EP18760614.0	(22) 04.08.2014
(73) BANDO KIKO CO., LTD.	(47) 05.10.2022	(54) ELECTRIC POWER TOOL
(72) BANDO, Kazuaki	(87) IL2018050215	(73) Koki Holdings Co., Ltd.
(31) 2015158582	07.09.2018	(72) YOSHIDA, Kenichirou
(32) 10.08.2015	(22) 26.02.2018	ONOSE, Akira
(33) Japan	(54) APPARATUS FOR STORING SCREWS AND GUIDING SCREWS DURING INSERTION	KURAGANO, Shinji
(51) B25B 1/24	(73) Vezacharta Gypsum Spider Ltd	(31) 2013169596
B25B 5/02	(72) COHEN, Aharon	(32) 19.08.2013
B25B 5/06	(31) 25091017	(33) Japan
B25B 5/14	(32) 02.03.2017	(51) B25F 5/00
B23Q 3/06	(33) Israel	H02P 6/30
B25B 5/00		(11) EP3715055
(11) EP3763482	(51) B25B 23/14	(21) EP20165900.0
(21) EP20156229.5	B25B 23/142	(47) 05.10.2022
(47) 05.10.2022	(11) EP3774184	(22) 26.03.2020
(22) 07.02.2020	(21) EP19709471.7	(54) ELECTRIC POWER TOOL AND METHOD FOR CONTROLLING THE ELECTRIC POWER TOOL
(54) INFINITELY DIRECTIONAL TRANSLATING CLAMP FOR WELDING A FAN BLADE COVER	(47) 05.10.2022	(73) Panasonic Intellectual Property Management Co., Ltd.
(73) Raytheon Technologies Corporation	(87) EP2019055538	(72) SAWANO, Fumiaki
(72) BALES, Daniel A.	03.10.2019	(31) 2019068213
(31) 201916269728	(22) 06.03.2019	(32) 29.03.2019
(32) 07.02.2019	(54) TORQUE WRENCH EVALUATION SYSTEM AND METHOD	(33) Japan
(33) United States of America	(73) Atlas Copco Industrial Technique AB	
(51) B25B 13/46	(72) BRECHENMACHER, Uwe	
B25B 13/48	(31) 1830100	(51) B25J 9/00
B25B 27/00	(32) 27.03.2018	(11) EP3482883
B60C 23/04	(33) Sweden	(21) EP18178307.7
B25B 23/142		(47) 05.10.2022
B60C 25/18	(51) B25C 1/00	(22) 18.06.2018
(11) EP3334613	B25C 1/08	(54) EXOSKELETON ROBOT
(21) EP16774979.5	B25C 1/04	(73) Free Bionics Taiwan Inc.
(47) 05.10.2022	(11) EP3291947	(72) TSAI, YI-JENG
(87) IB2016001294	(21) EP16726683.2	TENG, MING-CHANG
16.02.2017	(47) 05.10.2022	(31) 201715811102
(22) 10.08.2016	(87) US2016030385	(32) 13.11.2017
(54) MULTI-FUNCTION TPMS TORQUE TOOL	10.11.2016	(33) United States of America
(73) ATEQ	(22) 02.05.2016	
(72) BREBANT, Morgan	(54) DRIVE-IN TOOL WITH IMPROVED SAFETY DEVICE	(51) B25J 9/00
(31) 201562203092 P	(73) Illinois Tool Works Inc.	B23K 26/38
(32) 10.08.2015	(72) HAHNDEL, Olaf	B23K 37/04
(33) United States of America	(31) 15166582	B25J 9/02
	(32) 06.05.2015	B25J 15/00
	(33) European Patent Office (EPO)	B25J 15/04
		B25J 15/06
(51) B25B 21/00	(51) B25C 1/18	B25J 18/02
B25B 23/08	B25C 5/16	B23K 26/08
(11) EP3814057	B25C 1/00	B23K 26/40
(21) EP19732975.8	(11) EP3065913	B23K 26/70
(47) 05.10.2022	(21) EP14766568.1	B23K 37/00
(87) EP2019066312	(47) 05.10.2022	B23K 37/02
02.01.2020	(87) US2014052204	B23K 101/18
(22) 20.06.2019	14.05.2015	B23K 103/04
	(22) 21.08.2014	(11) EP3965997

(21) EP20734828.5	(11) EP2868445	(87) JP2018020921
(47) 05.10.2022	(21) EP14191772.4	17.01.2019
(87) EP2020000112	(47) 05.10.2022	(22) 31.05.2018
10.12.2020	(22) 04.11.2014	(54) ROBOT ARM COUPLING DEVICE
(22) 02.06.2020	(54) Method for programming sequences of	(73) Pascal Engineering Corporation
(54) SORTING SYSTEM FOR A MACHINE	movements of a redundant industrial	(72) TAKAHASHI, Takuya
TOOL, MACHINE TOOL AND METHOD	robot and associated industrial robot	(31) 2017134499
FOR SORTING CUT PARTS	(73) KUKA Deutschland GmbH	(32) 10.07.2017
(73) Bystronic Laser AG	(72) Riedel, Martin	(33) Japan
(72) RÖDER, Sebastian	Bischoff, Rainer	<hr/>
(31) 102019115634	(31) 102013222456	(51) B25J 18/02
(32) 07.06.2019	(32) 05.11.2013	B25J 13/06
(33) Germany	(33) Germany	A61B 34/32
<hr/>	<hr/>	A61B 34/37
(51) B25J 9/16	(51) B25J 11/00	B25J 9/16
(11) EP3493953	B62D 55/065	(11) EP2884937
(21) EP17751921.2	B62D 55/24	(21) EP13829979.7
(47) 05.10.2022	(11) EP3504118	(47) 05.10.2022
(87) US2017044933	(21) EP17844012.9	(87) US2013055082
08.02.2018	(47) 05.10.2022	20.02.2014
(22) 01.08.2017	(87) NO2017050211	(22) 15.08.2013
(54) GENERATING A MODEL FOR AN	01.03.2018	(54) SYSTEMS FOR CANCELLATION OF
OBJECT ENCOUNTERED BY A ROBOT	(22) 24.08.2017	JOINT MOTION USING THE NULL-
(73) X Development LLC	(54) HOLDING MEANS FOR HOLDING AN	SPACE
(72) KONOLIGE, Kurt	APPARATUS AGAINST A METALLIC	(73) Intuitive Surgical Operations, Inc.
RAJKUMAR, Nareshkumar	SURFACE	(72) HOURTASH, Arjang
HINTERSTOISSER, Stefan	(73) Remotion AS	HINGWE, Pushkar
(31) 201615227612	(72) URRANG, Morten	(31) 201261683638 P
(32) 03.08.2016	(31) 20161367	(32) 15.08.2012
(33) United States of America	(32) 26.08.2016	(33) United States of America
<hr/>	<hr/>	<hr/>
(51) B25J 9/16	(33) Norway	(51) B26B 19/20
(11) EP3626409	(51) B25J 13/08	B26B 19/38
(21) EP18802314.7	(11) EP3402634	(11) EP3914428
(47) 05.10.2022	(21) EP17700349.8	(21) EP20700285.8
(87) JP2018019198	(47) 05.10.2022	(47) 05.10.2022
22.11.2018	(87) EP2017050609	(87) EP2020050620
(22) 17.05.2018	20.07.2017	30.07.2020
(54) SPEED REDUCER ANGULAR	(22) 12.01.2017	(22) 13.01.2020
TRANSMISSION ERROR	(54) GRIPPER HAVING A FORCE	(54) DOUBLE-SIDED COMB FOR A HAIR-
IDENTIFICATION SYSTEM AND SPEED	MEASUREMENT DEVICE	CUTTING DEVICE
REDUCER ANGULAR TRANSMISSION	(73) KUKA Deutschland GmbH	(73) Koninklijke Philips N.V.
ERROR IDENTIFICATION METHOD	(72) BRUDNIOK, Sven	(72) VAN VELDHUIZEN, Gijsbert, Hendrik
(73) Kawasaki Jukogyo Kabushiki Kaisha	(31) 102016200492	(31) 19153003
(72) Tsuboi, Nobutaka	(32) 15.01.2016	(32) 22.01.2019
(31) 2017099193	(33) Germany	(33) European Patent Office (EPO)
(32) 18.05.2017	(51) B25J 15/00	<hr/>
(33) Japan	B25J 15/04	(51) B26D 1/36
<hr/>	B25J 15/12	B26D 3/26
(51) B25J 9/16	(11) EP3554775	A23N 15/00
B25J 9/00	(21) EP17826393.5	A22C 17/00
B25J 13/08	(47) 05.10.2022	B26D 1/03
A61H 1/02	(87) US2017066764	B26D 7/06
(11) EP3843953	21.06.2018	B26D 3/28
(21) EP19769997.8	(22) 15.12.2017	B26D 7/26
(47) 05.10.2022	(54) BASE SYSTEMS FOR SUPPORTING	B26D 1/00
(87) EP2019073142	SOFT ROBOTIC ACTUATORS	(11) EP3307499
05.03.2020	(73) Soft Robotics, Inc.	(21) EP16808496.0
(22) 29.08.2019	(72) CHIAPPETTA, Mark, J.	(47) 05.10.2022
(54) METHOD FOR AUTOMATIC LOAD	KNOPF, Ryan	(87) US2016037143
COMPENSATION FOR A COBOT OR	LESSING, Joshua, Aaron	15.12.2016
AN UPPER LIMB EXOSKELETON	CURHAN, Jeffrey	(22) 13.06.2016
(73) Commissariat à l'Energie Atomique et	(31) 201662435213 P	(54) MACHINES AND METHODS FOR
aux Energies Alternatives	(32) 16.12.2016	CUTTING PRODUCTS
(72) GEFARD, Franck	(33) United States of America	(73) URSCHEL LABORATORIES, INC.
(31) 1857829	(51) B25J 15/04	(72) FANT, James A.
(32) 30.08.2018	B25J 19/00	(31) 201562174985 P
(33) France	(11) EP3653351	(32) 12.06.2015
<hr/>	(21) EP18831524.6	(33) United States of America
(51) B25J 9/22	(47) 05.10.2022	<hr/>
B25J 9/16		(51) B26D 5/32
G05B 19/423		B29C 48/12

B65H 35/04	(11) EP3446843	(22) 03.08.2018
G01B 5/06	(21) EP18190324.6	(54) SUPPLY DEVICE FOR SUPPLYING PASTY MASSES
(11) EP3778158	(47) 05.10.2022	(73) Klöckner Desma Elastomertechnik GmbH
(21) EP19191373.0	(22) 22.08.2018	(72) GLÜCKLER, Raphael
(47) 05.10.2022	(54) FREE FORM WOOD PROFILE AND MANUFACTURE THEREOF	(31) 102017117622
(22) 13.08.2019	(73) Wooden-3D-Tubing UG (haftungsbeschränkt)	(32) 03.08.2017
(54) A METHOD AND AN APPARATUS FOR DETECTING JOINTS ON A MATERIAL STRAND	(72) Mattern, Yves	(33) Germany
(73) Cooper Standard GmbH	Strobel, Philipp	(51) B29C 37/00
(72) SCHOLL, Erik	(31) 102017214866	B29C 44/58
KLÜBERSPIES, Thomas	(32) 24.08.2017	B29C 44/04
(51) B26D 7/20	(33) Germany	B65D 1/22
B29C 65/00	(51) B27M 1/04	(11) EP3972797
B26F 1/38	B27M 3/00	(21) EP20742862.4
B29C 65/08	(11) EP3900903	(47) 05.10.2022
B26D 7/01	(21) EP21167689.5	(87) IB2020054786
A61F 13/15	(47) 05.10.2022	26.11.2020
B23K 26/324	(22) 09.04.2021	(22) 20.05.2020
B23K 26/34	(54) APPARATUS FOR THE EXECUTION OF SOUND ABSORBING PANELS WITH MICRO-HOLES	(54) METHOD AND MOLD FOR MOLDING A FOAMED PLASTIC FOLDABLE CONTAINER, AND CONTAINER MANUFACTURED THEREBY
B23K 26/342	(73) Vitap Costruzioni Meccaniche S.p.A.	(73) Bazzica Engineering S.R.L.
B23K 103/00	(72) DONATI, Andrea	(72) BAZZICA, Carlo
(11) EP3463774	TANZINI, Franco	(31) 201900007020
(21) EP17726466.0	(31) 202000008851	(32) 20.05.2019
(47) 05.10.2022	(32) 24.04.2020	(33) Italy
(87) US2017033460	(33) Italy	(33) Italy
30.11.2017	(51) B28D 1/22	(51) B29C 44/34
(22) 19.05.2017	C03B 33/12	B29C 44/58
(54) ROTARY ANVIL	(11) EP3892430	(11) EP3921129
(73) The Procter & Gamble Company	(21) EP21167233.2	(21) EP21700288.0
(72) SCHNEIDER, Uwe	(47) 05.10.2022	(47) 05.10.2022
EIMANN, Klaus	(22) 07.04.2021	(87) EP2021050371
VANVALKENBURG, Curtis, Hunter	(54) TOOL HOLDER WITH REVOLVER-LIKE CARRIER FOR PLANAR SHEET ENGRAVING EQUIPMENT	22.07.2021
(31) 201662340569 P	(73) Brevetti Montolit S.P.A.	(22) 11.01.2021
(32) 24.05.2016	(72) CASARTELLI, Luigi	(54) METHOD FOR THE PREPARATION OF FOAMED FLAT MOULDED BODIES AND TOOL FOR PERFORMING THE METHOD
(33) United States of America	MONTOLO, Vincenzo	(73) Covestro Deutschland AG
(51) B26F 1/38	(31) 202000007609	(72) HOPF, Stefan
B26D 1/00	(32) 09.04.2020	MOERS, Stephan
D21F 9/00	(33) Italy	WICK, Achim
B29C 43/46	(51) B29B 11/14	WINDECK, Christian
B31D 5/02	B29B 11/08	(31) 20152534
D21J 5/00	B29C 49/06	(32) 17.01.2020
B29C 51/00	(11) EP3606713	(33) European Patent Office (EPO)
B29C 51/44	(21) EP18719400.6	(51) B29C 44/50
B29C 51/10	(47) 05.10.2022	B29C 49/00
B29C 43/02	(87) US2018026003	B29C 49/04
B31B 50/59	11.10.2018	B29K 23/00
B29L 31/28	(22) 04.04.2018	B29K 101/12
B29K 1/00	(54) VARIABLE THICKNESS PREFORM FOR A BOTTLE	B29K 105/00
(11) EP3969659	(73) DT Inventions	B29K 105/04
(21) EP20726387.2	(72) THIBODEAU, James Alfred	B29L 23/00
(47) 05.10.2022	(31) 201715479037	(11) EP3677401
(87) EP2020063482	(32) 04.04.2017	(21) EP18852161.1
19.11.2020	(33) United States of America	(47) 05.10.2022
(22) 14.05.2020	(51) B29C 31/06	(87) JP2018031131
(54) A METHOD FOR PRODUCING CELLULOSE PRODUCTS AND A ROTARY FORMING MOULD SYSTEM	B29C 45/18	07.03.2019
(73) PulPac AB	B29C 67/24	(22) 23.08.2018
(72) HÖGBLOM, Olle	B29K 83/00	(54) RESIN FOR FOAM MOLDING, FOAM MOLDED ARTICLE, AND METHOD FOR PRODUCING FOAM MOLDED ARTICLE
LARSSON, Ove	(11) EP3661715	(73) Kyoraku Co., Ltd.
LARSSON, Linus	(21) EP18759261.3	(72) SOMEYA, Takaaki
GUIDOTTI, Edward	(47) 05.10.2022	SANO, Takeru
(31) 1950584	(87) EP2018071182	
(32) 16.05.2019	07.02.2019	
(33) Sweden		
(51) B27D 1/08		
B27L 5/00		

(31) 2017165925	RELATED METHOD OF USING THE	(73) KOREA INSTITUTE OF MATERIALS
(32) 30.08.2017	SAME	SCIENCE
(33) Japan	(73) Wuyi University	(72) YUN, Hui Suk
(51) B29C 45/00	(72) XU, Baiping	(31) 20170092991
B29C 45/37	YU, Huiwen	20170037964
B29C 45/34	XIAO, Shuping	(32) 21.07.2017
B29C 45/36	DU, Yaoxue	24.03.2017
B29C 45/26	(31) 202010216298	(33) Korea (Republic)
H02G 15/18	(32) 25.03.2020	Korea (Republic)
(11) EP3650190	(33) China	(51) B29C 64/255
(21) EP19189525.9	(51) B29C 55/08	B29C 31/02
(47) 05.10.2022	F16C 33/16	B22F 10/20
(22) 01.08.2019	B29C 55/16	B22F 10/70
(54) ASSEMBLING DIE	B29C 55/20	B33Y 40/00
(73) ZTT CABLE ACCESSORIES CO.,LTD.	(11) EP3648948	B29C 64/153
(72) SHEN, Wei-Dong	(21) EP18724862.0	B29C 64/165
ZHANG, Hao	(47) 05.10.2022	(11) EP3386719
MA, Zhi-Jin	(87) EP2018062487	(21) EP16722662.0
TIAN, Zheng-Bing	10.01.2019	(47) 05.10.2022
MIAO, Wei-Ting	(22) 15.05.2018	(87) EP2016060788
WAN, Chang	(54) SLIDING ELEMENT, IN PARTICULAR	16.11.2017
ZHAO, Yi-Xuan	FOR A STRETCHING PLANT AND/	(22) 12.05.2016
(31) 201811314879	OR A TRANSPORT CHAIN AND AN	(54) BUILD MATERIAL CONTAINER
(32) 06.11.2018	ASSOCIATED STRETCHING PLANT	(73) Hewlett-Packard Development Company,
(33) China	AND/OR TRANSPORT CHAIN	L.P.
(51) B29C 45/16	(73) Brückner Maschinenbau GmbH & Co. Kg	(72) ALONSO, Xavier
B29C 45/26	(72) SWOBODA, Martin	CHANCLON, Ismael
(11) EP3653359	HÄUSL, Tobias	MORROS, Marc
(21) EP19218753.2	KULINYAK, Emmerich	NICOLAU, Marc
(47) 05.10.2022	KRAUS, Sebastian	SANTOS, Angel
(22) 11.03.2014	MURNER, Georg	(51) B29C 65/00
(54) REINJECTION MOULDING DEVICE	UNTERREINER, Markus	B62D 29/04
HAVING A ROTATABLE CENTRE PART	BAMBERGER, Werner	B62D 27/02
AND CENTRE PART	GIAPOULIS, Anthimos	B62D 23/00
(73) Foboha (Germany) GmbH	BAUMEISTER, Michael	B29C 65/76
(72) ARMBRUSTER, Rainer	(31) 102017115175	B29C 64/00
(31) 20622013	(32) 06.07.2017	(11) EP3781387
6132013	(33) Germany	(21) EP19721861.3
(32) 13.12.2013	(51) B29C 64/165	(47) 05.10.2022
15.03.2013	B29C 64/386	(87) IT2019000026
(33) Switzerland	B33Y 10/00	24.10.2019
Switzerland	(11) EP3436248	(22) 29.03.2019
(51) B29C 48/08	(21) EP16735852.2	(54) PROCESS AND PLANT FOR
B29C 48/92	(47) 05.10.2022	PRODUCING A MODULAR
B29C 48/31	(87) EP2016065728	STRUCTURE, IN PARTICULAR A
B29C 48/88	11.01.2018	CHASSIS FOR MOTOR VEHICLES AND
(11) EP2837485	(22) 04.07.2016	A MODULE FOR SUCH CHASSIS
(21) EP13180391.8	(54) PREPARING A BASE FOR ADDITIVE	(73) Mancini, Gianni
(47) 05.10.2022	MANUFACTURING	(72) Mancini, Gianni
(22) 14.08.2013	(73) Hewlett-Packard Development Company,	(31) 201800004712
(54) Method for providing marks on extruded	L.P.	201800004711
films	(72) Fornos, Pol	(32) 19.04.2018
(73) Electronic Systems S.p.A.	RAMIREZ MUELA, David	19.04.2018
(72) Martena, Dr. Florinda	PUIGARDEU ARAMENDIA, Sergio	(33) Italy
Trizzino, Stefano	(51) B29C 64/223	Italy
(51) B29C 48/65	B29C 64/245	(51) B29C 67/00
B29C 48/25	B29C 64/20	B33Y 30/00
B29C 48/41	B29C 64/194	B33Y 50/00
B29C 48/425	B29C 64/124	(11) EP3386718
B29C 48/76	B33Y 10/00	(21) EP15910418.1
B29B 7/48	B33Y 30/00	(47) 05.10.2022
(11) EP3885102	(11) EP3388221	(87) US2015065326
(21) EP20193657.2	(21) EP18163649.9	15.06.2017
(47) 05.10.2022	(47) 05.10.2022	(22) 11.12.2015
(22) 31.08.2020	(22) 23.03.2018	(54) DENSITY CLASSIFIERS BASED ON
(54) COUNTER-ROTATING DIFFERENTIAL	(54) 3D PRINTING DEVICE FOR MULTIPLE	PLANE REGIONS
SPEED EXTRUSION DEVICE, AND	MATERIALS AND 3D PRINTING	(73) Hewlett-Packard Development Company,
	METHOD FOR MULTIPLE MATERIALS	L.P.

(72) BEACHNAU HOOD, Dawn M. SHEPHERD, Matthew A. MACKENZIE, Mark H. SUN, Weiyun JUSTEL, Milan YRACEBURU, Robert RASMUSSEN, Steve O.	(22) 22.03.2018 (54) A TOOL FOR MANUFACTURING A COMPOSITE COMPONENT	(51) B29D 99/00 B29C 70/88 B29C 70/44 B29C 70/34 F03D 1/06 F03D 80/30 B30B 5/02 B29L 31/08
(51) B29C 67/00 B33Y 30/00 B33Y 50/02	(33) United Kingdom	(11) EP3670169 (21) EP18215037.5
(11) EP3261821 (21) EP15899890.6 (47) 05.10.2022	(73) Rolls-Royce plc (72) TINGLE, James (31) 201704890 (32) 28.03.2017	(47) 05.10.2022 (22) 21.12.2018 (54) A VACUUM ASSISTED RESIN TRANSFER MOLDING METHOD
(87) US2015042981 02.02.2017 (22) 30.07.2015 (54) COLOR CALIBRATION FOR THREE- DIMENSIONAL PRINTING	(11) EP3906151 (21) EP19828085.1 (47) 05.10.2022 (87) US2019064448 09.07.2020	(73) Siemens Gamesa Renewable Energy A/ S (72) Christiansen, Thomas Lehrmann Girolamo, Donato Mikkelsen, Peter Fischer
(73) Hewlett-Packard Development Company, L.P.	(22) 04.12.2019 (54) SYSTEM AND METHOD FOR REPAIRING A THREE-DIMENSIONAL ARTICLE	(51) B31B 70/14 B31B 70/18
(72) TASTL, Ingeborg MORONEY, Nathan MOROVIC, Peter MOROVIC, Jan FITZHUGH, Andrew E. WRIGHT, Jacob	(73) 3D Systems, Inc. (72) BLANK, Jeffrey, Kenneth (31) 201862786776 P (32) 31.12.2018 (33) United States of America	(11) EP3877169 (21) EP19797743.2 (47) 05.10.2022 (87) EP2019080412 14.05.2020 (22) 06.11.2019
(51) B29C 67/00 B33Y 50/00 G06F 30/00 G06F 119/18 H04N 1/00	(51) B29C 73/10 B29C 73/12 B29C 73/34 B29C 35/08 B29D 99/00	(54) SHEET MATERIAL MADE OF FABRIC AND METHOD FOR ITS MANUFACTURE
(11) EP3292487 (21) EP15720933.9 (47) 05.10.2022 (87) EP2015058918 27.10.2016 (22) 24.04.2015 (54) THREE DIMENSIONAL OBJECT DATA	(11) EP2925510 (21) EP13792302.5 (47) 05.10.2022 (87) EP2013073447 05.06.2014 (22) 08.11.2013	(73) Starlinger & Co Gesellschaft m.b.H. (72) NEUMÜLLER, Norbert DOPPLER, Michael SCHWARZENECCKER, Walter PÖLLERITZER, Niklas (31) 18204928 (32) 07.11.2018 (33) European Patent Office (EPO)
(73) Hewlett-Packard Development Company, L.P.	(54) METHOD FOR PROCESSING A FIBER-PLASTIC COMPOSITE OF A ROTOR BLADE, SEMIFINISHED PRODUCT IN THE FORM OF A BUILT- UP COMPOSITE, AND UV LAMP FOR CURING A UV-CURABLE MATRIX MATERIAL	(51) B32B 1/08 B32B 3/08 B32B 3/12 B32B 3/26 B32B 5/02 B32B 5/18 B32B 5/24 B32B 5/26 B32B 7/12 B32B 27/06 B32B 27/08 B32B 27/12 B32B 27/28 B32B 27/30
(72) MOROVIC, Jan MOROVIC, Peter GARCIA REYERO VINAS, Juan Manuel	(73) Wobben Properties GmbH (72) HESSE, Ingo (31) 102012221942 (32) 30.11.2012 (33) Germany	(11) EP3613579 (21) EP19192673.2 (47) 05.10.2022 (22) 20.08.2019 (54) SOUND ABSORBING DUCT FOR ENVIRONMENTAL CONTROL SYSTEM
(51) B29C 70/38 B29C 70/06	(51) B29D 11/00 G02B 1/14 G02B 1/18 G02B 1/04 G02B 1/10	(73) The Boeing Company (72) VANDYKE, Bryce A. WEST, John Erik MABEN, Douglas D. FUNG, Andrew K. CANNAL, David R.C.
(11) EP3597412 (21) EP18767107.8 (47) 05.10.2022 (87) JP2018001789 20.09.2018 (22) 22.01.2018 (54) SHAPING DEVICE FOR FIBER MATERIAL AND SHAPING METHOD FOR FIBER MATERIAL	(11) EP2718750 (21) EP11729220.1 (47) 05.10.2022 (87) US2011040201 20.12.2012 (22) 13.06.2011 (54) METHOD FOR OBTAINING OPTICAL ARTICLES HAVING SUPERIOR ABRASION RESISTANT PROPERTIES, AND COATED ARTICLES PREPARED ACCORDING TO SUCH METHOD	(31) 201816105864 (32) 20.08.2018 (33) United States of America
(73) Subaru Corporation (72) TAKAGI, Saori HAMAMOTO, Yohei (31) 2017052383 (32) 17.03.2017 (33) Japan	(73) Essilor International (72) WEST, Karen	(51) B32B 3/04

B64C 1/00	B32B 5/08	C09D 161/04
B64C 3/00	B32B 5/10	C09D 167/00
(11) EP3730284	B32B 5/12	C09D 201/00
(21) EP20170227.1	B32B 5/26	C08L 79/08
(47) 05.10.2022	B32B 7/02	(11) EP3219485
(22) 17.04.2020	B32B 17/04	(21) EP15858737.8
(54) COMPOSITE PANEL SYSTEMS AND METHODS	B64C 1/40	(47) 05.10.2022
(73) The Boeing Company	E04B 1/84	(87) JP2015078902
(72) SWITZER, Lon E.	G10K 11/00	19.05.2016
(31) 201916394153	(11) EP3782811	(22) 13.10.2015
(32) 25.04.2019	(21) EP19382719.3	(54) COATED METAL PIPE FOR VEHICLE PIPING
(33) United States of America	(47) 05.10.2022	(73) Sanoh Industrial Co., Ltd.
(51) B32B 3/08	(22) 21.08.2019	(72) KAWAI Naoki
B32B 3/12	(54) SOUND WAVES ABSORBING LAMINATE COMPOSITE MATERIAL STRUCTURE	KON Takanori
B32B 3/28	(73) Airbus Operations, S.L.U.	KUSUNOKI Norinobu
B32B 5/02	(72) OLMO MORA, Raúl	SUGITANI Akira
B32B 5/26	BLANCO VARELA, Tamara	(31) 2014228118
B32B 7/05	(51) B32B 7/02	(32) 10.11.2014
B32B 7/12	B32B 17/06	(33) Japan
B32B 15/04	B32B 38/00	(51) B32B 27/36
B32B 27/08	G02B 5/20	C08G 63/16
B32B 29/00	G02B 5/00	C08L 67/02
B32B 3/26	G02B 5/08	B33Y 70/00
H05K 1/02	H04M 1/02	(11) EP3347202
H05K 1/18	(11) EP3768508	(21) EP16767063.7
(11) EP3715104	(21) EP19843449.0	(47) 05.10.2022
(21) EP19218957.9	(47) 05.10.2022	(87) US2016048522
(47) 05.10.2022	(87) KR2019009683	16.03.2017
(22) 20.12.2019	06.02.2020	(22) 25.08.2016
(54) SYSTEMS AND METHODS FOR CREATING A HONEYCOMB CORE WITH INTEGRATED ELECTRONIC COMPONENTS	(22) 02.08.2019	(54) COMPOSITIONS FOR THE PRODUCTION OF OBJECTS USING ADDITIVE MANUFACTURING
(73) The Boeing Company	(54) COVER GLASS AND ELECTRONIC DEVICE COMPRISING THE SAME	(73) Eastman Chemical Company
(72) DREXLER, Jason	(73) Samsung Electronics Co., Ltd.	(72) GARDET, Ludovic, Claude, Robert
WANG, Xiaoxi	(72) HA, Dohyung	(31) 201615245221
WILDE, John C.	SHIN, Sungmin	201562215950 P
(31) 201916363565	KIM, Kisung	(32) 24.08.2016
(32) 25.03.2019	PARK, Minhoo	09.09.2015
(33) United States of America	(31) 20180090330	(33) United States of America
(51) B32B 3/18	(32) 02.08.2018	United States of America
B29C 70/20	(33) Korea (Republic)	(51) B32B 37/02
B32B 3/06	(51) B32B 15/01	(11) EP3332964
B32B 3/26	A47J 36/00	(21) EP18150180.0
B32B 5/02	A47J 36/02	(47) 05.10.2022
B32B 5/06	A47J 27/00	(22) 17.02.2014
B32B 5/12	A47J 37/10	(54) LAMINATION TRANSFER FILMS FOR FORMING EMBEDDED NANOSTRUCTURES
B32B 5/26	(11) EP3475080	(73) 3M Innovative Properties Co.
B32B 7/05	(21) EP17816279.8	(72) Free, Michael Benton
E04C 2/10	(47) 05.10.2022	Wolk, Martin B.
E04C 2/34	(87) US2017038967	Vogel-Martin, Margaret M.
(11) EP3760428	28.12.2017	Schwartz, Evan L.
(21) EP20179954.1	(22) 23.06.2017	Mazurek, Mieczyslaw H.
(47) 05.10.2022	(54) NICKEL-FREE METALLIC COOKWARE WITH GOOD CORROSION PROPERTIES AND THE METHOD OF MAKING THE SAME	Kamrath, Robert F.
(22) 15.06.2020	(73) EMS ENGINEERED MATERIALS SOLUTIONS, LLC	Collier, Terry O.
(54) COMPOUND COMPONENT AND METHOD FOR MANUFACTURING SAME	(72) RANGANATHAN, Rajesh	Benson, Olester Jr.
(73) Technische Universität Dresden	LAGRECA, Bruce	(31) 201313778276
(72) VORHOF, Michael	(31) 201662354337 P	(32) 27.02.2013
SCHEGNER, Philipp	(32) 24.06.2016	(33) United States of America
HOFFMANN, Gerald	(33) United States of America	(51) B33Y 10/00
CHERIF, Chokri	(51) B32B 15/08	(11) EP3843976
(31) 102019118298	B32B 1/08	(21) EP19782778.5
(32) 05.07.2019	B32B 15/088	(47) 05.10.2022
(33) Germany	C09D 5/00	(87) NL2019050556
(51) B32B 5/02		05.03.2020
		(22) 30.08.2019



- (54) METHODS AND SYSTEMS FOR LAYERED DEPOSITION MODELLING WITH REINFORCED INTERLAYER CONNECTIONS  
 (73) Ultimaker B.V.  
 (72) VAN KESSEL, Jakobus Josephus HEIJMANS, Tom  
 (31) 2021537  
 (32) 31.08.2018  
 (33) Netherlands
- 
- (51) B33Y 10/00  
 B33Y 30/00  
 B22F 3/105  
 B29C 64/153  
 B29C 64/218  
 B29C 64/241  
 B22F 10/20  
 B22F 12/00  
 B29C 64/135  
 (11) EP3263338  
 (21) EP17178266.7  
 (47) 05.10.2022  
 (22) 28.06.2017  
 (54) METHOD FOR GENERATING A THREE-DIMENSIONAL OBJECT  
 (73) EOS GmbH Electro Optical Systems  
 (72) PERRET, Hans MARKL, Stefanie  
 (31) 102016211949  
 (32) 30.06.2016  
 (33) Germany
- 
- (51) B33Y 40/00  
 B29C 64/153  
 B29C 64/241  
 B29C 64/321  
 B29C 64/35  
 B25H 1/18  
 B22F 12/00  
 B22F 10/70  
 B22F 10/20  
 B33Y 30/00  
 B23Q 3/06  
 (11) EP3486006  
 (21) EP18204063.4  
 (47) 05.10.2022  
 (22) 02.11.2018  
 (54) DEVICE FOR STORING AND HOLDING A COATER UNIT OF A METAL 3D PRINTER  
 (73) Werling, Marco  
 (72) Werling, Marco  
 (31) 102017127161  
 (32) 17.11.2017  
 (33) Germany
- 
- (51) B41J 2/14  
 B41J 2/16  
 B41J 29/02  
 B41J 2/175  
 B41J 25/34  
 B41J 2/165  
 (11) EP3532295  
 (21) EP16920281.9  
 (47) 05.10.2022  
 (87) US2016059780  
 03.05.2018  
 (22) 31.10.2016  
 (54) PRINTING SUBASSEMBLY
- (73) Hewlett-Packard Development Company, L.P.  
 (72) WILLIAMS, Kenneth DRIGGERS, Matt G. MCFADDEN, Bruce A. OSBORNE, William
- 
- (51) B41J 2/175  
 (11) EP3653390  
 (21) EP19219484.3  
 (47) 05.10.2022  
 (22) 31.07.2017  
 (54) PRINTING-FLUID CARTRIDGE AND SYSTEM USING THE SAME  
 (73) BROTHER KOGYO KABUSHIKI KAISHA  
 (72) MIYAO, Takahiro
- 
- (51) B41J 11/00  
 B41J 3/407  
 (11) EP3722100  
 (21) EP20168575.7  
 (47) 05.10.2022  
 (22) 07.04.2020  
 (54) PRINTING APPARATUS  
 (73) Seiko Epson Corporation  
 (72) HORIE, Seijun KOBAYASHI, Hiroyuki HORIKAWA, Yoshihisa  
 (31) 2019074634  
 (32) 10.04.2019  
 (33) Japan
- 
- (51) B41J 11/00  
 B41J 11/46  
 (11) EP3278996  
 (21) EP17183327.0  
 (47) 05.10.2022  
 (22) 26.07.2017  
 (54) PRINTER  
 (73) Fujitsu Component Limited  
 (72) OGUCHI, Tatsuya WATANABE, Sumio MORI, Yukihito TSUCHIYA, Masahiro  
 (31) 2016153188  
 (32) 03.08.2016  
 (33) Japan
- 
- (51) B41K 1/40  
 B41K 1/42  
 (11) EP3914455  
 (21) EP20703929.8  
 (47) 05.10.2022  
 (87) AT2020060025  
 30.07.2020  
 (22) 27.01.2020  
 (54) HAND-OPERATED STAMP HAVING A TILTING ELEMENT  
 (73) COLOP STEMPERLEZEUGUNG SKOPEK GESELLSCHAFT M.B.H. & CO. KG.  
 (72) WILFLINGSIEDER, Johann  
 (31) 500582019  
 (32) 25.01.2019  
 (33) Austria
- 
- (51) B41M 3/18  
 B41J 11/00  
 (11) EP2942201  
 (21) EP15169902.2  
 (47) 05.10.2022  
 (22) 29.05.2009
- (54) METHOD FOR MANUFACTURING DECORATIVE PAPER AND DIGITAL PRINTING APPARATUS FOR CARRYING OUT THE METHOD  
 (73) Flooring Industries Limited, SARL  
 (72) TÜNTE, Udo SCHWITTE, Richard PETERSEN, Frank  
 (31) 102008030955  
 (32) 02.07.2008  
 (33) Germany
- 
- (51) B60B 9/24  
 B60B 9/28  
 B60G 17/08  
 F15B 15/28  
 B60B 9/26  
 B60B 27/00  
 (11) EP3823841  
 (21) EP19745943.1  
 (47) 05.10.2022  
 (87) US2019041769  
 23.01.2020  
 (22) 15.07.2019  
 (54) WHEEL ASSEMBLY INCLUDING RELATIVE MOVEMENT SENSOR AND RELATED METHODS  
 (73) GACW Incorporated  
 (72) KEMENY, Zoltan  
 (31) 201816237486  
 201862764138 P  
 (32) 31.12.2018  
 19.07.2018  
 (33) United States of America  
 United States of America
- 
- (51) B60C 1/00  
 C08K 3/04  
 C08K 5/101  
 C08K 5/14  
 C08L 23/06  
 (11) EP3840960  
 (21) EP19752187.5  
 (47) 05.10.2022  
 (87) EP2019071645  
 27.02.2020  
 (22) 13.08.2019  
 (54) TYRE HAVING A COMPOSITION COMPRISING AN ETHYLENE-RICH ELASTOMER, A PEROXIDE AND A SPECIFIC ACRYLATE DERIVATIVE  
 (73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  
 (72) PIBRE, Guillaume MESSINA, Andrea GORNARD, Benjamin  
 (31) 1857604  
 (32) 23.08.2018  
 (33) France
- 
- (51) B60C 1/00  
 C08K 3/04  
 C08K 5/101  
 C08K 5/14  
 C08L 23/06  
 (11) EP3840961  
 (21) EP19752188.3  
 (47) 05.10.2022  
 (87) EP2019071647  
 27.02.2020  
 (22) 13.08.2019

(54) TYRE HAVING A COMPOSITION COMPRISING AN ETHYLENE-RICH ELASTOMER, A PEROXIDE AND A SPECIFIC ACRYLATE DERIVATIVE	(73) Sumitomo Rubber Industries, Ltd.	(22) 31.08.2018
(73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	(72) ARAI, Hiroshi	(54) PNEUMATIC TIRE
(72) PIBRE, Guillaume	(31) 2019091582	(73) Sumitomo Rubber Industries, Ltd.
(73) MESSINA, Andrea	(32) 14.05.2019	(72) YOSHIZUMI Takuma
(73) GORNARD, Benjamin	(33) Japan	NAKAJIMA Hiroki
(31) 1857606	(51) B60C 11/13	(31) 2017175254
(32) 23.08.2018	B60C 11/03	(32) 12.09.2017
(33) France	B60C 11/12	(33) Japan
(51) B60C 1/00	(11) EP3833552	(51) B60C 19/00
C08L 9/06	(21) EP19753011.6	B60C 23/04
(11) EP3608126	(47) 05.10.2022	(11) EP3774401
(21) EP19189561.4	(87) EP2019071166	(21) EP19719555.5
(47) 05.10.2022	13.02.2020	(47) 05.10.2022
(22) 01.08.2019	(22) 07.08.2019	(87) FR2019050706
(54) TREAD RUBBER COMPOSITION AND PNEUMATIC TIRE	(54) TYRE TREAD	03.10.2019
(73) SUMITOMO RUBBER INDUSTRIES, LTD.	(73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	(22) 27.03.2019
(72) WATANABE, Kenya	(72) HEROLD, Nicolas	(54) RADIO FREQUENCY TRANSPONDER FOR A TIRE
(31) 2018147630	(31) 1857414	(73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
(32) 06.08.2018	(32) 09.08.2018	(72) DESTRAVES, Julien
(33) Japan	(33) France	CARO, Thomas
(51) B60C 5/22	(51) B60C 11/16	CLERGEAT, Jean-Mathieu
(11) EP3823842	(11) EP3507108	COUTURIER, Laurent
(21) EP19745220.4	(21) EP17762238.8	PORTIER, Guillaume
(47) 05.10.2022	(47) 05.10.2022	(31) 1852837
(87) GB2019052006	(87) NL2017050573	(32) 30.03.2018
23.01.2020	08.03.2018	(33) France
(22) 18.07.2019	(22) 30.08.2017	(51) B60C 23/00
(54) TYRE	(54) TIRE WITH MEANS FOR SETTING OUT STUDS AT THE TIRE SURFACE, AND METHOD	F16K 37/00
(73) Automotive Fusion Limited	(73) Drive Technology Holland Ltd.	F16K 15/20
(72) HALL, Gregory John	(72) VAN TILBURG, Marinus Johannes cornelis	(11) EP3303013
(73) KUBBA, Ali Essam	ESSENS, Henricus Josephus Maria	(21) EP16725158.6
(31) 201811752	DE WIJS, Johannes Constant Maria	(47) 05.10.2022
(32) 18.07.2018	VAN KASTEREN, Hubertus Hendrikes	(87) EP2016062011
(33) United Kingdom	Adrianus	08.12.2016
(51) B60C 9/00	(31) 2017415	(22) 27.05.2016
B29C 70/20	(32) 05.09.2016	(54) CENTRAL TYRE INFLATION SYSTEM AND METHOD
B60C 9/04	(33) Netherlands	(73) Jaguar Land Rover Limited
B60C 9/20	(51) B60C 17/00	(72) KING, Paul
B60C 9/22	B60C 23/04	(31) 201509438
(11) EP3740384	(11) EP3642054	201509437
(21) EP18825869.3	(21) EP18732841.4	(32) 01.06.2015
(47) 05.10.2022	(47) 05.10.2022	01.06.2015
(87) EP2018083256	(87) FR2018051259	(33) United Kingdom
25.07.2019	27.12.2018	United Kingdom
(22) 03.12.2018	(22) 31.05.2018	(51) B60C 23/02
(54) REINFORCING PLY FOR ARTICLES CONSISTING OF AN ELASTOMERIC MATERIAL, AND VEHICLE PNEUMATIC TYRES	(54) TIRE ADAPTED FOR RUNFLAT OPERATING AND EMBEDDING AN ELECTRONIC DEVICE	G01L 17/00
(73) Continental Reifen Deutschland GmbH	(73) Compagnie Générale des Etablissements Michelin	B60C 23/04
(72) KRAMER, Thomas	(72) GRECO, Mathieu	(11) EP3792084
(31) 102018200634	GLIBERT, Séverine	(21) EP18918069.8
(32) 16.01.2018	MUHLHOFF, Olivier	(47) 05.10.2022
(33) Germany	(31) 1755690	(87) JP2018017583
(51) B60C 11/03	(32) 22.06.2017	14.11.2019
B60C 11/12	(33) France	(22) 07.05.2018
B60C 11/13	(51) B60C 19/00	(54) TIRE PRESSURE WARNING DEVICE
(11) EP3828011	B60C 13/00	(73) NISSAN MOTOR CO., LTD.
(21) EP21152672.8	B60C 15/06	(72) ARAI, Takahisa
(47) 05.10.2022	(11) EP3677451	(51) B60G 7/00
(22) 14.04.2020	(21) EP18857129.3	(11) EP3524450
(54) TYRE TREAD	(47) 05.10.2022	(21) EP19150792.0
	(87) JP2018032463	(47) 05.10.2022
	21.03.2019	(22) 08.01.2019
		(54) ARM COMPONENT AND MANUFACTURING METHOD THEREFOR
		(73) TOYOTA JIDOSHA KABUSHIKI KAISHA

(72) NAGATANI, Takaaki KOJIMA, Katsuhiko	F04D 17/16 F04D 25/08	(51) B60H 1/32 (11) EP3210807
(31) 2018021804	F04D 29/08	(21) EP17156269.7
(32) 09.02.2018	F04D 29/70	(47) 05.10.2022
(33) Japan	(11) EP3744542	(22) 15.02.2017
(51) B60G 17/00	(21) EP19778145.3	(54) METHOD FOR CONTROLLING THE OPERATION OF A COMPRESSOR PROVIDED IN AN AIR-CONDITIONING SYSTEM OF A MOTOR VEHICLE
(11) EP3898297	(47) 05.10.2022	(73) Valeo Japan Co., Ltd.
(21) EP19820678.1	(87) JP2019010657	(72) KHANCHOUL, Mohamed
(47) 05.10.2022	03.10.2019	(31) 1600314
(87) EP2019083507	(22) 14.03.2019	(32) 24.02.2016
25.06.2020	(54) BLOWING DEVICE FOR VEHICLE AIR CONDITIONING	(33) France
(22) 03.12.2019	(73) Japan Climate Systems Corporation	(51) B60J 10/17
(54) METHOD FOR ADAPTING THE TRANSFER FUNCTION OF A VEHICLE ACTIVE CHASSIS SUSPENSION	(72) TANAKA Takeshi YONEHARA Shinji HAKATA Toshiki	(11) EP3408121
(73) Continental Automotive Technologies GmbH	(31) 2018060425	(21) EP17700274.8
(72) SMITS, Thomas	(32) 27.03.2018	(47) 05.10.2022
(31) 102018222762	(33) Japan	(87) EP2017050444
(32) 21.12.2018	(51) B60H 1/00	03.08.2017
(33) Germany	B62D 33/06	(22) 11.01.2017
(51) B60G 21/055	B60H 3/06	(54) PROFILE STRIP FOR A MOTOR VEHICLE AND PROFILE STRIP PRODUCTION METHOD
(11) EP3661774	(11) EP3424759	(73) Cooper Standard GmbH
(21) EP18758945.2	(21) EP18163119.3	(72) SCHMID, Thomas
(47) 05.10.2022	(47) 05.10.2022	SCHRAMM, Dominik
(87) FR2018051977	(22) 21.03.2018	(31) 102016101312
07.02.2019	(54) CABIN CANOPY FOR AN AGRICULTURAL WORK VEHICLE	(32) 26.01.2016
(22) 01.08.2018	(73) CLAAS Selbstfahrende Erntemaschinen GmbH	(33) Germany
(54) METHOD OF MANUFACTURING OF A STABILISER ASSEMBLY FOR A VEHICLE	(72) BEHNKE, Alexander DEPPE, Markus DANNIGKEIT, Florian	(51) B60J 10/21
(73) Sogefi Suspensions	(31) 102017115125	(11) EP3515737
(72) BOUDIER, Pascal	(32) 06.07.2017	(21) EP17768030.3
ACHTIOUI, Touria	(33) Germany	(47) 05.10.2022
RHEIN, Jacky	(51) B60H 1/00	(87) EP2017071842
VILLETTE, Maud	F04D 29/40	29.03.2018
(31) 1757412	F04D 29/42	(22) 31.08.2017
(32) 02.08.2017	F04D 29/62	(54) SEAL ARRANGEMENT FOR A VEHICLE WINDOW, A SEAL COMPOSITE AND FABRICATION METHOD FOR A SEAL COMPOSITE
(33) France	(11) EP3744541	(73) Cooper Standard GmbH
(51) B60H 1/00	(21) EP19776865.8	(72) KREFTA, Tomasz
B60H 1/03	(47) 05.10.2022	HAUPT, Lutz
F24F 3/147	(87) JP2019010658	(31) 102016117957
F28D 9/00	03.10.2019	(32) 23.09.2016
F28D 21/00	(22) 14.03.2019	(33) Germany
(11) EP3271676	(54) BLOWING DEVICE FOR VEHICLE AIR CONDITIONING	(51) B60K 6/48
(21) EP16721930.2	(73) Japan Climate Systems Corporation	B60K 6/383
(47) 05.10.2022	(72) TANAKA Takeshi HAKATA Toshiki YONEHARA Shinji	B60K 6/387
(87) IB2016051512	(31) 2018060431	B60K 6/365
22.09.2016	(32) 27.03.2018	B60K 6/547
(22) 17.03.2016	(33) Japan	F16H 3/72
(54) EXCHANGE ELEMENT FOR PASSENGER CABIN AND PASSENGER CABIN EQUIPPED WITH SUCH AN EXCHANGE ELEMENT	(51) B60H 1/22	F16H 3/44
(73) Zehnder Group International AG	(11) EP3845403	(11) EP3762248
(72) HIRSCH, Christian	(21) EP20210553.2	(21) EP19706416.5
(31) 1012016	(47) 05.10.2022	(47) 05.10.2022
5482015	(22) 30.11.2020	(87) EP2019053255
3872015	(54) HEAT EXCHANGER HOUSING	12.09.2019
(32) 16.12.2015	(73) Eberspächer Climate Control Systems GmbH	(22) 11.02.2019
21.04.2015	(72) Humburg, Michael	(54) DRIVE TRAIN HAVING AN ELECTRIC MACHINE
17.03.2015	Jensen, Hans	(73) Magna PT B.V. & Co. KG
(33) Switzerland	(31) 102020100050	Getrag Ford Transmissions GmbH
Switzerland	(32) 03.01.2020	(72) GULLASCH, Jens
Switzerland	(33) Germany	BRESK, Marcel
(51) B60H 1/00		GÜTLINGER, Johannes
B60H 1/32		
F04D 29/42		

HEGERATH, Andreas	(22) 25.07.2018	PRUEFER, Marco
(31) 102018203563	(54) METHOD FOR OPERATING A LONG-STATOR LINEAR MOTOR WITH	SIMEONIDIS, Antonios
(32) 08.03.2018	TRANSPORT UNITS AND COLLISION	(31) 102019122310
(33) Germany	MONITORING	102019109214
(51) B60K 35/00	(73) B&R Industrial Automation GmbH	(32) 20.08.2019
(11) EP3820726	(72) Huber, Stefan	08.04.2019
(21) EP18766036.0	Walter, Dominic	(33) Germany
(47) 05.10.2022	Reichenwallner, Benjamin	Germany
(87) IB2018055194	(51) B60L 13/08	(51) B60N 2/235
16.01.2020	B60L 13/03	(11) EP3947031
(22) 13.07.2018	B65G 54/02	(21) EP20712281.3
(54) OPTICAL FLOW FOR MOTION	H02P 6/00	(47) 05.10.2022
SICKNESS REDUCTION	(11) EP3385110	(87) EP2020057048
(73) Bosch Car Multimedia Portugal, S.A.	(21) EP18161643.4	01.10.2020
(72) AGUIAR RIBEIRO, Nuno Miguel	(47) 05.10.2022	(22) 16.03.2020
CASTRO VILAS BOAS, Vera Patricia	(22) 14.03.2018	(54) FITTING ARRANGEMENT HAVING
DUARTE DIAS, Sérgio Jesus	(54) METHOD FOR CONTROLLING THE	SEALED BEARING BUSH
GOMES FERREIRA, João Pedro	NORMAL FORCE OF A TRANSPORT	(73) Brose Fahrzeugteile SE & Co.
VILLAMARIZ DO NASCIMENTO, Rafael	UNIT OF A LINEAR MOTOR WITH	Kommanditgesellschaft, Coburg
(31) 2018110832	GUIDEWAY STATOR	(72) SCHUKALSKI, Jürgen
(32) 10.07.2018	(73) B&R Industrial Automation GmbH	HOFMANN, Jochen
(33) Portugal	(72) Weber, Andreas	HAUSMANN, Peter
(51) B60K 35/00	Spanlang, Franz	(31) 102019204339
B60R 1/00	(31) 502262017	(32) 28.03.2019
B60R 1/12	(32) 21.03.2017	(33) Germany
(11) EP3453557	(33) Austria	(51) B60N 2/62
(21) EP18189666.3	(51) B60L 53/16	B60R 7/04
(47) 05.10.2022	H01R 24/86	B60N 2/68
(22) 20.08.2018	H01R 107/00	(11) EP3725588
(54) IMAGE DISPLAY APPARATUS	(11) EP3756933	(21) EP20168347.1
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(21) EP19020409.9	(47) 05.10.2022
(72) INAGAKI, Shoji	(47) 05.10.2022	(22) 07.04.2020
ASAI, Goro	(22) 28.06.2019	(54) VEHICLE SEAT FOR A MOTOR
SUGIHARA, Kunihiro	(54) CHARGING CONNECTOR AND	VEHICLE
IIDA, Tomoaki	CHARGING CONNECTION SYSTEM	(73) Volkswagen Aktiengesellschaft
(31) 2018094019	(73) eLoaded GmbH	(72) Busch, Christian
2017171071	(72) Steinbacher, Frank	Cafaro, Mirna
(32) 15.05.2018	(51) B60M 3/04	Walter, Helmut
06.09.2017	(11) EP3492309	Lahl, Benedikt
(33) Japan	(21) EP17852412.0	Pyatov, Nikita
Japan	(47) 05.10.2022	Hartmann, Stephan
(51) B60L 3/00	(87) CN2017102830	(31) 102019205421
B60L 3/04	29.03.2018	(32) 15.04.2019
B60L 53/10	(22) 22.09.2017	(33) Germany
B60L 53/30	(54) AUTOMATIC PASSING PHASE-	(51) B60N 2/70
B60L 53/31	SEPARATION SYSTEM FOR SECTION	(11) EP3842285
H02J 7/00	POST OF ELECTRIFIED RAILWAY, AND	(21) EP20217245.8
H02J 7/34	CONTROL METHOD THEREFOR	(47) 05.10.2022
(11) EP3589513	(73) Southwest Jiaotong University	(22) 24.12.2020
(21) EP18708127.8	LI, Qunzhan	(54) LIGHT SUSPENSION SHEET FOR THE
(47) 05.10.2022	LI, Qunzhan	SITTING AREA OF A VEHICLE SEAT
(87) EP2018055290	(31) 201610844202	(73) Renault s.a.s
07.09.2018	(32) 23.09.2016	Comatel Casuel
(22) 05.03.2018	(33) China	(72) BARRIERE, Hervé
(54) CHARGING SYSTEM	(51) B60N 2/16	REMACLE, Henri
(73) ABB Schweiz AG	B60N 2/02	SOUVILLE, Philippe
(72) KOOLEN, Gertjan	(11) EP3953211	(31) 1915615
VAN-DER-HEIJDEN, Jim	(21) EP207171116.6	(32) 26.12.2019
(31) 17159147	(47) 05.10.2022	(33) France
(32) 03.03.2017	(87) EP2020058888	(51) B60N 2/879
(33) European Patent Office (EPO)	15.10.2020	B60N 2/885
(51) B60L 13/03	(22) 30.03.2020	B60N 2/80
B65G 54/02	(54) VEHICLE SEAT	H04R 5/02
H02K 41/025	(73) Adient US LLC	B60R 11/00
H02K 41/03	(72) ANDO, Michal	B60R 11/02
(11) EP3599127	CEVIK, Murat	H04R 1/02
(21) EP18185540.4	CHIRAYATH, Pinto Thomas	(11) EP3429888
(47) 05.10.2022		(21) EP17711979.9

(47) 05.10.2022	(87) JP2016050058	(11) EP3835133
(87) US2017021481	21.07.2016	(21) EP20213097.7
21.09.2017	(22) 05.01.2016	(47) 05.10.2022
(22) 09.03.2017	(54) CONTROL DEVICE FOR VEHICULAR	(22) 10.12.2020
(54) SPEAKER GRILL ASSEMBLY FOR	LAMP, AND VEHICULAR LAMP	(54) DEVICE FOR PLACING AN OBJECT
VEHICLE SEATS	SYSTEM	ON A VEHICLE ROOF
(73) Bose Corporation	(73) Koito Manufacturing Co., Ltd.	(73) Sauvager, Alain
(72) SUBAT, Bradford, Kyle	(72) KASABA, Yusuke	(72) Sauvager, Alain
OSWALD, Charles	YAMAZAKI, Masashi	(31) 1914384
(31) 201615071631	TODA, Atsushi	(32) 13.12.2019
(32) 16.03.2016	(31) 2015019468	(33) France
(33) United States of America	2015010181	(51) B60R 11/00
(51) B60N 2/90	2015005108	(11) EP3812214
B60N 2/02	(32) 03.02.2015	(21) EP20203769.3
(11) EP3938240	22.01.2015	(47) 05.10.2022
(21) EP20712490.0	14.01.2015	(22) 26.10.2020
(47) 05.10.2022	(33) Japan	(54) COMMERCIAL VEHICLE WITH
(87) EP2020056749	Japan	HOLDING SYSTEM FOR ELECTRONIC
24.09.2020	Japan	DEVICES
(22) 13.03.2020	(51) B60Q 1/38	(73) CNH Industrial Italia S.p.A.
(54) LOWER LEG SUPPORT DEVICE FOR A	B62J 6/05	(72) Schmutzer, Markus
VEHICLE SEAT, AND VEHICLE SEAT	B60Q 1/52	(31) 201900003822 U
(73) VOLKSWAGEN	B60Q 1/46	(32) 24.10.2019
AKTIENGESELLSCHAFT	F21S 43/31	(33) Italy
(72) STAHL, Arne	F21S 43/27	(51) B60R 11/00
BRÜCKNER, Tim	F21S 43/20	B08B 15/00
KÖHLER, Matthias	F21S 43/14	F01N 13/08
BUSCH, Christian	B60Q 1/26	F16B 1/00
(31) 102019203553	F21S 41/143	F16B 47/00
(32) 15.03.2019	F21V 7/00	(11) EP3239002
(33) Germany	G02B 19/00	(21) EP17166416.2
(51) B60N 3/00	G02B 27/09	(47) 05.10.2022
B60N 2/42	F21S 41/32	(22) 13.04.2017
B60N 2/427	(11) EP3929035	(54) EXHAUST GAS EXTRACTOR
B61D 37/00	(21) EP21165286.2	(73) KORA GmbH
(11) EP3837135	(47) 05.10.2022	(72) Abd El Razek, Bahij
(21) EP19755271.4	(22) 26.03.2021	(31) 102016116394
(47) 05.10.2022	(54) MOTORCYCLE LIGHT FOR	102016107205
(87) AT2019060250	IMPLEMENTING AT LEAST ONE	(32) 01.09.2016
20.02.2020	LIGHTING FUNCTION	19.04.2016
(22) 06.08.2019	(73) Motogadget GmbH	(33) Germany
(54) TABLE FOR A VEHICLE	(72) KELLER, Garrit	Germany
(73) Seisenbacher GmbH	(31) 102020003849	(51) B60R 25/04
(72) BURGGRAF, Lorenz	(32) 26.06.2020	G06F 21/88
(31) 506882018	(33) Germany	G06F 21/44
(32) 13.08.2018	(51) B60R 1/04	G06F 21/30
(33) Austria	B60R 1/12	H04L 9/40
(51) B60P 7/08	G02B 27/01	H04L 67/12
B60N 2/015	G09G 3/00	(11) EP2025566
B64D 11/06	G02B 30/27	(21) EP08014229.2
(11) EP3694746	G02B 30/30	(47) 05.10.2022
(21) EP18702028.4	(11) EP3580603	(22) 08.08.2008
(47) 05.10.2022	(21) EP18751011.0	(54) Control method for authentication and
(87) US2018013431	(47) 05.10.2022	control device for boat
18.04.2019	(87) US2018016861	(73) Yamaha Hatsudoki Kabushiki Kaisha
(22) 12.01.2018	16.08.2018	(72) Okuyama, Takashi
(54) AIRCRAFT PASSENGER SEAT LEG	(22) 05.02.2018	(31) 2007209940
ANTI-RATTLE WITH POSITION	(54) VEHICLE DISPLAY COMPRISING	(32) 10.08.2007
RESTRICTION	PROJECTION SYSTEM	(33) Japan
(73) Safran Seats USA LLC	(73) Gentex Corporation	(51) B60R 25/34
(72) GILBERT, Klay E.	(72) WELLER, Andrew D.	B60R 25/045
(31) 201762570532 P	HOFFMEYER (NEE BECK), Leah R.	E05B 17/20
(32) 10.10.2017	PETERSON, John C.	G06F 21/88
(33) United States of America	(31) 201762457245 P	G06F 21/86
(51) B60Q 1/115	(32) 10.02.2017	(11) EP3604049
(11) EP3246205	(33) United States of America	(21) EP18187238.3
(21) EP16737230.9	(51) B60R 9/042	(47) 05.10.2022
(47) 05.10.2022	B60R 9/08	(22) 03.08.2018

(54) SECURE VEHICLE CONTROL UNIT	(33) United States of America	(54) COMBINED DIRT COLLECTOR AND CUTOUT COCK HAVING CONTROLLED VENTING
(73) Aptiv Technologies Limited	(51) B60T 13/26	(73) New York Air Brake, LLC
(72) Hars, Aurelien	B60T 13/68	(72) MCLAUGHLIN, Bryan, M.
Rieke, Matthias	B60T 17/22	VAUGHN, Lawrence, E.
(51) B60S 1/34	B61H 11/14	CALL, Derick
B60S 1/04	B60T 13/66	FERGUSON, Christopher, J.
B62D 25/06	(11) EP3636504	WOODRUFF, Joshua, D.
E02F 9/16	(21) EP17913354.1	ROWLAND, Danial
B60S 1/24	(47) 05.10.2022	(31) 201762576869 P
(11) EP3798065	(87) CN2017116851	(32) 25.10.2017
(21) EP20191092.4	20.12.2018	(33) United States of America
(47) 05.10.2022	(22) 18.12.2017	(51) B60W 30/095
(22) 14.08.2020	(54) A SYSTEM FOR CONTROLLING	G08G 1/16
(54) CAB FOR CONSTRUCTION MACHINE	BACKUP AIR BRAKE FOR A	B60W 40/04
(73) KOBELCO CONSTRUCTION	LOCOMOTIVE	(11) EP3024709
MACHINERY CO., LTD.	(73) CRRC Zhuzhou Locomotive Co., Ltd.	(21) EP14736843.5
(72) YAMAMOTO, Keiji	(72) MAO, Jinhu	(47) 05.10.2022
SHIMOI, Takuzo	QI, Bin	(87) EP2014064694
(31) 2019175799	FANG, Changzheng	29.01.2015
(32) 26.09.2019	WANG, Yan	(22) 09.07.2014
(33) Japan	HUANG, Jinhu	(54) EFFICIENTLY PROVIDING
(51) B60S 5/00	WU, Chaodong	OCCUPANCY INFORMATION ON THE
F16D 65/00	TAN, Zhaohui	SURROUNDINGS OF A VEHICLE
F16D 55/22	(31) 201710445530	(73) Bayerische Motoren Werke
B25B 27/00	(32) 13.06.2017	Aktiengesellschaft
(11) EP3730357	(33) China	(72) MANZ, Michael
(21) EP18892118.3	(51) B60T 13/66	VANHOLME, Benoit
(47) 05.10.2022	B60T 13/12	(31) 102013214632
(87) JP2018046553	(11) EP3868620	(32) 26.07.2013
27.06.2019	(21) EP21158322.4	(33) Germany
(22) 18.12.2018	(47) 05.10.2022	(51) B60W 40/13
(54) ROTATION RESTRICTION	(22) 22.02.2021	(11) EP3835161
MECHANISM FOR MAINTENANCE	(54) VEHICLE PROPELLED WITH A	(21) EP20210863.5
(73) Ishihara, Yozo	HYDROSTATIC DRIVE UNIT AND	(47) 05.10.2022
(72) Ishihara, Yozo	BRAKING METHOD	(22) 01.12.2020
(31) 2017244828	(73) CNH Industrial Italia S.p.A.	(54) VEHICLE MASS ESTIMATION DEVICE
(32) 21.12.2017	(72) Garramone, Adriano	(73) Sumitomo Rubber Industries, Ltd.
(33) Japan	Girardi, Mario	(72) MATSUDA, Takuya
(51) B60T 8/32	Gravili, Andrea	MAEDA, Yusuke
B66F 9/075	Liberti, Stefano	MURAKAMI, Keiichi
(11) EP3689691	(31) 202000003674	(31) 2019222821
(21) EP20154572.0	(32) 21.02.2020	(32) 10.12.2019
(47) 05.10.2022	(33) Italy	(33) Japan
(22) 30.01.2020	(51) B60T 13/74	(51) B60W 50/06
(54) BRAKE SYSTEM	B60T 11/18	B60W 50/00
(73) Kabushiki Kaisha Toyota Jidoshokki	B60T 7/04	(11) EP3828051
(72) Matsuki, Takanori	(11) EP3584132	(21) EP19212371.9
(31) 2019015961	(21) EP19185899.2	(47) 05.10.2022
(32) 31.01.2019	(47) 05.10.2022	(22) 29.11.2019
(33) Japan	(22) 18.07.2016	(54) IMPROVING VEHICLE DYNAMICS BY
(51) B60T 8/52	(54) ELECTROMECHANICAL BRAKE	PREDICTING THE LONGITUDINAL
F16D 65/18	BOOSTER AND BRAKE SYSTEM	ACCELERATION
(11) EP3727967	(73) Robert Bosch GmbH	(73) Robert Bosch GmbH
(21) EP18827012.8	(72) Bollwerk, Andre	(72) Gomori, Gergo
(47) 05.10.2022	Nagel, Willi	(51) B60W 60/00
(87) EP2018084979	Panunzio, Giammaria	B60W 50/08
27.06.2019	Weissinger, Daniel	B60W 50/10
(22) 14.12.2018	(31) 102015217522	(11) EP3456598
(54) WHEEL TORQUE SENSOR FOR	(32) 14.09.2015	(21) EP18174396.4
HIGHLY AUTOMATED DRIVING	(33) Germany	(47) 05.10.2022
VEHICLES	(51) B60T 17/04	(22) 25.05.2018
(73) Robert Bosch GmbH	(11) EP3700789	(54) VEHICLE CONTROL DEVICE
(72) HERRERA LOPEZ, Eduardo	(21) EP18756527.0	(73) LG Electronics Inc.
DANFORD, Kevin M.	(47) 05.10.2022	(72) CHOI, Heedong
STEELE, Samuel	(87) US2018044968	(31) 20170118912
(31) 201715852446	02.05.2019	(32) 15.09.2017
(32) 22.12.2017	(22) 02.08.2018	

(33) Korea (Republic)	(31) 102018220847	B62D 6/10
(51) B61D 17/02	(32) 03.12.2018	(11) EP3670300
(11) EP3694760	(33) Germany	(21) EP19209632.9
(21) EP17835843.8	(51) B62D 5/00	(47) 05.10.2022
(47) 05.10.2022	B62D 5/04	(22) 18.11.2019
(87) EP2017083775	B62D 6/00	(54) STEERING CONTROL SYSTEM AND
27.06.2019	(11) EP3740416	CONTROL METHOD THEREOF
(22) 20.12.2017	(21) EP19701168.7	(73) Mando Corporation
(54) TRIM ASSEMBLY FOR A VEHICLE	(47) 05.10.2022	(72) Lee, Kwanghyung
(73) Siemens Mobility Austria GmbH	(87) EP2019050871	(31) 20190013367
(72) CZERWINKA, Thomas	25.07.2019	20190011722
KREUZWEGER, David	(22) 15.01.2019	20180166102
MOSEER, Christian	(54) METHOD FOR CONTROLLING A	(32) 01.02.2019
PRIX, Alexander	STEER-BY-WIRE STEERING SYSTEM	30.01.2019
RINGSWIRTH, Jochen	WHEN A MAXIMUM AVAILABLE	20.12.2018
(51) B61L 15/00	POWER OF THE STEERING	(33) Korea (Republic)
B61L 3/00	ADJUSTER IS REACHED	Korea (Republic)
B60L 15/20	(73) thyssenkrupp Presta AG	Korea (Republic)
(11) EP3634829	thyssenkrupp AG	(51) B62D 15/02
(21) EP18739799.7	(72) POLMANS, Kristof	G01S 11/06
(47) 05.10.2022	ROHRMOSER, Manuel	G08G 1/14
(87) EP2018067902	(31) 102018101181	G08G 1/16
07.02.2019	(32) 19.01.2018	(11) EP3653471
(22) 03.07.2018	(33) Germany	(21) EP19209961.2
(54) METHOD AND DEVICE FOR	(51) B62D 5/00	(47) 05.10.2022
MONITORING A DRIVE OF A DRIVE	B62D 6/00	(22) 19.11.2019
SYSTEM OF A TRACK-BOUND	B62D 15/02	(54) PROJECTION APPARATUS FOR USE
VEHICLE	(11) EP3699062	WITH MOVABLE BODY, PORTABLE
(73) Siemens Mobility GmbH	(21) EP20157686.5	DEVICE, AND PROGRAM
(72) STINGL, Bernhard Andreas	(47) 05.10.2022	(73) Alpine Electronics, Inc.
WENNEKAMP, Fabian	(22) 17.02.2020	(72) Oikawa, Taku
(31) 102017213186	(54) STEERING SYSTEM	(31) 2019131368
(32) 31.07.2017	(73) JTEKT CORPORATION	2018216843
(33) Germany	(72) NAKADE, Tomohiro	(32) 16.07.2019
(51) B62B 7/08	SAKAI, Yuta	19.11.2018
(11) EP3552923	FUCHS, Robert	(33) Japan
(21) EP17877587.0	SHOJI, Naoki	Japan
(47) 05.10.2022	(31) 2019029571	(51) B62D 21/11
(87) CN2017099031	(32) 21.02.2019	B62D 21/15
14.06.2018	(33) Japan	(11) EP3774501
(22) 25.08.2017	(51) B62D 6/00	(21) EP19718594.5
(54) FOLDABLE STROLLER FRAME AND	(11) EP3878716	(47) 05.10.2022
FOLDABLE STROLLER	(21) EP21161702.2	(87) EP2019058632
(73) Jiangsu Little Dinosaur Children's	(47) 05.10.2022	10.10.2019
Products Group Co., Ltd.	(22) 10.03.2021	(22) 05.04.2019
(72) CAI, Shoujin	(54) STEERING CONTROLLER	(54) BODY STRUCTURE FOR A VEHICLE
(31) 201710174861	(73) JTEKT CORPORATION	(73) Audi AG
201611111214	(72) KODERA, Takashi	(72) ISAKIEWITSCH, Christian
(32) 22.03.2017	(31) 2020041992	(31) 102018205171
06.12.2016	(32) 11.03.2020	(32) 06.04.2018
(33) China	(33) Japan	(33) Germany
China	(51) B62D 7/18	(51) B62D 24/00
(51) B62D 1/184	B62D 6/00	(11) EP3715224
(11) EP3891041	B62D 11/24	(21) EP19166210.5
(21) EP19817983.0	B62D 11/00	(47) 05.10.2022
(47) 05.10.2022	B62D 7/08	(22) 29.03.2019
(87) EP2019083264	B62D 9/00	(54) A VEHICLE AND A METHOD OF
11.06.2020	(11) EP3564097	SIMULATING A DRIFTING/SKIDDING
(22) 02.12.2019	(21) EP19159342.5	MOVEMENT OF A VEHICLE
(54) CLAMPING APPARATUS FOR A	(47) 05.10.2022	(73) Ningbo Geely Automobile Research &
STEERING COLUMN AND STEERING	(22) 22.09.2011	Development Co. Ltd.
COLUMN FOR A MOTOR VEHICLE	(54) VEHICLE CONTROL SYSTEMS AND	(72) NILSSON, Magnus
(73) thyssenkrupp Presta AG	METHODS AND RELATED VEHICLES	LINDBERG NILSSON, Erik
thyssenkrupp AG	(73) MTD Products Inc	(51) B62D 25/20
(72) RIST, Sascha	(72) BUCHANAN, Peter	B62D 23/00
FLEISCHER, Martin	(51) B62D 15/02	B62D 33/06
GEISELBERGER, Thomas	B62D 5/04	B62D 33/02
AGBOR, Thomas		B60D 1/50

B62D 25/08	(87) DK2019050008	(54) VIBRATION DECOUPLING OF A PEDAL BEARING UNIT FOR AN ELECTRIC BICYCLE
(11) EP3617041	01.08.2019	(73) maxon international ag
(21) EP19192994.2	(22) 10.01.2019	(72) Juchli, Dominik
(47) 05.10.2022	(54) SPOILER ASSEMBLY	
(22) 22.08.2019	(73) Zenvo Automotive A/S	
(54) DRIVERS CAB FOR COMMERCIAL VEHICLE	(72) VOLLERTSEN, Troels	
(73) MAN Truck & Bus SE	(31) PA201800042	(51) B63B 27/24
(72) Rohrmüller, Hans	(32) 25.01.2018	B67D 9/02
Burger, Norbert	(33) Denmark	(11) EP3849895
Möller, Andreas	(51) B62D 53/00	(21) EP19765523.6
(31) 102018121210	B62D 53/08	(47) 05.10.2022
(32) 30.08.2018	F41A 33/06	(87) EP2019074430
(33) Germany	A63F 13/285	19.03.2020
(51) B62D 31/02	(11) EP3766768	(22) 12.09.2019
(11) EP3592632	(21) EP20170919.3	(54) SYSTEM FOR TRANSFER OF A FLUID PRODUCT
(21) EP18710102.7	(47) 05.10.2022	(73) FMC Technologies
(47) 05.10.2022	(22) 25.11.2015	(72) GATOUILLAT, Guillaume
(87) FR2018050423	(54) APPARATUS FOR HAPTIC SYSTEM	PAQUET, Stéphane
13.09.2018	(73) Hapttech, Inc.	(31) 1858332
(22) 22.02.2018	(72) MONTI, Kyle	(32) 14.09.2018
(54) SELF-SUPPORTING MODULE FRAME	(31) 201514808247	(33) France
(73) ALSTOM APTIS	201562170572 P	(51) B64C 1/06
(72) LAMANNA, Franck	201462085443 P	(11) EP3909843
NARDIN, Pascal	(32) 24.07.2015	(21) EP21167998.0
(31) 1751806	03.06.2015	(47) 05.10.2022
(32) 06.03.2017	28.11.2014	(22) 13.04.2021
(33) France	(33) United States of America	(54) ASSEMBLY FOR STIFFENING AN AIRCRAFT FUSELAGE, COMPRISING LONGITUDINAL STIFFENERS MADE UP OF PORTIONS JOINED TOGETHER
(51) B62D 33/06	United States of America	(73) AIRBUS OPERATIONS (S.A.S.)
B62D 33/02	United States of America	Airbus (S.A.S.)
B62D 65/04	(51) B62D 55/125	(72) TROUVE, Rodolphe
B62D 65/02	B62D 55/135	MARCHIPONT, Yann
B62D 33/077	(11) EP3173319	CABANAC, Jean-Pierre
(11) EP3617045	(21) EP16198002.4	DUPEROU, Thierry
(21) EP19193044.5	(47) 05.10.2022	QUINTIN, Rémi
(47) 05.10.2022	(22) 09.11.2016	(31) 2004759
(22) 22.08.2019	(54) DRIVING DRUM FOR TRACKED VEHICLES	(32) 14.05.2020
(54) MOTOR VEHICLE WITH A DRIVERS CAB TRAILER DEVICE	(73) Krauss-Maffei Wegmann GmbH & Co. KG	(33) France
(73) MAN Truck & Bus SE	(72) Wittmann, Christoph	(51) B64C 1/16
(72) Rohrmüller, Hans	Schiller, Silvio	B64C 1/40
Kondic, Darko	(31) 102015120608	B64C 3/32
Burger, Norbert	(32) 27.11.2015	(11) EP3782902
Möller, Andreas	(33) Germany	(21) EP20200223.4
Kusch, Willi	(51) B62J 9/24	(47) 05.10.2022
(31) 102018121209	B62J 9/27	(22) 30.08.2017
(32) 30.08.2018	B62J 7/04	(54) HEAT SHIELD FLANGE SLIDING JOINT
(33) Germany	(11) EP3849889	(73) The Boeing Company
(51) B62D 35/00	(21) EP19783371.8	(72) CONNELLY, Thomas J.
B62D 37/02	(47) 05.10.2022	LI, Linda M.
(11) EP3676162	(87) IB2019057688	(31) 201615254245
(21) EP18762302.0	19.03.2020	(32) 01.09.2016
(47) 05.10.2022	(22) 12.09.2019	(33) United States of America
(87) EP2018073543	(54) EASY-INSTALLATION TOP BOX FOR SADDLE VEHICLE	(51) B64C 11/30
07.03.2019	(73) Piaggio & C. S.P.A.	(11) EP3875363
(22) 31.08.2018	(72) CUTRÌ, Niccolò	(21) EP21155913.3
(54) DEPLOYMENT OF A BODYWORK AERODYNAMIC ELEMENT	DI CANDIA, Antonio	(47) 05.10.2022
(73) Compagnie Plastic Omnium	MENGONI, Roberto	(22) 09.02.2021
(72) PARRA, Stéphane	(31) 201800008554	(54) NOISE MITIGATION SYSTEM FOR AN UNDUCTED PROPULSIVE ROTOR OF AN AIRCRAFT
(31) 1758074	(32) 13.09.2018	(73) Rolls-Royce plc
(32) 01.09.2017	(33) Italy	(72) Hutchinson, Samuel
(33) France	(51) B62M 6/55	Smyth, Andrew
(51) B62D 35/00	B62M 3/00	(31) 202003264
B62D 37/02	(11) EP3782896	(32) 06.03.2020
(11) EP3743326	(21) EP19193152.6	
(21) EP19701150.5	(47) 05.10.2022	
(47) 05.10.2022	(22) 22.08.2019	



(33) United Kingdom	201715434836	(21) EP15784242.8
(51) B64C 21/00	(32) 16.02.2017	(47) 05.10.2022
B64F 5/00	16.02.2017	(87) US2015054568
(11) EP3686105	(33) United States of America	14.04.2016
(21) EP20152153.1	United States of America	(22) 07.10.2015
(47) 05.10.2022	(51) B64C 30/00	(54) PAIRED HERRINGBONE HIGH
(22) 16.01.2020	G01C 23/00	DENSITY BUSINESS CLASS SEATING
(54) SYSTEMS AND METHODS FOR	G08G 5/00	ARRANGEMENT
AIRCRAFT STRUCTURE SURFACE	B64D 43/00	(73) Safran Seats GB Limited
COVERS	B64D 45/00	(72) LORSIGNOL, Felix J.
(73) The Boeing Company	G01H 17/00	CLEARY, Matthew
(72) CRIVELLA, Michelle	(11) EP3476732	(31) 201462060874 P
BERDEN, Matthew	(21) EP18191039.9	(32) 07.10.2014
(31) 201916254101	(47) 05.10.2022	(33) United States of America
(32) 22.01.2019	(22) 27.08.2018	(51) B64D 27/02
(33) United States of America	(54) SYSTEMS AND METHODS	B64D 35/08
(51) B64C 25/18	FOR GENERATING AVIONIC	B64D 27/24
B64C 25/20	DISPLAYS INCLUDING FORECAST	F02C 7/268
B64C 25/22	OVERPRESSURE EVENT	F01D 15/10
B64C 25/26	SYMBOLOLOGY	F02C 6/14
(11) EP3712060	(73) Honeywell International Inc.	(11) EP3415436
(21) EP20167788.7	(72) SUDDRETH, John G	(21) EP18176967.0
(47) 05.10.2022	MENDEZ, Marisela	(47) 05.10.2022
(22) 07.12.2017	BALL, Jerry	(22) 11.06.2018
(54) NON-JAMMING SHRINK LATCH	GIDDINGS, Mark	(54) PROPULSION SYSTEM FOR AN
ASSEMBLY FOR RETRACTABLE	(31) 201715798692	AIRCRAFT
AIRCRAFT LANDING GEAR	(32) 31.10.2017	(73) General Electric Company
(73) Goodrich Corporation	(33) United States of America	(72) HON, Robert Charles
(72) LUCE, William E.	(51) B64C 39/02	GANSLER, Michael Thomas
(31) 201615378770	B64D 1/02	(31) 201715619673
(32) 14.12.2016	B64D 47/00	(32) 12.06.2017
(33) United States of America	B64D 1/12	(33) United States of America
(51) B64C 25/42	B64D 1/22	(51) B64D 33/02
B64C 1/22	(11) EP3842343	F02C 7/047
B64F 1/22	(21) EP21157640.0	(11) EP3590846
B60T 7/08	(47) 05.10.2022	(21) EP19183463.9
B60T 17/22	(22) 25.08.2014	(47) 05.10.2022
(11) EP2964525	(54) MECHANISMS FOR LOWERING A	(22) 28.06.2019
(21) EP14710956.5	PAYLOAD TO THE GROUND FROM A	(54) ENGINE ENCLOSURE AIR INLET
(47) 05.10.2022	UAV	SECTION
(87) IB2014000200	(73) Wing Aviation LLC	(73) Rohr, Inc.
12.09.2014	(72) Patrick, William Graham	(72) CHEN, Jason K.
(22) 25.02.2014	Burgess, James Ryan	ANDELSON, Phillip
(54) PARKING BRAKE CONTROL SYSTEM	Andrew, Conrad	(31) 201816026464
FOR AN AIRCRAFT	(31) 201313975590	(32) 03.07.2018
(73) Airbus Canada Limited Partnership	(32) 26.08.2013	(33) United States of America
(72) DI ZAZZO, Marco	(33) United States of America	(51) B64D 37/34
PLANTE, Bertrand	(51) B64C 39/02	B64G 1/40
(31) 201361773463 P	B64D 47/08	F02K 9/46
(32) 06.03.2013	B64C 27/20	(11) EP3210890
(33) United States of America	(11) EP3678937	(21) EP17156949.4
(51) B64C 27/08	(21) EP18765115.3	(47) 05.10.2022
B64C 39/02	(47) 05.10.2022	(22) 20.02.2017
B64C 29/00	(87) EP2018073783	(54) COOLING OF FUEL FOR AN ENGINE
B64C 27/52	14.03.2019	(73) ArianeGroup GmbH
(11) EP3583028	(22) 04.09.2018	(72) Isselhorst, Armin
(21) EP18706931.5	(54) UNMANNED AERIAL VEHICLE WITH	(31) 102016103223
(47) 05.10.2022	PROTECTIVE OUTER CAGE	(32) 24.02.2016
(87) US2018017302	(73) Flyability SA	(33) Germany
23.08.2018	(72) BRIOD, Adrien	(51) B64D 41/00
(22) 07.02.2018	GARNIER, Arnaud	B64D 13/06
(54) MAINTAINING ATTITUDE CONTROL OF	DALER, Ludovic	(11) EP2985225
UNMANNED AERIAL VEHICLES	PABOUCTSIDIS, Alexandre	(21) EP15180471.3
(73) Amazon Technologies, Inc.	(31) 17189515	(47) 05.10.2022
(72) KIMCHI, Gur	(32) 05.09.2017	(22) 11.08.2015
SHIOSAKI, Dominic Timothy	(33) European Patent Office (EPO)	(54) RAM AIR FAN AND POWER
WELSH, Ricky Dean	(51) B64D 11/06	ELECTRONICS COOLING
(31) 201715435044	(11) EP3204295	(73) Hamilton Sundstrand Corporation

(72) PAL, Debabrata	(51) B65B 43/60	(33) United States of America
(31) 201414457242	(11) EP3865410	(51) B65D 39/00
(32) 12.08.2014	(21) EP21166649.0	B65D 39/16
(33) United States of America	(47) 05.10.2022	B65D 55/02
(51) B64F 3/02	(22) 08.08.2019	(11) EP3487774
A63H 27/20	(54) MANUFACTURING MACHINE FOR	(21) EP17735603.7
A63H 27/22	THE PRODUCTION OF DISPOSABLE	(47) 05.10.2022
B64C 39/02	CARTRIDGES FOR ELECTRONIC	(87) EP2017067424
B64D 27/24	CIGARETTES	25.01.2018
B64D 39/00	(73) G.D Societa' per Azioni	(22) 11.07.2017
H02J 50/30	(72) MILANDRI, Francesco	(54) TAMPER EVIDENT CLOSURE
H02J 50/80	DONDINI, Andrea	(73) Guala Closures S.p.A.
H02J 50/90	MEDINA, Enrico	(72) GIOVANNINI, Marco
H02J 50/27	LANZARINI, Luca	VIALE, Luca
(11) EP3668794	FEDERICI, Luca	OLDFIELD, James, Andrew
(21) EP18846903.5	SERAFINI, Stefano	(31) 201600075495
(47) 05.10.2022	GROSSO, Daniele	(32) 19.07.2016
(87) IB2018056230	(31) 201900009288	(33) Italy
21.02.2019	201800007950	(51) B65D 43/16
(22) 17.08.2018	(32) 18.06.2019	B65D 43/22
(54) SYSTEM AND METHOD FOR	08.08.2018	B65D 50/06
DISTRIBUTING POWER TO AIRCRAFT	(33) Italy	(11) EP3504131
SYSTEMS	Italy	(21) EP17754368.3
(73) Columbiad Launch Services Inc.	(51) B65D 17/28	(47) 05.10.2022
(72) OQAB, Haroon B.	B65D 17/34	(87) EP2017071024
DIETRICH, George	(11) EP3986800	01.03.2018
(31) 201762546737 P	(21) EP21717322.8	(22) 21.08.2017
(32) 17.08.2017	(47) 05.10.2022	(54) CLOSING DEVICE AND CONTAINER
(33) United States of America	(87) EP2021000029	WITH SUCH A CLOSING DEVICE
(51) B64F 5/00	10.02.2022	(73) Henkel AG & Co. KGaA
G06Q 10/06	(22) 24.03.2021	(72) RUIZ HERNANDEZ, Robert
B64F 5/20	(54) INTEGRATED DEVICE FOR OPENING	BREISINGER, Julia
B64F 5/23	AND CLOSING OF CANS	STRATHMANN, Stefan
(11) EP3851383	(73) Serra Caselles, Genoveva	(31) 102016215846
(21) EP20020631.6	(72) Serra Caselles, Genoveva	(32) 23.08.2016
(47) 05.10.2022	(31) 202000121	(33) Germany
(22) 12.09.2014	(32) 07.08.2020	(51) B65D 75/00
(54) METHOD AND SYSTEM FOR	(33) Spain	B65D 1/26
COORDINATING REMOVAL OF	(51) B65D 21/08	(11) EP3368437
CONTAMINATION FROM SURFACE OF	B65D 23/08	(21) EP16787845.3
AIRCRAFT	B65D 1/02	(47) 05.10.2022
(73) JCAI Inc.	(11) EP3724091	(87) EP2016075829
(72) Campbell, Jeffery P.	(21) EP18830107.1	04.05.2017
Bambrick, David	(47) 05.10.2022	(22) 26.10.2016
(31) 201461953208 P	(87) US2018064714	(54) PLASTIC TUBE
201361877400 P	20.06.2019	(73) Alpha-Werke Alwin Lehner GMBH &
(32) 14.03.2014	(22) 10.12.2018	Co.KG
13.09.2013	(54) CONTAINER WITH VARIABLE VOLUME	(72) KÜNZ, Johann
(33) United States of America	(73) Colgate-Palmolive Company	(31) 15692015
United States of America	(72) HOM, Frank	(32) 27.10.2015
(51) B64F 5/60	(31) 201762597055 P	(33) Switzerland
G01N 29/22	(32) 11.12.2017	(51) B65F 1/06
B64F 5/45	(33) United States of America	B65F 1/10
G01F 23/292	(51) B65D 35/24	B65F 1/16
G01N 29/32	B67D 1/04	(11) EP3816068
G01N 29/024	(11) EP3110710	(21) EP20202616.7
(11) EP3650357	(21) EP15751333.4	(47) 05.10.2022
(21) EP19204674.6	(47) 05.10.2022	(22) 19.10.2020
(47) 05.10.2022	(87) US2015017386	(54) A DOMESTIC WASTE BIN, IN
(22) 22.10.2019	27.08.2015	PARTICULAR, FOR USED ABSORBENT
(54) FUEL TANK TESTING SYSTEM	(22) 24.02.2015	SANITARY PRODUCTS
(73) The Boeing Company	(54) A SYSTEM FOR STORING AND	(73) Fater S.p.A.
(72) Durr, Bryan	SELECTIVELY DISPENSING AT LEAST	(72) ZANDONA', Andrea
Jackson, Timothy Edward	ONE PORTION OF A LIQUID VOLUME	MARANA, Armido
Gubler, Eric Scott	(73) Bevolution Systems, LLC	(31) 201900019892
(31) 201816184326	(72) OTTO, Harold	(32) 28.10.2019
(32) 08.11.2018	(31) 201414183647	(33) Italy
(33) United States of America	(32) 24.02.2014	

(51) B65F 1/06	(47) 05.10.2022	(11) EP3442886
B65F 1/14	(87) US2017012501	(21) EP17720373.4
B65F 1/16	27.07.2017	(47) 05.10.2022
B65F 1/00	(22) 06.01.2017	(87) EP2017058583
(11) EP3640159	(54) CONVEYOR BELT AND MODULE WITH	19.10.2017
(21) EP17901337.0	SKEWED AIR-FLOW PASSAGES	(22) 10.04.2017
(47) 05.10.2022	(73) Laitram, LLC	(54) ROTARY INDEXING TABLE AND
(87) CN2017110791	(72) GUNDLACH, James O.	METHOD FOR TRANSPORTING
25.10.2018	(31) 201662280461 P	OBJECTS
(22) 14.11.2017	(32) 19.01.2016	(73) Fresenius Medical Care Deutschland
(54) STORAGE DEVICE	(33) United States of America	GmbH
(73) BOE Technology Group Co., Ltd.	(51) B65G 17/08	(72) HEPPE, John
(72) REN, Yan	B65G 21/18	JOACHIMSKY, Pascal
WANG, Zifeng	B65G 23/44	KUGELMANN, Franz
CAO, Lei	(11) EP3490911	(31) 102016004335
(31) 201720425968 U	(21) EP17837361.9	(32) 13.04.2016
(32) 21.04.2017	(47) 05.10.2022	(33) Germany
(33) China	(87) US2017040451	(51) B65G 47/61
(51) B65F 1/14	08.02.2018	(11) EP3532413
B65F 1/12	(22) 30.06.2017	(21) EP17800406.5
B65F 1/16	(54) SPIRAL CONVEYOR	(47) 05.10.2022
(11) EP3816070	(73) Laitram, L.L.C.	(87) EP2017077603
(21) EP20205153.8	(72) COTO, Oscar R.	03.05.2018
(47) 05.10.2022	(31) 201615224809	(22) 27.10.2017
(22) 02.11.2020	(32) 01.08.2016	(54) METHOD AND DEVICE FOR OPENING
(54) DEVICE FOR THE COLLECTION OF	(33) United States of America	A TRANSPORT BAG
URBAN WASTE	(51) B65G 23/08	(73) Ferag AG
(73) ID&A S.r.l.	(11) EP3478605	(72) RAMSEIER, Marcel
(72) BRAGADINA, Giovanni	(21) EP17734304.3	STAUBER, Erwin
(31) 201900020280	(47) 05.10.2022	KELLER, Martin
(32) 04.11.2019	(87) EP2017066236	(31) 7962017
(33) Italy	04.01.2018	6842017
(51) B65G 1/137	(22) 30.06.2017	6072017
(11) EP3630655	(54) MODULAR SYSTEM FOR MOTOR-	1102017
(21) EP18740083.3	OPERATED CONVEYING ROLLERS	1092017
(47) 05.10.2022	(73) Interroll Holding AG	14382016
(87) AT2018060109	(72) VAN HOLTHE TOT ECHTEN, Jurriaen	PCT/CH2016/000146
06.12.2018	(31) 102016112051	(32) 20.06.2017
(22) 29.05.2018	(32) 30.06.2016	24.05.2017
(54) METHOD AND GOODS STORAGE	(33) Germany	05.05.2017
SYSTEM FOR PICKING GOODS WITH	(51) B65G 23/08	31.01.2017
EFFICIENTLY OPERATED DYNAMIC	B65G 13/06	31.01.2017
BUFFER	B65G 43/10	27.10.2016
(73) TGW Logistics Group GmbH	H02P 7/295	23.11.2016
(72) LINDLEY, Timothy	(11) EP3551556	(33) Switzerland
SCHRÖPF, Harald Johannes	(21) EP18732691.3	Switzerland
(31) 504632017	(47) 05.10.2022	Switzerland
(32) 02.06.2017	(87) EP2018065141	Switzerland
(33) Austria	13.12.2018	Switzerland
(51) B65G 1/137	(22) 08.06.2018	Switzerland
(11) EP3560859	(54) CONTROL DEVICE, GOODS	World Intellectual Property Office (WIPO)
(21) EP19170313.1	TRANSPORT CONVEYOR, AND	(51) B65G 47/82
(47) 05.10.2022	METHOD FOR CONTROLLING A	B65G 47/52
(22) 18.04.2019	GOODS TRANSPORT CONVEYOR	(11) EP3507219
(54) SYSTEM FOR CONVEYING	(73) Interroll Holding AG	(21) EP17765333.4
PRODUCTS IN SUCCESSION ALONG	(72) NIU, Huiping	(47) 05.10.2022
AN INDUSTRIAL LINE	THEIS, Normen	(87) US2017049406
(73) Soremartec S.A.	(31) 102017007923	08.03.2018
(72) RATTO, Gabriele	102017005494	(22) 30.08.2017
(31) 100782	(32) 22.08.2017	(54) TOTE HANDLING SYSTEMS AND
(32) 27.04.2018	09.06.2017	METHODS
(33) Luxembourg	(33) Germany	(73) Amazon Technologies, Inc.
(51) B65G 15/30	Germany	(72) McCALIB, David, Bruce
B65G 17/08	(51) B65G 29/00	SMITH, Brian, C.
F25D 13/06	B65G 47/51	HINES, Kirkwood
B65G 17/40	B65G 47/80	(31) 201715471040
(11) EP3405414	B65B 3/04	201615256303
(21) EP17741758.1	B67C 3/00	(32) 28.03.2017

02.09.2016	LAKSHMIPATHY, Prasad Babu	20.06.2019
(33) United States of America	(31) 201811030870	(22) 07.12.2018
United States of America	(32) 17.08.2018	(54) METHOD AND DEVICE FOR
(51) B65G 63/00	(33) India	MONITORING A CONDITION
B65G 1/04	(51) B66B 19/00	OF A PERSON TRANSPORT
B65G 35/06	(11) EP3847121	INSTALLATION BY USE OF A DIGITAL
(11) EP3429947	(21) EP19750126.5	DOPPELGÄNGER
(21) EP17710922.0	(47) 05.10.2022	(73) INVENTIO AG
(47) 05.10.2022	(87) EP2019071398	(72) NOVACEK, Thomas
(87) EP2017056140	12.03.2020	(31) 17207385
21.09.2017	(22) 09.08.2019	(32) 14.12.2017
(22) 15.03.2017	(54) INSTALLATION SYSTEM FOR	(33) European Patent Office (EPO)
(54) SYSTEM OF A RETRIEVAL MACHINE	PERFORMING INSTALLATION	(51) B66C 23/70
AND A TRANSPORT AND HANDOVER	OPERATIONS IN A LIFT SHAFT OF A	B66C 23/82
SYSTEM FOR STORING AND	LIFT ASSEMBLY	(11) EP3793930
REMOVING OR RELOCATING	(73) INVENTIO AG	(21) EP19736696.6
STANDARD CONTAINER IN HIGH-BAY	(72) CAMBRUZZI, Andrea	(47) 05.10.2022
WAREHOUSES, AND STORAGE	OLCZYK, Eliza	(87) EP2019068062
(73) AMOVA GmbH	SIMMONDS, Oliver	16.01.2020
(72) HEIDE, Carsten	ZIMMERLI, Philipp	(22) 05.07.2019
BRÜCK, Volker	BITZI, Raphael	(54) SUPPORT FOR THE REAR
(31) 102016204246	(31) 18192228	ANCHORING LINE OF A TELESCOPIC
(32) 15.03.2016	(32) 03.09.2018	CRANE
(33) Germany	(33) European Patent Office (EPO)	(73) Tadano Demag GmbH
(51) B65H 5/06	(51) B66B 23/00	(72) URBAN, Christian Moritz
B41J 13/02	G06F 30/13	(31) 102018116575
B41J 15/16	G06F 30/17	(32) 09.07.2018
B65H 19/10	(11) EP3870529	(33) Germany
B65H 19/22	(21) EP19784067.1	(51) B66F 9/075
B65H 20/02	(47) 05.10.2022	B66F 9/08
B41J 15/04	(87) EP2019077715	B66F 9/20
B65H 23/038	30.04.2020	(11) EP3868701
(11) EP3401254	(22) 14.10.2019	(21) EP21158026.1
(21) EP16883693.0	(54) FRAMEWORK DATA SET OF AN	(47) 05.10.2022
(47) 05.10.2022	ESCALATOR OR MOVING WALKWAY	(22) 03.11.2014
(87) JP2016083691	(73) INVENTIO AG	(54) LIFT CHAIN TENSION RELIEVING
13.07.2017	(72) NOVACEK, Thomas	DEVICES AND METHODS
(22) 14.11.2016	DRAHOHS-FÖDERLER, Andreas	(73) Hyster-Yale Group, Inc.
(54) RECORDING MEDIUM CONVEYING	POHL, Barbara	(72) BERNS, Nico
DEVICE AND RECORDING DEVICE	DRÖGSLER, Johannes	SMULDERS, Paul
(73) Seiko Epson Corporation	BARTONIK, Robert	VAN DEN HURK, Peter
(72) SHIBATA Yohei	BRINSKELLE, Stefan	ERINKVELD, Joost
(31) 2016002307	(31) 18202653	BRUENELL, Norbert
(32) 08.01.2016	(32) 25.10.2018	VAN DER CRUIJSEN, Stefan
(33) Japan	(33) European Patent Office (EPO)	(31) 201361900015 P
(51) B65H 31/06	(51) B66B 23/02	(32) 05.11.2013
B65H 31/14	(11) EP3873841	(33) United States of America
B65H 31/22	(21) EP19787312.8	(51) B66F 9/08
(11) EP3450367	(47) 05.10.2022	(11) EP2982640
(21) EP18191626.3	(87) EP2019078815	(21) EP15180137.0
(47) 05.10.2022	07.05.2020	(47) 05.10.2022
(22) 30.08.2018	(22) 23.10.2019	(22) 07.08.2015
(54) STACKER AND PROCESSING	(54) CONVEYING CHAIN FOR A PANEL	(54) SYSTEM FOR IMPROVING LIFT
APPARATUS	BELT OF A MOVING WALKWAY OF	CYLINDER BUCKLING RESISTANCE
(73) Seiko Epson Corporation	SMALL OVERALL HEIGHT	(73) THE RAYMOND CORPORATION
(72) TANJO, Toru	(73) INVENTIO AG	(72) Goncalves, Fernando D.
(31) 2017167358	(72) PRAXMARER, Dominik	Doak, William
(32) 31.08.2017	KLEWEIN, Gerhard	Finnegan, Paul F.
(33) Japan	STREIBIG, Kurt	(31) 201462034250 P
(51) B66B 5/02	(31) 18203435	(32) 07.08.2014
(11) EP3613693	(32) 30.10.2018	(33) United States of America
(21) EP19192165.9	(33) European Patent Office (EPO)	(51) B67D 1/04
(47) 05.10.2022	(51) B66B 25/00	B67D 1/06
(22) 16.08.2019	B66B 5/00	B67D 1/08
(54) ELEVATOR SYSTEM WITH SENSORS	(11) EP3724119	(11) EP3478626
(73) Otis Elevator Company	(21) EP18811577.8	(21) EP17746176.1
(72) PUSALA, Rajinikanth	(47) 05.10.2022	(47) 05.10.2022
KARANAM, Sudharshan	(87) EP2018083937	(87) IB2017000807

04.01.2018	06.10.2016	(31) 201662334812 P
(22) 30.06.2017	(22) 31.03.2015	(32) 11.05.2016
(54) DEVICE FOR POURING BEER WITH A HIGH CARBON DIOXIDE CONTENT	(54) METHOD OF MAKING LITHIUM DIFLUORO (OXALATO) BORATE	(33) United States of America
(73) Duvel Moortgat NV	(73) Bayerische Motoren Werke Aktiengesellschaft	(51) C03B 37/16
(72) NEVEN, Hedwig	(72) WU, Peng	D04H 1/4218
MOORTGAT, Michel	GENTSCHEV, Ann-Christin	(11) EP3345875
(31) 201605551	LINTZ, Claudia	(21) EP16841540.4
(32) 01.07.2016	KIM, Sung-Jin	(47) 05.10.2022
(33) Belgium	KIM, Sung-Jin	(87) JP2016074245
(51) B82Y 20/00	ZHANG, Ning	09.03.2017
B82Y 10/00	DETIG-KARLOU, Kamelia	(22) 19.08.2016
G01N 21/552	LIAN, Fang	(54) METHOD FOR MANUFACTURING GLASS CHOPPED STRANDS AND METHOD FOR MANUFACTURING GLASS CHOPPED STRAND MAT
G02B 5/00	(51) C01G 25/02	(73) Nippon Electric Glass Co., Ltd.
G02B 6/122	B01J 32/00	(72) KIJIMA, Akio
H01L 33/04	C04B 35/486	SUGIMOTO, Kiyomasa
(11) EP3077329	C04B 35/50	(31) 2015174026
(21) EP14803164.4	C04B 35/626	(32) 03.09.2015
(47) 05.10.2022	C04B 35/645	(33) Japan
(87) EP2014075939	C04B 38/00	(51) C04B 28/02
11.06.2015	(11) EP3885317	C04B 20/10
(22) 28.11.2014	(21) EP20779334.0	(11) EP3724146
(54) A PLASMON GENERATOR	(47) 05.10.2022	(21) EP18814935.5
(73) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	(87) JP2020011191	(47) 05.10.2022
King's College London	01.10.2020	(87) EP2018084564
(72) KABAKCHIEV, Alexander	(22) 13.03.2020	20.06.2019
LUTZ, Theresa	(54) ZIRCONIA-BASED POROUS BODY	(22) 12.12.2018
GROSSE, Christoph	(73) Daiichi Kigenso Kagaku Kogyo Co., Ltd.	(54) COLORED FIBER CEMENT PRODUCTS AND METHODS FOR THE PRODUCTION THEREOF
SCHLICKUM, Uta	(72) MATSUMOTO, Kazuya	(73) Etex Services NV
KUHNKE, Klaus	(31) 2019063853	(72) IGNATYEV, Igor A.
KERN, Klaus	(32) 28.03.2019	VERLEENE, Dave
DE VITA, Alessandro	(33) Japan	(31) 17207105
(31) PCT/EP2014/055148	(51) C01G 39/00	(32) 13.12.2017
PCT/EP2013/075435	G21G 1/00	(33) European Patent Office (EPO)
(32) 14.03.2014	B01D 15/36	(51) C04B 28/04
03.12.2013	B01D 15/42	C04B 18/16
(33) World Intellectual Property Office (WIPO)	(11) EP3500526	(11) EP3523263
World Intellectual Property Office (WIPO)	(21) EP17758686.4	(21) EP17780716.1
(51) C01B 33/035	(47) 05.10.2022	(47) 05.10.2022
C30B 25/00	(87) US2017046710	(87) EP2017075342
C30B 29/06	22.02.2018	12.04.2018
C30B 29/60	(22) 14.08.2017	(22) 05.10.2017
C01B 33/02	(54) METHODS FOR PURIFYING MOLYBDENUM-99	(54) METHODS FOR PRODUCING AIR-CURED FIBER CEMENT PRODUCTS
(11) EP3584219	(73) Curium US LLC	(73) Etex Services NV
(21) EP18754364.0	(72) BARBOSA, Luis Antonio M.M.	(72) VAN DER HEYDEN, Luc
(47) 05.10.2022	DEKKER, Frits	(31) 16192660
(87) JP2018005048	GERRITSEN, Marjolijn	(32) 06.10.2016
23.08.2018	HERMELER, Mark	(33) European Patent Office (EPO)
(22) 14.02.2018	(31) 201662375684 P	(51) C04B 35/80
(54) CORE WIRE FOR USE IN SILICON DEPOSITION, METHOD FOR PRODUCING SAID CORE WIRE, AND METHOD FOR PRODUCING POLYCRYSTALLINE SILICON	(32) 16.08.2016	C04B 35/565
(73) Tokuyama Corporation	(33) United States of America	G21C 3/62
(72) NISHIKAWA, Masayoshi	(51) C02F 1/68	C23C 16/04
INOUE, Yuji	A23L 33/16	C23C 16/32
(31) 2017029470	C02F 1/42	(11) EP3504353
(32) 20.02.2017	(11) EP3455171	(21) EP17844155.6
(33) Japan	(21) EP17796869.0	(47) 05.10.2022
(51) C01B 35/06	(47) 05.10.2022	(87) US2017047263
C07F 5/02	(87) US2017032227	01.03.2018
C07F 5/04	16.11.2017	(22) 17.08.2017
(11) EP3277694	(22) 11.05.2017	(54) PROCESS FOR MANUFACTURING SIC COMPOSITE CERAMICS
(21) EP15886856.2	(54) WATER IONIZATION SYSTEM AND METHOD	(73) Westinghouse Electric Company Llc
(47) 05.10.2022	(73) Pentair Filtration Solutions, LLC	(72) LAHODA, Edward J.
(87) CN2015075438	(72) CORNWELL, James	
	SCHMIDT, Zack	
	KRUEGER, John	
	SHEEHAN, Brian	

(31) 201615245933	Kassien, Oleg	(21) EP20706572.3
(32) 24.08.2016	(51) C07C 2/66	(47) 05.10.2022
(33) United States of America	C07C 5/333	(87) FR2020050075
(51) C04B 41/89	C07C 15/073	30.07.2020
F01D 5/28	C07C 15/46	(22) 21.01.2020
B24C 1/04	C07C 7/12	(54) METHOD FOR PURIFYING
(11) EP3309136	C07C 7/13	(METH)ACRYLIC ESTERS USING A
(21) EP17184099.4	(11) EP2925708	DIVIDED WALL COLUMN
(47) 05.10.2022	(21) EP12799418.4	(73) ARKEMA FRANCE
(22) 31.07.2017	(47) 05.10.2022	(72) TRETJAK, Serge
(54) METHOD OF FORMING AN ARTICLE	(87) US2012066621	CABON, Yves
(73) General Electric Company	05.06.2014	LEVRAY, André
(72) BALDWIN, Donald Joseph	(22) 27.11.2012	HILPERT, Camille
MARGOLIES, Joshua Lee	(54) PRODUCTION OF STYRENE	MORELIERE, Anne
KITTLESON, Jacob John	(73) Badger Licensing LLC	(31) 1900541
(31) 201615292589	(72) MAERZ, Brian	(32) 22.01.2019
(32) 13.10.2016	NANDA, Vijay	(33) France
(33) United States of America	BHANDARKAR, Maruti	(51) C07C 69/157
(51) C05B 17/00	VINCENT, Matthew	C07C 279/14
C05D 9/02	(51) C07C 45/50	C07C 69/78
C05F 7/00	C07C 47/02	C07C 229/26
C05F 11/02	(11) EP3830065	C07D 233/64
B01J 20/02	(21) EP19761969.5	C07C 279/02
B01J 20/06	(47) 05.10.2022	C07C 277/08
B01J 20/20	(87) IB2019056417	C07C 281/16
B01J 20/32	30.01.2020	C07C 67/08
C02F 1/28	(22) 26.07.2019	C07C 69/24
C02F 101/10	(54) RECOVERY OF PROPYLENE FROM	A61K 31/222
(11) EP3760605	REACTOR PURGE GAS	A61K 31/235
(21) EP20182256.6	(73) SABIC Global Technologies B.V.	A61K 31/155
(47) 05.10.2022	(72) GHAMDI-AL, Ameen S.	A61P 9/10
(22) 25.06.2020	RALLAPALLI, Jagan Mohan	A61P 7/02
(54) METHOD OF PHOSPHORUS	SOMAK, Paul	(11) EP3838887
RECOVERY FROM WASTEWATER, IN	(31) 201862711165 P	(21) EP18941434.5
PARTICULAR FROM SLUDGE WATER	(32) 27.07.2018	(47) 05.10.2022
(73) Vysoká škola technická a ekonomická v	(33) United States of America	(87) CN2018118879
Ceských Budejovicích	(51) C07C 53/126	04.06.2020
(72) Marousek, Josef	C01B 32/40	(22) 03.12.2018
Stehel, Vojtech	C01B 32/50	(54) 2-(1-ACYLOXYPENTYL) BENZOIC
Vochozka, Marek	C07C 1/04	ACID SALT FORMED BY BASIC
Marousková, Anna	C07C 2/04	AMINO ACID OR AMINOGUANIDINE,
Strunecký, Otakar	C07C 2/76	PREPARATION METHOD THEREFOR
Kolár, Ladislav	C07C 51/23	AND USES THEREOF
(31) 20190043	C07C 51/25	(73) China Pharmaceutical University
(32) 01.07.2019	C07C 51/27	(72) ZHANG, Yihua
(33) Czech Republic	C11C 3/02	HUANG, Zhangjian
(51) C05F 7/00	C25B 1/04	WU, Jianbing
C05F 17/30	C07C 11/04	ZHU, Jiayi
C05F 17/40	C07C 11/02	(31) 201811440339
C05F 17/60	(11) EP3837236	(32) 28.11.2018
C05F 17/80	(21) EP19773738.0	(33) China
C05F 17/943	(47) 05.10.2022	(51) C07C 209/48
(11) EP3950646	(87) EP2019071816	C07C 209/84
(21) EP20189144.7	20.02.2020	C07C 211/27
(47) 05.10.2022	(22) 14.08.2019	B01J 23/75
(22) 03.08.2020	(54) CONCEPT FOR THE PRODUCTION	B01J 23/28
(54) UNITS AND TECHNOLOGICAL LINE	OF FOOD WITH REDUCED	B01J 23/00
FOR PROCESSING MUNICIPAL	ENVIRONMENTAL IMPACT	B01J 27/199
SEWAGE SLUDGE AND ORGANIC	(73) Green-ON AB	B01J 37/00
WASTE FROM AGRICULTURE, FOOD	(72) LORÉN, Anders	B01J 37/08
AND PROCESSING INDUSTRIES	VESTERGREN, Marcus	B01J 23/755
(73) Vaysman, Vladyslav	(31) 1850984	B01J 25/00
Strunnikova, Natalya	(32) 16.08.2018	(11) EP3760609
Bekker, Dmitri	(33) Sweden	(21) EP20772769.4
Kassien, Oleg	(51) C07C 67/08	(47) 05.10.2022
(72) Vaysman, Vladyslav	C07C 67/54	(87) JP2020008407
Strunnikova, Natalya	C07C 69/54	24.09.2020
Bekker, Dmitri	(11) EP3914581	(22) 28.02.2020

(54) METHOD FOR PRODUCING XYLYLENDIAMINE	(31) 20170116138 (32) 11.09.2017 (33) Korea (Republic)	(51) C07D 223/16 C07D 401/14 C07D 401/06 C07D 401/10 C07D 403/06 C07D 405/12 C07D 409/12 A61P 13/12 A61K 31/55
(73) MITSUBISHI GAS CHEMICAL COMPANY, INC.	(51) C07C 311/16 C07D 213/38 A61K 31/18 A61K 31/135 A61K 31/635 A61P 35/00	(11) EP3645513 (21) EP18743103.6 (47) 05.10.2022 (87) JP2018024786 03.01.2019 (22) 29.06.2018 (54) BENZAZEPINE DERIVATIVES (73) Otsuka Pharmaceutical Co., Ltd. (72) KAN, Keizo TAKUWA, Masatoshi TANAKA, Hirotsuka FUJIWARA, Hideto YAMABE, Hokuto MATSUDA, Satoshi OHDACHI, Kazuhiro HANARI, Taiki MENJO, Yasuhiro URUSHIMA, Tatsuya FUJITA, Shigekazu
(72) IBI, Yukiya KUMANO, Tatsuyuki	(11) EP3691623 (21) EP18848395.2 (47) 05.10.2022 (87) US2018047112 28.02.2019 (22) 20.08.2018 (54) BENZOSULFONYL COMPOUNDS (73) Vivace Therapeutics, Inc. (72) KONRADI, Andrei W. LIN, Tracy Tzu-Ling Tang	(31) 2019053082 (32) 20.03.2019 (33) Japan
(31) 2019053082 (32) 20.03.2019 (33) Japan	(31) 201762548037 P (32) 21.08.2017 (33) United States of America	(11) EP3665155 (21) EP18748929.9 (47) 05.10.2022 (87) EP2018071324 14.02.2019 (22) 07.08.2018 (54) PROCESS FOR PREPARING ETHYLENEAMINE COMPOUNDS (73) Nouryon Chemicals International B.V. (72) VENEMAN, Rens TEN KATE, Antoon Jacob Berend RAAIJMAKERS, Michiel Jozef Thomas JOVIC, Slavisa EDVINSSON, Rolf Krister KANTZER, Eike Nicolas LAKE, Karl Fredrik EHLERS, Ina VAN DAM, Hendrik
(51) C07C 211/02 C08G 73/02 C07C 215/18 C07C 209/62 C07C 213/02	(51) C07C 321/14 C07C 319/08 C08G 18/38 C08G 75/06 G02B 1/04 C08G 18/80 C08G 18/76 C08G 18/24 C07C 319/22 C07C 335/08	(11) EP3645513 (21) EP18743103.6 (47) 05.10.2022 (87) JP2018024786 03.01.2019 (22) 29.06.2018 (54) BENZAZEPINE DERIVATIVES (73) Otsuka Pharmaceutical Co., Ltd. (72) KAN, Keizo TAKUWA, Masatoshi TANAKA, Hirotsuka FUJIWARA, Hideto YAMABE, Hokuto MATSUDA, Satoshi OHDACHI, Kazuhiro HANARI, Taiki MENJO, Yasuhiro URUSHIMA, Tatsuya FUJITA, Shigekazu (31) PCT/JP2017/024211 (32) 30.06.2017 (33) World Intellectual Property Office (WIPO)
(11) EP3665155 (21) EP18748929.9 (47) 05.10.2022 (87) EP2018071324 14.02.2019 (22) 07.08.2018 (54) PROCESS FOR PREPARING ETHYLENEAMINE COMPOUNDS (73) Nouryon Chemicals International B.V. (72) VENEMAN, Rens TEN KATE, Antoon Jacob Berend RAAIJMAKERS, Michiel Jozef Thomas JOVIC, Slavisa EDVINSSON, Rolf Krister KANTZER, Eike Nicolas LAKE, Karl Fredrik EHLERS, Ina VAN DAM, Hendrik	(11) EP3064488 (21) EP14859047.4 (47) 05.10.2022 (87) JP2014078548 07.05.2015 (22) 28.10.2014 (54) POLYTHIOL COMPOUND AND METHOD FOR PRODUCING SAME (73) Mitsubishi Gas Chemical Company, Inc. (72) NISHIMORI, Yoshihiko KAMURA, Teruo HORIKOSHI, Hiroshi	(51) C07C 263/10 (11) EP3356324 (21) EP16770943.5 (47) 05.10.2022 (87) EP2016073036 06.04.2017 (22) 28.09.2016 (54) METHOD FOR MAKING ISOCYANATES (73) Covestro Intellectual Property GmbH & Co. KG (72) KNAUF, Thomas MANZEL, Dirk PLATHEN, Peter WERSHOFEN, Stefan
(31) 17186001 (32) 11.08.2017 (33) European Patent Office (EPO)	(31) 2013228486 (32) 01.11.2013 (33) Japan	(11) EP3841094 (21) EP18803379.9 (47) 05.10.2022 (87) EP2018080743 27.02.2020 (22) 09.11.2018 (54) METHOD FOR PRODUCING SCLAREOLIDE (73) Symrise AG (72) HÖLSCHER, Bernd FOLEY, Patrick YANG, Yonghua PANTEN, Johannes (31) 201862721732 P (32) 23.08.2018 (33) United States of America
(51) C07C 263/10 C07C 263/18 C07C 265/04	(51) C07D 215/50 C07D 239/48 C07D 241/42 C07D 403/12 A01N 1/02 C07D 241/40 C07D 209/04	(51) C07D 307/92 (11) EP3841094 (21) EP18803379.9 (47) 05.10.2022 (87) EP2018080743 27.02.2020 (22) 09.11.2018 (54) METHOD FOR PRODUCING SCLAREOLIDE (73) Symrise AG (72) HÖLSCHER, Bernd FOLEY, Patrick YANG, Yonghua PANTEN, Johannes (31) 201862721732 P (32) 23.08.2018 (33) United States of America
(11) EP3683205 (21) EP18854903.4 (47) 05.10.2022 (87) KR2018010227 14.03.2019 (22) 03.09.2018 (54) METHOD FOR PREPARING ALIPHATIC ISOCYANATE (73) Hanwha Solutions Corporation (72) LEE, Byeong Hyeon PARK, Ju Young AHN, Cho Hee CHO, Sang Hyun	(11) EP3310761 (21) EP15895847.0 (47) 05.10.2022 (87) US2015066252 22.12.2016 (22) 17.12.2015 (54) PLATELET STORAGE METHODS AND COMPOSITIONS FOR SAME (73) Platfuse, Inc. (72) ZHENG, Yi CANCELAS, Jose	(51) C07D 311/24 C07D 405/12 C07D 407/12 A61K 31/352 A61K 31/453 A61P 31/00 A61P 31/04 A61P 31/06 (11) EP3472141 (21) EP17734411.6 (47) 05.10.2022 (87) GB2017051809 28.12.2017 (22) 20.06.2017 (54) ANTI-INFECTIVE AGENTS (73) University Of Dundee (72) FORTE, Barbara NORCROSS, Neil JANSEN, Chimed BARAGANA, Beatriz
(51) C07C 263/10 C07C 263/18 C07C 265/04	(11) EP3310761 (21) EP15895847.0 (47) 05.10.2022 (87) US2015066252 22.12.2016 (22) 17.12.2015 (54) PLATELET STORAGE METHODS AND COMPOSITIONS FOR SAME (73) Platfuse, Inc. (72) ZHENG, Yi CANCELAS, Jose	(51) C07D 311/24 C07D 405/12 C07D 407/12 A61K 31/352 A61K 31/453 A61P 31/00 A61P 31/04 A61P 31/06 (11) EP3472141 (21) EP17734411.6 (47) 05.10.2022 (87) GB2017051809 28.12.2017 (22) 20.06.2017 (54) ANTI-INFECTIVE AGENTS (73) University Of Dundee (72) FORTE, Barbara NORCROSS, Neil JANSEN, Chimed BARAGANA, Beatriz
(11) EP3683205 (21) EP18854903.4 (47) 05.10.2022 (87) KR2018010227 14.03.2019 (22) 03.09.2018 (54) METHOD FOR PREPARING ALIPHATIC ISOCYANATE (73) Hanwha Solutions Corporation (72) LEE, Byeong Hyeon PARK, Ju Young AHN, Cho Hee CHO, Sang Hyun	(31) 201514743213 (32) 18.06.2015 (33) United States of America	(51) C07D 223/16 C07D 401/14 C07D 401/06 C07D 401/10 C07D 403/06 C07D 405/12 C07D 409/12 A61P 13/12 A61K 31/55 (11) EP3645513 (21) EP18743103.6 (47) 05.10.2022 (87) JP2018024786 03.01.2019 (22) 29.06.2018 (54) BENZAZEPINE DERIVATIVES (73) Otsuka Pharmaceutical Co., Ltd. (72) KAN, Keizo TAKUWA, Masatoshi TANAKA, Hirotsuka FUJIWARA, Hideto YAMABE, Hokuto MATSUDA, Satoshi OHDACHI, Kazuhiro HANARI, Taiki MENJO, Yasuhiro URUSHIMA, Tatsuya FUJITA, Shigekazu (31) PCT/JP2017/024211 (32) 30.06.2017 (33) World Intellectual Property Office (WIPO)

GILBERT, Ian	TUMMANAPALLI, Satyanarayana	(22) 07.03.2016
CLEGHORN, Laura	(31) 201562260926 P	(54) CARBOXAMIDE INHIBITORS OF IRAK4
DAVIS, Susan	(32) 30.11.2015	ACTIVITY
WALPOLE, Christopher	(33) United States of America	(73) Merck Sharp & Dohme Corp.
(31) 201610724	(51) C07D 471/04	(72) LIM, Jongwon
(32) 20.06.2016	A61K 31/4375	ALTMAN, Michael, D.
(33) United Kingdom	A61P 9/06	CHILDERS, Matthew, L.
(51) C07D 401/12	(11) EP3529251	GIBEAU, Craig, R.
C07D 213/74	(21) EP17801105.2	HO, Ginny Dai
A61K 31/444	(47) 05.10.2022	TSUI, Honchung
C07D 401/14	(87) IB2017056515	(31) 201562132183 P
(11) EP3536691	26.04.2018	(32) 12.03.2015
(21) EP19164367.5	(22) 19.10.2017	(33) United States of America
(47) 05.10.2022	(54) NAPHTHYRIDINONE DERIVATIVES	(51) C07D 487/04
(22) 12.01.2009	AND THEIR USE IN THE TREATMENT	C07D 519/00
(54) CHEMICAL MOLECULES THAT INHIBIT	OF ARRHYTHMIA	A61P 25/14
THE SPLICING MECHANISM FOR	(73) Novartis AG	A61P 25/16
TREATING DISEASES RESULTING	(72) BARBE, Guillaume	A61P 25/18
FROM SPLICING ANOMALIES	BEBERNITZ, Gregory Raymond	(11) EP3665175
(73) CENTRE NATIONAL DE LA	GENG, Sicong	(21) EP18842989.8
RECHERCHE SCIENTIFIQUE - CNRS	GULGEZE EFTHYMIU, Hatice Belgin	(47) 05.10.2022
Institut Curie	LIAO, Lv	(87) US2018045729
UNIVERSITE DE MONTPELLIER	MA, Fupeng	14.02.2019
(72) TAZI, Jamal	MO, Ruowei	(22) 08.08.2018
GRIERSON, David	PARKER, David Thomas	(54) ANTAGONISTS OF THE MUSCARINIC
MAHUTEAU-BETZER, Florence	PENG, Yunshan	ACETYLCHOLINE RECEPTOR M4
ROUX, Pierre	PEUKERT, Stefan	(73) Vanderbilt University
(31) 0850144	YAMADA, Ken	(72) LINDSLEY, Craig, W.
(32) 10.01.2008	YASOSHIMA, Kayo	CONN, P., Jeffrey
(33) France	SMITH, Nichola	ENGERS, Darren, W.
(51) C07D 401/14	(31) 201662413292 P	TEMPLE, Kayla, J.
C07D 401/04	201662410930 P	(31) 201762542567 P
C07D 498/14	PCT/CN2016/102928	(32) 08.08.2017
A61K 31/5377	(32) 26.10.2016	(33) United States of America
A61P 35/00	21.10.2016	(51) C07D 495/04
(11) EP3672948	21.10.2016	C07D 495/14
(21) EP18759610.1	(33) United States of America	C07D 495/22
(47) 05.10.2022	United States of America	H01L 51/00
(87) EP2018072790	World Intellectual Property Office (WIPO)	(11) EP3524610
28.02.2019	(51) C07D 471/14	(21) EP19164312.1
(22) 23.08.2018	A61P 3/00	(47) 05.10.2022
(54) PYRIDINAMINE-PYRIDONE AND	A61K 31/4375	(22) 05.08.2010
PYRIMIDINAMINE-PYRIDONE	(11) EP3500570	(54) ORGANIC SEMICONDUCTORS
COMPOUNDS	(21) EP17762266.9	(73) Cambridge Display Technology Limited
(73) Sprint Bioscience AB	(47) 05.10.2022	(72) ZUBERI, Sheena
(72) LINDSTRÖM, Johan	(87) US2017047644	ZUBERI, Tania
FORSBLOM, Rickard	22.02.2018	(31) 0913628
GINMAN, Tobias	(22) 18.08.2017	(32) 05.08.2009
RAHM, Fredrik	(54) 5-HT2C RECEPTOR AGONISTS AND	(33) United Kingdom
VIKLUND, Jenny	COMPOSITIONS AND METHODS OF	(51) C07D 519/00
(31) 17187560	USE	(11) EP3573948
(32) 23.08.2017	(73) Arena Pharmaceuticals, Inc.	(21) EP18704352.6
(33) European Patent Office (EPO)	(72) SEMPLE, Graeme	(47) 05.10.2022
(51) C07D 413/04	REN, Albert S.	(87) US2018014956
A61K 31/35	SCHRADER, Thomas O.	02.08.2018
(11) EP3383868	KASEM, Michelle	(22) 24.01.2018
(21) EP16871303.0	ZHU, Xiuwen	(54) METHODS OF PREPARING
(47) 05.10.2022	(31) 201662377119 P	CYTOTOXIC BENZODIAZEPINE
(87) US2016063809	(32) 19.08.2016	DERIVATIVES
08.06.2017	(33) United States of America	(73) Immunogen, Inc.
(22) 28.11.2016	(51) C07D 487/04	(72) GÉRARD, Baudouin
(54) ARYL SULFONAMIDES AS BLT1	C07D 495/04	SILVA, Richard, A.
ANTAGONISTS	A61K 45/06	MILLER, Michael, Louis
(73) Merck Sharp & Dohme LLC	(11) EP3268367	SHIZUKA, Manami
(72) HAN, Yongxin	(21) EP16762275.2	(31) 201762450270 P
LIM, Jongwon	(47) 05.10.2022	(32) 25.01.2017
SILIPHAIVANH, Phieng	(87) US2016021116	(33) United States of America
SPENCER, Kerrie	15.09.2016	(51) C07F 7/12



C01B 33/107	(22) 28.11.2018	WINTER, Georg
(11) EP3634969	(54) NUCLEOTIDE SEQUENCE	PHILLIPS, Andrew J.
(21) EP18732534.5	ENCODING CAR, ROBO1 CAR-	HEFFERNAN, Timothy P.
(47) 05.10.2022	NK CELL EXPRESSING CAR AND	BUCKLEY, Dennis
(87) US2018034344	PREPARATION THEREFOR AND USE	(31) 201662323575 P
13.12.2018	THEREOF	201662323591 P
(22) 24.05.2018	(73) Asclepius (Suzhou) Technology	201562202076 P
(54) METHOD OF MAKING A	Company Group Co., Ltd.	(32) 15.04.2016
HALODISILOXANE	(72) LI, Huashun	15.04.2016
(73) DDP Specialty Electronic Materials US 9,	HAN, Kunkun	06.08.2015
LLC	WANG, Baolei	(33) United States of America
(72) CHANG, Noel Mower	REN, Baoyong	United States of America
KETOLA, Barry	(31) 201711276303	United States of America
MILLWARD, Andrew	(32) 06.12.2017	(51) C07K 16/00
ZHOU, Xiaobing	(33) China	C07K 16/28
(31) 201762515604 P	(51) C07K 14/79	(11) EP3227328
(32) 06.06.2017	C07K 14/705	(21) EP15805462.7
(33) United States of America	A61K 38/00	(47) 05.10.2022
(51) C07F 9/6574	A61K 39/00	(87) EP2015078670
B01J 31/18	(11) EP3583120	09.06.2016
C07C 45/50	(21) EP18708025.4	(22) 04.12.2015
C07F 15/00	(47) 05.10.2022	(54) DOMAIN-EXCHANGED ANTIBODY
(11) EP3957643	(87) US2018018371	(73) Merck Patent GmbH
(21) EP20191440.5	23.08.2018	(72) WOZNIAK-KNOPP, Gordana
(47) 05.10.2022	(22) 15.02.2018	DIETRICH, Sylvia
(22) 18.08.2020	(54) ENGINEERED TRANSFERRIN	RÜKER, Florian
(54) NEW DIPHOSPHITES BASED ON CIS-	RECEPTOR BINDING POLYPEPTIDES	GROSS, Alec W.
BUTENE-1,4-DIOL	(73) Denali Therapeutics Inc.	BECKER, Stefan
(73) Evonik Operations GmbH	(72) CHEN, Xiaocheng	(31) 14196518
(72) FRANKE, Robert	DENNIS, Mark S.	(32) 05.12.2014
SELENT, Detlef	KARIOLIS, Mihalis	(33) European Patent Office (EPO)
BÖRNER, Armin	SILVERMAN, Adam P.	(51) C07K 16/18
SALE, Anna Chiara	SRIVASTAVA, Ankita	(11) EP3250592
(51) C07H 1/06	WATTS, Ryan J.	(21) EP16702812.5
C07H 3/06	WELLS, Robert C.	(47) 05.10.2022
C12P 19/18	ZUCHERO, Joy Yu	(87) IB2016050415
(11) EP3233875	(31) 201762583314 P	04.08.2016
(21) EP15869380.4	201762543658 P	(22) 28.01.2016
(47) 05.10.2022	201762460692 P	(54) ANTI-TRANSTHYRETIN ANTIBODIES
(87) DK2015050396	(32) 08.11.2017	(73) Prothema Biosciences Limited
23.06.2016	10.08.2017	University Health Network
(22) 16.12.2015	17.02.2017	(72) LIU, Yue
(54) SEPARATION OF 2'-FL FROM A	(33) United States of America	NIJJAR, Tarlochan S.
FERMENTATION BROTH	United States of America	CHAKRABARTTY, Avijit
(73) Glycom A/S	United States of America	HIGAKI, Jeffrey, N.
(72) DEKANY, Gyula	(51) C07K 16/00	(31) 201562266556 P
OSZTROVSZKY, Györgyi	A61K 35/17	201562109002 P
MATWIEJUK, Martin	A61P 35/00	(32) 11.12.2015
CHASSAGNE, Pierre	A61K 31/45	28.01.2015
HEDEROS, Markus	A61K 31/49	(33) United States of America
(31) 201470786	A61K 31/50	United States of America
(32) 16.12.2014	A61K 35/55	(51) C07K 16/28
(33) Denmark	A61K 31/57	A61P 35/00
(51) C07K 14/725	A61K 31/58	A61K 39/395
C07K 16/28	(11) EP3331905	(11) EP3697817
C12N 5/10	(21) EP16754061.6	(21) EP18800381.8
C12N 15/86	(47) 05.10.2022	(47) 05.10.2022
C12N 15/867	(87) US2016046088	(87) US2018056441
A61K 35/17	09.02.2017	25.04.2019
A61K 38/17	(22) 08.08.2016	(22) 18.10.2018
A61K 39/00	(54) TARGETED PROTEIN DEGRADATION	(54) ANTI-CD47 AGENT-BASED OVARIAN
A61P 35/00	TO ATTENUATE ADOPTIVE T-CELL	CANCER THERAPY
C07K 19/00	THERAPY ASSOCIATED ADVERSE	(73) Forty Seven, Inc.
(11) EP3712259	INFLAMMATORY RESPONSES	(72) TAKIMOTO, Chris Hidemi, Mizufune
(21) EP18886924.2	(73) Dana-Farber Cancer Institute, Inc.	CHAO, Mark, Ping
(47) 05.10.2022	(72) BRADNER, James	VOLKMER, Jens-Peter
(87) CN2018117897	ROBERTS, Justin	(31) 201762573835 P
13.06.2019	NABET, Behnam	(32) 18.10.2017

(33) United States of America	(54) PHTHALATE-FREE PP	(73) Dow Global Technologies LLC
(51) C07K 16/28	HOMOPOLYMERS FOR MELTBLOWN	Rohm and Haas Company
C07K 16/40	FIBERS	(72) CHEN, Liang
G01N 33/53	(73) Borealis AG	SAINT-GERARD, Yannick
G01N 33/543	(72) WANG, Jingbo	NELLIAPPAN, Veera
(11) EP3317302	KLIMKE, Katja	ABDUL-RAHIMAN, Vithya
(21) EP16816891.2	FIEBIG, Joachim	(31) 201361841957 P
(47) 05.10.2022	VAN PARIDON, Henk	(32) 02.07.2013
(87) CA2016050771	LUYTEN, Anita	(33) United States of America
05.01.2017	GAHLEITNER, Markus	(51) C08G 18/42
(22) 30.06.2016	(31) 13195766	C08G 18/76
(54) ADAM-10 AS A BIOMARKER FOR	(32) 04.12.2013	C08G 18/22
DETECTING BRAIN INJURY	(33) European Patent Office (EPO)	C08K 5/524
(73) University of Saskatchewan	(51) C08F 226/10	C08K 5/549
(72) TAGHIBIGLOU, Changiz	C08F 220/28	C08K 5/02
PHAM, Nathan	B01J 2/26	C08G 101/00
PASTUSHOK, Landon	B01J 20/28	C08K 5/521
GEYER, Clarence Ronald	B01J 20/30	(11) EP3864061
(31) 201562186511 P	A61Q 15/00	(21) EP19789843.0
(32) 30.06.2015	A61L 9/014	(47) 05.10.2022
(33) United States of America	A61K 8/81	(87) US2019053717
(51) C07K 16/30	A61L 9/01	16.04.2020
A61K 31/4745	A61Q 19/00	(22) 30.09.2019
A61K 31/708	(11) EP3483191	(54) A RIGID POLYURETHANE FOAM
A61K 31/4375	(21) EP17824362.2	FORMULATION AND FOAM MADE
A61K 47/50	(47) 05.10.2022	THEREFROM
A61K 45/00	(87) JP2017025038	(73) Dow Global Technologies LLC
A61P 35/00	11.01.2018	Dow Silicones Corporation
(11) EP3763742	(22) 07.07.2017	(72) PATANKAR, Kshitish
(21) EP20191420.7	(54) N-VINYL LACTAM-BASED	SONNENSCHNEIN, Mark F.
(47) 05.10.2022	CROSSLINKED POLYMER, COSMETIC,	TOTH, Simon
(22) 29.08.2015	ABSORBENT AGENT FOR INK, AND	CHANG, Noel Mower
(54) ANTI-PD-L1 CONJUGATES FOR	ABSORBENT COMPOSITE	MOORE, Jonathan D.
TREATING TUMORS	(73) Nippon Shokubai Co., Ltd.	TULLOCH, Weston
(73) Birdie Biopharmaceuticals Inc.	(72) IKEMOTO, Yui	COLLINS, Thomas C.
(72) LI, Lixin	OKAMURA, Kazuhiro	(31) 201862742959 P
LAU, Walter	(31) 2017035358	(32) 09.10.2018
(31) 201410440824	2017035357	(33) United States of America
(32) 01.09.2014	2016255516	(51) C08G 18/48
(33) China	2016229398	C08G 18/76
(51) C07K 16/44	2016176596	C08G 18/18
(11) EP3494143	2016146535	C08G 18/24
(21) EP17751568.1	2016136038	(11) EP3133097
(47) 05.10.2022	(32) 27.02.2017	(21) EP15181218.7
(87) US2017045183	27.02.2017	(47) 05.10.2022
08.02.2018	28.12.2016	(22) 17.08.2015
(22) 02.08.2017	25.11.2016	(54) POLYURETHANE FLEXIBLE FOAMS
(54) PLAZOMICIN ANTIBODIES AND	09.09.2016	WITH INCREASED HARDNESS
METHODS OF USE	26.07.2016	(73) Evonik Operations GmbH
(73) Cipla USA, Inc.	08.07.2016	(72) KREBS, Michael
(72) BENDER, Kristina, Oresic	(33) Japan	SASSENHAGEN, Jens
HENRY, Christopher, E.	Japan	HUBEL, Roland
THEOLIS, Richard	Japan	FUNK, Maik
WU, Shuang	Japan	(51) C08G 18/48
(31) 201662370580 P	Japan	C08G 18/76
(32) 03.08.2016	Japan	C08G 18/20
(33) United States of America	Japan	C08G 18/24
(51) C08F 110/06	(51) C08F 255/02	C08G 18/28
D04H 1/00	C08L 23/26	C08G 77/46
C08L 23/12	(11) EP2989134	C08G 77/50
D04H 3/00	(21) EP14748005.7	C08L 83/12
D01F 6/06	(47) 05.10.2022	C08L 83/14
(11) EP3077426	(87) US2014044803	(11) EP2998333
(21) EP14805294.7	08.01.2015	(21) EP15181328.4
(47) 05.10.2022	(22) 30.06.2014	(47) 05.10.2022
(87) EP2014076054	(54) POLYOLEFIN/ (METH)ACRYLIC	(22) 18.08.2015
11.06.2015	IMPACT MODIFIER AND METHOD OF	(54) PRODUCTION OF VISCOELASTIC
(22) 01.12.2014	PREPARING SAME	POLYURETHANE SYSTEMS USING

BLOCK POLYMERS HAVING LINKED SILOXANE BLOCKS AS CELL- OPENING AGENTS	(54) POLYESTER-EPOXIDE POLYMER COMPOSITIONS	C08G 77/00
(73) Evonik Operations GmbH	(73) Stepan Company	(11) EP3473661
(72) KREBS, Michael	(72) KAPLAN, Warren, A.	(21) EP18201547.9
HUBEL, Roland	WESTFALL, Jennifer, S.	(47) 05.10.2022
FERENZ, Michael	(31) 201662379456 P	(22) 19.10.2018
WOLF, Marco	(32) 25.08.2016	(54) SILICONE COMPOSITION, A CURED SILICONE RUBBER PRODUCT AND A POWER CABLE
GÜNTHER, Thomas	(33) United States of America	(73) Shin-Etsu Chemical Co., Ltd.
(31) 102014218635	(51) C08G 63/664	(72) Hara, Tatsuei
(32) 17.09.2014	A61L 31/06	Koike, Yoshiaki
(33) Germany	C08L 67/02	Oishi, Kazuhiro
(51) C08G 18/75	C08L 67/04	(31) 2017203038
C08G 18/12	A61K 31/77	(32) 20.10.2017
C08G 18/28	A61P 15/00	(33) Japan
C08G 18/42	(11) EP3177665	(51) C08J 3/12
C08G 18/44	(21) EP15763046.8	C08J 5/18
(11) EP3630863	(47) 05.10.2022	B01D 71/34
(21) EP18724581.6	(87) FR2015052139	B01D 67/00
(47) 05.10.2022	11.02.2016	H01M 50/403
(87) EP2018063354	(22) 03.08.2015	H01M 50/449
29.11.2018	(54) COMPOSITION OF DIBLOCK AND TRIBLOCK COPOLYMERS AND THE USE THEREOF IN THE PREVENTION OF TISSUE ADHESIONS	H01M 50/426
(22) 22.05.2018	(73) Université de Montpellier	(11) EP3883987
(54) SOLVENT-BASED PRIMER WITH LONG OPEN TIME AND IMPROVED ADHESION	Ecole Nationale Supérieure de Chimie de Montpellier	(21) EP19804732.6
(73) Sika Technology AG	Centre National de la Recherche Scientifique	(47) 05.10.2022
(72) CORSARO, Antonio	Centre Hospitalier Universitaire de Nîmes	(87) EP2019081904
FÄSSLER, Reto	(72) COUDANE, Jean	28.05.2020
(31) 17172551	LEPRINCE, Salomé	(22) 20.11.2019
(32) 23.05.2017	GARRIC, Xavier	(54) PROCESS FOR MANUFACTURING HEAT TREATED PVDF
(33) European Patent Office (EPO)	PANIAGUA, Cédric	(73) Solvay Specialty Polymers Italy S.p.A.
(51) C08G 18/76	HUBERLANT, Stéphanie	(72) LEVEQUE, Emmanuel
C08G 18/48	LETOUZEY, Vincent	MARCUCCI, Marinella
C08G 18/50	(31) 1457562	FACCHI, Daniele
C08J 9/12	(32) 04.08.2014	RUSCONI, Federica
C08J 9/14	(33) France	ABUSLEME, Julio A.
C08G 101/00	(51) C08G 64/02	(31) 18306544
(11) EP3548533	(11) EP2992031	(32) 22.11.2018
(21) EP17807812.7	(21) EP14792214.0	(33) European Patent Office (EPO)
(47) 05.10.2022	(47) 05.10.2022	(51) C08J 7/043
(87) EP2017080382	(87) US2014032340	C08J 7/046
07.06.2018	06.11.2014	C08J 7/12
(22) 24.11.2017	(22) 31.03.2014	E04F 15/02
(54) POLYURETHANE HARD FOAMS, METHOD FOR THEIR MANUFACTURE AND APPLICATION THEREOF	(54) ALIPHATIC POLYCARBONATE COMPOSITIONS AND METHODS	C08J 7/04
(73) Covestro Intellectual Property GmbH & Co. KG	(73) Novomer, Inc.	E04F 15/10
(72) ALBERS, Reinhard	(72) ALLEN, Scott D.	(11) EP3484948
MARAZITA, Martin	(31) 201361817897 P	(21) EP17740720.2
OTTO, Frank	(32) 01.05.2013	(47) 05.10.2022
(31) 16203396	(33) United States of America	(87) EP2017067588
16201120	(51) C08G 69/26	18.01.2018
(32) 12.12.2016	C08L 77/06	(22) 12.07.2017
29.11.2016	(11) EP3502164	(54) SCUFF RESISTANT DECORATIVE SURFACE COVERINGS
(33) European Patent Office (EPO)	(21) EP17210050.5	(73) Tarkett GDL
European Patent Office (EPO)	(47) 05.10.2022	(72) PERES, Richard
(51) C08G 59/62	(22) 22.12.2017	(31) 16179655
C08G 59/42	(54) POLYAMIDE MOULDING MATERIAL	(32) 15.07.2016
C08G 63/91	(73) EMS-CHEMIE AG	(33) European Patent Office (EPO)
C09J 167/02	(72) Wiedemann, Thomas	(51) C08J 9/14
(11) EP3504258	Hoffmann, Botho	C08J 9/10
(21) EP17755353.4	(51) C08G 77/12	C08J 3/24
(47) 05.10.2022	C08G 77/20	C08J 3/12
(87) US2017045860	C08L 83/04	C08J 9/16
01.03.2018	H01B 3/28	C08J 9/224
(22) 08.08.2017	H01B 3/46	C08J 9/32
		A61F 13/53
		A61L 15/60
		B01J 20/26

B01J 20/28	C08K 9/06	(87) JP2017023399
C08L 33/02	C08G 77/28	01.02.2018
(11) EP3650491	B60C 1/00	(22) 26.06.2017
(21) EP18852989.5	C08K 3/36	(54) FLAME-RETARDANT RUBBER
(47) 05.10.2022	C08L 9/06	COMPOSITION AND EXTERNAL
(87) KR2018009353	(11) EP3172275	DIAPHRAGM FOR RAILROAD CAR
14.03.2019	(21) EP15835155.1	(73) Sumitomo Riko Company Limited
(22) 14.08.2018	(47) 05.10.2022	(72) MURATANI, Keiichi
(54) SUPER ABSORBENT POLYMER AND	(87) JP2015075146	YAMAMOTO, Kenji
METHOD FOR PREPARING SAME	03.03.2016	(31) 2016149393
(73) LG Chem, Ltd.	(22) 28.08.2015	(32) 29.07.2016
(72) KIM, Ki Hyun	(54) A RUBBER COMPOSITION	(33) Japan
KIM, Kyu Pal	COMPRISING SILICONE OIL	(51) C08L 23/22
KIM, Gi Cheul	(73) Compagnie Générale des	C08L 23/28
LEE, Seul Ah	Etablissements Michelin	C08L 9/02
LEE, Sang Gi	(72) XUE, Boyong	(11) EP3555208
(31) 20170113134	DOTSON, Michael Edward	(21) EP17811530.9
(32) 05.09.2017	(31) PCT/JP2014/073412	(47) 05.10.2022
(33) Korea (Republic)	(32) 29.08.2014	(87) EP2017081318
(51) C08J 9/28	(33) World Intellectual Property Office (WIPO)	21.06.2018
C08J 9/26	(51) C08L 11/02	(22) 04.12.2017
H01M 8/02	C08L 9/00	(54) RUBBER MIXTURE
H01M 8/10	C08K 5/372	(73) ContiTech Schlauch GmbH
B01D 71/26	C08K 5/40	(72) ONKEN, Kristian
H01M 8/1062	C08L 7/00	STORRE, Jens
(11) EP3489290	C08K 5/39	SCHOBERT, Klaus
(21) EP17833835.6	A41D 19/00	BEHRENS, Henrik
(47) 05.10.2022	(11) EP3122816	PRÜSS, Corinna
(87) JP2017020367	(21) EP15768510.8	(31) 102016225299
01.02.2018	(47) 05.10.2022	(32) 16.12.2016
(22) 31.05.2017	(87) AU2015000067	(33) Germany
(54) COMPOSITE MEMBRANE	01.10.2015	(51) C08L 27/06
(73) Teijin Limited	(22) 10.02.2015	B60K 37/00
(72) YAMAGUCHI, Takeo	(54) POLYISOPRENE/POLYCHLOROPRENE	B62D 25/14
OSHIBA, Yuhei	COMPOSITIONS	C07C 69/76
OHASHI, Hidenori	(73) Ansell Limited	C08K 5/12
TOMATSU, Jin	(72) LUCAS, David	H01B 7/00
FURUYA, Koji	KWAN, Soo Hwa	(11) EP3339368
OHNO, Takao	FOO, Lik Erh Christina	(21) EP16836991.6
NANBU, Mami	(31) 201414224832	(47) 05.10.2022
(31) 2016145738	(32) 25.03.2014	(87) JP2016072936
(32) 25.07.2016	(33) United States of America	23.02.2017
(33) Japan	(51) C08L 21/00	(22) 04.08.2016
(51) C08K 5/372	C08K 3/36	(54) PLASTICIZER FOR VINYL CHLORIDE
C08K 5/548	C08K 5/54	RESIN, VINYL CHLORIDE RESIN
C08L 9/00	C08L 9/00	COMPOSITION, WIRE HARNESS, AND
C08L 9/06	(11) EP3816224	DASHBOARD
(11) EP3837310	(21) EP19827274.2	(73) DIC Corporation
(21) EP19752167.7	(47) 05.10.2022	(72) NOGUCHI, Takafumi
(47) 05.10.2022	(87) JP2019024630	URABE, Akira
(87) EP2019071109	02.01.2020	TOYODA, Akio
20.02.2020	(22) 21.06.2019	YAOITA, Yoshiyuki
(22) 06.08.2019	(54) RUBBER COMPOSITION	UMEMOTO, Tetsurou
(54) RUBBER MIXTURES	(73) Kuraray Co., Ltd.	SUZUKI, Osamu
(73) Evonik Operations GmbH	(72) MOTODA, Satoshi	(31) 2015161895
(72) WEHMEIER, André	(31) 2019070481	(32) 19.08.2015
RÖBEN, Caren	2018124663	(33) Japan
ERHARDT, Sascha	(32) 02.04.2019	(51) C08L 33/12
HERMEKE, Julia	29.06.2018	(11) EP4010423
MOSER, Ralph	(33) Japan	(21) EP20746683.0
BAUER, Elisabeth	Japan	(47) 05.10.2022
ROSENSTINGL, Sebastian	(51) C08L 23/00	(87) EP2020071776
MAYER, Stefanie	C08K 3/22	11.02.2021
(31) 102018213774	C08K 5/14	(22) 03.08.2020
(32) 16.08.2018	C08L 23/26	(54) TRANSPARENT COMPOSITION
(33) Germany	(11) EP3450495	(73) Evonik Operations GmbH
(51) C08K 5/5415	(21) EP17833935.4	(72) LEHMANN, Kathrin
C08K 9/04	(47) 05.10.2022	HESSNER, Sebastian

NAWRACALA, Angela	19.05.2016	(72) HIBBEN, Mary Jane
AMAJJAHE, Sadik	(22) 04.11.2015	WILDMAN, Mike C.
BUSCH, Stefan	(54) POLYESTER COMPOSITION AND	KILLILEA, T. Howard
(31) 19190668	ARTICLE PREPARED THEREFROM	HARVEY, Iain
(32) 08.08.2019	(73) SABIC Global Technologies B.V.	(31) 201361836884 P
(33) European Patent Office (EPO)	(72) ONDA, Kayoko	201361799995 P
(51) C08L 33/12	(31) 201462079092 P	(32) 19.06.2013
C08L 35/06	(32) 13.11.2014	15.03.2013
G02B 1/04	(33) United States of America	(33) United States of America
(11) EP3676328	(51) C08L 77/06	United States of America
(21) EP18755205.4	B32B 27/08	(51) C09D 7/00
(47) 05.10.2022	(11) EP3502187	A61L 9/01
(87) EP2018072620	(21) EP17210006.7	(11) EP3652258
07.03.2019	(47) 05.10.2022	(21) EP17917313.3
(22) 22.08.2018	(22) 22.12.2017	(47) 05.10.2022
(54) LIGHTING SYSTEM COMPONENT	(54) TOUGHENED POLYAMIDE MOULDING	(87) CN2017092472
COMPRISING A HEAT-RESISTANT	MASSES	17.01.2019
POLYMER	(73) EMS-CHEMIE AG	(22) 11.07.2017
(73) SABIC Global Technologies B.V.	(72) Stöppelmann, Georg	(54) AQUEOUS DISPERSION AND
(72) BRUSS, Erhard	(51) C08L 83/04	AQUEOUS COATING COMPOSITION
MUTHUKRISHNAN, Sharmila	C09D 183/04	COMPRISING THE SAME
MARNIX, The	C09D 7/63	(73) Dow Global Technologies LLC
(31) 17188352	C09D 7/40	Rohm and Haas Company
(32) 29.08.2017	(11) EP3768778	(72) LIN, Daoshu
(33) European Patent Office (EPO)	(21) EP19771969.3	XU, Jianming
(51) C08L 35/00	(47) 05.10.2022	DUAN, Shuyu
B32B 5/02	(87) US2019023318	ZOU, Jian
B32B 15/14	26.09.2019	BOHLING, James
H01L 23/00	(22) 21.03.2019	(51) C09D 7/63
H01L 21/48	(54) ROOM TEMPERATURE CURABLE	C09D 11/101
H01L 23/14	ORGANOPOLYSILOXANE	C09D 4/00
B32B 15/20	COMPOSITION AND ELECTRIC/	C08F 122/14
C08G 73/00	ELECTRONIC APPARATUS	C08F 122/32
C08K 5/3417	(73) Dow Silicones Corporation	C09J 4/00
H05K 1/03	(72) HENNING, Jody J.	(11) EP3725815
C08L 79/04	HORSTMAN, John B.	(21) EP18888019.9
C08K 5/01	JANSMA, Vennesa O.	(47) 05.10.2022
C08K 3/36	SWIER, Steven	(87) JP2018044205
C08J 5/24	(31) 201862645886 P	20.06.2019
B32B 15/09	(32) 21.03.2018	(22) 30.11.2018
B32B 27/32	(33) United States of America	(54) ACTIVE ENERGY RAY-CURABLE
C08K 3/28	(51) C08L 83/10	COMPOSITION
C08K 3/38	C08G 77/445	(73) Tokyo University of Science Foundation
B32B 27/28	(11) EP4010429	Toagosei Co., Ltd.
C08J 5/04	(21) EP20746684.8	(72) ARIMITSU, Koji
(11) EP3321319	(47) 05.10.2022	OOMURA, Kento
(21) EP16821363.5	(87) EP2020071781	(31) 2018086861
(47) 05.10.2022	11.02.2021	2017237839
(87) JP2016069748	(22) 03.08.2020	(32) 27.04.2018
12.01.2017	(54) BRANCHED POLYESTER SILOXANES	12.12.2017
(22) 04.07.2016	(73) Evonik Operations GmbH	(33) Japan
(54) RESIN COMPOSITION AND PREPREG,	(72) LEHMANN, Kathrin	Japan
RESIN SHEET, LAMINATE PLATE, AND	HENNING, Frauke	(51) C09D 11/328
PRINTED CIRCUIT BOARD	BUSCH, Stefan	C09D 11/40
(73) Mitsubishi Gas Chemical Company, Inc.	NAWRACALA, Angela	C09D 11/037
(72) TAKANO, Yoichi	(31) 19190670	C09D 17/00
TOMIZAWA, Katsuya	(32) 08.08.2019	(11) EP3931276
KUBO, Takashi	(33) European Patent Office (EPO)	(21) EP20705737.3
CHIBA, Tomo	(51) C09D 5/16	(47) 05.10.2022
SHIGA, Eisuke	(11) EP2970697	(87) EP2020054770
(31) 2015135200	(21) EP14710776.7	03.09.2020
(32) 06.07.2015	(47) 05.10.2022	(22) 24.02.2020
(33) Japan	(87) US2014020719	(54) WATER-BASED CERAMIC DYE
(51) C08L 67/02	25.09.2014	(73) CEVP SAGL
(11) EP3218436	(22) 05.03.2014	(72) PICCINELLI, Piero
(21) EP15800977.9	(54) WATER-BASED COMPOSITIONS THAT	(31) 201900002701
(47) 05.10.2022	RESIST DIRT PICK-UP	(32) 25.02.2019
(87) IB2015058532	(73) SWIMC LLC	(33) Italy

(51) C09D 11/38 A61L 15/46 A61L 15/56 A61F 13/84	(11) EP3870658 (21) EP19804987.6 (47) 05.10.2022 (87) US2019057992 30.04.2020	(11) EP3589707 (21) EP18706533.9 (47) 05.10.2022 (87) EP2018054881 07.09.2018 (22) 28.02.2018 (54) COATING COMPOSITION COMPRISING PVC AND PLASTICIZERS	(72) O'BRIEN, Robert M. RARDON, Daniel E. SPYNDA, Rachael Ann BARTLEY, III., George K. EVANS, Richard H.
(22) 25.10.2019 (54) ABSORBENT ARTICLE WITH GRAPHICS PRINTED IN PRESERVATIVE-FREE INK, AND METHODS OF MANUFACTURE THEREOF	(73) THE PROCTER & GAMBLE COMPANY (72) MALDONADO, Clarissa BUGNER, Douglas E. COOK, Wayne SOWINSKI, Allan (31) 201816171433 (32) 26.10.2018 (33) United States of America	(73) BASF SE (72) GRIMM, Axel PFEIFFER, Matthias MORGENSTERN, Herbert (31) 17158676 (32) 01.03.2017 (33) European Patent Office (EPO)	(31) 620639 P (32) 20.10.2004 (33) United States of America
(51) C09D 11/38 C09D 11/101 (11) EP3404071 (21) EP18172152.3 (47) 05.10.2022 (22) 14.05.2018 (54) METHOD OF MANUFACTURING LAMINAR OBJECT AND ACTIVE ENERGY RAY CURABLE INK	(73) Ricoh Company, Ltd. (72) ARITA, Manabu YOSHINO, Mie (31) 2018071483 2017097710 (32) 03.04.2018 16.05.2017 (33) Japan Japan	(31) 17158676 (32) 01.03.2017 (33) European Patent Office (EPO)	(31) EP3898856 (21) EP19816753.8 (47) 05.10.2022 (87) EP2019084843 25.06.2020 (22) 12.12.2019 (54) THERMOPLASTIC ELASTOMER COMPOSITION (73) Actega DS GmbH (72) FRAHN, Jörg WEBER, Olga (31) 18214330 (32) 20.12.2018 (33) European Patent Office (EPO)
(51) C09D 127/06 D06M 15/248 C08K 5/00 C08K 5/10 C08K 5/12 C08K 5/3492 (11) EP3589708 (21) EP18706539.6 (47) 05.10.2022 (87) EP2018054932 07.09.2018 (22) 28.02.2018 (54) COATING COMPOSITION COMPRISING PVC AND PLASTICIZERS	(73) BASF SE (72) GRIMM, Axel PFEIFFER, Matthias MORGENSTERN, Herbert (31) 17158717 (32) 01.03.2017 (33) European Patent Office (EPO)	(87) DE2017100963 17.05.2018 (22) 14.11.2017 (54) SOLAR RADIATION REFLECTING COATING AND ITS USE (73) Mankiewicz Gebr. & Co. (GmbH & Co. KG) Joint Stock Company Railway Research Institute (72) SCHMAL, Eugen LAPIDUS, Boris Moiseevich SUSLOV, Oleg Aleksandrovich KOSAREV, Aleksandr Borisovich (31) 102016121807 (32) 14.11.2016 (33) Germany	(51) C09D 183/08 (11) EP3935116 (21) EP19709678.7 (47) 05.10.2022 (87) EP2019055423 10.09.2020 (22) 05.03.2019 (54) EMULSIONS OF AMINOSILOXANES AND SILICATES (73) Wacker Chemie AG (72) BREHM, Christof WIMMER, Franz
(51) C09D 127/06 D06M 15/248 C08K 5/10 C08K 5/12 C08K 5/3492 (11) EP3589708 (21) EP18706539.6 (47) 05.10.2022 (87) EP2018054932 07.09.2018 (22) 28.02.2018 (54) COATING COMPOSITION COMPRISING PVC AND PLASTICIZERS	(73) BASF SE (72) GRIMM, Axel PFEIFFER, Matthias MORGENSTERN, Herbert (31) 17158717 (32) 01.03.2017 (33) European Patent Office (EPO)	(51) C09D 133/04 C08F 20/10 C09D 5/16 C08F 220/28 C09D 133/14 (11) EP3845617 (21) EP19854117.9 (47) 05.10.2022 (87) JP2019032761 05.03.2020 (22) 22.08.2019 (54) ANTI-FOULING COATING MATERIAL COMPOSITION (73) Nitto Kasei Co., Ltd. (72) KITAMURA, Hitoshi (31) 2018160863 (32) 29.08.2018 (33) Japan	(51) C09D 183/08 C03C 17/30 (11) EP3307841 (21) EP16731746.0 (47) 05.10.2022 (87) US2016036896 15.12.2016 (22) 10.06.2016 (54) WATER REPELLANT SURFACE TREATMENT FOR AIRCRAFT TRANSPARENCIES AND METHODS OF TREATING AIRCRAFT TRANSPARENCIES (73) PPG Industries Ohio, Inc. (72) NGUYEN, Frank MAUNG, Tun-Min BIMANAND, Alexander (31) 201615178095 201562173434 P (32) 09.06.2016 10.06.2015 (33) United States of America United States of America
(51) C09D 127/06 D06M 15/248 C08K 5/10 C08K 5/12 C08K 5/3492	(51) C09D 127/06 D06M 15/248 C08K 5/10 C08K 5/12 C08K 5/3492	(51) C09D 151/08 C08F 283/06 B65D 17/00 B65D 25/14 (11) EP3037488 (21) EP15199749.1 (47) 05.10.2022 (22) 18.10.2005 (54) COATING COMPOSITIONS FOR CANS AND METHODS OF COATING (73) SWIMC LLC	(51) C09J 11/06 C09J 163/00 C09J 9/02 C09J 11/04

(11) EP3331959	C09J 7/38	(11) EP3366747
(21) EP16835768.9	(11) EP3715433	(21) EP16857566.0
(47) 05.10.2022	(21) EP18896021.5	(47) 05.10.2022
(87) US2016046079	(47) 05.10.2022	(87) JP2016081307
16.02.2017	(87) KR2018015648	27.04.2017
(22) 08.08.2016	04.07.2019	(22) 21.10.2016
(54) ANIONIC CURABLE COMPOSITIONS	(22) 11.12.2018	(54) POLISHING COMPOSITION
(73) Designer Molecules, Inc.	(54) HOT-MELT ADHESIVE COMPOSITION	(73) NITTA DuPont Incorporated
(72) MIZORI, Farhad	(73) LG CHEM, LTD.	(72) SUGITA, Noriaki
(31) 201562202823 P	(72) PARK, Yong Su	MATSUDA, Shuhei
(32) 08.08.2015	KIM, Tae Yun	MATSUSHITA, Takayuki
(33) United States of America	OH, Seungwhan	CHINEN, Mika
(51) C09J 11/08	RYU, Jin Young	(31) 2015209326
C09J 123/08	(31) 20170181535	(32) 23.10.2015
C09J 153/02	(32) 27.12.2017	(33) Japan
(11) EP3019572	(33) Korea (Republic)	(51) C09K 5/04
(21) EP14750042.5	(51) C09J 183/04	F25B 45/00
(47) 05.10.2022	(11) EP3328958	(11) EP3743481
(87) US2014046283	(21) EP16829894.1	(21) EP18833586.3
15.01.2015	(47) 05.10.2022	(47) 05.10.2022
(22) 11.07.2014	(87) EP2016001012	(87) US2018066601
(54) HOT MELT ADHESIVE CONTAINING A	02.02.2017	01.08.2019
HYDROGENATED STYRENIC BLOCK	(22) 16.06.2016	(22) 19.12.2018
COPOLYMER AND AN ETHYLENE	(54) USE OF A SINGLE OR MULTI	(54) SYSTEM AND METHODS FOR
VINYL ACETATE COPOLYMER	COMPONENT SYSTEM FOR	INTRODUCING PAG LUBRICANT
EXHIBITING LOW BLOCKING FORCE	SECURING ANCHORING MEANS	AND REFRIGERANT INTO AN AIR-
(73) Bostik, Inc.	(73) fischerwerke GmbH & Co. KG	CONDITIONING
(72) STAFEL, Kevin	(72) VOGEL, Martin	(73) The Chemours Company FC, LLC
FARRIS, Kathleen M.	SCHLENK, Christian	(72) KOBAN, Mary E.
(31) 201361957778 P	WEINELT, Christian	GRAY, Nina E.
(32) 11.07.2013	ZANDER, Lars	MENTZ JR., Hubert
(33) United States of America	(31) 102016110272	(31) 201862745447 P
(51) C09J 123/08	102015112459	201862620568 P
C08L 33/08	(32) 03.06.2016	(32) 14.10.2018
C08L 33/10	30.07.2015	23.01.2018
C08L 23/08	(33) Germany	(33) United States of America
C08K 3/22	Germany	United States of America
C08K 5/098	(51) C09K 3/00	(51) C09K 11/06
C08K 5/057	C08K 5/17	H01L 51/54
B32B 27/30	C08L 101/00	(11) EP3333241
B32B 27/32	G03F 7/004	(21) EP16833257.5
B32B 27/08	(11) EP3162868	(47) 05.10.2022
B32B 7/12	(21) EP15812604.5	(87) KR2016008308
B32B 27/10	(47) 05.10.2022	09.02.2017
B32B 27/20	(87) JP2015068507	(22) 28.07.2016
B32B 27/34	30.12.2015	(54) ORGANIC LIGHT EMITTING ELEMENT
B32B 27/36	(22) 26.06.2015	HAVING HIGH EFFICIENCY
(11) EP3775038	(54) THERMAL BASE GENERATOR,	(73) SFC Co., Ltd.
(21) EP18912061.1	THERMOSETTING RESIN	(72) LEE, Chang-Hee
(47) 05.10.2022	COMPOSITION, CURED FILM, CURED	SEO, Hyun-jong
(87) CN2018081026	FILM MANUFACTURING METHOD,	YOON, Seo-Yeon
03.10.2019	AND SEMICONDUCTOR DEVICE	SHIM, So Young
(22) 29.03.2018	(73) FUJIFILM Corporation	KIM, Si-In
(54) RESIN FOR USE AS A TIE LAYER IN	(72) KOYAMA, Ichiro	(31) 20150111093
MULTILAYER STRUCTURE HAVING	(31) 2015034388	(32) 06.08.2015
POLYETHYLENE TEREPHTHALATE	2014203868	(33) Korea (Republic)
(73) Dow Global Technologies LLC	2014132156	(51) C10B 47/44
(72) LIU, Andong	(32) 24.02.2015	C10B 53/02
GUO, Yunlong	02.10.2014	F23B 40/04
ZHENG, Yong	27.06.2014	F23B 90/06
CHEN, Hongyu	(33) Japan	C10J 3/00
WALTHER, Brian	Japan	C10J 3/30
ZHANG, Yi	Japan	C10J 3/60
(51) C09J 153/02	(51) C09K 3/14	F23G 5/027
C09J 7/35	H01L 21/02	(11) EP3583193
C09J 11/08	C08F 216/06	(21) EP18709930.4
C09J 11/06	H01L 21/304	(47) 05.10.2022
C08L 91/00	B24B 37/04	(87) EP2018053228

23.08.2018	(11) EP3434756	(73) KABUSHIKI KAISHA TOYOTA
(22) 08.02.2018	(21) EP17770020.0	JIDOSHOKKI
(54) SEPARATED CHAMBERS PYROLYSIS FURNACE	(47) 05.10.2022	(72) HAYASHI, Hidetaka
(73) Pyro & Tech Srls	(87) JP2017009962	OKUBO, Shino
(72) LURAGHI, Flaminio, Giacomo	28.09.2017	UEDA, Naoharu
(31) 201700018877	(22) 13.03.2017	ICHIKAWA, Atsushi
(32) 20.02.2017	(54) LUBRICANT OIL COMPOSITION AND LUBRICATION METHOD	MITSUOKA, Tetsuya
(33) Italy	(73) Idemitsu Kosan Co., Ltd.	(31) 2018080500
(51) C10G 3/00	(72) SUNAGAWA, Yoji	2017218843
C10G 75/00	(31) 2016058538	(32) 19.04.2018
(11) EP3580308	(32) 23.03.2016	14.11.2017
(21) EP18702234.8	(33) Japan	(33) Japan
(47) 05.10.2022	(33) Japan	Japan
(87) EP2018051956	(51) C10M 171/06	(51) C10N 30/10
16.08.2018	C10M 171/04	C10N 40/00
(22) 26.01.2018	C10N 20/00	C10N 40/02
(54) A METHOD FOR THE HYDROPROCESSING OF RENEWABLE FEEDS	C10N 20/04	C10N 40/04
(73) Topsoe A/S	C10N 20/06	C10N 40/08
(72) LOW, Gordon Gongngai	C10N 30/06	C10N 40/12
STUPIN, Steven W.	C10N 40/00	C10N 40/25
(31) 201762571882 P	C10N 40/02	C10M 141/06
201762457432 P	C10N 40/04	C10M 141/02
(32) 13.10.2017	C10N 40/08	C10N 30/06
10.02.2017	C10N 40/12	C10N 30/02
(33) United States of America	C10N 40/16	C10N 40/30
United States of America	C10N 40/20	(11) EP3272841
(51) C10M 137/08	C10N 40/24	(21) EP16768655.9
C10M 137/10	C10N 40/25	(47) 05.10.2022
(11) EP3140376	C10N 40/30	(87) JP2016058635
(21) EP15722013.8	C10N 50/10	29.09.2016
(47) 05.10.2022	(11) EP3722398	(22) 18.03.2016
(87) US2015029339	(21) EP18886770.9	(54) LUBRICATING OIL COMPOSITION
12.11.2015	(47) 05.10.2022	(73) Idemitsu Kosan Co.,Ltd.
(22) 06.05.2015	(87) JP2018043518	(72) SHINODA, Jitsuo
(54) LUBRICANT COMPOSITION CONTAINING AN ANTIWEAR AGENT	13.06.2019	(31) 2015058362
(73) The Lubrizol Corporation	(22) 27.11.2018	(32) 20.03.2015
(72) SACCOMANDO, Daniel J.	(54) LUBRICANT COMPOSITION AND LUBRICATING OIL COMPOSITION CONTAINING SAME	(33) Japan
BARTON, William R. S.	(73) Adeka Corporation	(51) C11B 3/00
DELBRIDGE, Ewan E.	(72) YAMAMOTO, Kenji	(11) EP3799598
DICKESS, Shawn P.	IGARASHI, Shuhei	(21) EP19733386.7
SUTTON, Michael R.	HANAMURA, Ryou	(47) 05.10.2022
COOK, Stephen J.	(31) 2018080662	(87) US2019036578
(31) 201461989239 P	2017233180	19.12.2019
(32) 06.05.2014	(32) 19.04.2018	(22) 11.06.2019
(33) United States of America	05.12.2017	(54) METHODS OF REFINING A GRAIN OIL COMPOSITION FEEDSTOCK AND RELATED SYSTEMS COMPOSITIONS AND USES
(51) C10M 161/00	(33) Japan	(73) POET Research, Inc.
C10M 135/20	Japan	(72) URBAN, Shannon S.
C10N 20/02	(51) C10N 10/12	SARKS, Cory J.
C10N 20/04	C10N 20/00	FLITTIE, Brett A.
C10N 30/02	C10N 20/02	MILBRANDT, Jacob A.
C10N 30/06	C10N 30/06	BLY, Steve T.
C10N 40/04	C10N 40/02	MCCURDY, Alex T.
C10N 40/25	C10N 50/02	(31) 201962817789 P
C10N 40/02	C10N 70/00	201962814006 P
C10N 40/08	C10M 169/04	201862683347 P
C10N 40/12	C10N 50/00	(32) 13.03.2019
C10N 40/14	C10N 20/04	05.03.2019
C10N 40/20	C10N 20/06	11.06.2018
C10N 40/24	(11) EP3712234	(33) United States of America
C10N 60/14	(21) EP18878631.3	United States of America
C10N 30/00	(47) 05.10.2022	United States of America
C10N 40/00	(87) JP2018030740	(51) C11B 3/00
C10N 40/22	23.05.2019	C11C 3/12
C10N 40/30	(22) 21.08.2018	(11) EP3649219
	(54) SLIDING MEMBER AND METHOD FOR MANUFACTURING SAME	(21) EP18734246.4



(47) 05.10.2022	(72) CAGNAC, Olivier	(22) 19.06.2018
(87) EP2018067852	PAGLIARDINI, Julien	(54) METHOD FOR PREPARING
10.01.2019	CALLEJA, Pierre	MESENCHYMAL STEM CELL-DERIVED
(22) 02.07.2018	LEPENDRIE, Adeline	EXOSOMES ON BASIS OF DRUG
(54) PROCESS FOR THE PREPARATION	(31) 1556792	PRETREATMENT
OF A HYDROGENATED FAT	(32) 17.07.2015	(73) Fuwai Hospital, Chinese Academy Of
COMPOSITION	(33) France	Medical Sciences And Peking Union
(73) Bunge Lodders Croklaan B.V.	(51) C12N 5/02	Medical College
(72) VERKUIJL, Bastiaan Jeroen Victor	C12N 5/00	(72) YANG, Yuejin
(31) 17180365	C12M 1/33	HUANG, Peisen
(32) 07.07.2017	C12N 5/071	CHEN, Guihao
(33) European Patent Office (EPO)	C12M 3/06	(51) C12N 15/10
(51) C11D 1/14	C12M 1/00	G01N 33/68
C11D 1/29	C12M 1/42	B82Y 40/00
C07D 307/10	C12N 15/90	(11) EP3755796
(11) EP3676258	(11) EP3500662	(21) EP19705195.6
(21) EP18756431.5	(21) EP17844190.3	(47) 05.10.2022
(47) 05.10.2022	(47) 05.10.2022	(87) EP2019054271
(87) EP2018072409	(87) US2017047692	29.08.2019
07.03.2019	01.03.2018	(22) 21.02.2019
(22) 20.08.2018	(22) 19.08.2017	(54) METHOD FOR THE PREPARATION OF
(54) NEW ANIONIC SURFACTANTS AND	(54) HIGH-THROUGHPUT SYSTEM AND	NANOSCALE DNA-ENCIRCLED LIPID
DETERGENTS AND CLEANING	METHOD FOR THE TEMPORARY	BILAYERS
AGENTS CONTAINING SAME	PERMEABILIZATION OF CELLS	(73) Technische Universität Dresden
(73) Henkel AG & Co. KGaA	(73) THE REGENTS OF THE UNIVERSITY	Helmholtz-Zentrum Dresden -
(72) KROPF, Christian	OF CALIFORNIA	Rossendorf e.V.
KLEMMER, Anna	President and Fellows of Harvard	(72) FAHMY, Karim
BEDRUNKA, Danuta	College	SCHMIDT, Thorsten-Lars
PALKOVITS, Regina	The Brigham and Women's Hospital, Inc.	IRIC, Katarina
HAUSOUL, Peter	(72) JONAS, Steven J.	(31) 18157852
KIPSHAGEN, Lukas	WEISS, Paul S.	(32) 21.02.2018
(31) 102017008073	HOU, Xu	(33) European Patent Office (EPO)
(32) 28.08.2017	AIZENBERG, Joanna	(51) C12P 7/06
(33) Germany	KHADEMOSSEINI, Alireza	C12P 7/64
(51) C11D 17/00	(31) 201662377572 P	C12M 1/00
A61L 9/05	(32) 20.08.2016	(11) EP3665293
A61L 2/18	(33) United States of America	(21) EP18760187.7
E03D 9/02	(51) C12N 5/07	(47) 05.10.2022
E03D 9/03	C12N 5/078	(87) US2018046293
(11) EP3331982	C12N 5/09	14.02.2019
(21) EP16751218.5	G01N 33/53	(22) 10.08.2018
(47) 05.10.2022	G01N 33/543	(54) SYSTEMS AND METHODS FOR
(87) EP2016067779	G01N 33/574	EXTRACTING OIL FROM PLANT
16.02.2017	(11) EP3625330	MATERIAL
(22) 26.07.2016	(21) EP18801380.9	(73) POET Research, Inc.
(54) BALL AND WC CAGE	(47) 05.10.2022	(72) SCHNELL, Blake A.
(73) Henkel AG & Co. KGaA	(87) US2018033749	CALAR, Kristin M.
(72) REICHERT, Christian	22.11.2018	KEELER, John C.
TREBBE, Uwe	(22) 21.05.2018	RINDSIG, Matthew J.
HORN, Michael	(54) ENGINEERED NANO-INTERFACES	OSTER, Benjamin G.
CAPPLEMAN, Robert Stephen	FOR MICROFLUIDIC ISOLATION OF	FLITTIE, Brett A.
VÖLKER, Michael	EXTRACELLULAR VESICLES	BLY, Steven T.
(31) 102015215135	(73) The General Hospital Corporation	(31) 201762544542 P
(32) 07.08.2015	(72) REATEGUI, Eduardo	(32) 11.08.2017
(33) Germany	STOTT, Shannon	(33) United States of America
(51) C12N 1/12	TONER, Mehmet	(51) C12Q 1/68
C12P 21/00	(31) 201762508461 P	C12M 1/34
(11) EP3325606	(32) 19.05.2017	C07H 21/02
(21) EP16754404.8	(33) United States of America	C12Q 1/6837
(47) 05.10.2022	(51) C12N 5/0775	(11) EP3628747
(87) EP2016066594	A61K 35/28	(21) EP19191828.3
26.01.2017	A61P 9/10	(47) 05.10.2022
(22) 13.07.2016	A61P 9/00	(22) 05.12.2014
(54) THRAUSTOCHYTRID BIOMASS	(11) EP3663394	(54) FABRICATION OF PATTERNED
ENRICHED WITH OILS AND	(21) EP18923225.9	ARRAYS
PROTEINS, CULTURING METHOD,	(47) 05.10.2022	(73) Centrillion Technology Holdings
AND USES	(87) CN2018091843	Corporation
(73) Fermentalg	26.12.2019	(72) ZHOU, Wei

CRNOGORAC, Filip	(73) Centrillion Technology Holdings Corporation	(22) 06.08.2018
MCGALL, Glenn	(72) ZHOU, Wei	(54) STREPTOCOCCUS AUSTRALIS AS A BIOTHERAPEUTICS
CAO, Jian	COSTA, Justin	(73) Second Genome, Inc.
(31) 201462012238 P	McGALL, Glenn	(72) HAN, Andrew Wonhee
201461979448 P	(31) 201562173943 P	RAJA, Bernat Baeza
201461971542 P	201562173140 P	KAWANA, Shoko
201361912559 P	(32) 11.06.2015	YAMAMOTO, Mitsuko Lynn
201361912027 P	(32) 09.06.2015	DABBAGH, Karim
(32) 13.06.2014	(33) United States of America	DESANTIS, Todd Zachary
14.04.2014	United States of America	(31) 201762541759 P
28.03.2014	(51) C12Q 1/6825	(32) 06.08.2017
06.12.2013	C12Q 1/6869	(33) United States of America
05.12.2013	G16B 30/00	(51) C21C 5/32
(33) United States of America	(11) EP3587591	C21C 7/00
United States of America	(21) EP19183395.3	C21C 7/064
United States of America	(47) 05.10.2022	C21C 5/54
United States of America	(22) 28.06.2019	F27D 3/00
United States of America	(54) SENSOR AND SENSING SYSTEM	F27D 3/18
(51) C12Q 1/68	(73) Illumina, Inc.	(11) EP3752650
C12N 15/115	(72) Moon, John	(21) EP19704797.0
G01N 33/52	(31) 2021376	(47) 05.10.2022
G01N 27/414	201862692468 P	(87) EP2019053318
C12N 15/11	(32) 23.07.2018	22.08.2019
G01N 33/543	(32) 29.06.2018	(22) 11.02.2019
(11) EP3495501	(33) Netherlands	(54) METHOD FOR REFINING MOLTEN METAL USING A CONVERTER
(21) EP18208862.5	United States of America	(73) SMS Group GmbH
(47) 05.10.2022	(51) C12Q 1/6886	(72) KHADHRAOUI, Sabine
(22) 16.02.2010	(11) EP3540078	DAS, Satyajit
(54) BISPHENOL A DETECTION METHOD USING APTAMER	(21) EP18211486.8	ODENTHAL, Hans-Jürgen
(73) Dongguk University Industry-Academic Cooperation Foundation	(47) 05.10.2022	KRAUSE, Fabian
(72) KIM, So Youn	(22) 11.12.2018	KEMMINGER, Andreas
(31) 20090012288	(54) METHOD FOR THE EVALUATION OF THE PROGNOSIS OF BREAST CANCER	(31) 201841005906
20090012287	(73) National Cheng Kung University	(32) 16.02.2018
(32) 16.02.2009	(72) Chen, Pai-Sheng	(33) India
16.02.2009	Li, Jie-Ning	(51) C21C 5/52
(33) Korea (Republic)	Kuo, Yao-Lung	E02D 5/80
Korea (Republic)	(31) 201862641385 P	C21D 8/06
(51) C12Q 1/68	(32) 11.03.2018	C22C 38/04
C12N 15/82	(33) United States of America	C21C 7/064
A01H 5/00	(51) C12Q 1/70	B22D 7/00
(11) EP2247751	(11) EP3830302	C21D 9/00
(21) EP09707597.2	(21) EP19752862.3	C21D 9/52
(47) 05.10.2022	(47) 05.10.2022	C22C 1/02
(87) IL2009000129	(87) US2019044614	C22C 38/00
13.08.2009	06.02.2020	C22C 38/02
(22) 04.02.2009	(22) 01.08.2019	C22C 38/18
(54) DISEASE RESISTANT PEPPER PLANTS	(54) COMPOSITIONS AND METHODS FOR DETECTING NUCLEIC ACIDS OF EPSTEIN-BARR VIRUS	C21C 7/072
(73) Hazera Seeds Ltd.	(73) Gen-Probe Incorporated	C21D 1/26
The Agricultural Research Organization - Volcani Center	(72) SHAH, Ankur	C21D 6/00
(72) PARAN, Ilan	FUNG, Jian Yu	C21D 7/10
BENAROUS, Serge	(31) 201862713330 P	C22C 38/38
ASHKENAZI, Varda	(32) 01.08.2018	(11) EP3686308
(31) 25821 P	(33) United States of America	(21) EP18919931.8
(32) 04.02.2008	(51) C12R 1/01	(47) 05.10.2022
(33) United States of America	A23K 10/18	(87) CN2018088059
(51) C12Q 1/6806	A23L 33/135	28.11.2019
C12Q 1/6869	A61K 38/00	(22) 23.05.2018
(11) EP3527672	C12R 1/46	(54) NPR NONMAGNETIC ANCHOR ROD STEEL MATERIAL AND PRODUCTION METHOD THEREFOR
(21) EP18212384.4	(11) EP3662087	(73) He, Manchao
(47) 05.10.2022	(21) EP18843572.1	Xia, Min
(22) 09.06.2016	(47) 05.10.2022	(72) GUO, Hongyan
(54) OLIGONUCLEOTIDE ARRAYS FOR SEQUENCING NUCLEIC ACIDS	(87) US2018045330	WANG, Jiuping
	14.02.2019	HE, Manchao
		XIA, Min

(51) C21D 1/26 C21D 6/00 C22C 33/00 C23C 2/02 C21D 8/02 C21D 8/04 C21D 9/46 C22C 38/00 C22C 38/02 C22C 38/04 C22C 38/06 C22C 38/18 C22C 38/20 C22C 38/22 C22C 38/40 C22C 38/42 C22C 38/44 (11) EP3332047 (21) EP16747517.7 (47) 05.10.2022 (87) EP2016068575 09.02.2017 (22) 03.08.2016 (54) PRODUCTION METHOD OF A FLEXIBLY-ROLLED STEEL SHEET PRODUCT AND ITS USE (73) Salzgitter Flachstahl GmbH (72) PALZER, Peter EVERTZ, Thomas (31) 102015112889 (32) 05.08.2015 (33) Germany	(31) 1662421 (32) 14.12.2016 (33) France <hr/> (51) C21D 10/00 C21D 8/12 B23K 26/364 B23K 26/00 B23K 26/356 B23K 26/08 B23K 26/40 B23K 101/36 B23K 103/04 (11) EP3733881 (21) EP18894565.3 (47) 05.10.2022 (87) KR2018016037 04.07.2019 (22) 17.12.2018 (54) GRAIN-ORIENTED ELECTRICAL STEEL SHEET AND MAGNETIC DOMAIN REFINING METHOD THEREFOR (73) POSCO (72) PARK, Se-Min KIM, Jae Soo MIN, Ki-Young HONG, Seong-Cheol LEE, Won-Gul (31) 20170179924 (32) 26.12.2017 (33) Korea (Republic)	DOLL, David M. ZIEGLER DOLL, Heidi DOOLEY, Douglas W BANCROFT, Daniel W. (31) 201916508700 (32) 11.07.2019 (33) United States of America <hr/> (51) C22C 21/06 (11) EP3827109 (21) EP19722128.6 (47) 05.10.2022 (87) EP2019061681 21.11.2019 (22) 07.05.2019 (54) METHOD OF MANUFACTURING AN AL-MG-MN ALLOY PLATE PRODUCT (73) Novelis Koblenz GmbH (72) KNAACK, Nele Mareike JACOBY, Bernd BACH, Andreas Harald (31) 18173226 (32) 18.05.2018 (33) European Patent Office (EPO)
(51) C21D 8/02 B21B 37/76 C21D 11/00 (11) EP3660173 (21) EP19204136.6 (47) 05.10.2022 (22) 18.10.2019 (54) METHOD FOR PRODUCING A METALLIC STRIP (73) SMS Group GmbH (72) Oudehinken, Heinz-Jürgen Hassel, Christoph Heimann, Thomas (31) 102018220382 (32) 28.11.2018 (33) Germany	(51) C22C 9/00 C22C 9/02 C22C 9/04 C22F 1/08 H01B 1/02 H01B 5/02 H01B 13/00 (11) EP3351647 (21) EP16846239.8 (47) 05.10.2022 (87) JP2016075246 23.03.2017 (22) 29.08.2016 (54) COPPER ALLOY SHEET AND MANUFACTURING METHOD THEREFOR (73) Dowa Metaltech Co., Ltd (72) ITO Tsuyoshi MIYAGI Kuniaki NARIEDA Hiroto AOYAMA Tomotsugu SUGAWARA Akira (31) 2015184629 (32) 18.09.2015 (33) Japan	(31) C22C 38/00 C22C 38/02 C22C 38/04 C22C 38/06 C22C 38/42 C22C 38/44 C22C 38/46 C22C 38/48 C22C 38/50 C22C 38/54 C22C 38/58 C21D 8/02 C21D 9/00 C21D 9/08 B22D 11/00 B22D 11/10 (11) EP3543366 (21) EP17871656.9 (47) 05.10.2022 (87) JP2017039785 24.05.2018 (22) 02.11.2017 (54) STEEL SHEET, STEEL PIPE FOR LINE PIPE, AND PRODUCTION METHOD THEREFOR (73) Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.) (72) TASHIRO, Kiichiro KAKIZAKI, Motoki (31) 2017176045 2016223416 (32) 13.09.2017 16.11.2016 (33) Japan
(87) EP2017082073 21.06.2018 (22) 08.12.2017 (54) METHOD AND SECTION FOR QUICK COOLING OF A CONTINUOUS LINE FOR TREATING METAL BELTS (73) Fives Stein (72) CODE, Florent MAGADOUX, Eric RAUDENSKI, Miroslav HORSKI, Jaroslav	(51) C22C 19/07 F01L 3/02 F16K 25/00 (11) EP3763843 (21) EP20184911.4 (47) 05.10.2022 (22) 09.07.2020 (54) COBALT-RICH WEAR RESISTANT ALLOY AND METHOD OF MAKING AND USE THEREOF (73) L.E. Jones Company (72) QIAO, Cong Yue	(31) Japan Japan <hr/> (51) C22C 38/08 C22C 38/02 C22C 38/04 C22C 38/06 C22C 38/00 C22C 38/44 C22C 38/16 C22C 38/48 C22C 38/12 C22C 38/14

C22C 38/50	FORMING METHOD AND FILM	(51) C23C 14/58
C22C 38/40	FORMING DEVICE USING SAME	C23C 28/04
C22C 38/42	(73) Sumitomo Metal Mining Co., Ltd.	C23C 28/00
C21D 9/46	(72) OKAMI, Hideharu	B23B 27/00
C21D 8/02	(31) 2016162787	C23C 30/00
C21D 1/18	(32) 23.08.2016	C23C 14/06
C21D 6/00	(33) Japan	C23C 14/32
(11) EP3699310	(51) C23C 14/24	(11) EP3298176
(21) EP18933730.6	C23C 14/20	(21) EP16723376.6
(47) 05.10.2022	C23C 14/56	(47) 05.10.2022
(87) JP2018048244	C23C 14/26	(87) EP2016061235
02.07.2020	C23C 14/06	24.11.2016
(22) 27.12.2018	H01L 31/18	(22) 19.05.2016
(54) NICKEL-CONTAINING STEEL SHEET	H01L 31/032	(54) TOOL WITH MULTI-LAYER ARC PVD
(73) NIPPON STEEL CORPORATION	H01L 21/02	COATING
(72) FURUYA, Hitoshi	(11) EP3559306	(73) Walter AG
WATANABE, Kentaro	(21) EP17822189.1	(72) ALBERS, Ulrich
MORI, Keisuke	(47) 05.10.2022	SCHIER, Veit
ASABA, Masakazu	(87) EP2017081917	(31) 15168747
SUEMATSU, Yoshiaki	28.06.2018	(32) 21.05.2015
(51) C23C 14/00	(22) 07.12.2017	(33) European Patent Office (EPO)
C23C 14/06	(54) LINEAR SOURCE FOR VAPOR	(51) C23C 16/00
C23C 14/32	DEPOSITION WITH AT LEAST THREE	C01B 32/184
C23C 30/00	ELECTRICAL HEATING ELEMENTS	B82Y 30/00
C23C 28/04	(73) Flisom AG	B82Y 40/00
C23C 14/34	(72) KAELIN, Marc	C23C 16/34
(11) EP3662093	(31) 16206110	C01B 32/186
(21) EP18733659.9	(32) 22.12.2016	H05H 1/46
(47) 05.10.2022	(33) European Patent Office (EPO)	(11) EP3567130
(87) EP2018067909	(51) C23C 14/24	(21) EP19183490.2
07.02.2019	C23C 16/455	(47) 05.10.2022
(22) 03.07.2018	(11) EP3253902	(22) 11.05.2017
(54) COATED CUTTING TOOL AND A	(21) EP16702410.8	(54) REACTOR FOR FABRICATION OF
PROCESS FOR ITS MANUFACTURE	(47) 05.10.2022	GRAPHENE
(73) Walter AG	(87) EP2016052021	(73) Instituto Superior Técnico
(72) SCHIER, Veit	11.08.2016	(72) STEFANOVA TATAROVA, Elena
DIECHLE, Dominic	(22) 01.02.2016	DOS SANTOS DUARTE VIEIRA
(31) 17184035	(54) DEVICE FOR COATING A SUBSTRATE	HENRIQUES, Júlio Paulo
(32) 31.07.2017	HAVING A LARGE SURFACE AREA	DA MOTA CAPITÃO LEMOS ALVES,
(33) European Patent Office (EPO)	(73) Aixtron SE	Luis Paulo
(51) C23C 14/04	(72) GOPI, Baskar Pagadala	SOARES GONÇALVES, Bruno Miguel
C23C 14/14	ABDEL-KARIM, Roger	(31) 2016109387
C23C 14/34	BACKES, Patrick Marie Antonius	(32) 13.05.2016
C23C 14/50	(31) 102015101461	(33) Portugal
(11) EP3604607	(32) 02.02.2015	(51) C23C 16/04
(21) EP19189548.1	(33) Germany	C04B 35/83
(47) 05.10.2022	(51) C23C 14/50	(11) EP3874074
(22) 01.08.2019	(11) EP3583243	(21) EP19805395.1
(54) SUBSTRATE SIDE-DEPOSITION	(21) EP18708327.4	(47) 05.10.2022
APPARATUS	(47) 05.10.2022	(87) IB2019059291
(73) Tetos Co., Ltd.	(87) EP2018000063	07.05.2020
(72) SONG, Kun Ho	23.08.2018	(22) 30.10.2019
(31) 20180090615	(22) 16.02.2018	(54) METHOD AND ASSEMBLY FOR
(32) 03.08.2018	(54) TOOL FIXTURE FOR MULTIPLE	INFILTRATION AND RAPID PHASE
(33) Korea (Republic)	PROCESS STEPS	DEPOSITION OF POROUS
(51) C23C 14/20	(73) Oerlikon Surface Solutions AG, Pfäffikon	COMPONENTS
C23C 14/34	(72) VOGEL, Remo	(73) Petroceramics S.p.A.
C23C 14/50	SIEBERT, Max	(72) VAVASSORI, Paolo
C23C 14/56	ROMBACH, Mario	VALLE, Massimiliano
(11) EP3505653	BARTHOLET, Philipp	(31) 18203800
(21) EP17843619.2	DEMIRI, Masar	(32) 31.10.2018
(47) 05.10.2022	MUELLER, Dieter	(33) European Patent Office (EPO)
(87) JP2017030065	HEGERSWEILER, Sven	(51) C23C 18/16
01.03.2018	BENEDIKT, Sebastian	C23C 18/20
(22) 23.08.2017	WALT, Roger	C23C 18/24
(54) ROLL-TO-ROLL SURFACE	(31) 201762459665 P	C23C 18/30
TREATMENT DEVICE, AND FILM	(32) 16.02.2017	(11) EP3440234
	(33) United States of America	(21) EP17714784.0

(47) 05.10.2022	(11) EP3592696	(32) 17.12.2018
(87) EP2017057766	(21) EP18712114.0	(33) France
12.10.2017	(47) 05.10.2022	(51) C25F 7/00
(22) 31.03.2017	(87) EP2018055835	(11) EP3833803
(54) PROCESS FOR METALLIZATION	13.09.2018	(21) EP19766368.5
OF AN ARTICLE HAVING A	(22) 08.03.2018	(47) 05.10.2022
PLASTIC SURFACE AVOIDING THE	(54) METHOD AND ARRANGEMENT	(87) IT2019050181
METALLIZATION OF THE RACK WHICH	FOR PROVIDING A PLURALITY OF	13.02.2020
FIXES THE ARTICLE WITHIN THE	NANOWIRES	(22) 05.08.2019
PLATING BATH	(73) NanoWired GmbH	(54) ELECTROLYTICALLY ACTING
(73) Coventya S.p.A.	(72) BIRLEM, Olav	DOCTOR BLADE FOR PICKLING
(72) DALBIN, Sandrine	SCHLAAK, Helmut F.	AND CLEANING CURVED METAL
POMMIER, Nicolas	QUEDNAU, Sebastian	SURFACES
SCHIAVON, Gianluigi	ROUSTAIE, Farough	(73) NITTY-GRITTY S.R.L.
PIES, Peter	DASSINGER, Florian	(72) LAPELOSA, Marco
(31) 16163748	WICK, Konja	(31) 201800007869
(32) 04.04.2016	(31) 102017104906	(32) 06.08.2018
(33) European Patent Office (EPO)	(32) 08.03.2017	(33) Italy
(51) C25B 15/02	(33) Germany	(51) C30B 29/42
C25B 9/05	(51) C25D 1/04	C30B 25/16
C25B 1/04	H01M 4/66	C30B 29/40
C25B 15/08	H01M 10/052	H01L 21/02
(11) EP3882376	C25D 3/38	H01L 29/36
(21) EP20164194.1	H01M 4/02	H01L 29/861
(47) 05.10.2022	(11) EP3808876	(11) EP3839109
(22) 19.03.2020	(21) EP20749192.9	(21) EP20000461.2
(54) HIGH-PRESSURE ELECTROLYSER	(47) 05.10.2022	(47) 05.10.2022
ASSEMBLY AND VEHICLE WITH AN	(87) CN2020072157	(22) 11.12.2020
ELECTROLYSER ASSEMBLY	06.08.2020	(54) GAS PHASE EPITAXY METHOD
(73) Airbus Defence and Space GmbH	(22) 15.01.2020	(73) AZUR SPACE Solar Power GmbH
(72) Lohmiller, Winfried	(54) ELECTROLYTIC COPPER FOIL,	(72) Wächter, Clemens
Rambausek, Tobias	ELECTRODE, AND LITHIUM ION	Keller, Gregor
Jehle, Walter	SECONDARY BATTERY HAVING SAME	(31) 102019008928
(51) C25C 7/02	(73) Chang Chun Petrochemical Co., Ltd.	(32) 20.12.2019
C23F 1/02	(72) HUANG, Huei-Fang	(33) Germany
C25C 1/08	WU, Chih-Chung	(51) D01D 5/092
C25D 17/12	LAI, Yao-Sheng	D01D 5/098
C25D 1/00	CHOU, Jui-Chang	(11) EP3831989
C25D 1/20	(31) 201916584157	(21) EP20211795.8
C25D 17/16	201962800263 P	(47) 05.10.2022
C23F 1/04	(32) 26.09.2019	(22) 04.12.2020
(11) EP3633074	01.02.2019	(54) PLANT FOR PRODUCING NON-
(21) EP18809926.1	(33) United States of America	WOVEN FABRIC
(47) 05.10.2022	United States of America	(73) Ramina S.R.L.
(87) JP2018013187	(51) C25F 3/22	(72) RAMINA, Graziano
06.12.2018	B23H 3/08	(31) 201900023235
(22) 29.03.2018	B23H 9/10	(32) 06.12.2019
(54) CATHODE PLATE FOR METAL	C25D 3/56	(33) Italy
ELECTRODEPOSITION AND	(11) EP3899110	(51) D01G 25/00
MANUFACTURING METHOD FOR	(21) EP19842831.0	(11) EP3575455
SAME	(47) 05.10.2022	(21) EP19175781.4
(73) Sumitomo Metal Mining Co., Ltd.	(87) FR2019053122	(47) 05.10.2022
(72) WATANABE Hiroto	25.06.2020	(22) 21.05.2019
MATSUOKA Itsumi	(22) 17.12.2019	(54) SYSTEM FOR FORMING A LAP OF
SENBA Yusuke	(54) ELECTROLYTE FOR	FIBRES
KOBAYASHI Hiroshi	ELECTROCHEMICAL MACHINING	(73) Andritz Asselin-Thibeau
(31) 2017105796	OF GAMMA-GAMMA PRIME TYPE	(72) Laune, Jean-Christophe
(32) 29.05.2017	NICKEL-BASED SUPERALLOYS	Jabri, Wael
(33) Japan	(73) SAFRAN AIRCRAFT ENGINES	(31) 1870626
(51) C25D 1/00	Université de Lorraine	(32) 31.05.2018
C25D 1/04	Centre national de la recherche	(33) France
C25D 3/38	scientifique	(51) D02G 3/32
H01L 23/00	(72) MSAKNI MALOUCHE, Mariem	D03D 15/56
H01M 4/75	LECOMTE, Janvier	(11) EP3385416
H05K 3/24	RANCIC, Mickael	(21) EP18174297.4
H05K 3/40	STEIN, Nicolas	(47) 05.10.2022
B82Y 40/00	BOULANGER, Clotilde	(22) 16.04.2008
H01M 4/04	(31) 1873037	

(54) ELASTIC COMPOSITE YARNS AND WOVEN FABRICS MADE THEREFROM, AND METHODS AND APPARATUS FOR MAKING THE SAME	D06F 34/32 D06F 101/00 G10L 15/28 H04R 1/04	(54) LAUNDRY TREATMENT APPARATUS
(73) The LYCRA Company UK Limited	H04R 1/28	(73) LG Electronics Inc.
(72) THARPE, Ralph	(11) EP3613887	(72) NOH, Hyunwoo
ALLEN, John, L., Jr.	(21) EP19193089.0	KIM, Changoh
LITTLE, Fulton A.	(47) 05.10.2022	HONG, Sangwook
HART, Reuben E.	(22) 22.08.2019	(31) 20170101333
(31) 907774 P	(54) LAUNDRY TREATMENT APPARATUS HAVING A VOICE RECOGNITION UNIT	(32) 09.08.2017
(32) 17.04.2007	(73) LG ELECTRONICS INC.	(33) Korea (Republic)
(33) United States of America	(72) KANG, Hyojeong	<hr/>
(51) D04B 15/56	RYU, Hwanchan	(51) D06F 75/12
D04B 1/12	AN, Junhee	D06F 75/20
(11) EP3333291	(31) 20180098220	D06F 75/24
(21) EP18153691.3	(32) 22.08.2018	D06F 75/38
(47) 05.10.2022	(33) Korea (Republic)	(11) EP2746460
(22) 09.03.2012	<hr/>	(21) EP13192935.8
(54) METHOD OF MANUFACTURING A KNITTED COMPONENT	(51) D06F 39/08	(47) 05.10.2022
(73) NIKE Innovate C.V.	D06F 33/30	(22) 14.11.2013
(72) HUFFA, Bruce	D06F 103/48	(54) STEAM IRONING APPLIANCE COMPRISING A PRESSURISED STEAM GENERATOR AND AN IRON
DUA, Bhupesh	D06F 105/46	(73) SEB S.A.
(31) 201113048540	A47L 15/00	(72) SULPICE, François
(32) 15.03.2011	A47L 15/42	COUET, Bertrand
(33) United States of America	(11) EP3424398	CHARTOIRE, Xavier
(51) D04H 1/56	(21) EP18177243.5	(31) 1262633
D04H 1/70	(47) 05.10.2022	(32) 21.12.2012
(11) EP3571338	(22) 12.06.2018	(33) France
(21) EP18703177.8	(54) METHOD FOR OPERATING A WATER-BEARING DOMESTIC APPLIANCE WITH IMPROVED DETERMINATION OF A ZERO LOAD OF A PUMP AND HOUSEHOLD APPLIANCE FOR SAME	<hr/>
(47) 05.10.2022	(73) BSH Hausgeräte GmbH	(51) D06F 75/12
(87) US2018014739	(72) Römer, Raymond	H04B 3/54
26.07.2018	Skrippek, Jörg	H04L 12/10
(22) 22.01.2018	Wetzel, Stefan	D06F 75/26
(54) AN APPARATUS FOR PRODUCING A HIGH-LOFT, NONWOVENWEB, ITS USE, AND THE HIGH-LOFT, NONWOVEN WEB EXHIBITING EXCELLENT RECOVERY OBTAINED THEREFROM	(31) 102017211571	(11) EP3676441
(73) Biax-Fiberfilm Corporation	(32) 06.07.2017	(21) EP18769788.3
(72) BROWN, Douglas B.	(33) Germany	(47) 05.10.2022
STARK, Jeffrey D.	(51) D06F 39/08	(87) IB2018056043
HASSAN, Mohammad A.	D06F 37/26	07.03.2019
(31) 201715412670	(11) EP3613893	(22) 10.08.2018
(32) 23.01.2017	(21) EP19192759.9	(54) IRONING SYSTEM COMPRISING TWO-WAY DATA TRANSMISSION BETWEEN THE BASE AND IRON
(33) United States of America	(47) 05.10.2022	(73) Laurastar SA
(51) D05B 69/12	(22) 21.08.2019	(72) MONNERAT, Christophe
G01D 5/20	(54) APPARATUS FOR TREATING LAUNDRY	DECASTEL, Sylvain
(11) EP3695041	(73) LG Electronics Inc.	SEYDOUX, Laurent
(21) EP18739851.6	(72) KIM, Sungyong	(31) 17188726
(47) 05.10.2022	KIM, Jinwoong	(32) 31.08.2017
(87) EP2018068860	LEE, Kilryong	(33) European Patent Office (EPO)
18.04.2019	(31) 20180098665	<hr/>
(22) 12.07.2018	20180098618	(51) D06F 81/08
(54) SEWING MACHINE DRIVE	(32) 23.08.2018	D06F 73/00
(73) Frankl & Kirchner GmbH & Co KG	23.08.2018	D06F 81/00
Fabrik für Elektromotoren u. elektrische Apparate	(33) Korea (Republic)	(11) EP3564433
(72) SINN, Wolfgang	Korea (Republic)	(21) EP17886622.4
(31) 102017218354	<hr/>	(47) 05.10.2022
(32) 13.10.2017	(51) D06F 58/24	(87) KR2017015704
(33) Germany	D06F 58/02	05.07.2018
(51) D06F 34/28	D06F 37/26	(22) 29.12.2017
D06F 25/00	D06F 25/00	(54) SYSTEM IRON
D06F 39/14	D06F 58/26	(73) LG Electronics Inc.
H04R 1/02	D06F 58/04	(72) YE, Sungmin
D06F 34/05	(11) EP3441519	PARK, Jiyeon
	(21) EP18188175.6	(31) 20160184191
	(47) 05.10.2022	(32) 30.12.2016
	(22) 09.08.2018	(33) Korea (Republic)
		<hr/>
		(51) D21F 9/00
		(11) EP3770320
		(21) EP18910463.1
		(47) 05.10.2022
		(87) JP2018010885
		26.09.2019

(22) 19.03.2018	HAEHNLE, Hans-Joachim	(33) China
(54) PAPER ROLL PRODUCTION APPARATUS	(31) 15179980	(51) E02F 3/36
(73) Corelex Shin-Ei Co., Ltd.	(32) 06.08.2015	(11) EP3184699
(72) KUROSAKI, Satoshi	(33) European Patent Office (EPO)	(21) EP16201100.1
(51) D21G 9/00	(51) E01B 7/12	(47) 05.10.2022
G01N 33/34	E01B 19/00	(22) 29.11.2016
(11) EP3441521	(11) EP3936662	(54) A COUPLING APPARATUS
(21) EP17185535.6	(21) EP20020316.4	(73) Caterpillar Work Tools B. V.
(47) 05.10.2022	(47) 05.10.2022	(72) QUAEDVLIEG, Charles Pierre Armand
(22) 09.08.2017	(22) 08.07.2020	Henri
(54) METHOD AND DEVICE FOR CONTROLLING A PROCESSING UNIT, COMPUTER PROGRAM PRODUCT AND PAPER MACHINE	(54) RAIL SECTION	KONINGSBRUGGE, Antonius
(73) Siemens Energy Global GmbH & Co. KG	(73) voestalpine Railway Systems GmbH	Theodorus Franciscus Van
(72) Schwarz, Hermann	voestalpine Turnout Technology Zeltweg GmbH	(31) 201522825
(51) D21H 11/00	Getzner Werkstoffe Holding GmbH	(32) 23.12.2015
B01D 39/16	(72) Augustin, Andreas	(33) United Kingdom
B65D 85/804	Loy, Harald	(51) E02F 3/36
B65D 85/808	Stocker, Erik	(11) EP3699362
D21H 27/00	Ossberger, Heinz	(21) EP19158641.1
D21H 27/08	(51) E01B 29/26	(47) 05.10.2022
D21H 27/10	B25C 11/00	(22) 21.02.2019
(11) EP3839138	(11) EP3677725	(54) COUPLING SYSTEM FOR REVERSIBLY COUPLING AN IMPLEMENT TO A WORKING MACHINE
(21) EP19219126.0	(21) EP20150387.7	(73) Geel Vermietungs- und Beteiligungs GmbH
(47) 05.10.2022	(47) 05.10.2022	(72) ELLMAUER, Gerhard
(22) 20.12.2019	(22) 06.01.2020	(51) E02F 3/43
(54) WATER-VAPOUR-PERMEABLE AND HOT WATER RESISTANT PAPER	(54) RAILROAD SPIKE REMOVER	E02F 9/20
(73) Mondi AG	(73) Focused Technology Solutions, Inc.	E02F 9/22
(72) SCHWAIGER, Elisabeth	(72) Benjamin, Timothy J.	E02F 9/26
GOESS, Paulus	Bartek, Peter M.	(11) EP3828346
(51) D21H 17/11	Dash, Corey	(21) EP19855625.0
D21H 17/28	Alonzo, Kristopher Andre	(47) 05.10.2022
D21H 19/54	Barnby, Trevor Lee-Michael	(87) JP2019033955
D21H 17/15	Gantt, Samuel Horace	05.03.2020
D21H 21/16	Ruhala, Laura Ann	(22) 29.08.2019
(11) EP3519625	Scott, Daniel Richard	(54) CONSTRUCTION MACHINE
(21) EP17790861.3	(31) 202016734125	(73) Kobelco Construction Machinery Co., Ltd.
(47) 05.10.2022	201962788925 P	Hiroshima University
(87) NL2017050649	(32) 03.01.2020	(72) KOZUI, Masatoshi
05.04.2018	06.01.2019	YAMAMOTO, Toru
(22) 29.09.2017	(33) United States of America	KOIWAI, Kazushige
(54) GREASEPROOF PAPER	United States of America	AKIYAMA, Masaki
(73) Coöperatie Koninklijke Avebe U.A.	(51) E01C 19/00	(31) 2018163172
(72) DELNOYE, Didier Andre Pierre	E01C 19/48	(32) 31.08.2018
BEUGELING, John	(11) EP3760790	(33) Japan
(31) 16191852	(21) EP20181844.0	(51) E02F 3/88
(32) 30.09.2016	(47) 05.10.2022	B60P 1/16
(33) European Patent Office (EPO)	(22) 24.06.2020	E02F 7/06
(51) D21H 17/38	(54) SELF-PROPELLED CONSTRUCTION MACHINE AND METHOD FOR CONTROLLING THE SAME	E01H 1/08
D21H 17/40	(73) Wirtgen GmbH	(11) EP3583271
D21H 17/41	(72) FRITZ, Matthias	(21) EP18717549.2
D21H 17/67	(31) 102019118059	(47) 05.10.2022
D21H 21/06	(32) 04.07.2019	(87) EP2018058755
D21H 21/10	(33) Germany	01.11.2018
D21H 21/20	(51) E02D 27/52	(22) 05.04.2018
D21H 23/28	E02D 29/063	(54) SUCTION DREDGER HAVING A SWIVELING FILTER UNIT
(11) EP3332063	(11) EP3945164	(73) RSP GMBH
(21) EP16750742.5	(21) EP20192727.4	(72) RENGER, Karl-Heinz
(47) 05.10.2022	(47) 05.10.2022	RENGER, Marina
(87) EP2016068622	(22) 25.08.2020	GRABER, Jens
09.02.2017	(54) UNDERWATER TRAFFIC TUNNEL	(31) 102017108731
(22) 04.08.2016	(73) Du, Di	(32) 24.04.2017
(54) METHOD FOR PRODUCING PAPER	Du, Yang	(33) Germany
(73) Solenis Technologies Cayman, L.P.	(72) Du, Di	
(72) ESSER, Anton	(31) 202010738096	
	(32) 28.07.2020	

(51) E02F 5/02 E02F 5/10 E02F 5/14 F16L 1/032 G02B 6/50 H02G 1/06	(72) TIMMANN, Ulf Arno LEFFLER, Jens GERHARDS, Katja SCHYMITZEK, Tatiana POETHKOW, Daniela	MOU, Ben YU, Hong ZHANG, Sulei JIA, Zhiqing YU, Fengbo ZHU, Yaguang WANG, Wenrui
(11) EP2999826 (21) EP14801497.0 (47) 05.10.2022 (87) SE2014000068 27.11.2014 (22) 22.05.2014 (54) MACHINE ARRANGED FOR SAWING MICRO TRANCHES AND PLACING DUCTS/CABLES IN MICRO TRENCHES	(51) E03D 13/00 (11) EP3719226 (21) EP19167022.3 (47) 05.10.2022 (22) 03.04.2019 (54) FLUSH VALVE (73) Geberit International AG (72) SALZMANN, Stefan OBERHOLZER, Roland	(31) 201910833533 (32) 04.09.2019 (33) China
(73) Husqvarna AB Gustavsson, Conny Hultman, Hasse (72) GUSTAVSSON, Conny HULTMAN, Hasse (31) 1300377 (32) 23.05.2013 (33) Sweden	(51) E03F 1/00 (11) EP3449063 (21) EP17807752.5 (47) 05.10.2022 (87) EP2017079280 24.05.2018 (22) 15.11.2017 (54) WASTE TRANSFER SYSTEM FOR A TOILET OF A PUBLIC TRANSPORT VEHICLE	(51) E04C 3/26 E04C 5/07 E04C 5/08 (11) EP3175058 (21) EP15759623.0 (47) 05.10.2022 (87) CH2015000112 04.02.2016 (22) 28.07.2015 (54) METHOD FOR PRODUCING A CONCRETE WORKPIECE PRESTRESSED BY A REINFORCEMENT, AND CONCRETE WORKPIECE PRESTRESSED BY A REINFORCEMENT
(51) E02F 9/28 (11) EP3458648 (21) EP17720978.0 (47) 05.10.2022 (87) US2017028740 23.11.2017 (22) 21.04.2017 (54) RETAINER SLEEVE FOR GROUND ENGAGING TOOLS	(73) Alte Technologies S.L.U. (72) CHRISTENSEN, Lars Henrik PUEBLA RIBAS, Dídac (31) 16198827 (32) 15.11.2016 (33) European Patent Office (EPO)	(73) Synrocks SA (72) MARTINOLA, Giovanni PEDRETTI-RODI, Andrea (31) 11542014 (32) 28.07.2014 (33) Switzerland
(73) Caterpillar Inc. (72) SERRURIER, Doug BALAN, Mihai, Mircea SCHICK, Scott, Anthony SINN, Eric, Thomas JURA, Jason, Grant VENUGOPAL, Arun MUTHUSAMY, Kadirvel (31) 201715479320 201662337001 P (32) 05.04.2017 16.05.2016 (33) United States of America United States of America	(51) E04B 1/00 E06B 3/54 E06B 3/66 E04D 3/08 E04B 1/12 (11) EP3088620 (21) EP16166457.8 (47) 05.10.2022 (22) 21.04.2016 (54) GLAZING WITH SUPPORT STRUCTURE FOR INSULATING GLASS PANES	(51) E04D 3/36 E04D 12/00 E04D 13/16 (11) EP3851608 (21) EP21151187.8 (47) 05.10.2022 (22) 12.01.2021 (54) METHOD FOR MANUFACTURING A ROOF COVERING OF A BUILDING
(51) E03C 1/126 (11) EP3676459 (21) EP18762494.5 (47) 05.10.2022 (87) EP2018073249 07.03.2019 (22) 29.08.2018 (54) DRAIN VALVE, A METHOD AND USE THEREOF	(73) Neumaier, Christian (72) Neumaier, Christian (31) 102015106666 (32) 29.04.2015 (33) Germany	(73) Onduline (72) LUCCHINI, Angelo STEFANAZZI, Alberto TORELLI, Davide (31) 2000442 (32) 17.01.2020 (33) France
(73) Clean Technology Systems Ltd. (72) NIELSEN, Karsten Charlie (31) PA201770651 (32) 30.08.2017 (33) Denmark	(51) E04B 1/30 E04B 5/02 E04B 1/24 E04B 1/58 E04B 1/18 E04B 5/12 E04B 5/14 E04C 3/36 E04C 3/292 E04B 1/26 (11) EP3865631 (21) EP20859998.5 (47) 05.10.2022 (87) CN2020089292 11.03.2021 (22) 09.05.2020 (54) ASSEMBLED FLOOR SLAB-TYPE STEEL/WOOD COMBINATION JOINT AND ASSEMBLY METHOD THEREFOR	(51) E04D 13/04 E04D 13/158 (11) EP3862503 (21) EP21153522.4 (47) 05.10.2022 (22) 26.01.2021 (54) EAVES AREA WITH EAVES METAL SHEET FOR DRAINING RAINWATER AT AN EAVE (73) Riedl, Markus (72) Riedl, Markus (31) 202020100628 U (32) 05.02.2020 (33) Germany
(51) E03D 9/03 (11) EP3477010 (21) EP17198709.2 (47) 05.10.2022 (22) 26.10.2017 (54) WC RIM BLOCK AND WC FLUSHING SYSTEM	(73) Qingdao University Of Technology (72) GUO, Siyao	(51) E04F 13/06 (11) EP3569790 (21) EP18173185.2 (47) 05.10.2022 (22) 18.05.2018 (54) SEALING PROFILE AND BUILDING TRANSITION WITH SEALING PROFILE
(73) Henkel AG & Co. KGaA		



(73) Braun, August	European Patent Office (EPO)	(21) EP20709470.7
(72) Meyer, Oliver	(51) E04G 21/12	(47) 05.10.2022
(51) E04F 15/02	(11) EP3607154	(87) DE2020100044
E04F 15/04	(21) EP18780310.1	10.09.2020
(11) EP3623544	(47) 05.10.2022	(22) 24.01.2020
(21) EP19206640.5	(87) SE2018050353	(54) MOTOR VEHICLE LOCK
(47) 05.10.2022	11.10.2018	(73) Kiekert AG
(22) 14.08.2012	(22) 04.04.2018	(72) WAHMANN, Hendrik
(54) MECHANICAL LOCKING SYSTEM FOR FLOOR PANELS	(54) WIRE BINDING MACHINE COMPRISING AN ARRANGEMENT FOR GUIDING A WIRE IN THE WIRE BINDING MACHINE	(31) 102019105631
(73) Ceraloc Innovation AB	(73) Husqvarna AB	(32) 06.03.2019
(72) PERVAN, Darko	(72) KARLSSON, Magnus	(33) Germany
PERVAN, Tony	GUSTAFSSON, Lennart	(51) E06B 5/11
(31) 1150741	(31) 1750419	G08B 13/04
201161523584 P	(32) 06.04.2017	G08B 13/08
(32) 15.08.2011	(33) Sweden	(11) EP3670811
15.08.2011	(51) E04H 4/14	(21) EP19218762.3
(33) Sweden	E06B 1/00	(47) 05.10.2022
United States of America	(11) EP3619377	(22) 20.12.2019
(51) E04F 15/024	(21) EP17908357.1	(54) GLASS REMOVAL SENSOR FOR DETECTING REMOVAL OF A PANE FROM A WINDOW OR DOOR
E04F 15/02	(47) 05.10.2022	(73) Sensative AB
(11) EP3789563	(87) CN2017082993	Gilje Tre AS
(21) EP20192214.3	08.11.2018	(72) Jonsson, Lars
(47) 05.10.2022	(22) 04.05.2017	Pettersson, Mats
(22) 21.08.2020	(54) WINDOW FOR AN ABOVE-GROUND POOL	(31) 18215562
(54) PEDESTAL/STAND FOR RAISED FLOORS	(73) Bestway Inflatables & Material Corp.	(32) 21.12.2018
(73) Progress Profiles SPA	(72) HUANG, Shuiyong	(33) European Patent Office (EPO)
(72) BORDIN, Dennis	YANG, Chun	(51) E06B 7/18
(31) 201900015545	WAN, Changde	E06B 3/22
(32) 04.09.2019	(51) E04H 12/08	E05C 19/00
(33) Italy	F03D 13/20	(11) EP3792440
(51) E04F 15/10	F03D 13/25	(21) EP20191431.4
B32B 27/12	(11) EP3874101	(47) 05.10.2022
B32B 27/20	(21) EP19794965.4	(22) 18.08.2020
B32B 27/30	(47) 05.10.2022	(54) WINDOW OR DOOR WITH LOCKING ELEMENT
B32B 37/15	(87) EP2019078966	(73) SIEGENIA-AUBI KG
B32B 38/08	07.05.2020	(72) DINGER, Georg
B32B 38/00	(22) 24.10.2019	(31) 202019003736 U
B32B 3/06	(54) A FLANGE ELEMENT, A FLANGE CONNECTION COMPRISING SUCH FLANGE ELEMENTS AND A TOWER STRUCTURE	(32) 11.09.2019
F16B 5/00	(73) TP-Products AS	(33) Germany
(11) EP3312362	(72) LASSESEN, Sjur	(51) E06B 9/32
(21) EP17194029.9	(31) 20181410	E06B 9/68
(47) 05.10.2022	(32) 02.11.2018	E06B 9/322
(22) 20.08.2012	(33) Norway	E06B 9/62
(54) MULTI-LAYER ELASTIC FLOOR PANEL HAVING A REINFORCED PVC CORE	(51) E04H 15/06	E06B 9/262
(73) I4F LICENSING NV	B60P 3/34	H04W 52/02
Flooring Industries Limited, SARL	(11) EP3686377	(11) EP2757225
Välinge Innovation AB	(21) EP19853239.2	(21) EP14153748.0
(72) Windmüller, Ulrich	(47) 05.10.2022	(47) 05.10.2022
(31) 201113214175	(87) KR2019010939	(22) 08.03.2012
(32) 20.08.2011	05.03.2020	(54) Low power radio frequency receiver
(33) United States of America	(22) 27.08.2019	(73) Lutron Technology Company LLC
(51) E04F 17/06	(54) ROOFTOP TENT FOR VEHICLE	(72) Cooney, Andrew K.
(11) EP3839171	(73) iKamper Co., Ltd.	Crafts, Jordan H.
(21) EP20213015.9	(72) PARK, Soon Gyu	Dejonge, Stuart
(47) 05.10.2022	(31) 20180100616	Knodel, Galen E.
(22) 10.12.2020	(32) 27.08.2018	Lenz, John T.
(54) LIGHT SHAFT INSULATING BOARD	(33) Korea (Republic)	Mierta, Justin J.
(73) MEA Bautechnik GmbH	(51) E05B 85/26	Mosebrook, Donald R.
(72) GRAHAMMER, Josef	(11) EP3935245	(31) 201161547319 P
(31) 102019220489		201161530799 P
20173492		201161451960 P
(32) 20.12.2019		(32) 14.10.2011
07.05.2020		02.09.2011
(33) Germany		11.03.2011
		(33) United States of America

United States of America	(21) EP18713465.5	(21) EP20216101.4
United States of America	(47) 05.10.2022	(47) 05.10.2022
(51) E06B 9/40	(87) US2018021012	(22) 21.12.2020
E06B 9/42	13.09.2018	(54) ROTOR DISK WITH INTEGRAL BORE BASKET
E06B 9/50	(22) 06.03.2018	(73) Raytheon Technologies Corporation
(11) EP3404193	(54) DOWNHOLE CASING PULLING TOOL	(72) GIANNAKOPOULOS, Konstantinos P.
(21) EP17738107.6	(73) Weatherford Technology Holdings, LLC	(31) 202016797839
(47) 05.10.2022	(72) SCHULTZ, JR., William Allen	(32) 21.02.2020
(87) CN2017070595	TEALE, David W.	(33) United States of America
20.07.2017	(31) 201715454921	(51) F01D 5/14
(22) 09.01.2017	(32) 09.03.2017	F01D 5/20
(54) ROLLER SHUTTER WHICH IS CONVENIENT TO MOUNT	(33) United States of America	F01D 5/28
(73) HD4U Smart Home Co., Ltd.	(51) E21B 33/12	(11) EP3620610
(72) SCHORLING, Stefan Herman Georg	E21B 33/127	(21) EP19194317.4
(31) 201610017977	(11) EP2239414	(47) 05.10.2022
(32) 11.01.2016	(21) EP10006347.8	(22) 29.08.2019
(33) China	(47) 05.10.2022	(54) GAS TURBINE ENGINE
(51) E06B 9/42	(22) 22.08.2008	(73) Rolls-Royce plc
E06B 9/46	(54) SEALING ASSEMBLY	(72) Benson, Christopher
E06B 9/50	(73) Swellfix B.V.	Baralon, Stephane
E06B 9/64	(72) MCROBB, Graeme	(31) 201814315
E06B 9/66	DEWAR, John	(32) 04.09.2018
E06B 9/72	(31) 0716640	(33) United Kingdom
G03B 21/58	(32) 25.08.2007	(51) F01D 5/14
(11) EP3679217	(33) United Kingdom	F01D 9/04
(21) EP18762096.8	(51) E21B 34/08	F04D 29/54
(47) 05.10.2022	E21B 34/06	F04D 29/66
(87) EP2018073679	E21B 43/12	(11) EP3676480
07.03.2019	E21B 43/14	(21) EP18769761.0
(22) 04.09.2018	(11) EP3844367	(47) 05.10.2022
(54) MOTORIZED OPERATING DEVICE FOR OPERATING A MOVABLE SCREEN, HAVING A WINDING CANVAS, OF A WINDOW COVERING OR PROJECTION SCREEN DEVICE	(21) EP19855727.4	(87) FR2018052114
(73) Somfy Activites SA	(47) 05.10.2022	07.03.2019
(72) LEMAITRE, Sébastien	(87) NO2019050167	(22) 28.08.2018
DUCRETET-PAJOT, Guillaume	05.03.2020	(54) TURBOMACHINE FAN FLOW-STRAIGHTENER VANE, TURBOMACHINE ASSEMBLY COMPRISING SUCH A VANE, AND TURBOMACHINE EQUIPPED WITH SAID VANE OR WITH SAID ASSEMBLY
(31) 1758140	(22) 16.08.2019	(73) Safran Aircraft Engines
1758141	(54) A VALVE FOR CLOSING FLUID COMMUNICATION BETWEEN A WELL AND A PRODUCTION STRING, AND A METHOD OF USING THE VALVE	(72) LEMARCHAND, Kevin, Morgane
1758142	(73) Innowell Solutions AS	JODET, Norman, Bruno, André
(32) 04.09.2017	(72) KILLIE, Rune	MARTIN, Guillaume
04.09.2017	RINDE, Trygve	SOULAT, Laurent
04.09.2017	(31) 20181120	(31) 1757896
(33) France	(32) 27.08.2018	(32) 28.08.2017
France	(33) Norway	(33) France
France	(51) E21B 43/00	(51) F01D 5/18
(51) E21B 6/04	E21B 15/00	F01D 9/06
E21B 4/10	(11) EP3507452	(11) EP3768949
E21B 6/02	(21) EP17847667.7	(21) EP19718435.1
E21B 31/107	(47) 05.10.2022	(47) 05.10.2022
E21B 1/02	(87) US2017049978	(87) FR2019050639
(11) EP3833842	08.03.2018	26.09.2019
(21) EP19848484.2	(22) 01.09.2017	(22) 20.03.2019
(47) 05.10.2022	(54) IMPROVED SUBSEA FIELD ARCHITECTURE	(54) TURBINE VANE COMPRISING IMPINGEMENT COOLING FEATURES
(87) IB2019056662	(73) FMC Technologies, Inc.	(73) Safran Helicopter Engines
13.02.2020	(72) HALVORSEN, Tore	(72) HALLOUIN, Baptiste
(22) 06.08.2019	COUTO, Paulo	CASAUX-BIC, Jean-Maurice
(54) PERCUSSION DEVICE	MARION, Alain	MONTPELLAZ, Alexandre
(73) McMillan, Jaron Lyell	(31) 201662383199 P	RENAULT, Lionel
(72) McMillan, Jaron Lyell	(32) 02.09.2016	(31) 1852545
(31) 18745010	(33) United States of America	(32) 23.03.2018
(32) 07.08.2018	(51) F01D 5/08	(33) France
(33) New Zealand	F02C 7/18	(51) F01D 11/00
(51) E21B 29/00	F02C 9/18	F16J 15/16
E21B 31/16	F04D 29/044	
(11) EP3592938	F04D 29/32	
	(11) EP3869006	

(11) EP3619403	(87) DK2017050453	(72) Mohamed, Ashraf
(21) EP17908612.9	05.07.2018	Magalhaes, Wagner
(47) 05.10.2022	(22) 27.12.2017	(31) 201916574298
(87) US2017030834	(54) AN INDUSTRIAL PLANT WITH A	(32) 18.09.2019
08.11.2018	LUBRICATION OIL CLEANING SYSTEM	(33) United States of America
(22) 03.05.2017	AND A METHOD OF OPERATING THE	(51) F02C 7/10
(54) IMPROVED CIRCUMFERENTIAL	INDUSTRIAL PLANT	F01D 15/10
SEAL ASSEMBLY WITH ADJUSTABLE	(73) Ocean Team Group A/S	(11) EP2964931
SEATING FORCES	(72) THOMSEN, Jens Peder Høg	(21) EP13857656.6
(73) Stein Seal Company	(31) PA201671052	(47) 05.10.2022
(72) GARRISON, Glenn, M.	(32) 28.12.2016	(87) US2013070480
(51) F01D 17/10	(33) Denmark	12.09.2014
F02C 6/08	(51) F01N 3/023	(22) 18.11.2013
F02C 7/26	F01N 3/00	(54) VEHICLE RECUPERATOR
F02C 9/18	E02F 9/00	(73) Rolls-Royce Corporation
F16K 1/12	F01N 3/021	(72) NORDSTROM, Carl, David
F16K 3/26	(11) EP3739177	RODRIGUEZ, Rigoberto, Jorge
(11) EP3604743	(21) EP19771428.0	(31) 201361774547 P
(21) EP19189049.0	(47) 05.10.2022	(32) 07.03.2013
(47) 05.10.2022	(87) JP2019001130	(33) United States of America
(22) 30.07.2019	26.09.2019	(51) F02C 7/10
(54) PASSIVE BLEED VALVES WITH	(22) 16.01.2019	F02C 7/224
ADJUSTABLE PRESSURE	(54) WORK MACHINE PROVIDED WITH	F02C 7/236
THRESHOLD	ENGINE	F02C 9/40
(73) Hamilton Sundstrand Corporation	(73) KOBELCO CONSTRUCTION	F02C 3/30
(72) DeFelice, Robert	MACHINERY CO., LTD.	(11) EP3841288
SIMPSON, Scott W.	(72) HIROZAWA, Mitsunori	(21) EP19829322.7
KAMP, Josh	KAGOSHIMA, Masayuki	(47) 05.10.2022
(31) 201816054869	(31) 2018056791	(87) NL2019050537
(32) 03.08.2018	(32) 23.03.2018	27.02.2020
(33) United States of America	(33) Japan	(22) 19.08.2019
(51) F01L 3/14	(51) F02B 71/04	(54) FUEL/AIR SUPPLY DEVICE
F01P 3/14	F02B 71/00	(73) Micro Turbine Technology B.V.
(11) EP3870814	F01B 11/00	(72) DE LATER, Marco
(21) EP19812758.1	F02B 63/04	KORNILOV, Victor
(47) 05.10.2022	F01B 7/02	SMEET, Paul
(87) EP2019082687	F02B 25/08	DOUTCHEV, Ilian
03.09.2020	(11) EP2643573	(31) 2021484
(22) 27.11.2019	(21) EP11843714.4	(32) 20.08.2018
(54) INTERNALLY COOLED VALVE HAVING	(47) 05.10.2022	(33) Netherlands
A COOLANT CONDUCTING SYSTEM	(87) US2011061145	(51) F02C 7/22
(73) Federal-Mogul Valvetrain GmbH	31.05.2012	(11) EP3478951
(72) MISTRY, Parth	(22) 17.11.2011	(21) EP17733686.4
KELLERMANN, Stefan	(54) HIGH-EFFICIENCY LINEAR	(47) 05.10.2022
BAYARD, Guido	COMBUSTION ENGINE	(87) US2017037591
GÄRTNER, Jens	(73) Mainspring Energy, Inc.	04.01.2018
(31) 102019104659	(72) SIMPSON, Adam	(22) 15.06.2017
(32) 25.02.2019	MILLER, Shannon	(54) INTEGRAL FLUID CONDUIT
(33) Germany	SVRCEK, Matt	(73) General Electric Company
(51) F01M 1/10	(31) 201113102916	(72) GROVER, Varun
F01M 11/03	201113298206	WOLFE, Jared, Matthew
F16N 39/06	953270	(31) 201641022394
F01D 25/18	953277	(32) 30.06.2016
F02C 7/06	(32) 06.05.2011	(33) India
B01D 65/00	16.11.2011	(51) F02C 9/26
C10M 175/00	23.11.2010	(11) EP3617481
C10M 175/06	23.11.2010	(21) EP19174687.4
C10N 30/04	(33) United States of America	(47) 05.10.2022
C10N 40/02	United States of America	(22) 15.05.2019
C10N 40/12	United States of America	(54) MONITORING OF SERVO VALVE
C10N 40/30	United States of America	FILTER ELEMENTS
F02C 6/18	(51) F02C 6/12	(73) Rolls-Royce Deutschland Ltd & Co KG
B01D 61/14	(11) EP3795810	(72) MIKAT, Dr. Heiko
B01D 65/02	(21) EP20189545.5	(31) 102018214923
B01D 71/02	(47) 05.10.2022	(32) 03.09.2018
(11) EP3563045	(22) 05.08.2020	(33) Germany
(21) EP17889144.6	(54) TURBOCHARGER TURBINE WHEEL	(51) F02K 1/60
(47) 05.10.2022	(73) Garrett Transportation I Inc.	

F02K 1/70	(87) DK2016050174	(51) F03D 13/20
(11) EP3591204	15.12.2016	(11) EP3364024
(21) EP19183367.2	(22) 09.06.2016	(21) EP16856979.6
(47) 05.10.2022	(54) RAMPING POWER IN A WIND	(47) 05.10.2022
(22) 28.06.2019	TURBINE DEPENDENT ON AN	(87) ES2016070749
(54) THRUST REVERSER WITH	ESTIMATED AVAILABLE WIND POWER	27.04.2017
DISPLACEABLE TRAILING EDGE	(73) Vestas Wind Systems A/S	(22) 24.10.2016
BODY	(72) KJÆR, Martin Ansbjerg	(54) MULTI-PLATFORM WIND TURBINE
(73) Rohr, Inc.	THOMSEN, Jesper Sandberg	TOWER
(72) GORMLEY, Timothy	KRISTOFFERSEN, Jacob Krogh	(73) Dreiventum, S.L.U.
(31) 201816025431	GRUNNET, Jacob Deleuran	(72) LLEYDA DIONIS, Jose Luis
(32) 02.07.2018	(31) 201570363	JIMENO ALONSO, Jorge Enrique
(33) United States of America	(32) 11.06.2015	(31) 201531514
(51) F03C 1/047	(33) Denmark	(32) 22.10.2015
B60K 7/00	(51) F03D 7/02	(33) Spain
(11) EP3870833	(11) EP3728838	(51) F03D 13/20
(21) EP19809134.0	(21) EP18818981.5	E04H 12/08
(47) 05.10.2022	(47) 05.10.2022	F03D 13/10
(87) FR2019052468	(87) DK2018050321	(11) EP3658770
30.04.2020	04.07.2019	(21) EP18743465.9
(22) 17.10.2019	(22) 04.12.2018	(47) 05.10.2022
(54) IMPROVED HYDRAULIC MOTOR FOR	(54) APPLYING WIND TURBINE YAW	(87) EP2018069534
A STEERED WHEEL OF A VEHICLE	MOMENT VIA PITCHING	31.01.2019
(73) Poclairn Hydraulics Industrie	(73) VESTAS WIND SYSTEMS A/S	(22) 18.07.2018
(72) FREY, Adam	(72) YDE, Anders	(54) WIND TURBINE STEEL TOWER RING
VIDAL, Stéphane	NETO, Julio Xavier Vianna	SEGMENT AND METHOD
WEBER, Nicolas	SØRENSEN, Kim Hylling	(73) Wobben Properties GmbH
MICHON, Sylvain	(31) PA201770965	(72) KERSTEN, Roy
SINGH, Jasraj	(32) 20.12.2017	(31) 102017116873
(31) 1859780	(33) Denmark	(32) 26.07.2017
(32) 23.10.2018	(51) F03D 7/02	(33) Germany
(33) France	F03D 7/04	(51) F03D 13/40
(51) F03D 1/06	H02J 3/38	(11) EP3768971
F03D 7/02	H02J 11/00	(21) EP19714540.2
F03D 7/04	(11) EP3732365	(47) 05.10.2022
F03D 80/70	(21) EP19710286.6	(87) DK2019050095
(11) EP3563054	(47) 05.10.2022	26.09.2019
(21) EP17886637.2	(87) EP2019054144	(22) 19.03.2019
(47) 05.10.2022	06.09.2019	(54) METHOD AND APPARATUS FOR
(87) US2017064265	(22) 20.02.2019	STABILIZING STACKED WIND
05.07.2018	(54) METHOD OF STARTING A WIND PARK	TURBINE BLADES
(22) 01.12.2017	(73) Siemens Gamesa Renewable Energy A/	(73) VESTAS WIND SYSTEMS A/S
(54) HUB ASSEMBLY FOR HORIZONTAL	S	(72) KOFMAN, Joris
AXIS, FLUID-DRIVEN TURBINE	(72) BROGAN, Paul Brian	KASTRUP, Michael
ENABLING TEETERING	GOLDENBAUM, Nikolaus	(31) 201804666
(73) Ramslund, Arnold	KNÜPPEL, Thyge	(32) 23.03.2018
(72) Ramslund, Arnold	(31) 18159166	(33) United Kingdom
(31) 201615395497	(32) 28.02.2018	(51) F03D 17/00
(32) 30.12.2016	(33) European Patent Office (EPO)	F03D 7/04
(33) United States of America	(51) F03D 7/02	(11) EP3874166
(51) F03D 7/02	F03D 17/00	(21) EP20757916.0
(11) EP2754890	(11) EP3904671	(47) 05.10.2022
(21) EP14150910.9	(21) EP21170028.1	(87) EP2020073542
(47) 05.10.2022	(47) 05.10.2022	04.03.2021
(22) 13.01.2014	(22) 23.04.2021	(22) 21.08.2020
(54) Method and Apparatus for Controlling an	(54) CONDITION MONITORING DEVICE	(54) DETECTION OF HEAVY RAIN OR HAIL
Operational Parameter of a Wind Turbine	AND CONDITION MONITORING	ON A BLADE OF WIND TURBINE
(73) General Electric Company	METHOD FOR WIND TURBINE POWER	(73) Ventus Engineering GmbH
(72) Kooijman, Henk-Jan	GENERATING APPARATUS	(72) LÜBKER, Poul Anker Skaarup
Sundermann, Bastian	(73) MITSUBISHI HEAVY INDUSTRIES, LTD.	MINGALIEV, Shavkat
Kalter, Margaret	(72) BABA, Mitsuya	BEYREM, Khalifaoui
(31) 201313740730	MORISHITA, Yasushi	IQBAL, Hassan
(32) 14.01.2013	SUGIURA, Minoru	TENCALIEC, Patricia
(33) United States of America	TSUYUKI, Kazuhiro	TOLRON, Xavier
(51) F03D 7/02	SAKATA, Hideru	(31) 19193364
(11) EP3308016	(31) 2020079138	(32) 23.08.2019
(21) EP16731786.6	(32) 28.04.2020	(33) European Patent Office (EPO)
(47) 05.10.2022	(33) Japan	(51) F04B 15/02

(11) EP3613983	(51) F04C 19/00	(22) 16.02.2018
(21) EP19192650.0	F01C 21/08	(54) CONTROL DEVICE FOR HYDRAULIC
(47) 05.10.2022	F04C 29/12	MACHINE
(22) 20.08.2019	(11) EP3676496	(73) Yanmar Power Technology Co., Ltd.
(54) PISTON PUMP FOR VISCOUS	(21) EP18772737.5	(72) SHIROUZU, Takayuki
MATERIAL WITH WATER TANK	(47) 05.10.2022	MATSUYAMA, Hiroshi
(73) Schwing GmbH	(87) EP2018073206	(31) 2017028468
(72) KARRIE, Jörg-Peter	07.03.2019	(32) 17.02.2017
BESPALOV, Artem	(22) 29.08.2018	(33) Japan
(31) 102018120582	(54) LIQUID RING PUMP	<hr/>
(32) 23.08.2018	(73) HYDROGENIOUS LOHC	(51) F15B 11/18
(33) Germany	TECHNOLOGIES GMBH	F15B 11/12
(51) F04B 27/18	(72) HERRMANN, Bernhard	F16H 27/02
F04B 49/06	SCHLÜCKER, Eberhard	A61B 90/11
(11) EP3702617	(31) 102017215080	A61B 10/02
(21) EP19159899.4	(32) 29.08.2017	A61B 17/00
(47) 05.10.2022	(33) Germany	F16H 55/26
(22) 28.02.2019	(51) F04D 13/02	(11) EP3504445
(54) VARIABLE DISPLACEMENT	F04D 13/06	(21) EP17768877.7
RECIPROCATING PISTON UNIT	F04D 29/046	(47) 05.10.2022
GENERATING PISTON STROKE	F04D 29/047	(87) NL2017050552
SPEED AND PISTON STROKE	F04B 53/00	01.03.2018
LENGTH SIGNAL	F04D 29/06	(22) 23.08.2017
(73) Hanon Systems	F16C 17/04	(54) PNEUMATIC STEPPER MOTOR AND
TE Connectivity Germany GmbH	F16C 17/10	DEVICE COMPRISING AT LEAST ONE
(72) ZAWADZKY, Peter Kurt	F16C 33/10	SUCH PNEUMATIC STEPPER MOTOR
SCHERNER, Simon	F16J 15/34	(73) Universiteit Twente
DOMKE, Daniel	(11) EP3239543	(72) GROENHUIS, Vincent
KWAK, Jung Myung	(21) EP15873103.4	SIEPEL, Francoise Jeanette
KIM, Yong Hee	(47) 05.10.2022	STRAMIGIOLI, Stefano
(51) F04B 39/00	(87) JP2015085884	(31) 201762522734 P
F04B 27/00	30.06.2016	201662378261 P
F04B 27/04	(22) 22.12.2015	(32) 21.06.2017
F04B 27/053	(54) PLAIN BEARING AND PUMP	23.08.2016
F04B 35/01	(73) Eagle Industry Co., Ltd.	(33) United States of America
F16C 7/02	(72) YAMAMOTO Shinya	United States of America
(11) EP3751138	YASU Satoshi	<hr/>
(21) EP19751339.3	HOSOE Takeshi	(51) F15B 13/043
(47) 05.10.2022	TOKUNAGA Yuichiro	F16K 11/07
(87) CN2019000008	CHIBA Keiichi	F16K 31/122
15.08.2019	(31) 2014259066	F16K 31/40
(22) 14.01.2019	(32) 22.12.2014	(11) EP3775577
(54) COMPRESSOR HAVING CURVED	(33) Japan	(21) EP19715037.8
CONNECTING RODS	(51) F04D 25/06	(47) 05.10.2022
(73) Tan, Yu	F04D 29/051	(87) EP2019057793
Tan, Shiyuan	F04D 29/054	03.10.2019
(72) Tan, Yu	(11) EP3121449	(22) 27.03.2019
Tan, Shiyuan	(21) EP15306191.6	(54) FLUID VALVE
(31) 201810151909	(47) 05.10.2022	(73) Safran Aero Boosters SA
(32) 06.02.2018	(22) 22.07.2015	(72) MAGETTE, Arnaud
(33) China	(54) SUBSEA CENTRIFUGAL	VANDENBROUCKE, Maxime
(51) F04C 18/02	COMPRESSOR WITH HORIZONTAL	FRIPPIAT, Cédric
F04C 28/22	SHAFT AND WITH ONLY ONE AXIAL	BOMAL, Jean-Christian
(11) EP3625459	THRUST BEARING	(31) 201805206
(21) EP18850684.4	(73) Thermodyn	(32) 28.03.2018
(47) 05.10.2022	(72) CAMATTI, Massimo	(33) Belgium
(87) KR2018008885	LABOUBE, Pierre	<hr/>
07.03.2019	ESPOSITO, Roberto	(51) F16B 5/02
(22) 06.08.2018	(51) F15B 11/00	F16B 5/00
(54) SCROLL COMPRESSOR	E02F 9/22	F16B 12/20
(73) Samsung Electronics Co., Ltd.	F15B 11/02	F16B 13/04
(72) KIM, Eun-suk	F15B 11/042	F16B 12/14
KIM, Byung-gu	F15B 11/16	(11) EP3867537
KIM, Do-hyun	(11) EP3584449	(21) EP19801102.5
KIM, Yang-sun	(21) EP18754031.5	(47) 05.10.2022
(31) 20170111657	(47) 05.10.2022	(87) IB2019058765
(32) 01.09.2017	(87) JP2018005576	23.04.2020
(33) Korea (Republic)	23.08.2018	(22) 15.10.2019
		(54) CONCEALABLE INSERT FOR
		CONNECTING TOGETHER FLAT
		ELEMENTS AND THE LIKE

(73) F.LLI MAURI S.p.A.	F16D 3/33	(47) 05.10.2022
(72) CERUTTI, Enrico	F16D 3/38	(87) CN2019095796
(31) 201800009618	(11) EP3786472	16.01.2020
(32) 19.10.2018	(21) EP19382735.9	(22) 12.07.2019
(33) Italy	(47) 05.10.2022	(54) FLOATING TYPE BRAKE PAD
(51) F16C 17/03	(22) 30.08.2019	(73) Beijing Tianrendaohe New Material Co., Ltd.
F16C 25/02	(54) CARDAN JOINT CONNECTED TO A DRIVE SHAFT	(72) WU, Peifang
F03D 80/70	(73) Maquinaria Agricola y Accesorios, S.L.	SHIJIA, Cairang
F16C 32/06	(72) URBON PALACIOS, Luis	HU, Chen
F16C 17/06	(51) F16D 31/00	CAO, Jingwu
(11) EP3844409	G05D 11/03	LONG, Bo
(21) EP19750106.7	E21B 33/00	(31) 201810776657
(47) 05.10.2022	(11) EP3650724	(32) 13.07.2018
(87) EP2019070786	(21) EP19201926.3	(33) China
05.03.2020	(47) 05.10.2022	(51) F16D 66/02
(22) 01.08.2019	(22) 02.08.2006	(11) EP3121477
(54) BEARING ARRANGEMENT AND ADJUSTING SCREW TO ADJUST THE BEARING GAP	(54) MODULAR BACKUP FLUID SUPPLY SYSTEM	(21) EP15177728.1
(73) RENK GmbH	(73) Transocean Offshore Deepwater Drilling Inc.	(47) 05.10.2022
(72) ROHRMANN, Thorsten	(72) O'Leary, Steve	(22) 21.07.2015
WINTER, Lutz	Thrash, Tom	(54) A DISC BRAKE ASSEMBLY
DECKER, Peter	Donohue, Angela	(73) Meritor Heavy Vehicle Braking Systems (UK) Limited
(31) 102018120808	DONOHUE, Steve	(72) Morris, Mathew
(32) 27.08.2018	(31) 705538 P	Pavaman, Vadiraj
(33) Germany	(32) 02.08.2005	Breakwell, Normal
(51) F16C 17/04	(33) United States of America	Kulkami, Sanjeev
F01D 3/04	(51) F16D 48/04	Cleary, Sean
(11) EP3916255	F16D 25/08	(51) F16D 66/02
(21) EP20176509.6	(11) EP3744994	F16D 66/00
(47) 05.10.2022	(21) EP19177381.1	(11) EP3948007
(22) 26.05.2020	(47) 05.10.2022	(21) EP20723200.0
(54) MULTI-STAGE AXIAL BEARINGS FOR TURBINES	(22) 29.05.2019	(47) 05.10.2022
(73) Siemens Energy Global GmbH & Co. KG	(54) CLUTCH SERVO ASSEMBLY, CLUTCH ACTUATION SYSTEM AND A MOTOR VEHICLE	(87) IB2020053213
(72) Vrbka, David	(73) ZF CV Systems Europe BV	08.10.2020
(51) F16C 32/04	(72) Holubecki, Daniel	(22) 03.04.2020
(11) EP3825563	Kowalski, Przemyslaw	(54) UNIT FOR DETECTING WEAR AND TEMPERATURE OF A BRAKING MEMBER OF A VEHICLE
(21) EP20208467.9	(51) F16D 55/2265	(73) I.C.P. S.r.l.
(47) 05.10.2022	(11) EP3779224	(72) RAZZANO, Tancredi
(22) 18.11.2020	(21) EP19192145.1	(31) 201900005202
(54) MAGNETIC BEARING	(47) 05.10.2022	(32) 05.04.2019
(73) TSL S.r.l.	(22) 16.08.2019	(33) Italy
(72) Ferrigato, Mauro	(54) A MOUNTING FOR A GUIDE PIN OF A DISC BRAKE	(51) F16D 67/02
(31) 201900021738	(73) Meritor Heavy Vehicle Braking Systems (UK) Limited	A01D 34/68
(32) 20.11.2019	(72) Thomas, Paul	F16D 13/38
(33) Italy	(51) F16D 55/36	F16D 13/04
(51) F16C 33/10	(11) EP3805588	(11) EP3425233
(11) EP3821148	(21) EP19213779.2	(21) EP16892179.9
(21) EP19755267.2	(47) 05.10.2022	(47) 05.10.2022
(47) 05.10.2022	(22) 05.12.2019	(87) CN2016079948
(87) AT2019060224	(54) HEAT SHIELD GROMMET	08.09.2017
16.01.2020	(73) Goodrich Corporation	(22) 22.04.2016
(22) 05.07.2019	(72) HOGLUND, Ty Austin	(54) CLUTCH-BRAKE APPARATUS
(54) SLIDING BEARING ELEMENT	HOWARD, Paul J.	(73) Yangzhou Weibang Garden Machine Company Limited
(73) Miba Gleitlager Austria GmbH	(31) 201916597693	(72) XIE, Chungan
(72) FUCHS, Josef	(32) 09.10.2019	(31) 201610115710
HÄDICKE, Lukas	(33) United States of America	(32) 02.03.2016
HARREITHER, Leopold	(51) F16D 65/02	(33) China
HUMER, Johannes	F16D 69/04	(51) F16F 9/04
LAHNER, Daniel	F16D 65/092	B29D 22/02
RUMPELMAYR, Martin	(11) EP3822506	C08K 3/26
(31) 505912018	(21) EP19833084.7	C08K 3/34
(32) 10.07.2018		(11) EP3500770
(33) Austria		(21) EP17728878.4
(51) F16D 3/18		(47) 05.10.2022
F16D 3/32		

(87) EP2017064269 22.02.2018	(33) United States of America United States of America	OF CONTROLLING GEAR SHIFT OPERATION DEVICE
(22) 12.06.2017	(51) F16H 15/38	(73) MAZDA MOTOR CORPORATION
(54) ARTICLE, PARTICULARLY AN AIR SPRING BELLOWS, A METAL-RUBBER ELEMENT, OR A VIBRATION DAMPER	(11) EP3702643 (21) EP18869501.9 (47) 05.10.2022	(72) OYAMA, Hajime SASAKI, Kenji KUBO, Junichi NISHI, Hideyuki KUBO, Kenta SHINYA, Yasuhiko HASEGAWA, Takashi YOSHIKAWA, Shigeo
(73) ContiTech Lufffedersysteme GmbH	(87) JP2018038861 02.05.2019	(31) 2019186710
(72) LINDENBERG, Mark ZANDER, Christoph LEETHAUS, Thorsten PASSON-WESSELOH, Barbara HAAKE, Anne	(22) 18.10.2018 (54) TOROIDAL CONTINUOUSLY VARIABLE TRANSMISSION	(32) 10.10.2019 (33) Japan
(31) 102016215333	(73) Kawasaki Jukogyo Kabushiki Kaisha	(51) F16J 15/34
(32) 17.08.2016	(72) IMAI, Hideyuki	F16J 15/40
(33) Germany	MAEHATA, Keigo TANAKA, Kenichiro KOMATSU, Kenji	G21C 15/24 F04D 29/12
(51) F16F 15/04 F16F 7/10	(31) 2017208510	(11) EP3545219
(11) EP3106710	(32) 27.10.2017	(21) EP16922225.4
(21) EP15177373.6	(33) Japan	(47) 05.10.2022
(47) 05.10.2022	(51) F16H 15/38	(87) US2016063900
(22) 17.07.2015	F16H 57/04	31.05.2018
(54) VIBRATION ABSORBER DEVICE	(11) EP3702644	(22) 29.11.2016
(73) Airbus Defence and Space GmbH AIRBUS HELICOPTERS DEUTSCHLAND GmbH	(21) EP18870658.4 (47) 05.10.2022	(54) HYDROSTATIC MECHANICAL FACE SEAL
(72) Storm, Stefan Maier, Rudolf Priems, Martijn	(87) JP2018038858 02.05.2019	(73) Westinghouse Electric Company Llc
(31) 15172061	(22) 18.10.2018	(72) LAPRESTI, Michael A.
(32) 15.06.2015	(54) TOROIDAL CONTINUOUSLY VARIABLE TRANSMISSION	MILAN, Arnaud HOWARD, Bruce A. SKOCIK, Michael P.
(33) European Patent Office (EPO)	(73) Kawasaki Jukogyo Kabushiki Kaisha	(31) 201615361755
(51) F16G 11/12	(72) IMAI, Hideyuki	(32) 28.11.2016
B25H 3/00	MAEHATA, Keigo TANAKA, Kenichiro KOMATSU, Kenji	(33) United States of America
(11) EP3500774	(31) 2017208509	(51) F16J 15/44
(21) EP17844234.9	(32) 27.10.2017	F01D 11/00 F01D 11/02
(47) 05.10.2022	(33) Japan	(11) EP3677816
(87) US2017047887 01.03.2018	(51) F16H 57/04	(21) EP19219629.3
(22) 22.08.2017	B64C 27/12	(47) 05.10.2022
(54) LANYARD FOR A TOOL	F16N 29/02	(22) 24.12.2019
(73) Milwaukee Electric Tool Corporation	F01D 25/20	(54) ARTICULATING CANTILEVERED HYDROSTATIC SEAL
(72) WAGNER, Andrew, G. ROSE, Derek GRAYKOWSKI, Anthony, S. MARCELLE, Jesse BECK, Travis, J.	F01M 11/00 F01M 11/06 B64D 35/00	(73) Raytheon Technologies Corporation
(31) 201762445849 P	(11) EP3730816	(72) HILBERT, Brian F. GYSLING, Daniel L. GROVER, Eric A.
201662377899 P	(21) EP20171248.6	(31) 201916239231
(32) 13.01.2017	(47) 05.10.2022	(32) 03.01.2019
22.08.2016	(22) 24.04.2020	(33) United States of America
(33) United States of America United States of America	(54) LOW PROFILE AUXILIARY LUBRICATION SYSTEM	(51) F16K 31/06
(51) F16H 1/28	(73) Lockheed Martin Corporation	F16K 31/40
F16H 57/04	(72) SBABO, Thomas L. BALDYGA, John J.	(11) EP3904740
F16H 57/08	(31) 201916394540	(21) EP21164370.5
(11) EP3869064	(32) 25.04.2019	(47) 05.10.2022
(21) EP21164422.4	(33) United States of America	(22) 23.03.2021
(47) 05.10.2022	(51) F16H 59/02	(54) LOW PROFILE SOLENOID VALVE
(22) 24.05.2019	F16H 59/10	(73) AEREA S.p.A.
(54) PLANETARY GEARBOX HAVING COMPLIANT JOURNAL BEARINGS	F16H 61/24	(72) PERNECHELE, Luca Andrea
(73) Pratt & Whitney Canada Corp.	(11) EP3805614	(31) 202000009277
(72) SAVARIA, Vincent DESJARDINS, Michel	(21) EP20200041.0	(32) 28.04.2020
(31) 201816196447	(47) 05.10.2022	(33) Italy
201862676614 P	(22) 05.10.2020	(51) F16K 31/08
(32) 20.11.2018	(54) GEAR SHIFT OPERATION DEVICE FOR VEHICLE, AUTOMATIC TRANSMISSION AND METHOD	F16K 1/36 F16K 1/44 F16K 31/06
25.05.2018		(11) EP3794259 (21) EP19723833.0

(47) 05.10.2022	RITZINGER, Florian	(21) EP20183630.1
(87) EP2019062894	HARTL, Maximilian	(47) 05.10.2022
21.11.2019	(31) 102018121012	(22) 02.07.2020
(22) 17.05.2019	(32) 28.08.2018	(54) HIGH-VOLTAGE LAMP STRING AND SYSTEM
(54) VALVE ASSEMBLY	(33) Germany	(73) Shangyou Jiayi Lighting Product Co., Ltd.
(73) FAS MEDIC S.A.	(51) F17C 13/08	(72) HE, Yaowen
(72) DEPERRAZ, Nicolas	(11) EP3344909	(31) 201921022655 U
TANARI, Vincent	(21) EP16757702.2	(32) 02.07.2019
LABORY, Pauline	(47) 05.10.2022	(33) China
MATTHEY, Sébastien	(87) FR2016052004	(51) F21S 41/19
PERNETTE, Eric	09.03.2017	F21S 41/39
(31) 18173331	(22) 02.08.2016	(11) EP2570716
(32) 18.05.2018	(54) STORAGE BOX FOR BOTTLES	(21) EP12183948.4
(33) European Patent Office (EPO)	OF PRESSURIZED FLUID AND ASSOCIATED STORAGE FRAME	(47) 05.10.2022
(51) F16L 5/02	(73) L'AIR LIQUIDE, Société Anonyme pour l'Etude et l'Exploitation des Procédés	(22) 11.09.2012
(11) EP3620702	Georges Claude	(54) VORRICHTUNG ZUR BELEUCHTUNG UND/ODER SIGNALISIERUNG FÜR KRAFTFAHRZEUG
(21) EP19191604.8	Air Liquide Oil and Gas Services Limited	(73) VALEO VISION
(47) 05.10.2022	(72) BAUNE, Emmanuel	(72) Blandin, Jonathan
(22) 13.08.2019	ARNAUD, Guillaume	Meyrenaud, Jean-Luc
(54) PIPE SUPPORT	BURGIN, Paul	Mornet, Eric
(73) Airbus Operations Limited	ROBERTSON, Steve	De Lamberterie, Antoine
(72) QUAYLE, Stuart	ASKNES, Nils	(31) 1158110
BONTE, Eric	BLAKEMAN, Tom	(32) 13.09.2011
BRYANT, Anthony	(31) 1558242	(33) France
PEACHEY, Daniel	(32) 04.09.2015	(51) F21S 41/24
(31) 201814439	(33) France	F21S 41/255
(32) 05.09.2018	(51) F17D 5/00	F21S 41/275
(33) United Kingdom	(11) EP3891432	F21S 41/27
(51) F16L 37/098	(21) EP19832189.5	F21S 41/32
(11) EP3149384	(47) 05.10.2022	F21S 41/26
(21) EP15741903.7	(87) IB2019060164	(11) EP3486550
(47) 05.10.2022	11.06.2020	(21) EP17827192.0
(87) EP2015057243	(22) 26.11.2019	(47) 05.10.2022
03.12.2015	(54) GAS NETWORK AND METHOD FOR DETECTING OBSTRUCTIONS IN A GAS NETWORK UNDER PRESSURE OR UNDER VACUUM	(87) JP2017014057
(22) 01.04.2015	(73) ATLAS COPCO AIRPOWER, naamloze vennootschap	18.01.2018
(54) PLUG-IN CONNECTOR FOR FLUID LINES WITH INNER ADAPTER SLEEVE	(72) GEUENS, Philippe	(22) 04.04.2017
(73) Voss Automotive GmbH	LOUARROUDI, Ebrahim	(54) VEHICULAR HEADLAMP
(72) KLEIN, Roland	(31) 201805860	(73) Panasonic Intellectual Property Management Co., Ltd.
HEINRICH, Eugen	(32) 07.12.2018	(72) MATSUDA Takashi
(31) 102014107655	(33) Belgium	KASANO Masahiro
(32) 30.05.2014	(51) F21K 9/00	(31) 2016139849
(33) Germany	F21V 29/502	(32) 15.07.2016
(51) F16M 13/02	F21K 9/64	(33) Japan
(11) EP3885632	F21V 17/12	(51) F21V 5/00
(21) EP21382244.8	F21Y 115/10	F21V 11/14
(47) 05.10.2022	(11) EP2994696	G02B 30/27
(22) 25.03.2021	(21) EP14718971.6	F21W 121/00
(54) DEVICE FOR CLAMPING ELECTRONIC ELEMENTS ON INSTALLATION MASTS	(47) 05.10.2022	F21Y 115/10
(73) ITS Partner Outsourcing Business Solutions, S.L	(87) EP2014058030	F21Y 105/10
(72) LAVADO GARCIA, Luciano	30.10.2014	(11) EP3921574
(31) 202030553	(22) 21.04.2014	(21) EP20702160.1
(32) 27.03.2020	(54) A LIGHT EMITTING DIODE MODULE	(47) 05.10.2022
(33) Spain	(73) Signify Holding B.V.	(87) EP2020052736
(51) F17C 1/06	(72) CREUSEN, Martinus, Petrus	13.08.2020
(11) EP3844433	DE GRAAF, Jan	(22) 04.02.2020
(21) EP19758971.6	(31) 13165373	(54) A LIGHTING DEVICE
(47) 05.10.2022	(32) 25.04.2013	(73) Signify Holding B.V.
(87) EP2019072664	(33) European Patent Office (EPO)	(72) CORNELISSEN, Hugo, Johan
05.03.2020	(51) F21S 4/10	VDOVIN, Olexandr, Valentynovych
(22) 26.08.2019	F21V 31/00	HAENEN, Ludovicus, Johannes, Lambertus
(54) METHOD FOR PRODUCING A COMPRESSED-GAS CONTAINER	F21Y 115/10	SWEEGERS, Norbertus, Antonius, Maria
(73) Alzchem Trostberg GmbH	(11) EP3760913	DE SAMBER, Marc, Andre
(72) ZGELA, Dominik		VAN GHELUWE, Jochen, Renaat
DIJKINK, Peter		



(31) 19156124	(33) Germany	(51) F24F 1/56
(32) 08.02.2019	(51) F21V 21/30	(11) EP3748242
(33) European Patent Office (EPO)	F21V 31/00	(21) EP18903766.6
(51) F21V 8/00	F21V 27/02	(47) 05.10.2022
(11) EP2594972	(11) EP3862629	(87) JP2018002815
(21) EP12007702.9	(21) EP21154487.9	08.08.2019
(47) 05.10.2022	(47) 05.10.2022	(22) 30.01.2018
(22) 14.11.2012	(22) 01.02.2021	(54) OUTDOOR UNIT FOR AIR
(54) Backlight unit and display apparatus thereof	(54) LAMP	CONDITIONER
(73) LG Electronics Inc.	(73) Zumtobel Lighting GmbH	(73) Mitsubishi Electric Corporation
(72) Kwon, Soonhyung	(72) MOOSBRUGGER, Brian	(72) HATA, Yuya
Kim, Sungwoo	(31) 202020100689 U	(51) F24F 7/08
Han, Jongho	(32) 10.02.2020	F24F 11/81
(31) 20110119563	(33) Germany	(11) EP3370003
(32) 16.11.2011	(51) F22B 11/02	(21) EP15907267.7
(33) Korea (Republic)	F24H 1/28	(47) 05.10.2022
(51) F21V 8/00	(11) EP3249293	(87) JP2015080500
(11) EP3987224	(21) EP16740335.1	04.05.2017
(21) EP20732930.1	(47) 05.10.2022	(22) 29.10.2015
(47) 05.10.2022	(87) KR2016000169	(54) HEAT EXCHANGE VENTILATION
(87) EP2020066855	28.07.2016	DEVICE
24.12.2020	(22) 08.01.2016	(73) Mitsubishi Electric Corporation
(22) 18.06.2020	(54) HOT WATER BOILER	(72) SHIOMI, Shinsuke
(54) HLD MODULE WITH IMPROVED COOLING OF A LUMINESCENT BODY	(73) Kim, Junggon	(51) F24H 7/04
(73) Signify Holding B.V.	(72) Kim, Junggon	F28D 20/00
(72) YU, Jiang Hong	(31) 20150009658	(11) EP3647677
BRULS, Dominique Maria	(32) 21.01.2015	(21) EP18203053.6
(31) 19181701	(33) Korea (Republic)	(47) 05.10.2022
(32) 21.06.2019	(51) F23D 14/06	(22) 29.10.2018
(33) European Patent Office (EPO)	(11) EP3809041	(54) ENERGY STORAGE DEVICE FOR THE
(51) F21V 8/00	(21) EP20202395.8	STORAGE OF ELECTRICAL ENERGY
F21S 8/00	(47) 05.10.2022	USED AS HEAT AND METHOD
B60Q 3/225	(22) 16.10.2020	THEREFOR
B60Q 3/64	(54) GAS COOKTOP BURNER ASSEMBLY	(73) Lumenion GmbH
(11) EP3436741	(73) Whirlpool Corporation	(72) ZWINKELS, Andrew
(21) EP17709149.3	(72) Duffy, Patrick J.	(51) F24H 9/12
(47) 05.10.2022	Manrique, Victor H.	F24H 1/24
(87) FR2017050325	Johnson, Ken E.	(11) EP3361181
05.10.2017	(31) 201916656767	(21) EP18155921.2
(22) 13.02.2017	(32) 18.10.2019	(47) 05.10.2022
(54) LIGHTING DEVICE COMPRISING A HOUSING PROVIDED WITH A SOCKET TO ACCEPT A CYLINDRICAL PORTION OF A LIGHT GUIDE	(33) United States of America	(22) 09.02.2018
(73) PSA Automobiles SA	(51) F24C 7/04	(54) BOILER
(72) SCHNURIGER, Damien	F24C 15/16	(73) Viessmann Climate Solutions SE
NORAIS, Marc	F24C 15/00	(72) Pesendorfer, Thomas
(31) 1652664	H05B 6/64	(31) 102017102822
(32) 29.03.2016	H05B 6/80	(32) 13.02.2017
(33) France	H04N 7/18	(33) Germany
(51) F21V 21/30	(11) EP3494760	(51) F24S 25/13
F21S 2/00	(21) EP17837561.4	F24S 25/16
F21V 29/75	(47) 05.10.2022	F24S 25/65
(11) EP3837471	(87) US2017044952	(11) EP3803228
(21) EP19801195.9	08.02.2018	(21) EP19729724.5
(47) 05.10.2022	(22) 01.08.2017	(47) 05.10.2022
(87) DE2019200099	(54) COOKING INSTRUMENT WITH VARIABLE PEAK WAVELENGTH AND SUPPORT TRAY	(87) EP2019064798
20.02.2020	(73) Brava Home, Inc.	12.12.2019
(22) 15.08.2019	(72) CHENG, Shih-Yu	(22) 06.06.2019
(54) LUMINAIRE FOR WORK EVENTS, FILM EVENTS OR SPORTS EVENTS	JANOFF, Mark	(54) ASSEMBLY SYSTEM FOR ASSEMBLING PHOTOVOLTAIC MODULES ON ROOFS, COMPRISING ASSEMBLY SYSTEM COMPONENTS WHICH ARE CONNECTED BY LATCHING CONNECTIONS
(73) Nölle, Jürgen	METZLER, Richard	(73) Premium Mounting Technologies GmbH & Co. KG
(72) Nölle, Jürgen	YUE, Dan	(72) GRASS, Peter
(31) 102018006506	(31) 201715490768	(31) 202018103244 U
(32) 17.08.2018	201662370076 P	(32) 08.06.2018
	(32) 18.04.2017	
	02.08.2016	
	(33) United States of America	
	United States of America	

(33) Germany	(54) HEAT PUMP APPARATUS	(54) APPARATUS FOR COOLING OR FREEZING
(51) F24S 25/61	(73) Panasonic Intellectual Property Management Co., Ltd.	(73) Linde GmbH
E04D 1/30	(72) SHIGETA, Akihiro	(72) BOYLES, Scott
E04D 13/147	MATSUI, Masaru	(31) 201615237020
H02S 20/23	IITAKA, Seishi	(32) 15.08.2016
F24S 25/615	(31) 2016042968	(33) United States of America
F24S 25/613	(32) 07.03.2016	(51) F25D 23/06
(11) EP3896361	(33) Japan	F25D 23/02
(21) EP21168308.1	(51) F25B 9/00	B23K 26/21
(47) 05.10.2022	F03G 7/00	B29C 35/16
(22) 14.04.2021	(11) EP3470753	(11) EP3660430
(54) METHOD FOR INSTALLING A DEVICE FOR ATTACHING AN OVER-ROOF PHOTOVOLTAIC PANEL AND ATTACHMENT DEVICE FOR OVER-ROOF INSTALLATION OF A PANEL	(21) EP17810053.3	(21) EP20153039.1
(73) Cetih Carquefou	(47) 05.10.2022	(47) 05.10.2022
(72) HUMBLLOT, Rémi	(87) JP2017018126	(22) 02.08.2016
LORET, Julien	14.12.2017	(54) REFRIGERATOR AND APPARATUS FOR FABRICATING THE SAME
(31) 2003737	(22) 14.05.2017	(73) LG Electronics Inc.
(32) 14.04.2020	(54) THERMOACOUSTIC ENGINE, AND METHOD FOR DESIGNING THERMOACOUSTIC ENGINE	UNIST (Ulsan National Institute of Science and Technology)
(33) France	(73) Central Motor Wheel Co., Ltd.	(72) JUNG, Wonyeong
(51) F25B 1/00	(72) FUKAYA Noriyuki	YOUN, Deokhyun
F25B 39/04	ITO Takeshi	LEE, Jangseok
F25B 43/00	(31) 2016114913	KI, Hyungson
F28F 19/00	(32) 09.06.2016	(31) 20150151204
F28D 9/00	(33) Japan	20150151256
B01D 29/11	(51) F25B 39/04	(32) 29.10.2015
B60H 1/00	B60H 1/00	29.10.2015
F28F 19/01	F25B 43/00	(33) Korea (Republic)
B01D 35/18	F28F 19/01	Korea (Republic)
(11) EP3667199	F28B 1/06	(51) F25D 31/00
(21) EP18461640.7	B01D 35/02	(11) EP3511663
(47) 05.10.2022	F28D 21/00	(21) EP19150921.5
(22) 10.12.2018	F28F 9/02	(47) 05.10.2022
(54) HEAT EXCHANGER WITH FILTER, FOR REFRIGERANT FLUID LOOP	(11) EP3671069	(22) 09.01.2019
(73) Valeo Autosystemy SP. Z.O.O.	(21) EP18461651.4	(54) REFRIGERATOR
(72) BELZOWSKI, Michal	(47) 05.10.2022	(73) LG Electronics Inc.
SZOSTEK, Dawid	(22) 19.12.2018	(72) Chung, Myungjin
CICHOSZ, Filip	(54) HEAT EXCHANGER WITH FILTER, FOR REFRIGERANT FLUID LOOP	Kim, Kyungseok
(51) F25B 6/04	(73) Valeo Autosystemy SP. Z.O.O.	Kim, Kyeongyun
F25B 40/02	(72) BELZOWSKI, Michal	Seong, Giseok
F25B 40/04	POKRYWINSKI, Karol	Ahn, Seunguk
(11) EP3332180	CICHOSZ, Filip	(31) 20180003516
(21) EP16770357.8	SZOSTEK, Dawid	(32) 10.01.2018
(47) 05.10.2022	(51) F25B 45/00	(33) Korea (Republic)
(87) IB2016054740	(11) EP3767203	(51) F27B 9/04
16.02.2017	(21) EP20194639.9	F27B 9/06
(22) 05.08.2016	(47) 05.10.2022	F27B 9/26
(54) PERFECTED PORTABLE AIR CONDITIONER	(22) 29.05.2013	F27B 9/30
(73) De' Longhi Appliances S.r.l. Con Unico Socio	(54) APPARATUS AND METHOD FOR RECOVERING AND REGENERATING A REFRIGERANT FROM AN A/C PLANT	F27D 3/12
(72) DE' LONGHI, Giuseppe	(73) Snap-On Climate Solutions S.R.L.	F27D 11/02
CALLEGARO, Ivano	(72) SANHAJI, Rahhali	(11) EP3978854
VIT, Stefano	(31) PI20120067	(21) EP20199362.3
(31) UB20152893	PI20120066	(47) 05.10.2022
(32) 07.08.2015	(32) 31.05.2012	(22) 30.09.2020
(33) Italy	30.05.2012	(54) TUNNEL FURNACE FOR HEAT TREATMENT OF PRODUCTS, A METHOD FOR OPERATING SUCH A TUNNEL FURNACE AND THE USE OF SUCH A TUNNEL FURNACE
(51) F25B 7/00	(33) Italy	(73) RIEDHAMMER GMBH
F25B 13/00	(51) F25D 3/11	(72) Hajduk, Andreas
F25B 9/00	F25D 13/06	Gundel, Rainer
(11) EP3217118	F25D 21/06	Overhoff, Andreas
(21) EP16186105.9	(11) EP3285031	Uhl, Matthias
(47) 05.10.2022	(21) EP16196776.5	(51) F28D 1/053
(22) 29.08.2016	(47) 05.10.2022	F28F 9/02
	(22) 01.11.2016	(11) EP2960609

(21) EP14461546.5	(87) US2013036324	(54) ALIGNMENT ASSEMBLY AND METHOD
(47) 05.10.2022	17.10.2013	FOR MULTI-SPECTRAL OPTICAL
(22) 26.06.2014	(22) 12.04.2013	SYSTEMS
(54) MANIFOLD, IN PARTICULAR FOR USE	(54) ALUMINUM ALLOY TUBE-FIN HEAT	(73) Raytheon Company
IN A COOLER OF A COOLING SYSTEM	EXCHANGER	(72) SKOYLES, Liam
(73) Valeo Autosystemy SP. Z.O.O.	(73) Carrier Corporation	CLARK, Patrick W.
(72) BEDEK, Adam	(72) HUANG, Ruoshuang	(31) 201715785841
ROMANSKI, Grzegorz	LOMBARDO, Mary Teresa	(32) 17.10.2017
SZOSTEK, Dawid	(31) 201261623386 P	(33) United States of America
(51) F28D 20/02	(32) 12.04.2012	(51) G01C 5/06
(11) EP3857155	(33) United States of America	G01C 21/20
(21) EP19801400.3	(51) F41G 1/38	H04W 4/02
(47) 05.10.2022	(11) EP3567335	(11) EP3321629
(87) GB2019052756	(21) EP18171035.1	(21) EP16838509.4
02.04.2020	(47) 05.10.2022	(47) 05.10.2022
(22) 30.09.2019	(22) 07.05.2018	(87) CN2016095679
(54) HEAT BATTERY AND PROCESS OF	(54) LONG RANGE OPTICAL DEVICE, IN	02.03.2017
MANAGING EXPANSION AND/OR	PARTICULAR TELESCOPIC SIGHT	(22) 17.08.2016
VOLUMETRIC CHANGES WITHIN A	(73) Steiner-Optik GmbH	(54) METHOD FOR DETERMINING FLOOR,
BATTERY CELL CASE.	(72) Ruckdeschel, Matthias	RELATED APPARATUS AND SYSTEM
(73) Sunamp Limited	Haag, Peter	(73) Huawei Technologies Co., Ltd.
(72) ZAGLIO, Maurizio	(51) G01B 5/00	(72) LU, Henghui
GATAORA, Santokh Singh	G01B 5/004	(31) 201510541308
BISSELL, Andrew	G01B 7/00	(32) 27.08.2015
(31) 201815821	(11) EP3833929	(33) China
(32) 28.09.2018	(21) EP18765546.9	(51) G01C 19/5607
(33) United Kingdom	(47) 05.10.2022	H01L 41/113
(51) F28F 1/32	(87) DE2018100703	G01C 19/5621
(11) EP3764049	13.02.2020	(11) EP3812703
(21) EP20184890.0	(22) 09.08.2018	(21) EP19818985.4
(47) 05.10.2022	(54) TACTILE DETECTION OF A POSITION	(47) 05.10.2022
(22) 09.07.2020	OF COMPONENTS OF A VEHICLE	(87) JP2019023298
(54) FIN WITH IMPROVED RESISTANCE	PART	19.12.2019
AND ASSOCIATED HEAT EXCHANGER	(73) Lisa Dräxlmaier GmbH	(22) 12.06.2019
(73) Air Hex Alonte S.r.l.	(72) KAGERHUBER, Manuel	(54) SENSOR ELEMENT AND ANGULAR
(72) Zapparoli, Paolo	FUSSEDER, Franz	VELOCITY SENSOR
(31) 201900011568	MAYER, Anton	(73) Kyocera Corporation
(32) 12.07.2019	(51) G01B 11/25	(72) SOEJIMA, Munetaka
(33) Italy	G02B 5/30	TAKANAMI, Shun
(51) F28F 1/40	G02B 27/28	(31) 2018112928
F28F 3/02	G02B 27/42	(32) 13.06.2018
F28F 1/02	G03B 21/00	(33) Japan
F28D 1/03	G03B 21/20	(51) G01D 4/00
F28D 1/053	G01N 21/88	G01R 22/06
(11) EP3521745	(11) EP3489622	G01D 21/00
(21) EP18461515.1	(21) EP18187007.2	(11) EP3982087
(47) 05.10.2022	(47) 05.10.2022	(21) EP20397513.1
(22) 06.02.2018	(22) 02.08.2018	(47) 05.10.2022
(54) A FLAT TUBE ASSEMBLY FOR A HEAT	(54) OPTICAL SENSING DEVICE	(22) 09.10.2020
EXCHANGER	(73) Liqxtal Technology Inc.	(54) AN ELECTRICITY METERING DEVICE
(73) Valeo Autosystemy SP. Z.O.O.	(72) CHEN, Hung-Shan	(73) Aidon Oy
(72) KOLACZ, Adam	CHEN, Yen-Chen	(72) LOHVANSUU, Juha
BIENIEK, Robert	(31) 201815970856	(51) G01D 5/14
MATYSZKOWICZ, Wojciech	201762590662 P	G01D 5/246
LACHOWICZ, Przemyslaw	(32) 03.05.2018	(11) EP3907475
(51) F28F 21/08	27.11.2017	(21) EP20173738.4
F28D 1/04	(33) United States of America	(47) 05.10.2022
C22C 21/00	United States of America	(22) 08.05.2020
C22C 21/06	(51) G01B 11/27	(54) MAGNETIC POSITION SENSOR
C22C 21/10	G01J 3/02	SYSTEM AND METHOD
F28F 1/24	(11) EP3669139	(73) Melexis Technologies SA
B32B 15/01	(21) EP18750045.9	(72) BIDAUX, Yves
C22C 1/00	(47) 05.10.2022	(51) G01D 5/20
C22C 1/06	(87) US2018042834	G01D 5/244
F28F 19/00	25.04.2019	G01D 5/245
(11) EP2836785	(22) 19.07.2018	(11) EP3553475
(21) EP13718458.6		(21) EP19168524.7
(47) 05.10.2022		

(47) 05.10.2022	(72) UENODAN, Akira	(32) 18.11.2014
(22) 10.04.2019	YOGO, Takayuki	(33) European Patent Office (EPO)
(54) NOISE-RESISTANT INTERMITTENTLY OPERATING INCREMENTAL POSITION SENSOR	WATANABE, Tsubasa	(51) G01F 22/02
(73) Hemy8 SA	MIKI, Takahiro	(11) EP3746751
(72) MEYER, Hans Ulrich	TASHIRO, Shinobu	(21) EP19707880.1
(31) 201862655344 P	HOSHIKA, Hiroaki	(47) 05.10.2022
(32) 10.04.2018	(31) 2017170243	(87) IB2019050819
(33) United States of America	(32) 05.09.2017	08.08.2019
(51) G01D 11/30	(33) Japan	(22) 01.02.2019
(11) EP3861296	(51) G01F 1/74	(54) MEASURING METHOD AND MEASURING STATION TO DETERMINE THE VOLUME OF LIQUID PRODUCT CONTAINED IN A DISPOSABLE CARTRIDGE FOR SMOKING ARTICLES
(21) EP19780034.5	G01F 1/84	(73) G.D Società per Azioni
(47) 05.10.2022	E21B 47/10	(72) LAMBORGHINI, Gianpiero
(87) IB2019058281	(11) EP3069108	FEDERICI, Luca
09.04.2020	(21) EP13795970.6	(31) 201800002328
(22) 30.09.2019	(47) 05.10.2022	(32) 02.02.2018
(54) FASTENING DEVICE FOR HOLDING A SENSOR, COMPRISING A CAM	(87) US2013070179	(33) Italy
(73) Payraud, Pierre	21.05.2015	(51) G01F 23/263
(72) Payraud, Pierre	(22) 14.11.2013	G01F 23/80
(31) 1859227	(54) CORIOLIS FLOW METERING BASED WELLHEAD MEASUREMENT METHOD AND DEVICE	G01F 25/20
(32) 05.10.2018	(73) Micro Motion, Inc.	G01F 23/00
(33) France	(72) SCHOLLENBERGER, Frederick Scott	(11) EP3701254
(51) G01F 1/66	WEINSTEIN, Joel	(21) EP18870139.5
G01F 1/667	(51) G01F 11/20	(47) 05.10.2022
(11) EP3644022	G01F 11/24	(87) US2018060766
(21) EP19203299.3	(11) EP3861298	02.05.2019
(47) 05.10.2022	(21) EP18814681.5	(22) 13.11.2018
(22) 15.10.2019	(47) 05.10.2022	(54) CAPACITANCE SENSING APPARATUS AND METHOD FOR DETECTING GAS-LIQUID TRANSITIONS
(54) METHOD AND DEVICE FOR DETECTING FLUID VOLUME	(87) IB2018058524	(73) Flowserve Management Company
(73) Diehl Metering GmbH	07.05.2020	(72) SHARMA, Akshat
(72) Mayle, Michael	(22) 31.10.2018	CORNWELL, Peter Charles
Ploß, Peter	(54) DOSING APPARATUS	XIE, Ruihua
Benkert, Andreas	(73) Uab "Gramido"	(51) G01F 23/284
(31) 102018008393	(72) SHUTOV, Vasilii Vasilievich	G01S 7/03
(32) 24.10.2018	(51) G01F 15/00	G01S 7/35
(33) Germany	G01F 1/68	G01S 13/34
(51) G01F 1/66	C09K 5/10	(11) EP3692343
G01F 1/667	G01N 25/20	(21) EP17780734.4
G06F 17/40	G01N 33/28	(47) 05.10.2022
(11) EP2786100	(11) EP3760983	(87) EP2017075530
(21) EP12853865.9	(21) EP19183880.4	11.04.2019
(47) 05.10.2022	(47) 05.10.2022	(22) 06.10.2017
(87) DK2012050440	(22) 02.07.2019	(54) LEVEL GAUGE WITH RADAR SYSTEM
06.06.2013	(54) CONTROL VALVE AND METHOD FOR ESTIMATING PARAMETERS OF A FLUID	(73) VEGA Grieshaber KG
(22) 30.11.2012	(73) Siemens Aktiengesellschaft	(72) WELLE, Roland
(54) ULTRASONIC FLOW METER WITH DIGITALLY UNDER-SAMPLED FLOW MEASUREMENTS	(72) Glöckle, Steffen	BÖRSIG, Jörg
(73) Kamstrup A/S	Oßwald, Sven	WÄLDE, Steffen
(72) Sørensen, Jens, Lykke	Schmanau, Mike	(51) G01F 23/284
Bendixen, Paul, Martin	Wetzel, Martin	G01S 7/03
(31) 11191677	(51) G01F 19/00	G01S 13/88
(32) 02.12.2011	B65D 33/16	H01Q 1/22
(33) European Patent Office (EPO)	B65D 77/24	H01Q 13/02
(51) G01F 1/684	(11) EP3221669	(11) EP3450931
G01F 5/00	(21) EP15787991.7	(21) EP17188089.1
G01F 15/14	(47) 05.10.2022	(47) 05.10.2022
(11) EP3680630	(87) EP2015075068	(22) 28.08.2017
(21) EP18855044.6	26.05.2016	(54) HOLLOW LINE COUPLING FOR A FILL LEVEL RADAR
(47) 05.10.2022	(22) 29.10.2015	(73) VEGA Grieshaber KG
(87) JP2018026641	(54) CLIP-SCOOP WITH ANTI-SLIPPING FUNCTIONALITY	(72) SCHULTHEIß, Daniel
14.03.2019	(73) Société des Produits Nestlé S.A.	MÜLLER, Christoph
(22) 17.07.2018	(72) NUIJEN, Rik	BAUR, Roland
(54) THERMAL-TYPE FLOWMETER	SCHOENMAKERS, Angela	
(73) Hitachi Astemo, Ltd.	SCHRAML, Rafael	
	(31) 14193610	

(51) G01F 23/72 G01N 29/02 G01N 29/024 G01N 29/22 G01N 33/28 G01K 1/00 (11) EP3667262 (21) EP19213889.9 (47) 05.10.2022 (22) 05.12.2019 (54) FLUID SENSOR ASSEMBLY (73) TE Connectivity Corporation (72) Rudolf, Zoltan Sarkar, Romit (31) 201816214348 (32) 10.12.2018 (33) United States of America	(54) TIMING HOPPER AND COMBINATION WEIGHING DEVICE (73) ISHIDA CO., Ltd. (72) Kishikawa, Mikio (31) 2019165372 (32) 11.09.2019 (33) Japan	SABUNCUOGLU TEZCAN, Deniz TACK, Nicolaas
(51) G01F 23/74 B05B 12/08 B05B 12/14 B05B 7/32 B05B 7/24 F04B 13/02 F04B 49/06 B05B 5/03 B05B 7/00 (11) EP3532810 (21) EP17795173.8 (47) 05.10.2022 (87) US2017058581 03.05.2018 (22) 26.10.2017 (54) SYSTEMS AND METHODS FOR A MATERIAL SENSOR FOR A MATERIAL TANK (73) Carlisle Fluid Technologies, Inc. (72) STRONG, Christopher Lee WALTER, Bradley Paul (31) 201715793814 201662413407 P (32) 25.10.2017 26.10.2016 (33) United States of America United States of America	(51) G01H 1/00 G01M 13/045 (11) EP2526389 (21) EP11733155.3 (47) 05.10.2022 (87) SE2011050035 21.07.2011 (22) 13.01.2011 (54) APPARATUS, METHOD AND COMPUTER PROGRAM FOR ANALYSING THE CONDITION OF A MACHINE HAVING A ROTATING PART (73) S.P.M. Instrument AB (72) HEDIN, Lars-Olov (31) 1000045 1000631 (32) 18.01.2010 11.06.2010 (33) Sweden Sweden	(51) G01K 1/02 G01K 1/14 (11) EP3951339 (21) EP20189935.8 (47) 05.10.2022 (22) 06.08.2020 (54) NANOSCALE THERMOMETRY (73) Qnami AG CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE -CNRS- Université de Montpellier (72) Munsch, Mathieu Maletinsky, Patrick Favaro de Oliveira, Felipe Tanos, Rana Jacques, Vincent Robert - Philip, Isabelle
(51) G01G 17/04 B01L 9/00 (11) EP3864382 (21) EP19779201.3 (47) 05.10.2022 (87) IT2019050194 16.04.2020 (22) 30.08.2019 (54) WEIGHING DEVICE TO WEIGH AT LEAST ONE CONTAINER (73) I.M.A. Industria Macchine Automatiche S.p.A. (72) GABUSI, Gabriele MACCAGNANI, Mauro MANERA, Sergio (31) 201800009300 (32) 10.10.2018 (33) Italy	(51) G01H 11/08 B06B 1/06 G01S 7/521 G01S 15/931 G10K 9/22 (11) EP2765789 (21) EP12838230.6 (47) 05.10.2022 (87) JP2012075448 11.04.2013 (22) 02.10.2012 (54) ULTRASONIC SENSOR (73) Murata Manufacturing Co., Ltd. (72) KAWATSUMA, Masato (31) 2011220673 (32) 05.10.2011 (33) Japan	(51) G01K 15/00 G05D 23/19 (11) EP3816596 (21) EP20203759.4 (47) 05.10.2022 (22) 26.10.2020 (54) REGULATION OF RATE OF TEMPERATURE CHANGE FOR A DRY BLOCK CALIBRATOR (73) Beamex Oy Ab (72) BYGGMÄSTAR, Mats MAUNUMÄKI, Taja (31) 20195925 (32) 28.10.2019 (33) Finland
(51) G01G 19/393 (11) EP3792605 (21) EP20189161.1 (47) 05.10.2022 (22) 03.08.2020	(51) G01J 1/32 G01J 1/42 (11) EP3517906 (21) EP18154191.3 (47) 05.10.2022 (22) 30.01.2018 (54) METHOD FOR SENSING LIGHT (73) ams AG (72) Theiler, Helmut Kriberneegg, Josef	(51) G01L 17/00 G01L 19/04 G01L 19/06 G01L 19/14 B60C 23/04 (11) EP3844469 (21) EP19758735.5 (47) 05.10.2022 (87) EP2019072890 05.03.2020 (22) 27.08.2019 (54) ENCASED PRESSURE SENSOR (73) Safran Electronics & Defense COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN Safran Landing Systems SAFRAN (72) RIOU, Jean-Christophe BAILLY, Eric (31) 1857877 (32) 31.08.2018 (33) France
	(51) G01J 3/51 G01J 3/50 H01L 27/14 G01J 3/02 (11) EP3112828 (21) EP15174534.6 (47) 05.10.2022 (22) 30.06.2015 (54) INTEGRATED CIRCUIT AND METHOD FOR MANUFACTURING INTEGRATED CIRCUIT (73) IMEC VZW (72) VEREECKE, Bart SOUSSAN, Philippe	(51) G01L 19/00 G01D 11/30 (11) EP3943905 (21) EP20186872.6 (47) 05.10.2022 (22) 21.07.2020 (54) CONNECTING DEVICE FOR CONNECTING A SENSOR TO A FLUID- CONTAINING UNIT (73) SICK AG (72) Graner, Thomas Bleiziffer, Markus

Urban, Martin	(31) 201805861	SCHMITT, Matthias
(51) G01L 19/00	(32) 07.12.2018	(51) G01M 11/02
G01L 27/00	(33) Belgium	G02C 7/06
G01L 9/00	(51) G01M 3/32	(11) EP3924710
(11) EP3767266	(11) EP3809108	(21) EP20719649.4
(21) EP19186286.1	(21) EP19000475.4	(47) 05.10.2022
(47) 05.10.2022	(47) 05.10.2022	(87) EP2020061258
(22) 15.07.2019	(22) 17.10.2019	29.10.2020
(54) PRESSURE MEDIUM SYSTEM OR PRESSURE TRANSDUCER WITH INTEGRATED SELF-TEST	(54) LEAK TESTER	(22) 22.04.2020
(73) VEGA Grieshaber KG	(73) Delta Engineering Bvba	(54) METHOD AND DEVICE FOR MEASURING THE LOCAL REFRACTIVE POWER AND/OR REFRACTIVE POWER DISTRIBUTION OF A SPECTACLE LENS
(72) HUBER, Jochen	(72) de Bruyn, Danny	(73) Carl Zeiss Vision International GmbH
(51) G01L 19/06	(51) G01M 7/06	(72) GLASENAPP, Carsten
(11) EP3872472	G01N 29/04	(31) 19170714
(21) EP21159179.7	G01M 7/02	(32) 23.04.2019
(47) 05.10.2022	(11) EP3517947	(33) European Patent Office (EPO)
(22) 25.02.2021	(21) EP19382049.5	(51) G01N 1/10
(54) SEMICONDUCTOR DEVICE FOR AMBIENT SENSING INCLUDING A CAVITY AND CORRESPONDING MANUFACTURING PROCESS.	(47) 05.10.2022	F17C 7/00
(73) STMicroelectronics S.r.l.	(22) 24.01.2019	(11) EP3368878
(72) AZPEITIA URQUIA, Mikel	(54) INTERFACE FOR SYSTEM FOR ACOUSTIC CHARACTERISATION OF DEVICES SUBJECTED TO MULTIAXIAL VIBRATION	(21) EP16791773.1
ALLEGATO, Giorgio	(73) Fundación para la Promoción de la Innovación, Investigación y Desarrollo Tecnológico de la Industria de Automoción de Galicia	(47) 05.10.2022
(31) 202000003862	(72) GONZALEZ FIGUEROA, Damian	(87) US2016059015
(32) 25.02.2020	TORRES FERNANDEZ, Enrique	04.05.2017
(33) Italy	RIOS CAL, Julian	(22) 27.10.2016
(51) G01M 3/28	(31) 201830069	(54) FLUID SAMPLING
F15B 19/00	(32) 26.01.2018	(73) SGS North America Inc.
F17D 5/00	(33) Spain	(72) HALL, Jim
F17D 5/06	(51) G01M 11/00	LATAIRE, Sven
(11) EP3891485	G01J 4/04	(31) 201514923997
(21) EP19832190.3	(11) EP3910310	(32) 27.10.2015
(47) 05.10.2022	(21) EP21172895.1	(33) United States of America
(87) IB2019060165	(47) 05.10.2022	(51) G01N 1/14
11.06.2020	(22) 07.05.2021	G01N 35/10
(22) 26.11.2019	(54) POLARIZATION DEPENDENT LOSS MEASUREMENT	G01F 23/292
(54) GAS NETWORK AND METHOD FOR THE SIMULTANEOUS DETECTION OF LEAKS AND OBSTRUCTIONS IN A GAS NETWORK UNDER PRESSURE OR VACUUM	(73) EXFO Optics, SAS	(11) EP3567359
(73) ATLAS COPCO AIRPOWER, naamloze vennootschap	(72) CYR, Normand	(21) EP18171269.6
(72) GEUENS, Philippe	RUCHET, Bernard	(47) 05.10.2022
LOUARROUDI, Ebrahim	(31) 202063024741 P	(22) 08.05.2018
(31) 201805862	(32) 14.05.2020	(54) LIQUID HANDLING SYSTEM AND A METHOD FOR ANALYSING A STATE OF A TIP
(32) 07.12.2018	(33) United States of America	(73) Sartorius Biohit Liquid Handling Oy
(33) Belgium	(51) G01M 11/00	(72) HÄMÄLÄINEN, Mikko
(51) G01M 3/28	G01N 21/55	VIHINEN, Pasi
F15B 19/00	G01M 3/38	FORSMAN, Staffan
F17D 5/02	G02B 7/00	(51) G01N 1/28
F17D 5/06	B23K 26/70	G01N 1/38
(11) EP3891486	G02B 6/42	G01N 1/44
(21) EP19832191.1	G01N 21/958	H02N 11/00
(47) 05.10.2022	(11) EP3914889	G01N 35/10
(87) IB2019060166	(21) EP19701641.3	B01L 9/00
11.06.2020	(47) 05.10.2022	G01N 35/00
(22) 26.11.2019	(87) EP2019051679	(11) EP3346255
(54) GAS NETWORK AND METHOD FOR DETECTING LEAKS IN A GAS NETWORK UNDER PRESSURE OR UNDER VACUUM	30.07.2020	(21) EP16842246.7
(73) ATLAS COPCO AIRPOWER, naamloze vennootschap	(22) 24.01.2019	(47) 05.10.2022
(72) GEUENS, Philippe	(54) ARRANGEMENT FOR MONITORING AN OPTICAL ELEMENT, LASER SOURCE AND EUV RADIATION GENERATION APPARATUS	(87) KR2016009641
LOUARROUDI, Ebrahim	(73) TRUMPF Lasersystems for Semiconductor Manufacturing GmbH	09.03.2017
	(72) SCHULZ, Joachim	(22) 30.08.2016
	WEBER, Marc	(54) SAMPLE PRETREATMENT SYSTEM
		(73) Nanoentek, Inc.
		(72) LEE, Hyoung-Seop
		HONG, Sung-Hun
		(31) 20150125867
		(32) 04.09.2015

(33) Korea (Republic)	G01N 15/00	G01N 21/53
(51) G01N 1/28	G01N 21/01	B01D 19/00
G01N 35/00	G01N 21/53	B01L 3/00
G01N 35/04	(11) EP3425370	G02B 5/04
(11) EP3877743	(21) EP18179798.6	G02B 27/10
(21) EP19802064.6	(47) 05.10.2022	G01N 21/05
(47) 05.10.2022	(22) 26.06.2018	(11) EP3332239
(87) DK2019050335	(54) OPTICAL MEASUREMENT	(21) EP16808057.0
14.05.2020	APPARATUS, AND OPTICAL	(47) 05.10.2022
(22) 05.11.2019	MEASUREMENT METHOD	(87) US2016035638
(54) DEVICE FOR AUTOMATED AND	(73) Otsuka Electronics Co., Ltd.	15.12.2016
CONTAMINATION-FREE SAMPLING	(72) Izutani, Yusuke	(22) 03.06.2016
AND ANALYSING	Wakayama, Ikuo	(54) FLUIDIC MODULE FOR TURBIDITY
(73) Atline ApS	(31) 2017132206	MEASURING DEVICE
(72) JØRGENSEN, Thomas Kniep	(32) 05.07.2017	(73) Tintometer GmbH
(31) PA201870734	(33) Japan	(72) PALUMBO, Perry
(32) 07.11.2018	(51) G01N 15/06	(31) 201662315298 P
(33) Denmark	G01N 15/14	201562244004 P
(51) G01N 1/42	G01N 15/00	201562174243 P
G01N 1/30	G01N 21/53	201562173101 P
(11) EP3329244	(11) EP3660487	(32) 30.03.2016
(21) EP16750705.2	(21) EP19211474.2	20.10.2015
(47) 05.10.2022	(47) 05.10.2022	11.06.2015
(87) EP2016068339	(22) 26.11.2019	09.06.2015
02.02.2017	(54) A LASER AUTO-FOCUS PM 2.5 DUST	(33) United States of America
(22) 01.08.2016	SENSOR	United States of America
(54) METHOD OF PREPARING A FROZEN	(73) HELLA GmbH & Co. KGaA	United States of America
BIOLOGICAL SAMPLE	(72) Huang, Leo	United States of America
(73) Qiagen GmbH	Huang, Zhihang	
(72) GRÖLZ, Daniel	Li, Feng	(51) G01N 21/15
(31) 15179170	(31) 201811439365	G01N 21/27
(32) 30.07.2015	(32) 29.11.2018	G01N 21/85
(33) European Patent Office (EPO)	(33) China	(11) EP3158319
(51) G01N 3/40	(51) G01N 15/14	(21) EP15730479.1
G01N 33/15	G01N 21/00	(47) 05.10.2022
(11) EP3074747	G01N 33/48	(87) EP2015063588
(21) EP14755346.5	G01R 23/00	23.12.2015
(47) 05.10.2022	(11) EP2951557	(22) 17.06.2015
(87) EP2014067506	(21) EP14746564.5	(54) PROBE FOR GAS SENSOR HAVING
04.06.2015	(47) 05.10.2022	PURGE GAS PROTECTION
(22) 15.08.2014	(87) US2014014273	(73) Danfoss IXA A/S
(54) DEVICE AND METHOD FOR TESTING	07.08.2014	(72) SKOUBOE, Allan
TABLETS	(22) 31.01.2014	HOJER, Jesper
(73) Erweka GmbH	(54) METHODS AND SYSTEMS FOR	MOBERG, Carsten
(72) MÜLLER, Werner G.	ASSESSING SAMPLE BEHAVIOR IN A	(31) 201400324
BOZKURT, Levent	FLOW CYTOMETER	(32) 19.06.2014
(31) 102013113126	(73) Becton, Dickinson and Company	(33) Denmark
(32) 27.11.2013	(72) TROTTER, Joseph	(51) G01N 21/25
(33) Germany	IYER, Sujata	G01N 21/00
(51) G01N 7/14	(31) 201361759878 P	A61B 5/1459
G01N 7/16	(32) 01.02.2013	(11) EP2948760
(11) EP3710808	(33) United States of America	(21) EP14743567.1
(21) EP18807202.9	(51) G01N 17/00	(47) 05.10.2022
(47) 05.10.2022	G01N 3/56	(87) US2014012365
(87) AT2018000090	(11) EP3663744	31.07.2014
23.05.2019	(21) EP19205997.0	(22) 21.01.2014
(22) 08.11.2018	(47) 05.10.2022	(54) REDUCED SIZE OPTICAL COUPLER
(54) METHOD FOR MEASURING THE	(22) 29.10.2019	FOR FLUORESCENCE DETECTION
VAPOUR PRESSURE OF FLUIDS AND	(54) SAND GRAIN CORROSION TESTING	(73) Embecta Corp.
SOLIDS	DEVICE	(72) WEBER, Aaron
(73) Grabner Instruments Messtechnik GmbH	(73) CITIC Dicastal Co., Ltd.	TRACY, David
(72) LUTZ, Josef	(72) ZHENG, Liquan	SALEMME, James
(31) 4462017	HAN, Jinpeng	PRUDDEN, John
(32) 14.11.2017	(31) 201811473243	(31) 201361755296 P
(33) Austria	(32) 04.12.2018	(32) 22.01.2013
(51) G01N 15/02	(33) China	(33) United States of America
G01N 21/51	(51) G01N 21/00	(51) G01N 21/25
	G01J 3/00	G01N 21/27
		G01N 21/51

G01N 21/82	10.10.2014	(54) SYSTEM AND METHOD FOR
G01N 35/02	(33) Japan	DETECTING DEFECTS IN A
G01N 15/14	Japan	COMPONENT
G01N 21/31	(51) G01N 21/64	(73) General Electric Company
G01N 21/47	G01N 21/85	(72) NALLADEGA, Venkata, Vijayaraghava
G01N 35/00	G01N 21/88	BATZINGER, Thomas, James
(11) EP2876433	(11) EP3719480	PLOTNIKOV, Yuri, Alexeyevich
(21) EP13820458.1	(21) EP20169090.6	MANDAYAM, Shyamsunder, Tondanur
(47) 05.10.2022	(47) 05.10.2022	KNIGHT, Bryon, Edward
(87) JP2013066483	(22) 03.08.2015	JEYARAMAN, Satheesh
23.01.2014	(54) A FLUOROMETER FOR MEASURING	SEN GUPTA, Esha
(22) 14.06.2013	FLUORESCENCE OF A SAMPLE	(31) 201615198876
(54) AUTOMATIC ANALYSIS DEVICE AND	(73) Ecolab USA Inc.	(32) 30.06.2016
METHOD	(72) Tokhtuev, Eugene	(33) United States of America
(73) Hitachi High-Tech Corporation	Skirda, Anatoly	(51) G01N 27/00
(72) ADACHI, Sakuichiro	Pilipchenko, Anna	G01R 1/07
YAMAZAKI, Hajime	Bolduc, John Wilhelm	(11) EP3314272
IJIMA, Masahiko	Valenstein, Justin Scott	(21) EP16814787.4
(31) 2012161846	Bakken, Amanda	(47) 05.10.2022
(32) 20.07.2012	Fawbush, Stacy	(87) NO2016050140
(33) Japan	Hutchison, Jeffrey	29.12.2016
(51) G01N 21/51	(31) 201414457573	(22) 24.06.2016
G01N 21/64	(32) 12.08.2014	(54) KELVIN PROBE SYSTEM WITH A
G01N 21/65	(33) United States of America	ROTATING PROBE FACE
G01N 21/85	(51) G01N 21/958	(73) INDIKEL AS
G01N 33/44	B60R 25/30	(72) TURCU, Eugen Florin
B29B 17/00	B60R 25/34	ROHWERDER, Michael
B29B 17/04	B60S 1/08	(31) 20150829
G01N 21/31	(11) EP3577446	201511114
G01N 21/33	(21) EP18704063.9	(32) 24.06.2015
G01N 21/359	(47) 05.10.2022	24.06.2015
G01N 21/84	(87) GB2018050271	(33) Norway
(11) EP3843966	09.08.2018	United Kingdom
(21) EP19762701.1	(22) 31.01.2018	(51) G01N 27/12
(47) 05.10.2022	(54) SYSTEMS AND METHODS FOR	G01D 11/24
(87) AT2019060278	DAMAGE DETECTION	H01R 13/64
05.03.2020	(73) Belron International Limited	(11) EP2972261
(22) 28.08.2019	(72) FRANCIS, Kelly	(21) EP14775405.5
(54) METHOD AND DEVICE FOR	DAVIES, Christopher	(47) 05.10.2022
TREATING, PROCESSING AND/OR	(31) 201701924	(87) US2014024004
RECYCLING OF THERMOPLASTIC	(32) 06.02.2017	02.10.2014
MATERIALS	(33) United Kingdom	(22) 12.03.2014
(73) EREMA Engineering Recycling	(51) G01N 23/20025	(54) SENSOR ASSEMBLY
Maschinen und Anlagen Gesellschaft	G01N 3/08	(73) Teledyne Detcon, Inc.
m.b.H.	G01N 3/22	(72) LANDIS, Jeffrey, Lynn
(72) HAIDER, Stephanie	G01N 23/046	(31) 201361781333 P
AIGNER, Michael	(11) EP3379237	(32) 14.03.2013
FEICHTINGER, Klaus	(21) EP18000285.9	(33) United States of America
(31) 507382018	(47) 05.10.2022	(51) G01N 27/327
(32) 29.08.2018	(22) 21.03.2018	B01L 3/00
(33) Austria	(54) SAMPLE MANIPULATOR	G01N 33/543
(51) G01N 21/64	FOR ROTATING TENSILE OR	(11) EP2751565
(11) EP3206018	COMPRESSIVE STRESS AND	(21) EP12772707.1
(21) EP15848393.3	CORRESPONDING METHOD	(47) 05.10.2022
(47) 05.10.2022	(73) Kammrath & Weiss GmbH	(87) DE2012200058
(87) JP2015077156	(72) Kammrath, Waldemar	07.03.2013
14.04.2016	(31) 102017003005	(22) 31.08.2012
(22) 25.09.2015	(32) 25.03.2017	(54) CARRIER MATERIAL FOR
(54) DEVICE FOR DETECTION OF	(33) Germany	ELECTRICALLY POLARISABLE
FLUORESCENCE IN LIQUID AND	(51) G01N 25/72	BIOMATERIALS, POLYELECTROLYTE
METHOD FOR DETECTION OF	(11) EP3479108	MATERIALS, ATOMS, IONS AND
FLUORESCENCE IN LIQUID	(21) EP17737952.6	MOLECULES; PRODUCTION AND USE
(73) Azbil Corporation	(47) 05.10.2022	THEREOF
(72) OBARA, Daisuke	(87) US2017039173	(73) Helmholtz-Zentrum Dresden -
FURUYA, Masashi	04.01.2018	Rossendorf e.V.
(31) 2014236527	(22) 26.06.2017	Leibniz-Institut für Polymerforschung
2014209075		Dresden e.V.
(32) 21.11.2014		(72) SCHMIDT, Heidemarie



BAUMGART, Christine	(31) 201518369	(54) STABLE URINE INDICATOR WITH
SKORUPA, Ilona	201516003	LONG-TERM DETECTION AND
SCHMIDT, Oliver, G.	201503878	METHOD FOR ITS PREPARATION
MÜLLER, Martin	201503863	(73) AXAGARIUS GmbH & Co. KG
HELM, Manfred	201503867	(72) Husmann, Ralph
(31) 102012106365	201503877	Hoffmann, Jürgen
102011055115	201503864	(31) 102018214263
102011053174	201503876	(32) 23.08.2018
(32) 16.07.2012	201503879	(33) Germany
07.11.2011	(32) 16.10.2015	(51) G01N 33/00
31.08.2011	09.09.2015	C07F 5/02
(33) Germany	06.03.2015	G01N 27/12
Germany	06.03.2015	(11) EP3872487
Germany	06.03.2015	(21) EP20212549.8
(51) G01N 27/403	06.03.2015	(47) 05.10.2022
(11) EP3677904	06.03.2015	(22) 08.12.2020
(21) EP18851532.4	06.03.2015	(54) VOLATILE ALKENE SENSING DEVICE
(47) 05.10.2022	06.03.2015	AND METHOD OF USING
(87) JP2018031082	(33) United Kingdom	(73) Carrier Corporation
07.03.2019	United Kingdom	(72) Washer, Benjamin M.
(22) 23.08.2018	United Kingdom	Yermembetova, Aiganym
(54) HYGROSCOPIC SENSOR	United Kingdom	Wei, Alexander
(73) National Institute for Materials Science	United Kingdom	(31) 202062981239 P
(72) KAWAKITA Jin	United Kingdom	(32) 25.02.2020
OHI Akihiko	United Kingdom	(33) United States of America
OHKI Tomoko	United Kingdom	(51) G01N 33/42
IKEDA Naoki	United Kingdom	E01C 19/28
NABATAME Toshihide	(51) G01N 29/26	(11) EP3841380
CHIKYO Toyohiro	G01N 29/28	(21) EP18762041.4
(31) 2017168167	G01N 29/22	(47) 05.10.2022
(32) 01.09.2017	G01N 29/265	(87) EP2018072563
(33) Japan	(11) EP3062101	27.02.2020
(51) G01N 27/62	(21) EP16152869.0	(22) 21.08.2018
H01J 49/00	(47) 05.10.2022	(54) SYSTEM FOR MEASURING
G01N 33/92	(22) 27.01.2016	COMPACTION
G01N 33/68	(54) DEVICE FOR ULTRASONIC TESTING	(73) MOBA - Mobile Automation AG
G01N 3/00	OF LARGE VOLUME TEST BODIES	(72) MARX, Bernhard
G01N 9/00	(73) Salzgitter Mannesmann Forschung	(51) G01N 33/53
A61B 10/02	GmbH	G01N 21/75
A61B 17/00	(72) Schmitte, Till	C12M 1/34
A61B 18/00	Graff, Alfred	G01N 33/558
A61B 18/14	Orth, Thomas	B01L 3/00
A61B 10/00	(31) 102015102786	G01N 21/64
A61B 17/32	(32) 26.02.2015	G01N 33/569
A61B 18/20	(33) Germany	G01N 21/03
G01N 33/487	(51) G01N 30/60	G01N 15/14
H01J 49/04	G01N 30/88	(11) EP3508848
H01J 49/06	(11) EP2690435	(21) EP18215979.8
H01J 49/16	(21) EP12760478.3	(47) 05.10.2022
(11) EP3265797	(47) 05.10.2022	(22) 17.12.2013
(21) EP16710791.1	(87) JP2012057135	(54) SYSTEMS AND METHODS FOR
(47) 05.10.2022	27.09.2012	DETERMINING A CHEMICAL STATE
(87) GB2016050620	(22) 21.03.2012	(73) Accellix Ltd
15.09.2016	(54) LIQUID CHROMATOGRAPHY	(72) KASDAN, Harvey, Lee
(22) 07.03.2016	COLUMN, AND METHOD FOR	MEISSONNIER, Julien
(54) INLET INSTRUMENTATION FOR ION	ANALYZING HEMOGLOBIN	ZUTA, Yoav
ANALYSER COUPLED TO RAPID	(73) Sekisui Medical Co., Ltd.	ROSEN, Micha
EVAPORATIVE IONISATION MASS	(72) YOTANI Takuya	HIMMEL, Yael
SPECTROMETRY ("REIMS") DEVICE	(31) 2011062936	BRODER, Yehoshua
(73) Micromass UK Limited	(32) 22.03.2011	DAVIS, Bruce
(72) TAKÁTS, Zoltán	(33) Japan	GOLDMAN, Bruce
BALOG, Júlia	(51) G01N 31/22	GIRON, Boaz
PRINGLE, Steven Derek	A61L 15/56	BOTESAZAN, Zion
KARANCSI, Tamás	G01N 21/78	BLASBERG, Eliezer
MORRIS, Michael Raymond	(11) EP3614141	SEMMEI, Ilan
GÖDÖRHÁZSY, Lajos	(21) EP19193034.6	ASCHKENASY, Jacques
SZALAY, Dániel	(47) 05.10.2022	(31) 201213716246
SIMON, Dániel	(22) 22.08.2019	201261737856 P

201261737854 P	G01N 31/00	(87) US2019045450
(32) 17.12.2012	G01N 35/08	13.02.2020
17.12.2012	B01J 19/00	(22) 07.08.2019
17.12.2012	B82Y 30/00	(54) AUTOMATIC QUALITY CHECK FOR
(33) United States of America	(11) EP2282214	LABORATORY INSTRUMENTS
United States of America	(21) EP10183101.4	(73) Beckman Coulter, Inc.
United States of America	(47) 05.10.2022	(72) LA BARRIE, Madhuri
(51) G01N 33/53	(22) 09.05.2003	LENDZIAN, Scott
G01N 33/68	(54) Device and method for pressure-driven	SELINKSY, Joanna
C12N 9/04	plug transport and reaction	(31) 201862717475 P
G01N 33/542	(73) The University of Chicago	(32) 10.08.2018
(11) EP3259593	(72) ISMAGILOV, Rustem F	(33) United States of America
(21) EP16753142.5	(31) 394544 P	(51) G01N 35/08
(47) 05.10.2022	379927 P	G01N 31/00
(87) US2016018667	(32) 08.07.2002	G01N 33/577
25.08.2016	09.05.2002	B82Y 30/00
(22) 19.02.2016	(33) United States of America	B01J 19/00
(54) HOMOGENOUS IMMUNOASSAY WITH	United States of America	B01F 25/433
COMPENSATION FOR BACKGROUND	(51) G01N 33/68	B01F 33/302
SIGNAL	(11) EP3540442	B01L 3/00
(73) IDEXX Laboratories, Inc.	(21) EP19166974.6	G01N 15/14
(72) YERRAMILI, Murthy, VSN	(47) 05.10.2022	(11) EP2283918
XIE, Hongzhi	(22) 19.05.2015	(21) EP10185097.2
PATCH, Daniel, Wayne	(54) SURROGATE BIOMARKER FOR	(47) 05.10.2022
FARACE, Giosi	EVALUATING INTRACEREBRAL	(22) 09.05.2003
(31) 201562118832 P	AMYLOID BETA PEPTIDE	(54) Device and method for pressure-driven
(32) 20.02.2015	ACCUMULATION AND METHOD FOR	plug transport and reaction
(33) United States of America	ANALYSIS THEREOF	(73) The University of Chicago
(51) G01N 33/558	(73) Shimadzu Corporation	(72) Ismagilov, Rustem F
B01L 3/00	National Center for Geriatrics and	(31) 394544 P
G01N 1/38	Gerontology	379927 P
G01N 21/07	(72) KANEKO, Naoki	(32) 08.07.2002
(11) EP3853608	YANAGISAWA, Katsuhiko	09.05.2002
(21) EP19779119.7	(31) 2014106560	(33) United States of America
(47) 05.10.2022	(32) 22.05.2014	United States of America
(87) IB2019056709	(33) Japan	(51) G01N 35/10
26.03.2020	(51) G01N 33/86	B01L 3/02
(22) 07.08.2019	A61B 5/154	C12Q 1/70
(54) LATERAL FLOW ASSAY DEVICE AND	C12M 1/26	(11) EP3483613
ANALYSER	C12Q 1/34	(21) EP18199463.3
(73) FOSS Analytical A/S	G01N 33/48	(47) 05.10.2022
(72) VISTISEN, Rasmus	C12M 1/34	(22) 14.03.2014
ENGELL, Jakob Frederik Schøndorff	C12N 9/99	(54) HIV VIRAL LOAD TESTING
(31) PA201800619	(11) EP3401686	(73) Diagnostics for the Real World, Ltd
(32) 21.09.2018	(21) EP17736045.0	(72) ALLAIN, Jean-Pierre
(33) Denmark	(47) 05.10.2022	(31) 201317376
(51) G01N 33/558	(87) JP2017000335	201304797
G01N 33/92	13.07.2017	(32) 01.10.2013
G01N 33/94	(22) 06.01.2017	15.03.2013
G01N 33/52	(54) METHOD FOR ANALYZING BLOOD	(33) United Kingdom
(11) EP3865874	CHARACTERISTICS	United Kingdom
(21) EP21154366.5	(73) FUJIMORI KOGYO CO., LTD.	(51) G01P 3/44
(47) 05.10.2022	(72) HOSOKAWA, Kazuya	A63B 43/00
(22) 29.01.2021	WADA, Tomoko	G01B 7/30
(54) DISTINGUISHING SMOKING E-	KANEKO, Hisayo	G01P 3/48
CIGARETTES FROM SMOKING	HASEGAWA, Takaaki	G01C 21/08
CIGARETTES	NAGASATO, Tomoka	A63B 69/36
(73) Zhejiang Orient Gene Biotech Co., Ltd	(31) 2016039240	G01C 17/28
(72) Shen, Lili	2016002012	G01C 21/16
Feng, Haiying	(32) 01.03.2016	(11) EP3584585
Fang, Jianqiu	07.01.2016	(21) EP18777805.5
(31) 202010090249	(33) Japan	(47) 05.10.2022
202063023213 P	Japan	(87) JP2018006738
(32) 13.02.2020	(51) G01N 35/00	04.10.2018
11.05.2020	G01N 35/10	(22) 23.02.2018
(33) China	(11) EP3833982	(54) BALL ROTATION AMOUNT
United States of America	(21) EP19753595.8	MEASUREMENT SYSTEM
(51) G01N 33/577	(47) 05.10.2022	(73) Aichi Steel Corporation

(72) YAMAMOTO Michiharu URAKAWA Kazuo MORI Masaki	(32) 20.11.2018 06.08.2018	United States of America
(31) 2017213892 2017066668	(33) United States of America United States of America	(51) G01R 31/08 G01R 31/50 G01R 31/11 G01N 3/08 B60L 5/00 G05B 23/02 H02G 11/00 G01M 13/00 G01R 31/58
(32) 06.11.2017 30.03.2017	(51) G01Q 70/10 (11) EP3704495 (21) EP18836933.4 (47) 05.10.2022	(11) EP2641099 (21) EP10859407.8 (47) 05.10.2022 (87) CN2010078566 18.05.2012
(33) Japan Japan	(87) NL2018050725 09.05.2019	(22) 09.11.2010 (54) CABLE FATIGUE MONITOR AND METHOD THEREOF
(51) G01P 3/49 G01B 7/14 G01P 3/50	(22) 31.10.2018 (54) PROBE, METHOD OF MANUFACTURING A PROBE AND SCANNING PROBE MICROSCOPY SYSTEM	(73) ABB Schweiz AG (72) WU, Gang HOFSCHULTE, Jens GE, JingGuo
(11) EP3450988 (21) EP18187682.2 (47) 05.10.2022 (22) 07.08.2018 (54) SPEED DETECTING DEVICE AND METHOD	(73) Nederlandse Organisatie voor toegepast-natuurwetenschappelijk Onderzoek TNO (72) HERFST, Roelof, Willem DEKKER, Albert BIJNAGTE, Anton, Adriaan BIEMOND, Jan, Jacobus, Benjamin	(47) 05.10.2022 (87) CN2010078566 18.05.2012 (22) 09.11.2010 (54) CABLE FATIGUE MONITOR AND METHOD THEREOF
(73) Nabtesco Corporation (72) FLANKL, Michael TUEYSUEZ, Arda KOLAR, Johann W. TSUKADA, Yusuke NAKAMURA, Kazuhito	(31) 17199494 (32) 01.11.2017 (33) European Patent Office (EPO)	(73) ABB Schweiz AG (72) WU, Gang HOFSCHULTE, Jens GE, JingGuo
(31) 2017152723 (32) 07.08.2017 (33) Japan	(51) G01R 1/20 G01R 31/52 H02H 1/00 H02H 3/26	(51) G01R 31/28 G01R 31/302 G01R 1/04 G01R 1/24 G01R 29/08 (11) EP3451001 (21) EP18189727.3 (47) 05.10.2022 (22) 20.08.2018 (54) OVER THE AIR WIRELESS TEST SYSTEM FOR TESTING MICROELECTRONIC DEVICES INTEGRATED WITH ANTENNA
(51) G01P 15/08 B60R 25/10 B60R 25/34 B60R 25/102 G08B 13/04	(11) EP3896463 (21) EP21161910.1 (47) 05.10.2022 (22) 11.03.2021 (54) METHOD AND DEVICE FOR MONITORING THE DISCONNECTION OF A POWER GENERATOR	(73) MEDiatek INC. (72) LU, Yen-Ju HUNG, Chih-Ming WU, Wen-Chou CHEN, Nan-Cheng
(11) EP3665484 (21) EP18852731.1 (47) 05.10.2022 (87) CA2018051017 11.04.2019 (22) 23.08.2018 (54) ACCELERATION-BASED WINDOW GLASS BREAK DETECTION	(73) Bender GmbH & Co. KG (72) HACKL, Dieter (31) 102020109000 (32) 01.04.2020 (33) Germany	(73) MEDiatek INC. (72) LU, Yen-Ju HUNG, Chih-Ming WU, Wen-Chou CHEN, Nan-Cheng
(73) MOJ.IO Inc. (72) HAWK, Kenneth W. AZIMI, Soheil BAHREYNI, Behraad GREY, Taran	(51) G01R 19/25 H01R 13/713 H01R 25/00 H01R 27/02 H02J 3/14 G01R 21/133 H01R 13/66	(31) 201816056549 201762551265 P (32) 07.08.2018 29.08.2017 (33) United States of America United States of America
(31) 201715727196 (32) 06.10.2017 (33) United States of America	(11) EP3451480 (21) EP18190287.5 (47) 05.10.2022 (22) 22.08.2018 (54) SMART AND ROBUST WALL SOCKET WITH INTEGRATED UNIVERSAL SERIAL BUS (USB)	(51) G01R 31/28 G01R 31/58 G06F 30/18 G06F 113/16 G01R 31/00 (11) EP3379436 (21) EP18162079.0 (47) 05.10.2022 (22) 15.03.2018 (54) METHOD AND APPARATUS FOR TESTING DESIGN OF SATELLITE WIRING HARNESS AND SIGNAL PROCESSING UNITS
(51) G01Q 10/06 G01N 3/08 G01N 3/32 G01Q 60/36	(73) Computime Ltd (72) YILMAZ, Hamza CHOI, Hung Bun HO, Michael XU, Jerry ZHOU, FP TAO, Tom CHEN, ZH LIU, Kevin	(73) The Boeing Company (72) ANGELICO, Villy DALE, Timothy J. DUONG, Thanh P. HENROID, John L. KHAN, Adeel KROHN, Randall J. MAH, Roland MCLEAN, Jill
(11) EP3788386 (21) EP19759105.0 (47) 05.10.2022 (87) US2019044952 13.02.2020 (22) 02.08.2019 (54) NANOSCALE DYNAMIC MECHANICAL ANALYSIS VIA ATOMIC FORCE MICROSCOPY (AFM-NDMA)	(31) 201815985187 201762551334 P (32) 21.05.2018 29.08.2017 (33) United States of America	
(73) Bruker Nano, Inc. (72) OSECHINSKIY, Sergey RUITER, Anthonius PITTENGER, Bede SYED-AMANULLA, Syed-Asif		
(31) 201862769905 P 201862715166 P		

TRAPP, Bradley J.	Japan	SILVA, Anthony J.
(31) 201715469137	(51) G01R 33/36	(31) 201615094439
(32) 24.03.2017	G01R 33/60	(32) 08.04.2016
(33) United States of America	H03K 5/135	(33) United States of America
(51) G01R 31/34	G01N 24/10	(51) G01S 7/41
G01R 31/12	(11) EP3454052	G01S 13/90
H02K 11/27	(21) EP16900829.9	(11) EP3457168
H02P 29/032	(47) 05.10.2022	(21) EP18195307.6
(11) EP3470858	(87) CN2016081119	(47) 05.10.2022
(21) EP17196613.8	09.11.2017	(22) 18.09.2018
(47) 05.10.2022	(22) 05.05.2016	(54) METHOD OF MITIGATING ARTIFACTS
(22) 16.10.2017	(54) MAGNETIC RESONANCE	DUE TO BOW WAVES OR STERN
(54) MOTOR DRIVE ASSEMBLY	SPECTROMETER AND CONTROL	WAKE ON RADAR IMAGES OF A
(73) Hamilton Sundstrand Corporation	APPARATUS FOR MAGNETIC	VESSEL
(72) DUBOIS, Fabien	RESONANCE SPECTROMETER	(73) Thales
KONJEDIC, Tine	BASED ON FPGA	(72) BON, Nicolas
(51) G01R 31/36	(73) University of Science and Technology of	GENIN, Jean-Baptiste
G01R 15/12	China	SIMON, Mathieu
G01R 27/00	(72) RONG, Xing	(31) 1700942
G01R 27/02	SHI, Zhifu	(32) 18.09.2017
G01R 27/08	QIN, Xi	(33) France
H01M 10/48	XIE, Yijin	(51) G01S 7/4863
G01R 31/389	WANG, Lin	G01S 7/4865
(11) EP3317683	JIANG, Zhen	G01S 7/497
(21) EP16818536.1	DU, Jiangfeng	G01S 17/894
(47) 05.10.2022	(51) G01R 33/48	(11) EP3816662
(87) US2016039533	G01R 33/565	(21) EP19306416.9
05.01.2017	G01R 33/58	(47) 05.10.2022
(22) 27.06.2016	G01T 1/29	(22) 31.10.2019
(54) ENERGY STORAGE CELL IMPEDANCE	(11) EP3060934	(54) DEPTH MAP SENSOR WITH BIN
MEASURING APPARATUS, METHODS	(21) EP14802714.7	ROTATION
AND RELATED SYSTEMS	(47) 05.10.2022	(73) STMicroelectronics (Research &
(73) Battelle Energy Alliance, LLC	(87) IB2014065460	Development) Limited
(72) MORRISON, John L.	30.04.2015	STMicroelectronics (Grenoble 2) SAS
MORRISON, William H.	(22) 20.10.2014	(72) HRISTOVA, Ivelina
CHRISTOPHERSEN, Jon P.	(54) MRI WITH IMPROVED SEGMENTATION	MELLOTT, Pascal
(31) 201514789959	IN THE PRESENCE OF	DUTTON, Neale
(32) 01.07.2015	SUSCEPTIBILITY ARTIFACTS	(51) G01S 7/497
(33) United States of America	(73) Koninklijke Philips N.V.	G01S 17/42
(51) G01R 31/52	University Hospitals Medical Group, Inc.	G02B 26/10
G01R 31/12	(72) STEINBACH, Oliver Claus	G02B 26/12
H01H 9/50	KOHAN, Andres Alejandro	G01S 7/481
H01H 33/26	RUBBERT, Christian	G01S 17/10
G01R 19/00	(31) 201361893913 P	G02B 27/00
G01R 19/165	(32) 22.10.2013	G01S 7/484
G01R 29/26	(33) United States of America	(11) EP3477332
H02H 1/00	(51) G01S 5/00	(21) EP17814826.8
(11) EP3779479	G01S 5/02	(47) 05.10.2022
(21) EP19785901.0	(11) EP2677335	(87) IB2017000922
(47) 05.10.2022	(21) EP12172912.3	28.12.2017
(87) JP2019015780	(47) 05.10.2022	(22) 07.08.2017
17.10.2019	(22) 21.06.2012	(54) LASER SCANNING SENSOR
(22) 11.04.2019	(54) Improving positioning accuracy of	(73) Optex Co., Ltd.
(54) DISTRIBUTION BOARD	location tracking system	(72) IWASAWA, Masashi
(73) Nitto Kogyo Corporation	(73) 9Solutions Oy	KATSUMI, Keisuke
(72) MIYAMOTO Atsushi	(72) Pesonen, Arto	CHO, Seongho
ITO Hiroyuki	(51) G01S 7/03	(51) G01S 13/34
(31) 2019013182	(11) EP3440476	G01S 13/42
2018213066	(21) EP17718222.7	G01S 13/58
2018077464	(47) 05.10.2022	G01S 7/35
2018077463	(87) US2017025696	G01S 13/931
(32) 29.01.2019	12.10.2017	G01S 13/536
13.11.2018	(22) 03.04.2017	G01S 13/02
13.04.2018	(54) SWITCHABLE TRANSMIT/RECEIVE (T/	(11) EP3155444
13.04.2018	R) MODULE	(21) EP15722979.0
(33) Japan	(73) Raytheon Company	(47) 05.10.2022
Japan	(72) EVANGELISTA, Steven C.	(87) EP2015059897
Japan	LAIGHTON, Christopher M.	17.12.2015

(22) 06.05.2015	(21) EP19218975.1	201762520892 P
(54) METHOD FOR OBJECT LOCATION WITH AN FMCW-RADAR	(47) 05.10.2022	(32) 05.06.2018
(73) Robert Bosch GmbH	(22) 20.12.2019	16.06.2017
(72) SCHOOR, Michael LOESCH, Benedikt	(54) MATERIAL COMPOSITE FOR DETECTING FREE NEUTRONS WITH AN EFFECTIVE CORE CHARGE NUMBER SIMILAR TO HUMAN BODY TISSUE BY USING BERYLLIUM OXIDE AND LITHIUM TETRABORATE; DOSIMETER; METHOD FOR DETECTING FREE NEUTRONS	(33) United States of America United States of America
(31) 102014213190 102014210993	(73) Mirion Technologies (AWST) GmbH	(51) G01V 1/38 G01V 1/04 G01V 1/09
(32) 08.07.2014 10.06.2014	(72) Scheubert, Peter Georg Kormoll, Thomas	(11) EP3092514 (21) EP15768582.7 (47) 05.10.2022 (87) US2015010719 01.10.2015
(33) Germany Germany	(51) G01T 1/29	(22) 09.01.2015
(51) G01S 13/86 G01S 13/931 G01S 17/931 G01S 13/58	(11) EP3377921 (21) EP16798720.5 (47) 05.10.2022 (87) EP2016078216 26.05.2017	(54) WIDE SOURCE SEISMIC TOWING CONFIGURATION
(11) EP3620818 (21) EP19191750.9 (47) 05.10.2022 (22) 14.08.2019	(22) 20.11.2016 (54) DETECTION VALUES DETERMINATION SYSTEM	(73) Reflection Marine Norge AS (72) WEMMENHOVE, Rik BARRAL, Nicolas HOWLID, Martin COSTE, Emmanuel
(54) ANNOTATION OF RADAR-PROFILES OF OBJECTS	(73) Koninklijke Philips N.V. (72) ROESSL, Ewald STEADMAN, BOOKER, Roger	(31) 201462018215 P 201461925519 P (32) 27.06.2014 09.01.2014 (33) United States of America United States of America
(73) Aptiv Technologies Limited (72) Laur, Michael H. Vijayan, Indu Balachandran, Divya Mangal, Nandita	(31) 15195557 (32) 20.11.2015 (33) European Patent Office (EPO)	(51) G01V 3/10 (11) EP3260889 (21) EP16175614.3 (47) 05.10.2022 (22) 22.06.2016 (54) METAL DETECTION APPARATUS
(31) 201816117709 201862724080 P	(51) G01V 1/30 (11) EP2728382 (21) EP13191799.9 (47) 05.10.2022 (22) 06.11.2013	(73) Mettler-Toledo Safeline Limited (72) Zhao, Yifei
(32) 30.08.2018 29.08.2018	(54) SPATIAL EXPANSION SEISMIC DATA PROCESSING METHOD AND APPARATUS	(51) G01V 8/20 F16P 3/14
(33) United States of America United States of America	(73) CGG Services SAS (72) Poole, Gordon (31) 201261722897 P (32) 06.11.2012 (33) United States of America	(11) EP3008500 (21) EP14729651.1 (47) 05.10.2022 (87) EP2014062008 18.12.2014
(51) G01S 13/87 G01S 13/93	(51) G01V 1/38 (11) EP3220167 (21) EP17305276.2 (47) 05.10.2022 (22) 14.03.2017	(22) 10.06.2014 (54) LIGHT GRID COMPONENT
(11) EP2729828 (21) EP12721471.6 (47) 05.10.2022 (87) EP2012058455 10.01.2013	(54) STEERING FOR COVERAGE IN SEISMIC SURVEYS	(73) Pilz Auslandsbeteiligungen GmbH (72) GULDIMANN, Dominik LOOP, Roger
(22) 08.05.2012	(73) Sercel (72) MOULINIER, Timothée MENSCH, Thomas	(31) 102013106185 (32) 13.06.2013 (33) Germany
(54) RADAR SYSTEM FOR MOTOR VEHICLES, AND MOTOR VEHICLE HAVING A RADAR SYSTEM	(31) 201662308345 P (32) 15.03.2016 (33) United States of America	(51) G02B 1/111 C23C 14/06 C23C 14/22 C03C 17/34
(73) Robert Bosch GmbH (72) BINZER, Thomas WALDSCHMIDT, Christian HELLINGER, Raphael	(51) G01V 1/38 (11) EP3639065 (21) EP18732726.7 (47) 05.10.2022 (87) EP2018065964 20.12.2018	(11) EP3332273 (21) EP16760134.3 (47) 05.10.2022 (87) FR2016052041 09.02.2017
(31) 102011078641 (32) 05.07.2011	(22) 15.06.2018 (54) SPATIAL DISTRIBUTION OF MARINE VIBRATORY SOURCES	(22) 05.08.2016 (54) ITEM HAVING OPTIMIZED ADHESIVE PROPERTIES AND COMPRISING A SILICON ORGANIC LAYER
(33) Germany	(73) PGS Geophysical AS (72) BEITZ, Manuel STRAND, Christian	(73) Essilor International (72) CHIAROTTO, Sébastien (31) 1557558 (32) 05.08.2015
(51) G01S 17/10 G01S 17/89 G01S 7/481 G01S 7/484	(31) 201816000542	
(11) EP3704510 (21) EP17829087.0 (47) 05.10.2022 (87) US2017066919 27.06.2019 18.12.2017		
(54) TIME-OF-FLIGHT SENSING USING AN ADDRESSABLE ARRAY OF EMITTERS		
(73) Apple Inc. (72) LAFLAQUIÈRE, Arnaud DRADER, Marc		
(51) G01T 1/10 (11) EP3839571		

(33) France	(31) 1600578	(21) EP17880568.5
(51) G02B 1/115	(32) 05.04.2016	(47) 05.10.2022
(11) EP3640688	(33) France	(87) KR2017014709
(21) EP18306374.2	(51) G02B 5/30	21.06.2018
(47) 05.10.2022	G02B 5/26	(22) 14.12.2017
(22) 18.10.2018	G02B 1/04	(54) OPTICAL LENS ASSEMBLY AND
(54) OPTICAL ARTICLE HAVING AN	(11) EP3485304	METHOD OF FORMING IMAGE USING
INTERFERENTIAL COATING WITH AN	(21) EP17828448.5	THE SAME
IMPROVED ABRASION-RESISTANCE	(47) 05.10.2022	(73) Samsung Electronics Co., Ltd.
(73) Essilor International	(87) US2017041891	(72) KWAK, Ho-keun
(72) EMPRIN, Benoit	18.01.2018	SEO, Jung-pa
MAITRE, Nicolas	(22) 13.07.2017	KANG, Byung-kwon
CHIAROTTO, Sébastien	(54) OPTICAL FILM	(31) 20160170414
(51) G02B 5/04	(73) 3M Innovative Properties Company	(32) 14.12.2016
G02F 1/1335	(72) NEVITT, Timothy J.	(33) Korea (Republic)
F21V 8/00	KIVEL, Edward J.	(51) G02B 15/10
(11) EP3165948	BLACK, William B.	G02B 21/02
(21) EP16197245.0	(31) 201662361618 P	G02B 21/24
(47) 05.10.2022	(32) 13.07.2016	G02B 26/08
(22) 04.11.2016	(33) United States of America	G02B 27/28
(54) BACKLIGHTING DEVICE	(51) G02B 6/02	G02B 21/36
(73) Samsung Electronics Co., Ltd.	G01D 5/353	(11) EP3682285
(72) MOROZOV, Alexander Viktorovich	G01B 11/16	(21) EP18855517.1
YANUSIK, Igor Vitalievich	(11) EP3742210	(47) 05.10.2022
LEE, Jin Ho	(21) EP20184050.1	(87) US2018041176
CHOI, Yoon Sun	(47) 05.10.2022	21.03.2019
(31) 20160004137	(22) 26.04.2017	(22) 08.07.2018
2015147647	(54) REDUNDANT CORE IN MULTICORE	(54) DYNAMIC FOCUS AND ZOOM
(32) 13.01.2016	OPTICAL FIBER FOR SAFETY	SYSTEM FOR USE WITH WIDE-FIELD,
05.11.2015	(73) Intuitive Surgical Operations, Inc.	CONFOCAL AND MULTIPHOTON
(33) Korea (Republic)	(72) FROGGATT, Mark	MICROSCOPES
Russian Federation	GIFFORD, Dawn	(73) Agile Focus Designs, LLC
(51) G02B 5/20	LACROIX, Jeffrey, T.	(72) LUKES, Sarah
C04B 35/44	ROYE, Patrick	(31) 201715706331
C09K 11/80	SANG, Alexander, K.	(32) 15.09.2017
F21V 5/04	(31) 201662334649 P	(33) United States of America
F21V 9/30	(32) 11.05.2016	(51) G02B 21/16
F21Y 115/30	(33) United States of America	G01N 21/64
C09K 11/77	(51) G02B 6/44	(11) EP2069761
F21S 41/16	A01M 29/30	(21) EP07788349.4
(11) EP3748406	B63B 21/12	(47) 05.10.2022
(21) EP18903664.3	E04H 17/00	(87) EP2007058291
(47) 05.10.2022	(11) EP3575840	10.04.2008
(87) JP2018044330	(21) EP17888433.4	(22) 09.08.2007
08.08.2019	(47) 05.10.2022	(54) METHOD AND APPARATUS FOR
(22) 03.12.2018	(87) CN2017114286	THE HIGHLY RESOLVED OPTICAL
(54) PHOSPHOR AND METHOD FOR	05.07.2018	SCANNING OF A SAMPLE
PRODUCING SAME	(22) 01.12.2017	(73) Leica Microsystems CMS GmbH
(73) Panasonic Intellectual Property	(54) ALL-DIELECTRIC SELF-SUPPORTING	(72) GUGEL, Hilmar
Management Co., Ltd.	OPTICAL CABLE LINE PROTECTIVE	(31) 102006047816
(72) TOYOTA Kei	DEVICE	(32) 07.10.2006
AKIYAMA, Shinnosuke	(73) State Grid Huzhou Power Supply	(33) Germany
MORI, Masato	Company	(51) G02B 26/00
(31) 2018013442	State Grid Corporation of China	G01J 1/00
(32) 30.01.2018	(72) ZANG, Wei	G01J 9/00
(33) Japan	WU, Yunpeng	H04N 5/374
(51) G02B 5/20	JIANG, Jianjun	A61B 3/10
G02B 26/02	ZHANG, Li	A61B 3/14
G02B 27/01	SHENG, Jianxiong	H04N 5/232
(11) EP3440485	WANG, Huawei	(11) EP3853653
(21) EP17715740.1	WEI, Xiaochu	(21) EP19790655.5
(47) 05.10.2022	ZHU, Junhao	(47) 05.10.2022
(87) EP2017058168	(31) 201611232381	(87) FR2019052160
12.10.2017	(32) 28.12.2016	26.03.2020
(22) 05.04.2017	(33) China	(22) 17.09.2019
(54) HEADS-UP DISPLAY	(51) G02B 13/00	(54) ADAPTIVE METHOD, SYSTEM
(73) Valeo Comfort and Driving Assistance	G03B 7/085	AND COMPUTER PROGRAM FOR
(72) PERSIANI, Vincent	(11) EP3532883	CAPTURING AN IMAGE

(73) CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) SORBONNE UNIVERSITE Ecole Normale Supérieure Université Paris Cité Université de Bourgogne Observatoire de Paris	(51) G02B 27/09 B23K 26/073 (11) EP3418794 (21) EP18176514.0 (47) 05.10.2022 (22) 07.06.2018 (54) MODULAR OPTICAL MODULAR SYSTEM FOR FOCUS-CLOSE BEAM DENSITY PARTITIONS WITH ALTERNATING BEAM DENSITY PROFILE	(11) EP3748422 (21) EP20177197.9 (47) 05.10.2022 (22) 28.05.2020 (54) DISPLAY PANEL AND DISPLAY APPARATUS INCLUDING THE SAME
(72) DARSON, David DUBOIS, Julien COLAS, François	(73) asphericon GmbH (72) Fuchs, Ulrike Kiontke, Sven Möhl, Anna	(73) LG Display Co., Ltd. (72) KANG, MinJoo SHIN, JooHwan KIM, Dohyung OH, MinHo
(31) 1858510 (32) 20.09.2018 (33) France	(31) 102017113945 (32) 23.06.2017 (33) Germany	(31) 20190066221 (32) 04.06.2019 (33) Korea (Republic)
(51) G02B 26/08 B81B 3/00 B81B 7/00 B81C 1/00	(51) G02C 7/06 (11) EP3454110 (21) EP17190470.9 (47) 05.10.2022 (22) 11.09.2017	(51) G02F 1/1335 (11) EP3519887 (21) EP17777047.6 (47) 05.10.2022
(11) EP2786193 (21) EP12798014.2 (47) 05.10.2022 (87) NL2012050845 06.06.2013 (22) 28.11.2012	(54) PROGRESSIVE ADDITION LENS AND METHOD FOR MANUFACTURING THEREOF	(87) EP2017074716 (22) 28.09.2017 (54) DISPLAY DEVICE FOR MOTOR VEHICLE AND MANUFACTURING PROCESS
(54) MEMS SCANNING MICROMIRROR	(73) Rupp + Hubrach Optik GmbH (72) STURM, Roman STEIN, Thorsten BISSINGER, Martin	(73) DAV (72) AUBRY, Anthony (31) 1659259 (32) 28.09.2016 (33) France
(73) Infineon Technologies AG (72) VAN LIEROP, Hendrikus Wilhelmus Leonardus Antonius SUIJLEN, Matthijs Alexander Gerard	(51) G02F 1/13 B32B 38/10 B32B 43/00 B32B 38/18	(51) G02F 1/1335 G02F 1/133 (11) EP3614199 (21) EP18900932.7 (47) 05.10.2022
(31) 2007886 (32) 29.11.2011 (33) Netherlands	(11) EP3435145 (21) EP17182803.1 (47) 05.10.2022 (22) 24.07.2017	(87) CN2018106945 25.07.2019 (22) 21.09.2018 (54) DISPLAY DEVICE
(51) G02B 27/01 G02B 27/00 G02B 27/42 G06T 19/00 F21V 8/00	(54) DEVICE AND METHOD FOR REMOVING FILM FROM A DISPLAY DEVICE	(73) Kunshan Go-Visionox Opto-Electronics Co., Ltd. (72) XUE, Xiaofei JIN, Bo ZHANG, Zhihua
(11) EP3566092 (21) EP18736639.8 (47) 05.10.2022 (87) IL2018050010 12.07.2018 (22) 03.01.2018	(73) Vestel Elektronik Sanayi ve Ticaret A.S. (72) AKOGLU, Mustafa Serkan KAYRAN, Özgür YILMAZ, Ozan TANRIVERDI, Ersin	(31) 201820089105 U (32) 19.01.2018 (33) China
(54) OPTICAL SYSTEM FOR NEAR-EYE DISPLAYS	(51) G02F 1/1333 G02F 1/1335 G02B 26/02 G02B 5/30 G02F 1/13	(51) G02F 1/1335 G02F 1/1337 G02B 5/30 (11) EP3719566 (21) EP18883306.5 (47) 05.10.2022
(73) Lumus Ltd. (72) RUBIN, Yuval SHARLIN, Elad	(87) KR2018004786 01.11.2018 (22) 25.04.2018 (54) OPTICAL DEVICE	(87) KR2018009966 06.06.2019 (22) 29.08.2018 (54) OPTICAL DEVICE
(31) 201762442070 P (32) 04.01.2017 (33) United States of America	(73) LG Chem, Ltd. (72) PARK, Ji Hoon YU, Hye Min PARK, Moon Soo LEE, Young Shin	(73) LG Chem, Ltd. (72) KIM, Jung Woon RYU, Su Young KIM, Tae Yong HUH, Doo Young JEON, Byoung Kun RYU, Sang Uk
(51) G02B 27/01 G06F 3/01 G06F 21/32 G06V 40/18 G06V 40/19	(31) 20170053017 (32) 25.04.2017 (33) Korea (Republic)	(31) 20170160762 (32) 28.11.2017 (33) Korea (Republic)
(11) EP3602399 (21) EP18771354.0 (47) 05.10.2022 (87) US2018024215 27.09.2018 (22) 23.03.2018	(51) G02F 1/1333 H01L 27/32	(51) G02F 1/13357 G02F 1/1333
(54) ACCUMULATION AND CONFIDENCE ASSIGNMENT OF IRIS CODES		
(73) Magic Leap, Inc. (72) KAEHLER, Adrian (31) 201762476513 P (32) 24.03.2017 (33) United States of America		

G02B 6/00	(47) 05.10.2022	(33) Japan
H04M 1/22	(87) CN2016093066	(51) G03B 21/602
F21K 9/20	11.01.2018	(11) EP3663852
F21V 5/02	(22) 03.08.2016	(21) EP17920256.9
F21V 7/00	(54) MANUFACTURING METHOD FOR TFT	(47) 05.10.2022
F21V 8/00	DEVICE OF LIQUID CRYSTAL DISPLAY	(87) CN2017114727
F21V 23/00	(73) Shenzhen China Star Optoelectronics	07.02.2019
F21Y 115/10	Technology Co. Ltd.	(22) 06.12.2017
(11) EP3640524	(72) GAO, Dongzi	(54) TOTAL REFLECTION SCREEN AND
(21) EP17909564.1	(31) 201610539705	PROJECTION SYSTEM
(47) 05.10.2022	(32) 08.07.2016	(73) Appotronics Corporation Limited
(87) CN2017089619	(33) China	(72) WANG, Lin
15.11.2018	(51) G03B 7/20	HU, Fei
(22) 22.06.2017	G03B 17/02	LI, Yi
(54) BACKLIGHT MODULE AND DISPLAY	G03B 17/14	(31) 201710662196
DEVICE	G03B 17/56	(32) 04.08.2017
(73) Wuhan China Star Optoelectronics	(11) EP3598220	(33) China
Technology Co., Ltd.	(21) EP19186532.8	(51) G03B 37/04
(72) XU, Pengbo	(47) 05.10.2022	G03B 21/13
(31) 201710334623	(22) 16.07.2019	(11) EP3506009
(32) 12.05.2017	(54) ACCESSORY, INTERCHANGEABLE	(21) EP18215342.9
(33) China	LENS AND CAMERA BODY	(47) 05.10.2022
(51) G02F 1/1362	(73) NIKON CORPORATION	(22) 21.12.2018
G02F 1/1335	(72) Kawai, Akihiko	(54) PROJECTOR, MULTI-PROJECTION
(11) EP3543778	(31) 2018135120	SYSTEM, AND METHOD FOR
(21) EP17825714.3	(32) 18.07.2018	CONTROLLING PROJECTOR
(47) 05.10.2022	(33) Japan	(73) Seiko Epson Corporation
(87) CN2017097746	(51) G03B 9/08	(72) Sato, Nozomi
17.05.2018	G03F 7/20	(31) 2017250339
(22) 17.08.2017	G03B 9/10	(32) 27.12.2017
(54) ARRAY SUBSTRATE AND	G03B 9/14	(33) Japan
MANUFACTURING METHOD	G02B 26/02	(51) G03F 7/00
THEREFOR, DISPLAY PANEL, AND	G03B 9/60	B33Y 70/00
DISPLAY DEVICE	(11) EP3575861	G03F 7/027
(73) BOE Technology Group Co., Ltd.	(21) EP18744361.9	(11) EP3781987
(72) YAO, Qi	(47) 05.10.2022	(21) EP19726228.0
CAO, Zhanfeng	(87) CN2018074089	(47) 05.10.2022
ZHANG, Feng	02.08.2018	(87) US2019028504
LI, Haixu	(22) 25.01.2018	24.10.2019
BAN, Shengguang	(54) SHUTTER DEVICE, METHOD	(22) 22.04.2019
LIU, Yingwei	OF CONTROLLING THE SAME,	(54) RADIATION CURABLE COMPOSITIONS
(31) 201610999719	PHOTOLITHOGRAPHY MACHINE, AND	FOR ADDITIVE FABRICATION
(32) 14.11.2016	METHOD FOR CONTROLLING AN	(73) Covestro (Netherlands) B.V.
(33) China	EXPOSURE DOSE THEREOF	(72) GOVINDARAJAN, Sudhanva
(51) G02F 1/1362	(73) Shanghai Micro Electronics Equipment	DRIESSEN, Marco Marcus Matheus
G02F 1/1339	(Group) Co., Ltd.	(31) 201862660621 P
G02F 1/1345	(72) JIANG, Zhiyong	(32) 20.04.2018
G02F 1/13	ZHANG, Fuping	(33) United States of America
G02F 1/1343	WANG, Yanfei	(51) G03F 7/00
(11) EP3497515	(31) 201710061013	G03F 7/038
(21) EP16880194.2	(32) 25.01.2017	G03F 7/032
(47) 05.10.2022	(33) China	(11) EP3396455
(87) CN2016094093	(51) G03B 17/02	(21) EP17168663.7
15.02.2018	G03B 17/18	(47) 05.10.2022
(22) 09.08.2016	G03B 17/56	(22) 28.04.2017
(54) DISPLAY PANEL, METHODS OF	H04N 5/232	(54) PHOTOCURABLE COMPOSITION
FABRICATING AND REPAIRING THE	(11) EP3699686	(73) Technische Universität Wien
SAME	(21) EP19874764.4	(72) Steyrer, Bernhard
(73) BOE Technology Group Co., Ltd.	(47) 05.10.2022	Stampfl, Jürgen
Hefei Xinsheng Optoelectronics	(87) JP2019033074	Liska, Robert
Technology Co., Ltd	25.06.2020	(51) G03F 7/004
(72) JIANG, Xuebing	(22) 23.08.2019	G03F 7/16
GAO, Jilei	(54) IMAGE-CAPTURING APPARATUS	(11) EP3896520
(51) G02F 1/1362	(73) Panasonic Intellectual Property	(21) EP21168191.1
H01L 27/12	Management Co., Ltd.	(47) 05.10.2022
G02F 1/1333	(72) HASHIMOTO, Shingo	(22) 12.10.2016
(11) EP3483649	(31) 2018237559	
(21) EP16907961.3	(32) 19.12.2018	



(54) ORGANOTIN OXIDE HYDROXIDE PATTERNING COMPOSITIONS, PRECURSORS, AND PATTERNING	United States of America	(54) SENSIBILITY FEEDBACK CONTROL DEVICE
(73) Inpria Corporation	(51) G03G 15/043	(73) KOBELCO CONSTRUCTION MACHINERY CO., LTD.
(72) MEYERS, Stephen T.	H04N 1/053	Hiroshima University
ANDERSON, Jeremy T.	H04N 1/113	(72) YAMAMOTO, Toru
CARDINEAU, Brian J.	(11) EP3722880	KINOSHITA, Takuya
EDSON, Joseph B.	(21) EP20169718.2	(31) 2018206633
JIANG, Kai	(47) 05.10.2022	(32) 01.11.2018
KESZLER, Douglas A.	(22) 28.05.2015	(33) Japan
TELECKY, Alan J.	(54) IMAGE-FORMING APPARATUS	(51) G05B 13/02
(31) 201662297540 P	(73) CANON KABUSHIKI KAISHA	G05B 17/02
201562240812 P	(72) KAWANA, Takashi	G05B 23/02
(32) 19.02.2016	ISHIHARA, Kazuyuki	(11) EP3859455
13.10.2015	TAKAYAMA, Yuuji	(21) EP21153436.7
(33) United States of America	UCHIDATE, Hikaru	(47) 05.10.2022
United States of America	TANAKA, Yoshihiko	(22) 26.01.2021
(51) G03F 7/20	FUKUHARA, Hiroyuki	(54) LEARNING APPARATUS, LEARNING METHOD, LEARNING PROGRAM, DETERMINATION APPARATUS, DETERMINATION METHOD, DETERMINATION PROGRAM, AND COMPUTER READABLE MEDIUM
(11) EP3510446	KUROKAWA, Shuichi	(73) Yokogawa Electric Corporation
(21) EP17755209.8	(31) 2014121882	(72) FUJII, Ryohei
(47) 05.10.2022	2014121883	LIN, Yanyan
(87) EP2017071509	(32) 12.06.2014	(31) 2020014710
15.03.2018	12.06.2014	(32) 31.01.2020
(22) 28.08.2017	(33) Japan	(33) Japan
(54) FLUID HANDLING STRUCTURE FOR LITHOGRAPHIC APPARATUS	Japan	(51) G05B 13/04
(73) ASML Netherlands B.V.	(51) G03G 21/18	G05B 17/02
(72) VAN DEN EIJNDEN, Pepijn	(11) EP3809207	(11) EP3850593
ROPS, Cornelius Maria	(21) EP20207385.4	(21) EP19765245.6
POLET, Theodorus Wilhelmus	(47) 05.10.2022	(47) 05.10.2022
KEUKENS, Floor Lodewijk	(22) 11.01.2007	(87) EP2019073815
TANASA, Gheorghe	(54) PROCESS CARTRIDGE AND IMAGE FORMING APPARATUS	19.03.2020
CORTIE, Rogier Hendrikus Magdalena	(73) CANON KABUSHIKI KAISHA	(22) 06.09.2019
CUYPERS, Koen	(72) YOSHIMURA, Akira	(54) METHOD FOR IMPROVING PREDICTION RELATING TO THE PRODUCTION OF A POLYMERIC PRODUCT
BUDDENBERG, Harold Sebastiaan	MURAYAMA, Kazunari	(73) Covestro Intellectual Property GmbH & Co. KG
GATTOBIGIO, Giovanni Luca	NITTANI, Susumu	(72) TABBI, Giuseppe, Teodoro, Maria
VAN VLIET, Evert	NUMAGAMI, Atsushi	WINDECK, Christian
TEN KATE, Nicolaas	(31) 2006346270	CLAUBERG, Karin
FRENCKEN, Mark Johannes Hermanus	2006004106	LOOF, Michael
VAN ERVE, Jantien Laura	(32) 22.12.2006	SCHOLZ, Roger
TEUNISSEN, Marcel Maria Cornelius	11.01.2006	(31) 18194409
Franciscus	(33) Japan	(32) 14.09.2018
(31) 16188325	Japan	(33) European Patent Office (EPO)
(32) 12.09.2016	(51) G04B 21/06	(51) G05B 17/02
(33) European Patent Office (EPO)	G04B 21/12	(11) EP3819723
(51) G03F 7/20	G04B 23/12	(21) EP19207034.0
H05G 2/00	(11) EP3839660	(47) 05.10.2022
H01S 3/09	(21) EP20208017.2	(22) 05.11.2019
G21K 1/06	(47) 05.10.2022	(54) SIMULATION METHOD AND SYSTEM FOR THE MANAGEMENT OF A PIPELINE NETWORK
B82Y 10/00	(22) 17.11.2020	(73) L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE
(11) EP2883112	(54) STRIKING MECHANISM, TIMEPIECE AND REGULATOR	(72) ROBA, Thierry
(21) EP13750012.0	(73) Bucherer AG	(51) G05B 19/042
(47) 05.10.2022	(72) MERDANOVIC, Samir	B29C 45/17
(87) EP2013066290	KAISER, Markus	(11) EP3465365
13.02.2014	(31) 15222019	(21) EP17726935.4
(22) 02.08.2013	(32) 02.12.2019	(47) 05.10.2022
(54) ILLUMINATION SYSTEM FOR AN EUV PROJECTION LITHOGRAPHIC PROJECTION EXPOSURE APPARATUS AND METHOD FOR OPERATING THE SAME	(33) Switzerland	
(73) Carl Zeiss SMT GmbH	(51) G05B 11/36	
(72) PATRA, Michael	E02F 9/20	
(31) 102012214063	A61B 5/18	
201261680754 P	G05B 13/02	
(32) 08.08.2012	E02F 1/00	
08.08.2012	B60W 40/08	
(33) Germany	(11) EP3855258	
	(21) EP19879978.5	
	(47) 05.10.2022	
	(87) JP2019041919	
	07.05.2020	
	(22) 25.10.2019	

(87) EP2017063046 07.12.2017	MIKOS,  PAULOVICS, Tams	(72) Hsu, Tien-Ya Jhang, You-Peng
(22) 30.05.2017	HORNBERGER, Szabina	Hsieh, Yu-Yuan
(54) PRODUCTION PLANT FOR PRODUCING A MULTIPLICITY OF ARTICLES, AND METHOD FOR CONTROLLING AND/OR MONITORING THE PRODUCTION PLANT	RTHY, Istvn KERN, Wolfgang PISZCZEK, Pascal RUSITSCHKA, Fabian	Huang, Yu-Jun
(73) Phoenix Contact GmbH & Co. KG	(31) 102016010983	(31) 108114223
(72) SCHTZ, Alexander	(32) 10.09.2016	(32) 24.04.2019
FALTINSKI, Sebastian	(33) Germany	(33) Taiwan, Province of China
BESTER, Marco	(51) G05B 23/02	(51) G05D 1/02
OBLOTZKI, Jrg	(11) EP3447595	G01C 21/20
(31) 102016209583	(21) EP17187406.8	B25J 9/16
(32) 01.06.2016	(47) 05.10.2022	(11) EP3680742
(33) Germany	(22) 23.08.2017	(21) EP18853401.0
(51) G05B 19/05	(54) METHOD FOR MONITORING AN INDUSTRIAL PLANT AND INDUSTRIAL CONTROL SYSTEM	(47) 05.10.2022
G06F 9/455	(73) ABB Schweiz AG	(87) JP2018030957
G06F 9/50	(72) Chioua, Moncef	14.03.2019
(11) EP3779622	Lucke, Matthieu	(22) 22.08.2018
(21) EP19774733.0	Hollender, Martin	(54) SELF-PROPELLED DEVICE, AND TRAVELLING CONTROL METHOD AND TRAVELLING CONTROL PROGRAM OF SELF-PROPELLED DEVICE
(47) 05.10.2022	Li, Nuo	(73) NSK Ltd.
(87) JP2019007967	Bauer, Reinhard	(72) MORI, Mayuko
03.10.2019	Harjunkoski, Iiro	TANOUE, Masaaki
(22) 28.02.2019	(51) G05B 23/02	TOBITA, Kazuteru
(54) CONTROL DEVICE	(11) EP3734385	OZAKI, Satoshi
(73) Hitachi Industrial Equipment Systems Co., Ltd.	(21) EP19172271.9	(31) 2017173390
(72) IMAI, Mitsuhiro	(47) 05.10.2022	2017173389
MOCHIZUKI, Yoshinori	(22) 02.05.2019	(32) 08.09.2017
TAMURA, Fumiyuki	(54) METHOD FOR COMPUTER- CONTROLLED PROCESSING OF CONDITION MESSAGES IN AN AUTOMATION SYSTEM	08.09.2017
(31) 2018066065	(73) Siemens Aktiengesellschaft	(33) Japan
(32) 29.03.2018	(72) Gross, Ralf	(51) G05D 1/02
(33) Japan	Klos, Hans-Henning	G06V 20/64
(51) G05B 19/401	Kohler, Benjamin	G06T 7/579
(11) EP3367190	Riedl, Wolfgang	(11) EP3453494
(21) EP18158217.2	Schnittger, Jens	(21) EP17810496.4
(47) 05.10.2022	(51) G05B 23/02	(47) 05.10.2022
(22) 22.02.2018	G05B 13/04	(87) KR2017005627
(54) WORK METHOD FOR A CARTESIAN MACHINE TOOL	G05B 17/02	14.12.2017
(73) HPT Sinergy S.r.l.	(11) EP3180667	(22) 30.05.2017
(72) PICCOLO, Gabriele	(21) EP15831478.1	(54) ELECTRONIC DEVICE, EXTERNAL SERVER, AND METHOD FOR CONTROLLING SAME
(31) 201700020977	(47) 05.10.2022	(73) Samsung Electronics Co., Ltd.
(32) 24.02.2017	(87) US2015043552	(72) PARK, Chan-Ju
(33) Italy	18.02.2016	JANG, Jun-Ik
(51) G05B 19/409	(22) 04.08.2015	(31) 20160070887
G06F 3/00	(54) SYSTEM AND METHOD FOR ADVANCED PROCESS CONTROL	(32) 08.06.2016
(11) EP3045990	(73) Honeywell International Inc.	(33) Korea (Republic)
(21) EP15151483.3	(72) PANDURANGAN, Gobinath	(51) G06F 1/16
(47) 05.10.2022	MANJUNATH, Kishen	G06F 1/20
(22) 16.01.2015	DAVE, Sanjay Kantilal	H01R 12/52
(54) Remote display of data with situation- dependent display change	(31) 201414459041	G06F 1/18
(73) Siemens Aktiengesellschaft	(32) 13.08.2014	G06F 13/40
(72) Scheuermann, Uwe	(33) United States of America	(11) EP3494453
(51) G05B 19/418	(51) G05D 1/02	(21) EP16918536.0
(11) EP3510456	A63B 55/60	(47) 05.10.2022
(21) EP17752290.1	(11) EP3731054	(87) US2016056319
(47) 05.10.2022	(21) EP19193652.5	19.04.2018
(87) EP2017000974	(47) 05.10.2022	(22) 11.10.2016
15.03.2018	(22) 26.08.2019	(54) EXPANSION CARD ASSEMBLY
(22) 14.08.2017	(54) SELF-DRIVING-GOLF-CART DRIVING PATH CENTRAL CONTROLLING DEVICE	(73) Hewlett-Packard Development Company, L.P.
(54) METHOD FOR ASSEMBLING AN OBJECT	(73) SUNRISE RESORT, INC.	(72) WILTZIUS, Andrew L
(73) Audi AG		EBNER, Robert J
AUDI HUNGARIA Zrt.		(51) G06F 1/30
(72) SCHMIDT, Jrg		G06F 1/26
		G06F 1/32

H04N 21/443	G06F 3/01	(31) 201662329719 P
H04N 21/442	G06V 20/59	201562232268 P
H04N 21/488	(11) EP3667458	(32) 29.04.2016
H04W 52/02	(21) EP19214618.1	24.09.2015
G06F 13/38	(47) 05.10.2022	(33) United States of America
G06F 13/42	(22) 09.12.2019	United States of America
H04L 65/612	(54) AIRCRAFT AND METHOD OF	(51) G06F 3/01
(11) EP3430495	CONTROLLING	G06F 3/0484
(21) EP17767271.4	(73) GE Aviation Systems Limited	G06F 3/0485
(47) 05.10.2022	(72) SCHWINDT, Stefan	G06F 1/16
(87) US2017022117	(31) 201820114	G02B 27/01
21.09.2017	(32) 11.12.2018	A61B 3/113
(22) 13.03.2017	(33) United Kingdom	G06F 3/03
(54) BROWN OUT CONDITION DETECTION	(51) G06F 3/01	G06F 3/042
AND MITIGATION	A61B 3/113	G06F 3/023
(73) Roku, Inc.	A61B 3/15	(11) EP3335096
(72) GARNER, Gregory	G06V 10/147	(21) EP16837677.0
WOOD, Anthony	G06V 40/19	(47) 05.10.2022
MARTIN, Simon	G06V 40/18	(87) US2016047105
STERN, David	G06V 40/60	23.02.2017
JOHNSON, Neil	(11) EP3811852	(22) 15.08.2016
(31) 201615070491	(21) EP19843409.4	(54) SYSTEM AND METHOD FOR
(32) 15.03.2016	(47) 05.10.2022	BIOMECHANICALLY-BASED EYE
(33) United States of America	(87) JP2019021186	SIGNALS FOR INTERACTING WITH
(51) G06F 1/3203	06.02.2020	REAL AND VIRTUAL OBJECTS
G06F 1/20	(22) 29.05.2019	(73) Google LLC
(11) EP3731063	(54) DEVICE, METHOD, AND PROGRAM	(72) MARGGRAFF, Lewis James
(21) EP20161587.9	FOR DETECTING GAZE	PUBLICOVER, Nelson George
(47) 05.10.2022	(73) JVCKenwood Corporation	CONNAUGHTON, Spencer James
(22) 06.03.2020	(72) HAYASHI, Takahiro	LORD, Nathan
(54) TECHNOLOGIES FOR PROVIDING	(31) 2018143732	MILFORD, Peter N.
ADAPTIVE POWER MANAGEMENT IN	(32) 31.07.2018	MALEEV, Ivan
AN ACCELERATOR SLED	(33) Japan	(31) 201662319751 P
(73) Intel Corporation	(51) G06F 3/01	201562252347 P
(72) BERNAT, Francesc Guim	G02B 27/00	201562205707 P
BALLE, Susanne M.	G02B 27/01	(32) 07.04.2016
SEN, Sujoy	G06T 3/00	06.11.2015
CUSTODIO, Evan	G09G 5/391	15.08.2015
DORMITZER, Paul H.	(11) EP3757727	(33) United States of America
(31) 201916394646	(21) EP20181994.3	United States of America
(32) 25.04.2019	(47) 05.10.2022	United States of America
(33) United States of America	(22) 24.06.2020	(51) G06F 3/01
(51) G06F 1/3234	(54) IMAGE RE-PROJECTION FOR	H01L 41/047
G06F 1/324	FOVEATED RENDERING	H03K 17/96
G06F 1/3228	(73) Tobii AB	(11) EP3619593
G06F 1/08	(72) Rönngren, Denny	(21) EP17816471.1
G06F 13/42	(31) 201916455225	(47) 05.10.2022
(11) EP3662349	(32) 27.06.2019	(87) EP2017079883
(21) EP18738162.9	(33) United States of America	31.01.2019
(47) 05.10.2022	(51) G06F 3/01	(22) 21.11.2017
(87) US2018038065	G06F 3/04815	(54) DEVICE PROVIDING HAPTIC
07.02.2019	G02B 27/01	FEEDBACK, AND COMPONENT
(22) 18.06.2018	G06F 3/03	COMPRISING SAID DEVICE
(54) SYSTEMS AND METHODS PROVIDING	G02B 27/00	(73) TDK Electronics AG
A LOW-POWER MODE FOR SERIAL	G06F 3/0485	(72) RAJAPURKAR, Aditya
LINKS	(11) EP3353632	PUCHLEITNER, Roman
(73) Qualcomm Incorporated	(21) EP16779265.4	NEUWIRTH, Daniel
(72) BUNCE, Robert Michael	(47) 05.10.2022	PRALL, Maximillian
COX, Carrie Ellen	(87) US2016053783	(31) 5014217 U
MOY, Victor Git-Han	30.03.2017	(32) 26.07.2017
(31) 201715666764	(22) 26.09.2016	(33) Austria
(32) 02.08.2017	(54) EYE-TRACKING ENABLED WEARABLE	(51) G06F 3/041
(33) United States of America	DEVICES	(11) EP2902888
(51) G06F 3/00	(73) Tobii AB	(21) EP14153766.2
G06K 9/00	(72) GUSTAFSSON, Simon	(47) 05.10.2022
G08G 5/00	BJÖRK, Henrik	(22) 04.02.2014
B64D 45/00	LINDH, Fredrik	(54) Touch panel calibration system
G08B 21/06	OLSSON, Anders	(73) Semtech Corporation

(72) Monney, Pascal Nys, Olivier	(31) 201715638654 201715638569 201715638522	Vembu, Balaji Galoppo von Borries, Nicolas C. Nurvitadhi, Eriko
(51) G06F 3/048 H04B 7/02 H04W 24/02 H04W 88/08	(32) 30.06.2017 30.06.2017 30.06.2017	Barik, Rajkishore Lin, Tsung-Han Ranganathan, Vasanth
(11) EP3637238 (21) EP19199757.6 (47) 05.10.2022 (22) 15.05.2014	(33) United States of America United States of America United States of America	Jahagirdar, Sanjeev Shpeisman, Tatiana
(54) SIGNAL DISTRIBUTION INTERFACE (73) Commscope Technologies LLC (72) ALDEN, Sandra D. HANSON, Van E. WILLIAMSON, Michael J.	(51) G06F 3/12 H04N 1/00 (11) EP3407179 (21) EP18173812.1 (47) 05.10.2022 (22) 23.05.2018	(31) 201715787129 201762491699 P (32) 18.10.2017 28.04.2017 (33) United States of America United States of America
(31) 201414277167 201361844057 P (32) 14.05.2014 09.07.2013 (33) United States of America United States of America	(54) IMAGE FORMING APPARATUS, SYSTEM, AND CONTROL METHOD (73) Ricoh Company, Limited (72) HAN, Xiaofeng (31) 2017103095 (32) 24.05.2017 (33) Japan	(31) 201715787129 201762491699 P (32) 18.10.2017 28.04.2017 (33) United States of America United States of America
(51) G06F 3/04883 G04G 9/00 G04G 21/02 G04G 21/04 G06F 1/16 G06F 9/451 (11) EP3612916 (21) EP18853706.2 (47) 05.10.2022 (87) KR2018010157 14.03.2019 (22) 31.08.2018 (54) ACCESSING DATA ITEMS ON A COMPUTING DEVICE (73) Samsung Electronics Co., Ltd. (72) THAPLIYAL, Rohit (31) 201711031414 (32) 05.09.2017 (33) India	(51) G06F 3/16 G11B 27/00 G11B 20/10 (11) EP3651012 (21) EP19208380.6 (47) 05.10.2022 (22) 25.05.2016 (54) MECHANISM FOR RETRIEVAL OF PREVIOUSLY CAPTURED AUDIO (73) Apple Inc. (72) MOORE, Jeffrey C. POWELL, Richard POWERS, Alexander GUETTA, Anthony (31) 201514885908 201562171753 P (32) 16.10.2015 05.06.2015 (33) United States of America United States of America	(51) G06F 7/58 H04L 9/08 (11) EP3861431 (21) EP19809611.7 (47) 05.10.2022 (87) IB2019058340 09.04.2020 (22) 01.10.2019 (54) DEVICE AND METHOD FOR GENERATING RANDOM BIT SEQUENCES (73) Caccia, Massimo Luigi Maria Paolucci, Lorenza (72) MALINVERNO, Luca CACCIA, Massimo Luigi Maria PAOLUCCI, Lorenza (31) 201800009064 (32) 01.10.2018 (33) Italy
(51) G06F 3/06 H04L 41/0893 H04L 49/50 (11) EP3441868 (21) EP18153186.4 (47) 05.10.2022 (22) 24.01.2018 (54) HIGH AVAILABILITY STORAGE POOL COMPOSE MECHANISM (73) Quanta Computer Inc. (72) WU, Feng-Kuang SHIH, Ching-Chih (31) 201715801904 201762544596 P (32) 02.11.2017 11.08.2017 (33) United States of America United States of America	(51) G06F 7/483 G06F 7/544 G06F 9/30 G06N 3/04 G06N 3/063 G06N 3/08 (11) EP3937004 (21) EP21195277.5 (47) 05.10.2022 (22) 26.03.2018 (54) INSTRUCTIONS AND LOGIC TO PERFORM FLOATING-POINT AND INTEGER OPERATIONS FOR MACHINE LEARNING (73) Intel Corporation (72) Kaul, Himanshu Anders, Mark A. Mathew, Sanu K. Yao, Anbang Ray, Joydeep Tang, Ping T. Strickland, Michael S. Chen, Xiaoming Appu, Abhishek R. Koker, Altug Sinha, Kamal	(51) G06F 8/61 (11) EP3596594 (21) EP18762954.8 (47) 05.10.2022 (87) US2018045774 16.05.2019 (22) 08.08.2018 (54) SYSTEM AND METHOD FOR AUTOMATICALLY SYNCHRONIZING RESPONSES TO CONDITIONS ON DEVICES (73) Google LLC (72) BROWN, Jeffrey GIESING, Kristopher MESCHKAT, Steffen GOKHALE, Alhaad (31) 201715808153 (32) 09.11.2017 (33) United States of America
(51) G06F 3/12 (11) EP3422272 (21) EP18179969.3 (47) 05.10.2022 (22) 26.06.2018 (54) MANAGING A FLEET OF DEVICES (73) Datamax-O'Neil Corporation (72) LEE, Phek Thong ACKLEY, H. Sprague CELINDER, Thomas	(51) G06F 9/30 (11) EP3757769 (21) EP20164786.4 (47) 05.10.2022 (22) 23.03.2020 (54) SYSTEMS AND METHODS TO SKIP INCONSEQUENTIAL MATRIX OPERATIONS (73) Intel Corporation (72) Ould-Ahmed-Vall, EIMoustapha Rash, William Maiyuran, Subramaniam George, Varghese Sankaran, Rajesh (31) 201916453724 (32) 26.06.2019	(51) G06F 9/30 (11) EP3757769 (21) EP20164786.4 (47) 05.10.2022 (22) 23.03.2020 (54) SYSTEMS AND METHODS TO SKIP INCONSEQUENTIAL MATRIX OPERATIONS (73) Intel Corporation (72) Ould-Ahmed-Vall, EIMoustapha Rash, William Maiyuran, Subramaniam George, Varghese Sankaran, Rajesh (31) 201916453724 (32) 26.06.2019

(33) United States of America	(54) PREDICTIVE SIMULATION SYSTEM AND METHOD FOR INJECTION MOLDING	SHEFFIELD, David B.
(51) G06F 9/30	(73) RJG, Inc.	(51) G06F 9/48
(11) EP3783478	(72) LU, Kuang-Yi	G06F 13/24
(21) EP20190131.1	(31) 201762595705 P	(11) EP3341839
(47) 05.10.2022	(32) 07.12.2017	(21) EP16840221.2
(22) 07.08.2020	(33) United States of America	(47) 05.10.2022
(54) MAPPING CONVOLUTION TO A MATRIX PROCESSOR UNIT	(51) G06F 9/46	(87) US2016049051
(73) Meta Platforms, Inc.	(11) EP3596909	02.03.2017
(72) Diril, Abdulkadir Utku	(21) EP18717754.8	(22) 26.08.2016
Nair, Krishnakumar	(47) 05.10.2022	(54) MIGRATION BETWEEN CPU CORES
Mudigere, Dheevatsa	(87) US2018022856	(73) NetApp, Inc.
Wu, Olivia	20.09.2018	(72) PROSCH, Kent
Zadeh, Ehsan Khish Ardestani	(22) 16.03.2018	WEBER, Matthew
Hao, Yuchen	(54) DISTRIBUTED TRANSACTION MANAGEMENT IN A NETWORK SERVICE LAYER	BANERJEE, Arindam
(31) 201916543241	(73) Convida Wireless, LLC	MCDAVITT, Ben
(32) 16.08.2019	(72) SEED, Dale, N.	(31) 201514836331
(33) United States of America	CHEN, Zhuo	(32) 26.08.2015
(51) G06F 9/4401	LOEB, Shoshana	(33) United States of America
G06F 9/455	LY, Quang	(51) G06F 9/50
H04L 61/5014	MLADIN, Catalina, M.	(11) EP3777047
H04L 61/5038	FLYNN, William, Robert IV	(21) EP19722729.1
H04L 101/622	DIGIROLAMO, Rocco	(47) 05.10.2022
(11) EP3103016	(31) 201762472851 P	(87) US2019024809
(21) EP14704555.3	(32) 17.03.2017	03.10.2019
(47) 05.10.2022	(33) United States of America	(22) 29.03.2019
(87) EP2014052491	(51) G06F 9/48	(54) SYSTEM AND METHOD FOR RESOURCE MANAGEMENT AND RESOURCE ALLOCATION IN A SELF-OPTIMIZING NETWORK OF HETEROGENEOUS PROCESSING NODES
13.08.2015	G06F 9/38	(73) V2COM S.A.
(22) 07.02.2014	(11) EP3563235	(72) SPINA, Guilherme
(54) VIRTUALIZED APPLICATION CLUSTER	(21) EP16925260.8	DE MOURA ROCHA LIMA, Leonardo
(73) Telefonaktiebolaget LM Ericsson (publ)	(47) 05.10.2022	(31) 201862650659 P
(72) WOERNLE, Peter	(87) US2016069640	(32) 30.03.2018
CATREIN, Daniel	05.07.2018	(33) United States of America
MARTÍNEZ PERALLÓN, Rosa María	(22) 31.12.2016	(51) G06F 11/00
QUINET, Raphael	(54) SYSTEMS, METHODS, AND APPARATUSES FOR HETEROGENEOUS COMPUTING	B60R 16/02
(51) G06F 9/455	(73) Intel Corporation	E02F 9/20
G06F 9/445	(72) SANKARAN, Rajesh M.	G06F 8/65
G06F 8/61	NEIGER, Gilbert	(11) EP3321805
G05B 19/042	RANGANATHAN, Narayan	(21) EP16836976.7
G06F 9/4401	VAN DOREN, Stephen R.	(47) 05.10.2022
(11) EP3596603	NUZMAN, Joseph	(87) JP2016072725
(21) EP18707309.3	MCDONNELL, Niall D.	23.02.2017
(47) 05.10.2022	O'HANLON, Michael A.	(22) 03.08.2016
(87) EP2018053898	MOSUR, Lokpraveen B.	(54) CONSTRUCTION MACHINE AND PROGRAM REWRITING SYSTEM PROVIDED WITH SAME
20.09.2018	DRYSDALE, Tracy Garrett	(73) Kobelco Construction Machinery Co., Ltd.
(22) 16.02.2018	NURVITADHI, Eriko	(72) MORI, Hisanobu
(54) METHOD FOR OPERATING AN AUTOMATION SYSTEM AND AUTOMATION SYSTEM OPERATING ACCORDING TO THE METHOD	MISHRA, Asit K.	(31) 2015162519
(73) Siemens Aktiengesellschaft	VENKATESH, Ganesh	(32) 20.08.2015
(72) KAEFER, Gerald	MARR, Deborah T.	(33) Japan
KOHLER, Benjamin	CARTER, Nicholas P.	(51) G06F 11/22
(31) 17161107	PEARCE, Jonathan D.	(11) EP3812908
(32) 15.03.2017	GROCHOWSKI, Edward T.	(21) EP20204930.0
(33) European Patent Office (EPO)	GRECO, Richard J.	(47) 05.10.2022
(51) G06F 9/455	VALENTINE, Robert	(22) 30.10.2020
G06F 30/20	CORBAL, Jesus	(54) METHOD AND APPARATUS FOR TESTING ARTIFICIAL INTELLIGENCE CHIP, DEVICE AND STORAGE MEDIUM
B29C 45/77	FLETCHER, Thomas D.	(73) Beijing Baidu Netcom Science and Technology Co., Ltd.
B29C 45/76	BRADFORD, Dennis R.	KunlunXin Technology (Beijing) Company Limited
G06T 17/00	MANLEY, Dwight P.	
G06F 113/22	CHARNEY, Mark J.	
(11) EP3721343	COOK, Jeffrey J.	
(21) EP18887110.7	CAPRIOLI, Paul	
(47) 05.10.2022	YAMADA, Koichi	
(87) US2018064004	GLOSSOP, Kent D.	
13.06.2019		
(22) 05.12.2018		

(72) GUO, Ziyu	(21) EP14879604.8	(22) 22.08.2018
(31) 201911420462	(47) 05.10.2022	(54) ASSOCIATING A USER VOICE QUERY WITH HEAD DIRECTION
(32) 31.12.2019	(87) US2014063986	(73) Motorola Solutions, Inc.
(33) China	30.07.2015	(72) LIM, Bing Qin,
(51) G06F 11/30	(22) 05.11.2014	KUAN, Lui Loon Stephen,
H04L 9/40	(54) MEMORY INTEGRITY	(31) 201715695273
(11) EP3629181	(73) Intel Corporation	(32) 05.09.2017
(21) EP19210119.4	(72) DURHAM, David M.	(33) United States of America
(47) 05.10.2022	LONG, Men	<hr/>
(22) 24.01.2013	(31) 201314097414	(51) G06F 16/93
(54) PRIVILEGED ACCESS AUDITING	(32) 05.12.2013	H04W 12/082
(73) SSH Communications Security Oyj	(33) United States of America	H04W 12/084
(72) YLÖNEN, Tatu J.	(51) G06F 13/40	H04W 12/086
LAVITT, Samuel Douglas	G06F 1/16	G06F 21/60
(31) 201261589888 P	(11) EP3262521	G06F 21/62
(32) 24.01.2012	(21) EP16708563.8	H04L 29/06
(33) United States of America	(47) 05.10.2022	(11) EP3274813
(51) G06F 12/1027	(87) US2016018889	(21) EP16769754.9
G06F 12/1036	01.09.2016	(47) 05.10.2022
G06F 12/1009	(22) 22.02.2016	(87) US2016024171
G06F 13/16	(54) MULTI-FUNCTION PORTS ON A	29.09.2016
G06F 13/40	COMPUTING DEVICE	(22) 25.03.2016
(11) EP3614270	(73) Google LLC	(54) ACCESS FILES
(21) EP19202984.1	(72) BOWERS, Andrew C.	(73) VERA
(47) 05.10.2022	TANNER, James	(72) LINGA, Prakash
(22) 29.03.2018	CLAYTON, Joseph Edward	ARORA, Ajay
(54) APPARATUS AND METHOD	HAYTER, Mark D.	BUZUEV, Vladimir
FOR MEMORY MANAGEMENT	LYON, Christopher	EVANS, Maurice, C.
IN A GRAPHICS PROCESSING	SCHNEIDER, David Ness	SISLEY, Justin
ENVIRONMENT	(31) 201514634352	(31) 201514939226
(73) Intel Corporation	201514634330	201562137920 P
(72) COORAY, Niranjan L.	(32) 27.02.2015	(32) 12.11.2015
APPU, Abhishek R.	27.02.2015	25.03.2015
KOKER, Altug	(33) United States of America	(33) United States of America
RAY, Joydeep	United States of America	<hr/>
VEMBU, Balaji	(51) G06F 15/16	(51) G06F 16/9535
K, Pattabhiraman	H04L 12/18	G06F 16/9537
PUFFER, David	G06F 3/01	G06F 21/62
COWPERTHWAITTE, David J.	H04N 7/15	(11) EP3748519
SANKARAN, Rajesh M.	H04M 3/56	(21) EP20184080.8
SINGH, Satyeshwar	H04M 3/527	(47) 05.10.2022
KP, Sameer	H04L 65/401	(22) 11.08.2017
SHAH, Ankur N.	H04L 65/403	(54) CONDITIONAL DISCLOSURE OF
TIAN, Kun	(11) EP3417380	INDIVIDUAL-CONTROLLED CONTENT
(31) 201715482690	(21) EP17752744.7	IN GROUP CONTEXTS
(32) 07.04.2017	(47) 05.10.2022	(73) Google LLC
(33) United States of America	(87) IB2017050336	(72) HORLING, Bryan
(51) G06F 12/14	24.08.2017	QUAH, Wan Fen Nicole
(11) EP3357761	(22) 23.01.2017	GARRETT, Maryam
(21) EP16850902.4	(54) RECORDING WEB CONFERENCES	HE, Ruijie
(47) 05.10.2022	(73) GONG.IO LTD.	(31) 201615252019
(87) JP2016073030	(72) RESHEF, Eilon	(32) 30.08.2016
06.04.2017	BENDOV, Amit	(33) United States of America
(22) 05.08.2016	(31) 201615275397	<hr/>
(54) IN-VEHICLE CONTROL DEVICE	201662296107 P	(51) G06F 17/15
(73) Hitachi Astemo, Ltd.	(32) 25.09.2016	F02C 9/58
(72) ITO Shingo	17.02.2016	G01P 3/46
GOTO Kosei	(33) United States of America	G05B 11/01
FUKUDA Takeshi	United States of America	G05B 19/416
(31) 2015192513	(51) G06F 16/00	H03H 21/00
(32) 30.09.2015	G06F 3/01	(11) EP3735644
(33) Japan	G06F 3/16	(21) EP19703143.8
(51) G06F 12/14	G06F 16/9032	(47) 05.10.2022
G06F 12/06	(11) EP3669277	(87) FR2019050010
G06F 21/64	(21) EP18765775.4	11.07.2019
G06F 21/52	(47) 05.10.2022	(22) 04.01.2019
G06F 21/55	(87) US2018047416	(54) ADAPTIVE FILTERING METHOD
(11) EP3077913	14.03.2019	(73) SAFRAN AIRCRAFT ENGINES
		(72) DJELASSI, Cedrik

(31) 1850032	(33) Korea (Republic)	(22) 07.05.2020
(32) 04.01.2018	(51) G06F 21/56	(54) BLOCKCHAIN
(33) France	H04L 9/32	(73) Cambridge Cryptographic Ltd
(51) G06F 21/10	G06F 16/901	(72) CHAN, Ying
H04L 9/32	G06N 3/04	FLETCHER, John
(11) EP3673390	G06N 3/08	(51) G06F 21/64
(21) EP19740723.2	H04L 9/40	H04L 9/32
(47) 05.10.2022	G06N 20/00	(11) EP3797375
(87) CN2019087600	(11) EP3899770	(21) EP20725743.7
25.07.2019	(21) EP20753862.0	(47) 05.10.2022
(22) 20.05.2019	(47) 05.10.2022	(87) CN2020076474
(54) IDENTIFYING COPYRIGHTED	(87) SG2020050441	22.05.2020
MATERIAL USING EMBEDDED	16.09.2021	(22) 24.02.2020
COPYRIGHT INFORMATION	(22) 30.07.2020	(54) BLOCKCHAIN-BASED CONSENSUS
(73) Advanced New Technologies Co., Ltd.	(54) SYSTEM AND METHOD FOR	PROCESS
(72) LI, Zhiguo	DETECTING DATA ANOMALIES	(73) Alipay (Hangzhou) Information
(51) G06F 21/30	BY ANALYSING MORPHOLOGIES	Technology Co., Ltd.
G06F 21/45	OF KNOWN AND/OR UNKNOWN	(72) PENG, Yujun
H04W 12/041	CYBERSECURITY THREATS	(51) G06F 30/367
H04W 12/08	(73) FLEXXON PTE. LTD.	(11) EP2954456
H04W 12/61	(72) CHAN, Mei Ling	(21) EP13874719.1
H04W 4/70	BOUGUERRA, Nizar	(47) 05.10.2022
G06F 21/31	(31) 10202002125Q	(87) US2013024980
(11) EP3825880	202016946245	14.08.2014
(21) EP19210364.6	(32) 09.03.2020	(22) 06.02.2013
(47) 05.10.2022	11.06.2020	(54) GENERATING ONE-LINE ELECTRICAL
(22) 20.11.2019	(33) Singapore	NETWORK DIAGRAMS
(54) PROTECTED IOT DEVICE RESET	United States of America	(73) Schneider Electric USA, Inc.
(73) Siemens Energy Global GmbH & Co. KG	(51) G06F 21/62	(72) MCQUILLAN, Jayme, Lee
(72) Falk, Rainer	H04L 9/40	(51) G06K 9/00
Nagel, Felix	H04W 4/14	G01B 11/00
Winter, Christian	H04W 12/08	G06F 3/01
(51) G06F 21/31	G06Q 20/38	G06T 7/00
G06F 21/62	G06Q 20/32	G03B 35/04
G06F 21/36	G06F 21/42	(11) EP3291052
G06K 9/62	(11) EP3144844	(21) EP16786192.1
(11) EP3271868	(21) EP16184845.2	(47) 05.10.2022
(21) EP16769375.3	(47) 05.10.2022	(87) JP2016056191
(47) 05.10.2022	(22) 19.08.2016	03.11.2016
(87) US2016022930	(54) SHORT MESSAGE SERVICE READING	(22) 01.03.2016
29.09.2016	METHOD AND DEVICE	(54) IMAGE PROCESSING DEVICE,
(22) 17.03.2016	(73) Xiaomi Inc.	IMAGE PROCESSING METHOD, AND
(54) METHOD AND APPARATUS FOR	(72) BAO, Xiehao	PROGRAM
VERIFYING IMAGES BASED ON	ZHANG, Jianchun	(73) Sony Group Corporation
IMAGE VERIFICATION CODES	ZHAO, Jiankai	(72) NAKATANI, Ayaka
(73) Alibaba Group Holding Limited	(31) 201510600885	HIRASAWA, Yasutaka
(72) JIANG, Bo	(32) 18.09.2015	KONDO, Yuhi
LIU, Guilin	(33) China	LU, Ying
(31) 201510124938	(51) G06F 21/64	(31) 2015093070
(32) 20.03.2015	(11) EP2748721	(32) 30.04.2015
(33) China	(21) EP12826301.9	(33) Japan
(51) G06F 21/32	(47) 05.10.2022	(51) G06K 19/02
G09G 3/3208	(87) US2012052554	G06K 19/07
(11) EP3382586	28.02.2013	(11) EP3770813
(21) EP18164456.8	(22) 27.08.2012	(21) EP20194156.4
(47) 05.10.2022	(54) MOBILE SOLUTION FOR SIGNING	(47) 05.10.2022
(22) 28.03.2018	AND RETAINING THIRD-PARTY	(22) 10.12.2015
(54) DISPLAY DEVICE WITH FINGERPRINT	DOCUMENTS	(54) DISPLAY DEVICE FOR DISPLAYING
DETECTION AND METHOD OF	(73) DocuSign, Inc.	PRICE AND / OR PRODUCT
DRIVING THE DISPLAY DEVICE	(72) GONSER, Thomas, H.	INFORMATION
(73) Samsung Display Co., Ltd.	PETERSON, Donald, G.	(73) SES-Imagotag GmbH
(72) Kim, Jin Woo	(31) 201161527406 P	(72) Rößl, Andreas
Kwag, Jin Oh	(32) 25.08.2011	(51) G06K 19/02
In, Hai Jung	(33) United States of America	G06K 19/07
Choe, Won Jun	(51) G06F 21/64	(11) EP3770814
(31) 20170041675	(11) EP3907644	(21) EP20194157.2
(32) 31.03.2017	(21) EP20275088.1	(47) 05.10.2022
	(47) 05.10.2022	

(22) 10.12.2015	G06F 9/48	(22) 16.08.2019
(54) DISPLAY DEVICE FOR DISPLAYING PRICE AND / OR PRODUCT INFORMATION	G06N 3/063	(54) AN APPARATUS AND METHOD FOR CONFIGURING A COMMUNICATION LINK
(73) SES-Imagotag GmbH	H03K 19/177	(73) Airspan IP Holdco LLC
(72) Rößl, Andreas	(11) EP3590077	(72) LOGOTHETIS, Andrew
(51) G06K 19/02	(21) EP18706141.1	PARROTT, Stuart
G06K 19/07	(47) 05.10.2022	LIVINGSTONE, Michael David
(11) EP3770815	(87) US2018017312	KHAN, Qasim
(21) EP20194158.0	07.09.2018	(31) 201816253
(47) 05.10.2022	(22) 08.02.2018	(32) 05.10.2018
(22) 10.12.2015	(54) NEURAL NETWORK PROCESSING WITH MODEL PINNING	(33) United Kingdom
(54) DISPLAY DEVICE FOR DISPLAYING PRICE AND / OR PRODUCT INFORMATION	(73) Microsoft Technology Licensing, LLC	
(73) SES-Imagotag GmbH	(72) CHUNG, Eric S.	(51) G06N 7/00
(72) Rößl, Andreas	BURGER, Douglas C.	H03M 13/11
(51) G06K 19/02	FOWERS, Jeremy	(11) EP2715621
G06K 19/07	OVTCHAROV, Kalin	(21) EP12740674.2
(11) EP3770818	(31) 201715637664	(47) 05.10.2022
(21) EP20194163.0	201762465063 P	(87) IB2012052754
(47) 05.10.2022	(32) 29.06.2017	06.12.2012
(22) 10.12.2015	28.02.2017	(22) 31.05.2012
(54) DISPLAY DEVICE FOR DISPLAYING PRICE AND / OR PRODUCT INFORMATION	(33) United States of America	(54) METHOD FOR UPDATING A FACTOR GRAPH OF AN A POSTERIORI PROBABILITY ESTIMATOR
(73) SES-Imagotag GmbH	United States of America	(73) Politecnico Di Torino
(72) Rößl, Andreas	(51) G06N 3/063	(72) MONTORSI, Guido
(51) G06K 19/02	G06N 3/04	(31) TO20110477
G06K 19/07	G06F 15/173	(32) 31.05.2011
(11) EP3770818	(11) EP3496007	(33) Italy
(21) EP20194163.0	(21) EP17836414.7	(51) G06Q 20/34
(47) 05.10.2022	(47) 05.10.2022	G06Q 20/38
(22) 10.12.2015	(87) CN2017095810	G06Q 20/40
(54) DISPLAY DEVICE FOR DISPLAYING PRICE AND / OR PRODUCT INFORMATION	08.02.2018	G07F 7/08
(73) SES-Imagotag GmbH	(22) 03.08.2017	G05B 19/042
(72) Rößl, Andreas	(54) DEVICE AND METHOD FOR EXECUTING NEURAL NETWORK OPERATION	(11) EP3317832
(51) G06K 19/02	(73) Cambricon Technologies Corporation Limited	(21) EP16750896.9
G06K 19/077	(72) CHEN, Yunji	(47) 05.10.2022
(11) EP3899792	LIU, Shaoli	(87) FR2016051588
(21) EP19813060.1	HAN, Dong	05.01.2017
(47) 05.10.2022	CHEN, Tianshi	(22) 28.06.2016
(87) EP2019084085	(31) 201610635286	(54) MONITORING METHOD IMPLEMENTED BY AN ELECTRONIC DEVICE DURING A TRANSACTION, AND CORRESPONDING DEVICE
25.06.2020	(32) 05.08.2016	(73) IDEMIA France
(22) 06.12.2019	(33) China	(72) CHAMBEROT, Francis
(54) METHOD FOR MANUFACTURING A METAL RADIOFREQUENCY SMART CARD WITH IMPROVED ELECTROMAGNETIC PERMITTIVITY	(51) G06N 3/063	REZZELLI, Arezki
(73) Thales Dis France SAS	H03K 19/17748	(31) 1556131
(72) MENDEZ, Lucile	G06F 15/78	(32) 30.06.2015
SEBAN, Frédéric	(11) EP3824554	(33) France
COLOMBARD, Claude	(21) EP20761984.2	(51) G06Q 50/10
BUYUKKALENDER, Arek	(47) 05.10.2022	A63F 3/00
MERIDIANO, Jean-Luc	(87) US2020046287	G07F 17/32
(31) 18306803	18.02.2021	A63F 1/18
(32) 21.12.2018	(22) 14.08.2020	A63F 9/24
(33) European Patent Office (EPO)	(54) DUAL-MODE OPERATION OF APPLICATION SPECIFIC INTEGRATED CIRCUITS	A63F 11/00
(51) G06K 19/077	(73) Google LLC	(11) EP3693919
(11) EP3738078	(72) POPE, Reiner	(21) EP20164390.5
(21) EP18745846.8	(31) 201962886481 P	(47) 05.10.2022
(47) 05.10.2022	(32) 14.08.2019	(22) 02.08.2016
(87) EP2018069052	(33) United States of America	(54) MANAGEMENT SYSTEM FOR SUBSTITUTE CURRENCY FOR GAMING
18.07.2019	(51) G06N 3/08	(73) Angel Playing Cards Co., Ltd.
(22) 12.07.2018	H04W 72/04	(72) SHIGETA, Yasushi
(54) METHOD FOR MANUFACTURING A SIM CARD AND SIM CARD	H04B 1/00	(31) 2016030443
(73) Linxens Holding	(11) EP3861485	2015240631
(72) YEAP, Yean Wei	(21) EP19758476.6	2015163213
(31) PCT/IB2018/000086	(47) 05.10.2022	(32) 01.02.2016
(32) 12.01.2018	(87) GB2019052306	
(33) World Intellectual Property Office (WIPO)	09.04.2020	
(51) G06N 3/04		
H03K 19/17796		
G06N 3/08		
G06N 3/06		



19.11.2015	(73) Panasonic Intellectual Property Management Co., Ltd.	16.02.2017
03.08.2015	(72) NOZUE Yosuke	(22) 10.08.2016
(33) Japan	MAENO Kazuki	(54) MANAGING FEATURE DATA FOR ENVIRONMENT MAPPING ON AN ELECTRONIC DEVICE
Japan	YOSHIO Hiroaki	(73) Google LLC
(51) G06T 3/40	(31) 2016114480	(72) NERURKAR, Esha
(11) EP3772719	(32) 08.06.2016	HESCH, Joel
(21) EP20189190.0	(33) Japan	LYNEN, Simon
(47) 05.10.2022	(51) G06T 7/174	(31) 201514823283
(22) 03.08.2020	G06T 7/194	(32) 11.08.2015
(54) IMAGE PROCESSING APPARATUS, IMAGE PROCESSING METHOD, AND IMAGE PROCESSING PROGRAM	G06T 7/254	(33) United States of America
(73) Alpine Electronics, Inc.	(11) EP3798975	(51) G06V 10/44
(72) Suda, Ryohei	(21) EP20188063.0	(11) EP2423850
Honda, Keisuke	(47) 05.10.2022	(21) EP11177422.0
Matsuzaki, Chie	(22) 28.07.2020	(47) 05.10.2022
(31) 2019144115	(54) METHOD AND APPARATUS FOR DETECTING SUBJECT, ELECTRONIC DEVICE, AND COMPUTER READABLE STORAGE MEDIUM	(22) 12.08.2011
(32) 06.08.2019	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(54) Object recognition system and method
(33) Japan	(72) JIA, Yuhu	(73) Samsung Electronics Co., Ltd.
(51) G06T 5/00	(31) 201910930662	(72) Lee, Ji Hyo
G06T 5/10	(32) 29.09.2019	Roh, Kyung Shik
G06T 5/20	(33) China	(31) 20100084495
G06T 3/40	(51) G06T 7/30	(32) 31.08.2010
(11) EP3942518	G06T 7/33	(33) Korea (Republic)
(21) EP20904266.2	G06T 7/80	(51) G07C 9/00
(47) 05.10.2022	G06T 3/40	(11) EP3486878
(87) CN2020094853	G01S 17/42	(21) EP18000904.5
16.12.2021	(11) EP3869461	(47) 05.10.2022
(22) 08.06.2020	(21) EP18937479.6	(22) 16.11.2018
(54) SYSTEMS AND METHODS FOR IMAGE PROCESSING	(47) 05.10.2022	(54) LOCKING SYSTEM AND METHOD FOR LOCKING A CONTAINER
(73) Guangzhou Computational Super-resolution Biotech Co., Ltd.	(87) JP2018038872	(73) Scan Global Logistics Commercial GmbH
(72) CHEN, Liangyi	23.04.2020	(72) Wegener, Norbert
LI, Haoyu	(22) 18.10.2018	Heier, Stefan
ZHAO, Weisong	(54) CALCULATION METHOD, CALCULATION PROGRAM, AND INFORMATION PROCESSING DEVICE	Foltyn, Peter
HUANG, Xiaoshuai	(73) FUJITSU LIMITED	(31) 102017010735
(51) G06T 7/00	(72) USHIJIMA, Satoru	(32) 20.11.2017
G06T 7/12	(51) G06T 11/00	(33) Germany
G06T 7/149	(11) EP3316221	(51) G07D 11/50
A61B 6/03	(21) EP16204123.0	(11) EP3057070
(11) EP3131058	(47) 05.10.2022	(21) EP16155032.2
(21) EP16158624.3	(22) 14.12.2016	(47) 05.10.2022
(47) 05.10.2022	(54) INTERPOLATED TOMOSYNTHESIS PROJECTION IMAGES	(22) 10.02.2016
(22) 04.03.2016	(73) General Electric Company	(54) MONEY HANDLING APPARATUS AND MONEY HANDLING METHOD
(54) WORKSTATION AND MEDICAL IMAGING APPARATUS INCLUDING THE SAME	(72) PALMA, Giovanni John Jacques	(73) GLORY LTD.
(73) Samsung Electronics Co., Ltd.	(31) 201615334025	(72) YAMASHITA, Minami
(72) JO, Hyun Hee	(32) 25.10.2016	EMOTO, Masaya
PARK, Seon Mi	(33) United States of America	(31) 2015025501
SHIN, Je Yong	(51) G06V 10/40	(32) 12.02.2015
YOO, Se Jin	G06T 7/73	(33) Japan
(31) 20150113187	G06T 7/70	(51) G08B 13/196
(32) 11.08.2015	G06T 7/593	H04N 7/00
(33) Korea (Republic)	G06T 7/521	(11) EP3584773
(51) G06T 7/00	G06T 7/246	(21) EP19180609.0
G06V 40/16	G06F 16/9537	(47) 05.10.2022
(11) EP3471055	G06F 16/583	(22) 17.06.2019
(21) EP17810146.5	G06F 16/58	(54) SURVEILLANCE CAMERA
(47) 05.10.2022	G06F 3/01	(73) i-PRO Co., Ltd.
(87) JP2017019865	G05D 1/02	(72) OGATA, Tsuyoshi
14.12.2017	(11) EP3335153	HARA, Daisuke
(22) 29.05.2017	(21) EP16757407.8	(31) 2018116387
(54) COMPARISON DEVICE AND COMPARISON METHOD	(47) 05.10.2022	(32) 19.06.2018
	(87) US2016046294	(33) Japan
		(51) G08B 17/10
		G08B 17/113
		G08B 5/36

(11) EP3267413	(47) 05.10.2022	CONTROL LOADING MECHANICAL
(21) EP17180013.9	(87) US2018045270	EFFECTS
(47) 05.10.2022	07.02.2019	(73) THALES
(22) 06.07.2017	(22) 03.08.2018	(72) DISPAGNE, Rémy
(54) SMOKE WARNING DEVICE	(54) SYSTEM AND METHOD FOR	LE GUILLOU, René
(73) ABB Schweiz AG	TRIGGERING AN ALARM DURING A	(31) 17306906
(72) Goldyn, Dirk	SENSOR JAMMING ATTACK	(32) 22.12.2017
Brangenberg, Florian	(73) Alarm.com Incorporated	(33) European Patent Office (EPO)
Grotensohn, Michael	(72) TRUNDLE, Stephen Scott	(51) G09B 23/28
Hujer, Vlastimil	REEDER, Alexander Lawrence	(11) EP3706101
Kozak, Milan	ALPERT, Charles Richard	(21) EP20160768.6
(31) 102016112349	WEINGART, Noah Robert	(47) 05.10.2022
(32) 06.07.2016	(31) 201762540760 P	(22) 03.03.2020
(33) Germany	(32) 03.08.2017	(54) LOW COST DUAL CONSOLE
(51) G08B 17/107	(33) United States of America	TRAINING SYSTEM FOR ROBOTIC
G08B 17/00	(51) G08C 23/04	SURGICAL SYSTEM OR ROBOTIC
G08B 29/18	G08C 25/00	SURGICAL SIMULATOR
(11) EP3779909	H02H 3/06	(73) Covidien LP
(21) EP19775165.4	H02J 7/00	(72) MEGLAN, Dwight
(47) 05.10.2022	H01M 10/42	(31) 202016797004
(87) JP2019012774	(11) EP3504696	201962813413 P
03.10.2019	(21) EP17842489.1	(32) 21.02.2020
(22) 26.03.2019	(47) 05.10.2022	04.03.2019
(54) FIRE DETECTION DEVICE	(87) CA2017050995	(33) United States of America
(73) Hochiki Corporation	01.03.2018	United States of America
(72) DOHI, Manabu	(22) 23.08.2017	(51) G09F 19/22
SHIMADZU, Tomohiko	(54) OPTICALLY COMMUNICATIVE	(11) EP2513704
WASHIZU, Keisuke	BATTERY MANAGEMENT SYSTEM	(21) EP10752464.7
(31) 2018062683	(73) Corvus Energy Inc.	(47) 05.10.2022
(32) 28.03.2018	(72) RONNE, Jerome	(87) US2010045027
(33) Japan	TSANG, Chi-Kiu	23.06.2011
(51) G08B 21/02	TANG, Siu Lun Isaac	(22) 10.08.2010
G08B 21/24	LOKHORST, David	(54) IMAGING DEVICE AND METHOD
(11) EP3682431	(31) 201662418705 P	(73) Universal City Studios LLC
(21) EP18765411.6	201662378597 P	(72) EDWARDS, Ross
(47) 05.10.2022	(32) 07.11.2016	LINAMEN, Tim
(87) EP2018073465	23.08.2016	(31) 837004
21.03.2019	(33) United States of America	287735 P
(22) 31.08.2018	United States of America	(32) 15.07.2010
(54) METHOD FOR OPERATING A MOTOR	(51) G08G 1/017	18.12.2009
VEHICLE HAVING AT LEAST ONE	(11) EP3709281	(33) United States of America
EXTERIOR CAMERA AND MOTOR	(21) EP20159420.7	United States of America
VEHICLE HAVING AT LEAST ONE	(47) 05.10.2022	(51) G09G 3/32
EXTERIOR CAMERA	(22) 25.02.2020	(11) EP3279888
(73) Motherson Innovations Company Limited	(54) VEHICLE TRACK PREDICTION	(21) EP15832678.5
(72) LIESENER, Alf	METHOD AND DEVICE, STORAGE	(47) 05.10.2022
GÖTTLICHER, Stefanie	MEDIUM AND TERMINAL DEVICE	(87) CN2015086004
(31) 102017121376	(73) Apollo Intelligent Driving Technology	06.10.2016
(32) 14.09.2017	(Beijing) Co., Ltd.	(22) 04.08.2015
(33) Germany	(72) PAN, Yifeng	(54) DETECTION CIRCUIT, DETECTION
(51) G08B 25/01	YANG, Xuguang	METHOD AND DRIVING SYSTEM
(11) EP3660801	JIANG, Feiyi	(73) BOE Technology Group Co., Ltd.
(21) EP19020658.1	CHEN, Zhongtao	(72) SONG, Danna
(47) 05.10.2022	LI, Yixian	WU, Zhongyuan
(22) 21.11.2019	(31) 201910185821	LIN, Junjie
(54) AUTOMATED CREATION OF AN	(32) 12.03.2019	GAI, Cuili
ACCIDENT REPORT	(33) China	WANG, Lirong
(73) Giesecke+Devrient Mobile Security	(51) G09B 9/00	SONG, Chen
GmbH	G09B 9/12	TSENG, Szuheung
(72) Grosser, Caroline	(11) EP3729408	(31) 201510157825
(31) 102018009360	(21) EP18827085.4	(32) 03.04.2015
(32) 28.11.2018	(47) 05.10.2022	(33) China
(33) Germany	(87) EP2018086230	(51) G09G 3/3233
(51) G08B 25/10	27.06.2019	H01L 29/786
H04K 3/00	(22) 20.12.2018	G09G 3/00
G08B 13/00	(54) METHOD, SYSTEM AND COMPUTER	G09G 3/3225
(11) EP3662459	PROGRAM PRODUCT FOR	H01L 27/32
(21) EP18756132.9	COMPENSATION OF SIMULATOR	(11) EP3441964

(21) EP18186953.8	B60R 13/08	G06F 40/58
(47) 05.10.2022	(11) EP3821425	H04R 1/10
(22) 02.08.2018	(21) EP19782657.1	(11) EP3598435
(54) DISPLAY DEVICE, ELECTRONIC DEVICE AND TRANSISTOR BODY- BIASING CIRCUIT	(47) 05.10.2022	(21) EP19187021.1
(73) LG Display Co., Ltd.	(87) FR2019051942	(47) 05.10.2022
(72) JUN, Jaehun	05.03.2020	(22) 18.07.2019
(31) 20170101323	(22) 20.08.2019	(54) METHOD FOR PROCESSING INFORMATION AND ELECTRONIC DEVICE
(32) 09.08.2017	(54) ACOUSTIC ATTENUATION PANEL WITH IMPROVED PERFORMANCE IN LOW AND MEDIUM FREQUENCIES	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(33) Korea (Republic)	(73) ArianeGroup SAS	(72) WANG, Bin
(51) G09G 3/3266	(72) TROCLET, Bernard	(31) 201810798319
H01L 27/32	GODART, Pierre	(32) 19.07.2018
(11) EP3477626	(31) 1857684	(33) China
(21) EP18181141.5	(32) 27.08.2018	(51) G10L 15/22
(47) 05.10.2022	(33) France	G06F 3/16
(22) 02.07.2018	(51) G10K 11/172	(11) EP3296989
(54) OLED DISPLAY PANEL AND OLED DISPLAY DEVICE	(11) EP3039672	(21) EP17184828.6
(73) LG Display Co., Ltd.	(21) EP14786988.7	(47) 05.10.2022
(72) KIM, Kyung-Min	(47) 05.10.2022	(22) 03.08.2017
HAN, In-Hyo	(87) FR2014052149	(54) METHODS AND APPARATUS FOR VOICE-ACTIVATED CONTROL OF AN INTERACTIVE DISPLAY
(31) 20170140208	05.03.2015	(73) Honeywell International Inc.
(32) 26.10.2017	(22) 29.08.2014	(72) PAULRAJ, Vasantha Selvi
(33) Korea (Republic)	(54) ACOUSTIC PANEL	KRISHNA, Kiran Gopala
(51) G09G 3/36	(73) Centre National de la Recherche Scientifique	AGARWAL, Jitender Kumar
(11) EP2642478	Université du Maine	PASUPATHI, Sivaprakash
(21) EP12196250.0	Supmeca	(31) 201615242104
(47) 05.10.2022	(72) LAGARRIGUE, Clément	(32) 19.08.2016
(22) 10.12.2012	GROBY, Jean-Philippe	(33) United States of America
(54) Liquid crystal display device	TOURNAT, Vincent	(51) G10L 19/00
(73) LG Display Co., Ltd.	DAZEL, Olivier	G10L 19/008
(72) Jeon, Woo Jin	NENNIG, Benoît	(11) EP3711047
Kim, Min Hwa	(31) 1358261	(21) EP18803985.3
Lee, Kyu Man	(32) 29.08.2013	(47) 05.10.2022
(31) 20120030167	(33) France	(87) EP2018081620
(32) 23.03.2012	(51) G10K 11/172	23.05.2019
(33) Korea (Republic)	F24F 13/24	(22) 16.11.2018
(51) G10D 3/18	F25D 23/00	(54) APPARATUS AND METHOD FOR ENCODING OR DECODING DIRECTIONAL AUDIO CODING PARAMETERS USING DIFFERENT TIME/FREQUENCY RESOLUTIONS
G10D 1/02	F16L 55/033	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(11) EP3876225	(11) EP3863011	(72) FUCHS, Guillaume
(21) EP21160888.0	(21) EP20155891.3	HERRE, Jürgen
(47) 05.10.2022	(47) 05.10.2022	KÜCH, Fabian
(22) 05.03.2021	(22) 06.02.2020	DÖHLA, Stefan
(54) VIOLIN SHOULDER REST WITH MOVABLE PAD	(54) REFRIGERATED CABINET WITH SOUND ABSORBER	MULTRUS, Markus
(73) The Kun Shoulder Rest Inc.	(73) Hauser GmbH	THIERGART, Oliver
(72) FARHA, Juliana	(72) Polaschek, Daniel	WÜBBOLT, Oliver
JAMES, Aled	(51) G10K 11/178	GHIDO, Florin
(31) 202062986371 P	(11) EP3701519	BAYER, Stefan
(32) 06.03.2020	(21) EP18801188.6	JÄGERS, Wolfgang
(33) United States of America	(47) 05.10.2022	(31) 17202393
(51) G10D 9/04	(87) US2018057826	(32) 17.11.2017
G10D 7/10	02.05.2019	(33) European Patent Office (EPO)
G10D 9/08	(22) 26.10.2018	(51) G10L 19/22
(11) EP3503087	(54) ADAPTIVE FEEDBACK NOISE CANCELLATION OF A SINUSOIDAL DISTURBANCE	H04S 1/00
(21) EP18213674.7	(73) Bose Corporation	G10L 19/008
(47) 05.10.2022	(72) JAIN, Ankita D.	(11) EP3664088
(22) 18.12.2018	TORRES, Wade, P.	(21) EP18845237.9
(54) MUSICAL WIND INSTRUMENT WITH VALVES	(31) 201762577340 P	(47) 05.10.2022
(73) Nuvo Instrumental (Asia) Ltd	(32) 26.10.2017	(87) CN2018100100
(72) CLISSOLD, Maximilian Spencer	(33) United States of America	14.02.2019
(31) 201762607679 P	(51) G10L 15/00	
(32) 19.12.2017	G10L 25/48	
(33) United States of America	H04R 5/033	
(51) G10K 11/168	H04R 5/04	

(22) 10.08.2018	(73) Western Digital Technologies, Inc.	EHRICH, Mathias
(54) AUDIO CODING MODE DETERMINATION	(72) LI, Haibo	VAN DEN BOOM, Dirk Johannes
(73) Huawei Technologies Co., Ltd.	ZHAO, Dengtao	DZAKULA, Zeljko
(72) WANG, Bin	SUN, Yongke	(31) 201261709899 P
LI, Haiting	STOEV, Kroum S.	201261663477 P
MIAO, Lei	LIANG, Guirong	201261589202 P
(31) 201710679081	(31) 201314102356	PCT/US2012/059123
(32) 10.08.2017	201361895248 P	(32) 04.10.2012
(33) China	(32) 10.12.2013	22.06.2012
(51) G10L 19/24	24.10.2013	20.01.2012
(11) EP3531417	(33) United States of America	05.10.2012
(21) EP19163182.9	United States of America	(33) United States of America
(47) 05.10.2022	(51) G11C 16/24	United States of America
(22) 20.04.2016	G11C 16/10	United States of America
(54) TRANSMISSION DEVICE, TRANSMISSION METHOD, AND COMPUTER-READABLE STORAGE MEDIUM	G11C 16/26	World Intellectual Property Office (WIPO)
(73) Sony Group Corporation	G11C 16/04	(51) G16B 25/00
(72) KEMMOCHI, Chisato	G11C 7/18	C12Q 1/6841
(31) 2015086481	H01L 27/06	(11) EP3669370
(32) 21.04.2015	G11C 16/08	(21) EP18845997.8
(33) Japan	G11C 5/06	(47) 05.10.2022
(51) G11C 7/10	G11C 8/08	(87) CA2018050977
G06F 13/12	G11C 8/14	21.02.2019
G11C 8/12	G11C 16/14	(22) 13.08.2018
G11C 11/408	(11) EP3497701	(54) METHOD FOR DETERMINATION OF CELLULAR MRNA
G11C 11/4096	(21) EP17746364.3	(73) The Governing Council of the University of Toronto
H03K 19/173	(47) 05.10.2022	(72) LABIB, Mahmoud
(11) EP3625801	(87) US2017045762	SARGENT, Edward H.
(21) EP18802354.3	15.02.2018	KELLEY, Shana O.
(47) 05.10.2022	(22) 07.08.2017	(31) 201762545081 P
(87) US2018031766	(54) MULTI-DECK MEMORY DEVICE AND OPERATIONS	(32) 14.08.2017
22.11.2018	(73) Micron Technology, Inc.	(33) United States of America
(22) 09.05.2018	(72) SAKUI, Koji	(51) G16H 20/13
(54) BANK TO BANK DATA TRANSFER	(31) 201615231011	(11) EP2641229
(73) Micron Technology, Inc.	(32) 08.08.2016	(21) EP11842307.8
(72) LEA, Perry V.	(33) United States of America	(47) 05.10.2022
MANNING, Troy A.	(51) G16B 20/20	(87) US2011060274
(31) 201715595171	G16B 30/10	24.05.2012
(32) 15.05.2017	G16B 20/00	(22) 10.11.2011
(33) United States of America	G16B 30/20	(54) ALERT NOTIFICATION SERVICE
(51) G11C 16/04	(11) EP3910641	(73) CareFusion 303, Inc.
G11C 16/02	(21) EP21182413.1	(72) NUDELMAN, Anthony
G11C 16/06	(47) 05.10.2022	SHELTON, Stephen
G11C 16/08	(22) 13.04.2016	UTECH, Thomas
(11) EP3182415	(54) METHODS, SYSTEMS AND PROCESSES OF IDENTIFYING GENETIC VARIATION IN HIGHLY SIMILAR GENES	GODLEWSKI, Peter
(21) EP14899852.9	(73) Invitae Corporation	JING, Emily
(47) 05.10.2022	(72) KVITEK, Daniel J.	SCHMIDT, Charlie
(87) JP2014071429	GAFNI, Erik	(31) 947736
18.02.2016	(31) 201562146936 P	(32) 16.11.2010
(22) 14.08.2014	(32) 13.04.2015	(33) United States of America
(54) SEMICONDUCTOR DEVICE	(33) United States of America	(51) G16H 20/13
(73) Renesas Electronics Corporation	(51) G16B 20/20	C12N 7/00
(72) KASHIHARA, Yoji	G16B 30/10	G16H 10/60
(51) G11C 16/06	G16B 30/20	G16H 40/63
G11C 16/26	(11) EP2805280	G16H 50/20
G11C 16/34	(21) EP13707938.0	B01L 7/00
(11) EP3061097	(47) 05.10.2022	A61J 7/00
(21) EP14856252.3	(87) US2013022290	(11) EP3724886
(47) 05.10.2022	25.07.2013	(21) EP18830103.0
(87) US2014062295	(22) 18.01.2013	(47) 05.10.2022
30.04.2015	(54) DIAGNOSTIC PROCESSES THAT FACTOR EXPERIMENTAL CONDITIONS	(87) US2018064645
(22) 24.10.2014	(73) Sequenom, Inc.	20.06.2019
(54) PROGRAMMING SCHEME FOR IMPROVED VOLTAGE DISTRIBUTION IN SOLID-STATE MEMORY	(72) DECIU, Cosmin	(22) 10.12.2018
		(54) PHAGE DISPENSING SYSTEM
		(73) Adaptive Phage Therapeutics, Inc.
		(72) MERRIL, Carl
		MERRIL, Greg

(31) 201762597008 P	G21C 17/00	H01B 9/00
(32) 11.12.2017	G21C 17/108	H02J 7/34
(33) United States of America	(11) EP3850643	H02J 7/00
(51) G16H 20/30	(21) EP19765512.9	(11) EP3780017
(11) EP3107516	(47) 05.10.2022	(21) EP19834045.7
(21) EP15751853.1	(87) EP2019074388	(47) 05.10.2022
(47) 05.10.2022	19.03.2020	(87) KR2019008370
(87) US2015016651	(22) 12.09.2019	16.01.2020
27.08.2015	(54) METHOD FOR PROTECTING	(22) 08.07.2019
(22) 19.02.2015	A NUCLEAR REACTOR AND	(54) DATA CABLE DEVICE HAVING CABLE
(54) SYSTEMS AND METHODS	CORRESPONDING NUCLEAR	BATTERY
FOR GRAVITY-ASSISTED	REACTOR	(73) LG Energy Solution, Ltd.
CARDIOPULMONARY	(73) Framatome	(72) KIM, Hee-Gyu
RESUSCITATION	(72) ROYERE, Christian	(31) 20180081894
(73) Lurie, Keith G.	SEGOND, Mathieu	(32) 13.07.2018
(72) Lurie, Keith G.	(31) 1858153	(33) Korea (Republic)
(31) 201462087717 P	(32) 12.09.2018	(51) H01B 13/012
201462000836 P	(33) France	(11) EP3716295
201461941670 P	(51) G21D 3/04	(21) EP20159382.9
(32) 04.12.2014	F01K 9/00	(47) 05.10.2022
20.05.2014	G21D 1/04	(22) 25.02.2020
19.02.2014	(11) EP3449102	(54) A BUNDLE GRIPPING TOOL
(33) United States of America	(21) EP17718912.3	(73) The Boeing Company
United States of America	(47) 05.10.2022	(72) LARSEN, Ty A.
United States of America	(87) EP2017059578	MITCHELL, Bradley J.
(51) G16H 20/30	02.11.2017	(31) 201916363771
G16H 40/63	(22) 21.04.2017	(32) 25.03.2019
G16H 40/67	(54) MANAGING WATER-SUPPLY PUMPING	(33) United States of America
(11) EP2638491	FOR AN ELECTRICITY PRODUCTION	(51) H01F 27/14
(21) EP11791365.7	PLANT CIRCUIT	H01F 27/40
(47) 05.10.2022	(73) Electricité de France	H05K 7/20
(87) US2011060187	(72) DE OLIVEIRA, Eric	(11) EP3726547
18.05.2012	VAUTRIN, Denis	(21) EP19170055.8
(22) 10.11.2011	BOUSQUET, Nicolas	(47) 05.10.2022
(54) SYSTEMS AND METHODS FOR	PAUL, Nicolas	(22) 18.04.2019
TIME-BASED ATHLETIC ACTIVITY	ZOUBERT-OUSSINI, Kersane	(54) METHOD FOR DRYING A
MEASUREMENT AND DISPLAY	(31) 1653811	TRANSFORMER COMPRISING A
(73) NIKE Innovate C.V.	(32) 28.04.2016	MULTI-STAGE COOLING SYSTEM AND
(72) MESCHTER, James	(33) France	COOLING SYSTEM CONTROL FOR
MOLYNEUX, James	(51) G21F 9/00	SUCH A TRANSFORMER
WEAST, Aaron B.	C23C 22/62	(73) Siemens Energy Global GmbH & Co. KG
(31) 412285 P	C23C 22/78	(72) Scala, Mario
(32) 10.11.2010	C23G 1/08	(51) H01F 27/16
(33) United States of America	C23G 1/19	H01F 27/28
(51) G21C 21/02	(11) EP3586342	(11) EP3780035
G21C 3/06	(21) EP18757251.6	(21) EP19382713.6
B32B 15/01	(47) 05.10.2022	(47) 05.10.2022
G21C 17/022	(87) US2018017903	(22) 14.08.2019
G21C 3/20	30.08.2018	(54) A NON-LIQUID IMMersed
G21C 3/07	(22) 13.02.2018	TRANSFORMER
(11) EP3335220	(54) RECONTAMINATION MITIGATION	(73) Hitachi Energy Switzerland AG
(21) EP16837476.7	METHOD BY CARBON STEEL	(72) NOGUÉS BARRIERAS, Antonio
(47) 05.10.2022	PASSIVATION OF NUCLEAR SYSTEMS	MURILLO, Rafael
(87) US2016045081	AND COMPONENTS	ROY MARTÍN, Carlos
23.02.2017	(73) Westinghouse Electric Company Llc	CEBRIÁN LLES, Lorena
(22) 02.08.2016	(72) TIPPETTS, Darik J.	(51) H01F 27/29
(54) CORROSION AND WEAR RESISTANT	DUNCAN, Randall A.	(11) EP3104378
COATING ON ZIRCONIUM ALLOY	SWIFT, Cornelius A.	(21) EP16173440.5
CLADDING METHOD FOR COATING	(31) 201715438080	(47) 05.10.2022
(73) Westinghouse Electric Company Llc	(32) 21.02.2017	(22) 08.06.2016
(72) XU, Peng	(33) United States of America	(54) COMMON MODE CHOKE
CAI, Lu	(51) H01B 7/04	(73) Taiyo Yuden Co., Ltd.
(31) 201514826524	H01M 10/42	(72) HORIE, Katsuyuki
(32) 14.08.2015	H01M 10/04	IWAO, Hidemi
(33) United States of America	H01R 24/60	NOGI, Kenichiro
(51) G21D 3/00	H01B 7/18	(31) 2015116720
G21C 3/04	H01B 7/02	(32) 09.06.2015
G21C 9/00	H01B 11/00	

(33) Japan	(22) 04.06.2020	(11) EP3633708
(51) H01G 9/028	(54) POWER CIRCUIT SHUT OFF DEVICE	(21) EP17912067.0
H01G 9/00	(73) Yazaki Corporation	(47) 05.10.2022
H01G 9/15	(72) YAGI, Shintaro	(87) JP2017020206
(11) EP3664112	FURUGOORI, Osamu	06.12.2018
(21) EP18841955.0	(31) 2020035981	(22) 31.05.2017
(47) 05.10.2022	2019106304	(54) OZONE GENERATION DEVICE
(87) JP2018028860	(32) 03.03.2020	(73) Mitsubishi Electric Corporation
07.02.2019	06.06.2019	(72) NAKATANI, Hajime
(22) 01.08.2018	(33) Japan	NAGAYAMA, Takahisa
(54) SOLID ELECTROLYTIC CAPACITOR, AND METHOD FOR PRODUCING SOLID ELECTROLYTIC CAPACITOR	Japan	TAKAUCHI, Daisuke
(73) Soken Chemical & Engineering Co., Ltd.	(51) H01H 15/16	ODAI, Yoshiaki
(72) MIYAMOTO, Takeshi	(11) EP3895194	(51) H01H 85/20
(31) 2017151996	(21) EP19829726.9	H01H 85/02
(32) 04.08.2017	(47) 05.10.2022	(11) EP3852126
(33) Japan	(87) US2019064931	(21) EP21151541.6
(51) H01G 11/34	25.06.2020	(47) 05.10.2022
H01G 11/86	(22) 06.12.2019	(22) 14.01.2021
H01G 11/02	(54) RADIO CONTROL FOR A PORTABLE COMMUNICATION DEVICE	(54) COVER
H01G 11/24	(73) Motorola Solutions, Inc.	(73) Yazaki Corporation
H01G 11/46	(72) MIEHL, Andrew P.	(72) YAMAGUCHI, Makoto
(11) EP3621094	AKENS, Jody H.	OKADA, Ryu
(21) EP18880956.0	CHEW, Jin Siang,	(31) 2020004899
(47) 05.10.2022	ROBERTSON, William,	(32) 16.01.2020
(87) KR2018012276	KAKIEL, Anthony M.,	(33) Japan
31.05.2019	GILMORE, Peter,	(51) H01J 37/22
(22) 17.10.2018	(31) 201816228394	G02B 21/08
(54) PROCESS FOR PREPARING ANODE ACTIVE MATERIAL FOR PSEUDOCAPACITOR	(32) 20.12.2018	G02B 21/12
(73) LG Energy Solution, Ltd.	(33) United States of America	G02B 27/58
(72) SUH, Donghoon	(51) H01H 39/00	G02B 21/36
YOON, Seokhyun	H01H 9/54	G02B 27/10
LYU, Byunggook	(11) EP3959736	H04N 5/225
(31) 20170158926	(21) EP20724964.0	H04N 5/232
(32) 24.11.2017	(47) 05.10.2022	H04N 5/32
(33) Korea (Republic)	(87) SI2020000004	(11) EP3036753
(51) H01H 1/66	29.10.2020	(21) EP14837844.1
H01H 50/02	(22) 26.03.2020	(47) 05.10.2022
H01H 49/00	(54) DIRECT CURRENT ELECTRIC CIRCUIT INTERRUPTING SWITCH ASSEMBLY	(87) US2014052351
B23K 11/14	(73) ETI Elektroelement, d.o.o.	26.02.2015
H01H 50/54	(72) KOPRIVSEK, Mitja	(22) 22.08.2014
H01H 51/06	LEBAR, Brane	(54) VARIABLE-ILLUMINATION FOURIER PTYCHOGRAPHIC IMAGING DEVICES, SYSTEMS, AND METHODS
(11) EP3118880	(31) 201900088	(73) California Institute of Technology
(21) EP14837024.0	(32) 25.04.2019	(72) OU, Xiaoze
(47) 05.10.2022	(33) Slovenia	HORSTMAYER, Roarke
(87) JP2014071068	(51) H01H 47/22	ZHENG, Guoan
17.09.2015	H01H 45/00	YANG, Changhuei
(22) 08.08.2014	H01H 50/44	(31) 201462000722 P
(54) SEALED CONTACT DEVICE AND MANUFACTURING METHOD THEREFOR	(11) EP3682460	201361899715 P
(73) Omron Corporation	(21) EP18855528.8	201361868967 P
(72) SHIMA, Hiromi	(47) 05.10.2022	(32) 20.05.2014
MORI, Masaki	(87) US2018050491	04.11.2013
OKAMOTO, Takuma	21.03.2019	22.08.2013
(31) 2014052495	(22) 11.09.2018	(33) United States of America
(32) 14.03.2014	(54) WIDE OPERATING RANGE RELAY CONTROLLER	United States of America
(33) Japan	(73) Littelfuse, Inc.	United States of America
(51) H01H 9/08	(72) RILEY, James	(51) H01J 49/00
H01H 9/32	(31) 201715701724	G01N 23/2258
H01H 27/04	(32) 12.09.2017	G01N 23/2251
H01R 13/629	(33) United States of America	H01J 37/28
(11) EP3748659	(51) H01H 85/05	H01J 49/14
(21) EP20178147.3	C01B 13/11	G01C 11/00
(47) 05.10.2022	H01H 23/00	(11) EP3803935
	H01H 85/00	(21) EP19728397.1
	H01H 85/48	(47) 05.10.2022
		(87) EP2019064177
		05.12.2019

(22) 31.05.2019	EUN, Chang Sun	H01L 21/28
(54) JOINT NANOSCALE THREE-DIMENSIONAL IMAGING AND CHEMICAL ANALYSIS	(31) 20150148848	H01L 29/06
(73) Luxembourg Institute of Science and Technology (LIST)	(32) 26.10.2015	H01L 29/417
(72) WIRTZ, Tom	(33) Korea (Republic)	H01L 29/66
(31) 100806	(51) H01L 21/20	H01L 29/78
(32) 30.05.2018	H01L 21/306	H01L 29/739
(33) Luxembourg	(11) EP3338300	B82Y 10/00
(51) H01J 49/00	(21) EP16837794.3	H01L 29/41
H01J 49/04	(47) 05.10.2022	H01L 29/40
(11) EP2638563	(87) US2016047442	H01L 21/02
(21) EP11819004.0	23.02.2017	H01L 29/04
(47) 05.10.2022	(22) 17.08.2016	(11) EP3035374
(87) IB2011002594	(54) EPITAXIAL GROWTH USING	(21) EP14836514.1
18.05.2012	ATMOSPHERIC PLASMA	(47) 05.10.2022
(22) 02.11.2011	PREPARATION STEPS	(87) JP2014004175
(54) SYSTEMS AND METHODS FOR RAPIDLY SCREENING SAMPLES BY MASS SPECTROMETRY	(73) Ontos Equipment Systems	19.02.2015
(73) DH Technologies Development Pte. Ltd.	(72) SCHULTE, Eric	(22) 12.08.2014
(72) BONNER, Ronald	(31) 201562205938 P	(54) TUNNEL FIELD-EFFECT TRANSISTOR, METHOD FOR MANUFACTURING SAME, AND SWITCH ELEMENT
(72) TATE, Stephen, A.	(32) 17.08.2015	(73) Japan Science and Technology Agency
(31) 411028 P	(33) United States of America	(72) FUKUI, Takashi
(32) 08.11.2010	(51) H01L 21/28	TOMIOKA, Katsuhiko
(33) United States of America	H01L 21/441	(31) 2013168048
(51) H01L 21/02	H01L 29/51	(32) 13.08.2013
C30B 25/18	H01L 29/16	(33) Japan
C30B 29/40	H01L 29/20	(51) H01L 21/60
(11) EP3231006	H01L 29/24	H01L 21/683
(21) EP15821112.8	(11) EP3931862	H01L 21/67
(47) 05.10.2022	(21) EP21706984.8	H01L 21/68
(87) FR2015053434	(47) 05.10.2022	(11) EP3425662
16.06.2016	(87) EP2021054741	(21) EP17759204.5
(22) 11.12.2015	23.09.2021	(47) 05.10.2022
(54) METHOD FOR THE PRODUCTION OF WAFERS OF NITRIDE OF ELEMENT 13, HAVING A NON-ZERO TRUNCATION ANGLE	(22) 25.02.2021	(87) CN2017075033
(73) IV Works Co., Ltd	(54) INSULATED GATE STRUCTURE, WIDE BANDGAP MATERIAL POWER DEVICE WITH THE SAME AND MANUFACTURING METHOD THEREOF	(22) 27.02.2017
(72) BEAUMONT, Bernard	(73) Hitachi Energy Switzerland AG	(54) FLIP CHIP BONDING DEVICE AND BONDING METHOD
(72) LE ROUX, Vianney	(72) KNOLL, Lars	(73) Shanghai Micro Electronics Equipment (Group) Co., Ltd.
(72) COLE, Jason	WIRTHS, Stephan	(72) CHEN, Feibiao
(31) 1462283	MIHAILA, Andrei	GE, Yaping
(32) 11.12.2014	(31) 20163646	GUO, Song
(33) France	(32) 17.03.2020	QI, Jingchao
(51) H01L 21/02	(33) European Patent Office (EPO)	(31) 201610113099
C30B 29/36	(51) H01L 21/31	(32) 29.02.2016
C30B 9/06	H01L 21/3065	(33) China
C30B 9/10	H01L 21/683	(51) H01L 21/67
C30B 19/04	H01L 21/203	H01L 21/683
(11) EP3285280	H01L 21/67	H01L 21/324
(21) EP16860167.2	H01L 21/687	H01L 29/861
(47) 05.10.2022	(11) EP3591690	(11) EP3360155
(87) KR2016012020	(21) EP18760416.0	(21) EP16854479.9
04.05.2017	(47) 05.10.2022	(47) 05.10.2022
(22) 25.10.2016	(87) JP2018002914	(87) US2016056111
(54) SILICON-BASED MOLTEN COMPOSITION AND METHOD FOR MANUFACTURING SIC SINGLE CRYSTALS USING SAME	07.09.2018	13.04.2017
(73) LG Chem, Ltd.	(22) 30.01.2018	(22) 07.10.2016
(72) CHUNG, Chan Yeup	(54) SUBSTRATE SUPPORTING UNIT AND FILM FORMING DEVICE HAVING SUBSTRATE SUPPORTING UNIT	(54) DIODE LASER FOR WAFER HEATING FOR EPI PROCESSES
KO, Jung Min	(73) NHK Spring Co., Ltd.	(73) Applied Materials, Inc.
KIM, Dae Sung	(72) TAKAHARA Go	(72) CHU, Schubert S.
LEE, Sung Soo	HANAMACHI Toshihiko	HOLMGREN, Douglas E.
	TATSUMI Arata	SHAH, Kartik
	(31) 2017036608	GAJENDRA, Palamurali
	(32) 28.02.2017	MYO, Nyi O.
	(33) Japan	RAO, Preetham
	(51) H01L 21/336	BAUTISTA, Kevin Joseph
	B82Y 30/00	YE, Zhiyuan
	B82Y 40/00	

HILKENE, Martin A. SANCHEZ, Errol Antonio C. COLLINS, Richard O.	(47) 05.10.2022 (22) 14.08.2019 (54) COMPOSITES WITH ENHANCED	HOEGLAUER, Josef LEE, Swee Kah SAW, Khay Chwan
(31) 5420CH2015 201562262980 P	THERMAL CONDUCTIVITY AND METHOD PREPARING THE SAME	(51) H01L 23/538 H01L 23/485
(32) 09.10.2015 04.12.2015	(73) Korea Institute of Science and Technology	H01L 23/40 H01L 25/07
(33) India United States of America	(72) LIM, Hong Jin YOU, Nam Ho	H02M 1/088 H02M 7/00
(51) H01L 21/673 H01L 21/67	AHN, Seokhoon GOH, Munju	(11) EP3365968 (21) EP16840302.0
(11) EP3840022 (21) EP19217351.6	JANG, Se Gyu KIM, Myung Jong	(47) 05.10.2022 (87) US2016046780
(47) 05.10.2022 (22) 18.12.2019	(31) 20180096187 (32) 17.08.2018	11.05.2017 (22) 12.08.2016
(54) IMPROVED DEVICE FOR DRYING SEMICONDUCTOR SUBSTRATES	(33) Korea (Republic)	(54) HIGH VOLTAGE POWER MODULE
(73) Siltronic AG (72) Geißler, Sebastian Rothenaicher, Simon	(51) H01L 23/29 H01L 23/00 H01L 23/31 H01L 25/07 H01L 25/18 H01L 33/52 H01L 23/552 H01L 33/50	(73) Wolfspeed, Inc. (72) COLE, Zachary PASSMORE, Brandon (31) 201514918110 (32) 20.10.2015 (33) United States of America
(51) H01L 21/68 (11) EP2973677 (21) EP14770295.5 (47) 05.10.2022	(11) EP3905317 (21) EP18944238.7 (47) 05.10.2022	(51) H01L 25/075 H01L 33/62 H01L 27/32 H01L 25/16 G09F 9/30
(87) US2014017435 25.09.2014 (22) 20.02.2014	(87) JP2018047844 02.07.2020 (22) 26.12.2018	(11) EP3633658 (21) EP19760212.1 (47) 05.10.2022
(54) SUBSTRATE POSITION ALIGNER	(54) SEMICONDUCTOR DEVICE	(87) JP2019007380 06.09.2019
(73) Applied Materials, Inc. (72) GAJENDRA, Manoj A. (31) 201361792705 P (32) 15.03.2013 (33) United States of America	(73) NISSAN MOTOR Co., Ltd. (72) SATO, Hiroshi MURAKAMI, Yoshinori TANISAWA, Hidekazu SATO, Shinji KATO, Fumiki MITAMURA, Kazuhiro TAKAHASHI, Yui	(22) 26.02.2019 (54) DISPLAY DEVICE, GLASS SUBSTRATE, AND METHOD FOR MANUFACTURING GLASS SUBSTRATE (73) KYOCERA CORPORATION (72) YOKOYAMA, Ryoichi SHIMIZU, Takashi (31) 2018036013 (32) 28.02.2018 (33) Japan
(51) H01L 21/687 (11) EP3989270 (21) EP20202781.9 (47) 05.10.2022 (22) 20.10.2020	(51) H01L 23/36 H05K 7/20 H01L 23/40 (11) EP3799549 (21) EP20190649.2 (47) 05.10.2022	(31) 2018036013 (32) 28.02.2018 (33) Japan
(54) CLIPPING MECHANISM FOR FASTENING A SUBSTRATE FOR A SURFACE TREATMENT OF THE SUBSTRATE	(22) 12.08.2020 (54) HOLDING DEVICE FOR THERMALLY CONTACTING AN ELECTRONIC COMPONENT MOUNTED ON A CIRCUIT BOARD WITH A HEAT SINK	(51) H01L 25/075 H05K 1/02 G02B 6/42 H05K 5/06 H05K 5/00 H05K 3/28 H05K 1/16 H05K 1/18 H05K 1/03 H01L 33/54 B29C 45/00 G09F 13/04 G09F 13/22 H01L 33/60 H01L 33/62 H05K 3/00 H05K 3/12
(73) Semsysco GmbH (72) GLEISSNER, Andreas TSCHINDERLE, Ulrich	(73) ebm-papst Muldingen GmbH & Co. KG (72) Holderbach, Christoph Lust, Alexander Hirschlein, Nico	(11) EP3549412 (21) EP17876073.2 (47) 05.10.2022 (87) FI2017050837 07.06.2018 (22) 28.11.2017
(51) H01L 21/762 (11) EP3753047 (21) EP19703400.2 (47) 05.10.2022	(22) 12.08.2020 (54) HOLDING DEVICE FOR THERMALLY CONTACTING AN ELECTRONIC COMPONENT MOUNTED ON A CIRCUIT BOARD WITH A HEAT SINK	
(87) FR2019050065 22.08.2019 (22) 14.01.2019	(73) ebm-papst Muldingen GmbH & Co. KG (72) Holderbach, Christoph Lust, Alexander Hirschlein, Nico	
(54) DISMOUNTABLE STRUCTURE AND METHOD OF DISMANTLING USING SAID STRUCTURE	(31) 102019122640 (32) 22.08.2019 (33) Germany	
(73) SOITEC (72) LANDRU, Didier KONONCHUK, Oleg BEN MOHAMED, Nadia GUERIN, Rénaud COLOMBET, Norbert	(51) H01L 23/495 (11) EP3608955 (21) EP18187774.7 (47) 05.10.2022 (22) 07.08.2018	
(31) 1851179 (32) 13.02.2018 (33) France	(54) LEADFRAME, SEMICONDUCTOR PACKAGE AND METHOD	
(51) H01L 23/29 (11) EP3611760 (21) EP19191687.3	(73) Infineon Technologies Austria AG (72) CALO, Paul Armand Asentista CHIANG, Chau Fatt CHUA, Kok Yau	



(54) ILLUMINATION STRUCTURE AND RELATED METHOD OF MANUFACTURE	H01L 27/12 G02F 1/1362 G02F 1/1368	H01L 41/331 H01L 41/332 H01L 41/314 G02B 26/08
(73) Tactotek Oy	(11) EP3449498	(11) EP3440718
(72) TORVINEN, Sami	(21) EP17788534.0	(21) EP16897393.1
(31) 201662427897 P	(47) 05.10.2022	(47) 05.10.2022
(32) 30.11.2016	(87) CN2017075753	(87) US2016025653
(33) United States of America	02.11.2017	05.10.2017
(51) H01L 25/16 H05K 1/18	(22) 06.03.2017	(22) 01.04.2016
(11) EP3750184	(54) THIN FILM TRANSISTOR, DISPLAY APPARATUS HAVING THE SAME, AND FABRICATING METHOD THEREOF	(54) PROCESS FOR CREATING PIEZO-ELECTRIC MIRRORS IN PACKAGE
(21) EP19706810.9	(73) BOE Technology Group Co., Ltd.	(73) INTEL Corporation
(47) 05.10.2022	(72) NING, Ce	(72) OSTER, Sasha N.
(87) US2019014670	YANG, Wei	EID, Feras
15.08.2019	(31) 201610278253	SWAN, Johanna M.
(22) 23.01.2019	(32) 28.04.2016	LIFF, Shawna M.
(54) THREE-DIMENSIONAL ELECTRONICS DISTRIBUTION BY GEODESIC FACETING	(33) China	ALEKSOV, Aleksandar
(73) Lockheed Martin Corporation	(51) H01L 31/0236	SOUNART, Thomas L.
(72) LAMKIN, Mark, A.	H01L 31/042	BICEN, Baris
RINGGENBERG, Kyle, Martin	(11) EP2956967	RAO, Valluri R.
LAMKIN, Jordan, David	(21) EP14707240.9	(51) H01L 41/09
(31) 201815890776	(47) 05.10.2022	(11) EP3828943
(32) 07.02.2018	(87) IB2014058908	(21) EP20209299.5
(33) United States of America	21.08.2014	(47) 05.10.2022
(51) H01L 27/15	(22) 11.02.2014	(22) 23.11.2020
H01L 33/38	(54) PHOTOVOLTAIC STRUCTURE FOR A ROADWAY	(54) MECHANICAL MICROSYSTEM AND CORRESPONDING PRODUCTION PROCESS
H01L 33/62	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
H01L 33/40	COLAS	(72) HILT, Thierry
H01L 25/075	(72) BARRUEL, Franck	DIEPPEDALE, Christel
(11) EP3742491	COQUELLE, Eric	MOLLARD, Laurent
(21) EP19850909.3	GAUTIER, Jean-Luc	(31) 1913425
(47) 05.10.2022	PILAT, Eric	(32) 28.11.2019
(87) KR2019010546	(31) 1351191	(33) France
27.02.2020	(32) 12.02.2013	(51) H01L 41/312
(22) 20.08.2019	(33) France	(11) EP3731288
(54) ELECTRODE SUBSTRATE FOR TRANSPARENT LIGHT-EMITTING DIODE DISPLAY DEVICE, AND TRANSPARENT LIGHT-EMITTING DIODE DISPLAY DEVICE COMPRISING SAME	(51) H01L 35/14	(21) EP20180045.5
(73) LG CHEM, LTD.	C01B 33/06	(47) 05.10.2022
(72) LEE, Kun Seok	H01L 35/34	(22) 01.08.2017
SON, Yong Goo	C04B 35/547	(54) USE OF AN ELECTRIC FIELD FOR DETACHING A PIEZOELECTRIC LAYER FROM A DONOR SUBSTRATE
LEE, Kiseok	C04B 35/645	(73) SOITEC
LEE, Seung Heon	B22F 3/105	(72) CHARLES-ALFRED, Cédric
(31) 20180099184	C22C 29/18	(31) 1657494
(32) 24.08.2018	(11) EP3671870	(32) 02.08.2016
(33) Korea (Republic)	(21) EP18846157.8	(33) France
(51) H01L 27/32	(47) 05.10.2022	(51) H01L 43/12
H01L 51/52	(87) JP2018018373	(11) EP3673522
(11) EP3501044	21.02.2019	(21) EP18773892.7
(21) EP17829579.6	(22) 11.05.2018	(47) 05.10.2022
(47) 05.10.2022	(54) MAGNESIUM-BASED THERMOELECTRIC CONVERSION MATERIAL, MAGNESIUM-BASED THERMOELECTRIC CONVERSION ELEMENT, AND METHOD FOR PRODUCING MAGNESIUM-BASED THERMOELECTRIC CONVERSION MATERIAL	(87) US2018047339
(87) CN2017097114	(73) Mitsubishi Materials Corporation	28.02.2019
22.02.2018	(72) NAKADA, Yoshinobu	(22) 21.08.2018
(22) 11.08.2017	(31) 2017156729	(54) MAGNETORESISTIVE BIT FABRICATING BY MULTI-STEP ETCHING
(54) ILLUMINATING PANEL AND LIGHTING DEVICE	(32) 15.08.2017	(73) Everspin Technologies, Inc.
(73) BOE Technology Group Co., Ltd.	(33) Japan	(72) AGGARWAL, Sanjeev
(72) CHUNG, Chiehhsing	(51) H01L 41/04	DESPANDE, Sarin A.
(31) 201610697086	H01L 41/047	NAGEL, Kerry Joseph
(32) 19.08.2016	H01L 41/18	(31) 201762549131 P
(33) China	H01L 41/27	(32) 23.08.2017
(51) H01L 29/786		(33) United States of America
H01L 29/66		(51) H01L 43/12

G01R 33/09	(32) 17.12.2014	(33) China
G01R 33/00	(33) European Patent Office (EPO)	(51) H01M 4/134
(11) EP3291318	(51) H01L 51/52	H01M 4/38
(21) EP16785912.3	H01L 27/32	H01M 4/66
(47) 05.10.2022	H01L 51/50	H01M 4/70
(87) CN2016080195	H05B 33/24	H01M 10/052
03.11.2016	H05B 33/26	H01M 4/02
(22) 26.04.2016	(11) EP3644386	(11) EP3576191
(54) RAPID THERMAL PROCESSING	(21) EP18919203.2	(21) EP19167192.4
METHOD AND APPARATUS FOR	(47) 05.10.2022	(47) 05.10.2022
PROGRAMMING THE PINNED LAYER	(87) CN2018106347	(22) 04.04.2019
OF SPINTRONIC DEVICES	21.11.2019	(54) LITHIUM SECONDARY BATTERY
(73) MultiDimension Technology Co., Ltd.	(22) 19.09.2018	(73) Panasonic Intellectual Property
(72) DEAK, James Geza	(54) ORGANIC ELECTROLUMINESCENT	Management Co., Ltd.
(31) 201510204777	DEVICE	(72) KANO, Akira
(32) 27.04.2015	(73) Yungu (Gu'an) Technology Co., Ltd.	MIYAMAE, Ryohei
(33) China	(72) ZHOU, Xiaokang	ISII, Kiyohiro
(51) H01L 51/42	LI, Mengzhen	NAKURA, Kensuke
(11) EP3416206	HE, Lin	(31) 2018105701
(21) EP18177998.4	LI, Weiwei	(32) 31.05.2018
(47) 05.10.2022	PANG, Hui	(33) Japan
(22) 15.06.2018	LI, Tiantian	(51) H01M 4/36
(54) PEROVSKITE SOLAR CELL WITH	TIAN, Jingwen	H01M 4/134
WIDE BAND-GAP AND FABRICATION	GAO, Xiaoyu	H01M 4/38
METHOD THEREOF	HUANG, Xiuqi	H01M 4/04
(73) Korea Research Institute of Chemical	(31) 201810469474	H01M 4/1395
Technology	(32) 16.05.2018	H01M 50/403
(72) Seo, Jang Won	(33) China	H01M 50/414
Jeon, Nam Joong	(51) H01L 51/54	H01M 50/434
Yang, Tae Youl	C09K 11/06	H01M 50/446
Noh, Jun Hong	C08G 61/04	H01M 50/449
Jung, Eui Hyuk	(11) EP3547384	H01M 50/491
(31) 20170076696	(21) EP17874343.1	H01M 50/497
(32) 16.06.2017	(47) 05.10.2022	(11) EP3246968
(33) Korea (Republic)	(87) CN2017112716	(21) EP17171920.6
(51) H01L 51/46	31.05.2018	(47) 05.10.2022
H01L 31/0256	(22) 23.11.2017	(22) 19.05.2017
(11) EP3557639	(54) HIGH POLYMER, MIXTURE	(54) PROTECTIVE LAYERS
(21) EP18819668.7	CONTAINING SAME, COMPOSITION,	FOR ELECTRODES AND
(47) 05.10.2022	ORGANIC ELECTRONIC	ELECTROCHEMICAL CELLS
(87) KR2018006836	COMPONENT, AND MONOMER FOR	(73) Sion Power Corporation
27.12.2018	POLYMERIZATION	(72) Kulisch, Jörn
(22) 18.06.2018	(73) Guangzhou Chinaray Optoelectronic	Safont-Sempere, Marina
(54) ORGANIC SOLAR CELL	Materials Ltd.	Leitner, Klaus
(73) LG Chem, Ltd.	(72) PAN, Junyou	Schneider, Holger
(72) CHOI, Doowhan	HUANG, Hong	Laramie, Michael G.
LEE, Jiyoung	(31) 201611047040	Mikhaylik, Yuriy V.
LIM, Bogyu	(32) 23.11.2016	Du, Hui
JANG, Songrim	(33) China	(31) 201662339356 P
KIM, Ji Hoon	(51) H01L 51/56	(32) 20.05.2016
(31) 20170079709	G03F 1/00	(33) United States of America
(32) 23.06.2017	G03F 1/54	(51) H01M 4/36
(33) Korea (Republic)	(11) EP3633753	H01M 4/38
(51) H01L 51/50	(21) EP17889522.3	H01M 4/587
(11) EP3235019	(47) 05.10.2022	H01M 10/052
(21) EP15808677.7	(87) CN2017117219	(11) EP2862220
(47) 05.10.2022	06.12.2018	(21) EP13807267.3
(87) EP2015079836	(22) 19.12.2017	(47) 05.10.2022
23.06.2016	(54) MASK PLATE, MANUFACTURING	(87) US2013046361
(22) 15.12.2015	METHOD THEREFOR, FLEXIBLE	27.12.2013
(54) ORGANIC LIGHT-EMITTING	SUBSTRATE PEELING DEVICE, AND	(22) 18.06.2013
DIODE COMPRISING ELECTRON	FLEXIBLE SUBSTRATE PEELING	(54) MULTI-SHELL STRUCTURES FOR
TRANSPORT LAYERS WITH	METHOD	BATTERY ACTIVE MATERIALS WITH
DIFFERENT MATRIX COMPOUNDS	(73) BOE Technology Group Co., Ltd.	EXPANSION PROPERTIES
(73) Novaled GmbH	(72) JU, Changcheng	(73) Sila Nanotechnologies Inc.
(72) WALLIKIEWITZ, Bodo	YU, Jing	(72) YUSHIN, Gleb
ROTHER, Carsten	(31) 201710404712	ZDYRKO, Bogdan
(31) 14198655	(32) 01.06.2017	JACOBS, Alexander

HANTSOO, Eerik	(11) EP3427322	SHEET FOR ALL-SOLID-STATE
SHELTON, Addison	(21) EP17711982.3	SECONDARY BATTERY AND METHOD
BERDICHEVSKY, Eugene	(47) 05.10.2022	FOR MANUFACTURING SAME, ALL-
(31) 201313919818	(87) US2017021607	SOLID-STATE SECONDARY BATTERY
201261661336 P	14.09.2017	AND METHOD FOR MANUFACTURING
(32) 17.06.2013	(22) 09.03.2017	SAME
18.06.2012	(54) REFLECTIVE LAMINATES	(73) FUJIFILM Corporation
(33) United States of America	(73) W. L. Gore & Associates, Inc.	(72) MIMURA, Tomonori
United States of America	(72) AGAPOV, Alexander	MOCHIZUKI, Hiroaki
(51) H01M 4/38	(31) 201662307261 P	MAKINO, Masaomi
H01M 4/86	(32) 11.03.2016	(31) 2015241755
H01M 6/18	(33) United States of America	(32) 11.12.2015
H01M 12/08	(51) H01M 8/18	(33) Japan
(11) EP3624225	H01M 4/90	(51) H01M 10/0567
(21) EP19196653.0	H01M 4/96	(11) EP3806223
(47) 05.10.2022	H01M 4/92	(21) EP19864522.8
(22) 11.09.2019	(11) EP3422453	(47) 05.10.2022
(54) METAL-AIR BATTERY	(21) EP17756151.1	(87) CN2019108605
(73) Samsung Electronics Co., Ltd.	(47) 05.10.2022	02.04.2020
(72) LEE, Heungchan	(87) JP2017003992	(22) 27.09.2019
MA, Sangbok	31.08.2017	(54) NON-AQUEOUS ELECTROLYTE,
IM, Dongmin	(22) 03.02.2017	LITHIUM ION BATTERY, BATTERY
(31) 20180110461	(54) CARBON CATALYST FOR REDOX	MODULE, BATTERY PACK AND
(32) 14.09.2018	FLOW BATTERY ELECTRODES	APPARATUS
(33) Korea (Republic)	(73) Nissinbo Holdings Inc.	(73) Contemporary Amperex Technology Co.,
(51) H01M 8/04	(72) KISHIMOTO, Takeaki	Limited
H01M 8/04014	MIZUSHIRI, Mayumi	(72) CHEN, Peipei
H01M 8/04225	(31) 2016036338	FU, Chenghua
H01M 8/04223	(32) 26.02.2016	FENG, Junmin
H01M 8/043	(33) Japan	LIANG, Chengdu
H01M 8/04302	(51) H01M 10/0525	(31) 201811140362
H01M 8/0432	H01M 10/0562	(32) 28.09.2018
H01M 8/04746	H01B 1/06	(33) China
H01M 8/0612	H01B 1/10	(51) H01M 10/42
(11) EP3664204	H01B 13/00	H01M 10/48
(21) EP17920113.2	C03C 3/32	G01F 17/00
(47) 05.10.2022	C03C 4/14	(11) EP3940864
(87) JP2017027865	(11) EP2940778	(21) EP21183883.4
07.02.2019	(21) EP13867878.4	(47) 05.10.2022
(22) 01.08.2017	(47) 05.10.2022	(22) 06.07.2021
(54) FUEL CELL SYSTEM AND METHOD	(87) JP2013079721	(54) METHOD AND DEVICE FOR
FOR CONTROLLING FUEL CELL	03.07.2014	DETERMINING THE AMOUNT OF GAS
SYSTEM	(22) 01.11.2013	IN A BATTERY CELL
(73) Nissan Motor Co., Ltd.	(54) SULFIDE-SOLID-ELECTROLYTE	(73) VOLKSWAGEN AG
(72) NODA, Tetsushi	MANUFACTURING METHOD	(72) Rumberg, Björn
CHIKUGO, Hayato	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	Epding, Bernd
YAGUCHI, Tatsuya	(72) YANAGI, Takuo	(31) 102020118436
(51) H01M 8/04303	TANAKA, Takumi	(32) 13.07.2020
(11) EP3841634	KITSUNAI, Shinichiro	(33) Germany
(21) EP19759304.9	(31) 2012286176	(51) H01M 10/42
(47) 05.10.2022	(32) 27.12.2012	H01M 10/48
(87) EP2019071795	(33) Japan	H01M 50/502
27.02.2020	(51) H01M 10/0562	(11) EP2989669
(22) 14.08.2019	H01B 1/06	(21) EP14718546.6
(54) PROCESS OF PREPARING FOR	H01M 4/13	(47) 05.10.2022
STARTING A FUEL CELL SYSTEM	H01M 4/139	(87) EP2014057133
(73) cellcentric GmbH & Co. KG	H01M 4/62	30.10.2014
(72) PASTOR NIGORRA, Pere, Antoni	H01M 10/052	(22) 09.04.2014
SCHMALZRIEDT, Sven	H01M 10/0585	(54) BATTERIES CONTACTING
HEIDRICH, Hans-Jörg	(11) EP3389128	SYSTEM AND PROCESS FOR ITS
(31) 102018006624	(21) EP16873140.4	PRODUCTION
(32) 21.08.2018	(47) 05.10.2022	(73) ElringKlinger AG
(33) Germany	(87) JP2016086821	(72) FRITZ, Wolfgang
(51) H01M 8/1023	15.06.2017	(31) 102013207356
H01M 8/1039	(22) 09.12.2016	(32) 23.04.2013
H01M 8/1053	(54) SOLID ELECTROLYTE COMPOSITION,	(33) Germany
H01M 8/106	SHEET FOR ALL-SOLID-STATE	(51) H01M 10/44
H01M 8/1067	SECONDARY BATTERY, ELECTRODE	(11) EP3729553

(21) EP18816146.7	(11) EP3965208	(54) DUPLEXER HAVING IN-BAND
(47) 05.10.2022	(21) EP20803076.7	FILTERS AND OUT-OF-BAND FILTERS
(87) EP2018085614	(47) 05.10.2022	CONNECTED TO CIRCULATORS
27.06.2019	(87) CN2020101448	(73) NEC Corporation
(22) 18.12.2018	13.01.2022	(72) MURAO, Yoji
(54) METHOD OF MANAGEMENT OF THE	(22) 10.07.2020	(31) 2013053206
STATE OF CHARGE OF A BATTERY	(54) THERMAL RUNAWAY DETECTION	(32) 15.03.2013
LEFT AT REST	METHOD AND BATTERY	(33) Japan
(73) Commissariat à l'Energie Atomique et	MANAGEMENT SYSTEM	<hr/>
aux Energies Alternatives	(73) Contemporary Amperex Technology Co.,	(51) H01P 5/18
(72) DELAILLE, Arnaud	Limited	H01P 1/17
(31) 1762616	(72) CHEN, Xiaobo	(11) EP3333968
(32) 20.12.2017	LI, Yao	(21) EP16203470.6
(33) France	<hr/>	(47) 05.10.2022
(51) H01M 10/613	(51) H01M 50/15	(22) 12.12.2016
H01M 10/647	(11) EP3799146	(54) A DIRECTIONAL COUPLER AND
H01M 50/538	(21) EP20813909.7	A METHOD OF MANUFACTURING
H01M 50/548	(47) 05.10.2022	THEREOF
(11) EP3869608	(87) CN2020082356	(73) European Space Agency (ESA)
(21) EP19906551.7	03.12.2020	(72) ANGEVAIN, Jean-Christophe
(47) 05.10.2022	(22) 31.03.2020	FONSECA, Nelson
(87) CN2019076271	(54) TOP COVER ASSEMBLY AND	<hr/>
02.07.2020	SECONDARY BATTERY	(51) H01Q 1/32
(22) 27.02.2019	(73) Contemporary Amperex Technology Co.,	H01Q 9/28
(54) BATTERY MODULE AND BATTERY	Limited	H01Q 19/185
PACK	(72) HUANG, Shoujun	(11) EP4002584
(73) Contemporary Amperex Technology Co.,	CHEN, Yuanbao	(21) EP21206904.1
Limited	SU, Huasheng	(47) 05.10.2022
(72) JIN, Haizu	WANG, Peng	(22) 08.11.2021
ZHOU, Linggang	(31) 201920776865 U	(54) THIN ANTENNA
WANG, Peng	(32) 27.05.2019	(73) Yazaki Corporation
SHI, Dongyang	(33) China	(72) Tsuchiya, Kazuhiko
CHEN, Xingdi	<hr/>	(31) 2020187827
HU, Fei	(51) H01M 50/249	(32) 11.11.2020
ZHAO, Fenggang	(11) EP3965218	(33) Japan
XIANG, Yanhuo	(21) EP20811229.2	<hr/>
LIN, Yongshou	(47) 05.10.2022	(51) H01Q 1/38
(31) 201811641703	(87) CN2020101444	H04Q 1/02
(32) 29.12.2018	13.01.2022	H01Q 9/04
(33) China	(22) 10.07.2020	H01Q 1/02
(51) H01M 10/615	(54) BATTERY CASE, BATTERY CELL,	H01Q 1/24
H01M 10/42	BATTERY, AND METHOD AND DEVICE	H01Q 1/22
H01M 10/44	FOR PREPARING BATTERY CASE	H01Q 1/42
H01M 10/625	(73) Contemporary Amperex Technology Co.,	H01Q 21/06
H01M 10/667	Limited	H01L 23/36
H02J 1/10	(72) ZHAO, Fenggang	H01L 23/42
B64D 27/24	KE, Haibo	(11) EP3694050
H01M 10/0525	LI, Quankun	(21) EP18892022.7
H02J 7/00	WU, Ningsheng	(47) 05.10.2022
H02J 7/14	SUN, Zhanyu	(87) KR2018016264
H02M 3/158	<hr/>	27.06.2019
B64D 27/02	(51) H01P 1/208	(22) 19.12.2018
(11) EP3819978	(11) EP3507854	(54) MODULE COMPRISING ANTENNA
(21) EP20204957.3	(21) EP16914559.6	AND RF ELEMENT, AND BASE
(47) 05.10.2022	(47) 05.10.2022	STATION INCLUDING SAME
(22) 30.10.2020	(87) CN2016097586	(73) Samsung Electronics Co., Ltd.
(54) ELECTRICAL POWER SUPPLY	08.03.2018	(72) BAEK, Kwanghyun
SYSTEM	(22) 31.08.2016	KO, Seungtae
(73) Rolls-Royce plc	(54) TM DUAL MODE FILTER	KIM, Kijoon
(72) Zagrodnik, Michael	(73) Telefonaktiebolaget LM Ericsson (publ)	SON, Juho
(31) 201916189	(72) ZHANG, Xiaoliang	LEE, Sangho
(32) 07.11.2019	<hr/>	LEE, Youngju
(33) United Kingdom	(51) H01P 1/213	LEE, Jungyub
(51) H01M 10/63	H04B 1/50	CHEON, Yonghun
H01M 10/42	(11) EP2975687	HA, Dohyuk
H01M 10/48	(21) EP14763862.1	(31) 20170175064
H01M 10/625	(47) 05.10.2022	(32) 19.12.2017
H01M 10/613	(87) JP2014055003	(33) Korea (Republic)
	18.09.2014	<hr/>
	(22) 28.02.2014	(51) H01Q 1/52
		H01Q 5/48
		H01Q 9/20

H01Q 21/26	RUHR, Michael	(11) EP3301763
(11) EP3618185	(31) 201862632273 P	(21) EP17185701.4
(21) EP19194014.7	(32) 19.02.2018	(47) 05.10.2022
(47) 05.10.2022	(33) United States of America	(22) 10.08.2017
(22) 28.08.2019	(51) H01R 4/48	(54) ELECTRONIC DEVICE
(54) RADIATING ELEMENT FOR MULTI-BAND ANTENNA AND MULTI-BAND ANTENNA	H01R 12/51	(73) Omron Corporation
(73) CommScope Technologies LLC	H01R 43/22	(72) UEDA, Hiroaki
(72) LIU, Jian	(11) EP3799211	(31) 2016194280
CHEN, HongHui	(21) EP20187941.8	(32) 30.09.2016
LI, YueMin	(47) 05.10.2022	(33) Japan
(31) 201810983849	(22) 27.07.2020	(51) H01R 13/629
(32) 28.08.2018	(54) CONNECTOR TERMINAL WITH INSERTION FUNNEL	H01R 12/71
(33) China	(73) BJB GmbH & Co. KG	H01R 12/70
(51) H01Q 9/14	(72) Baumeister, Olaf	H01R 13/64
H01Q 5/321	Henrici, Philipp	H01R 13/645
(11) EP3641058	(31) 102019125895	(11) EP2705580
(21) EP19203054.2	(32) 26.09.2019	(21) EP12779557.3
(47) 05.10.2022	(33) Germany	(47) 05.10.2022
(22) 14.10.2019	(51) H01R 4/62	(87) US2012036266
(54) SWITCHED MULTI-BAND ANTENNA AND RADIOFREQUENCY DEVICE COMPRISING SUCH AN ANTENNA	H01R 43/02	08.11.2012
(73) Somfy Activites SA	H01R 4/30	(22) 03.05.2012
(72) ROBIN, Serge	H01R 11/12	(54) ELECTRICAL CONNECTOR PLUG WITH KEY TO AVOID CONTACT DAMAGE
(31) 1859524	(11) EP3719932	(73) CardiInsight Technologies, Inc.
(32) 15.10.2018	(21) EP19167576.8	(72) WALTERS, William A.
(33) France	(47) 05.10.2022	CROFOOT, Larry M.
(51) H01Q 21/06	(22) 05.04.2019	(31) 201161482060 P
H01Q 21/28	(54) POWER CONNECTOR, METHOD OF MANUFACTURING THE SAME, AND ELECTRICAL CONNECTION ASSEMBLY	(32) 03.05.2011
H01Q 25/00	(73) Intercable Automotive Solutions GmbH	(33) United States of America
G01S 7/28	(72) Zimmerhofer, Florian	(51) H01R 13/629
H01Q 21/22	(51) H01R 12/75	H01R 13/46
H01Q 3/26	H01R 13/6471	H01R 13/506
(11) EP3963671	H01R 9/05	(11) EP3764481
(21) EP20828140.2	H01R 13/6474	(21) EP20185213.4
(47) 05.10.2022	H01R 13/405	(47) 05.10.2022
(87) IB2020062195	H01R 12/57	(22) 10.07.2020
24.06.2021	(11) EP3896795	(54) LEVER-TYPE CONNECTOR
(22) 18.12.2020	(21) EP21157006.4	(73) YAZAKI CORPORATION
(54) MULTI-BEAM ON RECEIVE ELECTRONICALLY-STEERABLE ANTENNA	(47) 05.10.2022	(72) Sekino, Tetsuya
(73) Leonardo S.p.a.	(22) 13.02.2021	Kubota, Hiromasa
(72) APRILE, Angelo	(54) CONNECTOR, HARNESS AND CONNECTOR ASSEMBLY	(31) 2019129335
ISELLA, Giorgio	(73) Japan Aviation Electronics Industry, Limited	(32) 11.07.2019
TROYSI, Eleonora	(72) KIMURA, Shinya	(33) Japan
(31) 201900024577	(31) 2020073778	(51) H01R 13/629
(32) 18.12.2019	(32) 17.04.2020	H01R 13/64
(33) Italy	(33) Japan	(11) EP3840133
(51) H01R 4/20	(51) H01R 13/436	(21) EP19850401.1
H05B 3/08	H01R 13/506	(47) 05.10.2022
H01R 13/622	H01R 13/52	(87) JP2019031747
H01R 13/6592	(11) EP3972060	20.02.2020
H01R 4/02	(21) EP21186848.4	(22) 09.08.2019
(11) EP3756242	(47) 05.10.2022	(54) LEVER-TYPE CONNECTOR
(21) EP19706103.9	(22) 21.07.2021	(73) Yazaki Corporation
(47) 05.10.2022	(54) CONNECTOR	NISSAN MOTOR CO., LTD.
(87) US2019016471	(73) Japan Aviation Electronics Industry, Limited	(72) NAKAMURA Masatoshi
22.08.2019	(72) TAKAGI, Youhei	OHTAKA Kazuto
(22) 04.02.2019	(31) 202063080173 P	YONEDA Takahiro
(54) ELECTRICAL HEATER AND METHOD OF COUPLING A POWER CABLE TO AN ELECTRICAL HEATING MEMBER	(32) 18.09.2020	HIROSE Aritsugu
(73) Watlow Electric Manufacturing Company	(33) United States of America	(31) 2018153387
(72) MCDONNELL, Brad	(51) H01R 13/514	(32) 17.08.2018
ST. CLAIR, Curt	H05K 7/14	(33) Japan
		(51) H01R 13/631
		H01R 13/73
		(11) EP2460235
		(21) EP10737824.2
		(47) 05.10.2022
		(87) EP2010060043

03.02.2011	(31) 102017120095	REMOVAL DEVICE FOR REMOVING
(22) 13.07.2010	(32) 31.08.2017	PART OF A SCREEN FILM OF A
(54) PLUG CONNECTION OF A	(33) Germany	SHEATH CONDUCTOR CABLE AT A
MECHATRONIC ASSEMBLY OF A	(51) H01S 3/30	PREDETERMINED BREAKING POINT
MOTOR VEHICLE	H01S 3/067	OF THE SHEATH CONDUCTOR CABLE
(73) KNORR-BREMSE Systeme für	H01S 3/08	(73) KOMAX HOLDING AG
Nutzfahrzeuge GmbH	H01S 3/094	(72) SILBERBAUER, Günther
(72) KRALICEK, Marko	H01S 3/17	(51) H02G 3/04
PUTH, Thomas	(11) EP3613113	D02G 3/38
BEHRENDT, Norbert	(21) EP18831601.2	(11) EP3504766
PETRZIK, Martin	(47) 05.10.2022	(21) EP17761996.2
EICHNER, Markus	(87) US2018032539	(47) 05.10.2022
(31) 102009028050	17.01.2019	(87) US2017048299
(32) 28.07.2009	(22) 14.05.2018	01.03.2018
(33) Germany	(54) HIGH POWER CLADDING PUMPED	(22) 24.08.2017
(51) H01R 13/652	SINGLE MODE FIBER RAMAN LASER	(54) IMPACT RESISTANT, SHRINKABLE
H01R 13/6597	(73) IPG Photonics Corporation	BRAIDED TUBULAR SLEEVE AND
H01R 24/54	(72) GAPONTSEV, Valentin	METHOD OF CONSTRUCTION
H01R 13/508	SAMARTSEV, Igor	THEREOF
H01R 13/52	PLATANOV, Nikolai	(73) Federal-Mogul Powertrain LLC
(11) EP3642909	(31) 201762506278 P	(72) QIU, Xiaodan
(21) EP18729949.0	(32) 15.05.2017	KRAUSER, Leigh
(47) 05.10.2022	(33) United States of America	PIOTROWSKI, Mike
(87) EP2018064926	(51) H01S 5/50	GAO, Tianqi
27.12.2018	G02B 6/27	ADAMSKI, Emma
(22) 06.06.2018	G02B 6/10	(31) 201715684799
(54) ELECTRICAL PLUG WITH A	G02B 6/293	201662379015 P
PROTECTIVE CONDUCTOR CONTACT	G02B 6/34	(32) 23.08.2017
AND PROTECTIVE CONDUCTOR	G02B 6/126	24.08.2016
CONNECTOR ELEMENT FORMED	G02B 6/12	(33) United States of America
INTEGRALLY THEREWITH FOR	G02B 6/42	United States of America
GROUNDING EXTERIOR PARTS	(11) EP2879250	(51) H02G 3/04
(73) TE Connectivity Industrial GmbH	(21) EP14003946.2	H02G 3/06
(72) EDENHOFER, Herbert	(47) 05.10.2022	(11) EP3497763
ACHATZ, Josef	(22) 24.11.2014	(21) EP17751749.7
MONCHER, Philipp	(54) Multiport photonic device with	(47) 05.10.2022
(31) 102017113875	asymmetric waveguides	(87) EP2017070482
(32) 22.06.2017	(73) OpenLight Photonics, Inc.	15.02.2018
(33) Germany	(72) Roth, Jonathan Edgar	(22) 11.08.2017
(51) H01R 13/73	(31) 201414522415	(54) CONNECTION ARRANGEMENT AND
H01R 13/62	201361909640 P	LINE-ROUTING DEVICE
(11) EP3872938	(32) 23.10.2014	(73) Igus GmbH
(21) EP21153460.7	27.11.2013	(72) HERMEY, Andreas
(47) 05.10.2022	(33) United States of America	LAPIERE, Karl Oskar
(22) 26.01.2021	United States of America	(31) 202016104470 U
(54) MOUNTING ADAPTER	(51) H02B 1/36	(32) 12.08.2016
(73) Wilhelm Rutenbeck GmbH & Co. KG	(11) EP3841644	(33) Germany
(72) Schubert, Matthias	(21) EP19774177.0	(51) H02G 9/06
(31) 102020105219	(47) 05.10.2022	H02G 3/06
(32) 27.02.2020	(87) IB2019057006	F16L 21/08
(33) Germany	27.02.2020	F16L 37/091
(51) H01R 31/08	(22) 20.08.2019	F16L 37/56
H01R 12/71	(54) MODULAR CENTRAL UNIT FOR	H02G 9/10
H01R 13/631	POWERING AND CONTROLLING	H02G 3/04
H01R 13/424	ELECTRIC MOTORS REMOTELY	(11) EP3703208
H01R 13/506	(73) Lafer S.r.l.	(21) EP17930128.8
H01R 13/629	(72) GONELLA, Giampaolo	(47) 05.10.2022
(11) EP3526859	(31) 201800008139	(87) JP2017041038
(21) EP18759844.6	(32) 21.08.2018	02.05.2019
(47) 05.10.2022	(33) Italy	(22) 15.11.2017
(87) DE2018100687	(51) H02G 1/12	(54) ELECTRIC WIRE TUBE, ELECTRIC
07.03.2019	(11) EP3447865	WIRE TUBE CONNECTION
(22) 06.08.2018	(21) EP17187490.2	STRUCTURE, BELL BLOCK, METHOD
(54) PLUG CONNECTOR COMPRISING	(47) 05.10.2022	FOR CONNECTING ELECTRIC WIRE
JUMPERS, AND METHOD OF USE	(22) 23.08.2017	TUBES, METHOD FOR CONNECTING
(73) HARTING Electric GmbH & Co. KG	(54) METHOD FOR REMOVING PART	ELECTRIC WIRE TUBE AND BELL
(72) SUNDERMEIER, Uwe	OF A SCREEN FILM OF A SHEATH	BLOCK, TUBE JOINT, AND RING
BENEKE, Andre	CONDUCTOR CABLE AND FILM	MEMBER

(73) Furukawa Electric Co., Ltd.	(73) NR Electric Co., Ltd.	HUANG, Hongyang
(72) KIMURA, Yasuki	NR Engineering Co., Ltd	HUA, Wen
KOZAWA, Satoshi	(72) LU, Yu	(31) 201510483656
NAKAJIMA, Yuzo	LI, Gang	(32) 07.08.2015
(31) 2017205424	TIAN, Jie	(33) China
(32) 24.10.2017	WANG, Nannan	(51) H02J 3/16
(33) Japan	LI, Haiying	H02J 3/20
(51) H02G 15/18	JIANG, Chongxue	H02J 3/18
H02G 15/184	SUI, Shunke	(11) EP3741022
H02G 15/013	(31) 201710406486	(21) EP19710301.3
(11) EP2973913	(32) 02.06.2017	(47) 05.10.2022
(21) EP14712174.3	(33) China	(87) EP2019054465
(47) 05.10.2022	(51) H02H 9/04	19.09.2019
(87) US2014022608	H02H 9/06	(22) 22.02.2019
02.10.2014	H02H 9/02	(54) METHOD AND DEVICE FOR
(22) 10.03.2014	(11) EP3832825	CONTROLLING A VOLTAGE
(54) COVER ASSEMBLIES AND METHODS	(21) EP19889052.7	(73) Siemens Energy Global GmbH & Co. KG
FOR COVERING ELECTRICAL CABLES	(47) 05.10.2022	(72) STEINKOHL, Joachim
AND CONNECTIONS	(87) CN2019106807	LOTTE, Jürgen
(73) TE Connectivity Corporation	04.06.2020	VON GEYMÜLLER, Heinrich
(72) YAWORSKI, Harry George	(22) 19.09.2019	(31) 102018203677
(31) 201313827291	(54) SURGE PROTECTION DEVICE AND	(32) 12.03.2018
(32) 14.03.2013	SYSTEM	(33) Germany
(33) United States of America	(73) Xiamen Set Electronics Co., Ltd	(51) H02J 3/38
(51) H02H 3/16	(72) ZHANG, Xianggui	H02M 7/48
H02H 3/20	(31) 201811433169	(11) EP3171478
H02H 9/04	(32) 28.11.2018	(21) EP15821660.6
(11) EP3242368	(33) China	(47) 05.10.2022
(21) EP17165401.5	(51) H02J 1/10	(87) CN2015083628
(47) 05.10.2022	F01D 15/10	21.01.2016
(22) 07.04.2017	F02C 7/26	(22) 09.07.2015
(54) OVER-VOLTAGE AND GROUND	(11) EP3793051	(54) PHOTOVOLTAIC GRID-CONNECTED
FAULT PROTECTION FOR BUS	(21) EP20190181.6	INVERTER AND CONTROL METHOD
CONNECTORS	(47) 05.10.2022	THEREOF
(73) Siemens Schweiz AG	(22) 10.08.2020	(73) Sungrow Power Supply Co., Ltd.
(72) Baumeler, Marcel	(54) ELECTRICAL SYSTEMS	(72) SUN, Wei
Christen, Peter	(73) Rolls-Royce plc	ZHENG, Qun
(31) 16167993	(72) Bruce, Graham	WANG, Changyou
(32) 03.05.2016	Husband, Stephen	LI, Haoyuan
(33) European Patent Office (EPO)	Brookes, David	(31) 201410335465
(51) H02H 3/34	(31) 201913016	(32) 15.07.2014
H02H 1/00	(32) 10.09.2019	(33) China
H04J 3/06	(33) United Kingdom	(51) H02J 7/00
(11) EP3876373	(51) H02J 1/10	H02J 7/34
(21) EP20160390.9	H02H 7/28	(11) EP3570404
(47) 05.10.2022	H02H 3/02	(21) EP17891710.0
(22) 02.03.2020	H02H 3/033	(47) 05.10.2022
(54) DIFFERENTIAL PROTECTION	H02H 3/05	(87) CN2017106776
METHOD, DIFFERENTIAL	H02H 7/26	19.07.2018
PROTECTION DEVICE AND	(11) EP3171476	(22) 18.10.2017
DIFFERENTIAL PROTECTION SYSTEM	(21) EP15895149.1	(54) POWER SUPPLY CONTROL METHOD
(73) Siemens Aktiengesellschaft	(47) 05.10.2022	AND APPARATUS, STORAGE MEDIUM,
(72) Groß, Matthias	(87) CN2015086975	AND ELECTRONIC DEVICE
Kerger, Torsten	16.02.2017	(73) GUANGDONG OPPO MOBILE
Matussek, Robert	(22) 14.08.2015	TELECOMMUNICATIONS CORP., LTD.
(51) H02H 7/26	(54) MMC-HVDC SYSTEM, AND DIRECT-	(72) ZHANG, Qiang
H02H 3/16	CURRENT SIDE ISOLATION DEVICE	KONG, Fanhong
H02H 7/125	AND ISOLATION METHOD THEREFOR	LIAO, Fuchun
H02J 3/36	(73) State Grid Corporation of China (SGCC)	(31) 201710026436
(11) EP3595116	Electric Power Research Institute of	(32) 13.01.2017
(21) EP18809522.8	State Grid Zhejiang Electric Power	(33) China
(47) 05.10.2022	Company	(51) H02J 9/06
(87) CN2018087791	(72) XU, Feng	(11) EP3905481
06.12.2018	QIU, Peng	(21) EP20190333.3
(22) 22.05.2018	LU, Yi	(47) 05.10.2022
(54) FAULT SWITCH CONFIGURATION AND	HUANG, Xiaoming	(22) 10.08.2020
CLEARING METHOD IN FLEXIBLE DC	LU, Chengyu	(54) POWER BACKUP CIRCUIT AND
CONVERTER STATION	LOU, Boliang	METHOD OF OPERATING THE SAME

(73) Delta Electronics, Inc.	(21) EP18191703.0	(54) DEVICE FOR ENERGY HARVESTING
(72) PENG, Te-Chih	(47) 05.10.2022	FOR USE ON A DOOR OR WINDOW
LO, Ming-Hsiang	(22) 30.08.2018	AND SENSOR
WU, Chih-Hong	(54) MULTIPOLAR ROTOR WITH	(73) Hochschule für Technik und Wirtschaft
WENG, Yu-Ren	LOAF-SHAPED OR PIE SEGMENT	Berlin
(31) 202010343962	PERMANENT MAGNETS	Würth Elektronik eiSos GmbH & Co. KG
(32) 27.04.2020	(73) maxon international ag	EMC & Inductive Solutions
(33) China	(72) Schulze, Jens	(72) BICKEL, Jan
(51) H02J 50/00	(31) 17188593	AL-BATOL, Muaadh
H02J 50/10	(32) 30.08.2017	NGO, Ha Duong
H01F 38/14	(33) European Patent Office (EPO)	MÜLLER, Hans-Heinz
(11) EP3761480	(51) H02K 1/28	DINULOVIC, Dragan
(21) EP20192515.3	H02K 7/00	HAUG, Martin
(47) 05.10.2022	F16D 1/072	(31) 102018126690
(22) 25.10.2017	(11) EP3465879	(32) 25.10.2018
(54) WIRELESS POWER RECEIVING	(21) EP17734234.2	(33) Germany
DEVICE	(47) 05.10.2022	(51) H02K 15/04
(73) Apple Inc.	(87) EP2017000650	(11) EP3918699
(72) PINCIUC, Christopher M.	14.12.2017	(21) EP21712459.3
MOUSSAOUI, Zaki	(22) 06.06.2017	(47) 05.10.2022
(31) 201715491893	(54) MAGNETIC ROTATION COMPONENT	(87) EP2021056224
201662415348 P	FORMED AS AN IMPELLER FOR A	23.09.2021
(32) 19.04.2017	LIQUID PUMP	(22) 11.03.2021
31.10.2016	(73) Max Baermann Gesellschaft mit	(54) DEVICE FOR BENDING AT LEAST
(33) United States of America	beschränkter Haftung	ONE, IN AN INITIAL STATE U-
United States of America	(72) ZEITZHEIM, Martin	SHAPED, CONDUCTOR PIECE AND A
(51) H02J 50/05	(31) 202016102995 U	CORRESPONDING METHOD
H02J 50/90	(32) 06.06.2016	(73) Gehring Technologies GmbH + Co. KG
H02J 7/04	(33) Germany	(72) MERGLER, Thomas
H02M 3/335	(51) H02K 3/52	VAI, Pier
(11) EP3707801	(11) EP3823139	(31) 102020107192
(21) EP18875280.2	(21) EP19209817.6	(32) 16.03.2020
(47) 05.10.2022	(47) 05.10.2022	(33) Germany
(87) IL2018051183	(22) 18.11.2019	(51) H02K 41/03
16.05.2019	(54) WINDING HEAD, STATOR TOOTH,	H02K 33/18
(22) 06.11.2018	ELECTRIC MOTOR AND AIRCRAFT	H02K 11/33
(54) CAPACITIVE WIRELESS POWER	(73) Rolls-Royce Deutschland Ltd & Co KG	(11) EP3621188
TRANSFER BY MEANS OF ADAPTIVE	(72) Kutrovich, Dániel	(21) EP18189508.7
MATCHING NETWORKS	Nádudvari, Zoltán	(47) 05.10.2022
(73) B.G. Negev Technologies and	Dorogi, János	(22) 17.08.2018
Applications Ltd. at Ben-Gurion	Balázs, Gergely György	(54) LINEAR MOTOR SYSTEM
University	(51) H02K 5/173	(73) Schneider Electric Industries SAS
(72) PERETZ, Mor Mordechai	H02K 7/14	(72) Brandstätter, Wolfgang
(31) 201762582328 P	H02K 11/00	(51) H02M 3/07
(32) 07.11.2017	H02K 11/33	H02M 1/00
(33) United States of America	A61B 17/16	G06F 3/0354
(51) H02K 1/26	H02K 7/00	G06F 3/038
H02K 15/02	H02K 7/08	G06F 3/044
H02K 7/00	(11) EP3844859	(11) EP3800776
(11) EP2983272	(21) EP18769582.0	(21) EP19920644.2
(21) EP15178872.6	(47) 05.10.2022	(47) 05.10.2022
(47) 05.10.2022	(87) CH2018000035	(87) CN2019099790
(22) 29.07.2015	05.03.2020	11.02.2021
(54) ARMATURE OF ROTARY ELECTRIC	(22) 30.08.2018	(22) 08.08.2019
MACHINE WITH IMPROVED	(54) DRIVE UNIT FOR A SURGICAL	(54) SIGNAL DRIVING CIRCUIT
MAGNETIC PERFORMANCES	POWER TOOL	GENERATING POSITIVE AND
(73) VALEO EQUIPEMENTS ELECTRIQUES	(73) SMC Innovation GmbH	NEGATIVE VOLTAGES, CHIP, ACTIVE
MOTEUR	(72) JANSEN-TROY, Arne	PEN, AND SIGNAL DRIVING METHOD
(72) DROZDEK, Marius	STUDER, Armin	(73) SHENZHEN GOODIX TECHNOLOGY
VERNAY, Eric	(51) H02K 7/18	CO., LTD.
ANDREUX, Raphaël	(11) EP3871322	(72) YUAN, Guangkai
METRAL, Jean Sébastien	(21) EP19808683.7	TANG, Zhi
LABBE, Nicolas	(47) 05.10.2022	SHEN, Haiming
(31) 1457461	(87) DE2019200115	(51) H02M 3/07
(32) 31.07.2014	30.04.2020	H02M 1/14
(33) France	(22) 04.10.2019	H02M 1/32
(51) H02K 1/278		H02M 1/36
(11) EP3451502		H03K 3/57



(11) EP3696960	(54) POWER CONVERSION DEVICE	Sporleder, Kai
(21) EP19157318.7	(73) Kabushiki Kaisha Toshiba	(51) H03F 1/02
(47) 05.10.2022	(72) TANIGUCHI, Shun	H03F 1/30
(22) 14.02.2019	YASUI, Kazuya	H03F 3/189
(54) CURRENT CONTROL CIRCUIT FOR A DC-DC CONVERTER	YUUKI, Kazuaki	(11) EP3347981
(73) General Electric Technology GmbH	KAMIJO, Yoshitake	(21) EP16767122.1
(72) Taghizadeh, Hassan	(31) 2013132093	(47) 05.10.2022
Barker, Carl	2013111321	(87) US2016050817
Whitehouse, Robert	(32) 24.06.2013	16.03.2017
(51) H02M 7/483	(33) Japan	(22) 08.09.2016
H02M 1/32	Japan	(54) AUTOMATIC BIAS CONTROLLER FOR A PULSED POWER AMPLIFIER
(11) EP3724982	(51) H02P 29/62	(73) Teledyne Flir, LLC
(21) EP18704490.4	H02K 7/14	(72) JALES, Richard
(47) 05.10.2022	H02K 1/14	(31) 201562217548 P
(87) EP2018052647	H02K 21/24	(32) 11.09.2015
08.08.2019	F01N 3/20	(33) United States of America
(22) 02.02.2018	F04B 17/03	(51) H03G 3/30
(54) MODULAR MULTI-STAGE CONVERTER AND SWITCHING MODULE FOR A MODULAR MULTI-STAGE CONVERTER	F04B 53/08	H04B 1/10
(73) Siemens Energy Global GmbH & Co. KG	F04D 3/00	(11) EP3477858
(72) SCHÖN, Andre	F04D 13/06	(21) EP17306479.1
BAKRAN, Mark-Matthias	F04D 29/58	(47) 05.10.2022
HOFMANN, Viktor	(11) EP3763033	(22) 26.10.2017
(51) H02P 6/24	(21) EP19711027.3	(54) AUTOMATIC GAIN CONTROLLER
(11) EP3675348	(47) 05.10.2022	(73) NXP B.V.
(21) EP19218609.6	(87) EP2019055561	(72) Robert, Sebastien
(47) 05.10.2022	12.09.2019	Rivière, Fabian
(22) 20.12.2019	(22) 06.03.2019	Bisson, Franck
(54) ELECTRIC WORKING MACHINE	(54) METHOD FOR OPERATING AN ELECTRIC MOTOR AND MOTOR ARRANGEMENT	Mertens, Christophe Olivier
(73) Makita Corporation	(73) GKN Sinter Metals Engineering GmbH	Becque, Samuel
(72) NAKAMOTO, Akihiro	(72) ANDREE, Maurice	(51) H03H 1/00
SUZUKI, Hitoshi	TO, Hong Giang	(11) EP3754845
(31) 2019110374	BORNEMANN, Nils	(21) EP20181419.1
2018242996	(31) 102018105129	(47) 05.10.2022
(32) 13.06.2019	(32) 06.03.2018	(22) 25.02.2016
26.12.2018	(33) Germany	(54) APPARATUS FOR ABSORBING ELECTRICAL NOISE
(33) Japan	(51) H02S 50/10	(73) Würth Elektronik eiSos GmbH & Co. KG
Japan	(11) EP3827516	(72) Fiebig, Nils-Henning
(51) H02P 21/00	(21) EP19769036.5	Mütsch, Steffen
H02P 27/08	(47) 05.10.2022	Schleich, Harald
(11) EP3637613	(87) EP2019072922	Trebuch, Simon
(21) EP18813092.6	02.04.2020	Weidinger, Robert
(47) 05.10.2022	(22) 28.08.2019	(31) 102015205193
(87) KR2018006429	(54) METHOD TO USE A PV DEVICE HAVING IMPROVED OVERALL EFFICIENCY	(32) 23.03.2015
13.12.2018	(73) Siemens Energy Global GmbH & Co. KG	(33) Germany
(22) 05.06.2018	(72) FLEISCHER, Maximilian	(51) H03K 3/356
(54) MOTOR DRIVING APPARATUS	POHLE, Roland	(11) EP3584929
(73) LG Electronics Inc.	SIMON, Elfriede	(21) EP19179779.4
(72) KIM, Kwang Sik	VON SICARD, Oliver	(47) 05.10.2022
LEE, Chungill	(31) 102018216485	(22) 12.06.2019
CHO, Seokhee	(32) 26.09.2018	(54) LOW VOLTAGE LEVEL SHIFTER SUITABLE FOR USE WITH SUBTHRESHOLD LOGIC
(31) 20170104384	(33) Germany	(73) NXP USA, Inc.
20170070945	(51) H02S 50/10	(72) Ribeiro do Nascimento, Ivan Carlos
(32) 17.08.2017	(11) EP3748843	(31) 201816013450
07.06.2017	(21) EP19178090.7	(32) 20.06.2018
(33) Korea (Republic)	(47) 05.10.2022	(33) United States of America
Korea (Republic)	(22) 04.06.2019	(51) H03K 17/0812
(51) H02P 27/08	(54) METHOD AND DEVICE TO TEST SOLAR CELLS AND SOLAR MODULES FOR MATERIAL DEGRADATION	H03K 17/0412
H02M 3/155	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	H03K 17/20
H02M 7/5395	(72) Turek, Marko	H03K 17/06
(11) EP3007345	Hagendorf, Christian	H02M 1/08
(21) EP14803567.8		H02M 1/32
(47) 05.10.2022		H02M 7/5387
(87) JP2014057010		(11) EP3151402
04.12.2014		
(22) 14.03.2014		

(21) EP15800653.6	17280 WITH CODE RATES OF 13/16	VASUDEVAN, Dinkar
(47) 05.10.2022	AND 14/16	(31) 201715830821
(87) JP2015065257	(73) Sony Group Corporation	201662432179 P
03.12.2015	(72) YAMAMOTO Makiko	(32) 04.12.2017
(22) 27.05.2015	SHINOHARA Yuji	09.12.2016
(54) POWER-SEMICONDUCTOR ELEMENT	(31) 2017209878	(33) United States of America
DRIVING CIRCUIT	(32) 31.10.2017	United States of America
(73) Mitsubishi Electric Corporation	(33) Japan	
(72) NAKANO Kosuke	(51) H03M 13/11	(51) H04B 5/00
IWASAWA Keisuke	H03M 13/35	H02J 50/12
MIKI Takayoshi	(11) EP3771105	B60L 53/12
NAKATAKE Hiroshi	(21) EP18921057.8	B60L 53/30
(31) 2014112004	(47) 05.10.2022	(11) EP3704799
(32) 30.05.2014	(87) JP2018020540	(21) EP18796361.6
(33) Japan	05.12.2019	(47) 05.10.2022
(51) H03K 19/00	(22) 29.05.2018	(87) EP2018025269
H03K 19/003	(54) TRANSMITTER, RECEIVER,	09.05.2019
H03K 19/0185	COMMUNICATION SYSTEM, AND	(22) 18.10.2018
(11) EP3451537	CODING RATE REVISION METHOD	(54) SYSTEM FOR NON-CONTACT
(21) EP17188317.6	(73) Mitsubishi Electric Corporation	TRANSMISSION OF ELECTRICAL
(47) 05.10.2022	(72) KUBO, Kazuo	ENERGY TO A MOBILE PART
(22) 29.08.2017	YOSHIDA, Hideo	(73) SEW-EURODRIVE GmbH & Co. KG
(54) HIGH-VOLTAGE OUTPUT DRIVER FOR	(51) H03M 13/13	(72) BÖSER, Andreas
A SENSOR DEVICE WITH REVERSE	H03M 13/00	KREMPEL, Thomas
CURRENT BLOCKING	(11) EP3504800	EGGER, Björn
(73) ams AG	(21) EP17913791.4	JAHN, Nils-Malte
(72) Leonardo, Vincenzo	(47) 05.10.2022	(31) 102017010217
Stefanucci, Camillo	(87) CN2017097274	(32) 03.11.2017
(51) H03L 1/02	20.12.2018	(33) Germany
(11) EP3340467	(22) 11.08.2017	(51) H04B 7/005
(21) EP16306784.6	(54) METHODS AND APPARATUS FOR	H04L 5/00
(47) 05.10.2022	POLAR ENCODING	(11) EP3327940
(22) 22.12.2016	(73) Huawei Technologies Co., Ltd.	(21) EP15901211.1
(54) DIGITALLY CONTROLLED	(72) GRITSENKO, Vladimir	(47) 05.10.2022
OSCILLATOR WITH TEMPERATURE	MAEVSKII, Aleksei	(87) CN2015086939
COMPENSATION	LUO, Hejia	23.02.2017
(73) NXP USA, Inc.	WANG, Jian	(22) 14.08.2015
(72) Pavao Moreira, Cristian	LI, Rong	(54) FEEDBACK INFORMATION
Salle, Didier	(31) PCT/CN2017/088757	TRANSMISSION METHOD, USER
Doaré, Olivier Vincent	(32) 16.06.2017	EQUIPMENT, AND BASE STATION
Goumballa, Birama	(33) World Intellectual Property Office (WIPO)	(73) Huawei Technologies Co., Ltd.
(51) H03M 7/30	(51) H04B 1/28	(72) GUAN, Lei
H04N 19/40	(11) EP3282589	LYU, Yongxia
(11) EP2770642	(21) EP16184130.9	YAN, Zhiyu
(21) EP14150982.8	(47) 05.10.2022	XIAO, Jiehua
(47) 05.10.2022	(22) 13.08.2016	
(22) 13.01.2014	(54) SIGNAL RECEIVER	(51) H04B 7/024
(54) Systems and methods for data archival	(73) Rafael Microelectronics, Inc.	H04L 5/00
(73) Tata Consultancy Services Limited	(72) Kan, Meng-Ping	H04L 25/02
(72) Mande, Sharmila Shekhar	(51) H04B 1/403	H04B 7/06
Dutta, Anirban	H04L 25/02	(11) EP3817240
Bose, Tungadri	H04L 25/03	(21) EP20204391.5
Haque, Mohammed Monzoorul	H04L 5/00	(47) 05.10.2022
(31) MM05652013	H04B 7/024	(22) 28.10.2020
(32) 26.02.2013	H04W 56/00	(54) EFFICIENT EXTREME HIGH-
(33) India	(11) EP3552442	THROUGHPUT SOUNDING FEEDBACK
(51) H03M 13/03	(21) EP17818390.1	SUPPORTING JMAP AND CMAP
H03M 13/11	(47) 05.10.2022	TRANSMISSIONS
H03M 13/27	(87) US2017064615	(73) MediaTek Singapore Pte. Ltd.
H03M 13/29	14.06.2018	(72) FENG, Shuling
(11) EP3706319	(22) 05.12.2017	LIU, Jianhan
(21) EP18872880.2	(54) OVER-THE-AIR PHASE	(31) 202017074432
(47) 05.10.2022	SYNCHRONIZATION FOR	202063036521 P
(87) JP2018038586	RECIPROCITY-BASED COMP JOINT	201962927174 P
09.05.2019	TRANSMISSION	(32) 19.10.2020
(22) 17.10.2018	(73) QUALCOMM Incorporated	09.06.2020
(54) TRANSMISSION AND RECEPTION	(72) FAN, Zhifei	29.10.2019
USING LDPC CODES OF LENGTH	YOO, Taesang	(33) United States of America
		United States of America
		United States of America

(51) H04B 7/0413 H04B 17/391 H04L 25/02 H04B 7/08	(21) EP13776546.7 (47) 05.10.2022 (87) IB2013001695 06.02.2014	(32) 29.08.2019 (33) United Kingdom
(11) EP2965441 (21) EP13709170.8 (47) 05.10.2022 (87) EP2013054280 12.09.2014	(22) 01.08.2013 (54) RELAY NODE AGGREGATION OF DATA TRANSFERS IN A WIRELESS TELECOMMUNICATION SYSTEM	(51) H04B 17/10 H04B 17/14 H04B 7/06 H04B 7/08 H04B 17/318 H04W 52/36
(22) 04.03.2013 (54) A TOOL FOR VERIFYING A LINE OF SIGHT MIMO SYSTEM	(73) Convida Wireless, LLC (72) LJUNG, Rickard (31) 201213565006 (32) 02.08.2012 (33) United States of America	(11) EP3688893 (21) EP18896163.5 (47) 05.10.2022 (87) KR2018016479 04.07.2019
(73) Telefonaktiebolaget LM Ericsson (publ) (72) RYDSTRÖM, Mats EMANUELSSON, Thomas	(51) H04B 7/155 H04B 1/401 H04B 7/26	(22) 21.12.2018 (54) METHOD FOR DETECTING BLOCKAGE AND ELECTRONIC DEVICE THEREOF
(51) H04B 7/06 H04B 7/08	(11) EP3556027 (21) EP17880141.1 (47) 05.10.2022 (87) US2017063455 21.06.2018	(73) Samsung Electronics Co., Ltd. (72) SON, Dongil NA, Hyoseok (31) 20170182695 (32) 28.12.2017 (33) Korea (Republic)
(11) EP3616453 (21) EP18794623.1 (47) 05.10.2022 (87) KR2018005211 08.11.2018	(22) 28.11.2017 (54) METHOD AND APPARATUS FOR OPERATING CO-LOCATED TRANSCEIVERS ON THE SAME FREQUENCY BAND	(51) H04B 17/27 G01S 13/84 (11) EP3672116 (21) EP18213977.4 (47) 05.10.2022 (22) 19.12.2018 (54) PHASE-BASED GROUP RANGING
(22) 04.05.2018 (54) METHODS FOR TRANSMITTING UPLINK SIGNAL AND DOWNLINK SIGNAL, UE AND BASE STATION	(73) Commscope Technologies LLC (72) POLLMAN, Michael BASRUR, Jyotin, Prakash (31) 201662435515 P (32) 16.12.2016 (33) United States of America	(73) Stichting IMEC Nederland (72) ZAND, Pouria ROMME, Jacobus Petrus Adrianus
(73) Samsung Electronics Co., Ltd. (72) XIONG, Qi QIAN, Chen YU, Bin (31) 201710313292 (32) 05.05.2017 (33) China	(51) H04B 7/185 H04B 3/54 (11) EP2893647 (21) EP13752984.8 (47) 05.10.2022 (87) US2013053863 13.03.2014	(51) H04J 3/24 H04J 3/06 H04L 27/00 H03M 9/00 (11) EP3389202 (21) EP17305449.5 (47) 05.10.2022 (22) 14.04.2017 (54) MULTI-FREQUENCY TRANSMITTER AND ASSOCIATED METHOD
(51) H04B 7/06 H04B 7/08	(22) 06.08.2013 (54) METHODS AND SYSTEMS FOR VEHICLE BROADBAND CONNECTION TO A DATA NETWORK	(73) Nokia Solutions and Networks Oy (72) DUPAS, Arnaud LAYEC, Patricia DUTISSEUIL, Eric
(11) EP3840243 (21) EP19218796.1 (47) 05.10.2022 (22) 20.12.2019 (54) ITERATIVE BEAM TRAINING METHOD FOR ACCESSING A MM-WAVE NETWORK	(73) The Boeing Company (72) LEE, Donald B. KUMAR, Anil NGUYEN, Nha T. MITCHELL, Timothy M. (31) 201213606119 (32) 07.09.2012 (33) United States of America	(51) H04J 11/00 H04J 13/12 H04J 13/00 H04J 13/18 H04L 5/00 (11) EP2567481 (21) EP11777120.4 (47) 05.10.2022 (87) CN2011072389 10.11.2011 (22) 01.04.2011 (54) ORTHOGONAL CODES BASED CODE DIVISION MULTIPLEXING METHOD, MULTIPLEXING DEVICE, AND DE- MULTIPLEXING DEVICE
(73) Commissariat à l'énergie atomique et aux énergies alternatives (72) DENIS, Benoît DE DOMENICO, Antonio GHATAK, Gourab KOIRALA, Remun	(51) H04B 7/185 H04B 7/204 H01Q 3/00 H01Q 3/26 (11) EP3970285 (21) EP20765340.3 (47) 05.10.2022 (87) GB2020052065 04.03.2021 (22) 28.08.2020 (54) TRANSMIT ANTENNA CALIBRATION SYSTEM AND METHOD	(73) Sun Patent Trust (72) ZHANG, Zhi XU, Ming HOSHINO, Masayuki NAKAO, Seigo IMAMURA, Daichi
(51) H04B 7/08 H04B 7/204 H04B 7/185	(73) Airbus Defence and Space Limited (72) LARIA, Esteban LAWS, Stephen RAMSEY, Winston (31) 201912420	
(11) EP3739770 (21) EP20171657.8 (47) 05.10.2022 (22) 27.04.2020 (54) SATELLITE TELECOMMUNICATION SYSTEM WITH TRANSPARENT DIGITAL PROCESSOR AND BEAM HOPPING		
(73) THALES (72) CHARRAT, Bernard VOISIN, Philippe DERVIN, Mathieu (31) 1905026 (32) 16.05.2019 (33) France		
(51) H04B 7/155 (11) EP2880779		

(31) 201010175872	(11) EP3332589	(21) EP19212163.0
(32) 06.05.2010	(21) EP16757972.1	(47) 05.10.2022
(33) China	(47) 05.10.2022	(22) 08.03.2018
(51) H04J 11/00	(87) IB2016054758	(54) METHOD AND APPARATUS FOR
H04L 27/26	09.02.2017	TRANSMITTING AND RECEIVING
H04L 5/00	(22) 05.08.2016	RADIO SIGNALS IN A WIRELESS
(11) EP3447941	(54) SYSTEM INFORMATION BLOCK	COMMUNICATION SYSTEM
(21) EP18197033.6	ENHANCEMENTS	(73) LG Electronics Inc.
(47) 05.10.2022	(73) Telefonaktiebolaget LM Ericsson (publ)	(72) YANG, Suckchel
(22) 07.08.2008	(72) BONTU, Chandra	KIM, Kijun
(54) COMMUNICATION DEVICE AND	KANESALINGAM, Prabakaran	KIM, Seonwook
METHOD	CHEONG, Patrick Lie Chin	PARK, Changhwan
(73) Godo Kaisha IP Bridge 1	(31) 201562209447 P	AHN, Joonkui
(72) IWAI, Takashi	201562201250 P	PARK, Hanjun
IMAMURA, Daichi	(32) 25.08.2015	HWANG, Seunggye
TAKATA, Tomofumi	05.08.2015	(31) 201762566339 P
MATSUMOTO, Atsushi	(33) United States of America	201762520562 P
OGAWA, Yoshihiko	United States of America	201762501048 P
FUTAGI, Sadaki	(51) H04L 1/08	201762475860 P
(31) 2007207187	H04L 47/34	201762469546 P
(32) 08.08.2007	H04W 28/02	201762468380 P
(33) Japan	H04W 72/08	(32) 30.09.2017
(51) H04J 14/02	H04L 1/18	16.06.2017
H04B 10/2575	H04L 1/20	03.05.2017
(11) EP3447942	(11) EP3703448	23.03.2017
(21) EP18195834.9	(21) EP18871000.8	10.03.2017
(47) 05.10.2022	(47) 05.10.2022	08.03.2017
(22) 26.08.2014	(87) CN2018104957	(33) United States of America
(54) WAVE DIVISION MULTIPLEXER	02.05.2019	United States of America
ARRANGEMENT FOR SMALL CELL	(22) 11.09.2018	United States of America
NETWORKS	(54) RADIO RESOURCE CONFIGURATION	United States of America
(73) Commscope Technologies LLC	METHOD, AND BASE STATION	United States of America
(72) GRONVALL, Erik J.	(73) VIVO MOBILE COMMUNICATION CO.,	United States of America
SMITH, Trevor D.	LTD.	(51) H04L 1/16
BADAR, Timothy G.	(72) WU, Yumin	H04L 27/26
LEFEBVRE, Anthony L.	(31) 201711025728	H04B 7/26
(31) 201361869984 P	(32) 27.10.2017	H04W 72/04
(32) 26.08.2013	(33) China	H04L 1/18
(33) United States of America	(51) H04L 1/16	H04L 5/00
(51) H04L 1/00	H04L 1/18	H04L 5/14
H03M 13/13	H04J 11/00	H04W 36/00
(11) EP3474471	H04B 1/69	H04L 1/00
(21) EP17815672.5	H04L 27/26	(11) EP3687090
(47) 05.10.2022	(11) EP3806365	(21) EP20162879.9
(87) KR2017006408	(21) EP20212180.2	(47) 05.10.2022
28.12.2017	(47) 05.10.2022	(22) 02.11.2011
(22) 19.06.2017	(22) 14.08.2008	(54) METHOD AND DEVICE FOR
(54) DATA TRANSMISSION METHOD AND	(54) METHOD FOR ACQUIRING	TRANSMITTING UPLINK CONTROL
TRANSMITTER	RESOURCE REGION INFORMATION	INFORMATION IN WIRELESS
(73) LG Electronics Inc.	FOR PHICH	COMMUNICATION SYSTEM
(72) HWANG, Seunggye	(73) LG ELECTRONICS INC.	(73) LG ELECTRONICS INC.
KIM, Kijun	(72) AHN, Joon Kui	(72) LEE, Hyunwoo
KYEONG, Soocheol	KIM, Bong Hoe	CHUNG, Jaehoon
KIM, Bonghoe	YUN, Young Woo	HAN, Seunghee
KIM, Jinwoo	KIM, Ki Jun	(31) 201161481257 P
NOH, Kwangseok	LEE, Jung Hoon	201161450140 P
SHIN, Jongwoong	LEE, Dae Won	41279410 P
AHN, Joonkui	SEO, Dong Youn	41236210 P
YOU, Hyangsun	ROH, Dong Wook	41034910 P
(31) 201662401842 P	YOON, Suk Hyon	40999410 P
201662352013 P	(31) 955863 P	40954710 P
(32) 29.09.2016	(32) 14.08.2007	40948510 P
19.06.2016	(33) United States of America	(32) 02.05.2011
(33) United States of America	(51) H04L 1/16	08.03.2011
United States of America	H04L 1/18	12.11.2010
(51) H04L 1/08	H04L 1/00	10.11.2010
H04L 5/00	H04L 5/00	05.11.2010
H04W 52/02	(11) EP3633896	04.11.2010

03.11.2010	H04W 52/02	(54) MULTIPLEXED MESSAGING IN
02.11.2010	H04W 76/28	WIRELESS NETWORK
(33) United States of America	(11) EP3479639	(73) Nokia Technologies Oy
United States of America	(21) EP17757643.6	(72) RANTALA, Enrico-Henrik
United States of America	(47) 05.10.2022	AHMED, Wessam Affi
United States of America	(87) US2017046655	KNECKT, Jarkko
United States of America	15.02.2018	MARIN, Janne
United States of America	(22) 12.08.2017	KASSLIN, Mika
United States of America	(54) DISCONTINUOUS RECEPTION FOR	TUOMAALA, Esa
United States of America	A SHORTENED TRANSMISSION TIME	ALANEN, Olli
United States of America	INTERVAL AND PROCESSING TIME	CHOUDHURY, Sayantan
(51) H04L 1/18	(73) Motorola Mobility LLC	(51) H04L 5/00
(11) EP3281332	(72) BAGHERI, Hossein	(11) EP3662602
(21) EP16776009.9	NORY, Ravikiran	(21) EP17751495.7
(47) 05.10.2022	NANGIA, Vijay	(47) 05.10.2022
(87) CN2016071183	KUCHIBHOTLA, Ravi	(87) SE2017050801
13.10.2016	(31) 201715633908	07.02.2019
(22) 18.01.2016	201662374740 P	(22) 04.08.2017
(54) METHOD AND USER EQUIPMENT FOR	(32) 27.06.2017	(54) HANDLING SOUNDING REFERENCE
COMPACTING HARQ FEEDBACK	12.08.2016	SIGNALING
(73) Telefonaktiebolaget LM Ericsson (publ)	(33) United States of America	(73) Telefonaktiebolaget LM Ericsson (Publ)
(72) LIU, Jinhua	United States of America	(72) BALDEMAIR, Robert
LI, Shaohua	(51) H04L 5/00	GRANT, Stephen
SONG, Xinghua	(11) EP2721760	HESSLER, Martin
(31) PCT/CN2015/076317	(21) EP12727386.0	(51) H04L 5/00
(32) 10.04.2015	(47) 05.10.2022	(11) EP3288211
(33) World Intellectual Property Office (WIPO)	(87) FI2012050483	(21) EP17171900.8
(51) H04L 1/18	20.12.2012	(47) 05.10.2022
(11) EP3566355	(22) 22.05.2012	(22) 26.12.2012
(21) EP17705180.2	(54) CHANNEL SELECTION IN WIRELESS	(54) METHOD FOR MAPPING CONTROL
(47) 05.10.2022	COMMUNICATIONS	CHANNEL RESOURCES, BASE
(87) IB2017050723	(73) Telenor Maritime Oy	STATION, AND USER EQUIPEMENT
12.07.2018	(72) LINDÉN, Toni	(73) Huawei Technologies Co., Ltd.
(22) 09.02.2017	RAUSTIA, Matti	(72) GAO, Chi
(54) DECODING PARTIAL RADIO	VANNINEN, Teemu	XIA, Liang
TRANSMISSIONS	(31) 20115590	ZHOU, Mingyu
(73) Telefonaktiebolaget LM Ericsson (PUBL)	(32) 14.06.2011	LIU, Kunpeng
(72) FRÖBERG OLSSON, Jonas	(33) Finland	(31) 201210146516
ERIKSSON, Erik	(51) H04L 5/00	201210004648
HESSLER, Martin	(11) EP3251276	(32) 11.05.2012
LJUNGVALL, Simon	(21) EP16706057.3	09.01.2012
(31) 201762444072 P	(47) 05.10.2022	(33) China
(32) 09.01.2017	(87) US2016015452	China
(33) United States of America	04.08.2016	(51) H04L 5/00
(51) H04L 1/18	(22) 28.01.2016	H04B 7/02
H04L 5/00	(54) DOWNLINK CONTROL SIGNALING	H04W 72/04
(11) EP3667971	(73) Interdigital Patent Holdings, Inc.	(11) EP2826191
(21) EP18844369.1	(72) PELLETIER, Ghyslain	(21) EP12708845.8
(47) 05.10.2022	MARINIER, Paul	(47) 05.10.2022
(87) KR2018008884	RUDOLF, Marian	(87) EP2012054539
14.02.2019	TOOHER, J. Patrick	19.09.2013
(22) 06.08.2018	(31) 201562161089 P	(22) 15.03.2012
(54) METHOD FOR TRANSMITTING AND	201562144861 P	(54) WIRELESS MULTI-FLOW
RECEIVING UPLINK CONTROL	201562109003 P	COMMUNICATIONS IN THE UPLINK
CHANNEL AND DEVICE THEREFOR	(32) 13.05.2015	(73) Nokia Solutions and Networks Oy
(73) LG Electronics Inc.	08.04.2015	(72) ROSA, Claudio
(72) KWAK, Kyuhwan	28.01.2015	WU, Chunli
LEE, Seungmin	(33) United States of America	(51) H04L 5/00
YI, Yunjung	United States of America	H04B 7/022
LEE, Hyunho	United States of America	H04B 7/024
HWANG, Daesung	United States of America	H04B 7/06
(31) 201762593153 P	(51) H04L 5/00	H04W 4/70
201762543415 P	(11) EP3357181	H04W 4/20
(32) 30.11.2017	(21) EP15781000.3	(11) EP3695555
10.08.2017	(47) 05.10.2022	(21) EP18796550.4
(33) United States of America	(87) US2015052555	(47) 05.10.2022
United States of America	06.04.2017	(87) US2018055584
(51) H04L 1/18	(22) 28.09.2015	18.04.2019
H04W 72/12		

(22) 12.10.2018	(22) 31.10.2017	(32) 15.02.2019
(54) DYNAMIC TRANSMISSION CONFIGURATION INDICATION STATE UPDATING	(54) METHOD AND DEVICE FOR DETECTING CONTROL SIGNAL IN WIRELESS CELLULAR COMMUNICATION SYSTEM	02.11.2018 28.09.2018 09.08.2018
(73) QUALCOMM Incorporated	(73) Samsung Electronics Co., Ltd.	(33) Korea (Republic) Korea (Republic) Korea (Republic) United States of America
(72) JOHN WILSON, Makesh Pravin LUO, Tao AKKARAKARAN, Sony NAGARAJA, Sumeeth WANG, Xiao Feng MONTJOJO, Juan CHEN, Shengbo NAM, Wooseok ZHOU, Yan	(72) YEO, Jeongho OH, Jinyoung PARK, Sungjin	<hr/>
(31) 201816158272 201762572270 P	(31) 20160146068	(51) H04L 5/00 H04L 27/26 H04W 84/12 H04B 7/0452
(32) 11.10.2018 13.10.2017	(32) 03.11.2016	(11) EP3866380 (21) EP21167125.0 (47) 05.10.2022 (22) 21.08.2015
(33) United States of America United States of America	(33) Korea (Republic)	(54) METHOD AND APPARATUS FOR PERFORMING SIGNALING FOR RESERVED SUB-BAND IN WIRELESS COMMUNICATION SYSTEM
<hr/>	<hr/>	<hr/>
(51) H04L 5/00 H04H 20/42 H04W 4/06	(51) H04L 5/00 H04L 5/14 H04W 56/00	(73) LG Electronics Inc. (72) KIM, Jeongki CHUN, Jinyoung CHO, Hangyu CHOI, Jinsoo RYU, Kiseon
(11) EP3031162 (21) EP14759370.1 (47) 05.10.2022 (87) US2014050594 19.02.2015	(22) 11.08.2017 (54) LATENCY REDUCTION IN TDD SYSTEMS WITH CARRIER AGGRAGATION	(31) 201462040430 P (32) 22.08.2014 (33) United States of America
(22) 11.08.2014	(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	<hr/>
(54) BROADCAST/BROADBAND CONVERGENCE NETWORK	(72) FEHRENBACH, Thomas WIERUCH, Dennis HOLFELD, Bernd WIRTH, Thomas HELLGE, Cornelius THIELE, Lars HAUSTEIN, Thomas	(51) H04L 5/00 H04W 52/02 H04W 76/28 H04L 1/18 H04W 74/08
(73) Coherent Logix, Incorporated	(31) 16183899	(11) EP3809761 (21) EP19853320.0 (47) 05.10.2022 (87) CN2019103506 05.03.2020
(72) ENG, Tommy SHELBY, Kevin	(32) 11.08.2016	(22) 30.08.2019
(31) 201361864976 P 201361864631 P	(33) European Patent Office (EPO)	(54) MONITORING METHOD AND DEVICE (73) HUAWEI TECHNOLOGIES CO., LTD.
(32) 12.08.2013 11.08.2013	<hr/>	(72) CAI, Yu XU, Haibo WANG, Jian
(33) United States of America United States of America	(51) H04L 5/00 H04L 27/26 H04L 25/02 H04W 72/00 G05D 1/00 G06N 3/08 H04L 1/00 H04L 1/08 H04L 1/18	(31) 201811011912 (32) 31.08.2018 (33) China
<hr/>	<hr/>	<hr/>
(51) H04L 5/00 H04L 1/18	(11) EP3836466 (21) EP19848300.0 (47) 05.10.2022 (87) KR2019010154 13.02.2020	(51) H04L 5/00 H04W 72/04 H04L 27/26
(11) EP3311522 (21) EP15895849.6 (47) 05.10.2022 (87) US2015066655 22.12.2016	(22) 09.08.2019	(11) EP3573396 (21) EP17896240.3 (47) 05.10.2022 (87) CN2017073072 16.08.2018
(22) 18.12.2015	(54) METHOD FOR IMPROVING TRANSMISSION AND RECEPTION PERFORMANCE OF LTE MTC DOWNLINK CONTROL CHANNEL AND APPARATUS THEREFOR	(22) 07.02.2017
(54) ACK/NACK SIGNALS FOR NEXT GENERATION LTE DEVICES AND SYSTEMS	(73) LG Electronics, Inc.	(54) RADIO COMMUNICATION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE
(73) Apple Inc.	(72) KIM, Jaehyung KIM, Seonwook PARK, Changhwan SHIN, Seokmin AHN, Joonkui YANG, Suckchel HWANG, Seunggye	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(72) XIONG, Gang NIU, Huaning SHIRANI-MEHR, Hooman ZHANG, Yushu ZHU, Yuan	(72) KIM, Jaehyung KIM, Seonwook PARK, Changhwan SHIN, Seokmin AHN, Joonkui YANG, Suckchel HWANG, Seunggye	(72) LIN, Yanan
(31) 201562180971 P	(31) 20190018253 20180133983 20180116637 201862716970 P	<hr/>
(32) 17.06.2015		(51) H04L 5/00 H04W 72/04 H04W 16/28 H04W 72/12 H04L 25/00
(33) United States of America		
<hr/>		
(51) H04L 5/00 H04L 1/18 H04L 1/00		
(11) EP3522429 (21) EP17867192.1 (47) 05.10.2022 (87) KR2017012124 11.05.2018		

(11) EP3654708	(73) 7tunnels, Inc.	(72) COGGIN, Jay S.
(21) EP17917575.7	(72) HAMMON, Michael, L.	KLINGLER, Daniel C.
(47) 05.10.2022	MCCARTHY, Kevin, R.	BROGLE, Kyle C.
(87) JP2017025188	(31) 201562152816 P	SCHMIDT, Johannes P.
17.01.2019	(32) 24.04.2015	ALLAMANACHE, Eric A.
(22) 10.07.2017	(33) United States of America	ALSINA, Thomas
(54) USER TERMINAL AND WIRELESS	(51) H04L 9/32	BRADLEY, Bob
COMMUNICATION METHOD	G06F 21/64	NELSON, Alex T.
(73) NTT DOCOMO, INC.	G06F 21/46	VAN DER MERWE, Rudolph
(72) MOROGA, Hideyuki	H04L 9/40	TRISCARI, Joseph M.
TAKEDA, Kazuaki	(11) EP3799683	LEE, Keun Sup
SAITO, Keisuke	(21) EP20725750.2	MARI, Pedro
NAGATA, Satoshi	(47) 05.10.2022	ELDER, Aaron M.
(51) H04L 5/00	(87) CN2020078222	POWELL, Richard M.
H04W 72/14	22.05.2020	(31) 201715721301
H04W 72/04	(22) 06.03.2020	201762556359 P
H04L 5/14	(54) METHODS AND DEVICES FOR	201762507150 P
H04L 1/00	GENERATING AND VERIFYING	(32) 29.09.2017
H04W 52/02	PASSWORDS	09.09.2017
(11) EP3541004	(73) Alipay (Hangzhou) Information	16.05.2017
(21) EP19173232.0	Technology Co., Ltd.	(33) United States of America
(47) 05.10.2022	(72) XU, Hui	United States of America
(22) 10.08.2009	(51) H04L 9/40	United States of America
(54) WIRELESS COMMUNICATION	G05B 15/00	(51) H04L 9/40
BASE STATION DEVICE, WIRELESS	G05B 19/042	G06F 21/55
COMMUNICATION TERMINAL, AND	(11) EP3480667	(11) EP3783845
CONTROL INFORMATION CREATION	(21) EP17200401.2	(21) EP19807702.6
METHOD	(47) 05.10.2022	(47) 05.10.2022
(73) Sun Patent Trust	(22) 07.11.2017	(87) JP2019016207
(72) NISHIO, Akihiko	(54) CABLE PROCESSING MACHINE	28.11.2019
NAKAO, Seigo	CONTROL SYSTEM, CABLE	(22) 15.04.2019
SAITO, Yoshiko	PROCESSING MACHINE SYSTEM	(54) DETERMINATION METHOD,
GOLITSCHKE EDLER VON ELBWART,	AND METHOD FOR MONITORING AND	DETERMINATION DEVICE AND
Alexander	CONTROLLING CABLE PROCESSING	DETERMINATION PROGRAM
(31) 2008207369	MACHINES	(73) NIPPON TELEGRAPH AND
(32) 11.08.2008	(73) KOMAX HOLDING AG	TELEPHONE CORPORATION
(33) Japan	(72) EMMENEGGER, Daniel	(72) KANEMOTO, Yo
(51) H04L 9/00	ARPAGAUS, Beat	AOKI, Kazufumi
H04L 9/08	(51) H04L 9/40	(31) 2018097419
H04L 9/30	G06F 21/34	(32) 21.05.2018
G06F 21/60	H04L 9/32	(33) Japan
G06F 21/62	H04L 9/08	(51) H04L 9/40
(11) EP3826222	(11) EP3699791	G06F 21/56
(21) EP21164264.0	(21) EP20163127.2	G06F 21/55
(47) 05.10.2022	(47) 05.10.2022	(11) EP3826263
(22) 23.03.2021	(22) 09.05.2017	(21) EP20208964.5
(54) METHOD AND APPARATUS	(54) ACCESS CONTROL WITH A MOBILE	(47) 05.10.2022
FOR OBTAINING PRIVACY SET	RADIO DEVICE	(22) 20.11.2020
INTERSECTION, DEVICE AND	(73) Bundesdruckerei GmbH	(54) METHOD FOR COMBINING A
STORAGE MEDIUM	(72) MORGNER, Frank	FIREWALL AND A FORENSICS
(73) BEIJING BAIDU NETCOM SCIENCE	(31) 102016208512	AGENT TO DETECT AND PREVENT
AND TECHNOLOGY CO. LTD.	(32) 18.05.2016	MALICIOUS SOFTWARE ACTIVITY
(72) SONG, Chuanyuan	(33) Germany	(73) CrowdStrike, Inc.
FENG, Zhi	(51) H04L 9/40	(72) ZINAR, Yaron
LYU, Liangliang	G06F 21/45	SHEINFELD, Sagi
(31) 202010789775	H04W 12/06	KARNI, Eyal
(32) 07.08.2020	H04W 12/50	(31) 201916689702
(33) China	H04W 4/80	(32) 20.11.2019
(51) H04L 9/06	(11) EP3610667	(33) United States of America
H04L 9/08	(21) EP18802943.3	(51) H04L 9/40
(11) EP3286870	(47) 05.10.2022	G06F 21/75
(21) EP16824823.5	(87) US2018015163	H04L 9/00
(47) 05.10.2022	22.11.2018	G06F 21/78
(87) US2016028504	(22) 25.01.2018	G06F 21/86
19.01.2017	(54) TECHNIQUES FOR VERIFYING	H04L 9/08
(22) 20.04.2016	USER INTENT AND SECURELY	G06F 11/07
(54) RANDOM CIPHER PAD	CONFIGURING COMPUTING DEVICES	G06F 21/55
CRYPTOGRAPHY	(73) Apple Inc.	H04L 12/40

(11) EP3696025	(54) ELECTRONIC DEVICES, SYSTEMS	H04L 49/00
(21) EP18865747.2	AND METHODS FOR VEHICULAR	H04L 61/103
(47) 05.10.2022	COMMUNICATION	H04L 61/5069
(87) JP2018037701	(73) Sony Group Corporation	H04L 101/622
18.04.2019	(72) CRONIE, Harm	H04L 69/18
(22) 10.10.2018	NOLAN, Julian	(11) EP3602962
(54) VEHICLE CONTROL DEVICE	KOIKE, Makoto	(21) EP18717771.2
(73) Hitachi Astemo, Ltd.	(51) H04L 12/10	(47) 05.10.2022
(72) MORITA, Nobuyoshi	(11) EP3507940	(87) US2018023837
IDEGUCHI, Kota	(21) EP17847419.3	27.09.2018
(31) 2017199331	(47) 05.10.2022	(22) 22.03.2018
(32) 13.10.2017	(87) US2017049241	(54) SYSTEM AND METHOD TO
(33) Japan	08.03.2018	PROVIDE MULTICAST GROUP
(51) H04L 9/40	(22) 30.08.2017	MEMBERSHIP DEFINED RELATIVE
H04L 9/32	(54) A SYSTEM FOR PROVIDING DC	TO PARTITION MEMBERSHIP IN A
H04W 12/06	POWER USING A COMMUNICATION	HIGH PERFORMANCE COMPUTING
H04W 4/00	NETWORK	ENVIRONMENT
H04W 12/069	(73) Commscope Technologies LLC	(73) Oracle International Corporation
H04W 12/50	(72) KURK, Morgan C.	(72) JOHNSEN, Bjørn Dag
H04W 84/10	WILLIAMSON, Michael J.	BOGDANSKI, Bartosz
H04W 4/80	(31) 201662382369 P	HOLEN, Line
H04L 9/08	(32) 01.09.2016	(31) 201815927448
(11) EP3602997	(33) United States of America	201762547264 P
(21) EP18709640.9	(51) H04L 12/14	201762547261 P
(47) 05.10.2022	H04W 4/24	201762547260 P
(87) EP2018056491	H04W 16/00	201762547259 P
27.09.2018	(11) EP3874682	201762547258 P
(22) 15.03.2018	(21) EP19801468.0	201762547255 P
(54) MUTUAL AUTHENTICATION SYSTEM	(47) 05.10.2022	201762547225 P
(73) Koninklijke Philips N.V.	(87) EP2019079271	201762547223 P
(72) BERNSEN, Johannes Arnoldus Cornelis	07.05.2020	201762547218 P
VAN DE LAAR, Franciscus Antonius	(22) 25.10.2019	201762547213 P
Maria	(54) METHOD FOR DIMENSIONING A PCRF	201762547206 P
LINDERS, Ronald Felix Albertus	MODULE OF A COMMUNICATION	201762547203 P
(31) 17161856	SYSTEM	201762476423 P
(32) 20.03.2017	(73) Telecom Italia S.p.A.	(32) 21.03.2018
(33) European Patent Office (EPO)	(72) LEPSCHY, Chiara	18.08.2017
(51) H04L 9/40	SILLETTA, Francesco	18.08.2017
H04L 67/141	(31) 201800009960	18.08.2017
H04L 45/00	(32) 31.10.2018	18.08.2017
(11) EP3588900	(33) Italy	18.08.2017
(21) EP19173066.2	(51) H04L 12/18	18.08.2017
(47) 05.10.2022	G06F 16/27	18.08.2017
(22) 07.05.2019	H04L 9/40	18.08.2017
(54) SYSTEM AND METHOD OF	H04L 41/0893	18.08.2017
ANALYZING THE CONTENT OF	H04L 41/0896	18.08.2017
ENCRYPTED NETWORK TRAFFIC	H04L 45/16	18.08.2017
(73) AO Kaspersky Lab	H04L 67/1095	18.08.2017
(72) KOGAN, Sergey V.	(11) EP3968569	24.03.2017
RODIONOV, Denis V.	(21) EP21205994.3	(33) United States of America
MAKAROV, Alexander N.	(47) 05.10.2022	United States of America
TOTMAKOV, Alexey S.	(22) 08.06.2018	United States of America
KOLMAKOV, Petr Y.	(54) LINEARLY SCALABLE NETWORK	United States of America
(31) 2018123684	SECURITY ARCHITECTURE	United States of America
201916275841	(73) Secucloud GmbH	United States of America
(32) 29.06.2018	(72) GONZALES, Erick	United States of America
14.02.2019	(51) H04L 12/18	United States of America
(33) Russian Federation	H04L 41/0806	United States of America
United States of America	H04L 41/0893	United States of America
(51) H04L 9/40	H04L 41/12	United States of America
H04W 4/02	H04L 45/48	United States of America
H04W 12/08	H04L 45/16	United States of America
(11) EP3528449	H04L 47/36	United States of America
(21) EP18157115.9	H04L 49/356	(51) H04L 12/40
(47) 05.10.2022	G06F 9/455	H04L 12/407
(22) 16.02.2018	H04L 49/15	(11) EP3854035
	H04L 41/0853	(21) EP19805244.1
	H04L 49/201	(47) 05.10.2022



(87) EP2019081308 04.06.2020	SUBRAMANIYAM, Rahul, Korivi	(31) 2005228687
(22) 14.11.2019	WANG, Howard	(32) 05.08.2005
(54) DATA TRANSMISSION METHOD AND AUTOMATION COMMUNICATION NETWORK	SINGH, Ram, Dular	(33) Japan
(73) Beckhoff Automation GmbH	(31) 201514840277	(51) H04L 27/26
(72) BECKHOFF, Hans	201514840228	(11) EP3384713
BÜTTNER, Holger	201514840309	(21) EP15911178.0
JANSSEN, Dirk	201562186623 P	(47) 05.10.2022
(31) 102018129813	(32) 31.08.2015	(87) CN2015098893
(32) 26.11.2018	31.08.2015	29.06.2017
(33) Germany	31.08.2015	(22) 25.12.2015
(51) H04L 12/40	30.06.2015	(54) METHOD AND APPARATUS FOR DETERMINING CP VALUE
H04L 12/66	(33) United States of America	(73) Huawei Technologies Co., Ltd.
H04L 49/9057	United States of America	(72) TSODIK, Genadiy
(11) EP3871377	United States of America	WANG, Ningjuan
(21) EP19805922.2	United States of America	YU, Jian
(47) 05.10.2022	United States of America	XUE, Xin
(87) EP2019081190	(51) H04L 25/03	SHILO, Shimi
04.06.2020	G08G 3/02	EZRI, Doron
(22) 13.11.2019	H04B 7/185	REDLICH, Oded
(54) DISTRIBUTOR NODE, AUTOMATION NETWORK AND METHOD FOR TRANSMITTING TELEGRAMS	H04L 25/06	LIU, Le
(73) Beckhoff Automation GmbH	(11) EP3128707	LIN, Wei
(72) BECKHOFF, Hans	(21) EP16001727.3	(51) H04L 27/26
BÜTTNER, Holger	(47) 05.10.2022	(11) EP3726793
JANSSEN, Dirk	(22) 03.08.2016	(21) EP20179201.7
(31) 102018129809	(54) CO-CHANNEL SPATIAL SEPARATION USING MATCHED DOPPLER FILTERING	(47) 05.10.2022
(32) 26.11.2018	(73) Harris Corporation	(22) 26.01.2018
(33) Germany	(72) Dyson, Timothy F.	(54) ADAPTIVE SUBCARRIER SPACING CONFIGURATION
(51) H04L 12/46	McPherson, Rodney K.	(73) QUALCOMM Incorporated
H04L 45/00	(31) 201514820709	(72) LY, Hung
H04L 45/24	(32) 07.08.2015	XU, Hao
H04L 47/10	(33) United States of America	CHEN, Wanshi
H04L 47/125	(51) H04L 27/18	GAAL, Peter
H04L 41/08	(11) EP2888851	JI, Tingfang
(11) EP3267637	(21) EP13830038.9	MALLADI, Durga Prasad
(21) EP17185828.5	(47) 05.10.2022	(31) 201815880218
(47) 05.10.2022	(87) GB2013052235	201762451425 P
(22) 12.11.2007	27.02.2014	(32) 25.01.2018
(54) HASH-BASED MULTI-HOMING	(22) 23.08.2013	27.01.2017
(73) ORCKIT IP, LLC	(54) PHASE OFFSET DETECTION AND CORRECTION OF A NOISY ANALOGUE SIGNAL	(33) United States of America United States of America
(72) AGMON, Gideon	(73) Hanwha Phasor Ltd.	(51) H04L 27/26
ZELIG, David	(72) MAYO, Richard, Hammond	H04L 1/00
MENAHEMI, Zvika	(31) 201215114	H04L 1/16
(31) 778286	(32) 24.08.2012	(11) EP3188431
559037	(33) United Kingdom	(21) EP15835269.0
(32) 16.07.2007	(51) H04L 27/18	(47) 05.10.2022
13.11.2006	H04L 27/34	(87) KR2015008993
(33) United States of America	H04L 27/38	03.03.2016
United States of America	H04L 1/00	(22) 27.08.2015
(51) H04L 12/46	H04B 15/00	(54) METHOD AND DEVICE FOR TRANSMITTING DATA IN A WIRELESS COMMUNICATION SYSTEM
H04L 45/00	H04L 25/02	(73) LG Electronics Inc.
H04L 49/00	H04B 1/40	(72) CHUN, Jinyoung
G06F 9/455	(11) EP3739831	RYU, Kiseon
(11) EP3716553	(21) EP20184477.6	LEE, Wookbong
(21) EP20175769.7	(47) 05.10.2022	CHO, Hangyu
(47) 05.10.2022	(22) 04.08.2006	(31) 201562100065 P
(22) 27.06.2016	(54) RADIO COMMUNICATION APPARATUS AND RADIO COMMUNICATION METHOD FOR CHANNEL ESTIMATION	201462042759 P
(54) INTERMEDIATE LOGICAL INTERFACES IN A VIRTUAL DISTRIBUTED ROUTER ENVIRONMENT	(73) Panasonic Holdings Corporation	(32) 06.01.2015
(73) Nicira, Inc.	(72) MIYOSHI, Kenichi	27.08.2014
(72) AGARWAL, Vivek	SUZUKI, Hidetoshi	(33) United States of America United States of America
CHANDRASHEKHAR, Ganesan	HIRAMATSU, Katsuhiko	(51) H04L 27/26
	WENGERTER, Christian	H04L 5/00
	GOLITSCHKE EDLER VON ELBWART, Alexander	(11) EP2286563

(21) EP09763467.9	(87) EP2016068763	H04W 4/50
(47) 05.10.2022	08.02.2018	H04W 4/70
(87) US2009046785	(22) 05.08.2016	H04W 48/18
17.12.2009	(54) METHOD AND APPARATUS FOR	(11) EP3777339
(22) 09.06.2009	LICENSING CONTROL IN A VIRTUAL	(21) EP18715583.3
(54) INTERFERENCE REDUCTION	NETWORK ENVIRONMENT	(47) 05.10.2022
BETWEEN OFDM CARRIERS BY	(73) Telefonaktiebolaget LM Ericsson (PUBL)	(87) EP2018057718
CARRIER SPACING OPTIMIZATION	(72) CELOZZI, Giuseppe	03.10.2019
(73) QUALCOMM Incorporated	(51) H04L 49/90	(22) 27.03.2018
(72) BREHLER, Matthias	H04L 47/2416	(54) OPTIMIZED TRANSMISSION OF
BANISTER, Brian, C.	H04L 47/32	APPLICATION DATA TO AN IOT
GAAL, Peter	(11) EP3718269	DEVICE
(31) 479553	(21) EP17818650.8	(73) Telefonaktiebolaget LM Ericsson (publ)
59859 P	(47) 05.10.2022	(72) LARMO, Anna
(32) 05.06.2009	(87) SE2017051199	JIMÉNEZ, Jaime
09.06.2008	06.06.2019	(51) H04L 67/1097
(33) United States of America	(22) 30.11.2017	H04W 4/60
United States of America	(54) PACKET VALUE BASED PACKET	G06F 16/188
(51) H04L 27/26	PROCESSING	G06F 16/178
H04L 5/00	(73) Telefonaktiebolaget LM Ericsson (publ)	G06F 16/955
H04B 7/06	(72) KESZEI, Csaba	(11) EP3186701
(11) EP3664481	NÁDAS, Szilveszter	(21) EP15835803.6
(21) EP18844854.2	KISS, Zoltan	(47) 05.10.2022
(47) 05.10.2022	(51) H04L 65/1069	(87) US2015046711
(87) CN2018100307	H04L 65/1104	03.03.2016
14.02.2019	H04L 65/1016	(22) 25.08.2015
(22) 13.08.2018	(11) EP3834397	(54) A METHOD AND COMPUTING DEVICE
(54) DATA RECEIVING METHOD, RELATED	(21) EP19797782.0	FOR ALLOWING SYNCHRONIZED
APPARATUS, AND COMPUTER	(47) 05.10.2022	ACCESS TO CLOUD
READABLE STORAGE MEDIUM AND	(87) IB2019000894	(73) Ctera Networks, Ltd.
COMPUTER PROGRAM PRODUCT	13.02.2020	(72) BRAND, Aron
(73) Huawei Technologies Co., Ltd.	(22) 09.08.2019	(31) 201462041941 P
(72) LI, Sainan	(54) TRANSPORT LAYER PROTOCOL FOR	(32) 26.08.2014
LIU, Yalin	SIP MESSAGE	(33) United States of America
HUANG, Huang	(73) Lenovo (Singapore) Pte. Ltd.	(51) H04L 67/125
(31) 201710689638	(72) ATARIUS, Roozbeh	H04L 9/40
(32) 11.08.2017	KARAMPATIS, Dimitrios	H04W 4/70
(33) China	KUNZ, Andreas	(11) EP3319299
(51) H04L 27/26	(31) 201862717673 P	(21) EP16893319.0
H04L 5/00	(32) 10.08.2018	(47) 05.10.2022
H04W 56/00	(33) United States of America	(87) CN2016109808
H04W 74/00	(51) H04L 65/60	14.09.2017
(11) EP3664527	H04L 69/14	(22) 14.12.2016
(21) EP18843736.2	H04L 1/00	(54) METHOD AND APPARATUS FOR
(47) 05.10.2022	H04L 1/18	CONTROLLING INTERNET OF THINGS
(87) KR2018009218	H04N 21/4363	DEVICE
14.02.2019	H04N 21/439	(73) China United Network Communications
(22) 10.08.2018	H04N 21/81	Group Company Limited
(54) METHOD FOR ADJUSTING	(11) EP3607752	(72) JIA, Xiongwei
UPLINK TIMING IN WIRELESS	(21) EP18781585.7	YAN, Binfeng
COMMUNICATION SYSTEM AND	(47) 05.10.2022	(31) 201610131316
DEVICE THEREFOR	(87) US2018022942	(32) 08.03.2016
(73) LG Electronics Inc.	11.10.2018	(33) China
(72) KIM, Jaehyung	(22) 16.03.2018	(51) H04L 67/146
YANG, Suckchel	(54) TRANSMITTING COMMON MODE	H04L 67/50
KIM, Seonwook	CONTROL DATA OVER AUDIO	H04L 67/02
PARK, Changhwan	RETURN CHANNEL	H04L 69/22
AHN, Joonkui	(73) Lattice Semiconductor Corporation	G06F 9/445
(31) 201762544238 P	(72) RANADE, Shrikant	G06F 16/958
(32) 11.08.2017	MING, Lei	H04L 67/564
(33) United States of America	HUANG, Jiong	H04L 67/00
(51) H04L 41/50	(31) 201715829670	(11) EP3823253
H04L 41/40	201762481429 P	(21) EP21165866.1
H04M 15/00	(32) 01.12.2017	(47) 05.10.2022
H04L 12/14	04.04.2017	(22) 30.03.2021
(11) EP3494668	(33) United States of America	(54) APPARATUS, COMPUTER PROGRAM
(21) EP16751264.9	United States of America	PRODUCT AND DATA PROCESSING
(47) 05.10.2022	(51) H04L 67/00	METHOD FOR A MINI APP

(73) BEIJING BAIDU NETCOM SCIENCE AND TECHNOLOGY CO., LTD.	PAKULA, David A.	(51) H04M 3/42
(72) CHEN, Du	HRISTOV, Stoyan P.	(11) EP3891971
DONG, Rui	NEEVEL, Jason B.	(21) EP20767687.5
LIU, Jiwei	MERZ, Nicholas G.	(47) 05.10.2022
(31) 202010707464	OWOC, Garrett R.	(87) US2020047780
(32) 21.07.2020	(31) 201916586726	17.06.2021
(33) China	201962897888 P	(22) 25.08.2020
(51) H04L 69/22	201962826951 P	(54) DETECTION OF SPOOFED CALLS USING CALL HEADER
H04L 65/65	(32) 27.09.2019	(73) Google LLC
H04L 65/70	09.09.2019	(72) LU, Shi
(11) EP3917112	29.03.2019	YIN, Jun
(21) EP21186801.3	(33) United States of America	YANG, Ji
(47) 05.10.2022	United States of America	(31) 201962948183 P
(22) 27.11.2014	United States of America	(32) 13.12.2019
(54) HYBRID RTP PAYLOAD FORMAT	(51) H04M 1/60	(33) United States of America
(73) Telefonaktiebolaget LM Ericsson (publ)	H04M 1/24	(51) H04N 1/00
(72) Bruhn, Stefan	G01C 21/36	H04N 5/232
(31) 201361909748 P	(11) EP3797506	H04N 5/77
(32) 27.11.2013	(21) EP18756097.4	(11) EP3232653
(33) United States of America	(47) 05.10.2022	(21) EP17165460.1
(51) H04L 69/321	(87) US2018044827	(47) 05.10.2022
H04L 69/322	06.02.2020	(22) 07.04.2017
H04W 80/02	(22) 01.08.2018	(54) IMAGE RECORDING APPARATUS AND METHOD FOR CONTROLLING THE SAME
H04W 36/02	(54) DETECTING AUDIO PATHS BETWEEN MOBILE DEVICES AND EXTERNAL DEVICES	(73) Canon Kabushiki Kaisha
H04W 36/00	(73) Google LLC	(72) OTA, Tomohiro
(11) EP3399724	(72) DISATNIK, Gil	NAKAJIMA, Michinori
(21) EP18170306.7	SHALTIEL, Shalom	(31) 2016191330
(47) 05.10.2022	(51) H04M 1/725	2016079862
(22) 02.05.2018	H04N 5/232	(32) 29.09.2016
(54) METHOD AND APPARATUS OF TRANSMITTING DATA DUPLICATION IN A WIRELESS COMMUNICATION SYSTEM	H04N 5/225	12.04.2016
(73) ASUSTek Computer Inc.	G06F 21/55	(33) Japan
(72) TSAI, Hsin-Hsi	H04N 1/00	Japan
PAN, Li-Te	G06F 21/60	(51) H04N 1/41
TSENG, Li-Chih	G06F 21/74	H04N 1/00
(31) 201762502430 P	G06F 21/84	H04N 1/23
(32) 05.05.2017	G06K 9/00	(11) EP3541060
(33) United States of America	H04N 5/913	(21) EP19161528.5
(51) H04M 1/02	(11) EP3560178	(47) 05.10.2022
G06K 9/00	(21) EP18745155.4	(22) 08.03.2019
G01S 15/89	(47) 05.10.2022	(54) IMAGE DATA PROCESSING METHOD AND PRINTING SYSTEM
G06V 40/13	(87) KR2018001090	(73) SCREEN Holdings Co., Ltd.
(11) EP3739855	02.08.2018	(72) YOKOUCHI, Kenichi
(21) EP19791526.7	(22) 25.01.2018	YAMAGUCHI, Rui
(47) 05.10.2022	(54) ELECTRONIC APPARATUS AND CONTROLLING METHOD THEREOF	(31) 2018046235
(87) CN2019083488	(73) Samsung Electronics Co., Ltd.	(32) 14.03.2018
31.10.2019	(72) KIM, Jin-su	(33) Japan
(22) 19.04.2019	(31) 20170012661	(51) H04N 5/225
(54) ELECTRONIC DEVICE	(32) 26.01.2017	G02B 7/04
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(33) Korea (Republic)	G03B 17/14
(72) WU, Anping	(51) H04M 3/22	H04N 17/00
(31) 201810368842	H04M 3/493	(11) EP3714593
(32) 23.04.2018	(11) EP3360313	(21) EP18896951.3
(33) China	(21) EP17771624.8	(47) 05.10.2022
(51) H04M 1/02	(47) 05.10.2022	(87) CN2018123368
H04N 5/225	(87) US2017049766	04.07.2019
(11) EP3716589	05.07.2018	(22) 25.12.2018
(21) EP20153613.3	(22) 31.08.2017	(54) METHODS AND SYSTEMS FOR IDENTIFYING CAMERA LENS
(47) 05.10.2022	(54) FEEDBACK CONTROLLER FOR DATA TRANSMISSIONS	(73) Zhejiang Dahua Technology Co., Ltd.
(22) 24.01.2020	(73) Google LLC	(72) WU, Wei
(54) PORTABLE ELECTRONIC DEVICE	(72) BHAYA, Gaurav	(31) 201711442862
(73) Apple Inc.	STETS, Robert	(32) 26.12.2017
(72) SPRAGGS, Ian A.	(31) 201615395694	(33) China
JARVIS, Daniel W.	(32) 30.12.2016	(51) H04N 5/369
	(33) United States of America	

H04N 5/376	(72) SUMIYOSHI, Shinichi	H04N 21/432
(11) EP3661192	HASEGAWA, Fumihito	(11) EP3039873
(21) EP18210578.3	(31) 2011178809	(21) EP14771981.9
(47) 05.10.2022	(32) 18.08.2011	(47) 05.10.2022
(22) 05.12.2018	(33) Japan	(87) US2014051813
(54) PIXEL DRIVE VOLTAGE GENERATION USING A CHARGE PUMP	(51) H04N 9/31	05.03.2015
(73) ams Sensors Belgium BVBA	G03B 21/00	(22) 20.08.2014
(72) Meynants, Guy	G05D 25/00	(54) PROVIDING RESPONSIVE VIDEO PREVIEWS DURING REWIND AND FAST FORWARD
Ruythooren, Koen	G02B 27/48	(73) Home Box Office Inc.
De Wit, Pieter	(11) EP3538953	(72) FURTWANGLER, Brandon, C.
(31) 18209515	(21) EP17869514.4	(31) 201314011083
(32) 30.11.2018	(47) 05.10.2022	(32) 27.08.2013
(33) European Patent Office (EPO)	(87) US2017060495	(33) United States of America
(51) H04N 5/3745	17.05.2018	
(11) EP3267678	(22) 08.11.2017	(51) H04Q 11/00
(21) EP17159053.2	(54) RGB PROJECTOR WITH MULTI- LASER BROADBAND LIGHT SOURCE AND METHOD FOR DYNAMICALLY CONTROLLING IMAGE CONTRAST RATIO	H04J 14/02
(47) 05.10.2022	(73) IPG Photonics Corporation	(11) EP3665901
(22) 03.03.2017	(72) SHKURIKHIN, Oleg	(21) EP17752103.6
(54) PIXEL ACQUISITION CIRCUIT, IMAGE SENSOR AND IMAGE ACQUISITION SYSTEM	AVDOKHIN, Alexey	(47) 05.10.2022
(73) OmniVision Sensor Solution (Shanghai) Co., Ltd	BABUSHKIN, Andrei	(87) EP2017070228
(72) CHEN, Shoushun	EROKHIN, Yuri	14.02.2019
(31) 201610537179	(31) 201662419185 P	(22) 09.08.2017
201615364057	(32) 08.11.2016	(54) OPTICAL SWITCHING APPARATUS AND METHODS
(32) 08.07.2016	(33) United States of America	(73) Telefonaktiebolaget LM Ericsson (PUBL)
29.11.2016		(72) TESTA, Francesco
(33) China	(51) H04N 13/10	OTON, Claudio
United States of America	G06T 15/10	
(51) H04N 7/173	G06T 15/20	(51) H04Q 11/00
G06F 13/00	H04N 19/597	H04J 14/02
H04H 60/73	H04N 19/46	(11) EP3656133
H04N 21/434	G03B 35/08	(21) EP18845881.4
H04N 21/462	H04N 13/117	(47) 05.10.2022
H04N 21/478	(11) EP3409012	(87) CN2018100267
H04N 21/6543	(21) EP17743776.1	21.02.2019
(11) EP2613528	(47) 05.10.2022	(22) 13.08.2018
(21) EP11821601.9	(87) FI2017050029	(54) ALL-OPTICAL NETWORKS BASED ON SWITCHABLE WAVELENGTH CONNECTS (SWCS)
(47) 05.10.2022	03.08.2017	(73) Huawei Technologies Co., Ltd.
(87) JP2011068901	(22) 20.01.2017	(72) XU, Qianfan
08.03.2012	(54) METHOD AND APPARATUS FOR PROCESSING VIDEO INFORMATION	ZHANG, Feng
(22) 23.08.2011	(73) Nokia Technologies Oy	SHEN, Xiao Andy
(54) RECEIVING DEVICE, RECEIVING METHOD AND PROGRAM	(72) NIEMELÄ, Marko	(31) 201816044208
(73) Saturn Licensing LLC	GRÖNHOLM, Kim	201762545759 P
(72) KITAHARA, Jun	(31) 20165059	(32) 24.07.2018
KITAZATO, Naohisa	(32) 29.01.2016	15.08.2017
DEWA, Yoshiharu	(33) Finland	(33) United States of America
YAMAGISHI, Yasuaki	(51) H04N 13/161	United States of America
(31) 378277 P	H04N 19/124	
201161515107 P	H04N 19/136	(51) H04R 1/24
(32) 30.08.2010	H04N 19/176	H04R 9/06
04.08.2011	H04N 19/597	H04R 23/02
(33) United States of America	(11) EP3771207	H04R 17/00
United States of America	(21) EP20187675.2	(11) EP3590271
	(47) 05.10.2022	(21) EP18718817.2
(51) H04N 9/31	(22) 24.07.2020	(47) 05.10.2022
(11) EP2745504	(54) SPATIALLY ADAPTIVE VIDEO COMPRESSION FOR MULTIPLE STREAMS OF COLOR AND DEPTH	(87) EP2018060048
(21) EP12823869.8	(73) Google LLC	25.10.2018
(47) 05.10.2022	(72) Hoppe, Hugues	(22) 19.04.2018
(87) JP2012070784	Price, True	(54) LOUDSPEAKER UNIT COMPRISING AN ELECTRODYNAMIC LOUDSPEAKER AND A MEMS LOUDSPEAKER
21.02.2013	(31) 201916523247	(73) Usound GmbH
(22) 09.08.2012	(32) 26.07.2019	(72) RUSCONI CLERICI BELTRAMI, Andrea
(54) IMAGE PROJECTOR, IMAGE PROCESSING METHOD, COMPUTER PROGRAM AND RECORDING MEDIUM	(33) United States of America	BOTTONI, Ferruccio
(73) Ricoh Company, Ltd.	(51) H04N 21/2387	(31) 102017108594
		(32) 21.04.2017

(33) Germany	(33) Italy	H04W 80/10
(51) H04R 1/28	(51) H04S 7/00	(11) EP3499919
H04R 3/08	G10L 19/008	(21) EP17839541.4
(11) EP2941012	(11) EP3651481	(47) 05.10.2022
(21) EP15165402.7	(21) EP19209955.4	(87) JP2017028963
(47) 05.10.2022	(47) 05.10.2022	15.02.2018
(22) 28.04.2015	(22) 26.05.2016	(22) 09.08.2017
(54) SPEAKER SYSTEM	(54) PROCESSING OBJECT-BASED AUDIO	(54) TERMINAL DEVICE, GATEWAY AND
(73) Panasonic Intellectual Property	SIGNALS	COMMUNICATION CONTROL METHOD
Management Co., Ltd.	(73) Dolby Laboratories Licensing Corp.	(73) Sharp Kabushiki Kaisha
(72) Kano, Sawako	(72) SEEFELDT, Alan J.	FG INNOVATION COMPANY LIMITED
Matsumura, Toshiyuki	LU, Lie	(72) CHIBA Shuichiro
Saiki, Shuji	ZHANG, Chen	KAWASAKI Yudai
(31) 2014093948	(31) 201510294063	ARAMOTO Masafumi
(32) 30.04.2014	201562183491 P	(31) 2016158450
(33) Japan	(32) 01.06.2015	(32) 12.08.2016
(51) H04R 1/40	23.06.2015	(33) Japan
H04R 1/04	(33) China	(51) H04W 4/06
H04R 1/08	United States of America	H04W 4/20
(11) EP3413470	(51) H04S 7/00	H04W 68/02
(21) EP16888856.8	H04H 60/48	H04W 4/70
(47) 05.10.2022	G06K 9/62	(11) EP3493613
(87) CN2016074565	H04H 20/89	(21) EP17833570.9
10.08.2017	H04H 20/95	(47) 05.10.2022
(22) 25.02.2016	G06V 20/40	(87) CN2017094621
(54) MICROPHONE-AND-SOUND-BOX	G06V 40/16	01.02.2018
INTEGRATED EQUIPMENT	G06V 40/20	(22) 27.07.2017
(73) Shenzhen Teana Technology Co., Ltd.	(11) EP3706442	(54) USER EQUIPMENT, BASE STATION
(72) YOU, Guangguo	(21) EP20160685.2	AND METHODS FOR PAGING
(31) 201610083818	(47) 05.10.2022	(73) Sharp Kabushiki Kaisha
(32) 06.02.2016	(22) 03.03.2020	FG INNOVATION COMPANY LIMITED
(33) China	(54) METHOD AND APPARATUS FOR	(72) CHANG, Ningjuan
(51) H04R 25/00	SOUND OBJECT FOLLOWING	LIU, Renmao
A61F 2/18	(73) LG Electronics Inc.	(31) 201610608661
(11) EP3355594	(72) JUNG, Sungwon	(32) 28.07.2016
(21) EP18161839.8	CHOI, Tacksung	(33) China
(47) 05.10.2022	KANG, Donghyun	(51) H04W 4/24
(22) 21.07.2010	LEE, Seungsu	H04M 15/00
(54) OPEN EAR CANAL HEARING AID	CHO, Taegil	H04L 12/14
(73) Eargo, Inc.	(31) 201962815361 P	H04W 8/02
(72) MICHEL, Florent	(32) 08.03.2019	(11) EP3518564
MICHEL, Raphael	(33) United States of America	(21) EP18198584.7
SHEN, Daniel	(51) H04W 4/00	(47) 05.10.2022
(31) 228588 P	H04B 1/713	(22) 10.08.2015
228571 P	H04J 1/00	(54) METHOD FOR CHARGING INTER-
227437 P	H04L 5/00	PLMN ROAMING DATA SERVICE
(32) 26.07.2009	H04J 11/00	ONLINE, AND DEVICE
25.07.2009	(11) EP3968661	(73) Huawei Technologies Co., Ltd.
22.07.2009	(21) EP21206452.1	(72) CHAI, Xiaoqian
(33) United States of America	(47) 05.10.2022	(31) 201410453620
United States of America	(22) 13.08.2008	(32) 05.09.2014
United States of America	(54) RADIO COMMUNICATION DEVICE AND	(33) China
(51) H04S 3/00	RADIO COMMUNICATION METHOD	(51) H04W 4/40
(11) EP2832114	(73) Panasonic Holdings Corporation	H04L 67/51
(21) EP13712274.3	(72) MATSUMOTO, Atsushi	H04W 4/44
(47) 05.10.2022	IMAMURA, Daichi	H04W 8/00
(87) EP2013056448	IWAI, Takashi	H04L 41/50
03.10.2013	OGAWA, Yoshihiko	(11) EP3928540
(22) 26.03.2013	TAKATA, Tomofumi	(21) EP19739534.6
(54) ARRANGEMENT FOR MIXING AT	HIRAMATSU, Katsuhiko	(47) 05.10.2022
LEAST TWO AUDIO SIGNALS	(31) 2008025535	(87) EP2019067621
(73) Institut für Rundfunktechnik GmbH	2007211548	27.08.2020
(72) GOOSSENS, Sebastian	(32) 05.02.2008	(22) 01.07.2019
GROH, Jens	14.08.2007	(54) METHODS, APPARATUS, AND
HARTMANN, Christian	(33) Japan	COMPUTER-READABLE MEDIA
(31) TO20120274	Japan	FOR DISCOVERY OF APPLICATION
(32) 27.03.2012	(51) H04W 4/00	SERVER AND/OR SERVICES FOR V2X
	H04W 88/06	COMMUNICATIONS

(73) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	H04W 52/02 H04M 1/72454	(22) 03.08.2018 (54) RECOGNIZING ASSIGNED PASSENGERS FOR AUTONOMOUS VEHICLES
(72) EL ESSAILI, Ali LOHMAR, Thorsten MUEHLEISEN, Maciej SOLANO ARENAS, John Camilo ZANG, Yunpeng	(11) EP3716666 (21) EP19740841.2 (47) 05.10.2022 (87) CN2019071550 25.07.2019	(73) Waymo LLC (72) DYER, John Wesley TORRES, Luis EPSTEIN, Michael CHEN, Yu-Hsin
(31) 201916443171 201962807110 P	(22) 14.01.2019 (54) DATA REPORTING METHOD AND RELATED PRODUCT	(31) 201715679485 (32) 17.08.2017
(32) 17.06.2019 18.02.2019	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(33) United States of America
(33) United States of America United States of America	(72) ZHANG, Haiping	(51) H04W 16/12
(51) H04W 4/80 H04L 12/28	(31) 201810050134 (32) 18.01.2018	H04L 5/00 H04W 16/28
(11) EP3131235 (21) EP16166113.7 (47) 05.10.2022	(33) China	(11) EP3497955 (21) EP17751751.3 (47) 05.10.2022
(22) 20.04.2016 (54) METHOD AND APPARATUS FOR CONTROLLING DEVICE	(51) H04W 12/00 H04W 4/80 H04W 12/50 H04L 9/40	(87) EP2017070505 15.02.2018 (22) 11.08.2017
(73) Xiaomi Inc. (72) HOU, Enxing MENG, Deguo HEI, Lijun	(11) EP3811583 (21) EP19724308.2 (47) 05.10.2022 (87) US2019029915 21.11.2019	(54) METHOD AND APPARATUS FOR NETWORK PLANNING AND OPERATION OF A BEAM-BASED COMMUNICATION SYSTEM
(31) 201510491263 (32) 11.08.2015 (33) China	(22) 30.04.2019 (54) SECURE SYSTEMS AND METHODS FOR RESOLVING AUDIO DEVICE IDENTITY USING REMOTE APPLICATION	(73) Telefonaktiebolaget LM Ericsson (PUBL) (72) DA SILVA, Icaro RAMACHANDRA, Pradeepa MOOSAVI, Reza
(51) H04W 8/08 (11) EP3739919 (21) EP20174213.7 (47) 05.10.2022	(73) Bose Corporation (72) YOUNG, Douglas Warren RAO, Prasanna LAMBERT, Jim KAVANAGH, Niall Tone JANNACE, Matthew	(31) 201662374444 P (32) 12.08.2016 (33) United States of America
(22) 12.05.2020 (54) CONTEXT TRANSFER BETWEEN SMF	(31) 201815982745 (32) 17.05.2018 (33) United States of America	(51) H04W 16/28 H04B 7/204 H04W 16/12 H04B 7/185
(73) Samsung Electronics Co., Ltd. (72) Jeong, Sangsoo Lee, Hoyeon	(31) 20190122217 20190066626 20190055889	(11) EP3531735 (21) EP19156959.9 (47) 05.10.2022 (22) 13.02.2019
(32) 02.10.2019 05.06.2019 13.05.2019	(51) H04W 12/04 H04W 52/02 H04W 12/041	(54) METHOD FOR ALLOCATING FREQUENCIES IN A MULTI-BEAM SATELLITE RADIO COMMUNICATION SYSTEM, AND ASSOCIATED SYSTEM
(33) Korea (Republic) Korea (Republic) Korea (Republic)	(11) EP3664487 (21) EP19201646.7 (47) 05.10.2022 (22) 04.08.2016	(73) Institut National Polytechnique de Toulouse Thales CENTRE NATIONAL D'ETUDES SPATIALES
(51) H04W 8/18 H04W 60/00 H04W 60/04 H04W 88/02 H04W 8/22 H04L 65/1016	(54) RADIO ACCESS NODES AND TERMINAL DEVICES IN A COMMUNICATION NETWORK	(72) BAUDOIN, Cédric COUBLE, Yoann DELEU, Thibault DUPE, Jean-Baptiste CHAPUT, Emmanuel
(11) EP3614654 (21) EP18787181.9 (47) 05.10.2022	(73) Telefonaktiebolaget LM Ericsson (publ) (72) Ohlsson, Oscar Schliwa-Bertling, Paul Stattin, Magnus Norrman, Karl	(31) 1800157 (32) 22.02.2018 (33) France
(87) CN2018083793 25.10.2018	(31) 201562218166 P (32) 14.09.2015 (33) United States of America	(51) H04W 24/02 H04W 16/02 H04L 41/044 H04L 41/0806 H04L 41/5051 H04W 88/18 H04W 92/24
(22) 19.04.2018 (54) IMS PARAMETER CONFIGURATION METHOD, SYSTEM AND MOBILE TERMINAL	(51) H04W 12/06 H04L 9/32 H04L 67/12 G06V 20/56 G06V 40/10 G08G 1/00	(11) EP3668154 (21) EP18849582.4 (47) 05.10.2022 (87) CN2018100647
(73) Tcl Communications (Ningbo) Co., Ltd. (72) LI, Tao	(11) EP3646280 (21) EP18845901.0 (47) 05.10.2022 (87) US2018045137 21.02.2019	
(31) 201710262706 (32) 20.04.2017 (33) China		
(51) H04W 8/24 H04M 1/725		

07.03.2019	H04W 80/10	(54) PREDICTIVE, CACHED, AND COST-EFFICIENT DATA TRANSFER
(22) 15.08.2018	H04W 88/14	(73) Telefonaktiebolaget LM Ericsson (publ)
(54) CONFIGURATION METHOD AND CORRESPONDING APPARATUS	H04W 36/00	(72) CELLARIUS, Bastian
(73) Huawei Technologies Co., Ltd.	H04W 60/04	CONDOLUCI, Massimo
(72) SUN, Wenqi	H04W 76/22	LOHMAR, Thorsten
JIANG, Ruobing	H04W 8/20	SORRENTINO, Stefano
LU, Wei	H04W 92/20	SUN, Wanlu
YANG, Shuigen	(11) EP3599785	(31) 201962813820 P
TAN, Wei	(21) EP17812298.2	(32) 05.03.2019
FENG, Zhenni	(47) 05.10.2022	(33) United States of America
(31) 201710786862	(87) KR2017014045	(51) H04W 28/26
(32) 04.09.2017	27.09.2018	H04W 4/029
(33) China	(22) 04.12.2017	H04W 4/70
(51) H04W 24/08	(54) SESSION MANAGEMENT METHOD AND SMF NODE	H04W 36/32
H04W 76/19	(73) LG Electronics Inc.	(11) EP3501203
(11) EP3627879	(72) KIM, Hyunsook	(21) EP16757595.0
(21) EP18903517.3	RYU, Jinsook	(47) 05.10.2022
(47) 05.10.2022	PARK, Sangmin	(87) EP2016069432
(87) CN2018075299	YOUN, Myungjune	22.02.2018
08.08.2019	(31) 201762538787 P	(22) 16.08.2016
(22) 05.02.2018	201762474055 P	(54) METHOD, WIRELESS DEVICE AND NODE FOR MANAGING RESERVATION OF BANDWIDTH
(54) METHOD FOR DETECTING LINK QUALITY AND TERMINAL DEVICE	(32) 30.07.2017	(73) Telefonaktiebolaget LM Ericsson (PUBL)
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	20.03.2017	(72) FU, Jing
(72) SHI, Zhihua	(33) United States of America	VULGARAKIS FELJAN, Aneta
CHEN, Wenhong	United States of America	INAM, Rafia
ZHANG, Zhi	(51) H04W 28/06	TSIATSIS, Vlasios
(51) H04W 24/10	H04W 72/12	(51) H04W 36/00
(11) EP3413649	H04L 69/04	H04L 5/00
(21) EP16894134.2	(11) EP3847844	H04W 76/15
(47) 05.10.2022	(21) EP19759761.0	H04W 88/02
(87) CN2016094952	(47) 05.10.2022	H04W 88/08
21.09.2017	(87) SE2019050751	(11) EP3644649
(22) 12.08.2016	12.03.2020	(21) EP18880640.0
(54) METHOD FOR D2D COMMUNICATION, AND D2D DEVICE	(22) 16.08.2019	(47) 05.10.2022
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(54) TRANSPORT OF DATA FLOWS OVER CELLULAR NETWORKS	(87) CN2018100878
(72) TANG, Hai	(73) Telefonaktiebolaget LM Ericsson (publ)	31.05.2019
(31) PCT/CN2016/081878	(72) DUDDA, Torsten	(22) 16.08.2018
PCT/CN2016/079456	MUNZ, Hubertus	(54) WIRELESS COMMUNICATION METHOD AND DEVICE
PCT/CN2016/076807	PATEL, Dhruvin	(73) Huawei Technologies Co., Ltd.
(32) 12.05.2016	PALAIOS, Alexandros	(72) XUE, Juhua
15.04.2016	(31) 201862726364 P	ZHOU, Wuxiao
18.03.2016	(32) 03.09.2018	LUO, Qingquan
(33) World Intellectual Property Office (WIPO)	(33) United States of America	ZHOU, Han
World Intellectual Property Office (WIPO)	(51) H04W 28/22	(31) 201711189027
World Intellectual Property Office (WIPO)	H04W 4/40	(32) 24.11.2017
(51) H04W 28/02	(11) EP3852404	(33) China
H04W 28/24	(21) EP20151658.0	(51) H04W 36/00
(11) EP3745767	(47) 05.10.2022	H04W 76/15
(21) EP20167012.2	(22) 14.01.2020	(11) EP3657855
(47) 05.10.2022	(54) EFFICIENT USE OF A RAN FOR SAFELY OPERATING A VEHICLE	(21) EP17922679.0
(22) 07.08.2017	(73) Deutsche Telekom AG	(47) 05.10.2022
(54) DATA PROCESSING METHOD AND APPARATUS	(72) SCHNIEDERS, Dominik	(87) KR2017014886
(73) Huawei Technologies Co., Ltd.	(51) H04W 28/24	28.02.2019
(72) HUANG, Qufang	H04L 41/5051	(22) 15.12.2017
DAI, Mingzeng	H04L 45/00	(54) METHOD AND SYSTEM FOR COMMUNICATION IN WIRELESS COMMUNICATION NETWORK
HAN, Lifeng	H04W 28/02	(73) Samsung Electronics Co., Ltd.
ZENG, Qinghai	H04L 41/147	(72) RYU, Seungbo
(31) 201610673593	H04L 41/50	KIM, Daejoong
(32) 15.08.2016	(11) EP3935886	JEON, Namryul
(33) China	(21) EP20705953.6	(31) 20170105763
(51) H04W 28/06	(47) 05.10.2022	(32) 21.08.2017
H04W 8/02	(87) EP2020054114	(33) Korea (Republic)
	10.09.2020	
	(22) 17.02.2020	

(51) H04W 36/08 B63B 49/00 G01S 19/01 H04W 36/36	H04W 12/72 H04W 36/00 H04W 60/00 H04W 60/06	(11) EP3621360 (21) EP18793967.3 (47) 05.10.2022 (87) CN2018074152 08.11.2018
(11) EP3823356 (21) EP19209776.4 (47) 05.10.2022 (22) 18.11.2019 (54) MARINE RADIO CHANNEL PROPOSITION EQUIPMENT, MARINE RADIO CHANNEL PROPOSITION PROGRAM AND MARINE RADIO CHANNEL PROPOSITION METHOD	(11) EP3432641 (21) EP18736726.3 (47) 05.10.2022 (87) KR2018000440 12.07.2018 (22) 09.01.2018 (54) METHOD FOR INTERWORKING BETWEEN NETWORKS IN WIRELESS COMMUNICATION SYSTEM AND APPARATUS THEREFOR	(22) 25.01.2018 (54) SYSTEM INFORMATION TRANSMISSION METHOD AND RELATED DEVICE (73) Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd. (72) LI, Mingju ZHANG, Yunfei (31) 201710317490 (32) 05.05.2017 (33) China
(73) Japan Radio Co., Ltd. Alphatron Marine Beheer B.V.	(73) LG Electronics Inc. (72) YOUN, Myungjune KIM, Hyunsook KIM, Laeyoung RYU, Jinsook	(31) 201710317490 (32) 05.05.2017 (33) China
(72) TAMAOKI, Hirofumi OKUDE, Takeshi IMADA, Yoshihiko MIURA, Takashi VROOMBOU, Luuk EERDEN, Bas ROEST, Maarten	(31) 201762583495 P 201762542807 P 201762444396 P 201762443838 P	(51) H04W 48/14 H04W 48/16 H04W 48/08 H04W 84/04 H04W 88/02 (11) EP3639569 (21) EP18742860.2 (47) 05.10.2022 (87) US2018037632 20.12.2018 (22) 14.06.2018 (54) PERFORMING CONTENTION RESOLUTION FOR SYSTEM INFORMATION REQUESTS
(51) H04W 36/08 H04W 88/06 H04W 84/12 H04W 28/08 H04W 36/00	(32) 09.11.2017 09.08.2017 10.01.2017 09.01.2017	(11) EP3335467 (21) EP16759884.6 (47) 05.10.2022 (87) JP2016003708 23.02.2017 (22) 10.08.2016 (54) HANDOVER IN LTE-WLAN AGGREGATION, LWA. (73) NEC Corporation (72) SHARMA, Vivek (31) 201514539 (32) 14.08.2015 (33) United Kingdom
(11) EP3335467 (21) EP16759884.6 (47) 05.10.2022 (87) JP2016003708 23.02.2017	(33) United States of America United States of America United States of America United States of America	(22) 14.06.2018 (54) PERFORMING CONTENTION RESOLUTION FOR SYSTEM INFORMATION REQUESTS (73) Motorola Mobility LLC (72) BASU MALLICK, Prateek LOEHR, Joachim KUCHIBHOTLA, Ravi (31) 201762519648 P (32) 14.06.2017 (33) United States of America
(22) 10.08.2016 (54) HANDOVER IN LTE-WLAN AGGREGATION, LWA. (73) NEC Corporation (72) SHARMA, Vivek (31) 201514539 (32) 14.08.2015 (33) United Kingdom	(51) H04W 40/00 H04L 45/02 H04L 45/48 H04W 84/18 H04W 72/12 (11) EP3606280 (21) EP18306057.3 (47) 05.10.2022 (22) 02.08.2018 (54) METHOD FOR MANAGING A NETWORK AND APPARATUS FOR IMPLEMENTING THE SAME	(72) BASU MALLICK, Prateek LOEHR, Joachim KUCHIBHOTLA, Ravi (31) 201762519648 P (32) 14.06.2017 (33) United States of America
(51) H04W 36/14 H04W 48/18 H04W 48/20	(11) EP3606280 (21) EP18306057.3 (47) 05.10.2022 (22) 02.08.2018 (54) METHOD FOR MANAGING A NETWORK AND APPARATUS FOR IMPLEMENTING THE SAME	(51) H04W 48/20 H04W 76/00 (11) EP3031283 (21) EP14758017.9 (47) 05.10.2022 (87) US2014050211 12.02.2015 (22) 07.08.2014 (54) COVERAGE ENHANCEMENTS OF LOW COST MTC DEVICES IN UPLINK/ DOWNLINK DECOUPLED SCENARIO
(11) EP3837887 (21) EP19759065.6 (47) 05.10.2022 (87) SE2019050738 20.02.2020 (22) 12.08.2019 (54) LOCATION SERVER ASSISTED MOBILITY EVALUATION FOR POWER LIMITED WIRELESS COMMUNICATION DEVICES	(73) Mitsubishi Electric Corporation (72) GRESSET, Nicolas (51) H04W 48/10 H04W 48/20 H04W 48/12 (11) EP3471462 (21) EP17841071.8 (47) 05.10.2022 (87) CN2017097668 22.02.2018 (22) 16.08.2017 (54) METHOD AND SYSTEM FOR SYNCHRONIZATION WITH A CELL WHICH DOES NOT BROADCAST SYSTEM INFORMATION	(73) Interdigital Patent Holdings, Inc. (72) LEE, Moon-Il STERN-BERKOWITZ, Janet, A. TOOHER, J., Patrick TAMAKI, Nobuyuki SADEGHI, Pouriya COMSA, Virgil KAUR, Samian TERRY, Stephen, E. (31) 201462021207 P 201361863328 P (32) 06.07.2014 07.08.2013 (33) United States of America United States of America
(73) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	(73) GRESSET, Nicolas (51) H04W 48/10 H04W 48/20 H04W 48/12 (11) EP3471462 (21) EP17841071.8 (47) 05.10.2022 (87) CN2017097668 22.02.2018 (22) 16.08.2017 (54) METHOD AND SYSTEM FOR SYNCHRONIZATION WITH A CELL WHICH DOES NOT BROADCAST SYSTEM INFORMATION	(73) Interdigital Patent Holdings, Inc. (72) LEE, Moon-Il STERN-BERKOWITZ, Janet, A. TOOHER, J., Patrick TAMAKI, Nobuyuki SADEGHI, Pouriya COMSA, Virgil KAUR, Samian TERRY, Stephen, E. (31) 201462021207 P 201361863328 P (32) 06.07.2014 07.08.2013 (33) United States of America United States of America
(72) SHREEVASTAV, Ritesh MODARRES RAZAVI, Sara JOHANSSON, Nicklas WÄNSTEDT, Stefan YAVUZ, Emre UESAKA, Kazuyoshi BUSIN, Åke HÖGLUND, Andreas	(73) Huawei Technologies Co., Ltd. (72) ZHANG, Hongping DAI, Mingzeng ZENG, Qinghai (31) 201610681489 (32) 17.08.2016 (33) China (51) H04W 48/14 H04W 48/12 H04W 48/16	(31) 201462021207 P 201361863328 P (32) 06.07.2014 07.08.2013 (33) United States of America United States of America
(31) 201862718181 P (32) 13.08.2018 (33) United States of America	(31) 201610681489 (32) 17.08.2016 (33) China (51) H04W 48/14 H04W 48/12 H04W 48/16	(51) H04W 52/08 H04W 52/10 H04W 52/14 H04W 52/24 (11) EP3621364
(51) H04W 36/14 H04W 92/02	(51) H04W 48/14 H04W 48/12 H04W 48/16	(51) H04W 52/08 H04W 52/10 H04W 52/14 H04W 52/24 (11) EP3621364



(21) EP19201275.5	(11) EP3665967	CEZANNE, Juergen
(47) 05.10.2022	(21) EP18789466.2	ISLAM, Muhammad Nazmul
(22) 07.03.2008	(47) 05.10.2022	LI, Junyi
(54) COMBINED OPEN LOOP/CLOSED LOOP FOR CONTROLLING UPLINK POWER OF A MOBILE STATION	(87) IB2018001032	(31) 201816180825
(73) InterDigital Technology Corporation	14.02.2019	201762583953 P
(72) SHIN, Sung-Hyuk	(22) 09.08.2018	(32) 05.11.2018
LIN, Zinan	(54) METHOD AND APPARATUS FOR DETERMINING TRANSMIT POWER DURING RANDOM ACCESS PROCEDURE	09.11.2017
Grieco, Donald M.	(73) Lenovo (Singapore) Pte. Ltd.	(33) United States of America
OLESEN, Robert L.	(72) JUNG, Hyejung	United States of America
(31) 945286 P	LÖHR, Joachim	(51) H04W 60/00
895561 P	BASUMALLICK, Prateek	H04W 48/18
893575 P	NANGIA, Vijay	H04W 36/14
(32) 20.06.2007	KUCHIBHOTLA, Ravi	(11) EP3419352
19.03.2007	LOVE, Robert, T.	(21) EP18178477.8
07.03.2007	(31) 201762543354 P	(47) 05.10.2022
(33) United States of America	(32) 09.08.2017	(22) 19.06.2018
United States of America	(33) United States of America	(54) METHOD AND APPARATUS FOR NETWORK VIRTUALIZATION AND SESSION MANAGEMENT
United States of America	(51) H04W 56/00	(73) Samsung Electronics Co., Ltd.
(51) H04W 52/36	(11) EP2343935	(72) Lee, Hoyeon
H04W 72/12	(21) EP11000161.7	Suh, Kyungjoo
H04W 74/08	(47) 05.10.2022	Baek, Youngkyo
H04L 5/00	(22) 11.01.2011	Kim, Sunghoon
H04W 52/14	(54) Method of uplink synchronization and related communication device	Son, Jungje
H04W 52/38	(73) Acer Incorporated	Bennett, Andrew
(11) EP3855812	(72) Wang, Chun-Yen	Park, Jungshin
(21) EP21163362.3	Chen, Chun-Chia	(31) 20170077569
(47) 05.10.2022	Lin, Shiang-Jiun	(32) 19.06.2017
(22) 08.08.2017	(31) 987163	(33) Korea (Republic)
(54) METHOD AND DEVICE FOR REPORTING CSI	293871 P	(51) H04W 60/04
(73) LG Electronics Inc.	(32) 10.01.2011	H04W 76/27
(72) AHN, Joonkui	11.01.2010	H04W 76/32
HWANG, Daesung	(33) United States of America	H04W 68/02
KO, Hyunsoo	United States of America	(11) EP3672327
YI, Yunjung	(51) H04W 56/00	(21) EP18846130.5
LEE, Hyunho	(11) EP3565328	(47) 05.10.2022
KIM, Seonwook	(21) EP17893622.5	(87) CN2018098683
YANG, Suckchel	(47) 05.10.2022	21.02.2019
PARK, Hanjun	(87) CN2017114995	(22) 03.08.2018
(31) 201662420526 P	02.08.2018	(54) METHOD AND DEVICE FOR PROCESSING NON-MATCHING BETWEEN UE AND NETWORK STATE
201662420523 P	(22) 07.12.2017	(73) Datang Mobile Communications Equipment Co., Ltd.
201662384727 P	(54) TIME SERVICE METHOD, TERMINAL DEVICE AND NETWORK DEVICE	(72) WANG, Hucheng
201662371867 P	(73) Huawei Technologies Co., Ltd.	(31) 201710855403
(32) 10.11.2016	(72) GAO, Feng	201710693914
10.11.2016	YU, Guangwei	(32) 20.09.2017
08.09.2016	YU, Feng	14.08.2017
08.08.2016	ZHANG, Wurong	(33) China
(33) United States of America	(31) 201710055195	China
United States of America	(32) 24.01.2017	(51) H04W 64/00
United States of America	(33) China	G01S 5/02
United States of America	(51) H04W 56/00	(11) EP3646647
(51) H04W 52/38	H04W 74/08	(21) EP18825101.1
H04W 52/24	(11) EP3707939	(47) 05.10.2022
(11) EP3496470	(21) EP18804899.5	(87) US2018036186
(21) EP16912448.4	(47) 05.10.2022	03.01.2019
(47) 05.10.2022	(87) US2018059415	(22) 06.06.2018
(87) CN2016095056	16.05.2019	(54) DETECTING RADIO SIGNAL EMITTER LOCATIONS
15.02.2018	(22) 06.11.2018	(73) Hawkeye 360, Inc.
(22) 12.08.2016	(54) ADAPTING TIMING ADVANCE FOR MULTIPLE RACH TRANSMISSION IN BACKHAUL NETWORKS	(72) O'SHEA, Timothy James
(54) POWER CONTROL METHODS	(73) QUALCOMM Incorporated	MCGWIER, Robert W.
(73) Huawei Technologies Co., Ltd.	(72) BAI, Tianyang	MCCARTHY, Nicholas Aaron
(72) WANG, Hong	ABEDINI, Navid	(31) 201762527510 P
QUAN, Wei		(32) 30.06.2017
(51) H04W 52/50		
H04W 52/14		
H04B 7/06		

(33) United States of America	(33) United States of America	(21) EP16925092.5
(51) H04W 68/00	(51) H04W 72/04	(47) 05.10.2022
(11) EP3871453	H04L 5/00	(87) CN2016113826
(21) EP18796512.4	(11) EP3667991	05.07.2018
(47) 05.10.2022	(21) EP18844981.3	(22) 30.12.2016
(87) SE2018051074	(47) 05.10.2022	(54) DATA TRANSMISSION METHOD AND
30.04.2020	(87) CN2018099577	APPARATUS
(22) 22.10.2018	14.02.2019	(73) GUANGDONG OPPO MOBILE
(54) PAGING OF IDLE STATE WIRELESS	(22) 09.08.2018	TELECOMMUNICATIONS CORP., LTD.
COMMUNICATION DEVICES	(54) INFORMATION TRANSMISSION	(72) YANG, Ning
(73) TELEFONAKTIEBOLAGET LM	METHOD, TERMINAL AND BASE	(51) H04W 72/12
ERICSSON (PUBL)	STATION	H04L 1/18
(72) VIKBERG, Jari	(73) Vivo Mobile Communication Co., Ltd.	H04L 1/16
RUNE, Göran	(72) CHEN, Xiaohang	H04L 5/00
MILDH, Gunnar	PAN, Xueming	(11) EP3471488
MATTSSON, Ulf	(31) 201710687278	(21) EP18735886.6
HALL, Göran	(32) 11.08.2017	(47) 05.10.2022
(51) H04W 68/02	(33) China	(87) KR2018000331
(11) EP3496477	(51) H04W 72/04	12.07.2018
(21) EP16912450.0	H04W 72/00	(22) 08.01.2018
(47) 05.10.2022	H04W 76/12	(54) METHOD FOR TRANSMITTING
(87) CN2016095062	H04W 76/14	OR RECEIVING UPLINK SIGNAL
15.02.2018	H04B 1/713	BETWEEN TERMINAL AND
(22) 12.08.2016	H04L 5/00	BASE STATION IN WIRELESS
(54) PAGING METHOD, DEVICE AND	(11) EP3544354	COMMUNICATION SYSTEM, AND
SYSTEM, AND RELATED COMPUTER-	(21) EP19174915.9	DEVICE SUPPORTING SAME
READABLE MEDIUM	(47) 05.10.2022	(73) LG Electronics Inc.
(73) Huawei Technologies Co., Ltd.	(22) 06.08.2013	(72) PARK, Hanjun
(72) LI, Bingzhao	(54) WIRELESS COMMUNICATION	YANG, Suckchel
WANG, Yan	METHOD FOR DEVICE TO DEVICE	KIM, Seonwook
QUAN, Wei	COMMUNICATION AND USER	PARK, Changhwan
ZHANG, Jian	EQUIPMENT	(31) 201762595597 P
(51) H04W 72/04	(73) Sun Patent Trust	201762592379 P
(11) EP3295741	(72) SUZUKI, Hidetoshi	201762566342 P
(21) EP15753430.6	OGAWA, Yoshihiko	201762501063 P
(47) 05.10.2022	HOSHINO, Masayuki	201762481608 P
(87) GB2015052357	WANG, Lilei	201762480549 P
17.11.2016	(51) H04W 72/04	201762480443 P
(22) 14.08.2015	H04W 72/08	201762475841 P
(54) ALLOCATING RESOURCES FOR A	H04W 72/12	201762458960 P
DEVICE-TO-DEVICE TRANSMISSION	H04W 24/10	201762443792 P
(73) BlackBerry Limited	(11) EP3481124	(32) 07.12.2017
(72) VUTUKURI, Eswar	(21) EP16912271.0	29.11.2017
FAURIE, Rene	(47) 05.10.2022	30.09.2017
SUZUKI, Takashi	(87) CN2016094703	03.05.2017
(31) 201514712779	15.02.2018	04.04.2017
(32) 14.05.2015	(22) 11.08.2016	03.04.2017
(33) United States of America	(54) METHOD AND DEVICE FOR	02.04.2017
(51) H04W 72/04	DETERMINING RESOURCE ENERGY	23.03.2017
(11) EP3666001	(73) Huawei Technologies Co., Ltd.	14.02.2017
(21) EP18762209.7	(72) SHI, Yi	08.01.2017
(47) 05.10.2022	LU, Zhenwei	(33) United States of America
(87) US2018045873	ZHAO, Zhenshan	United States of America
14.02.2019	(51) H04W 72/12	United States of America
(22) 08.08.2018	(11) EP3668171	United States of America
(54) PROCEDURES, BASE STATIONS AND	(21) EP17921040.6	United States of America
USER EQUIPMENTS FOR UPLINK	(47) 05.10.2022	United States of America
TRANSMISSION WITHOUT GRANT	(87) CN2017096266	United States of America
(73) Sharp Kabushiki Kaisha	14.02.2019	United States of America
FG INNOVATION COMPANY LIMITED	(22) 07.08.2017	United States of America
(72) YING, Kai	(54) DATA TRANSMISSION METHOD,	United States of America
AIBA, Tatsushi	DEVICE AND COMPUTER READABLE	(51) H04W 72/12
NOGAMI, Toshizo	STORAGE MEDIUM	H04W 72/02
KOWALSKI, John, M.	(73) Beijing Xiaomi Mobile Software Co., Ltd.	H04W 74/02
YIN, Zhanping	(72) ZHU, Yajun	(11) EP3582571
KIM, KyungHo	(51) H04W 72/12	(21) EP18750897.3
(31) 201762543917 P	(11) EP3554157	(47) 05.10.2022
(32) 10.08.2017		(87) KR2018001500

16.08.2018	27.12.2018	H04W 88/04
(22) 05.02.2018	(22) 20.06.2017	H04W 36/02
(54) METHOD FOR TRANSMITTING OR RECEIVING SIGNAL IN WIRELESS COMMUNICATION SYSTEM AND APPARATUS THEREFOR	(54) APPARATUSES AND METHODS FOR COMMUNICATING IN A WIRELESS COMMUNICATION NETWORK	(11) EP3927107
(73) LG Electronics Inc.	(73) Telefonaktiebolaget LM Ericsson (PUBL)	(21) EP21190384.4
(72) LEE, Sangrim	(72) WANG, Yu	(47) 05.10.2022
LEE, Hojae	AMIN, Parth	(22) 08.05.2018
(31) 201762521539 P	(51) H04W 74/08	(54) METHOD FOR ESTABLISHING A FRONTHAUL INTERFACE AND BASE STATION
201762505140 P	H04W 74/00	(73) Samsung Electronics Co., Ltd.
201762457181 P	H04W 56/00	(72) XU, Lixiang
(32) 19.06.2017	H04W 36/30	WANG, Weiwei
12.05.2017	H04W 36/00	KE, Xiaowan
10.02.2017	(11) EP2514250	WANG, Hong
(33) United States of America	(21) EP10837238.4	ZHANG, Shichang
United States of America	(47) 05.10.2022	LI, Yingyang
United States of America	(87) JP2010007037	WANG, Yi
	23.06.2011	MA, Xiaoning
(51) H04W 72/12	(22) 02.12.2010	(31) 201810010479
H04W 72/14	(54) USER EQUIPMENT, BASE STATION AND RADIO COMMUNICATION SYSTEM FOR PERFORMING HANDOVER	201710458428
H04W 74/08	(73) Sony Group Corporation	201710313812
(11) EP3626008	(72) TAKANO, Hiroaki	(32) 05.01.2018
(21) EP18809565.7	MORIOKA, Yuichi	16.06.2017
(47) 05.10.2022	SAWAI, Ryo	05.05.2017
(87) CN2018088542	(31) 2009285374	(33) China
06.12.2018	(32) 16.12.2009	China
(22) 26.05.2018	(33) Japan	China
(54) GRANT-BASED UPLINK TRANSMISSION IN UNLICENSED BAND	(51) H04W 74/08	(51) H04W 88/06
(73) Huawei Technologies Co., Ltd.	H04W 84/12	H04W 76/18
(72) ZHANG, Jiayin	(11) EP3479643	H04B 17/318
ZHANG, Liqing	(21) EP17737993.0	H04W 76/19
(31) 201815989902	(47) 05.10.2022	H04W 4/80
201762512551 P	(87) US2017039985	(11) EP3866558
(32) 25.05.2018	04.01.2018	(21) EP21160287.5
30.05.2017	(22) 29.06.2017	(47) 05.10.2022
(33) United States of America	(54) SPATIAL REUSE AND TRANSMIT OPPORTUNITY DURATION REPRESENTATION	(22) 29.08.2014
United States of America	(73) Qualcomm Incorporated	(54) ELECTRONIC DEVICE AND COMMUNICATION CONNECTING METHOD THEREOF
(51) H04W 72/14	(72) PATIL, Abhishek Pramod	(73) Samsung Electronics Co., Ltd.
H04W 72/12	ASTERJADHI, Alfred	(72) HONG, Ji-Seon
(11) EP3536097	CHERIAN, George	CHILAKANT, Veerabhadrapa
(21) EP17867140.0	BANERJEA, Raja	KWON, Jun-Sik
(47) 05.10.2022	MERLIN, Simone	LEE, Joo-Hyung
(87) JP2017028698	(31) 201715636178	HAN, Eui-Bum
11.05.2018	201662356804 P	(31) 20130104845
(22) 08.08.2017	(32) 28.06.2017	(32) 02.09.2013
(54) CONFLICT HANDLING OF MULTIPLE DCI	30.06.2016	(33) Korea (Republic)
(73) Panasonic Intellectual Property Corporation of America	(33) United States of America	(51) H05B 3/34
(72) GOLITSCHKE EDLER VON ELBWART, Alexander	United States of America	H05B 3/36
SUZUKI, Hidetoshi	(51) H04W 76/27	(11) EP3154313
HORIUCHI, Ayako	H04W 76/22	(21) EP16185242.1
(31) 16197426	H04W 36/00	(47) 05.10.2022
(32) 04.11.2016	H04W 36/08	(22) 23.08.2016
(33) European Patent Office (EPO)	H04W 72/12	(54) COOKING DEVICE, AND METHOD FOR ITS REALISATION
(51) H04W 74/00	H04W 88/02	(73) Ama Composites S.r.l.
H04L 7/00	H04W 88/08	(72) CAVESTRO, Andrea
H04L 5/00	H04W 36/30	(31) UB20154266
H04W 84/12	H04W 76/12	(32) 09.10.2015
H04W 56/00	H04W 92/20	(33) Italy
H04W 16/14	H04L 67/12	(51) H05B 6/10
(11) EP3642987	H04W 8/24	(11) EP3621410
(21) EP17914980.2	H04W 8/26	(21) EP19181508.3
(47) 05.10.2022	H04W 48/12	(47) 05.10.2022
(87) SE2017050679	H04W 24/02	(22) 20.06.2019

(54) HIGH TEMPERATURE SMART SUSCEPTOR HEATING BLANKET AND METHOD	(54) LIGHT-EMITTING DIODE DIMMING DRIVE CIRCUIT	(22) 05.02.2016
(73) The Boeing Company	(73) BOE Technology Group Co., Ltd.	(54) ANION GENERATOR
(72) VOSS, Bret A	Boe Optical Science and Technology Co., Ltd.	(73) Korea Institute of Fusion Energy
MATSEN, Marc R	(72) XIE, Wei	(72) SEOK, Dong Chan
(31) 201816123944	(31) 201510516167	JUNG, Yong Ho
(32) 06.09.2018	(32) 21.08.2015	CHOI, Yong Sup
(33) United States of America	(33) China	LHO, Taihyeop
(51) H05B 6/10	(51) H05B 45/385	LEE, Kang Il
H05B 6/40	(11) EP2964000	JEONG, Hyun Young
B29C 35/08	(21) EP15174964.5	(31) 20150017875
(11) EP3661324	(47) 05.10.2022	(32) 05.02.2015
(21) EP19192241.8	(22) 11.12.2003	(33) Korea (Republic)
(47) 05.10.2022	(54) LED DRIVER	(51) H05H 1/28
(22) 19.08.2019	(73) Signify Holding B.V.	H05H 1/34
(54) HEATING CIRCUIT LAYOUT FOR SMART SUSCEPTOR INDUCTION HEATING APPARATUS	(72) TRIPATHI, Ajay	(11) EP3437439
(73) The Boeing Company	CLAUBERG, Bernd	(21) EP17716389.6
(72) Voss, Bret A.	MIN, Young-Kee	(47) 05.10.2022
Matsen, Marc R.	NARASIMHAN, Raghuram	(87) US2017024707
Olberg, Jeffrey	KHETARPAL, Rohit	05.10.2017
Spalding, John F.	(31) 434550 P	(22) 29.03.2017
Jones, James R.	(32) 19.12.2002	(54) SYSTEMS FOR PLASMA GAS VENTING IN A PLASMA ARC TORCH
(31) 201816201612	(33) United States of America	(73) Hypertherm, Inc.
201816201553	(51) H05B 47/19	(72) CURRIER, Brian J.
201816201490	H05B 45/20	LIEBOLD, Stephen M.
(32) 27.11.2018	(11) EP3698082	(31) 201662314658 P
27.11.2018	(21) EP18868498.9	(32) 29.03.2016
27.11.2018	(47) 05.10.2022	(33) United States of America
(33) United States of America	(87) US2018056218	(51) H05K 1/03
United States of America	25.04.2019	H05K 1/11
United States of America	(22) 17.10.2018	H05K 3/46
	(54) METHOD AND SYSTEM FOR CONTROLLING FUNCTIONALITY OF LIGHTING DEVICES	H05K 1/02
(51) H05B 45/10	(73) Signify Holding B.V.	B41J 15/00
(11) EP3125647	(72) WILSON, Brian, M.	(11) EP3039948
(21) EP16181029.6	CASPER, Joseph, R.	(21) EP14840174.8
(47) 05.10.2022	NOLAN, Christopher, D.	(47) 05.10.2022
(22) 25.07.2016	(31) 201715786282	(87) FI2014050654
(54) DIMMING OF LIGHTING DEVICES	(32) 17.10.2017	05.03.2015
(73) Siemens Schweiz AG	(33) United States of America	(22) 28.08.2014
(72) Stieglbauer, Walter	(51) H05G 1/32	(54) METHOD FOR MANUFACTURING A FLEXIBLE CIRCUIT BOARD
(31) 102015214633	A61B 6/03	(73) Elcoflex OY
(32) 31.07.2015	A61B 6/00	(72) TARVAINEN, Timo
(33) Germany	(11) EP2454925	PAAVOLA, Juho
(51) H05B 45/10	(21) EP10800551.3	PELTONIEMI, Timo
H05B 47/105	(47) 05.10.2022	(31) 20135878
F21S 41/663	(87) US2010042152	(32) 30.08.2013
B60Q 1/12	20.01.2011	(33) Finland
(11) EP3672369	(22) 15.07.2010	(51) H05K 3/38
(21) EP18213074.0	(54) SYSTEM AND METHOD FOR AUTOMATIC TUBE POTENTIAL SELECTION FOR RADIATION DOSE REDUCTION IN CT	H05K 3/26
(47) 05.10.2022	(73) MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	H05K 1/03
(22) 17.12.2018	(72) YU, Lifeng	H05K 3/28
(54) METHOD FOR CONTROLLING A LIGHT PATTERN AND AUTOMOTIVE LIGHTING DEVICE	MCCOLLOUGH, Cynthia, H.	(11) EP3735114
(73) Valeo Vision	FLETCHER, Joel, G.	(21) EP20168026.1
(72) PRAT, Constantin	LI, Hua	(47) 05.10.2022
KANJ, Ali	(31) 225818 P	(22) 03.04.2020
(51) H05B 45/315	(32) 15.07.2009	(54) METHOD OF TREATING METAL SURFACE OF CERAMIC CIRCUIT BOARD
H05B 45/10	(33) United States of America	(73) KCC Corporation
(11) EP3346803	(51) H05H 1/24	(72) OH, Won Kyoung
(21) EP16763429.4	(11) EP3952618	(31) 20190049950
(47) 05.10.2022	(21) EP21197401.9	(32) 29.04.2019
(87) CN2016070010	(47) 05.10.2022	(33) Korea (Republic)
02.03.2017		(51) H05K 3/40
(22) 04.01.2016		H05K 3/42
		(11) EP2883430
		(21) EP12882879.5

- (47) 05.10.2022  
(87) SE2012050868  
13.02.2014  
(22) 10.08.2012  
(54) A PRINTED CIRCUIT BOARD  
ARRANGEMENT AND A METHOD FOR  
FORMING ELECTRICAL CONNECTION  
AT A PRINTED CIRCUIT BOARD  
(73) Telefonaktiebolaget LM Ericsson (publ)  
(72) PEREZ-URIA, Igor  
FERM, Per  
GUSTAFSON, Benny
- 
- (51) H05K 7/14  
(11) EP2421346  
(21) EP11178346.0  
(47) 05.10.2022  
(22) 22.08.2011  
(54) Automation control system components  
with electronic keying features  
(73) Rockwell Automation Technologies, Inc.  
(72) Vazach, Joseph G.  
Wehrle, David S.  
Bodmann, Douglas R.  
Kretschmann, Robert J.  
Sichner, Gregg M.  
(31) 375587 P  
(32) 20.08.2010  
(33) United States of America
- 
- (51) H05K 7/14  
(11) EP3833168  
(21) EP20169820.6  
(47) 05.10.2022  
(22) 16.04.2020  
(54) SLIDE RAIL ASSEMBLY AND BRACKET  
DEVICE THEREOF  
(73) King Slide Works Co., Ltd.  
King Slide Technology Co., Ltd.  
(72) CHEN, Ken-Ching  
YANG, Shun-Ho  
CHOU, Chi-Chih  
WANG, Chun-Chiang  
(31) 108144211  
(32) 02.12.2019  
(33) Taiwan, Province of China
- 
- (51) H05K 7/20  
(11) EP3758462  
(21) EP20180922.5  
(47) 05.10.2022  
(22) 18.06.2020  
(54) ELECTRICAL EQUIPMENT  
COMPRISING A COVER AND A HEAT  
SINK  
(73) SAGEMCOM BROADBAND SAS  
(72) CHUSSEAU, Hugo  
(31) 1906863  
(32) 25.06.2019  
(33) France
- 
- (51) H05K 7/20  
G06F 1/20  
(11) EP3698611  
(21) EP18810888.0  
(47) 05.10.2022  
(87) EP2018080551  
13.06.2019  
(22) 08.11.2018  
(54) FANLESS COOLING SYSTEM  
(73) Siemens Mobility GmbH  
(72) BIENEK, Frank

(31) 102017222148  
(32) 07.12.2017  
(33) Germany

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## 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 71/06	(22) 27.05.2019	A01P 7/00
(11) EP3589108	(54) DISINFECTANT COMPOSITION	(11) EP3582617
(21) EP18761091.0	(73) LANXESS Deutschland GmbH	(21) EP18702302.3
(22) 02.03.2018	(72) GERHARZ, Tanja	(22) 05.02.2018
(54) TRACTOR PTO QUICK-CONNECT DEVICE AND METHOD OF USE	SQUIRE, Mark, Wallace	(54) STABLE FORMULATION OF PESTICIDAL PYRIDAZINPYRAZOLAMIDES
(73) PTO Solutions, LLC	(74) ir. W.J.J.M. Kempes	(73) BASF SE
(72) SPECTOR, Kenneth	(31) 18175577	(72) XU, Wen
(74) dr. A. Krebs	(32) 01.06.2018	BENTON, Kara Walden
(31) 201715783887	(33) European Patent Office (EPO)	BRILL, Jeffrey H.
201762466359 P	(47) 06.07.2022	(74) ir. W.J.J.M. Kempes
PCT/US2018/018603	(51) A01N 43/40	(31) 17156011
(32) 13.10.2017	A01N 25/02	(32) 14.02.2017
02.03.2017	A01P 3/00	(33) European Patent Office (EPO)
19.02.2018	(11) EP3240414	(47) 06.07.2022
(33) United States of America	(21) EP15876232.8	
United States of America	(22) 30.12.2015	
World Intellectual Property Office (WIPO)	(54) FUNGICIDAL COMPOSITIONS	
(47) 31.08.2022	(73) Corteva Agriscience LLC	(51) A22B 5/00
(51) A01C 5/06	(72) MATHIESON, Todd	A22B 5/20
A01G 13/02	FOSTER, Neil	(11) EP3922103
(11) EP3815494	HOPKINS, Derek J.	(21) EP21178595.1
(21) EP20204704.9	CATHIE, Cheryl Ann	(22) 09.06.2021
(22) 29.10.2020	(74) ir. H.A. Witmans c.s.	(54) A CUTTING SYSTEM AND METHOD FOR CUTTING CARCASS PARTS WHILE THE CARCASS PARTS ARE CARRIED BY CARRIERS CONNECTED TO AND MOVED BY AN OVERHANG TRANSPORT SYSTEM
(54) SOWING MACHINE FOR DISTRIBUTING SEEDS ON THE GROUND AND METHOD FOR OPERATING SAID MACHINE	(31) 201462098224 P	(73) Marel Meat B.V.
(73) ROTER ITALIA S.r.l.	201462098202 P	(72) MEERDINK, Jan
(72) FORIGO, Alberto	201462098199 P	VAN DER STEEN, Franciscus Theodorus Henricus Johannes JANSSEN, Cornelis Joannes
(74) ir. W.J.J.M. Kempes	(32) 30.12.2014	ALBERS, Bastiaan Martinus Cornelis MADSEN, Heinz
(31) 201900019930	30.12.2014	TIGGELOVEN, Leonardus Jozephus Antonius
(32) 29.10.2019	30.12.2014	KOSTER, Niels Antonio William
(33) Italy	(33) United States of America	(74) ir. W.J.J.M. Kempes
(47) 06.07.2022	United States of America	(31) PCT/EP2021/065334
(51) A01J 7/02	United States of America	20178888
A01J 5/01	(47) 20.07.2022	(32) 08.06.2021
(11) EP3794940	(51) A01N 43/40	09.06.2020
(21) EP20196807.0	A01N 25/02	(33) World Intellectual Property Office (WIPO)
(22) 18.09.2020	A01P 3/00	European Patent Office (EPO)
(54) MILKMETER	(11) EP3240415	(47) 06.07.2022
(73) Nedap N.V.	(21) EP15876236.9	(51) A22C 13/00
(72) KLOOSTRA, Sietze	(22) 30.12.2015	(11) EP3104710
SCHUTTE, Jort Johannes Wilhelmus	(54) FUNGICIDAL COMPOSITIONS	(21) EP15704324.1
LAMMERS, Rudie Jan Hendrik	(73) Corteva Agriscience LLC	(22) 16.02.2015
VAN DIJK, Jeroen Martin	(72) FOSTER, Neil	(54) IMPROVED SAUSAGE CASINGS
(74) ir. H.A. Witmans c.s.	MATHIESON, Todd	(73) Devro (Scotland) Limited
(31) 2023871	HOPKINS, Derek J.	(72) VISSER, Petrus Rimke
(32) 20.09.2019	CATHIE, Cheryl Ann	(74) dr. A. Krebs
(33) Netherlands	(74) ir. H.A. Witmans c.s.	(31) 2012274
(47) 15.06.2022	(31) 201462098224 P	(32) 14.02.2014
(51) A01N 37/04	201462098199 P	(33) Netherlands
A01N 41/06	201462098202 P	(47) 22.06.2022
A01N 59/00	(32) 30.12.2014	(51) A23L 29/212
A01N 59/26	30.12.2014	A23L 23/10
A01P 1/00	30.12.2014	
(11) EP3801022	(33) United States of America	
(21) EP19728358.3	United States of America	
	United States of America	
	(47) 20.07.2022	
	(51) A01N 43/58	
	A01N 25/02	
	A01N 25/30	

A23P 10/20	(31) 201609409	(22) 18.04.2019
(11) EP3897202	(32) 27.05.2016	(54) CONTACT LENS STORAGE AND CLEANING CONTAINER
(21) EP19806251.5	(33) United Kingdom	(73) Doniga, Ioan Cornelius
(22) 25.11.2019	(47) 07.09.2022	(72) Doniga, Ioan Cornelius
(54) SAVOURY SEASONING COMPOSITION	(51) A24F 40/42	(74) dr. A. Krebs
(73) Unilever IP Holdings B.V.	A24F 40/10	(31) 18168315
(72) JU, Xiaojie	A24F 40/50	(32) 19.04.2018
SAILER, Winfried	A24F 40/46	(33) European Patent Office (EPO)
SETHI, Jatin	A24F 40/30	(47) 15.06.2022
(74) ir. T.G.P. Reijns	A61M 11/04	(51) A47C 7/50
(31) 18214761	A61M 15/00	(11) EP3850992
(32) 20.12.2018	A61M 15/06	(21) EP20215249.2
(33) European Patent Office (EPO)	A61M 16/00	(22) 18.12.2020
(47) 27.07.2022	(11) EP3677136	(54) LEG SUPPORT LINING
(51) A24B 15/167	(21) EP20159607.9	(73) confer GmbH
A24F 40/05	(22) 03.03.2017	(72) Kiskämper, Lars Philipp
A61M 11/00	(54) CARTRIDGE FOR ELECTRONIC VAPING DEVICE	Kollmeier, Hans-Joachim
A61M 15/00	(73) Philip Morris Products S.A.	(74) ir. H.A. Witmans c.s.
B05B 17/06	(72) ROSTAMI, Ali	(31) 102020100560
B05B 17/00	TUCKER, Christopher S	(32) 13.01.2020
A24F 40/10	KANE, David	(33) Germany
(11) EP3837999	LIPOWICZ, Peter	(47) 27.07.2022
(21) EP20214228.7	KARLES, George	(51) A47J 31/46
(22) 15.12.2020	KOBAL, Gerd	A47J 31/40
(54) MIST INHALER DEVICES	PITHAWALLA, Yezdi	A47J 31/41
(73) Shaheen Innovations Holding Limited	(74) dr. W.A.H.M. Van Borm	(11) EP3389455
(72) LAMOUREUX, Clement	(31) 201615059746	(21) EP16813164.7
LAHOUD, Imad	(32) 03.03.2016	(22) 14.12.2016
ALSHAIBA SALEH GHANNAM	(33) United States of America	(54) SELECTION VALVE AND BEVERAGE SYSTEM INCLUDING SAME
ALMAZROUEI, Mohammed	(47) 10.08.2022	(73) Koninklijke Douwe Egberts B.V.
BHATTI, Sajid	(51) A41D 13/018	(72) DEES, Hendrik Johan
MACHOVEC, Jeff	(11) EP3745894	SPIJKER, Antonius Johannes
(74) dr. R.C. van Duijvenbode c.s.	(21) EP19701389.9	KLABBERS, Bram
(31) PCT/IB2019/060812	(22) 30.01.2019	STANDAAR, Koen
PCT/IB2019/060811	(54) GARMENT PROVIDED WITH AN INFLATABLE PROTECTIVE DEVICE AND ASSOCIATED METHOD FOR ADJUSTING OPERATIONAL MODES OF THE INFLATABLE PROTECTIVE DEVICE	VAN DER VELDEN, Leonardus Cornelis
PCT/IB2019/060810	(73) Alpinestars Research S.p.A.	RUTTEN, Mathias Antonius Fransiscus
PCT/IB2019/060808	(72) SIGNORELLI, Marco	(74) ir. H.A. Witmans c.s.
20168938	MAZZAROLO, Giovanni	(31) 15200243
20168231	(74) ir. H.A. Witmans c.s.	(32) 15.12.2015
20168245	(31) 201800002348	(33) European Patent Office (EPO)
(32) 15.12.2019	(32) 02.02.2018	(47) 29.06.2022
15.12.2019	(33) Italy	(51) A47J 43/07
15.12.2019	(47) 03.08.2022	(11) EP3880050
15.12.2019	(51) A44C 25/00	(21) EP20800686.6
09.04.2020	D04D 7/00	(22) 09.11.2020
06.04.2020	B44C 5/00	(54) KITCHEN APPLIANCE ACCESSORY AND KITCHEN APPLIANCE
06.04.2020	(11) EP3628183	(73) Koninklijke Philips N.V.
(33) World Intellectual Property Office (WIPO)	(21) EP19172535.7	(72) JIANG, Ou
World Intellectual Property Office (WIPO)	(22) 03.05.2019	(74) drs. O. Griebing
World Intellectual Property Office (WIPO)	(54) STRING ART ORNAMENT AND FRAME MODULE THEREOF	(31) PCT/CN2019/117218
World Intellectual Property Office (WIPO)	(73) Chen, Teng-Kuei	19211551
European Patent Office (EPO)	(72) Chen, Teng-Kuei	(32) 11.11.2019
European Patent Office (EPO)	(74) dr. ir. G.J.C. Verdijk c.s.	26.11.2019
European Patent Office (EPO)	(31) 201816140856	(33) World Intellectual Property Office (WIPO)
(47) 27.07.2022	(32) 25.09.2018	European Patent Office (EPO)
(51) A24C 5/47	(33) United States of America	(47) 29.06.2022
(11) EP3462927	(47) 29.06.2022	(51) A47K 3/16
(21) EP17727321.6	(51) A45C 11/00	A47K 3/40
(22) 25.05.2017	A61L 12/08	(11) EP3375337
(54) APPARATUS AND METHOD FOR MANUFACTURING TOBACCO INDUSTRY PRODUCTS	(11) EP3780990	(21) EP18153787.9
(73) British American Tobacco (Investments) Limited	(21) EP19722807.5	(22) 29.01.2018
(72) LE ROUX, Gerhard		(54) SANITATION BATH TUB DEVICE
BRAY, Andrew Jonathan		(73) Franz Kaldewei GmbH & Co. KG
WHIFFEN, Sam		(74) mr. ir. J. van Breda c.s.
(74) ir. W.J.J.M. Kempes		(31) 102017105290

(32) 13.03.2017	(21) EP18748025.6	Slayton, Michael, H.
(33) Germany	(22) 02.02.2018	Makin, Inder Raj, S.
(47) 29.06.2022	(54) BISYMMETRIC COMPARISON OF SUB-EPIDERMAL MOISTURE VALUES	(74) mr. R. Zwamborn
(51) A47K 7/00	(73) Bruin Biometrics, LLC	(31) 59477 P
A47K 7/04	(72) ROSS, Graham O.	(32) 06.06.2008
A61M 35/00	BURNS, Martin F.	(33) United States of America
C02F 1/461	BARRINGTON, Sara	(47) 17.08.2022
(11) EP3893707	(74) dr. R.C. van Duijvenbode c.s.	(51) A61B 8/08
(21) EP19816740.5	(31) 201762521871 P	A61B 6/00
(22) 12.12.2019	201762454455 P	(11) EP3871610
(54) HANDHELD ELECTRONIC SOAP DEVICE	(32) 19.06.2017	(21) EP21159054.2
(73) Koninklijke Philips N.V.	03.02.2017	(22) 24.02.2021
(72) LELIEVELD, Mark, Johannes BUIJS, Pieter-Jelle	(33) United States of America	(54) METHOD FOR SUPERPOSING PROJECTIVE IMAGES OF THREE-DIMENSIONAL STRUCTURES WITH A TWO-DIMENSIONAL X-RAY IMAGE
(74) drs. O. Griebing	United States of America	(73) Ziehm Imaging GmbH
(31) 18212037	(47) 22.06.2022	(72) KÖNIG, Thomas
(32) 12.12.2018	(51) A61B 5/11	HÖRNDLER, Klaus
(33) European Patent Office (EPO)	G16H 40/63	KACHELRIEB, Marc
(47) 29.06.2022	A61B 5/145	KNAUP, Michael
(51) A47L 9/02	A61B 5/00	(74) J.M.H. Duyver lic.
(11) EP3911210	(11) EP3801213	(31) 102020001314
(21) EP20700207.2	(21) EP19739677.3	(32) 27.02.2020
(22) 10.01.2020	(22) 28.05.2019	(33) Germany
(54) VACUUM CLEANER NOZZLE	(54) METHOD FOR DETECTING A QUANTITY OF NO PRODUCED BY THE SUBJECT UNDER TEST, AND APPARATUS FOR CARRYING OUT SAID METHOD	(47) 20.07.2022
(73) Koninklijke Philips N.V.	(73) NOPTRACK	(51) A61B 17/00
(72) KLEINE-DOEPKE, Bastian, Cornelis AL-SHORACHI, Albert	(72) AMATORE, Christian	A61B 17/34
(74) drs. O. Griebing	AUBAGNAC, Jean-Christophe	A61B 17/12
(31) 19152585	LABRUNEE, Marc	A61B 17/22
(32) 18.01.2019	DAUMAS, Frédéric	A61M 25/10
(33) European Patent Office (EPO)	RIVIERE, Philippe	A61B 90/00
(47) 29.06.2022	VIALARD, Luc	(11) EP3621528
(51) A47L 15/44	PEREZ, Yoann	(21) EP18723834.0
(11) EP3173006	FAVRE, Gilles	(22) 10.05.2018
(21) EP16199453.8	(74) dr. ir. G.J.C. Verdijck c.s.	(54) A PERCUTANEOUS VASCULAR SURGICAL SYSTEM
(22) 18.11.2016	(31) 1854495	(73) National University of Ireland, Galway
(54) METERING DEVICE	(32) 28.05.2018	(72) SULTAN, Sherif
(73) Miele & Cie. KG	(33) France	HYNES, Niamh
(72) Wegener, Dirk	(47) 22.06.2022	MICULAS, Robert
Kröger, Günter	(51) A61B 6/04	LOHFELD, Stefan
(31) 102015120386	A61B 6/00	HENEHAN, Colin
(32) 25.11.2015	(11) EP3801273	(74) ir. W.J.J.M. Kempes
(33) Germany	(21) EP19730047.8	(31) 17170868
(47) 24.08.2022	(22) 22.05.2019	(32) 12.05.2017
(51) A61B 1/00	(54) BREAST COMPRESSION AND IMAGING SYSTEMS AND METHODS	(33) European Patent Office (EPO)
G01C 25/00	(73) Hologic, Inc.	(47) 20.07.2022
A61B 5/06	(72) WELLS, Timothy	(51) A61B 17/3205
(11) EP2627237	VARTOLONE, Joseph	(11) EP3206601
(21) EP11787630.0	ST. PIERRE, Shawn	(21) EP15784000.0
(22) 17.10.2011	REGO, Alan	(22) 16.10.2015
(54) METHOD AND DEVICE FOR CALIBRATING AN OPTICAL SYSTEM, DISTANCE DETERMINING DEVICE, AND OPTICAL SYSTEM	EDWARDS, Richard Gladwin	(54) SURGICAL SNARE
(73) Stryker European Operations Limited	(74) drs. W.H.P. Derks	(73) Creo Medical Limited
(72) KOSMECKI, Bartosz	(31) 201862676472 P	(72) HANCOCK, Christopher Paul
REUTTER, Andreas	(32) 25.05.2018	HOLMES, Sandra May Bernadette
ÖZBEK, Christopher	(33) United States of America	GULLIFORD, Craig
(74) J.M.H. Duyver lic.	(47) 06.07.2022	SAUNDERS, Brian
(31) 102010042540	(51) A61B 8/00	MORRIS, Steven
(32) 15.10.2010	(11) EP3058875	(74) dr. R.C. van Duijvenbode c.s.
(33) Germany	(21) EP16000610.2	(31) 201418368
(47) 24.08.2022	(22) 05.06.2009	(32) 16.10.2014
(51) A61B 5/00	(54) A SYSTEM FOR COSMETIC TREATMENT AND IMAGING	(33) United Kingdom
A61B 5/0537	(73) Ulthera, Inc.	(47) 27.07.2022
(11) EP3515297	(72) Barthe, Peter, G.	(51) A61B 17/88
		A61B 34/20
		A61B 90/00
		(11) EP3641680



(21) EP17811718.0	(31) 201507132	(72) Bajdik, János
(22) 17.11.2017	(32) 27.04.2015	Fekete, Pál
(54) INTRAMEDULLARY CANNULATED GUIDE FOR FRACTURE REDUCTION WITH ENDOSCOPIC CAMERA	(33) United Kingdom	Gál, Livia
(73) Plakas, Dimitrios	(47) 10.08.2022	Öszi, Zsolt
Charalampidis, Christos	(51) A61F 13/15	(74) ir. W.J.J.M. Kempes
(72) Perivolaris, Georgios	A61F 13/49	(31) 1900153
Charalampidis, Christos	(11) EP3613391	(32) 14.05.2019
Plakas, Dimitrios	(21) EP17906552.9	(33) Hungary
(74) dr. ir. G.J.C. Verdijck c.s.	(22) 21.04.2017	(47) 29.06.2022
(31) 20170100279	(54) METHOD OF MANUFACTURING ABSORBENT ARTICLE	(51) A61K 9/16
(32) 21.06.2017	(73) Unicharm Corporation	A61K 38/17
(33) Greece	(72) KAWAZU, Fumihito	A61K 9/50
(47) 29.06.2022	TAKEUCHI, Kenji	(11) EP3389636
(51) A61B 34/20	(74) J.M.H. Duyver lic.	(21) EP16820541.7
A61B 17/17	(47) 31.08.2022	(22) 16.12.2016
(11) EP3073951	(51) A61F 13/15	(54) COMPOSITIONS AND METHODS OF MANUFACTURING PROTEIN MICROPARTICLES
(21) EP14800122.5	A61F 13/53	(73) Regeneron Pharmaceuticals, Inc.
(22) 05.11.2014	A61F 13/533	(72) BRUDNICKI, Philip
(54) APPARATUS FOR USE IN THE PRODUCTION OF A SURGICAL GUIDE	A61F 13/84	CHEN, Hunter
(73) Prometheus Surgical Limited	A61F 13/531	(74) dr. R.C. van Duijvenbode c.s.
(72) DARWOOD, Alastair	(11) EP3400917	(31) 201562268259 P
(74) ir. H.A. Witmans c.s.	(21) EP16883704.5	(32) 16.12.2015
(31) 201320745	(22) 22.11.2016	(33) United States of America
(32) 25.11.2013	(54) METHOD FOR MANUFACTURE OF ABSORBENT ARTICLE	(47) 20.07.2022
(33) United Kingdom	(73) Unicharm Corporation	(51) A61K 31/33
(47) 06.07.2022	(72) YAMAGUCHI, Masashi	A61K 31/4706
(51) A61F 2/24	TADA, Hiroaki	A61K 35/48
(11) EP3184082	TSUKUDA, Atsushi	A61K 31/4709
(21) EP15202542.5	GODA, Hiroki	A61K 31/7105
(22) 23.12.2015	(74) J.M.H. Duyver lic.	C12Q 1/6883
(54) STENT FOR A SURGICAL VALVE	(31) 2016002929	C12Q 1/6886
(73) P+F Products + Features Vertriebs GmbH	(32) 08.01.2016	G01N 33/68
(72) Kiss, Katharina	(33) Japan	A61P 15/00
(74) dr. R.C. van Duijvenbode c.s.	(47) 24.08.2022	(11) EP3220908
(47) 17.08.2022	(51) A61K 8/42	(21) EP15861702.7
(51) A61F 2/24	A61Q 19/00	(22) 18.11.2015
(11) EP3448315	A61K 8/92	(54) COMPOSITIONS AND METHODS FOR TREATING ENDOMETRIOSIS
(21) EP17731459.8	A61K 8/04	(73) University Of South Florida
(22) 26.04.2017	(11) EP3897560	Ponce Health Sciences University
(54) EXPANDABLE STENT	(21) EP18827021.9	(72) NANJUNDAN, Meera
(73) Strait Access Technologies Holdings (PTY) LTD	(22) 17.12.2018	BAUCKMAN, Kyle A.
(72) ZILLA, Peter	(54) COMPOSITION COMPRISING OXALAMIDE GELATORS AND VEGETABLE OIL	FLORES, Idhaliz
NELSON, Grant Leigh	(73) Rudjer Boskovic Institute	(74) ir. W.J.J.M. Kempes
BEZUIDENHOUT, Deon	(72) JERIC, Ivanka	(31) 201462081464 P
PARK, Kenneth Stuart	RADOSEVIC, Petra	(32) 18.11.2014
APPA, Harish	SIJAKOVIC VUJICIC, Natasa	(33) United States of America
VAN BREDA, Braden Sydney Clive	SUC SAJKO, Josipa	(47) 06.07.2022
(74) ir. W.J.J.M. Kempes	(74) ir. W.J.J.M. Kempes	(51) A61K 31/435
(31) 201607351	(47) 29.06.2022	A61P 15/08
(32) 27.04.2016	(51) A61K 9/16	(11) EP3630106
(33) United Kingdom	A61K 9/20	(21) EP18729623.1
(47) 14.09.2022	A61K 31/55	(22) 31.05.2018
(51) A61F 13/00	A61K 9/48	(54) COMPOUNDS FOR USE IN REGULATING FOLLICLE MATURATION
A61F 13/02	A61P 25/08	(73) Aarhus Universitet
(11) EP3288510	(11) EP3738584	(72) LYKKE-HARTMANN, Karin
(21) EP16725196.6	(21) EP20174336.6	HEUCK, Anders
(22) 25.04.2016	(22) 13.05.2020	ERNST, Emil, Hagen
(54) WOUND DRESSING	(54) GRANULATE CONTAINING ESLICARBAZEPINE ACETATE, ITS PRODUCTION, PHARMACEUTICAL PREPARATIONS CONTAINING IT, AND THEIR USE	(74) ir. W.J.J.M. Kempes
(73) Medtrade Products Limited	(73) MEDITOP Gyógyszeripari Korlátolt Felelősségű Társaság	(31) 17173965
(72) HOGGARTH, Andrew		(32) 01.06.2017
BUGEDO, Ander		(33) European Patent Office (EPO)
HARDY, Craig		(47) 27.07.2022
(74) ir. H.J.G. Lips c.s.		(51) A61K 31/7036
		A61K 9/00

A61K 9/127	(72) KHALDI, Nora	A61K 39/39
A61K 31/133	LOPEZ, Cyril	(11) EP3197487
A61K 31/407	(74) J.M.H. Duyver lic.	(21) EP15781436.9
A61K 31/4375	(31) 16202305	(22) 25.09.2015
A61K 31/4409	16202306	(54) VACCINATION OF
A61K 31/4709	(32) 05.12.2016	IMMUNOCOMPROMISED SUBJECTS
A61K 31/496	05.12.2016	(73) Seqirus UK Limited
A61K 31/5383	(33) European Patent Office (EPO)	(72) DEL GIUDICE, Giuseppe
A61K 31/546	European Patent Office (EPO)	RAPPUOLI, Rino
A61K 31/65	(47) 22.06.2022	BLACK, Steven
A61K 31/7048	(51) A61K 38/17	NICOLAY, Uwe
A61K 31/7052	A61K 47/32	(74) dr. R.C. van Duijvenbode c.s.
A61P 31/04	A61K 9/06	(31) 201562149351 P
(11) EP3766501	A61L 15/32	201462056019 P
(21) EP20182665.8	A61L 15/44	14192174
(22) 15.05.2015	A61L 15/60	(32) 17.04.2015
(54) METHODS FOR TREATING	A61P 17/02	26.09.2014
PULMONARY NON-TUBERCULOUS	A61K 9/00	06.11.2014
MYCOBACTERIAL INFECTIONS	A61P 17/00	(33) United States of America
(73) Insmed Incorporated	(11) EP3071216	United States of America
(72) EAGLE, Gina	(21) EP14825175.4	European Patent Office (EPO)
GUPTA, Renu	(22) 19.11.2014	(47) 03.08.2022
(74) ir. W.J.J.M. Kempes	(54) NEW TREATMENT OF CHRONIC	(51) A61K 39/395
(31) 201462056296 P	ULCERS	A61K 47/06
201462048068 P	(73) Pergasus AB	(11) EP3700566
201462042126 P	(72) GRÖNBERG, Alvar	(21) EP18795415.1
201461993439 P	MAHLAPUU, Margit	(22) 23.10.2018
(32) 26.09.2014	DIETERICH, Christine	(54) AFFINITY PURIFICATION OF
09.09.2014	(74) J.M.H. Duyver lic.	ENGINEERED EXTRACELLULAR
26.08.2014	(31) PCT/GB2013/053053	VESICLES
15.05.2014	(32) 19.11.2013	(73) Evox Therapeutics Limited
(33) United States of America	(33) World Intellectual Property Office (WIPO)	(72) WIKLANDER, Oscar
United States of America	(47) 03.08.2022	GÖRGENS, André
United States of America	(51) A61K 38/36	(74) dr. W.A.H.M. Van Borm
United States of America	(11) EP3091997	(31) 201717446
(47) 06.07.2022	(21) EP15735473.9	(32) 24.10.2017
(51) A61K 31/727	(22) 09.01.2015	(33) United Kingdom
A61L 33/00	(54) FACTOR VIII CHIMERIC PROTEINS	(47) 17.08.2022
A61K 47/62	AND USES THEREOF	(51) A61K 39/395
(11) EP3821897	(73) Bioverativ Therapeutics Inc.	A61K 51/10
(21) EP20209204.5	(72) CHHABRA, Ekta Seth	C07K 16/46
(22) 17.12.2012	LIU, Tongyao	C07K 16/28
(54) MEANS AND METHOD OF TREATING	(74) ir. W.J.J.M. Kempes	C07K 16/18
BLOOD VESSELS	(31) 201461988104 P	C12P 21/08
(73) Corline Biomedical AB	201461926226 P	(11) EP3280443
(72) LARSSON, Rolf	(32) 02.05.2014	(21) EP16777327.4
(74) J.M.H. Duyver lic.	10.01.2014	(22) 08.04.2016
(31) 1151266	(33) United States of America	(54) ANTIBODY THERAPEUTICS THAT
(32) 22.12.2011	United States of America	BIND CD38
(33) Sweden	(47) 06.07.2022	(73) Sorrento Therapeutics, Inc.
(47) 06.07.2022	(51) A61K 39/00	(72) ZHOU, Heyue
(51) A61K 38/08	C12N 15/67	GRAY, John, Dixon
A61K 38/07	(11) EP3708668	(74) ir. W.J.J.M. Kempes
A61K 38/06	(21) EP20157801.0	(31) 201562144901 P
C07K 7/06	(22) 11.12.2015	(32) 08.04.2015
C07K 7/00	(54) ARTIFICIAL NUCLEIC ACID	(33) United States of America
A61K 38/16	MOLECULES FOR IMPROVED	(47) 24.08.2022
A61P 35/00	PROTEIN EXPRESSION	(51) A61K 48/00
A61P 3/10	(73) CureVac AG	C12N 5/10
A61P 3/00	(72) THEß, Andreas	C07K 14/075
A61K 8/64	SCHLAKE, Thomas	(11) EP2968605
A61Q 19/08	GRUND, Stefanie	(21) EP14763050.3
(11) EP3548058	(74) dr. R.C. van Duijvenbode c.s.	(22) 14.03.2014
(21) EP17825396.9	(31) PCT/EP2014/003334	(54) METHODS AND COMPOSITIONS
(22) 05.12.2017	(32) 12.12.2014	FOR DUAL GLYCAN BINDING AAV
(54) COMPOSITIONS COMPRISING	(33) World Intellectual Property Office (WIPO)	VECTORS
PEPTIDE WKDEAGKPLVK	(47) 27.07.2022	(73) The University of North Carolina At
(73) Nuritas Limited	(51) A61K 39/145	Chapel Hill

(72) SAMULSKI, Richard ASOKAN, Aravind (74) dr. A. Krebs (31) 201361802111 P (32) 15.03.2013 (33) United States of America (47) 27.07.2022	(54) URINARY CATHETERS HAVING VARYING FLEXIBILITY (73) Hollister Incorporated (72) HANNON, David HENRY, Jerome, A. MURRAY, Michael, G. WEINSTEIN, Mitchell, J. (74) ir. W.J.J.M. Kempes (31) 201261726111 P (32) 14.11.2012 (33) United States of America (47) 10.08.2022	26.02.2010 (33) United States of America United States of America United States of America United States of America (47) 31.08.2022
(51) A61L 15/28 A61L 15/42 A61L 15/46 (11) EP3250245 (21) EP16707505.0 (22) 27.01.2016 (54) COMPOSITION FOR A WOUND DRESSING (73) Medtrade Products Limited (72) HOGGARTH, Andrew HARDY, Craig (74) ir. H.J.G. Lips c.s. (31) 201501334 (32) 27.01.2015 (33) United Kingdom (47) 22.06.2022	(51) A61M 25/00 (11) EP2968842 (21) EP14725262.1 (22) 13.03.2014 (54) URINARY CATHETERS WITH PROTECTIVE TIP (73) Hollister Incorporated (72) O'FLYNN, Padraig HANNON, David MULKERRIN, Colm MURRAY, Michael MCMENAMIN, Martin FOLEY, Adam (74) ir. W.J.J.M. Kempes (31) 201313803139 (32) 14.03.2013 (33) United States of America (47) 20.07.2022	(51) A61N 1/362 A61N 1/365 A61N 1/368 (11) EP3684464 (21) EP18766479.2 (22) 28.08.2018 (54) SYSTEMS FOR HEART FAILURE MANAGEMENT (73) Cardiac Pacemakers, Inc. (72) SIEJKO, Krzysztof Z. TERNES, David J. HUMPHREY, Jason YU, Yinghong DUFRESNE, Michael James THAKUR, Pramodsingh Hirasingh AN, Qi (74) ir. H.J.G. Lips c.s. (31) 201762561175 P (32) 20.09.2017 (33) United States of America (47) 10.08.2022
(51) A61L 15/46 (11) EP2809363 (21) EP13702636.5 (22) 01.02.2013 (54) WOUND CARE ARTICLE COMPRISING AT LEAST ONE SURFACE HAVING ABRASIVE PROPERTIES (73) BSN medical GmbH (72) RIESINGER, Birgit (74) dr. R.C. van Duijvenbode c.s. (31) 102012101317 102012101100 102012100842 (32) 17.02.2012 10.02.2012 01.02.2012 (33) Germany Germany Germany (47) 22.06.2022	(51) A61M 25/00 A61B 17/12 A61F 2/24 (11) EP3458136 (21) EP17729192.9 (22) 12.05.2017 (54) INVERTING TEMPORARY VALVE SHEATH (73) VALVE MEDICAL LTD. (72) RICHTER, Yoram KREIZLER, Mark WEISZ, Ety (74) dr. R.C. van Duijvenbode c.s. (31) 201662336983 P (32) 16.05.2016 (33) United States of America (47) 03.08.2022	(51) A61N 5/06 (11) EP3389778 (21) EP16815830.1 (22) 16.12.2016 (54) DEVICE FOR PHOTODYNAMIC TREATMENT (73) Photocure ASA (72) GJØRSVIK, Tore GODAL, Aslak WARREN, Roger William Rolfe (74) J.M.H. Duyver lic. (31) 201522398 (32) 18.12.2015 (33) United Kingdom (47) 24.08.2022
(51) A61M 15/06 A61M 11/04 A24F 47/00 (11) EP3463535 (21) EP17729288.5 (22) 25.05.2017 (54) CONTROL OF AN ELECTRONIC VAPORIZER (73) Juul Labs, Inc. (72) ATKINS, Ariel GOULD, Alexander BOWEN, Adam XING, Chenyue MONSEES, James HATTON, Nicholas, J. COHEN, Gal, A. (74) J.M.H. Duyver lic. (31) 201662341579 P (32) 25.05.2016 (33) United States of America (47) 10.08.2022	(51) A61N 1/36 A61N 1/05 G06N 3/04 A61F 9/08 A61N 5/06 (11) EP3669933 (21) EP20156830.0 (22) 28.02.2011 (54) RETINA PROSTHESIS (73) Cornell University (72) OHIOHENUAN, Ifije PANDARINATH, Chethan NIRENBERG, Sheila (74) dr. A. Krebs (31) 38228010 P 37879310 P 35918810 P 30868110 P (32) 13.09.2010 31.08.2010 28.06.2010	(51) A63F 7/00 A63F 9/02 A63B 65/00 A63B 69/40 A63F 7/24 F41B 4/00 A63F 7/40 (11) EP3583376 (21) EP18754426.7 (22) 08.02.2018 (54) PAWN LAUNCHING GAME (73) Catchup Toys Limited (72) RUBIN, Guy RESCH, Avi (74) ir. W.J.J.M. Kempes (31) 201762459634 P (32) 16.02.2017 (33) United States of America (47) 22.06.2022
(51) A61M 25/00 (11) EP2919844 (21) EP13716493.5 (22) 12.03.2013	(51) A63F 13/30 A63F 13/60 A63F 13/69 (11) EP2931392 (21) EP13814337.5 (22) 10.12.2013	

(54) PRESENTING DIGITAL CONTENT ITEM WITH TIERED FUNCTIONALITY	BRANDT, Stefan	United States of America
(73) Microsoft Technology Licensing, LLC	(74) ir. W.J.J.M. Kempes	(47) 13.07.2022
(72) HENSHAW, Jeffrey, David	(31) 15001039	(51) B01L 3/00
MORRISON, Frank, R., III	15000189	B01L 7/00
LOCKARD, Eric, Neil	(32) 11.04.2015	G01N 21/03
TRINDEV, Ivan, P.	23.01.2015	G01N 21/78
GALLOP, Michael	(33) European Patent Office (EPO)	G01N 33/50
HUNT, Brandon	European Patent Office (EPO)	G01N 21/80
(74) J.M.H. Duyver lic.	(47) 22.06.2022	(11) EP3430378
(31) 201213715913	(51) B01J 20/22	(21) EP17767338.1
(32) 14.12.2012	B01J 20/32	(22) 14.03.2017
(33) United States of America	B01J 49/00	(54) DEVICES AND METHODS FOR MODIFYING OPTICAL PROPERTIES
(47) 24.08.2022	B01J 39/16	(73) Lucira Health, Inc.
(51) A63F 13/48	B01J 39/18	(72) DIMOV, Ivan Krastev
A63F 13/533	B01J 47/02	MYERS, Frank B., III
A63F 13/69	C01F 17/00	MITRA, Debkishore
(11) EP3582866	C22B 3/38	WALDEISEN, John Robert
(21) EP18746982.0	C22B 3/42	(74) dr. R.C. van Duijvenbode c.s.
(22) 25.01.2018	C22B 59/00	(31) 201662307881 P
(54) GAME APPLICATION LAUNCH SYSTEM AND METHOD	B01J 39/05	(32) 14.03.2016
(73) Sony Interactive Entertainment Inc.	B01J 47/016	(33) United States of America
(72) BROWN, Simon	B01J 49/06	(47) 10.08.2022
(74) ir. W.J.J.M. Kempes	B01J 49/53	(51) B02C 13/28
(31) 201702682	B01J 47/011	B02C 18/18
(32) 20.02.2017	G21G 4/08	E02F 9/28
(33) United Kingdom	(11) EP3369097	E21C 35/18
(47) 31.08.2022	(21) EP16860608.5	(11) EP3374084
(51) B01D 11/04	(22) 25.10.2016	(21) EP16787786.9
B01D 61/38	(54) METHOD AND USAGE OF COMPOSITE EXTRACTANT-ENHANCED POLYMER RESIN FOR EXTRACTION OF VALUABLE METAL	(22) 21.10.2016
G01N 1/40	(73) Il-VI Incorporated	(54) TOOL FOR WORKING ABRASIVE MATERIALS
B01D 57/02	(72) XU, Wen-Qing	(73) thyssenkrupp Industrial Solutions AG
B01D 61/24	MATTERA, Vincent, D., Jr.	thyssenkrupp AG
B01D 61/42	ABELLA, Marie Ysabel, R.	(72) ROSSITER, Eduardo
(11) EP2838631	ABRENICA, Gomer, M.	NEYER, Christian
(21) EP13720613.2	PATKAR, Shailesh	(74) dr. R.C. van Duijvenbode c.s.
(22) 19.04.2013	(74) ir. H.A. Witmans c.s.	(31) 102015222020
(54) ELECTROEXTRACTION	(31) 201562269174 P	(32) 09.11.2015
(73) Universiteit Leiden	201562248473 P	(33) Germany
(72) RATERINK, Robert-Jan	(32) 18.12.2015	(47) 20.07.2022
LINDENBURG, Peter	30.10.2015	(51) B05D 7/06
HANKEMEIER, Thomas	(33) United States of America	B05D 5/08
(74) ir. C.G.C. Veldman-Dijkers	United States of America	B32B 21/00
(31) 2008662	(47) 29.06.2022	C09D 7/40
201261635428 P	(51) B01L 3/00	C09D 5/18
(32) 19.04.2012	B01L 7/00	C08K 3/04
19.04.2012	B01L 9/00	B82Y 30/00
(33) Netherlands	G01N 21/03	B32B 21/14
United States of America	G01N 21/64	B32B 21/13
(47) 22.06.2022	G01N 15/10	B05D 5/00
(51) B01D 69/10	G01N 15/14	B05D 7/00
B01D 71/48	(11) EP3302804	B27K 5/02
F24F 3/147	(21) EP16804070.7	C09D 15/00
F28D 21/00	(22) 26.05.2016	C09D 1/00
B01D 63/14	(54) SAMPLE CARRIER AND ASSAY SYSTEM FOR CONDUCTING DESIGNATED REACTIONS	(11) EP3429764
(11) EP3247485	(73) Illumina, Inc.	(21) EP17713381.6
(21) EP16709100.8	(72) DONOVAN, Darryl	(22) 15.03.2017
(22) 22.01.2016	MURCIA, Antoni	(54) MULTIFUNCTIONAL WOOD COATINGS
(54) ENTHALPY EXCHANGER ELEMENT, ENTHALPY EXCHANGER COMPRISING SUCH ELEMENTS AND METHOD FOR THEIR PRODUCTION	(74) ir. J.D. de Zeeuw	(73) Levidian Nanosystems Limited
(73) Zehnder Group International AG	(31) 201562213670 P	(72) JAKUBOWSKA, Malgorzata
Sympatex Technologies GmbH	201562168531 P	KOZIOL, Krzysztof Kazimierz
(72) HIRSCH, Christian	(32) 03.09.2015	LEKAWA-RAUS, Agnieszka
BIER, Christian	29.05.2015	LUKAWSKI, Damian
MAYERSHOFER, Martin	(33) United States of America	KRZEMINSKI, Jakub
		(74) ir. F.A. Geurts c.s.
		(31) 201604576
		(32) 17.03.2016

(33) United Kingdom (47) 29.06.2022	(74) ir. H.A. Witmans c.s. (31) 201700109834	(33) Germany (47) 20.07.2022
(51) B07C 3/00 B07C 5/36	(32) 02.10.2017 (33) Italy (47) 29.06.2022	(51) B29C 48/90 B29C 48/09 B22F 3/105 B33Y 10/00 B33Y 30/00 B33Y 50/00 B33Y 80/00
(11) EP3943201 (21) EP21172566.8 (22) 06.05.2021	(51) B23Q 7/04 (11) EP3870405 (21) EP19802045.5 (22) 10.10.2019	(11) EP3921136 (21) EP20705910.6 (22) 13.02.2020
(54) INSTALLATION FOR SORTING PARCELS WITH PARCEL SORTING RECEPTACLES WITH ELASTIC WALLS	(54) DEVICE FOR MACHINING A WORKPIECE (73) zwo17 GmbH & Co. KG (72) EUGLER, Norbert (74) ir. F.A. Geurts c.s. (31) 102018008428 (32) 26.10.2018 (33) Germany (47) 22.06.2022	(54) LAMELLA BLOCK COMPRISING LATERALLY DISPLACED LAMELLAE (73) KraussMaffei Technologies GmbH (72) BREUNING, Walter (74) ir. F.A. Geurts c.s. (31) 102019002022 (32) 21.03.2019 (33) Germany (47) 13.07.2022
(73) Solystic (72) MOULLARD, Eric GUTTER, David FAIVRE, Lionel	(51) B25H 3/04 (11) EP3915733 (21) EP21167565.7 (22) 09.04.2021	(51) B29D 30/06 B29C 33/10 (11) EP3463837 (21) EP17724776.4 (22) 08.05.2017
(74) ir. W.J.J.M. Kempes (31) 2007758 (32) 23.07.2020 (33) France (47) 03.08.2022	(54) SUPPORT FOR TOOLS AND SUPPORT SYSTEM FOR TOOLS (73) Fami S.R.L. (72) MILANI, Luca FRISON, Lorenzo (74) dr. R.C. van Duijvenbode c.s. (31) 202000012709 (32) 28.05.2020 (33) Italy (47) 24.08.2022	(54) MATRIX FOR A TIRE MOULD, TIRE MOULD AND METHOD OF MANUFACTURING (73) Continental Reifen Deutschland GmbH (72) HASSELLÖF, Magnus DZICK, Jürgen (74) ir. W.J.J.M. Kempes (31) 102016209910 (32) 06.06.2016 (33) Germany (47) 06.07.2022
(51) B21D 22/06 B21D 24/04 B21D 35/00	(51) B29C 45/77 B29C 45/76 (11) EP3619023 (21) EP18721795.5 (22) 03.05.2018	(51) B32B 15/095 B32B 27/40 B32B 15/18 B32B 15/20 C08G 18/48 C08G 18/72 (11) EP3746294 (21) EP19701126.5 (22) 25.01.2019
(11) EP3401032 (21) EP18171616.8 (22) 09.05.2018	(54) CONTROL AND REGULATION OF THE PRESSURE OF A CYCLICALLY OPERATING INJECTION MOULDING MACHINE (73) Arburg GmbH + Co KG (72) RUF, Thomas DUFFNER, DR., Eberhardt (74) dr. R.C. van Duijvenbode c.s. (31) 102017207586 (32) 05.05.2017 (33) Germany (47) 22.06.2022	(54) COMPOSITE TOOL AND METHOD FOR PRODUCING A SHEET COMPONENT (73) Läßle Automotive GmbH (72) HECKMANN, Martin BAUMANN, Valeri (74) J.M.H. Duyver lic. (31) 202017107906 U 102017207934 (32) 22.12.2017 10.05.2017
(54) COMPOSITE TOOL AND METHOD FOR PRODUCING A SHEET COMPONENT	(51) B21D 51/26 B21D 41/04 B21D 43/12 B21D 43/18	(54) COMPOSITE ELEMENT HAVING IMPROVED PROPERTIES (73) BASF SE (72) GRIESER-SCHMITZ, Christof KAMM, Andre (74) ir. W.J.J.M. Kempes (31) 18154345 (32) 31.01.2018 (33) European Patent Office (EPO) (47) 06.07.2022
(73) Läßle Automotive GmbH (72) HECKMANN, Martin BAUMANN, Valeri (74) J.M.H. Duyver lic. (31) 202017107906 U 102017207934 (32) 22.12.2017 10.05.2017	(51) B29C 48/90 B29C 48/09 B22F 3/105 B22F 5/10 B33Y 10/00 B33Y 30/00 B33Y 50/00 B33Y 80/00	(51) B32B 27/12 B32B 5/02 B32B 27/08 B32B 27/32 B32B 27/34 B32B 27/40 B65D 33/04 (11) EP3274168 (21) EP16713264.6 (22) 22.03.2016
(33) Germany Germany (47) 06.07.2022	(54) LINEAR APPARATUS FOR FORMING CAN OPENING (73) Suzhou Slac Precision Equipment Co., Ltd (72) LIU, Bingxin WANG, Bingsheng KONG, Lingguang (74) ir. W.J.J.M. Kempes (31) 201610003673 (32) 05.01.2016 (33) China (47) 31.08.2022	(51) B32B 15/095 B32B 27/40 B32B 15/18 B32B 15/20 C08G 18/48 C08G 18/72 (11) EP3746294 (21) EP19701126.5 (22) 25.01.2019
(51) B21D 51/26 B21D 41/04 B21D 43/12 B21D 43/18	(51) B21F 23/00 B21D 43/00 B21D 43/28	(54) ABRASION RESISTANT FILM FOR BIOCONTAINERS
(11) EP3401035 (21) EP16883385.3 (22) 09.12.2016	(11) EP3921135 (21) EP20705909.8 (22) 13.02.2020	
(54) LINEAR APPARATUS FOR FORMING CAN OPENING	(54) LAMELLA BLOCK WITH LAMELLA OPENINGS (73) KraussMaffei Technologies GmbH (72) ESSWEIN, Michael BREUNING, Walter (74) ir. F.A. Geurts c.s. (31) 102019002027 (32) 21.03.2019	
(73) Suzhou Slac Precision Equipment Co., Ltd		
(72) LIU, Bingxin WANG, Bingsheng KONG, Lingguang (74) ir. W.J.J.M. Kempes (31) 201610003673 (32) 05.01.2016 (33) China (47) 31.08.2022		
(51) B21F 23/00 B21D 43/00 B21D 43/28		
(11) EP3691809 (21) EP18793487.2 (22) 02.10.2018		
(54) APPARATUS AND METHOD FOR FEEDING BARS		
(73) M.E.P. Macchine Elettroniche Piegatrici S.p.A. (72) DEL FABRO, Giorgio		

(73) EMD Millipore Corporation	(51) B60J 5/12	(51) B60W 50/023
(72) DECOSTE, David	B60J 5/14	B60T 8/88
CIANCIOLO, Joseph	B60J 10/244	(11) EP3626571
FURBUSH, Michael	(11) EP3798032	(21) EP18195302.7
SARAGOSA, John	(21) EP20208419.0	(22) 18.09.2018
(74) ir. W.J.J.M. Kempes	(22) 19.09.2018	(54) CONTROL ARCHITECTURE FOR A
(31) 201562136691 P	(54) SECTIONAL DOOR FOR GOODS	VEHICLE
(32) 23.03.2015	TRANSPORT COMPARTMENT	(73) KNORR-BREMSE Systeme für
(33) United States of America	COMPRISES AN INFLATABLE SEAL,	Nutzfahrzeuge GmbH
(47) 24.08.2022	ASSOCIATED COMPARTMENT AND	(72) Bárdos, Ádám
(51) B41F 33/00	VEHICLE FOR TRANSPORTING	Rapp, Tamás
(11) EP3521032	GOODS	Németh, Huba
(21) EP17855583.5	(73) Lecapitaine Industrie	Széll, Péter
(22) 04.09.2017	(72) YBERT, Florentin	Kokrehel, Csaba
(54) PRINTED OBJECT MANAGEMENT	GILLES, Loïc	(74) dr. R.C. van Duijvenbode c.s.
APPARATUS AND MANAGEMENT	(74) dr. R.C. van Duijvenbode c.s.	(47) 17.08.2022
METHOD	(31) 1758661	(51) B62D 15/02
(73) Komori Corporation	(32) 19.09.2017	(11) EP3932779
(72) KONISHI, Takahiro	(33) France	(21) EP20184002.2
MORONO, Tomoyuki	(47) 27.07.2022	(22) 03.07.2020
MIYAZAKI, Katsuharu	(51) B60L 1/00	(54) A METHOD FOR GUIDING A VEHICLE
(74) ir. A. Blokland c.s.	B60L 53/126	(73) VOLVO TRUCK CORPORATION
(31) 2016193741	B60L 53/51	(72) JOHANSSON, Daniel
(32) 30.09.2016	B60L 55/00	(74) ir. W.J.J.M. Kempes
(33) Japan	B60L 53/57	(47) 31.08.2022
(47) 24.08.2022	H02J 7/00	(51) B63H 1/18
(51) B41J 2/175	(11) EP3856560	B63H 1/28
B41J 29/02	(21) EP19783909.5	(11) EP3621873
B41J 29/13	(22) 25.09.2019	(21) EP18725905.6
(11) EP3663092	(54) PROVIDING ON-DEMAND POWER	(22) 11.05.2018
(21) EP20154590.2	CHARGING FOR ELECTRIC VEHICLES	(54) PROPELLER CAVITATION AND NOISE
(22) 07.06.2017	(73) Landis+Gyr Innovations, Inc.	REDUCTION
(54) USE OF AN INK REFILL CONTAINER	(72) WESTIN, Erik	(73) Oscar Propulsion Ltd
(73) Seiko Epson Corporation	(74) ir. W.J.J.M. Kempes	(72) AKTAS, Batuhan
(72) Takamoto, Tetsuya	(31) 201862737320 P	ATLAR, Mehmet
Kobayashi, Makoto	(32) 27.09.2018	TAYLOR, David
Tanaka, Ryoichi	(33) United States of America	(74) dr. R.C. van Duijvenbode c.s.
Kimura, Naomi	(47) 17.08.2022	(31) 201707565
Akahane, Manabu	(51) B60L 3/04	(32) 11.05.2017
Okumura, Hideki	B60L 53/12	(33) United Kingdom
Kudo, Shoma	(11) EP3781429	(47) 10.08.2022
Mizutani, Tadahiro	(21) EP18720552.1	(51) B64G 1/10
Sakai, Hiroaki	(22) 19.04.2018	B64G 1/64
(74) dr. ir. F.M. van Bouwelen	(54) A POWER TRANSFER SYSTEM FOR	(11) EP3802328
(31) 2016208864	ELECTRIC VEHICLES	(21) EP19722590.7
2016203332	(73) ABB Schweiz AG	(22) 03.05.2019
2016116155	(72) TOMBELLI, Fabio	(54) EFFICIENT SATELLITE STRUCTURE
(32) 25.10.2016	BLASZCZYK, Pawel	CONCEPT FOR SINGLE OR STACKING
17.10.2016	LEGA, Marco	MULTIPLE LAUNCHES
10.06.2016	APELDOORN, Oscar	(73) The European Union, represented by the
(33) Japan	(74) ir. W.J.J.M. Kempes	European Commission
Japan	(47) 15.06.2022	(72) LANDELLA, Giuseppe
Japan	(51) B60R 25/00	PANETTI, Aniceto
(47) 24.08.2022	(11) EP3715188	GALASSI, Paolo
(51) B41M 5/00	(21) EP20166090.9	CAROFANO, Vincenzo
B41M 3/06	(22) 26.03.2020	(74) J.M.H. Duyver lic.
B44F 9/02	(54) SECURING SYSTEM FOR VEHICLE	(31) 18425039
B44C 5/04	TRAILERS	(32) 24.05.2018
(11) EP3865309	(73) Leuthold, Lutz	(33) European Patent Office (EPO)
(21) EP20156613.0	(72) Leuthold, Lutz	(47) 06.07.2022
(22) 11.02.2020	(74) dr. R.C. van Duijvenbode c.s.	(51) B65D 21/06
(54) PRODUCTION METHOD FOR AT	(31) 102020108312	B65D 81/26
LEAST ONE MATERIAL WITH PRINTED	102019107790	(11) EP3481736
DECORATIVE ELEMENT	(32) 25.03.2020	(21) EP17725224.4
(73) Flooring Technologies Ltd.	26.03.2019	(22) 19.05.2017
(72) Dicke, Sebastian	(33) Germany	(54) STACKABLE CONTAINER HAVING
(74) ir. H.A. Witmans c.s.	Germany	MEANS FOR REMOVING LIQUID AT
(47) 13.07.2022	(47) 15.06.2022	THE BOTTOM

(73) H2 Innovation GmbH	504392015	ZHANG, Lei
(72) ULLIUS, Heinrich	(32) 23.12.2015	RAITANI, Rajesh
HURT, Nathaly Hubertine	29.05.2015	(74) ir. W.J.J.M. Kempes
(74) dr. A. Krebs	(33) Austria	(31) 201762569590 P
(31) 102016112399	Austria	(32) 08.10.2017
(32) 06.07.2016	(47) 29.06.2022	(33) United States of America
(33) Germany	(51) B65G 15/34	(47) 06.07.2022
(47) 06.07.2022	B65G 15/42	(51) C02F 1/28
(51) B65D 41/34	(11) EP3733563	C02F 1/42
B65D 1/02	(21) EP18895844.1	C02F 103/18
(11) EP3515834	(22) 25.12.2018	C02F 103/36
(21) EP16794405.7	(54) CONVEYOR BELT	(11) EP3793947
(22) 23.09.2016	(73) Nitta Corporation	(21) EP19732117.7
(54) SYSTEM INCLUDING A CAP AND A CONTAINER AND METHOD FOR MANUFACTURING	(72) SATO Yuki	(22) 06.05.2019
(73) Soci�t� Anonyme des Eaux Min�rales d'Evian et en Abr�g� "S.A.E.M.E"	SAITO Kensuke	(54) A PROCESS TO RECYCLE WATER CONDENSATE FROM CO2 OFF GAS STREAM
(72) GALLAY, Renaud	JOUO Masafumi	(73) SABIC Global Technologies B.V.
NUSBAUM, Philippe	MORIMOTO Koki	(72) IMRAN, Muhammad
ROUSSY, Michel	(74) ir. H.A. Witmans c.s.	NAIR, Sreejit
SAVAJANO, Romain	(31) 2017252044	SHARMA, Deepak
(74) dr. R.C. van Duijvenbode c.s.	(32) 27.12.2017	(74) ir. H.A. Witmans c.s.
(47) 22.06.2022	(33) Japan	(31) 201862673034 P
(51) B65D 51/24	(47) 22.06.2022	(32) 17.05.2018
B65D 45/30	(51) B66F 7/28	(33) United States of America
B65D 51/00	B66F 3/46	(47) 29.06.2022
A61J 1/14	B66F 17/00	(51) C02F 3/34
(11) EP3763634	(11) EP3345861	E03D 9/03
(21) EP20179713.1	(21) EP18150072.9	C02F 103/30
(22) 12.06.2020	(22) 02.01.2018	(11) EP3583076
(54) LOCKING COVER FOR CONTAINER WITH NECK	(54) LIFTING DEVICE FOR LIFTING A VEHICLE WITH A LOCKING SYSTEM AND LIFTING SYSTEM AND METHOD THEREFOR	(21) EP18706007.4
(73) A. Raymond et Cie	(73) STERTIL B.V.	(22) 14.02.2018
(72) REY, Ga�tan	(72) De Jong, Jurjen Jan	(54) ENZYMATIC PURIFICATION OF TOILET WATER
CLAVEL, Maxime	(74) dr. ir. G.J.C. Verdijck c.s.	(73) Pharem Biotech AB
(74) ir. W.J.J.M. Kempes	(31) 2018120	(72) RYEN, Martin
(31) 1907693	(32) 04.01.2017	(74) dr. R.C. van Duijvenbode c.s.
(32) 09.07.2019	(33) Netherlands	(31) 1750141
(33) France	(47) 24.08.2022	(32) 15.02.2017
(47) 03.08.2022	(51) B67D 1/00	(33) Sweden
(51) B65D 81/133	B01F 3/04	(47) 29.06.2022
B65D 5/50	B01F 13/10	(51) C03C 3/097
B65D 81/113	B01F 5/02	C03C 4/00
(11) EP3789315	B01F 5/04	C03C 10/00
(21) EP20194095.4	B01F 5/06	(11) EP3122691
(22) 02.09.2020	(11) EP3551571	(21) EP15715195.2
(54) PACKAGING PADDING	(21) EP17817291.2	(22) 27.03.2015
(73) Buhl-PaperForm GmbH	(22) 05.12.2017	(54) METHOD FOR PRODUCING A LITHIUM SILICATE GLASS PREFORM AND A LITHIUM SILICATE GLASS CERAMIC PREFORM
(72) Buhl, Christoph	(54) WATER DISPENSER FOR DISPENSING CARBONIZED WATER AND METHOD	(73) Dentsply Sirona Inc.
(74) ir. H.A. Witmans c.s.	(73) Apiqe Holdings, LLC	(72) VOLLMANN, Markus
(31) 202019104944 U	(72) VAN DE SLUIS, Jasper Jacobus	SCHUSSER, Udo
(32) 06.09.2019	BOTH, Mattheus Pieter	(74) ir. W.J.J.M. Kempes
(33) Germany	(74) ir. J.C. Volmer c.s.	(31) 102014104401
(47) 03.08.2022	(31) 2017940	(32) 28.03.2014
(51) B65G 1/04	(32) 06.12.2016	(33) Germany
B65G 43/08	(33) Netherlands	(47) 29.06.2022
(11) EP3303187	(47) 15.06.2022	(51) C03C 4/02
(21) EP16735973.6	(51) C01B 25/237	C03C 3/087
(22) 23.05.2016	C01B 25/238	C03C 3/095
(54) STORAGE SYSTEM	(11) EP3691992	C03B 18/18
(73) TGW Mechanics GmbH	(21) EP18865098.0	C03B 5/235
(72) GROSSE, Eric	(22) 05.10.2018	C03C 1/00
GRUBER, Thomas	(54) PROCESSES FOR REMOVING HEAVY METALS FROM PHOSPHORIC ACID SOLUTIONS	(11) EP1477464
RAUSCH, Martin	(73) Cytec Industries Inc.	(21) EP04011339.1
SCHAUER, Johannes	(72) QIU, Xueping	(22) 13.05.2004
(74) J.M.H. Duyver lic.		
(31) 511012015		

(54) Transparent glass having blue edge color	(31) 201662401410 P	MELDER, Johann-Peter
(73) Vitro Flat Glass LLC	(32) 29.09.2016	(74) ir. W.J.J.M. Kempes
(72) Heithoff, Robert B.	(33) United States of America	(31) 17175144
(74) ir. F.A. Geurts c.s.	(47) 07.09.2022	(32) 09.06.2017
(31) 438134	(51) C07C 29/151	(33) European Patent Office (EPO)
(32) 14.05.2003	C07C 31/04	(47) 06.07.2022
(33) United States of America	(11) EP3793970	(51) C07C 215/14
(47) 06.07.2022	(21) EP19718842.8	C09K 8/36
(51) C07C 2/08	(22) 16.04.2019	(11) EP3717449
C07C 2/10	(54) PROCESS FOR SYNTHESISING	(21) EP18834262.0
C07C 2/12	METHANOL	(22) 21.12.2018
C07C 11/02	(73) Johnson Matthey Davy Technologies	(54) N-HYDROXYALKYLATED
C07C 11/08	Limited	POLYAMINES, METHODS OF
C07C 11/107	(72) EARLY, Simon Robert	MAKING N-HYDROXYALKYLATED
(11) EP3596030	TURNBULL, David McGregor	POLYAMINES, AND FLUIDS
(21) EP18715367.1	(74) ir. W.J.J.M. Kempes	CONTAINING AN N-
(22) 14.03.2018	(31) 201808019	HYDROXYALKYLATED POLYAMINE
(54) PROCESS FOR ETHYLENE	(32) 17.05.2018	(73) Saudi Arabian Oil Company
OLIGOMERIZATION TO PRODUCE	(33) United Kingdom	(72) REDDY, B. Raghava
ALPHA-OLEFINS	(47) 27.07.2022	HILFIGER, Matthew
(73) Saudi Arabian Oil Company	(51) C07C 29/151	(74) ir. W.J.J.M. Kempes
(72) WEI, Xu	C07C 31/04	(31) 201815860831
SHAIK, Kareemuddin	C01B 3/38	(32) 03.01.2018
ZHANG, Zhonglin	(11) EP3816145	(33) United States of America
RIVERA, Rodrigo, Sandoval	(21) EP19020610.2	(47) 31.08.2022
SHAIKH, Sohel	(22) 31.10.2019	(51) C07D 207/08
YAMI, Hussain	(54) METHOD AND INSTALLATION FOR	C07D 401/02
(74) ir. H.A. Witmans c.s.	PRODUCING METHANOL FROM	C07D 403/02
(31) 201762471266 P	HYDROGEN-RICH SYNTHESIS GAS	A61K 31/40
(32) 14.03.2017	(73) L'AIR LIQUIDE, SOCIÉTÉ ANONYME	A61K 31/435
(33) United States of America	POUR L'ÉTUDE ET L'EXPLOITATION	A61K 31/495
(47) 20.07.2022	DES PROCÉDÉS GEORGES CLAUDE	A61K 31/497
(51) C07C 4/06	(72) Gronemann, Veronika	A61P 9/00
C07C 6/04	Haase, Stephan	A61P 3/00
C07C 11/04	Lim, Chin Han	(11) EP3668837
C07C 11/06	Janko, Lutz	(21) EP17921966.2
C10G 11/05	Kopetsch, Hans	(22) 17.08.2017
C10G 51/02	(74) ir. W.J.J.M. Kempes	(54) PREPARATION AND USES OF
C10G 57/00	(47) 06.07.2022	REACTIVE OXYGEN SPECIES
(11) EP3558908	(51) C07C 51/44	SCAVENGER DERIVATIVES
(21) EP17832339.0	C07C 51/48	(73) XWPharma Ltd.
(22) 14.12.2017	C07C 53/08	(72) XIANG, Jia-Ning
(54) PROCESS TO PRODUCE OLEFINS	(11) EP3356321	QI, Zude
FROM A CATALYTICALLY CRACKED	(21) EP15782172.9	NING, Dezheng
HYDROCARBONS STREAM	(22) 02.10.2015	LIU, Xianbo
(73) SABIC Global Technologies B.V.	(54) PROCESS TO PRODUCE ACETIC ACID	(74) ir. H.A. Witmans c.s.
(72) AL-MAJNOUNI, Khalid A.	WITH RECYCLE OF WATER	(47) 06.07.2022
ALZENAI, Ahmed	(73) Celanese International Corporation	(51) C07D 211/78
AL-YASSIR, Nabil	(72) LIU, Yaw-Hwa	C07C 227/18
(74) ir. H.A. Witmans c.s.	SHAVAR, Ronald D.	C07B 53/00
(31) 201662437306 P	SCATES, Mark O.	(11) EP3733648
(32) 21.12.2016	(47) 03.08.2022	(21) EP18877299.0
(33) United States of America	(51) C07C 209/16	(22) 06.03.2018
(47) 10.08.2022	C07C 211/10	(54) METHOD FOR PREPARING 5R-
(51) C07C 29/132	C07C 213/02	BENZYLOXYAMINOPIPERIDIN-2S-
C07C 29/60	C07C 215/08	CARBOXYLIC ACID OR DERIVATIVE
C07C 31/20	B01J 23/00	THEREOF
(11) EP3519379	(11) EP3634936	(73) Xinfra Pharmaceutical Co., Ltd
(21) EP17781323.5	(21) EP18729356.8	(72) QI, Yuxin
(22) 28.09.2017	(22) 24.05.2018	LI, Xinfra
(54) METHOD FOR ACID TREATMENT	(54) PROCESS FOR PREPARING	XU, Xin
CONDITIONING OF A CATALYST IN	ETHYLENEAMINES	WANG, Baolin
THE PRODUCTION OF GLYCOLS	(73) BASF SE	QU, Hu
(73) Shell Internationale Research	(72) BEBENSEE, Regine Helga	XIE, Shungen
Maatschappij B.V.	HEIDEMANN, Thomas	(31) 201711456332
(72) MUTHUSAMY, Duraisamy	BECKER, Barbara	(32) 28.12.2017
NGUYEN, Viet Quoc	KOCH, Eva	(33) China
(74) ir. W.J.J.M. Kempes	LUYKEN, Hermann	(47) 08.06.2022



- (51) C07D 215/36  
C07D 401/04  
C07D 401/12  
A61K 31/47  
A61K 31/4709  
A61P 19/06  
A61P 19/02  
A61P 9/12  
A61P 9/00  
A61P 13/12  
A61P 39/02  
A61P 17/06  
(11) EP3388420  
(21) EP16872373.2  
(22) 06.12.2016  
(54) QUINOLINE COMPOUNDS,  
PREPARATION METHOD THEREOF,  
AND USE THEREOF AS URATE  
TRANSPORTER INHIBITOR DRUG  
(73) Hinova Pharmaceuticals Inc.  
(72) LUO, Tongchuan  
CHEN, Yuanwei  
LI, Xinghai  
ZHANG, Shaohua  
DU, Wu  
CHEN, Ke  
FAN, Lei  
XU, Kexin  
(74) ir. H.A. Witmans c.s.  
(31) 201510896887  
(32) 07.12.2015  
(33) China  
(47) 22.06.2022
- 
- (51) C07D 231/14  
A61K 31/415  
(11) EP3828173  
(21) EP20191747.3  
(22) 09.03.2015  
(54) SUBSTITUTED PYRAZOLES AS  
HUMAN PLASMA KALLIKREIN  
INHIBITORS  
(73) BioCryst Pharmaceuticals, Inc.  
(72) CHINTAREDDY, Venkat R  
KUMAR, Satish V  
KOTIAN, Pravin L.  
WU, Minwan  
ZHANG, Weihe  
BABU, Yarlagadda S.  
(74) ir. W.J.J.M. Kempes  
(31) 201461981515 P  
201461949808 P  
(32) 18.04.2014  
07.03.2014  
(33) United States of America  
United States of America  
(47) 31.08.2022
- 
- (51) C07D 405/14  
C07D 401/04  
A61P 25/16  
A61P 25/28  
(11) EP3781560  
(21) EP19720352.4  
(22) 17.04.2019  
(54) PYRAZO-  
TETRAHYDROISOQUINOLINE  
DERIVATIVES AS DOPAMINE D1  
RECEPTOR POSITIVE MODULATORS  
(73) Eli Lilly and Company
- (72) HILLIARD, Darryl Wayne  
COATES, David Andrew  
HAO, Junliang  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 201862660622 P  
(32) 20.04.2018  
(33) United States of America  
(47) 24.08.2022
- 
- (51) C07D 471/04  
A61K 31/437  
A61K 31/506  
C07D 471/10  
A61P 35/00  
(11) EP3442973  
(21) EP18785796.6  
(22) 15.05.2018  
(54) NOVEL COMPOUNDS AS AUTOTAXIN  
INHIBITORS AND PHARMACEUTICAL  
COMPOSITIONS COMPRISING THE  
SAME  
(73) LegoChem Biosciences, Inc.  
(72) KWON, Hyun Jin  
RYU, Jeong Hee  
KIM, Yun Ki  
CHUNG, Chul-Woong  
BAN, Eun Hye  
OH, Yeong Soo  
CHAE, Jeiwook  
YANG, Eun Hye  
KIM, Yong Zu  
CHAE, Sang Eun  
LEE, Dae Yon  
JUNG, Eun Mi  
CHOI, Yoon Jeong  
SHIN, Ju Hyun  
(74) dr. A. Krebs  
(31) 20170060940  
(32) 17.05.2017  
(33) Korea (Republic)  
(47) 31.08.2022
- 
- (51) C07D 519/00  
C07D 487/04  
C07D 471/04  
A61K 31/4985  
A61K 31/437  
A61P 35/00  
(11) EP3795573  
(21) EP20199091.8  
(22) 30.12.2010  
(54) CERTAIN TRIAZOLOPYRAZINES,  
COMPOSITIONS THEREOF AND  
METHODS OF USE THEREFOR  
(73) Hutchison Medipharma Limited  
(72) SU, Wei-Guo  
JIA, Hong  
DAI, Guangxiu  
(74) ir. W.J.J.M. Kempes  
(31) PCT/CN2009/076321  
(32) 31.12.2009  
(33) World Intellectual Property Office (WIPO)  
(47) 06.07.2022
- 
- (51) C07F 3/06  
C08L 83/04  
(11) EP3250576  
(21) EP16701449.7  
(22) 22.01.2016
- (54) ORGANIC ZINC COMPLEXES AS  
CATALYSTS FOR CONDENSATION  
REACTIONS  
(73) Henkel AG & Co. KGaA  
(72) KRAGL, Udo  
UNGER, Kerstin  
GUTACKER, Andrea  
MEJIA, Esteban  
LUND, Henrik  
KLEIN, Johann  
BOUDET, Helene  
BAUMGARD, Jens  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 102015201292  
(32) 26.01.2015  
(33) Germany  
(47) 20.07.2022
- 
- (51) C07H 21/02  
C07H 21/04  
A61K 31/712  
A61K 31/7125  
A61P 25/00  
(11) EP3612546  
(21) EP18721490.3  
(22) 20.04.2018  
(54) MODIFIED OLIGOMERIC  
COMPOUNDS COMPRISING  
TRICYCLO-DNA NUCLEOSIDES AND  
USES THEREOF  
(73) Synthena AG  
(72) RENNERT, Wolfgang Andreas  
DUGOVIC, Branislav  
BERTOLINI, Reto  
(74) J.M.H. Duyver lic.  
(31) 201762562124 P  
17167427  
(32) 22.09.2017  
20.04.2017  
(33) United States of America  
European Patent Office (EPO)  
(47) 13.07.2022
- 
- (51) C07K 16/12  
G01N 33/533  
G01N 33/569  
(11) EP3080160  
(21) EP14825458.4  
(22) 12.12.2014  
(54) ANTIBODIES AGAINST  
STAPHYLOCOCCUS AUREUS AND  
USES THEREOF  
(73) Rijksuniversiteit Groningen  
Academisch Ziekenhuis Groningen  
(72) VAN DIJL, Jan Maarten  
BUIST, Girbe  
BONARIUS, Hendrik Petrus Jozef  
KOOI, Neeltje Margaretha  
ELSINGA, Goffe Sytse  
GROEN, Herman  
(74) ir. H.A. Witmans c.s.  
(31) 13197211  
(32) 13.12.2013  
(33) European Patent Office (EPO)  
(47) 06.07.2022
- 
- (51) C07K 16/22  
(11) EP3265487  
(21) EP16709666.8  
(22) 03.03.2016

(54) MODIFIED-IGG ANTIBODIES THAT BIND TRANSFORMING GROWTH FACTOR-BETA1 WITH HIGH AFFINITY, AVIDITY AND SPECIFICITY	(54) METHOD FOR PRODUCING CONJUGATED DIENE POLYMER	(33) Japan
(73) Genzyme Corporation	(73) SEKISUI CHEMICAL CO., LTD.	(47) 31.08.2022
(72) QIU, Huawei	(72) NISHIYAMA, Haruka	(51) C08G 18/48
BIRD, Julie	YAGIHASHI, Noritoshi	C08G 18/62
(74) ir. W.J.J.M. Kempes	HAMACHI, Kokoro	C08G 18/75
(31) 201562128149 P	NATSUYAMA, Kazuto	C08G 18/76
(32) 04.03.2015	(74) ir. F.A. Geurts c.s.	C08G 18/32
(33) United States of America	(31) 2019126455	(11) EP3233954
(47) 29.06.2022	2019117754	(21) EP15820635.9
(51) C07K 16/28	2019117749	(22) 18.12.2015
A61P 35/00	2019117745	(54) POLYURETHANES
A61K 39/395	2019117720	(73) Strait Access Technologies Holdings (PTY) LTD
A61P 25/00	2019050489	(72) COETZEE, Johan
A61P 31/12	2019050484	CONRADIE, David Gideon
(11) EP3702373	2019050480	DE VILLIERS, Jandr�
(21) EP20154386.5	2019050474	COURY, Arthur
(22) 13.09.2013	2019050472	BEZUIDENHOUT, Deon
(54) ANTI-PD1 ANTIBODIES AND THEIR USE AS THERAPEUTICS AND DIAGNOSTICS	2019050465	(74) dr. ir. G.J.C. Verdijck c.s.
(73) BeiGene Switzerland GmbH	2019050436	(31) 201409373
(72) LIU, Qi	2019012568	(32) 19.12.2014
ZHANG, Tong	2019012564	(33) South Africa
SONG, Jing	(32) 05.07.2019	(47) 22.06.2022
LI, Kang	25.06.2019	(51) C08G 65/40
XU, Lanlan	25.06.2019	C08J 5/24
PENG, Hao	25.06.2019	C08G 75/23
(74) dr. R.C. van Duijvenbode c.s.	25.06.2019	(11) EP3412702
(47) 24.08.2022	18.03.2019	(21) EP17747527.4
(51) C07K 16/44	18.03.2019	(22) 02.02.2017
(11) EP2847229	18.03.2019	(54) AROMATIC POLYSULFONE, PREPREG, AND METHOD FOR PRODUCING PREPREG
(21) EP13722014.1	28.01.2019	(73) Sumitomo Chemical Company, Limited
(22) 07.05.2013	28.01.2019	(72) MATSUBARA, Masanobu
(54) SINGLE DOMAIN BINDING MOLECULE	(33) Japan	OHTOMO, Shinji
(73) Elasmogen Limited	Japan	(74) ir. H.A. Witmans c.s.
(72) CALABRO, Valerie	Japan	(31) 2016180850
BIKKER, Jack A	Japan	2016021124
OLLAND, Andrea	Japan	(32) 15.09.2016
STEVEN, John	Japan	05.02.2016
TCHISTIAKOVA, Lioudmila	Japan	(33) Japan
BARELLE, Caroline	Japan	Japan
M�LLER, Mischa Roland	Japan	(47) 14.09.2022
KOVALENKO, Oleg	Japan	(51) C08H 99/00
(74) dr. R.C. van Duijvenbode c.s.	Japan	C08L 99/00
(31) 201261643407 P	Japan	C08L 3/02
(32) 07.05.2012	Japan	C08L 5/00
(33) United States of America	Japan	(11) EP3359587
(47) 07.09.2022	(47) 24.08.2022	(21) EP16775503.2
(51) C08F 36/04	(51) C08G 2/10	(22) 16.09.2016
C08F 36/06	C08G 2/24	(54) METHOD FOR PREPARING AN ALGAE POWDER WITH REDUCED PROTEIN CONTENT AND BIOPLASTIC COMPOSITION FORMULATED FROM SUCH A POWDER
C01B 3/56	C08G 2/06	(73) Eranova
C08F 212/06	C08L 59/04	(72) LAVOISIER, Philippe
C08F 236/04	(11) EP3536724	PIERRE, Ronan
C08L 9/00	(21) EP17868226.6	BENOIT, Maud
C12P 7/06	(22) 06.11.2017	(74) ir. W.J.J.M. Kempes
C08F 236/06	(54) METHOD FOR PRODUCING OXYMETHYLENE COPOLYMER	(31) 1558743
B01D 53/047	(73) Mitsubishi Gas Chemical Company, Inc.	(32) 17.09.2015
B01J 20/34	(72) TAKAHASHI Toru	(33) France
C01B 39/22	OSHIMA Kensuke	(47) 29.06.2022
C07B 61/00	NAKAYA Daigo	(51) C08J 5/04
C07C 1/02	SUNAGA Daisuke	B29C 70/50
(11) EP3770186	(74) dr. R.C. van Duijvenbode c.s.	B29C 43/18
(21) EP20749153.1	(31) 2016216918	B29C 43/52
(22) 28.01.2020	(32) 07.11.2016	

B29C 43/48	C09D 123/14	C10G 69/06
(11) EP3395868	(11) EP3681958	C10G 47/00
(21) EP16878424.7	(21) EP18853360.8	C10G 3/00
(22) 09.12.2016	(22) 10.09.2018	C10G 65/04
(54) Structure material	(54) PAINT COMPOSITIONS INCLUDING	C10G 65/12
(73) Toray Industries, Inc.	COPOLYMER FORMULATIONS FOR	C10G 69/14
(72) SHINOHARA, Kotaro	IMPROVING ADHESION TO METALLIC	(11) EP3802741
TAKEBE, Yoshiki	SUBSTRATES	(21) EP19727386.5
HONMA, Masato	(73) Honeywell International Inc.	(22) 28.05.2019
(74) dr. R.C. van Duijvenbode c.s.	(72) JABLON, Michael	(54) RENEWABLE DIESEL FUEL
(31) 2015255382	SMITH, Gerald	PRODUCTION IN RETROFITTED
2015254941	(74) ir. W.J.J.M. Kempes	FOSSIL PETROLEUM REFINERY
(32) 25.12.2015	(31) 201762556604 P	TO PRODUCE BIOFUEL AND BIO-
25.12.2015	(32) 11.09.2017	FEEDSTOCK FOR STEAM CRACKERS
(33) Japan	(33) United States of America	(73) TotalEnergies OneTech Belgium
Japan	(47) 10.08.2022	(72) VERMEIREN, Walter
(47) 10.08.2022	(51) C09D 133/08	(74) ir. W.J.J.M. Kempes
(51) C08J 5/24	C09D 133/10	(31) 18175268
B29B 15/10	C09D 167/06	(32) 30.05.2018
C08J 5/04	C09J 133/08	(33) European Patent Office (EPO)
C09D 133/06	C09J 133/10	(47) 29.06.2022
B29B 11/16	C09J 167/06	(51) C10G 50/00
D04H 1/4218	(11) EP3140360	C10G 57/02
D04H 1/64	(21) EP15721226.7	C10G 3/00
(11) EP3475346	(22) 07.05.2015	C10L 1/04
(21) EP17731184.2	(54) DIRECTLY ATTACHING, HALOGEN-	(11) EP3551729
(22) 23.06.2017	FREE, FAST-DRYING, HEAT-SEALING	(21) EP17809096.5
(54) COMPOSITION COMPRISING A	BINDER FOR SEALING POLYESTER	(22) 09.11.2017
FIBROUS MATERIAL, A MULTISTAGE	FILMS TO POLYSTYRENE,	(54) INTEGRATED OXYGENATE
POLYMER AND A (METH) ACRYLIC	POLYESTER OR PVC	CONVERSION AND OLEFIN
POLYMER, ITS METHOD OF	(73) Evonik Operations GmbH	OLIGOMERIZATION
PREPARATION AND ITS USE	(72) KELLER, Bruno	(73) ExxonMobil Technology and Engineering
(73) Arkema France	HENNIG, André	Company
(72) ESCALE, Pierre	HARTMANN, Jürgen	(72) MCCARTHY, Stephen, J.
INOUBLI, Raber	ARNOLD, Thomas	O'NEILL, Brandon, J.
GERARD, Pierre	WICKE, Michael	(74) J.M.H. Duyver lic.
HAJJI, Philippe	SCHMITT, Günter	(31) 201662431047 P
(74) dr. R.C. van Duijvenbode c.s.	WALDHAUS, Michael	(32) 07.12.2016
(31) 1655832	(74) ir. W.J.J.M. Kempes	(33) United States of America
(32) 23.06.2016	(31) 102014208608	(47) 03.08.2022
(33) France	(32) 08.05.2014	(51) C10G 67/02
(47) 29.06.2022	(33) Germany	C10G 45/44
(51) C08J 11/16	(47) 06.07.2022	C10G 45/32
C08J 11/24	(51) C09K 11/02	C10G 45/02
B01J 31/02	C09K 11/66	C10G 67/04
C08L 67/02	C09K 11/06	C10G 67/14
(11) EP3733751	H01L 51/50	(11) EP3294841
(21) EP20179077.1	H01L 51/00	(21) EP16724802.0
(22) 23.12.2016	(11) EP3520152	(22) 11.05.2016
(54) IMPROVED CATALYST COMPLEX AND	(21) EP17791151.8	(54) PROCESS FOR PRODUCTION OF
METHOD OF DEGRADATION OF A	(22) 26.09.2017	HIGH PERFORMANCE PROCESS OIL
POLYMER MATERIAL	(54) SHELLING OF HALIDE PEROVSKITE	BASED ON DISTILLED AROMATIC
(73) Ioniqa Technologies B.V.	NANOPARTICLES FOR THE	EXTRACTS
(72) CASTILLO, Sonja Irene-Marie Reginalde	PREVENTION OF ANION EXCHANGE	(73) Ergon, Inc.
VAN BERKUM, Susanne	(73) Nanoco Technologies Ltd	(72) PATRICK, John, Kristopher
PHILIPPI, Vincent Gertrudis Antonius	(72) PICKETT, Nigel L.	BUSBEA, Craig, Alan
WOLTERS, Joost Robert	GRETTY, Nathalie C.	CASSERLY, Edward, William
(74) dr. ir. G.J.C. Verdijck c.s.	MASALA, Ombretta	DAVIS, Howard, Don
(31) 2017033	LI, Jie	(74) ir. H.A. Witmans c.s.
PCT/NL2015/050905	(74) ir. H.A. Witmans c.s.	(31) 201562160089 P
(32) 23.06.2016	(31) 201662414110 P	(32) 12.05.2015
23.12.2015	201662401485 P	(33) United States of America
(33) Netherlands	(32) 28.10.2016	(47) 13.07.2022
World Intellectual Property Office (WIPO)	29.09.2016	(51) C10M 171/02
(47) 15.06.2022	(33) United States of America	C10M 101/02
(51) C09D 5/02	United States of America	C10N 20/02
B05D 7/14	(47) 06.07.2022	C10N 30/02
C09D 123/08	(51) C10G 9/36	C10N 30/08

C10N 40/02	WONG, Kevin Li	(54) METHOD FOR PRODUCING A COATED
C10N 40/04	CAI, Ruorong	FLAT STEEL PRODUCT AND COATED
C10N 40/25	TAN, Xuqiu	FLAT STEEL PRODUCT
C10N 30/04	DODGE, Corey	(73) ThyssenKrupp Steel Europe AG
C10N 30/00	MILAN, Aileen Aboy	thyssenkrupp AG
(11) EP3645688	(74) ir. W.J.J.M. Kempes	(72) FECHTE-HEINEN, Rainer
(21) EP18734961.8	(31) 201862682059 P	LINKE, Bernd
(22) 05.06.2018	(32) 07.06.2018	IRNICH, Manuela
(54) LUBRICATING OIL COMPOSITION	(33) United States of America	THIESSEN, Richard Georg
(73) Chevron Oronite Company LLC	(47) 07.09.2022	RUDOLPH, Jan-Hendrik
(72) PALAZZOTTO, John Dominic	(51) C12Q 1/6806	(74) ir. H.A. Witmans c.s.
BROWN, Martin Joseph	(11) EP3529380	(47) 24.08.2022
(74) dr. R.C. van Duijvenbode c.s.	(21) EP17797209.8	(51) C22C 35/00
(31) 201715634623	(22) 19.10.2017	C22C 28/00
(32) 27.06.2017	(54) METHODS FOR CHEMICAL LIGATION	C22C 33/00
(33) United States of America	OF NUCLEIC ACIDS	C22C 22/00
(47) 22.06.2022	(73) Illumina, Inc.	C22C 27/06
(51) C12N 9/42	Illumina Singapore PTE. Ltd.	C22C 38/02
C12P 19/02	(72) TEO, Yin Nah	(11) EP3802899
C12P 19/14	CHEN, Xi-Jun	(21) EP19737591.8
C12P 7/10	KHURANA, Tarun	(22) 07.06.2019
(11) EP3433358	(74) ir. J.D. de Zeeuw	(54) SILICON BASED ALLOY, METHOD FOR
(21) EP17715879.7	(31) 201662410172 P	THE PRODUCTION THEREOF AND
(22) 24.03.2017	(32) 19.10.2016	USE OF SUCH ALLOY
(54) CELLOBIOHYDROLASE VARIANTS	(33) United States of America	(73) ELKEM ASA
AND POLYNUCLEOTIDES ENCODING	(47) 29.06.2022	(72) DIEUDONNE, Amélie
SAME	(51) C12Q 1/689	KLEVAN, Ole Svein
(73) Novozymes A/S	(11) EP3655540	(74) dr. R.C. van Duijvenbode c.s.
(72) WOGULIS, Mark	(21) EP18743760.3	(31) 20180804
DEMARS, Leslie	(22) 18.07.2018	(32) 11.06.2018
OSBORN, David	(54) METHODS AND DEVICES FOR	(33) Norway
(74) ir. W.J.J.M. Kempes	NUCLEIC ACID-BASED REAL-TIME	(47) 20.07.2022
(31) 201662312806 P	DETERMINATION OF DISEASE	(51) C25D 3/06
(32) 24.03.2016	STATES	C25D 5/48
(33) United States of America	(73) Noscendo GmbH	C25D 9/10
(47) 06.07.2022	(72) STEVENS, Philip	(11) EP3378973
(51) C12N 15/00	(74) dr. A. Krebs	(21) EP17162054.5
A61K 35/26	(31) 17182104	(22) 21.03.2017
A61K 35/76	(32) 19.07.2017	(54) METHOD FOR MANUFACTURING
A61P 35/00	(33) European Patent Office (EPO)	CHROMIUM-CHROMIUM OXIDE
C12N 5/10	(47) 31.08.2022	COATED BLACKPLATE
C12N 15/09	(51) C12R 1/07	(73) Tata Steel IJmuiden B.V.
C07K 14/47	C12P 7/56	(72) WITTEBROOD, Adrianus Jacobus
C07K 14/54	C12N 1/20	WIJENBERG, Jacques Hubert Olga
C07K 19/00	(11) EP3177741	Joseph
(11) EP3597742	(21) EP15738320.9	(74) dr. A. Krebs
(21) EP19196196.0	(22) 13.07.2015	(47) 29.06.2022
(22) 06.10.2015	(54) GENETIC MODIFICATION OF	(51) D01D 5/00
(54) CAR EXPRESSION VECTOR AND CAR-	(S)-LACTIC ACID PRODUCING	B29C 64/20
EXPRESSING T CELLS	THERMOPHILIC BACTERIA	(11) EP3788187
(73) Yamaguchi University	(73) Purac Biochem bv	(21) EP19727513.4
(72) TAMADA, Koji	(72) VAN KRANENBURG, Richard	(22) 03.05.2019
SAKODA, Yukimi	VERHOEF, Anna	(54) A COMBINED ELECTROSPINNING
ADACHI, Keishi	MACHIELSEN, Marinus Petrus	AND MICROEXTRUSION APPARATUS
(74) ir. W.J.J.M. Kempes	(74) ir. A.R. Aalbers	(73) Universita' di Pisa
(31) 2014208200	(31) 14178150	(72) VOZZI, Giovanni
(32) 09.10.2014	(32) 23.07.2014	DE ACUTIS, Aurora
(33) Japan	(33) European Patent Office (EPO)	DE MARIA, Carmelo
(47) 13.07.2022	(47) 29.06.2022	PACETTA, Guglielmo
(51) C12N 15/10	(51) C21D 1/76	(74) ir. W.J.J.M. Kempes
(11) EP3802820	C21D 9/56	(31) 201800005065
(21) EP19742258.7	C23C 2/06	(32) 04.05.2018
(22) 03.06.2019	C23C 2/28	(33) Italy
(54) METHODS FOR IDENTIFYING	C23C 2/40	(47) 29.06.2022
PROMOTERS FOR PROTEIN	(11) EP3856936	(51) D21F 5/02
PRODUCTION IN YEAST	(21) EP18789005.8	D21F 1/32
(73) BASF SE	(22) 26.09.2018	D21F 7/00
(72) ORCHARD, Samantha		D21G 9/00

(11) EP3572583	(73) Rotech Group Limited	(33) Germany
(21) EP19724725.7	(72) STEWART, Kenneth Roderick	(47) 06.07.2022
(22) 28.03.2019	STEWART, Donald	(51) E04B 2/74
(54) METHOD FOR SPRAYING CHEMICAL SOLUTION	(74) ir. H.A. Witmans c.s.	E04B 2/76
(73) Maintech Co., Ltd.	(31) 201513606	E04B 2/78
(72) SEKIYA, Hiroshi	(32) 31.07.2015	E04C 3/00
NAGATSUKA, Tomohiko	(33) United Kingdom	E04G 21/24
YUSA, Kazuyuki	(47) 28.09.2022	(11) EP3856992
SUGA, Ayano	(51) E03F 1/00	(21) EP19790791.8
(74) dr. ir. G.J.C. Verdijck c.s.	(11) EP3526414	(22) 23.09.2019
(31) PCT/JP2018/013980	(21) EP17788062.2	(54) CONSTRUCTION UNIT FOR A FRAME
(32) 30.03.2018	(22) 11.10.2017	(73) Juunoo NV
(33) World Intellectual Property Office (WIPO)	(54) DOME STORMWATER CHAMBER	(72) VAN DE VOORDE, Chris
(47) 10.08.2022	(73) Advanced Drainage Systems, Inc.	WYFFELS, Lucas Rik Ferdinand
(51) E01D 15/00	(72) VITARELLI, Ronald R.	(74) ir. W.J.J.M. Kempes
F15B 15/14	KUEHN, Michael	(31) 201805653
E01D 15/06	KURDZIEL, John Martin	(32) 24.09.2018
F15B 1/02	MAILHOT, David	(33) Belgium
(11) EP3438469	(74) dr. A. Krebs	(47) 24.08.2022
(21) EP17184853.4	(31) 201615292074	(51) E04C 3/18
(22) 04.08.2017	(32) 12.10.2016	E04C 3/26
(54) BRIDGE WITH PIVOT ARM DEVICE	(33) United States of America	E04G 23/02
(73) Robert Bosch GmbH	(47) 29.06.2022	(11) EP3884126
(72) Bijmans, Pieter	(51) E04B 1/348	(21) EP20701224.6
(74) ir. W.J.J.M. Kempes	(11) EP2855788	(22) 27.01.2020
(47) 22.06.2022	(21) EP13728103.6	(54) METHOD FOR STRENGTHENING CONCRETE OR TIMBER STRUCTURES USING CFRP STRIPS AND CONCRETE OR TIMBER STRUCTURES STRENGTHENED BY THIS METHOD
(51) E02F 3/04	(22) 21.05.2013	(73) S & P Clever Reinforcement Company AG
B65G 47/40	(54) A MODULAR HOUSE, A MODULAR HOUSING SYSTEM, A METHOD FOR BUILDING A MODULAR HOUSE AND USE OF A MODULAR HOUSE	Eidg. Materialprüfungs- und Forschungsanstalt EMPA
B65G 17/12	(73) worldFLEXhome ApS	(72) HÜPPI, Martin
(11) EP3108067	(72) BACH-SØRENSEN, Anders	HOSSEINI, Ardalan
(21) EP15752328.3	(31) 201270276	MOSHIRI, Niloufar
(22) 20.02.2015	(32) 24.05.2012	MOSTOFINEJAD, Davood
(54) A METHOD OF MAKING A PLURALITY OF BUCKETS FOR A BUCKET ELEVATOR	(33) Denmark	CZADERSKI, Christoph
(73) Tapco, Inc.	(47) 22.06.2022	MOTAVALLI, Masoud
(72) TAYLOR, Paul D.	(51) E04B 1/61	(74) J.M.H. Duyver lic.
(74) J. Hoekstra	F16B 5/00	(31) 19155050
(31) 201414186769	F25D 23/06	(32) 01.02.2019
(32) 21.02.2014	(11) EP3882411	(33) European Patent Office (EPO)
(33) United States of America	(21) EP21156289.7	(47) 29.06.2022
(47) 22.06.2022	(22) 10.02.2021	(51) E04D 13/03
(51) E02F 5/10	(54) CONNECTING ELEMENTS FOR ARRANGING TWO WALL ELEMENTS RELATIVE TO EACH OTHER	(11) EP3845719
E02F 5/12	(73) Steinbach & Vollmann GmbH	(21) EP20216784.7
E02F 5/14	(72) GOTTSCHLING, Reinhard	(22) 23.12.2020
E02F 5/08	(74) ir. F.A. Geurts c.s.	(54) A ROOF WINDOW SYSTEM WITH A VENTILATION UNIT MOUNTED ADJACENT TO THE ROOF WINDOW, A ROOF STRUCTURE INCLUDING A ROOF WINDOW SYSTEM, A METHOD OF PROVIDING A ROOF WINDOW SYSTEM AND A METHOD OF RETROFITTING A ROOF WINDOW SYSTEM
(11) EP3623533	(31) 102020107453	(73) VKR Holding A/S
(21) EP19198557.1	(32) 18.03.2020	(72) Nielsen, Kristian Ørnsvig
(22) 18.08.2017	(33) Germany	(74) ir. J.D. de Zeeuw
(54) CABLE HANDLING APPARATUS AND METHOD	(47) 03.08.2022	(31) PA201970837
(73) LAYJET Micro-Rohr Verlegegesellschaft m.b.H.	(51) E04B 1/68	(32) 30.12.2019
(72) DUNST, Wolfgang	E06B 1/62	(33) Denmark
(74) J.M.H. Duyver lic.	(11) EP3404156	(47) 06.07.2022
(31) 507972016	(21) EP18172030.1	(51) E04F 13/06
(32) 08.09.2016	(22) 14.05.2018	E04F 19/06
(33) Austria	(54) METHOD FOR PRODUCING SEALING STRIP	
(47) 20.07.2022	(73) Tremco CPG Germany GmbH	
(51) E02F 7/06	(72) Geyer, Walter	
E02F 3/88	Nauck, Helmar	
E02F 3/92	Komma, Markus	
E02F 3/94	Eidenhardt, Thomas	
(11) EP3329056	(74) ir. H.Th. van den Heuvel c.s.	
(21) EP16747592.0	(31) 102017110856	
(22) 29.07.2016	(32) 18.05.2017	
(54) SEPARATOR APPARATUS		

- (11) EP3854963  
(21) EP20212693.4  
(22) 09.12.2020  
(54) PROFILE SYSTEM WITH CORNER CONNECTING ELEMENT  
(73) Schlüter-Systems KG  
(72) SCHLÜTER, Marc  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 202020100337 U  
(32) 23.01.2020  
(33) Germany  
(47) 22.06.2022  
(51) E04H 4/14  
E04H 4/12  
(11) EP3604711  
(21) EP19184572.6  
(22) 05.07.2019  
(54) SKIMMER  
(73) MTS Produkte für den Schwimmbadbau und die Unterwassertechnik GmbH  
(72) Schydlo, Marc  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 202018104394 U  
(32) 31.07.2018  
(33) Germany  
(47) 17.08.2022  
(51) E06B 5/16  
E06B 3/62  
(11) EP3152379  
(21) EP15728104.9  
(22) 03.06.2015  
(54) FIRE RESISTANT GLAZING SCREEN  
(73) Pilkington Group Limited  
(72) BOND, Stephen Ian  
KÖRBEL, Frank  
SEIBT, Christian  
(74) ir. W.J.J.M. Kempes  
(31) 201409871  
(32) 03.06.2014  
(33) United Kingdom  
(47) 10.08.2022  
(51) E06B 9/171  
E06B 9/44  
(11) EP3294975  
(21) EP16723234.7  
(22) 06.05.2016  
(54) LOW-DEFLECTION ROLLER SHADE TUBE FOR LARGE OPENINGS  
(73) Lutron Technology Company LLC  
(72) BLAIR, Edward J.  
OGDEN, Peter W.  
(74) ir. C.G.C. Veldman-Dijkers  
(31) 201562159132 P  
(32) 08.05.2015  
(33) United States of America  
(47) 31.08.2022  
(51) E21B 33/12  
C08K 7/02  
C09J 11/08  
C09J 121/00  
C09K 3/10  
(11) EP3068841  
(21) EP14810007.6  
(22) 17.11.2014  
(54) SWELLABLE SEALS AND THEIR USE  
(73) Harres B.V.  
(72) SEYGER, Roger Martin  
(74) ir. H.A. Witmans c.s.
- (31) 2011810  
(32) 15.11.2013  
(33) Netherlands  
(47) 22.06.2022  
(51) F01M 5/00  
(11) EP3141712  
(21) EP16001936.0  
(22) 05.09.2016  
(54) METHOD FOR OPERATING AN OIL CIRCUIT, IN PARTICULAR FOR A VEHICLE  
(73) MAN Truck & Bus SE  
(72) Ritter, Jürgen  
(74) ir. A. Blokland c.s.  
(31) 102015011852  
(32) 10.09.2015  
(33) Germany  
(47) 31.08.2022  
(51) F03D 80/80  
H02G 5/02  
H02K 3/50  
H02K 7/18  
(11) EP3800349  
(21) EP19200994.2  
(22) 02.10.2019  
(54) BUSBAR ARRANGEMENT FOR WIND TURBINE GENERATOR  
(73) Siemens Gamesa Renewable Energy A/S  
(72) Munk-Hansen, Thorkil  
(74) dr. R.C. van Duijvenbode c.s.  
(47) 03.08.2022  
(51) F16B 25/00  
F16B 25/10  
(11) EP3617533  
(21) EP18192295.6  
(22) 03.09.2018  
(54) SCREW AND ITS USE  
(73) SFS Group International AG  
(72) KELLER, René  
NIKOLLBIBAJ, Pal  
(74) ir. A. Blokland c.s.  
(47) 17.08.2022  
(51) F16H 15/30  
(11) EP3864320  
(21) EP19801098.5  
(22) 09.10.2019  
(54) CONTINUOUSLY VARIABLE TRANSMISSION  
(73) Eltat s.r.l.  
(72) CHIAVES, Carlo  
CHIAVES, Paolo  
(74) J.M.H. Duyver lic.  
(31) 201800009270  
(32) 09.10.2018  
(33) Italy  
(47) 24.08.2022  
(51) F16L 37/373  
F16K 1/22  
F16K 1/226  
F16K 1/44  
F16K 27/02  
(11) EP2396576  
(21) EP10704969.4  
(22) 12.02.2010  
(54) SPLIT VALVE  
(73) ChargePoint Technology Limited
- (72) BARTON, Richard, Athol  
(74) ir. W.J.J.M. Kempes  
(31) 0902324  
(32) 12.02.2009  
(33) United Kingdom  
(47) 29.06.2022  
(51) F24S 25/30  
F24S 25/632  
F24S 25/634  
F24S 25/70  
(11) EP3865784  
(21) EP20157504.0  
(22) 14.02.2020  
(54) SYSTEM AND METHOD FOR MOUNTING A SOLAR PANEL ONTO A SUBSTANTIALLY FLAT MOUNTING SURFACE  
(73) Esdec B.V.  
(72) GOORMAN, Johannes Sander  
SMIT, Maarten Alexander  
DE GRAAF, Jan-Floris  
(74) ir. H.Th. van den Heuvel c.s.  
(47) 22.06.2022  
(51) F28F 9/02  
F28F 27/00  
G01K 1/143  
G01K 13/02  
G01K 1/16  
(11) EP3862714  
(21) EP20156239.4  
(22) 07.02.2020  
(54) TEMPERATURE SENSOR FIXATION ON MICROCHANNEL HEAT EXCHANGER  
(73) Carrier Corporation  
(72) SCHUSTER, MARKUS  
PANZER, GABRIELA  
VINZ, SASCHA  
VALLÉE, CHRISTOPHE  
NEEB, CHRISTOPH  
(74) J.M.H. Duyver lic.  
(47) 17.08.2022  
(51) G01C 21/16  
(11) EP3926300  
(21) EP20180848.2  
(22) 18.06.2020  
(54) DETERMINATION OF OWN POSITION AND NAVIGATION APPARATUS  
(73) SICK AG  
(72) Steder, Bastian, Dr.  
Schopp, Patrick, Dr.  
Fischer, Fabian  
(74) ir. W.J.J.M. Kempes  
(47) 03.08.2022  
(51) G01F 1/76  
G01F 1/84  
G01F 15/02  
G01F 15/08  
G01N 9/00  
(11) EP3588018  
(21) EP19185290.4  
(22) 16.05.2016  
(54) MULTI-CHANNEL FLOW TUBE  
(73) Micro Motion Inc.  
(72) SCHLOSSER, Martin Andrew  
WEINSTEIN, Joel  
SCHOLLENBERGER, Frederick Scott  
BELL, Mark James

- (74) dr. R.C. van Duijvenbode c.s.  
(47) 24.08.2022
- 
- (51) G01F 22/00  
G01F 25/00  
(11) EP3824255  
(21) EP19749045.1  
(22) 12.07.2019  
(54) FLOWMETER HAVING A FITTING ASSEMBLY WITH DRAINAGE RESERVOIR, TAP, AND PLUG  
(73) Illinois Tool Works, Inc.  
(72) VAN VOORST, Jan Willem  
VAN RIJSWIJK, Jan Willem  
(74) dr. W.A.H.M. Van Borm  
(31) 201816036653  
(32) 16.07.2018  
(33) United States of America  
(47) 06.07.2022
- 
- (51) G01G 19/30  
G01G 23/06  
(11) EP3660472  
(21) EP18209060.5  
(22) 29.11.2018  
(54) TIME-EFFICIENT WEIGHING IN A PRODUCTION PROCESS  
(73) Mettler-Toledo GmbH  
(72) MÜLLER, ROLF  
(74) ir. F.A. Geurts c.s.  
(47) 06.07.2022
- 
- (51) G01N 1/22  
(11) EP3596442  
(21) EP18706522.2  
(22) 23.02.2018  
(54) LANCE FOR A GAS ANALYSIS SYSTEM  
(73) Tata Steel Nederland Technology B.V.  
(72) CRUIJFF, Marcel  
(74) dr. A. Krebs  
(31) 17161615  
(32) 17.03.2017  
(33) European Patent Office (EPO)  
(47) 31.08.2022
- 
- (51) G01N 33/53  
(11) EP3475699  
(21) EP17737492.3  
(22) 21.06.2017  
(54) IMPROVED PHARMACOKINETIC ASSAYS FOR IMMUNOGLOBULIN SINGLE VARIABLE DOMAINS  
(73) Ablynx N.V.  
(72) SNOECK, Veerle  
BONTINCK, Lieselot  
POELMANS, Sofie  
MORTIER, Kjell  
BUYSE, Marie-Ange  
DEKEYZER, Lies  
BAUMEISTER, Judith  
(74) ir. W.J.J.M. Kempes  
(31) 201662353784 P  
(32) 23.06.2016  
(33) United States of America  
(47) 06.07.2022
- 
- (51) G01N 35/00  
(11) EP3120154  
(21) EP15715544.1  
(22) 18.03.2015
- (54) INSTRUMENT INTERFACE WITH PRESENTATION UNIT DISPLAY  
(73) Beckman Coulter Inc.  
(72) ZECKEL, Jessica A.  
MOSCHELL, Rachel E.  
ZIGON, Robert J.  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 201461955956 P  
(32) 20.03.2014  
(33) United States of America  
(47) 03.08.2022
- 
- (51) G01P 21/00  
G01C 25/00  
G01D 18/00  
(11) EP3578995  
(21) EP19174300.4  
(22) 14.05.2019  
(54) METHOD FOR ONLINE CALIBRATION OF A SENSOR OF A VEHICLE  
(73) Robert Bosch GmbH  
(72) Stegmaier, Juergen  
Schnee, Jan  
(74) ir. H.A. Witmans c.s.  
(31) 102018209167  
(32) 08.06.2018  
(33) Germany  
(47) 06.07.2022
- 
- (51) G01S 5/00  
G08G 1/00  
(11) EP3625581  
(21) EP18712762.6  
(22) 06.03.2018  
(54) PASSENGER TRANSIT VEHICLE GEOLOCATION  
(73) Google LLC  
(72) KAN, Reuben  
MEYER, Cayden  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 201715629368  
(32) 21.06.2017  
(33) United States of America  
(47) 10.08.2022
- 
- (51) G01S 5/02  
(11) EP3743735  
(21) EP19703175.0  
(22) 14.01.2019  
(54) METHOD FOR GEOGRAPHICALLY LOCATING A SIGNAL-EMITTING DEVICE  
(73) Kerlink  
(72) DELIBIE, Yannick  
(74) dr. ir. G.J.C. Verdijk c.s.  
(31) 1850485  
(32) 22.01.2018  
(33) France  
(47) 15.06.2022
- 
- (51) G01S 13/42  
G01S 13/72  
G01S 13/86  
G01S 13/88  
G01S 15/42  
G01S 15/66  
G01S 15/88  
(11) EP3776008  
(21) EP18778632.2  
(22) 30.08.2018
- (54) METHOD AND ELECTRONIC DEVICE FOR ULTRASONIC SENSING IN SMART DEVICES  
(73) Google LLC  
(72) LI, Wei  
FELCH, Andrew, Christopher  
NONGPIUR, Rajeev  
SHIN, Dongeek  
GUO, Jian  
WONG, Jennifer, Yeelam  
TOBIN, James, Paul  
GAO, Lu  
SILVERSTEIN, Brian  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 201862680982 P  
(32) 05.06.2018  
(33) United States of America  
(47) 27.07.2022
- 
- (51) G01V 3/20  
E21B 47/00  
(11) EP3510425  
(21) EP16808825.0  
(22) 12.09.2016  
(54) WELL INFILTRATION AREA CALCULATION USING LOGGING WHILE DRILLING DATA  
(73) Geoquest Systems B.V.  
(72) BOKAREV, Anton Yurievich  
ISMAGILOV, Airat  
(74) ir. A. Blokland c.s.  
(47) 22.06.2022
- 
- (51) G01V 99/00  
(11) EP3252508  
(21) EP17305427.1  
(22) 10.04.2017  
(54) METHOD FOR EXPLOITING HYDROCARBONS FROM AN UNDERGROUND FORMATION, BY MEANS OF OPTIMAL SCALING  
(73) IFP Energies nouvelles  
Centre National de la Recherche Scientifique  
Université de Nice  
(72) DUVAL, Laurent  
ANTONINI, Marc  
PAYAN, Frederic  
SCHNEIDER, Sébastien  
PEYROT, Jean-Luc  
(74) ir. W.J.J.M. Kempes  
(31) 1654906  
(32) 31.05.2016  
(33) France  
(47) 15.06.2022
- 
- (51) G01V 99/00  
G01V 1/30  
(11) EP3671290  
(21) EP19217871.3  
(22) 19.12.2019  
(54) DYNAMIC RESERVOIR CHARACTERIZATION  
(73) Services Pétroliers Schlumberger  
Geoquest Systems B.V.  
(72) SAMSON, Barys  
BOGUSH, Aleksandr  
(74) ir. A. Blokland c.s.  
(31) 201862784423 P  
(32) 22.12.2018  
(33) United States of America

(47) 22.06.2022	Agam, Oren	(33) United States of America
(51) G02B 6/44	(74) ir. W.J.J.M. Kempes	United States of America
(11) EP3404461	(31) 201916541979	(47) 24.08.2022
(21) EP17171377.9	(32) 15.08.2019	(51) G06F 9/451
(22) 16.05.2017	(33) United States of America	(11) EP3612929
(54) CABLE MANAGEMENT DEVICE	(47) 24.08.2022	(21) EP17734911.5
(73) Reichle & De-Massari AG	(51) G06F 8/76	(22) 16.06.2017
(72) DEMBEK, Andreas	G06F 9/445	(54) RULES BASED USER INTERFACE
STEFANOV, Spas	H04W 12/08	GENERATION
ZHELYAZKOV, Evgeni	H04W 4/50	(73) Microsoft Technology Licensing, LLC
ATANASOV, Stoyan	H04W 52/02	(72) DAVIS, Darren R.
(74) ir. W.J.J.M. Kempes	(11) EP3262506	DERKS, Patrick J.
(47) 29.06.2022	(21) EP16708557.0	BALASUBRAMANIAN, Ramrajprabu
(51) G03G 15/08	(22) 19.02.2016	KARACHALE, Jan Harold
G03G 21/10	(54) DYNAMIC ADJUSTMENT OF USER	DYKSTRA, Paul
(11) EP3580614	EXPERIENCE BASED ON SYSTEM	STAUBER, William Scott
(21) EP18862731.9	CAPABILITIES	MULYE, Nishad
(22) 19.03.2018	(73) Microsoft Technology Licensing, LLC	SHIPLEY, Kenton A.
(54) DEVELOPER CIRCULATOR TO GUIDE	(72) DAVIS, Darren	RADEBAUGH, Nathan T.
DEVELOPER	STAUBER, William S.	CROSS, Brian David
(73) Hewlett-Packard Development Company, L.P.	PENDLAY, Ryan	(74) dr. R.C. van Duijvenbode c.s.
(72) PARK, Jong Hyun	SHIPLEY, Kenton	(47) 24.08.2022
LEE, Dong Geun	THRELKELD, Elizabeth	(51) G06F 9/451
SON, Jang Hyun	MORAN, Keri	G06F 9/48
PARK, Jong Hwa	(74) J.M.H. Duyver lic.	(11) EP3718006
LEE, Jeong Hyun	(31) 201514631189	(21) EP18815078.3
HAN, Min Su	(32) 25.02.2015	(22) 10.11.2018
(74) ir. W.J.J.M. Kempes	(33) United States of America	(54) RESUMPTION OF ACTIVITIES USING
(31) 20170125416	(47) 31.08.2022	ACTIVITY DATA COLLECTED BY AN
(32) 27.09.2017	(51) G06F 9/06	OPERATING SYSTEM
(33) Korea (Republic)	G06F 9/54	(73) Microsoft Technology Licensing, LLC
(47) 10.08.2022	G06F 9/44	(72) ALPHIN, Thomas Henry, III
(51) G05F 1/56	(11) EP2766806	UPHOFF, Brian Eric
H03K 17/16	(21) EP12839717.1	ATIF, Muhammad
G05F 1/46	(22) 11.10.2012	CHOI, Jiwon
G05F 3/26	(54) EVENT SERVICE FOR LOCAL CLIENT	(74) dr. R.C. van Duijvenbode c.s.
(11) EP3146400	APPLICATIONS THROUGH LOCAL	(31) 201815883807
(21) EP15723213.3	SERVER	201762592378 P
(22) 13.05.2015	(73) Microsoft Technology Licensing, LLC	(32) 30.01.2018
(54) METHOD AND APPARATUS TO	(72) BECKMAN, Brian C.	29.11.2017
MINIMIZE SWITCHING NOISE	Y ARCAS, Blaise Aguera	(33) United States of America
DISTURBANCE	KIMCHI, Gur	United States of America
(73) Telefonaktiebolaget LM Ericsson (publ)	BEN-ITAY, Meir	(47) 24.08.2022
(72) PESSA, Marko	BAR-ZEEV, Avi	(51) G06F 9/451
LINTONEN, Mikko	ISAACS, Scott	G06Q 30/02
(74) dr. R.C. van Duijvenbode c.s.	YARIV, Eran	H04M 1/72454
(31) 201414280963	(74) dr. R.C. van Duijvenbode c.s.	H04W 4/18
(32) 19.05.2014	(31) 201261617474 P	(11) EP3314411
(33) United States of America	201161546049 P	(21) EP16739624.1
(47) 27.07.2022	(32) 29.03.2012	(22) 29.06.2016
(51) G06F 8/41	11.10.2011	(54) SYSTEMS AND METHODS FOR
G06F 9/50	(33) United States of America	CONTEXTUAL DISCOVERY OF
G06F 16/901	United States of America	DEVICE FUNCTIONS
G06N 3/04	(47) 24.08.2022	(73) Google LLC
G06N 3/063	(51) G06F 9/38	(72) GHOSH, Angana
(11) EP3779673	(11) EP3449357	CHU, Maurice K.
(21) EP20179925.1	(21) EP17721016.8	(74) dr. A. Krebs
(22) 15.06.2020	(22) 25.04.2017	(31) 201514754391
(54) METHODS AND APPARATUS TO	(54) SCHEDULER FOR OUT-OF-ORDER	(32) 29.06.2015
CONFIGURE HETEROGENOUS	BLOCK ISA PROCESSORS	(33) United States of America
COMPONENTS IN AN ACCELERATOR	(73) Microsoft Technology Licensing, LLC	(47) 07.09.2022
(73) INTEL Corporation	(72) GRAY, Jan S.	(51) G06F 9/46
(72) Behar, Michael	SMITH, Aaron L.	G06F 9/38
Maor, Moshe	(74) dr. R.C. van Duijvenbode c.s.	G06F 9/30
Gabbai, Ronen	(31) 201615224473	(11) EP2862068
Rosner, Roni	201662328976 P	(21) EP13803665.2
Walter, Zigi	(32) 29.07.2016	(22) 10.06.2013
	28.04.2016	



(54) REORDERED SPECULATIVE INSTRUCTION SEQUENCES WITH A DISAMBIGUATION-FREE OUT OF ORDER LOAD STORE QUEUE	(21) EP14175074.5	(54) VERIFICATION BY REPLACEABLE PRINTER COMPONENTS
(73) Intel Corporation	(22) 30.06.2014	(73) Hewlett-Packard Development Company, L.P.
(72) ABDALLAH, Mohammad	(54) Method for enhancing the reliability of a telecommunications network, system, telecommunications network and program	(72) MAGDICH, James Michael
(74) ir. W.J.J.M. Kempes	(73) Deutsche Telekom AG	JERAN, Paul L
(31) 201261660539 P	(72) Agapi, Andrei	HIRST, Bartley Mark
(32) 15.06.2012	(74) dr. R.C. van Duijvenbode c.s.	(74) ir. W.J.J.M. Kempes
(33) United States of America	(47) 31.08.2022	(47) 31.08.2022
(47) 06.07.2022	(51) G06F 13/16	(51) G06N 3/063
(51) G06F 9/50	G06F 13/40	G06N 3/04
(11) EP3438826	G11C 5/04	(11) EP3955173
(21) EP18186417.4	G11C 5/06	(21) EP21194421.0
(22) 30.07.2018	G11C 7/10	(22) 05.12.2019
(54) VIRTUAL NETWORK FUNCTIONS ALLOCATION IN A DATACENTER	G11C 11/4093	(54) TRAINING NEURAL NETWORK ACCELERATORS USING MIXED PRECISION DATA FORMATS
(73) Hewlett Packard Enterprise Development LP	(11) EP3436963	(73) Microsoft Technology Licensing, LLC
(72) ALVAREZ FERNANDEZ, Jose Maria	(21) EP17776252.3	(72) ROUHANI, Bitu, Darvish
SEVERIANO HERBADA, David	(22) 06.03.2017	CHUNG, Eric, S
GARCIA LOPEZ, Javier	(54) MEMORY SUBSYSTEM WITH NARROW BANDWIDTH REPEATER CHANNEL	BURGER, Douglas, C
GALVEZ, Mario Garrido	(73) Intel Corporation	LO, Daniel
MENENDEZ LOPEZ, Jorge	(72) VOGT, Pete	NA, Taesik
ALDAMA PEREZ, Ignacio	(74) ir. W.J.J.M. Kempes	(74) dr. R.C. van Duijvenbode c.s.
SEVILLA GIRON, Ruben	(31) 201615089453	(31) 201816223603
(74) ir. C.G.C. Veldman-Dijkers	(32) 01.04.2016	(32) 18.12.2018
(31) 201715665022	(33) United States of America	(33) United States of America
(32) 31.07.2017	(47) 24.08.2022	(47) 24.08.2022
(33) United States of America	(51) G06F 13/24	(51) G06T 3/40
(47) 31.08.2022	G06F 9/48	A61B 6/00
(51) G06F 9/50	(11) EP3306470	A61B 6/02
G06F 13/42	(21) EP16854908.7	A61B 6/03
(11) EP3242210	(22) 09.10.2016	(11) EP3094239
(21) EP17177561.2	(54) METHOD AND APPARATUS FOR EXECUTING NON-MASKABLE INTERRUPT	(21) EP15737601.3
(22) 15.03.2013	(73) Huawei Technologies Co., Ltd.	(22) 14.01.2015
(54) WORK STEALING IN HETEROGENEOUS COMPUTING SYSTEMS	(72) MA, Jun	(54) METHOD AND SYSTEM FOR GENERATING PRE-SCALED IMAGES FOR A SERIES OF MAMMOGRAPHY IMAGES
(73) INTEL Corporation	DING, Tianhong	(73) AGFA HEALTHCARE Inc.
(72) SREERAM, Jaswanth	TONG, Zhaozhe	(72) KOPYLOV, Viktor
BARIK, Rajkishore	(74) ir. W.J.J.M. Kempes	(31) 201414155851
SHPEISMAN, Tatiana	(31) 201510677146	(32) 15.01.2014
HUDSON, Richard L.	(32) 16.10.2015	(33) United States of America
HERHUT, Stephan A.	(33) China	(47) 29.06.2022
(74) ir. W.J.J.M. Kempes	(47) 27.07.2022	(51) G06T 7/579
(47) 03.08.2022	(51) G06F 13/38	G06T 7/73
(51) G06F 9/54	(11) EP3765966	G01C 21/00
(11) EP3477475	(21) EP19720710.3	(11) EP3627447
(21) EP17819261.3	(22) 24.01.2019	(21) EP19198914.4
(22) 28.06.2017	(54) EXTENDED GPIO (EGPIO)	(22) 23.09.2019
(54) CONTENT PROCESSING METHOD AND MOBILE TERMINAL	(73) QUALCOMM INCORPORATED	(54) SYSTEM AND METHOD OF MULTIROTOR DYNAMICS BASED ONLINE SCALE ESTIMATION FOR MONOCULAR VISION
(73) Vivo Mobile Communication Co., Ltd.	(72) JAIN, Varun	(73) Tata Consultancy Services Limited
(72) SHEN, Zhiyuan	DUCKERING, Brent	(72) RUSTAGI, VISHVENDRA
(74) J.M.H. Duyver lic.	(74) dr. R.C. van Duijvenbode c.s.	LUDHIYANI, MOHIT
(31) 201610503062	(31) 201816101586	SINHA, ARNAB
(32) 28.06.2016	201862642702 P	Dasgupta, Ranjan
(33) China	(32) 13.08.2018	(74) dr. ir. G.J.C. Verdijck c.s.
(47) 24.08.2022	14.03.2018	(31) 201821035845
(51) G06F 9/54	(33) United States of America	(32) 24.09.2018
G06F 11/16	United States of America	(33) India
H04L 65/40	(47) 24.08.2022	(47) 29.06.2022
H04L 67/10	(51) G06F 21/44	(51) G07B 15/02
G06F 11/20	G06F 21/73	G08G 1/14
G06F 11/14	B41J 2/175	(11) EP2867866
G06F 16/00	(11) EP3652666	
(11) EP2963548	(21) EP18904084.3	
	(22) 30.01.2018	

(21) EP13735637.4	(47) 29.06.2022	(72) SANAN, Deepak
(22) 11.01.2013	(51) G09B 23/30	DOENOGU, Luetfiye
(54) METHODS AND SYSTEMS FOR AUTOMATED CELLULAR PARKING WITH OCCUPANCY CONTROL	C09D 191/00 A61L 27/60	SCHAEFER, Joerg WIESE, Artur
(73) Mobilisis d.o.o.	(11) EP3844737	(74) ir. W.J.J.M. Kempes
(72) GANOT, Zvi	(21) EP19758994.8	(31) 102016116518
(74) ir. W.J.J.M. Kempes	(22) 30.08.2019	(32) 05.09.2016
(31) 201261586758 P	(54) NON-BIOLOGICAL SKIN MODEL	(33) Germany
(32) 14.01.2012	(73) Universite Le Havre Normandie	(47) 22.06.2022
(33) United States of America	(72) EUDIER, Florine	(51) H01J 37/153
(47) 10.08.2022	GRISEL, Michel	(11) EP3780064
(51) G07D 1/00	PICARD, Céline	(21) EP20186011.1
G07D 9/00	SAVARY, Géraldine	(22) 15.07.2020
G07D 9/02	(74) ir. F.A. Geurts c.s.	(54) PARTICLE OPTICAL CORRECTOR FREE OF AXIAL ERRORS OF SIXTH ORDER AND ELECTRON MICROSCOPE WITH CORRECTOR
(11) EP3239938	(31) 18306149	(73) Ceos Corrected Electron Optical Systems GmbH
(21) EP17167446.8	(32) 30.08.2018	(72) Uhlemann, Dr., Stephan
(22) 21.04.2017	(33) European Patent Office (EPO)	(74) ir. A. Blokland c.s.
(54) A COIN DEPOSIT AND DISPENSING MACHINE AND A METHOD FOR CONTROLLING OUTPUT OF COINS FROM A COIN DEPOSIT AND DISPENSING MACHINE	(47) 27.07.2022	(31) 102019122013
(73) SCAN COIN AB	(51) G09C 1/00	(32) 15.08.2019
(72) Bengtsson, Kristian Melin, Håkan	H04L 9/08	(33) Germany
(74) dr. R.C. van Duijvenbode c.s.	(11) EP3407336	(47) 22.06.2022
(31) 1650550	(21) EP18155514.5	(51) H01L 23/16
(32) 25.04.2016	(22) 07.02.2018	H01L 23/31
(33) Sweden	(54) UNCHANGEABLE PHYSICAL UNCLONABLE FUNCTION IN NON- VOLATILE MEMORY	(11) EP3573095
(47) 06.07.2022	(73) MACRONIX INTERNATIONAL CO., LTD.	(21) EP19173209.8
(51) G07D 7/1205	(72) HUNG, Chun-Hsiung	(22) 08.05.2019
(11) EP3446294	CHANG, Chin-Hung	(54) A SENSOR PACKAGE AND A METHOD OF MANUFACTURING A SENSOR PACKAGE
(21) EP17718885.1	(74) J.M.H. Duyver lic.	(73) Melexis Technologies NV
(22) 18.04.2017	(31) 201815864445	(72) VAN DOMMELEN, Ignatius Josephus
(54) DEVICE AND METHOD FOR MONITORING COLOR SECURITY FEATURES	201762528460 P	PLEUMEEKERS, Johannes Mathias Nicolaas
(73) QUISS Qualitäts-Inspektionssysteme und Service GmbH	201715601582	(74) J. Hoekstra
(72) GRUBER, Bernhard	(32) 08.01.2018	(31) 2020901
(74) ir. H.A. Witmans c.s.	04.07.2017	(32) 09.05.2018
(31) 102016004662	22.05.2017	(33) Netherlands
(32) 18.04.2016	(33) United States of America	(47) 17.08.2022
(33) Germany	United States of America	(51) H01L 27/144
(47) 22.06.2022	United States of America	G01S 7/00
(51) G07G 1/00	(47) 17.08.2022	H01L 27/146
G07G 1/01	(51) G11B 27/031	(11) EP3667727
G06Q 20/20	H04N 5/262	(21) EP19215415.1
(11) EP3284069	G06T 13/80	(22) 11.12.2019
(21) EP16714931.9	G06T 7/20	(54) PHOTO-DETECTING APPARATUS WITH MULTI-RESET MECHANISM
(22) 07.04.2016	(11) EP3061092	(73) Artilux Inc.
(54) A POS TERMINAL	(21) EP14799681.3	(72) LYU, Yuan-Fu
(73) Everseen Limited	(22) 24.10.2014	LIANG, Che-Fu
(72) VASILE, Gui	(54) MOTION TRACKING SYSTEM	LU, Yen-Cheng
CIUBOTARU, Bogdan	(73) Visible Ink Television Ltd.	CHEN, Chien-Lung
O'HERLIHY, Alan	(72) FISHER, Martin	NA, Yun-Chung
CIOARGA, Razvan	(74) dr. G. Visser-Luirink	(74) drs. A.A. Jilderda
PESCARU, Dan	(31) 201321981	(31) 201916705240
PARVU, Ovidiu	201318838	201962875941 P
DAVID, Ciprian, Petru	(32) 12.12.2013	201962807250 P
SACRIERU, Constantin, Petru	24.10.2013	201862778291 P
GLAVAN, Cosmin, Cernazanu	(33) United Kingdom	(32) 06.12.2019
DOYLE, Gavin	United Kingdom	18.07.2019
(74) ir. A. Blokland c.s.	(47) 22.06.2022	19.02.2019
(31) 201506494	(51) H01H 13/10	12.12.2018
(32) 16.04.2015	H01H 13/04	(33) United States of America
(33) United Kingdom	H01H 3/54	United States of America
	(11) EP3507818	United States of America
	(21) EP17768706.8	
	(22) 05.09.2017	
	(54) HOLDING ADAPTER FOR FIXING CONTROL AND SIGNALLING DEVICES AND ALSO ARRANGEMENT	
	(73) Eaton Intelligent Power Limited	

United States of America	(72) Dulf, Andrei	(31) 201361810599 P
(47) 24.08.2022	(74) ir. W.J.J.M. Kempes	(32) 10.04.2013
(51) H01L 27/146	(47) 10.08.2022	(33) United States of America
G02B 5/20	(51) H01L 51/52	(47) 13.07.2022
H01L 31/0232	H01L 27/32	(51) H01Q 1/24
H01L 51/42	(11) EP3067953	H04M 1/02
H04N 5/369	(21) EP15196452.5	G06F 1/16
H04N 9/07	(22) 26.11.2015	(11) EP3659209
(11) EP3731273	(54) DISPLAY DEVICE AND	(21) EP18847888.7
(21) EP18892649.7	MANUFACTURING METHOD THEREOF	(22) 22.08.2018
(22) 10.12.2018	(73) Samsung Display Co., Ltd.	(54) A FOLDABLE MOBILE DEVICE
(54) PHOTOELECTRIC CONVERSION	(72) GO, Jae Kyung	(73) Huawei Technologies Co., Ltd.
ELEMENT AND SOLID-STATE IMAGING	NA, Eun Jae	(72) LIU, Huixiang
DEVICE	JO, Min Jun	OUYANG, Yuehui
(73) Sony Semiconductor Solutions	CHOI, Hyun-Jun	GONG, Yiwen
Corporation	(74) ir. H.A. Witmans c.s.	XIONG, Peng
(72) KAWAI, Nobuhiro	(31) 20150033310	(74) ir. W.J.J.M. Kempes
SHIBUTA, Hirokazu	(32) 10.03.2015	(31) 201715794874
(74) ir. W.J.J.M. Kempes	(33) Korea (Republic)	201762548780 P
(31) 2017244346	(47) 27.07.2022	(32) 26.10.2017
(32) 20.12.2017	(51) H01M 4/36	22.08.2017
(33) Japan	H01M 4/62	(33) United States of America
(47) 13.07.2022	H01M 10/056	United States of America
(51) H01L 27/32	H01M 4/133	(47) 06.07.2022
(11) EP3745461	H01M 4/137	(51) H01S 3/00
(21) EP20172830.0	(11) EP3531481	G01N 21/88
(22) 05.05.2020	(21) EP19152678.9	G02B 27/10
(54) DISPLAY DEVICE	(22) 18.01.2019	G01N 21/95
(73) Samsung Display Co., Ltd.	(54) COMPOSITE ELECTRODE MATERIALS	(11) EP2929558
(72) Cho, Seung Hwan	(73) Prologium Technology Co., Ltd.	(21) EP13860524.1
Kim, Sun Ho	Prologium Holding Inc.	(22) 03.12.2013
Yang, Tae Hoon	(72) YANG, Szu-Nan	(54) SEMICONDUCTOR INSPECTION AND
Kim, Tae Woo	(74) dr. R.C. van Duijvenbode c.s.	METROLOGY SYSTEM USING LASER
Choi, Jong Hyun	(31) 10705391	PULSE MULTIPLIER
Lee, Sang Hoon	(32) 14.02.2018	(73) Kla-Tencor Corporation
Kang, Ki Nyeng	(33) Taiwan, Province of China	(72) DENG, Yujun
(74) drs. A.A. Jilderda	(47) 24.08.2022	LIOU, Justin Dianhuan
(31) 20190061685	(51) H01M 4/38	CHUANG, Yung-Ho Alex
(32) 27.05.2019	H01M 4/04	ARMSTRONG, J., Joseph
(33) Korea (Republic)	H01M 4/36	(74) ir. W.J.J.M. Kempes
(47) 21.09.2022	H01M 4/587	(31) 201213711593
(51) H01L 41/04	H01B 1/04	201261733858 P
H02N 2/06	(11) EP2812939	(32) 11.12.2012
H02N 2/14	(21) EP13746060.6	05.12.2012
(11) EP3886189	(22) 06.02.2013	(33) United States of America
(21) EP20165725.1	(54) STABILIZED ANODE FOR LITHIUM	United States of America
(22) 25.03.2020	BATTERY AND METHOD FOR ITS	(47) 14.09.2022
(54) CONTROL OF A DRIVE WITH	MANUFACTURE	(51) H02H 3/00
PERIODIC IRREGULARITY	(73) Ovonic Battery Company, Inc.	H02H 3/06
(73) Airbus Defence and Space GmbH	Young, Kwo	H02S 40/34
(72) Brugger, Christina	(72) YOUNG, Kwo	H02H 1/00
Sell, Alexander	(74) ir. W.J.J.M. Kempes	H02S 40/36
Pfeiffer, Katja	(31) 201213369746	H02S 50/10
Mandel, Oliver	(32) 09.02.2012	(11) EP3683909
(74) ir. W.J.J.M. Kempes	(33) United States of America	(21) EP20151729.9
(47) 06.07.2022	(47) 03.08.2022	(22) 14.01.2020
(51) H01L 41/053	(51) H01M 4/60	(54) SAFETY SWITCH FOR PHOTOVOLTAIC
B06B 1/06	H01M 10/36	SYSTEMS
H01L 41/187	(11) EP2984698	(73) Solaredge Technologies Ltd.
H01L 41/313	(21) EP14783178.8	(72) Yoscovich, Ilan
H04R 17/00	(22) 10.04.2014	Loewenstern, Yakir
(11) EP3817075	(54) AQUEOUS ENERGY STORAGE	Glovinsky, Tzachi
(21) EP19465584.1	DEVICES WITH ORGANIC	Shkoury, Roy
(22) 29.10.2019	ELECTRODE MATERIALS	Braginsky, David
(54) PIEZOCERAMIC ULTRASONIC	(73) University of Houston System	Assia, Izak
TRANSDUCER	(72) YAO, Yan	(74) ir. H.A. Witmans c.s.
(73) Continental Automotive Technologies	LIANG, Yanliang	(31) 201916248475
GmbH	(74) ir. H.A. Witmans c.s.	(32) 15.01.2019

(33) United States of America (47) 31.08.2022	(54) COVERING DEVICE FOR AN ELECTRONICS ENCLOSURE OF AN ELECTRIC MOTOR	(54) TECHNIQUES FOR TRANSMITTING/ RECEIVING WIRELESS LOCAL AREA NETWORK INFORMATION
(51) H02J 7/35 H02J 9/00 H02J 50/10	(73) ebm-papst Mulfingen GmbH & Co. KG (72) STURM, Michael SAUER, Thomas	(73) QUALCOMM Incorporated (72) TIAN, Bin BHARADWAJ, Arjun VERMANI, Sameer
(11) EP3565085 (21) EP19171831.1 (22) 30.04.2019	(74) ir. W.J.J.M. Kempes (31) 102015121166 (32) 04.12.2015	(74) dr. R.C. van Duijvenbode c.s. (31) 201615202980 201562189730 P
(54) AUTONOMOUS WIRELESS SENSOR DEVICE WITH REDUCED POWER CONSUMPTION	(33) Germany (47) 03.08.2022	(32) 06.07.2016 07.07.2015
(73) ABB Schweiz AG (72) Sosale, Guruprasad Ahrend, Ulf Gebhardt, Jörg Kaul, Holger Beniston, John Mendoza, Francisco Decker, Andreas Rodenbusch-Mohr, Thomas	(51) H03F 19/00 (11) EP3903415 (21) EP20701088.5 (22) 08.01.2020	(33) United States of America United States of America (47) 24.08.2022
(74) ir. W.J.J.M. Kempes (31) 102018110784 (32) 04.05.2018 (33) Germany (47) 13.07.2022	(54) JOSEPHSON TRAVELING WAVE PARAMETRIC AMPLIFIER (73) Teknologian tutkimuskeskus VTT Oy (72) HASSEL, Juha VESTERLIN, Visa	(51) H04B 7/04 (11) EP3836413 (21) EP20200157.4 (22) 10.05.2013 (54) METHOD FOR DETERMINING PRECODING MATRIX INDICATOR, USER EQUIPMENT, AND BASE STATION
(51) H02K 1/16 H02K 3/28 H02K 3/46 H02K 15/085 H02K 3/52	(74) J.M.H. Duyver lic. (31) 20195045 (32) 24.01.2019 (33) Finland (47) 24.08.2022	(73) HUAWEI TECHNOLOGIES CO., LTD. (72) WANG, Jianguo ZHOU, Yongxing WU, Yong XIA, Liang
(11) EP3323189 (21) EP16825198.1 (22) 14.07.2016	(51) H03H 7/01 H03H 7/54 H03H 7/46 H03H 11/12 H03H 11/34	(74) ir. W.J.J.M. Kempes (47) 27.07.2022
(54) BRUSHLESS MOTOR HAVING TERMINAL FIXING BLOCKS	(11) EP3675356 (21) EP19219479.3 (22) 23.12.2019	(51) H04B 10/116 (11) EP3698489 (21) EP18815318.3 (22) 30.11.2018 (54) TUNEABLE FILTER GRATING FOR OWC
(73) Bergstrom, Inc. (72) LI, Gengxiang YANG, Kuilin WANG, Lei	(54) METHOD FOR CALIBRATING A VARIABLE FREQUENCY FILTER	(73) Purelifi Limited (72) WALKER, Duncan John William (74) ir. H.A. Witmans c.s. (31) 201719996 (32) 30.11.2017 (33) United Kingdom (47) 06.07.2022
(74) dr. ir. G.J.C. Verdijck c.s. (31) 201510420854 (32) 16.07.2015 (33) China (47) 06.07.2022	(73) THALES (72) BOURSIER, Olivier PETIT, Maité (74) ir. H.A. Witmans c.s. (31) 1874330 (32) 28.12.2018 (33) France (47) 06.07.2022	(47) 06.07.2022
(51) H02K 1/17 H02K 1/27	(51) H04B 1/04 (11) EP3716491 (21) EP20157738.4 (22) 17.02.2020	(51) H04L 1/16 H04L 1/18 H04L 5/00 H04W 72/12 H04J 13/22
(11) EP3577741 (21) EP18712180.1 (22) 16.03.2018	(54) SIGNAL COMPONENT CANCELLATION FOR FEEDBACK RECEIVER	(11) EP3634067 (21) EP17911410.3 (22) 31.05.2017
(54) MAGNETIC ELEMENT HOLDING DEVICE	(73) Intel Corporation (72) KUTTNER, Franz BELITZER, Alexander MRUGALLA, Florian DEEYING, Navatouch	(54) USER TERMINAL AND WIRELESS COMMUNICATION METHOD (73) NTT DOCOMO, INC. (72) TAKEDA, Kazuki MATSUMURA, Yuki NAGATA, Satoshi
(73) ebm-papst Mulfingen GmbH & Co. KG (72) SCHMIDT, Tobias HOSS, Sebastian MASCHKE, Matthias SCHAFFERT, Friedrich	(74) ir. W.J.J.M. Kempes (31) 201916367601 (32) 28.03.2019 (33) United States of America (47) 10.08.2022	(74) dr. ir. F.M. van Bouwelen (47) 07.09.2022
(74) ir. W.J.J.M. Kempes (31) 102017109494 (32) 03.05.2017 (33) Germany (47) 03.08.2022	(51) H04B 7/02 H04L 5/00 H04L 27/26 H04B 7/06 H04W 84/12	(51) H04L 1/18 (11) EP3681075 (21) EP20160585.4 (22) 17.12.2007 (54) LINK LAYER CONTROL PROTOCOL IMPLEMENTATION
(51) H02K 7/14 H02K 11/33 H02K 9/02	(11) EP3320624 (21) EP16748375.9 (22) 07.07.2016	(73) Optis Wireless Technology, LLC (72) MEYER, Michael PEISA, Janne
(11) EP3176920 (21) EP16200878.3 (22) 28.11.2016		

SORIES, Sabine	(54) UPLINK CONTROL INFORMATION	(72) TAKANO, Hiroaki
WIEMANN, Henning	MULTIPLEXING	(74) ir. W.J.J.M. Kempes
(74) ir. H.A. Witmans c.s.	(73) Nokia Technologies Oy	(31) 2014117541
(31) 0602760	(72) LUNTTILA, Timo	(32) 06.06.2014
(32) 18.12.2006	KORHONEN, Juha	(33) Japan
(33) Sweden	SCHOBER, Karol	(47) 31.08.2022
(47) 17.08.2022	(74) ir. W.J.J.M. Kempes	(51) H04L 5/00
(51) H04L 1/18	(31) 201662406137 P	H04W 72/04
H04L 5/00	(32) 10.10.2016	H04B 7/0417
H04J 11/00	(33) United States of America	H04B 7/0426
(11) EP3607687	(47) 24.08.2022	H04B 7/06
(21) EP18719380.0	(51) H04L 5/00	(11) EP3745633
(22) 02.04.2018	H04L 27/26	(21) EP20170761.9
(54) TECHNIQUES TO PROVIDE	H04B 1/7075	(22) 13.05.2016
INTERFERENCE DIVERSITY IN LOW	H04J 13/00	(54) METHOD AND DEVICE FOR
LATENCY AND HIGH RELIABILITY	H04L 1/00	DEMODULATION OF BEAMFORMED
WIRELESS COMMUNICATION	(11) EP3633864	CONTROL CHANNEL
SYSTEMS	(21) EP19211371.0	(73) Huawei Technologies Co. Ltd.
(73) QUALCOMM Incorporated	(22) 28.10.2008	(72) HE, Chuanfeng
(72) HOSSEINI, SeyedKianoush	(54) RESOURCE ALLOCATION FOR	(74) dr. W.A.H.M. Van Borm
CHEN, Wanshi	UPLINK ACK/NACK	(47) 10.08.2022
GAAL, Peter	(73) Optis Wireless Technology, LLC	(51) H04L 9/40
(74) dr. R.C. van Duijvenbode c.s.	(72) NISHIO, Akihiko	H04L 51/08
(31) 201815941844	NAKAO, Seigo	(11) EP3482546
201762481079 P	(74) ir. H.A. Witmans c.s.	(21) EP17739674.4
(32) 30.03.2018	(31) 2007280921	(22) 07.07.2017
03.04.2017	(32) 29.10.2007	(54) SYSTEM FOR SECURE ELECTRONIC
(33) United States of America	(33) Japan	MESSAGE TRANSMISSION
United States of America	(47) 17.08.2022	(73) Mailock Limited
(47) 24.08.2022	(51) H04L 5/00	(72) HOLLAND, Paul
(51) H04L 5/00	H04L 27/26	(74) ir. H.J.G. Lips c.s.
(11) EP3639452	H04W 72/04	(31) 201621476
(21) EP18737774.2	H04B 7/06	201611924
(22) 14.06.2018	(11) EP3652879	(32) 16.12.2016
(54) METHOD OF FREQUENCY	(21) EP18743271.1	08.07.2016
RESOURCE ALLOCATION	(22) 28.06.2018	(33) United Kingdom
(73) NTT DOCOMO, INC.	(54) DEMODULATION REFERENCE SIGNAL	United Kingdom
(72) KAKISHIMA, Yuichi	(DMRS) SEQUENCE GENERATION	(47) 07.09.2022
NA, Chongning	AND RESOURCE MAPPING FOR	(51) H04L 9/40
NAGATA, Satoshi	PHYSICAL BROADCAST CHANNEL	H04W 12/122
(74) dr. ir. F.M. van Bouwelen	(PBCH) TRANSMISSIONS	H04W 12/128
(31) 201762519708 P	(73) QUALCOMM Incorporated	H04W 36/00
(32) 14.06.2017	(72) LUO, Tao	(11) EP3692439
(33) United States of America	CHAKRABORTY, Kaushik	(21) EP18872268.0
(47) 31.08.2022	JOHN WILSON, Makesh Pravin	(22) 30.10.2018
(51) H04L 5/00	CHEN, Shengbo	(54) METHODS, APPARATUS, SYSTEM
H04J 11/00	WANG, Xiao Feng	AND COMPUTER READABLE
H04W 52/02	AKKARAKARAN, Sony	STORAGE MEDIUM FOR OBTAINING
H04W 52/50	NAM, Wooseok	USER EQUIPMENT SECURITY
H04W 52/54	NAGARAJA, Sumeeth	CAPABILITIES
H04L 27/26	(74) dr. R.C. van Duijvenbode c.s.	(73) Huawei Technologies Co., Ltd.
(11) EP3641208	(31) 201816020248	(72) MUHANNA, Ahmad Shawky
(21) EP19182565.2	201762530824 P	LI, He
(22) 18.01.2013	(32) 27.06.2018	AL-SHALASH, Mazin Ali
(54) COMMUNICATION METHOD AND	10.07.2017	(74) dr. W.A.H.M. Van Borm
APPARATUS	(33) United States of America	(31) 201762579012 P
(73) Huawei Technologies Co., Ltd.	United States of America	(32) 30.10.2017
(72) GUAN, Lei	(47) 24.08.2022	(33) United States of America
XUE, Lixia	(51) H04L 5/00	(47) 17.08.2022
(74) ir. W.J.J.M. Kempes	H04W 36/30	(51) H04L 12/40
(47) 27.07.2022	H04B 7/0452	H04L 12/413
(51) H04L 5/00	H04B 7/06	(11) EP3895384
H04L 1/18	H04W 48/20	(21) EP19829008.2
H04W 72/04	(11) EP3154293	(22) 11.12.2019
H04L 1/00	(21) EP15803258.1	(54) OVERLAP DETECTION UNIT FOR A
(11) EP3523917	(22) 24.02.2015	SUBSCRIBER STATION OF A SERIAL
(21) EP17860081.3	(54) TERMINAL APPARATUS	BUS SYSTEM, AND METHOD FOR
(22) 04.09.2017	(73) Sony Group Corporation	

COMMUNICATING IN A SERIAL BUS SYSTEM	DOOLEY, Craig P.	(21) EP16883493.5
(73) Robert Bosch GmbH	BURKS, Andrew	(22) 12.12.2016
(72) MUTTER, Arthur	(74) ir. A.R. Aalbers	(54) METHOD AND APPARATUS FOR PERFORMING FREQUENCY SYNCHRONIZATION FOR CARRIERS
WALKER, Steffen	(31) 201461935967 P	(73) Nokia Technologies Oy
(74) ir. H.A. Witmans c.s.	(32) 05.02.2014	(72) WOLFF, Gunter
(31) 102018221679	(33) United States of America	KOKKONEN, Mikko
(32) 13.12.2018	(47) 20.07.2022	WILHELM, Hartmut
(33) Germany	(51) H04N 1/00	ENESCU, Mihai
(47) 07.09.2022	(11) EP3616393	(74) ir. W.J.J.M. Kempes
(51) H04L 12/46	(21) EP18832894.2	(31) 201662276644 P
H04L 47/2483	(22) 04.07.2018	(32) 08.01.2016
H04L 49/00	(54) FACSIMILE MACHINE AND SELF DIAGNOSIS METHOD PERFORMED BY THE SAME	(33) United States of America
(11) EP3720057	(73) Hewlett-Packard Development Company, L.P.	(47) 31.08.2022
(21) EP18896928.1	(72) HAN, Chang Min	(51) H04W 4/00
(22) 19.12.2018	LEE, Jeong Baek	H04W 84/18
(54) MESSAGE PROCESSING METHOD AND DEVICE	(74) ir. W.J.J.M. Kempes	H04W 88/04
(73) Huawei Technologies Co., Ltd.	(31) 20170089666	H04W 76/14
(72) WANG, Liang	(32) 14.07.2017	H04L 67/14
FAN, Xiaoping	(33) Korea (Republic)	H04L 67/563
ZHANG, Xu	(47) 31.08.2022	H04L 69/24
(74) dr. W.A.H.M. Van Borm	(51) H04N 5/232	H04W 48/02
(31) 201711428818	(11) EP3739870	(11) EP3535954
(32) 26.12.2017	(21) EP20183970.1	(21) EP17797300.5
(33) China	(22) 04.11.2016	(22) 03.11.2017
(47) 24.08.2022	(54) DEPTH CAMERA BASED IMAGE STABILIZATION	(54) MESSAGE EXCHANGE FOR WEARABLE DEVICES
(51) H04L 67/1097	(73) Google LLC	(73) ICom GmbH & Co. KG
H04W 48/18	(72) CARPENTER, Thor	(72) LUFT, Achim
H04L 41/0859	BURGESS, Gregory M	HANS, Martin
H04L 41/5051	(74) ir. H.Th. van den Heuvel c.s.	SCHMIDT, Andreas
H04L 41/50	(31) 201514935092	(74) J.M.H. Duyver lic.
H04W 48/14	(32) 06.11.2015	(31) 16197097
H04W 60/04	(33) United States of America	(32) 03.11.2016
H04W 88/06	(47) 06.07.2022	(33) European Patent Office (EPO)
(11) EP3632087	(51) H04N 19/117	(47) 03.08.2022
(21) EP18749414.1	H04N 19/11	(51) H04W 4/12
(22) 25.05.2018	H04N 19/176	H04L 51/02
(54) SELECTION OF A NETWORK SLICE IN RELATION TO AN APPLICATION	H04N 19/157	H04L 51/046
(73) ORANGE	H04N 19/82	H04L 51/18
(72) TSANG KWONG U, Steve	(11) EP3879826	H04L 51/56
CHATRAS, Bruno	(21) EP21172288.9	H04L 67/564
(74) ir. W.J.J.M. Kempes	(22) 05.01.2018	G06Q 30/00
(31) 1754875	(54) METHOD AND DEVICE FOR PERFORMING IMAGE DECODING ON BASIS OF INTRA PREDICTION IN IMAGE CODING SYSTEM	H04L 9/40
(32) 01.06.2017	(73) LG Electronics Inc.	(11) EP3721643
(33) France	(72) YOO, Sunmi	(21) EP18826846.0
(47) 29.06.2022	LEE, Jaeho	(22) 16.11.2018
(51) H04L 67/55	CHOI, Jangwon	(54) CHAT-ENABLED MESSAGING
H04L 67/04	SEO, Jungdong	(73) Microsoft Technology Licensing, LLC
H04L 67/12	HEO, Jin	(72) TIWARI, Vasant Kumar
H04L 67/02	(74) ir. H.A. Witmans c.s.	ESTRADA, Julio
H04L 67/303	(31) 201762512737 P	YU, Lei
(11) EP3799395	(32) 31.05.2017	SAMUTHIRAPANDI, Nagalinga Raju
(21) EP20200608.6	(33) United States of America	BARUA, Chowdhury Sucharit
(22) 05.02.2015	(47) 03.08.2022	(74) dr. R.C. van Duijvenbode c.s.
(54) UNIFORM COMMUNICATION PROTOCOLS FOR COMMUNICATION BETWEEN CONTROLLERS AND ACCESSORIES	(51) H04W 4/00	(31) 201715831293
(73) Apple Inc.	H04L 27/00	(32) 04.12.2017
(72) BRADLEY, Bob	H04L 27/26	(33) United States of America
GOLEMBESKI JR., Gregg	H04W 16/14	(47) 24.08.2022
NADATHUR, Anush	H04L 5/00	(51) H04W 16/02
MCLAUGHLIN, Kevin P.	H04W 72/04	H04W 24/02
MATHIAS, Arun G.	H04J 11/00	(11) EP3616429
RAMA, Srinivas	(11) EP3400724	(21) EP18727079.8
ABUAN, Joe S.		(22) 24.04.2018
		(54) CHANNEL SELECTION CONSTRAINTS IN A NETWORK HAVING MULTIPLE ACCESS POINTS

(73) QUALCOMM Incorporated	28.07.2017	17.01.2014
(72) PATHAK, Ajay, Kumar KATAR, Srinivas HUANG, Xiaolong RAI, Kapil	(33) United States of America United States of America (47) 24.08.2022	(33) United States of America United States of America United States of America United States of America
(74) dr. R.C. van Duijvenbode c.s.	(51) H04W 48/12	(47) 17.08.2022
(31) 201815960297 201762489917 P	H04W 72/04	(51) H04W 52/34
(32) 23.04.2018 25.04.2017	(11) EP3541118 (21) EP19154297.6	H04W 52/14
(33) United States of America United States of America	(22) 03.11.2016 (54) ENABLING MULTIPLE NUMEROLOGIES IN A NETWORK	(11) EP3685611 (21) EP18839557.8
(47) 24.08.2022	(73) Telefonaktiebolaget LM Ericsson (publ)	(22) 15.09.2018
(51) H04W 24/10	(72) Baldemair, Robert	(54) METHODS AND APPARATUSES FOR HANDLING POWER TRANSITIONS IN NEW RADIO
H04W 16/18	Parkvall, Stefan	(73) Qualcomm Incorporated
H04L 1/08	Larsson, Daniel	(72) WANG, Renqiu
H04W 74/08	Falahati, Sorour	LUO, Tao
(11) EP3691330	(74) ir. A. Blokland c.s.	HUANG, Yi
(21) EP20152884.1	(47) 20.07.2022	AKKARAKARAN, Sony
(22) 21.06.2017	(51) H04W 52/02	MANOLAKOS, Alexandros
(54) SYSTEMS AND METHODS OF DETERMING A REPORTING CONFIGURATION ASSOCIATED WITH A COVERAGE LEVEL OF A WIRELESS DEVICE	(11) EP3749024 (21) EP19178499.0	PARK, Seyong GAAL, Peter
(73) Telefonaktiebolaget LM Ericsson (publ)	(22) 05.06.2019	(74) dr. R.C. van Duijvenbode c.s.
(72) THANGARASA, Santhan KAZMI, Muhammad	(54) SYSTEMS AND METHOD FOR DETECTING INCOMING DATA PACKETS TO A TERMINAL	(31) 20170100419 201816131276
(74) ir. A. Blokland c.s.	(73) ise Individuelle Software und Elektronik GmbH	(32) 18.09.2017 14.09.2018
(31) 201662353017 P	(72) Gossé, Christian	(33) Greece
(32) 21.06.2016	Kamenik, Jens	United States of America
(33) United States of America	(74) dr. R.C. van Duijvenbode c.s.	(47) 24.08.2022
(47) 03.08.2022	(47) 10.08.2022	(51) H04W 52/48
(51) H04W 28/02	(51) H04W 52/30	H04W 52/50
H04W 72/04	H04W 52/36	H04W 52/14
(11) EP3800931	H04L 1/18	H04W 52/36
(21) EP20210549.0	H04L 5/00	(11) EP3675566
(22) 11.09.2013	H04W 28/18	(21) EP20158830.8
(54) SYSTEM AND METHOD FOR ADAPTIVE TRANSMISSION TIME INTERVAL (TTI) STRUCTURE	H04W 52/02	(22) 28.01.2015
(73) HUAWEI TECHNOLOGIES CO., LTD.	H04W 52/14	(54) METHOD AND APPARATUS OF ACCESS AND LINK ADAPTATION FOR COVERAGE ENHANCED WIRELESS TRANSMISSIONS
(72) MA, Jianglei	H04W 52/24	(73) InterDigital Patent Holdings, Inc.
ZHANG, Liqing	H04W 52/28	(72) LEE, Moon-il
AU, Kelvin Kar Kin	H04W 52/32	STERN-BERKOWITZ, Janet A.
YI, Zhihang	H04W 52/48	TOOHER, John Patrick
NIKOPOUR, Hosein	H04W 72/12	TAMAKI, Nobuyuki
(74) ir. W.J.J.M. Kempes	H04W 72/04	SADEGHI, Pouriya
(31) 201213611823	H04W 74/08	RUDOLF, Marian
(32) 12.09.2012	H04W 88/02	(74) dr. ir. G.J.C. Verdijck c.s.
(33) United States of America	H04W 88/08	(31) 201462075630 P
(47) 06.07.2022	H04W 76/15	201461955655 P
(51) H04W 36/00	H04L 27/26	201461933300 P
H04W 48/12	H04W 52/16	(32) 05.11.2014
H04W 76/15	(11) EP3471468	19.03.2014
(11) EP3659366	(21) EP18203430.6	29.01.2014
(21) EP18756328.3	(22) 19.01.2015	(33) United States of America
(22) 27.07.2018	(54) ADAPTATIONS OF DUAL CONNECTIVITY OPERATION TO UE CAPABILITY	United States of America
(54) SECONDARY CELL CONFIGURATION SIGNALING AND ACTIVATION FIELD	(73) Samsung Electronics Co., Ltd.	United States of America
(73) Qualcomm Incorporated	(72) Ng, Boon Loong	(47) 06.07.2022
(72) KITAZOE, Masato	Papasakellariou, Aris	(51) H04W 56/00
KADIRI, Prasad	Li, Ying	H04J 3/06
PHUYAL, Umesh	(74) dr. R.C. van Duijvenbode c.s.	H04L 47/28
(74) dr. R.C. van Duijvenbode c.s.	(31) 201514595827	H04W 28/02
(31) 201815957595	201461996671 P	H04L 47/32
201762538542 P	201461930837 P	H04L 47/24
(32) 19.04.2018	201461928900 P	H04L 47/283
	(32) 13.01.2015	(11) EP3861805
	14.05.2014	(21) EP19868833.5
	23.01.2014	

- (22) 04.10.2019  
(54) APPARATUS AND METHOD FOR SYNCHRONIZATION USING WIRELESS COMMUNICATION NETWORK IN WIRELESS COMMUNICATION SYSTEM  
(73) Samsung Electronics Co., Ltd.  
(72) PARK, Jungshin  
MOON, Sangjun  
LEE, Jicheol  
BAE, Beomsik  
BAEK, Youngkyo  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 20180118904  
(32) 05.10.2018  
(33) Korea (Republic)  
(47) 17.08.2022
- 
- (51) H04W 68/02  
H04W 68/00  
H04W 16/28  
H04W 48/12  
(11) EP3668212  
(21) EP17920717.0  
(22) 07.08.2017  
(54) INFORMATION TRANSMISSION METHODS AND APPARATUSES FOR PAGING  
(73) Beijing Xiaomi Mobile Software Co., Ltd.  
(72) LIU, Yang  
(74) J.M.H. Duyver lic.  
(47) 03.08.2022
- 
- (51) H04W 72/12  
(11) EP3620013  
(21) EP18723188.1  
(22) 19.04.2018  
(54) SCHEDULING REQUEST FOR WIRELESS SYSTEMS  
(73) Qualcomm Incorporated  
(72) HE, Linhai  
HORN, Gavin, Bernard  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 201815894734  
201762502478 P  
(32) 12.02.2018  
05.05.2017  
(33) United States of America  
United States of America  
(47) 24.08.2022
- 
- (51) H04W 74/08  
(11) EP3829259  
(21) EP21152981.3  
(22) 27.08.2014  
(54) METHODS AND NODES FOR DECODING OF CONTENTION BASED UPLINK TRANSMISSIONS  
(73) Telefonaktiebolaget LM Ericsson (publ)  
(72) Höglund, Andreas  
Yilmaz, Osman Nuri Can  
(74) ir. A. Blokland c.s.  
(47) 20.07.2022
- 
- (51) H04W 74/08  
H04W 72/04  
(11) EP3855856  
(21) EP21163252.6  
(22) 28.09.2017  
(54) RANDOM ACCESS METHOD FOR MULTIPLE NUMEROLOGY OPERATION  
(73) Telefonaktiebolaget LM Ericsson (publ)
- (72) Baldemair, Robert  
Parkvall, Stefan  
Liu, Jinhua  
(74) ir. A. Blokland c.s.  
(31) 201662402768 P  
(32) 30.09.2016  
(33) United States of America  
(47) 07.09.2022
- 
- (51) H04W 76/19  
H04W 36/00  
H04W 76/18  
(11) EP3544367  
(21) EP19162036.8  
(22) 11.03.2019  
(54) DEVICE AND METHOD OF HANDLING A SECONDARY NODE CONFIGURATION  
(73) HTC Corporation  
(72) WU, Chih-Hsiang  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 201862641393 P  
201862641399 P  
(32) 11.03.2018  
11.03.2018  
(33) United States of America  
United States of America  
(47) 10.08.2022
- 
- (51) H04W 76/34  
H04W 28/02  
(11) EP3672353  
(21) EP18845947.3  
(22) 15.08.2018  
(54) DATA PROCESSING METHOD, RECEIVING TERMINAL AND STORAGE MEDIUM  
(73) Vivo Mobile Communication Co., Ltd.  
(72) BAO, Wei  
WU, Yumin  
YUE, Ran  
(74) J.M.H. Duyver lic.  
(31) 201710707996  
(32) 17.08.2017  
(33) China  
(47) 24.08.2022
- 
- (51) H05B 6/12  
F24C 7/08  
(11) EP2690925  
(21) EP13176108.2  
(22) 11.07.2013  
(54) Hotplate device  
(73) BSH Hausgeräte GmbH  
(72) Dionisio Micolau, Diego  
Hernandez Blasco, Pablo Jesus  
Pina Gadea, Carmelo  
Ceamanos Gaya, Jesús  
Herrera Rodriguez, Javier  
Sin Use, Alberto Ignacio  
Martin Gomez, Damaso  
(31) 201231176  
(32) 23.07.2012  
(33) Spain  
(47) 07.09.2022
- 
- (51) H05B 6/70  
H05B 6/72  
(11) EP3756420  
(21) EP19703706.2  
(22) 06.02.2019
- (54) METHOD FOR OPERATING A FOOD HEATING DEVICE, AND FOOD HEATING DEVICE  
(73) BSH Hausgeräte GmbH  
(72) KUCHLER, Markus  
STERZ, Sebastian  
RIGORTH, Kerstin  
(31) 102018202719  
(32) 22.02.2018  
(33) Germany  
(47) 14.09.2022
- 
- (51) H05B 45/20  
H05B 47/115  
A61N 5/06  
(11) EP3308605  
(21) EP16735937.1  
(22) 11.06.2016  
(54) LIGHTING DEVICE WITH ADJUSTABLE OPERATION  
(73) IDEAL INDUSTRIES LIGHTING LLC  
(72) VAN DE VEN, Antony Paul  
HO, Chin Wah  
CHAN, Wai Kwan  
SWOBODA, Charles M.  
(74) dr. R.C. van Duijvenbode c.s.  
(31) 201562174474 P  
(32) 11.06.2015  
(33) United States of America  
(47) 03.08.2022
- 
- (51) H05K 1/02  
H05K 1/18  
(11) EP3357307  
(21) EP16781690.9  
(22) 27.09.2016  
(54) LUMINOUS DISPLAY  
(73) LightnTec GmbH & Co. KG  
(72) KALL, Florian  
HÜBNER, Manuel  
(74) J.M.H. Duyver lic.  
(31) 202016103036 U  
202016102308 U  
102015218610  
(32) 08.06.2016  
29.04.2016  
28.09.2015  
(33) Germany  
Germany  
Germany  
(47) 24.08.2022
- 
- (51) H05K 7/20  
H01R 13/40  
B60L 53/16  
B60L 53/302  
H01R 13/41  
H01R 24/28  
H01R 107/00  
(11) EP3761769  
(21) EP19782292.7  
(22) 25.01.2019  
(54) CHARGING GUN HAVING EXCELLENT HEAT CONDUCTION AND DISSIPATION PERFORMANCE  
(73) Rocking Energy Intelligent Technology Co., Ltd.  
(72) LIU, Yue  
XU, Zhongliang  
ZHONG, Rongdong  
LI, Tongbing



(74) dr. A. Krebs  
(31) 201820455905 U  
201810282932  
(32) 02.04.2018  
02.04.2018  
(33) China  
China  
(47) 07.09.2022

---

(51) H05K 7/20  
H04M 1/02  
G06F 1/16  
G06F 1/20  
(11) EP3461248  
(21) EP18182424.4  
(22) 21.03.2014  
(54) MOBILE TERMINAL  
(73) Huawei Device Co., Ltd.  
(72) JIN, Linfang  
ZOU, Jie  
LI, Hualin  
YANG, Xiangyang  
TANG, Wenbing  
(74) ir. W.J.J.M. Kempes  
(47) 06.07.2022

---

## EP4

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

(51) A23K 20/158 A23K 50/80	(11) EP2959933	(47) 25.06.2014
(11) EP1965658	(21) EP15170887.2	(51) C07C 51/12
(21) EP06817510.8	(22) 13.03.2009	C07B 61/00
(22) 17.11.2006	(54) VACUUM SYSTEM WITH VACUUM PORT FOR VACUUM WOUND THERAPY	C07C 51/44
(54) FEEDSTUFFS FOR AQUACULTURE COMPRISING STEARIDONIC ACID FEEDSTUFFS FOR AQUACULTURE	(73) Smith & Nephew, Inc.	C07C 53/08
(73) Commonwealth Scientific and Industrial Research Organisation	(74) ir. J.D. de Zeeuw	(11) EP3369722
(74) ir. W.J.J.M. Kempes	(72) Vitaris, Bethany, A.	(21) EP17732015.7
(72) MILLER, Matthew, Robert	(31) 36275 P	(22) 25.05.2017
CARTER, Christopher, Guy	(32) 13.03.2008	(54) METHOD FOR PRODUCING ACETIC ACID
NICHOLS, Peter, David	(33) United States of America	(73) Daicel Corporation
SINGH, Surinder, Pal	(47) 09.10.2019	(74) ir. M.F.J.M. Ketelaars c.s.
ZHOU, Xue-Rong	(51) B23F 5/20	(72) SHIMIZU, Masahiko
GREEN, Allan, Graham	B23F 9/08	(31) 2017039391
(31) 737946 P	B23F 21/12	2017006647
(32) 18.11.2005	B23F 21/20	(32) 02.03.2017
(33) United States of America	B23F 23/00	18.01.2017
(47) 03.10.2018	(11) EP2367656	(33) Japan
(51) A23L 29/30	(21) EP09798885.1	Japan
A23L 33/125	(22) 16.12.2009	(47) 01.01.2020
A23L 33/21	(54) MACHINE TOOL AND METHOD FOR PRODUCING GEARING	(51) C08B 37/08
A23L 33/00	(73) Voith Patent GmbH	(11) EP3510051
A61K 31/7016	Gebr. Heller Maschinenfabrik GmbH	(21) EP18799773.9
A61K 31/702	(72) HÜTTER, Wolfgang	(22) 09.11.2018
A61P 1/00	HUMMEL, Erhard	(54) CARBOXYALKYL CHITOSAN
(11) EP2672844	(31) 102008063858	(73) Kiomed Pharma
(21) EP12707135.5	(32) 19.12.2008	(74) ir. A.R. Aalbers
(22) 03.02.2012	(33) Germany	(72) CHAUSSON, Mickael
(54) MODULATION OF GROWTH OF BIFIDOBACTERIA USING A COMBINATION OF OLIGOSACCHARIDES FOUND IN HUMAN MILK	(47) 25.06.2014	DOUETTE, Pierre
(73) Société des Produits Nestlé S.A.	(51) B32B 3/24	GAUTIER, Sandrine, Emilia
(72) FRANTZ, David, Curtis	B32B 29/00	VAESEN, Philippe
(31) 201161441451 P	B42D 15/00	CHOUMANE, Houtai
(32) 10.02.2011	(11) EP2461970	ROCASALBAS, Guillermo
(33) United States of America	(21) EP10737935.6	(31) 1761323
(47) 19.11.2014	(22) 05.08.2010	(32) 28.11.2017
(51) A61F 13/02	(54) METHOD FOR PRODUCING A SECURITY ELEMENT AND SECURITY ELEMENT OBTAINABLE ACCORDING TO THE METHOD	(33) France
(11) EP3373874	(73) Giesecke+Devrient Currency Technology GmbH	(47) 01.01.2020
(21) EP16791613.9	(74) drs. P.A. van Essen c.s.	(51) C08F 2/50
(22) 08.11.2016	(72) OWEGER, Bernd	C09D 11/101
(54) MEDICAL DRESSING	WINKLER, Karin	C09D 11/322
(73) Mölnlycke Health Care AB	WIEDNER, Bernhard	C09D 11/40
(74) ir. M.F.J.M. Ketelaars c.s.	HEIM, Manfred	(11) EP2740773
(72) GUSTIN BERGSTRÖM, Maria	PLASCHKA, Reinhard	(21) EP14157767.6
ÖSTLUND, Linda	KRETSCHMAR, Friedrich	(22) 11.10.2006
JACOBSSON, Lena	MENGEL, Christoph	(54) Curable pigment inkjet ink sets and methods for preparing the said ink sets
WATHNE, Christian	BURCHARD, Theodor	(73) AGFA NV
(31) 15194495	LIEBLER, Ralf	(72) Claes, Roland
(32) 13.11.2015	KELLER, Mario	Deroover, Geert
(33) European Patent Office (EPO)	RUCK, Jürgen	(47) 12.12.2018
(47) 01.01.2020	HOFFMÜLLER, Winfried	(51) C11D 3/386
(51) A61M 27/00	(31) 102009036314	C12N 9/98
A61M 1/00	(32) 06.08.2009	(11) EP2126026
	(33) Germany	(21) EP08724493.5
		(22) 11.01.2008
		(54) IMPROVED SPRAY DRYING PROCESS
		(73) Danisco US Inc.
		(72) SCHER, Herbert B.
		WINETZKY, Deborah S.
		(31) 884860 P

- (32) 12.01.2007
- (33) United States of America
- (47) 16.03.2016

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- (51) E06B 3/12  
E06B 3/16
- (11) EP3080375
- (21) EP14835651.2
- (22) 13.12.2014
- (54) DEVICE FOR CLOSING AN OPENING  
IN A BUILDING
- (73) Degelsegger, Walter
- (74) ir. W.J.J.M. Kempes
- (72) Degelsegger, Walter
- (31) 9572013
- (32) 13.12.2013
- (33) Austria
- (47) 20.06.2018

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## 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) A23L 29/30	A61K 35/35	B29C 43/22
A23D 7/00	A61K 35/36	(11) EP3140129
(11) EP2672837	(11) EP2591789	(21) EP15718891.3
(21) EP12745154.0	(21) EP12177032.5	(22) 28.04.2015
(22) 10.02.2012	(22) 02.09.2008	(54) METHOD FOR PRODUCING A
(54) NUTRITIONAL COMPOSITIONS AND	(54) ADHERENT CELLS FROM ADIPOSE	DECORATED WALL OR FLOOR PANEL
USES THEREOF	OR PLACENTA TISSUES AND USE	(73) Akzenta Paneele + Profile GmbH
(73) Clover Corporation Limited	THEREOF IN THERAPY	(72) HANNIG, Hans-Jürgen
(72) MOSSEL, Brenda	(73) Pluristem Ltd.	(74) drs. J. Renkema
ELLIOTT, Glenn	(72) Meiron, Moran	(31) 14167698
CRENNAN, Sarah	Toren, Amir	(32) 09.05.2014
PATCH, Craig	Ofir, Rachel	(33) European Patent Office (EPO)
(74) ir. W.J.J.M. Kempes	Aberman, Zami	(47) 04.07.2018
(31) 2011900451	Drori-Carmi, Nirit	(51) C07K 14/505
(32) 11.02.2011	(74) ir. H.A. Witmans c.s.	C07K 14/555
(33) Australia	(31) 960184 P	C07K 14/56
(47) 03.04.2019	(32) 19.09.2007	C07K 14/565
(51) A24F 47/00	(33) United States of America	C07K 14/745
A61M 15/06	(47) 22.06.2016	C07K 14/475
(11) EP2787846	(51) B26D 3/11	C07K 16/00
(21) EP12812186.0	B26D 7/26	C12N 9/64
(22) 05.12.2012	B26D 1/28	C12N 9/96
(54) AN AEROSOL GENERATING DEVICE	B26D 3/26	A61K 47/48
HAVING AN INTERNAL HEATER	B26D 5/20	(11) EP2361932
(73) Philip Morris Products S.A.	B26D 7/06	(21) EP10182890.3
(72) DUBIEF, Flavien	B26D 1/00	(22) 06.05.2004
COCHAND, Olivier	(11) EP3192619	(54) Immunoglobulin chimeric monomer-dimer
THORENS, Michel	(21) EP17159568.9	hybrids
FLICK, Jean-Marc	(22) 10.10.2012	(73) Bioverativ Therapeutics Inc.
DEGOUMOIS, Yvan	(54) ROTARY KNIFE FIXTURE FOR	(72) Peters, Robert T.
(74) dr. W.A.H.M. Van Borm	CUTTING SPIRAL, TEXTURED POTATO	Mezo, Adam R
(31) 11192696	PIECES	Rivera, Daniel S
(32) 08.12.2011	(73) J.R. Simplot Company	Bitonti, Alan J
(33) European Patent Office (EPO)	(72) NEEL, Allen, J.	Stattel, James M
(47) 09.03.2016	WALKER, David Bruce	Low, Susan C
(51) A61K 9/28	(74) drs. W.H.P. Derks	(74) ir. W.J.J.M. Kempes
A61K 9/48	(31) 201213647319	(31) 539207 P
A61K 31/198	201261661278 P	487964 P
A61K 31/606	201161546035 P	469600 P
A61K 38/09	(32) 08.10.2012	(32) 26.01.2004
A61K 45/06	18.06.2012	17.07.2003
(11) EP1916995	11.10.2011	06.05.2003
(21) EP05770631.9	(33) United States of America	(33) United States of America
(22) 29.07.2005	United States of America	United States of America
(54) PH-CONTROLLED PULSATILE	United States of America	United States of America
DELIVERY SYSTEM, METHODS FOR	(47) 25.04.2018	(47) 04.05.2016
PREPARATION AND USE THEREOF	(51) B44C 5/04	
(73) Stichting Groningen Centre for Drug	E04F 15/00	
Research	B29C 43/28	
(72) SCHELLEKENS, Reinout Cornelus	B29L 31/00	
Andreas	B27N 3/24	
FRIJLINK, Henderik Willem	B27N 7/00	
(74) ir. H.A. Witmans c.s.	B30B 5/06	
(47) 28.10.2015	B32B 37/20	
(51) A61K 35/50	E04F 13/00	
A61P 9/10	E04F 15/10	
A61K 35/28	B29C 43/48	

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

- (21) 301197
- (22) 28.09.2022
- (11) 301197
- (74) ir. H.A. Witmans c.s.
- (68) EP2855453
- (54) BENZIMIDAZOLE-PROLINE  
DERIVATIVES
- (94) 1429
- (95) daridorexant of een farmaceutisch  
aanvaardbaar zout daarvan, in het  
bijzonder daridorexanthydrochloride
- (93) EU/1/22/1638 02.05.2022

---

- (21) 301198
- (22) 28.09.2022
- (11) 301198
- (74) ir. F.A. Geurts c.s.
- (68) EP2621526
- (54) ANTIBODY DRUG CONJUGATES (ADC)  
THAT BIND TO 191P4D12 PROTEINS
- (94) 1827
- (95) enfortumab vedotin
- (93) EU/1/21/1615 19.04.2022

## 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) EP2772859	(00) Fallbrook Intellectual Property Company LLC	(00) 52/21 29.12.2021
(51) G06F 11/07	(11) EP3463308	(11) EP3591073
G06F 11/30	(51) A61K 9/19	(51) C12Q 1/6869
G06F 11/34	A61K 9/00	G16B 30/00
(00) 48/21	A61K 47/02	G16B 30/10
01.12.2021	A61K 47/26	(00) 48/21
(11) EP3082683	A61K 47/40	01.12.2021
(51) G16H 50/20	A61K 38/50	(11) EP3595910
A61F 13/42	A61K 47/60	(51) B42D 25/24
A61F 5/48	A61K 47/69	(00) 48/21
A61B 5/20	A61P 35/04	01.12.2021
A61B 5/00	(00) 48/21	(11) EP3631100
A61F 13/49	01.12.2021	(51) E03D 3/06
G16H 50/30	(11) EP3475512	(00) 48/21
(00) 48/21	(51) E05F 15/603	01.12.2021
01.12.2021	(00) 48/21	(11) EP3633150
(11) EP3237309	01.12.2021	(51) F01D 5/18
(51) B65G 1/02	(11) EP3503846	B22C 9/10
(00) 48/21	(51) A61F 2/24	(00) 48/21
01.12.2021	(00) 48/21	01.12.2021
(11) EP3255141	(11) EP3553226	(11) EP3682905
(51) C12N 5/00	(51) C12P 21/02	(51) A61K 48/00
(00) 48/21	D06P 1/00	C07H 21/02
01.12.2021	D06P 1/22	C07H 21/04
(11) EP3308996	D06P 1/24	(00) 48/21
(51) B60L 5/32	D06P 5/22	01.12.2021
(00) 48/21	D06M 16/00	
01.12.2021	D06N 3/00	
(11) EP3346054	D06P 1/46	
(51) E01B 9/30	D06P 1/48	
E01B 9/48	D06P 1/50	
(00) 48/21	D06N 3/02	
01.12.2021	D03D 13/00	
(11) EP3386712	D03D 27/00	
(51) B29C 48/06	D06P 1/34	
B32B 27/08	C09B 61/00	
(00) 48/21	C12P 19/04	
01.12.2021	C12P 17/16	
(11) EP3393823	(00) 48/21	
(51) B60C 1/00	01.12.2021	
(00) 48/21	(11) EP3574914	
01.12.2021	(51) A61K 9/06	
(11) EP3397252	A61K 9/10	
(51) A61K 31/095	A61K 47/26	
(00) 48/21	A61K 47/32	
01.12.2021	A61K 47/36	
(11) EP3397816	A61K 47/38	
(51) E02F 5/10	A61K 45/06	
H02G 1/10	A61K 31/41	
(00) 48/21	A61K 31/341	
01.12.2021	A61K 31/4439	
(11) EP3430287	A61K 31/58	
(51) F16H 15/28	A61P 1/00	
(00) 30.09.2022	A61P 1/04	
(00) 52/20	A61P 5/44	
23.12.2020	A61P 1/14	
(00) Restoration of rights	A61P 5/38	

**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) EP2734985

(51) G07F 17/32

(00) 13/21

31.03.2021

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(11) EP3405158

(51) A61H 9/00

A61H 19/00

H02J 7/02

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(11) EP3415290

(51) B26D 1/143

B26D 1/15

B26D 7/01

(00) 35/20

26.08.2020

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

(11) 2021063	B60R 13/07	F16D 65/54
(00) 15.09.2022	B60S 1/04	(00) Established
(51) H02J 7/00	B62D 25/24	(11) 2025974
(00) Established	(00) Established	(00) 15.09.2022
(11) 2021103	(11) 2022638	(51) B60H 1/00
(00) 15.09.2022	(00) 15.09.2022	B60H 1/24
(51) B60K 7/00	(51) H02S 50/00	B60H 1/26
G01M 1/04	(00) Established	(00) Established
G01M 1/22	(11) 2023114	(11) 2026146
G01M 17/02	(00) 15.09.2022	(00) 15.09.2022
(00) Established	(51) B60L 1/00	(51) B60R 11/02
(11) 2021173	B60L 8/00	(00) Established
(00) 15.09.2022	(00) Established	(11) 2026389
(51) B60L 8/00	(11) 2023637	(00) 15.09.2022
(00) Established	(00) 15.09.2022	(51) H01L 31/0224
(11) 2021283	(51) B60K 16/00	H01L 31/048
(00) 15.09.2022	B60L 8/00	H01L 31/05
(51) B60K 7/00	(00) Established	H01L 31/18
B60K 17/30	(11) 2023641	(00) Established
H02K 9/00	(00) 15.09.2022	(11) 2026470
(00) Established	(51) H02K 7/08	(00) 15.09.2022
(11) 2021504	H02K 16/02	(51) B60R 19/18
(00) 15.09.2022	H02K 21/24	B60R 19/34
(51) B60L 50/00	(00) Established	(00) Established
B65D 25/00	(11) 2023851	(11) 2026667
(00) Established	(00) 15.09.2022	(00) 15.09.2022
(11) 2021554	(51) H01L 31/048	(51) H01F 21/06
(00) 15.09.2022	(00) Established	H01F 29/10
(51) B60K 7/00	(11) 2024173	(00) Established
(00) Established	(00) 15.09.2022	(11) 2026816
(11) 2021633	(51) F16C 39/02	(00) 15.09.2022
(00) 15.09.2022	H02K 1/27	(51) B60K 7/00
(51) H02S 50/00	(00) Established	(00) Established
(00) Established	(11) 2024835	(11) 2026972
(11) 2021711	(00) 15.09.2022	(00) 15.09.2022
(00) 15.09.2022	(51) B60K 7/00	(51) H01L 31/048
(51) H01L 31/048	(00) Established	H01L 31/049
(00) Established	(11) 2024940	(00) Established
(11) 2021850	(00) 15.09.2022	(11) 2027025
(00) 15.09.2022	(51) H01L 31/0352	(00) 15.09.2022
(51) B60B 7/20	H01L 31/042	(51) B60L 58/20
(00) Established	(00) Established	(00) Established
(11) 2022023	(11) 2025144	(11) 2027099
(00) 15.09.2022	(00) 15.09.2022	(00) 15.09.2022
(51) B60L 8/00	(51) B60R 21/013	(51) B60H 1/00
H02S 40/42	B60R 21/34	(00) Established
(00) Established	B60R 21/38	(11) 2027384
(11) 2022078	(00) Established	(00) 15.09.2022
(00) 15.09.2022	(11) 2025308	(51) B60L 8/00
(51) H02K 1/27	(00) 15.09.2022	B60L 58/20
H02K 1/30	(51) B60K 7/00	(00) Established
H02K 7/14	B60K 11/06	(11) 2027572
H02K 21/24	(00) Established	(00) 15.09.2022
(00) Established	(11) 2025893	(51) H01L 31/04
(11) 2022216	(00) 15.09.2022	H01L 31/05
(00) 15.09.2022	(51) H02K 9/06	(00) Established
(51) B60J 10/244	H02K 1/27	(11) EP1814572
B60J 10/25	(00) Established	(00) 28.09.2022
B60J 10/50	(11) 2025910	(51) A61K 38/15
B60J 10/72	(00) 15.09.2022	A61P 33/00
	(51) F16D 55/22	



(00) New licence registration	A61P 35/04	A61K 47/50
(11) EP1863535	C07K 16/18	(00) Established
(00) 28.09.2022	C07K 16/30	(00) Aandeel van ADC Therapeutics SA is verpand aan Owl Rock Opportunistic Master Fund I, L.P.
(51) A01N 43/84	G01N 33/574	
A01N 43/90	(00) Established	
A01P 5/00	(11) EP2740773	(11) EP2906298
A61K 9/00	(51) C08F 2/50	(00) 27.09.2022
A61K 31/5513	C09D 11/101	(51) A61P 35/00
A61K 38/15	C09D 11/322	A61P 39/00
A61K 47/22	C09D 11/40	A61K 47/68
A61P 33/00	(11) EP2802351	(00) Established
(00) New licence registration	(00) 27.09.2022	(00) Aandeel van ADC Therapeutics SA is verpand aan Owl Rock Opportunistic Master Fund I, L.P.
(11) EP1965658	(51) A61K 31/7088	
(51) A23K 20/158	A61K 39/00	(11) EP2959933
A23K 50/80	A61K 39/395	(51) A61M 27/00
(11) EP2025414	A61K 45/06	A61M 1/00
(00) 30.09.2022	A61P 35/00	A61F 13/00
(51) B06B 1/06	C07K 16/18	
G10K 11/00	C07K 16/30	(11) EP2988132
(00) New licence registration	A61K 47/68	(00) 30.09.2022
(11) EP2126026	(00) Established	(51) G01N 35/00
(51) C11D 3/386	(11) EP2886929	G01N 35/02
C12N 9/98	(00) 30.09.2022	(00) New licence registration
(11) EP2285359	(51) A47B 21/02	(11) EP3011908
(00) 28.09.2022	A47B 21/03	(00) 30.09.2022
(51) A61K 9/22	A61B 8/00	(51) A61B 8/12
A61K 31/4152	F16M 11/04	(00) New licence registration
A61K 31/495	F16M 11/16	(11) EP3047318
A61K 31/662	F16M 11/42	(00) 27.09.2022
A61K 31/7048	(00) New licence registration	(51) G02B 6/02
A61K 38/15	(11) EP2906250	(00) New licence registration
(00) New licence registration	(00) 27.09.2022	(11) EP3047319
(11) EP2333577	(51) A61K 31/551	(00) 27.09.2022
(00) 30.09.2022	A61P 35/00	(51) C03B 37/025
(51) G06T 19/00	A61K 47/68	G02B 6/02
A61B 8/00	(00) Established	(00) New licence registration
A61B 8/08	(00) Aandeel van ADC Therapeutics SA is verpand aan Owl Rock Opportunistic Master Fund I, L.P.	(11) EP3054985
G01S 7/52		(00) 27.09.2022
G01S 15/89		(51) A61P 35/00
G06T 7/00	(11) EP2906251	A61K 47/68
(00) New licence registration	(00) 27.09.2022	(00) Established
(11) EP2367656	(51) A61K 31/551	(00) Aandeel van ADC Therapeutics SA is verpand aan Owl Rock Opportunistic Master Fund I, L.P.
(51) B23F 5/20	A61K 39/395	
B23F 9/08	A61P 35/02	(11) EP3054986
B23F 21/12	C07K 16/28	(00) 27.09.2022
B23F 21/20	C07K 16/30	(51) A61P 35/00
B23F 23/00	A61K 47/68	A61K 47/68
(11) EP2434957	(00) Established	(00) Established
(00) 30.09.2022	(00) Aandeel van ADC Therapeutics SA is verpand aan Owl Rock Opportunistic Master Fund I, L.P.	(00) Aandeel van ADC Therapeutics SA is verpand aan Owl Rock Opportunistic Master Fund I, L.P.
(51) A61B 8/00		
(00) New licence registration	(11) EP2906296	(11) EP3080375
(11) EP2461970	(00) 27.09.2022	(51) E06B 3/12
(51) B32B 3/24	(51) A61K 31/5517	E06B 3/16
B32B 29/00	A61K 45/06	
B42D 15/00	A61P 35/00	(11) EP3130674
(11) EP2672844	A61P 39/00	(00) 27.09.2022
(51) A23L 29/30	C07K 16/28	(51) A61K 31/7088
A23L 33/125	A61K 47/50	A61K 39/00
A23L 33/21	(00) Established	A61K 39/395
A23L 33/00	(00) Aandeel van ADC Therapeutics SA is verpand aan Owl Rock Opportunistic Master Fund I, L.P.	A61K 48/00
A61K 31/7016		C07K 16/18
A61K 31/702		C07K 16/30
A61P 1/00	(11) EP2906297	C12N 15/13
(11) EP2691421	(00) 27.09.2022	G01N 33/574
(00) 27.09.2022	(51) A61K 31/5517	(00) Established
(51) A61K 39/395	A61P 39/00	(11) EP3150127
A61P 35/00		

(00) 30.09.2022  
(51) A61B 8/00  
G01S 15/89  
G01S 7/52  
(00) New licence registration  

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(11) EP3152607  
(00) 27.09.2022  
(51) G02B 6/02  
(00) New licence registration  

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(11) EP3173427  
(00) 27.09.2022  
(51) A61K 39/395  
A61P 35/00  
A61P 35/04  
C07K 16/30  
G01N 33/574  
(00) Established  

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(11) EP3249431  
(00) 27.09.2022  
(51) G02B 6/02  
G02B 6/024  
H01S 3/067  
(00) New licence registration  

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(11) EP3249432  
(00) 27.09.2022  
(51) G02B 6/02  
G02B 6/024  
H01S 3/067  
(00) New licence registration  

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(11) EP3369722  
(51) C07C 51/12  
C07B 61/00  
C07C 51/44  
C07C 53/08  

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(11) EP3373874  
(51) A61F 13/02  

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(11) EP3510051  
(51) C08B 37/08  

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(11) EP3544636  
(00) 27.09.2022  
(51) A61K 45/06  
A61P 35/00  
A61P 43/00  
A61K 47/68  
(00) Established  
(00) Aandeel van ADC Therapeutics SA is  
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Master Fund I, L.P.  

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(11) EP3579883  
(00) 27.09.2022  
(51) A61K 47/68  
A61P 35/00  
(00) Established  
(00) Aandeel van ADC Therapeutics SA is  
verpand aan Owl Rock Opportunistic  
Master Fund I, L.P.  

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## VRV

## Verval of nietigverklaring.

## Contains data concerning lapse or annulment.

(11) 1021570	(00) NP lapsed	(00) NP lapsed
(00) 01.10.2022	(11) 1043155	(11) 2010318
(00) Patent Expired	(00) 01.03.2022	(00) 01.03.2022
(11) 1021571	(00) NP lapsed	(00) NP lapsed
(00) 01.10.2022	(11) 1043156	(11) 2010329
(00) Patent Expired	(00) 01.03.2022	(00) 01.03.2022
(11) 1025529	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2022	(11) 1043162	(11) 2010341
(00) NP lapsed	(00) 01.03.2022	(00) 01.03.2022
(11) 1031169	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2022	(11) 1043166	(11) 2010350
(00) NP lapsed	(00) 01.03.2022	(00) 01.03.2022
(11) 1031192	(00) NP lapsed	(00) NP lapsed
(00) 01.03.2022	(11) 1043167	(11) 2012207
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(11) EP2393680	(11) EP2401221	(11) EP2450528
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(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2393774	(11) EP2401642	(11) EP2472079
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2393857	(11) EP2401661	(11) EP2484196
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2394019	(11) EP2401791	(11) EP2484970
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2396206	(11) EP2401833	(11) EP2485004
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2396491	(11) EP2401871	(11) EP2487040
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2396929	(11) EP2402419	(11) EP2488398
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2397444	(11) EP2403303	(11) EP2489561
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2398311	(11) EP2403745	(11) EP2489780
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2398312	(11) EP2404092	(11) EP2491807
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2492182	(11) EP2531566	(11) EP2538947
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2492282	(11) EP2531768	(11) EP2539097
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2492787	(11) EP2532899	(11) EP2539161
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2495651	(11) EP2533925	(11) EP2539240
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2498572	(11) EP2534162	(11) EP2539511
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2500749	(11) EP2534215	(11) EP2539844
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2503460	(11) EP2534216	(11) EP2540353
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2505297	(11) EP2534217	(11) EP2542505
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2505546	(11) EP2534594	(11) EP2544636
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2506020	(11) EP2534814	(11) EP2552504
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2506642	(11) EP2534905	(11) EP2555222
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2511026	(11) EP2535537	(11) EP2556862
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2516778	(11) EP2536340	(11) EP2557995
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2518315	(11) EP2536573	(11) EP2558394
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2525126	(11) EP2536644	(11) EP2560451
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2526033	(11) EP2536896	(11) EP2561206
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2526809	(11) EP2537044	(11) EP2563259
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2526910	(11) EP2537068	(11) EP2569074
(00) 10.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP2527702	(11) EP2537123	(11) EP2573075
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2531031	(11) EP2538076	(11) EP2578095
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2531213	(11) EP2538814	(11) EP2581740
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2531489	(11) EP2538899	(11) EP2583687
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2584408	(11) EP2638458	(11) EP2673708
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2604340	(11) EP2638934	(11) EP2674808
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2608201	(11) EP2639472	(11) EP2675395
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2609837	(11) EP2647813	(11) EP2675556
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2609990	(11) EP2657207	(11) EP2675618
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2614382	(11) EP2657755	(11) EP2675633
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2615443	(11) EP2662719	(11) EP2675672
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP2622443	(11) EP2666462	(11) EP2675826
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP2622967	(11) EP2670449	(11) EP2675848
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP2624569	(11) EP2670490	(11) EP2675910
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2624593	(11) EP2670741	(11) EP2676097
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2624773	(11) EP2670742	(11) EP2676661
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2626576	(11) EP2670743	(11) EP2678352
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2628593	(11) EP2670908	(11) EP2678396
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2630936	(11) EP2671324	(11) EP2680618
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2631192	(11) EP2672817	(11) EP2680694
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2631764	(11) EP2672939	(11) EP2680787
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2631766	(11) EP2673285	(11) EP2680958
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2633748	(11) EP2673310	(11) EP2681285
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2634878	(11) EP2673412	(11) EP2681493
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2635024	(11) EP2673507	(11) EP2681719
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2636830	(11) EP2673541	(11) EP2682337
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022

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(11) EP2682462	(11) EP2738199	(11) EP2774811
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2683458	(11) EP2742127	(11) EP2775029
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2684082	(11) EP2748576	(11) EP2776817
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP2686944	(11) EP2748805	(11) EP2777944
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
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(11) EP2686964	(11) EP2750805	(11) EP2778100
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
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(11) EP2688391	(11) EP2757504	(11) EP2779421
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(11) EP2691035	(11) EP2757670	(11) EP2779724
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(11) EP2691362	(11) EP2761974	(11) EP2781292
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
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(11) EP2694289	(11) EP2765254	(11) EP2782004
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP2694935	(11) EP2767381	(11) EP2785358
(00) 01.03.2022	(00) 01.06.2022	(00) 01.06.2022
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(11) EP2694936	(11) EP2767409	(11) EP2786684
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP2695044	(11) EP2767467	(11) EP2786699
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP2695722	(11) EP2768209	(11) EP2787788
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP2696850	(11) EP2769725	(11) EP2796993
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(11) EP2698090	(11) EP2770253	(11) EP2799059
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(11) EP2698678	(11) EP2770271	(11) EP2800142
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP2712015	(11) EP2770312	(11) EP2809140
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
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(11) EP2713918	(11) EP2772605	(11) EP2809292
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(11) EP2721181	(11) EP2772772	(11) EP2809570
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(11) EP2729151	(11) EP2773095	(11) EP2812159
(00) 28.05.2022	(00) 01.03.2022	(00) 01.03.2022

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(11) EP2812364	(11) EP2817405	(11) EP2821806
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP2812417	(11) EP2817410	(11) EP2822050
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(11) EP2812493	(11) EP2817463	(11) EP2822925
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(11) EP2812899	(11) EP2817596	(11) EP2823554
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(11) EP2812965	(11) EP2817623	(11) EP2824380
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(11) EP2813513	(11) EP2817832	(11) EP2824909
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(11) EP2814462	(11) EP2817883	(11) EP2828946
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP2814496	(11) EP2818144	(11) EP2829206
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2814808	(11) EP2818214	(11) EP2830534
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP2814820	(11) EP2819666	(11) EP2831574
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP2814843	(11) EP2819836	(11) EP2835602
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP2815130	(11) EP2819879	(11) EP2836226
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP2815239	(11) EP2819989	(11) EP2836292
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2816910	(11) EP2820003	(11) EP2836721
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP2816938	(11) EP2820013	(11) EP2838557
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(11) EP2817038	(11) EP2820089	(11) EP2840966
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(11) EP2817151	(11) EP2820549	(11) EP2841609
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP2817171	(11) EP2820854	(11) EP2843047
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP2817184	(11) EP2821136	(11) EP2843238
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP2817252	(11) EP2821418	(11) EP2843562
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2817333	(11) EP2821618	(11) EP2847792
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022



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(11) EP2856016	(11) EP2910217	(11) EP2950788
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP2858603	(11) EP2910728	(11) EP2951105
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2862548	(11) EP2910893	(11) EP2952251
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2866986	(11) EP2911031	(11) EP2953445
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2869115	(11) EP2911032	(11) EP2953944
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2884835	(11) EP2911064	(11) EP2953952
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2889860	(11) EP2913040	(11) EP2954119
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2894176	(11) EP2923578	(11) EP2954521
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2895624	(11) EP2925264	(11) EP2954735
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2896882	(11) EP2926373	(11) EP2956037
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2899603	(11) EP2930741	(11) EP2956119
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2902295	(11) EP2931041	(11) EP2956223
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2903391	(11) EP2933718	(11) EP2956235
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2904063	(11) EP2934793	(11) EP2956254
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2904890	(11) EP2937511	(11) EP2956272
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2905230	(11) EP2937915	(11) EP2956384
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2906110	(11) EP2939263	(11) EP2956515
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2906839	(11) EP2941723	(11) EP2956544
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2908209	(11) EP2942538	(11) EP2956872
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2908355	(11) EP2946222	(11) EP2956948
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2908515	(11) EP2948353	(11) EP2957001
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2910123	(11) EP2948853	(11) EP2957126
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2957462	(11) EP2961732	(11) EP2982859
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2957578	(11) EP2962124	(11) EP2983505
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2958750	(11) EP2962298	(11) EP2984778
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2958755	(11) EP2962314	(11) EP2989458
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2958758	(11) EP2962466	(11) EP2991046
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2958772	(11) EP2962478	(11) EP2992635
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2958970	(11) EP2962735	(11) EP2992860
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2958989	(11) EP2963125	(11) EP2994801
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2959023	(11) EP2963515	(11) EP3000012
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2959038	(11) EP2964506	(11) EP3000868
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2959311	(11) EP2965499	(11) EP3002322
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2959496	(11) EP2966382	(11) EP3002423
(00) 01.03.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2960133	(11) EP2966627	(11) EP3010709
(00) 01.06.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2960461	(11) EP2968012	(11) EP3011063
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2960463	(11) EP2968674	(11) EP3012191
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2960465	(11) EP2968693	(11) EP3012192
(00) 01.03.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2960526	(11) EP2968927	(11) EP3016666
(00) 01.03.2022	(00) 01.03.2022	(00) 29.08.2022
(00) EPV lapsed	(00) EPV lapsed	(00) European Patent got Revoked
(11) EP2961359	(11) EP2974815	(11) EP3018810
(00) 01.03.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2961481	(11) EP2976350	(11) EP3022378
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2961509	(11) EP2977535	(11) EP3025985
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2961641	(11) EP2981463	(11) EP3026062
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2961696	(11) EP2982049	(11) EP3026225
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3028004	(11) EP3057306	(11) EP3078861
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3029458	(11) EP3058512	(11) EP3079681
(00) 01.06.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3031005	(11) EP3059531	(11) EP3081355
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3033749	(11) EP3059645	(11) EP3088983
(00) 01.06.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3033871	(11) EP3060924	(11) EP3091972
(00) 01.06.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3034733	(11) EP3061371	(11) EP3095797
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3035005	(11) EP3062257	(11) EP3097553
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3035031	(11) EP3063683	(11) EP3097929
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3038854	(11) EP3065028	(11) EP3099098
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3042885	(11) EP3066463	(11) EP3099483
(00) 01.06.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3045285	(11) EP3067884	(11) EP3100241
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3046881	(11) EP3067994	(11) EP3100886
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3047504	(11) EP3068654	(11) EP3101502
(00) 01.06.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3048490	(11) EP3070871	(11) EP3102054
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3050754	(11) EP3071149	(11) EP3102189
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3051785	(11) EP3071790	(11) EP3102197
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3051798	(11) EP3072351	(11) EP3102572
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP3054324	(11) EP3073886	(11) EP3102614
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3054697	(11) EP3074404	(11) EP3103689
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3056089	(11) EP3075546	(11) EP3103874
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP3056528	(11) EP3075581	(11) EP3103948
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3057053	(11) EP3076051	(11) EP3104200
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3104827	(11) EP3110385	(11) EP3116295
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3104878	(11) EP3110408	(11) EP3117803
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3105200	(11) EP3110420	(11) EP3118545
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3105201	(11) EP3110485	(11) EP3119658
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(11) EP3105291	(11) EP3110567	(11) EP3120023
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP3105427	(11) EP3110630	(11) EP3120458
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3105458	(11) EP3110631	(11) EP3122197
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3105627	(11) EP3110756	(11) EP3122759
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3106546	(11) EP3110758	(11) EP3125831
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3107172	(11) EP3110759	(11) EP3126116
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3107366	(11) EP3110760	(11) EP3126137
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3107457	(11) EP3110802	(11) EP3126890
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(11) EP3107607	(11) EP3110840	(11) EP3129119
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3107645	(11) EP3110854	(11) EP3129129
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3107803	(11) EP3110855	(11) EP3130108
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3108028	(11) EP3111127	(11) EP3130544
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3108088	(11) EP3111518	(11) EP3131649
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(11) EP3108143	(11) EP3112632	(11) EP3131929
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3108613	(11) EP3112692	(11) EP3132676
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3109101	(11) EP3113283	(11) EP3133394
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3109308	(11) EP3113963	(11) EP3134466
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3109347	(11) EP3114319	(11) EP3141683
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3143767	(11) EP3172544	(11) EP3205795
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3148007	(11) EP3173600	(11) EP3205979
(00) 01.03.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3150095	(11) EP3174284	(11) EP3206110
(00) 01.03.2022	(00) 01.06.2022	(00) 01.03.2022
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(11) EP3150236	(11) EP3174367	(11) EP3206988
(00) 01.03.2022	(00) 01.06.2022	(00) 01.06.2022
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(11) EP3151270	(11) EP3174581	(11) EP3208030
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3152839	(11) EP3175543	(11) EP3209012
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3153588	(11) EP3178488	(11) EP3209013
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3155230	(11) EP3179761	(11) EP3210485
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3157544	(11) EP3181086	(11) EP3210505
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3157722	(11) EP3182175	(11) EP3210657
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3157743	(11) EP3183297	(11) EP3211656
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3158400	(11) EP3190267	(11) EP3212045
(00) 01.06.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3158572	(11) EP3190284	(11) EP3213865
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3161888	(11) EP3190475	(11) EP3214198
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(11) EP3163417	(11) EP3196542	(11) EP3214447
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(11) EP3165332	(11) EP3197003	(11) EP3214901
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
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(11) EP3165868	(11) EP3202271	(11) EP3214966
(00) 01.03.2022	(00) 01.06.2022	(00) 01.06.2022
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(11) EP3166753	(11) EP3202317	(11) EP3217157
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
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(11) EP3167465	(11) EP3203592	(11) EP3218664
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3168963	(11) EP3203721	(11) EP3219245
(00) 01.06.2022	(00) 01.06.2022	(00) 01.06.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3171067	(11) EP3205497	(11) EP3220800
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3221884	(11) EP3246697	(11) EP3259409
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
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(11) EP3222801	(11) EP3251507	(11) EP3259431
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP3224477	(11) EP3251638	(11) EP3259433
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3224844	(11) EP3253471	(11) EP3259586
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3226547	(11) EP3253921	(11) EP3261588
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP3227013	(11) EP3254521	(11) EP3261689
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3227374	(11) EP3255105	(11) EP3261711
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
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(11) EP3228974	(11) EP3255415	(11) EP3261915
(00) 01.06.2022	(00) 01.06.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3233061	(11) EP3256082	(11) EP3262874
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3233187	(11) EP3256447	(11) EP3263344
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3235370	(11) EP3256462	(11) EP3265139
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(11) EP3236058	(11) EP3256539	(11) EP3265711
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(11) EP3239086	(11) EP3256570	(11) EP3265893
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3239493	(11) EP3256836	(11) EP3266075
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(11) EP3239597	(11) EP3257316	(11) EP3267855
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP3240439	(11) EP3258080	(11) EP3269768
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3241814	(11) EP3258123	(11) EP3271302
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3242174	(11) EP3258342	(11) EP3271375
(00) 01.06.2022	(00) 01.03.2022	(00) 01.03.2022
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(11) EP3242441	(11) EP3258439	(11) EP3272513
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(11) EP3243211	(11) EP3259196	(11) EP3273278
(00) 01.06.2022	(00) 01.03.2022	(00) 01.06.2022
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(11) EP3243752	(11) EP3259218	(11) EP3273435
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(11) EP3244109	(11) EP3259349	(11) EP3273825
(00) 01.03.2022	(00) 01.03.2022	(00) 01.03.2022

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(11) EP3275274	(11) EP3291139	(11) EP3316336
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(11) EP3278195	(11) EP3293971	(11) EP3317715
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(11) EP3279635	(11) EP3296979	(11) EP3318886
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(11) EP3280425	(11) EP3298201	(11) EP3320127
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(11) EP3280429	(11) EP3299205	(11) EP3320301
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(11) EP3281077	(11) EP3299858	(11) EP3321527
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(11) EP3423720	(11) EP3439323	(11) EP3451968
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(11) EP3428466	(11) EP3445784	(11) EP3458865
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(11) EP3459515	(11) EP3479147	(11) EP3492424
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(11) EP3459750	(11) EP3479899	(11) EP3492466
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(11) EP3461166	(11) EP3480156	(11) EP3494027
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(11) EP3461660	(11) EP3481819	(11) EP3494330
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(11) EP3465096	(11) EP3484591	(11) EP3495325
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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) Dovidq Medical Systems B.V.	C07C 215/54	(00) 22.09.2022
(73) Dovidq Medical Systems B.V.	(00) Merge	(51) A61K 39/12
(11) 2004777	(71) Merck Sharp & Dohme LLC	A61K 48/00
(00) 30.09.2022	(73) Merck Sharp & Dohme LLC	C07K 14/025
(51) G01M 11/00	(11) EP1539977	C12N 15/37
G01M 11/02	(00) 22.09.2022	C12N 15/81
G01M 11/08	(51) C12N 1/20	(00) Merge
(00) Assignment	C12P 19/62	(71) Merck Sharp & Dohme LLC
(71) Stichting Radboud universitair medisch centrum	C12R 1/01	(73) Merck Sharp & Dohme LLC
(73) Stichting Radboud universitair medisch centrum	(00) Merge	(11) EP1694705
(11) 2012416	(71) Pharmacoepia, LLC	(00) 22.09.2022
(00) 27.09.2022	Merck Sharp & Dohme LLC	(51) C07K 16/24
(51) A61B 6/00	(73) Pharmacoepia, LLC	C07K 16/46
A61B 8/08	Merck Sharp & Dohme LLC	G01N 33/68
A61B 19/00	(11) EP1537116	(00) Merge
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(71) Stichting Radboud Universiteit	(51) A61K 31/519	Merck Sharp & Dohme LLC
(73) Stichting Radboud universitair medisch centrum	C07D 487/04	(73) Pharmacoepia, LLC
(11) 2012416	(00) Merge	Merck Sharp & Dohme LLC
(00) 27.09.2022	(71) Merck Sharp & Dohme LLC	(11) EP1720882
(51) A61B 6/00	(73) Merck Sharp & Dohme LLC	(00) 22.09.2022
A61B 8/08	(11) EP1506287	(51) A61K 31/495
A61B 19/00	(00) 22.09.2022	A61P 35/00
(00) Change of owner(s) name	(51) C12N 7/02	C07D 487/04
(71) Merck Sharp & Dohme LLC	(00) Merge	(00) Merge
(73) Merck Sharp & Dohme LLC	(71) Merck Sharp & Dohme LLC	(71) Merck Sharp & Dohme LLC
(11) 300357	(73) Merck Sharp & Dohme LLC	(73) Merck Sharp & Dohme LLC
(00) 22.09.2022	(11) EP1478339	(11) EP1730110
(00) Merge	(00) 22.09.2022	(00) 22.09.2022
(71) Merck Sharp & Dohme LLC	(51) A61K 9/08	(51) A61K 31/403
(73) Merck Sharp & Dohme LLC	A61K 47/18	A61K 31/407
(11) 300519	A61P 35/00	A61P 31/12
(00) 22.09.2022	(00) Merge	C07D 209/52
(00) Merge	(71) Merck Sharp & Dohme LLC	C07D 209/56
(71) Merck Sharp & Dohme LLC	(73) Merck Sharp & Dohme LLC	C07D 491/04
(73) Merck Sharp & Dohme LLC	(11) EP1654263	C07K 5/02
(11) 300727	(00) 22.09.2022	C07K 5/08
(00) 22.09.2022	(51) A61K 31/4985	(00) Merge
(00) Merge	A61P 3/10	(71) Merck Sharp & Dohme LLC
(71) Merck Sharp & Dohme LLC	C07D 487/04	(73) Merck Sharp & Dohme LLC
(73) Merck Sharp & Dohme Corp.	(00) Merge	(11) EP1730175
Merck Sharp & Dohme LLC	(71) Merck Sharp & Dohme LLC	(00) 22.09.2022
(11) 300727	(73) Merck Sharp & Dohme LLC	(51) C07K 14/025
(00) 22.09.2022	(11) EP1608767	(00) Merge
(00) Merge	(00) 22.09.2022	(71) Merck Sharp & Dohme de Espana S.A.
(71) Merck Sharp & Dohme LLC	(51) A61K 39/12	Merck Sharp & Dohme LLC
(73) Merck Sharp & Dohme LLC	C07K 14/025	(73) Merck Sharp & Dohme de Espana S.A.
(11) EP1455756	C12N 15/37	Merck Sharp & Dohme LLC
(00) 22.09.2022	(00) Merge	(11) EP1756034
(51) A61K 9/14	(71) Merck Sharp & Dohme LLC	(00) 22.09.2022
A61K 9/16	(73) Merck Sharp & Dohme LLC	(51) A61K 31/19
A61K 9/51	(11) EP1673106	A61K 31/609
A61K 31/5377	(00) 22.09.2022	C07C 69/00
(00) Merge	(51) A61K 39/12	G01N 33/554
(71) Merck Sharp & Dohme LLC	C07K 14/025	(00) Merge
(73) Merck Sharp & Dohme LLC	C12N 15/37	(71) Merck Sharp & Dohme LLC
(11) EP1517879	C12N 15/81	(73) Merck Sharp & Dohme LLC
(00) 22.09.2022	(00) Merge	(11) EP1799672
(51) A01N 33/02	(71) Merck Sharp & Dohme LLC	(00) 22.09.2022
A61K 31/135	(73) Merck Sharp & Dohme LLC	(51) A61K 31/55
C07C 215/50	(11) EP1687329	A61P 25/06
C07C 215/52		



C07D 403/12	(73) Merck Sharp & Dohme LLC	G02F 1/13357
(00) Merge	(11) EP1858520	(00) Assignment
(71) Merck Sharp & Dohme LLC	(00) 22.09.2022	(71) Merck Sharp & Dohme LLC
(73) Merck Sharp & Dohme LLC	(51) A61K 31/517	(73) Merck Sharp & Dohme LLC
(11) EP1797035	A61P 25/18	(11) EP2051963
(00) 22.09.2022	C07D 239/82	(00) 22.09.2022
(51) A61K 31/445	C07D 401/06	(51) C07D 211/22
C07D 211/00	C07D 405/06	(00) Merge
C07D 211/68	(00) Merge	(71) Merck Sharp & Dohme LLC
C07D 211/80	(71) Merck Sharp & Dohme LLC	(73) Merck Sharp & Dohme LLC
C07D 211/96	(73) Merck Sharp & Dohme LLC	(11) EP2089382
C07D 213/02	(11) EP1896421	(00) 22.09.2022
C07D 405/12	(00) 22.09.2022	(51) A61K 31/551
(00) Merge	(51) C07D 221/16	A61P 3/04
(71) Université Grenoble Alpes	C07D 401/04	A61P 25/20
Institut National Polytechnique de Grenoble	C07D 401/12	C07D 401/14
(73) Université Grenoble Alpes	C07D 401/14	C07D 403/14
Institut National Polytechnique de Grenoble	C07D 405/04	C07D 413/14
(11) EP1825312	C07D 405/12	C07D 471/04
(00) 22.09.2022	C07D 405/14	C07D 487/04
(51) G01J 3/26	C07D 409/04	C07D 491/048
G02B 6/42	C07D 413/04	C07D 491/052
(00) Merge	C07D 417/04	C07D 495/04
(71) MSD Italia S.r.l.	C07D 417/14	(00) Merge
Merck Sharp & Dohme LLC	C07D 471/04	(71) Merck Sharp & Dohme LLC
(73) MSD Italia S.r.l.	C07D 487/04	(73) Merck Sharp & Dohme LLC
Merck Sharp & Dohme LLC	C07D 491/10	(11) EP2161996
(11) EP1819700	C07F 7/08	(00) 22.09.2022
(00) 22.09.2022	(00) Merge	(51) A61K 31/437
(51) A61K 31/513	(71) Merck Sharp & Dohme LLC	A61P 25/06
A61P 31/18	(73) Merck Sharp & Dohme LLC	C07D 471/20
C07D 413/12	(11) EP1966151	C07D 519/00
(00) Merge	(00) 22.09.2022	(00) Merge
(71) ISTITUTO DI RICERCHE DI BIOLOGIA MOLECOLARE P. ANGELETTI S.P.A. MERCK SHARP & DOHME LTD. Merck Sharp & Dohme LLC	(51) A61K 31/427	(71) MSD Italia S.r.l.
(73) ISTITUTO DI RICERCHE DI BIOLOGIA MOLECOLARE P. ANGELETTI S.P.A. MERCK SHARP & DOHME LTD. Merck Sharp & Dohme LLC	A61K 31/428	Merck Sharp & Dohme LLC
(11) EP1819683	A61K 31/496	(73) MSD Italia S.r.l.
(00) 22.09.2022	A61K 31/506	Merck Sharp & Dohme LLC
(51) A61K 31/513	A61P 35/00	(11) EP2178902
A61P 31/18	C07D 231/56	(00) 22.09.2022
C07D 239/557	C07D 403/12	(51) A61K 31/00
C07D 413/12	C07D 403/14	A61K 38/00
(00) Merge	C07D 409/12	C07K 5/08
(71) Merck Sharp & Dohme LLC	C07D 413/12	C07K 5/12
(73) Merck Sharp & Dohme LLC	C07D 417/12	(00) Merge
(11) EP1831162	C07D 417/14	(71) ENERGETIQ TECHNOLOGY, INC.
(00) 22.09.2022	(00) Merge	HAMAMATSU PHOTONIC K.K.
(51) C07D 205/08	(71) MT ACQUISITION HOLDINGS LLC	(73) ENERGETIQ TECHNOLOGY, INC.
(00) Merge	(73) MT ACQUISITION HOLDINGS LLC	HAMAMATSU PHOTONIC K.K.
(71) Merck Sharp & Dohme LLC	(11) EP2019657	(11) EP2172962
(73) Merck Sharp & Dohme LLC	(00) 27.09.2022	(00) 22.09.2022
(11) EP1831162	(51) A61L 2/00	(51) G03F 7/20
(00) 22.09.2022	A61L 31/10	H01J 65/04
(51) C07D 205/08	A61L 31/16	H05B 41/00
(00) Merge	B05D 3/00	(00) Assignment
(71) Merck Sharp & Dohme LLC	(00) Assignment	(71) Merck Sharp & Dohme LLC
(73) Merck Sharp & Dohme LLC	(71) Merck Sharp & Dohme LLC	(73) Merck Sharp & Dohme LLC
(11) EP1893608	(73) Merck Sharp & Dohme LLC	(11) EP2240466
(00) 22.09.2022	(11) EP2049494	(00) 22.09.2022
(51) A61K 31/4439	(00) 22.09.2022	(51) A61K 31/454
A61P 25/00	(51) C07D 221/16	A61P 35/00
C07D 417/04	(00) Merge	C07D 401/10
C07D 417/06	(71) LG CHEM, LTD.	(00) Merge
C07D 417/14	(73) LG CHEM, LTD.	(71) Merck Sharp & Dohme LLC
(00) Merge	(11) EP2128664	(73) Merck Sharp & Dohme LLC
(71) Merck Sharp & Dohme LLC	(00) 23.09.2022	(11) EP2231667
	(51) G02B 5/02	(00) 22.09.2022
	G02B 5/30	(51) A61K 31/529

A61K 31/535	A61P 31/14	(71) Pulse Secure, LLC
A61P 31/04	C07K 5/08	(73) Pulse Secure, LLC
C07D 471/08	C07K 5/10	(11) EP2403208
C07D 487/08	C07K 5/12	(00) 14.09.2022
C07D 519/00	(00) Merge	(51) H04L 12/24
(00) Merge	(71) Merck Sharp & Dohme LLC	H04L 12/46
(71) Merck Sharp & Dohme LLC	(73) Merck Sharp & Dohme LLC	H04L 29/06
(73) Merck Sharp & Dohme LLC	(11) EP2379580	(00) Assignment
(11) EP2257539	(00) 22.09.2022	(71) Merck Sharp & Dohme LLC
(00) 22.09.2022	(51) C07K 7/08	(73) Merck Sharp & Dohme LLC
(51) A61K 31/513	(00) Merge	(11) EP1931677
A61P 7/00	(71) MMAG Co., Ltd.	(00) 22.09.2022
C07D 401/04	(73) MMAG Co., Ltd.	(51) A61K 31/519
C07D 401/14	(11) EP2319923	A61P 35/00
C07D 403/04	(00) 23.09.2022	C07D 487/04
C07D 403/14	(51) C12N 1/15	(00) Merge
C07D 405/14	C12N 1/21	(71) Metso Sweden AB
C07D 417/04	C12N 15/09	(73) Metso Sweden AB
C07D 417/14	C12P 17/18	(11) EP2646727
(00) Merge	(00) Demerger	(00) 26.09.2022
(71) Merck Sharp & Dohme LLC	(71) Merck Sharp & Dohme LLC	(51) F16L 9/147
(73) Merck Sharp & Dohme LLC	(73) Merck Sharp & Dohme LLC	F16L 23/024
(11) EP2358717	(11) EP2358371	F16L 57/06
(00) 22.09.2022	(00) 22.09.2022	(00) Change of owner(s) name
(51) A61K 31/4162	(51) A61K 31/505	(71) Merck Sharp & Dohme LLC
A61P 3/10	C07D 401/12	(73) Merck Sharp & Dohme LLC
C07D 487/04	C07D 401/14	(11) EP2638042
(00) Merge	C07D 413/12	(00) 22.09.2022
(71) Merck Sharp & Dohme LLC	C07D 413/14	(51) A61K 31/437
(73) Merck Sharp & Dohme LLC	(00) Merge	A61K 31/519
(11) EP2358686	(71) Merck Sharp & Dohme LLC	A61P 9/08
(00) 22.09.2022	(73) Merck Sharp & Dohme LLC	C07D 471/10
(51) A61K 31/517	(11) EP2311869	(00) Merge
A61P 25/28	(00) 22.09.2022	(71) TFL Ledertechnik GmbH
C07D 239/88	(51) A61K 39/395	(73) TFL Ledertechnik GmbH
C07D 401/06	(00) Merge	(11) EP2694690
C07D 401/14	(71) Pharmacoopia, LLC	(00) 28.09.2022
C07D 403/04	Merck Sharp & Dohme LLC	(51) C07C 381/14
C07D 471/04	(73) Pharmacoopia, LLC	C14C 3/08
(00) Merge	Merck Sharp & Dohme LLC	C14C 3/20
(71) Dovidq Medical Systems B.V.	(11) EP2194058	C14C 3/28
(73) Dovidq Medical Systems B.V.	(00) 22.09.2022	(00) Assignment
(11) EP2390645	(51) A61K 31/519	(71) TFL Ledertechnik GmbH
(00) 30.09.2022	C07D 487/04	(73) TFL Ledertechnik GmbH
(51) G01M 11/00	(00) Merge	(11) EP2694689
G01M 11/02	(71) Merck Sharp & Dohme LLC	(00) 28.09.2022
G01M 11/08	(73) Merck Sharp & Dohme LLC	(51) C07C 381/14
(00) Assignment	(11) EP2473048	C08G 18/28
(71) MSD K.K.	(00) 22.09.2022	C08G 18/34
Merck Sharp & Dohme LLC	(51) A61K 31/517	C08G 18/70
(73) MSD K.K.	A61P 25/28	C08G 18/77
Merck Sharp & Dohme LLC	C07D 401/14	C14C 3/08
(11) EP2303885	C07D 405/04	C14C 3/20
(00) 22.09.2022	C07D 405/14	C14C 3/28
(51) A61K 31/519	C07D 417/14	(00) Assignment
A61P 35/00	C07D 471/04	(71) MSD Italia S.r.l.
C07D 487/04	C07D 491/04	Merck Sharp & Dohme LLC
(00) Merge	(00) Merge	(73) MSD Italia S.r.l.
(71) MSD Italia S.r.l.	(71) Merck Sharp & Dohme LLC	Merck Sharp & Dohme LLC
Merck Sharp & Dohme LLC	(73) Merck Sharp & Dohme LLC	(11) EP2540350
(73) MSD Italia S.r.l.	(11) EP2477628	(00) 22.09.2022
Merck Sharp & Dohme LLC	(00) 22.09.2022	(51) A61K 38/06
(11) EP2310095	(51) A61K 31/497	A61K 38/07
(00) 22.09.2022	A61K 31/675	A61K 38/08
(51) A61K 38/06	A61K 31/70	A61P 31/14
A61K 38/07	C07D 487/04	C07K 5/08
A61K 38/08	(00) Merge	C07K 5/10

C07K 5/12	(00) Merge	(11) EP2631235
(00) Merge	(71) Merck Sharp & Dohme LLC	(00) 23.09.2022
(71) Levidian Nanosystems Limited	(73) Merck Sharp & Dohme LLC	(51) A01N 43/40
(73) Levidian Nanosystems Limited	(11) EP2121716	C07D 401/06
(11) EP2702839	(00) 22.09.2022	(00) Demerger
(00) 03.10.2022	(51) A61K 9/20	(71) Merck Sharp & Dohme LLC
(51) H05H 1/34	A61K 31/335	(73) Merck Sharp & Dohme LLC
(00) Assignment	A61K 47/10	(11) EP2220061
(71) Merck Sharp & Dohme LLC	A61P 1/12	(00) 22.09.2022
(73) Merck Sharp & Dohme LLC	A61P 31/04	(51) A61K 31/433
(11) EP2666774	C07H 17/08	A61P 35/00
(00) 22.09.2022	(00) Merge	C07D 285/14
(51) A61K 31/529	(71) Merck Sharp & Dohme LLC	C07D 515/10
A61K 31/535	(73) Merck Sharp & Dohme LLC	C07D 515/20
A61P 31/04	(11) 300772	(00) Merge
C07D 471/08	(00) 22.09.2022	(71) Merck Sharp & Dohme LLC
C07D 487/08	(00) Merge	(73) Merck Sharp & Dohme LLC
C07D 519/00	(71) Merck Sharp & Dohme LLC	(11) EP2070530
(00) Merge	(73) Merck Sharp & Dohme LLC	(00) 22.09.2022
(71) Merck Sharp & Dohme LLC	(11) 300775	(51) A61K 31/335
(73) Merck Sharp & Dohme LLC	(00) 22.09.2022	A61K 31/365
(11) EP2300481	(00) Merge	A61K 31/7048
(00) 22.09.2022	(71) Merck Sharp & Dohme LLC	A61K 45/06
(51) A61K 31/4353	(73) Merck Sharp & Dohme LLC	A61P 1/12
A61P 25/28	(11) 300776	(00) Merge
C07D 498/04	(00) 22.09.2022	(71) Merck Sharp & Dohme LLC
C07D 519/00	(00) Merge	(73) Merck Sharp & Dohme LLC
(00) Merge	(71) Merck Sharp & Dohme LLC	(11) EP2748151
(71) Merck Sharp & Dohme LLC	(73) Merck Sharp & Dohme LLC	(00) 22.09.2022
(73) Merck Sharp & Dohme LLC	(11) 300777	(51) A61K 31/506
(11) EP2260031	(00) 22.09.2022	A61P 25/18
(00) 22.09.2022	(00) Merge	C07D 401/12
(51) A61K 31/435	(71) Merck Sharp & Dohme LLC	C07D 401/14
C07D 403/14	(73) Merck Sharp & Dohme LLC	C07D 405/14
(00) Merge	(11) EP2485736	C07D 417/14
(71) Dermalig Therapeutics, Inc.	(00) 22.09.2022	C07D 487/04
(73) Dermalig Therapeutics, Inc.	(51) A61K 31/54	(00) Merge
(11) EP2714008	C07B 59/00	(71) Merck Sharp & Dohme LLC
(00) 30.09.2022	C07D 285/18	(73) Merck Sharp & Dohme LLC
(51) A61K 9/08	C07D 401/12	(11) EP2410844
A61K 31/436	C07D 401/14	(00) 22.09.2022
A61K 31/4412	C07D 403/04	(51) A01K 31/16
A61K 47/10	C07D 403/12	A61K 31/404
A61K 47/24	C07D 417/04	A61K 31/438
A61P 17/06	C07D 417/12	A61P 31/00
A61P 31/10	C07D 417/14	C07D 401/14
(00) Assignment	C07D 471/04	C07D 403/14
(71) Merck Sharp & Dohme LLC	C07D 495/04	C07D 405/14
(73) Merck Sharp & Dohme LLC	(00) Merge	C07D 409/14
(11) EP2215048	(71) ZEON Corporation	C07D 413/14
(00) 22.09.2022	(73) ZEON Corporation	C07D 471/04
(51) C07D 261/04	(11) EP1751778	C07D 487/04
C07D 261/08	(00) 27.09.2022	C07D 498/04
C07D 261/20	(51) H01C 1/00	(00) Merge
C07D 263/32	H01L 51/00	(71) A.P.I. ITALIA S.R.L.
C07D 413/04	(00) Assignment	(73) A.P.I. ITALIA S.R.L.
C07D 413/12	(71) Stichting Radboud universitair medisch centrum	(11) EP2817467
C07D 413/14	(73) Stichting Radboud universitair medisch centrum	(00) 15.09.2022
C07D 417/14	(11) EP2652142	(51) E04H 4/00
C07D 487/04	(00) 27.09.2022	(00) Merge
(00) Merge	(51) C12Q 1/56	(71) Lawrence Livermore National Security, LLC
(71) Merck Sharp & Dohme LLC	C12Q 1/66	Merck Sharp & Dohme LLC
(73) Merck Sharp & Dohme LLC	(00) Assignment	(73) Lawrence Livermore National Security, LLC
(11) EP2222309	(71) MMAG Co., Ltd.	Merck Sharp & Dohme LLC
(00) 22.09.2022	(73) MMAG Co., Ltd.	(11) EP2686320
(51) A61K 31/7048		
A61P 31/04		

(00) 22.09.2022	(00) Merge	Chiralix B.V.
(51) A61K 31/495	(71) Merck Sharp & Dohme LLC	(73) Stichting Radboud universitair medisch centrum
A61P 31/04	(73) Merck Sharp & Dohme LLC	(11) EP2652142
C07D 487/04	(11) EP2305244	(00) 27.09.2022
C07D 487/14	(00) 22.09.2022	(51) C12Q 1/56
(00) Merge	(51) A61K 31/335	C12Q 1/66
(71) MMAG Co., Ltd.	A61K 31/365	(00) Change of owner(s) name
(73) MMAG Co., Ltd.	A61K 31/7048	(71) Dermalig Therapeutics, Inc.
(11) EP2731435	A61K 45/06	(73) Dermalig Therapeutics, Inc.
(00) 23.09.2022	A61P 1/12	(11) EP2714010
(51) C07K 14/36	(00) Merge	(00) 30.09.2022
C12N 15/52	(71) Merck Canada Inc.	(51) A61K 9/00
C12N 15/63	Merck Sharp & Dohme LLC	A61K 9/107
C12N 15/76	(73) Merck Canada Inc.	A61K 31/436
C12P 17/16	Merck Sharp & Dohme LLC	A61K 31/573
C12Q 1/68	(11) EP2513098	A61K 47/06
C12N 15/113	(00) 22.09.2022	A61K 47/24
(00) Demerger	(51) A61K 31/497	A61P 17/06
(71) MMAG Co., Ltd.	A61P 11/00	A61P 17/10
(73) MMAG Co., Ltd.	A61P 11/06	A61P 17/12
(11) EP2633756	A61P 29/00	A61P 17/14
(00) 23.09.2022	A61P 35/00	A61P 31/04
(51) A01N 31/14	C07D 417/12	A61P 31/10
A01N 37/50	C07D 417/14	(00) Assignment
A01N 43/22	(00) Merge	(71) ZEON Corporation
A01N 43/40	(71) MSD Italia S.r.l.	(73) ZEON Corporation
A01N 43/42	Merck Sharp & Dohme LLC	(11) EP2534181
A01N 43/52	(73) MSD Italia S.r.l.	(00) 27.09.2022
A01N 43/707	Merck Sharp & Dohme LLC	(51) B82Y 30/00
A01N 43/76	(11) 300857	C08F 2/08
A01N 43/80	(00) 22.09.2022	G11C 13/02
A01N 43/82	(00) Merge	(00) Assignment
A01N 43/90	(71) Merck Sharp & Dohme LLC	(71) TFL Ledertechnik GmbH
A01N 47/02	(73) Merck Sharp & Dohme LLC	(73) TFL Ledertechnik GmbH
A01N 47/40	(11) 300858	(11) EP2714756
A01N 53/00	(00) 22.09.2022	(00) 28.09.2022
A01N 55/00	(00) Merge	(51) C08F 251/00
A01P 7/00	(71) Merck Sharp & Dohme LLC	C08F 289/00
C07D 213/75	(73) Merck Sharp & Dohme LLC	C14C 3/08
C07D 213/76	(11) EP1931710	C14C 3/22
C07D 401/06	(00) 22.09.2022	(00) Assignment
C07D 417/06	(51) A61K 39/395	(71) Merck Sharp & Dohme LLC
(00) Demerger	A61P 35/00	(73) Merck Sharp & Dohme LLC
(71) Alectos Therapeutics Inc.	A61P 37/00	(11) EP2753364
Merck Sharp & Dohme LLC	C07K 16/24	(00) 22.09.2022
(73) Alectos Therapeutics Inc.	C12N 15/13	(51) A61K 48/00
Merck Sharp & Dohme LLC	(00) Merge	C07H 21/04
(11) EP2637503	(71) ENERGETIQ TECHNOLOGY, INC.	(00) Merge
(00) 22.09.2022	HAMAMATSU PHOTONIC K.K.	(71) Merck Sharp & Dohme LLC
(51) A61K 31/7056	(73) ENERGETIQ TECHNOLOGY, INC.	(73) Merck Sharp & Dohme LLC
C07D 513/04	HAMAMATSU PHOTONIC K.K.	(11) EP2758389
C07H 9/06	(11) EP2202780	(00) 22.09.2022
(00) Merge	(00) 22.09.2022	(51) A61K 31/4155
(71) MMAG Co., Ltd.	(51) G03F 7/20	A61K 31/4439
(73) MMAG Co., Ltd.	H01J 61/02	A61K 31/541
(11) EP2542555	H01J 61/54	A61P 11/00
(00) 23.09.2022	H01J 65/04	A61P 29/00
(51) C07D 493/04	(00) Assignment	A61P 35/00
(00) Demerger	(71) Stichting Radboud Universiteit	C07D 401/04
(71) Merck Sharp & Dohme LLC	(73) Stichting Radboud universitair medisch centrum	C07D 401/14
(73) Merck Sharp & Dohme LLC	(11) EP2652142	C07D 405/04
(11) EP2821407	(00) 27.09.2022	C07D 405/14
(00) 22.09.2022	(51) C12Q 1/56	C07D 409/04
(51) A61K 31/437	C12Q 1/66	C07D 409/14
A61K 31/519	(00) Assignment	C07D 413/14
A61P 9/08	(71) Stichting Radboud Universiteit	C07D 417/14
C07D 471/10		

(00) Merge	A61K 45/06	(73) Merck Sharp & Dohme LLC
(71) SUNRGYZE, S.L.	C07D 401/12	(11) EP2125850
(73) SUNRGYZE, S.L.	C07D 413/12	(00) 22.09.2022
(11) EP3234224	C07D 413/14	(51) C07D 407/14
(00) 28.09.2022	C07D 495/04	(00) Merge
(51) C25B 1/00	(00) Merge	(71) Tanmia for oil and construction Ltd. WLL.
C25B 9/00	(71) Niko NV	(73) Tanmia for oil and construction Ltd. WLL.
C25B 9/20	(73) Niko NV	(11) 2022499
(00) Assignment	(11) EP3185652	(00) 03.10.2022
(71) Merck Sharp & Dohme LLC	(00) 22.09.2022	(51) B29C 63/10
(73) Merck Sharp & Dohme LLC	(51) H05B 37/02	B29C 65/00
(11) EP2903977	(00) Assignment	F16L 9/00
(00) 22.09.2022	(71) Merck Sharp & Dohme LLC	F16L 9/16
(51) A61K 31/513	(73) Merck Sharp & Dohme LLC	F16L 11/08
A61P 31/18	(11) EP2945632	F16L 58/10
C07D 239/52	(00) 22.09.2022	F16L 58/16
C07D 239/54	(51) A61K 31/4985	(00) Change of owner(s) name
C07D 239/56	A61K 31/519	(71) MT ACQUISITION HOLDINGS LLC
C07D 401/14	A61P 25/16	(73) MT ACQUISITION HOLDINGS LLC
C07D 403/06	C07D 487/04	(11) EP1909973
C07D 403/14	(00) Merge	(00) 27.09.2022
C07D 471/04	(71) P&R Medical BV	(51) A61L 2/00
(00) Merge	(73) P&R Medical BV	A61L 31/10
(71) Merck Sharp & Dohme LLC	(11) EP2731663	A61L 31/16
(73) Merck Sharp & Dohme LLC	(00) 23.09.2022	B05D 3/00
(11) EP2925888	(51) A61M 5/00	(00) Assignment
(00) 22.09.2022	A61M 39/10	(71) Merck Sharp & Dohme LLC
(51) A61K 31/519	A61M 39/24	(73) Merck Sharp & Dohme LLC
A61P 35/00	A61M 39/26	(11) EP2831282
C12Q 1/68	A61M 39/28	(00) 22.09.2022
(00) Merge	(00) Assignment	(51) C12Q 1/68
(71) Merck Sharp & Dohme LLC	(71) Merck Sharp & Dohme LLC	(00) Merge
(73) Merck Sharp & Dohme LLC	(73) Merck Sharp & Dohme LLC	(71) Merck Sharp & Dohme LLC
(11) EP2475388	(11) EP2928865	(73) Merck Sharp & Dohme LLC
(00) 22.09.2022	(00) 22.09.2022	(11) EP2057166
(51) A61K 31/7088	(51) C07D 211/02	(00) 22.09.2022
A61K 38/16	(00) Merge	(51) C07D 487/04
A61K 39/395	(71) Merck Sharp & Dohme LLC	(00) Merge
A61P 17/00	(73) Merck Sharp & Dohme LLC	(71) Stichting Radboud Universiteit
(00) Merge	(11) 300938	(73) Stichting Radboud universitair medisch centrum
(71) Merck Sharp & Dohme LLC	(00) 22.09.2022	(11) EP3228714
(73) Merck Sharp & Dohme LLC	(00) Merge	(00) 27.09.2022
(11) EP2677869	(71) Merck Sharp & Dohme LLC	(51) C12Q 1/56
(00) 22.09.2022	(73) Merck Sharp & Dohme LLC	C12Q 1/66
(51) A01N 43/58	(11) EP2691112	(00) Change of owner(s) name
(00) Merge	(00) 22.09.2022	(71) DAIICHI KIGENSO KAGAKU KOGYO CO., LTD.
(71) Stichting Radboud Universiteit	(51) A61P 31/00	(73) DAIICHI KIGENSO KAGAKU KOGYO CO., LTD.
(73) Stichting Radboud universitair medisch centrum	A61K 39/395	(11) EP2646370
(11) 2021401	A61K 9/19	(00) 30.09.2022
(00) 27.09.2022	A61K 9/00	(51) B01J 21/06
(51) A61M 1/10	A61K 47/18	B01J 23/00
A61M 1/12	A61K 47/26	B01J 23/10
(00) Change of owner(s) name	A61P 31/12	B01J 23/36
(71) MS Holding B.V.	A61P 35/00	B01J 23/48
(73) MS Holding B.V.	C07K 16/28	B01J 35/10
(11) 2019570	A61K 39/00	C01F 17/00
(00) 27.09.2022	(00) Merge	C01G 25/02
(51) B21D 19/00	(71) Stichting Radboud universitair medisch centrum	(00) Assignment
(00) Assignment	(73) Stichting Radboud universitair medisch centrum	(71) HENKEL AG & CO. KGAA
(71) Merck Sharp & Dohme LLC	(11) 2021401	(73) HENKEL AG & CO. KGAA
(73) Merck Sharp & Dohme LLC	(00) 27.09.2022	(11) EP2516104
(11) EP2411001	(51) A61M 1/10	(00) 27.09.2022
(00) 22.09.2022	A61M 1/12	(51) B23K 35/26
(51) A61K 31/16	(00) Assignment	B23K 35/36
A61K 31/405	(71) Merck Sharp & Dohme LLC	
A61K 31/415		

B23K 35/362	(51) A61K 31/519	(73) Stichting Radboud universitair medisch centrum
(00) Assignment	A61P 35/00	(11) EP3082631
(71) Trinseo Europe GmbH	C07D 487/04	(00) 27.09.2022
(73) Trinseo Europe GmbH	(00) Merge	(51) A61B 17/72
(11) 2023107	(71) Merck Sharp & Dohme LLC	A61B 17/86
(00) 29.09.2022	(73) Merck Sharp & Dohme LLC	(00) Assignment
(51) B29C 39/10	(11) EP1456377	(71) Stichting Radboud Universiteit
B29C 39/26	(00) 22.09.2022	(73) Stichting Radboud universitair medisch centrum
(00) Assignment	(51) A61K 9/00	(11) EP3082631
(71) MT ACQUISITION HOLDINGS LLC	A61K 9/19	(00) 27.09.2022
(73) MT ACQUISITION HOLDINGS LLC	A61K 31/70	(51) A61B 17/72
(11) EP2313122	A61K 31/7028	A61B 17/86
(00) 27.09.2022	A61K 31/704	(00) Change of owner(s) name
(51) A61L 17/00	A61K 38/21	(71) HENKEL AG & CO. KGAA
A61L 17/14	A61K 47/12	(73) HENKEL AG & CO. KGAA
A61L 27/34	A61K 47/26	(11) EP2753442
A61L 27/50	A61K 48/00	(00) 27.09.2022
A61L 27/54	C07J 41/00	(51) B22F 1/02
A61L 29/08	C12N 15/86	B23K 35/36
A61L 29/14	A61K 47/10	B23K 35/365
A61L 29/16	A61K 47/18	C07C 255/17
A61L 31/10	(00) Merge	C08L 33/20
A61L 31/14	(71) MMAG Co., Ltd.	H05K 3/34
A61L 31/16	(73) MMAG Co., Ltd.	(00) Assignment
A61L 33/00	(11) EP2984930	(71) Merck Sharp & Dohme LLC
(00) Assignment	(00) 23.09.2022	(73) Merck Sharp & Dohme LLC
(71) MT ACQUISITION HOLDINGS LLC	(51) A01N 43/40	(11) EP3023438
(73) MT ACQUISITION HOLDINGS LLC	(00) Demerger	(00) 22.09.2022
(11) EP2696815	(71) ZEON Corporation	(51) A61K 39/395
(00) 27.09.2022	(73) ZEON Corporation	A61P 35/00
(51) A61L 31/10	(11) EP1751333	C07K 16/28
A61L 31/16	(00) 27.09.2022	(00) Merge
(00) Assignment	(51) B82Y 10/00	(71) Merck Sharp & Dohme LLC
(71) Stichting Radboud Universiteit	B82Y 30/00	(73) Merck Sharp & Dohme LLC
(73) Stichting Radboud universitair medisch centrum	B82Y 40/00	(11) EP2900240
(11) EP3160528	C08K 3/04	(00) 22.09.2022
(00) 27.09.2022	C09C 1/48	(51) A61K 31/4439
(51) A61B 17/34	C09C 1/56	C07D 401/06
A61M 1/10	H01L 51/00	(00) Merge
A61M 1/12	C01B 32/152	(71) Merck Sharp & Dohme LLC
(00) Change of owner(s) name	C01B 32/168	(73) Merck Sharp & Dohme LLC
(71) Stichting Radboud universitair medisch centrum	C01B 32/17	(11) EP3165220
(73) Stichting Radboud universitair medisch centrum	C09D 7/40	(00) 22.09.2022
(11) EP3160528	(00) Assignment	(51) A61K 9/20
(00) 27.09.2022	(71) Merck Sharp & Dohme LLC	A61K 9/48
(51) A61B 17/34	(73) Merck Sharp & Dohme LLC	A61K 31/513
A61M 1/10	(11) EP3068768	(00) Merge
A61M 1/12	(00) 22.09.2022	(71) Merck Sharp & Dohme LLC
(00) Assignment	(51) A61K 31/435	(73) Merck Sharp & Dohme LLC
(71) Stichting Radboud universitair medisch centrum	A61P 3/10	(11) EP3394067
(73) Stichting Radboud universitair medisch centrum	C07D 221/16	(00) 22.09.2022
(11) EP3228714	C07D 401/12	(51) A61K 31/519
(00) 27.09.2022	C07D 487/04	A61P 9/00
(51) A61B 17/34	C07D 487/10	A61P 9/04
A61M 1/10	(00) Merge	A61P 9/10
A61M 1/12	(71) Merck Sharp & Dohme LLC	A61P 9/12
(00) Assignment	(73) Merck Sharp & Dohme LLC	C07D 487/04
(71) Stichting Radboud universitair medisch centrum	(11) EP2305245	C07D 519/00
(73) Stichting Radboud universitair medisch centrum	(00) 22.09.2022	(00) Merge
(11) EP3228714	(51) A61K 31/335	(71) Merck Sharp & Dohme LLC
(00) 27.09.2022	A61K 31/365	(73) Merck Sharp & Dohme LLC
(51) C12Q 1/56	A61K 31/7048	(11) EP2496707
C12Q 1/66	A61K 45/06	(00) 22.09.2022
(00) Assignment	A61P 1/12	(51) A61K 39/00
(71) MSD K.K.	(00) Merge	C07K 16/24
Merck Sharp & Dohme LLC	(71) Stichting Radboud universitair medisch centrum	
(73) MSD K.K.		
Merck Sharp & Dohme LLC		
(11) EP2155752		
(00) 22.09.2022		

(00) Merge	(11) EP2200468	C12N 7/00
(71) Merck Sharp & Dohme LLC	(00) 28.09.2022	C12N 15/00
(73) Merck Sharp & Dohme LLC	(51) A43B 13/12	A61K 47/18
(11) EP3043797	A43B 13/14	(00) Merge
(00) 22.09.2022	A43B 13/20	(71) TFL Ledertechnik GmbH
(51) A61K 9/19	A61F 5/14	(73) TFL Ledertechnik GmbH
A61K 31/431	(00) Change of owner(s) name	(11) EP3555322
A61K 31/546	(71) Merck Sharp & Dohme LLC	(00) 28.09.2022
A61P 31/00	(73) Merck Sharp & Dohme LLC	(51) C08F 2/06
A61P 43/00	(11) EP2435048	C08F 220/12
(00) Merge	(00) 22.09.2022	C08F 220/18
(71) Merck Sharp & Dohme LLC	(51) A61K 31/522	C14C 3/06
(73) Merck Sharp & Dohme LLC	A61K 51/04	C14C 3/10
(11) EP2782594	C07B 59/00	C14C 3/18
(00) 22.09.2022	C07D 239/74	C14C 3/22
(51) A61K 39/00	C07D 403/06	C14C 3/28
(00) Merge	C07D 403/14	C14C 9/00
(71) SUNRGYZE, S.L.	C07D 413/14	(00) Assignment
(73) SUNRGYZE, S.L.	(00) Merge	(71) Trinseo Europe GmbH
(11) EP3184670	(71) Merck Sharp & Dohme LLC	(73) Trinseo Europe GmbH
(00) 28.09.2022	(73) Merck Sharp & Dohme LLC	(11) 2026861
(51) C25B 1/00	(11) EP2887807	(00) 29.09.2022
C25B 9/20	(00) 22.09.2022	(51) B29C 33/00
H01L 31/068	(51) A61K 31/4184	B29C 39/06
(00) Assignment	A61P 3/10	B29C 39/26
(71) Stichting Radboud Universiteit	C07D 493/04	B29C 39/32
(73) Stichting Radboud universitair medisch centrum	(00) Merge	(00) Assignment
(11) EP3387011	(71) HENKEL AG & CO. KGAA	(71) Merck Sharp & Dohme LLC
(00) 27.09.2022	(73) HENKEL AG & CO. KGAA	(73) Merck Sharp & Dohme LLC
(51) C07K 14/705	(11) EP2605875	(11) EP3548493
C12N 5/071	(00) 27.09.2022	(00) 22.09.2022
(00) Change of owner(s) name	(51) B22F 1/00	(51) A61K 31/424
(71) Merck Sharp & Dohme LLC	B22F 1/02	A61K 31/4985
(73) Merck Sharp & Dohme LLC	B23K 35/26	A61K 31/5365
(11) EP3251700	B23K 35/30	A61P 31/18
(00) 22.09.2022	B23K 35/36	C07D 487/16
(51) A61K 39/12	B23K 35/365	C07D 498/16
A61K 48/00	(00) Assignment	(00) Merge
C07H 21/04	(71) Merck Sharp & Dohme LLC	(71) Stichting Chip Integration Technology Centre
(00) Merge	(73) Merck Sharp & Dohme LLC	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO
(71) Stichting Radboud universitair medisch centrum	(11) EP2586444	(73) Stichting Chip Integration Technology Centre
(73) Stichting Radboud universitair medisch centrum	(00) 22.09.2022	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO
(11) EP3387011	(51) A61K 9/20	(11) 2027068
(00) 27.09.2022	A61K 31/513	(00) 28.09.2022
(51) C07K 14/705	A61K 31/517	(51) H01L 21/603
C12N 5/071	A61P 31/18	H01L 21/60
(00) Assignment	(00) Merge	H01L 23/488
(71) BEIJING IRTOUCHSYSTEMS CO., LTD.	(71) Merck Sharp & Dohme LLC	(00) Assignment
(73) BEIJING IRTOUCHSYSTEMS CO., LTD.	(73) Merck Sharp & Dohme LLC	(71) Merck Sharp & Dohme LLC
(11) EP2515216	(11) EP3077376	(73) Merck Sharp & Dohme LLC
(00) 23.09.2022	(00) 22.09.2022	(11) EP3154970
(51) G06F 3/042	(51) C07D 213/12	(00) 22.09.2022
(00) Assignment	C07D 213/69	(51) C07D 471/04
(71) Merck Sharp & Dohme LLC	C07D 213/78	(00) Merge
(73) Merck Sharp & Dohme LLC	C07D 401/06	(71) BEIJING IRTOUCHSYSTEMS CO., LTD.
(11) 301051	(00) Merge	(73) BEIJING IRTOUCHSYSTEMS CO., LTD.
(00) 22.09.2022	(71) Merck Sharp & Dohme LLC	(11) EP2597552
(00) Merge	(73) Merck Sharp & Dohme LLC	(00) 23.09.2022
(71) Merck Sharp & Dohme LLC	(11) EP2723371	(51) G06F 3/041
(11) 301052	(00) 22.09.2022	
(00) 22.09.2022	(51) A61K 9/00	
(00) Merge	A61K 9/19	
(71) Compedica Holdings Limited	A61K 39/00	
(73) Compedica Holdings Limited	A61K 39/12	
	A61K 39/39	
	A61K 47/02	
	A61K 47/26	

G06F 3/042	C07D 233/64	A61K 31/436
(00) Assignment	C07D 413/04	A61K 31/573
(71) Merck Sharp & Dohme LLC	C07D 413/06	A61K 47/06
(73) Merck Sharp & Dohme LLC	C07D 413/10	A61P 17/06
(11) EP3295942	C07D 417/04	A61P 17/10
(00) 22.09.2022	C07D 249/06	A61P 17/12
(51) A61K 31/513	C07D 249/08	A61P 17/14
A61K 45/06	C07D 261/08	A61P 31/04
C07D 239/52	C07D 263/32	A61P 31/10
C07D 239/54	C07D 271/06	(00) Assignment
C07D 239/56	C07D 495/04	(71) Compedica Holdings Limited
C07D 401/14	C07D 277/26	(73) Compedica Holdings Limited
C07D 403/06	C07D 285/08	(11) EP2675315
C07D 403/14	C07D 285/12	(00) 28.09.2022
C07D 405/14	(00) Merge	(51) A43B 3/00
C07D 471/04	(71) Merck Sharp & Dohme LLC	A43B 7/14
(00) Merge	(73) Merck Sharp & Dohme LLC	(00) Change of owner(s) name
(71) Compedica Holdings Limited	(11) EP3122752	(71) Merck Sharp & Dohme LLC
(73) Compedica Holdings Limited	(00) 22.09.2022	(73) Merck Sharp & Dohme LLC
(11) EP3154500	(51) C07D 487/04	(11) EP2825536
(00) 28.09.2022	C07H 19/06	(00) 22.09.2022
(51) A61F 5/01	C07H 19/14	(51) B01J 31/02
A61F 5/34	A61K 31/7064	C07D 453/04
A61H 9/00	A61K 31/7076	(00) Merge
(00) Change of owner(s) name	A61P 1/16	(71) Merck Sharp & Dohme LLC
(71) Merck Sharp & Dohme LLC	(00) Merge	(73) Merck Sharp & Dohme LLC
(73) Merck Sharp & Dohme LLC	(71) Merck Sharp & Dohme LLC	(11) 301050
(11) EP3034080	(73) Merck Sharp & Dohme LLC	(00) 22.09.2022
(00) 22.09.2022	(11) EP3391890	(00) Merge
(51) A61K 31/54	(00) 22.09.2022	(71) Merck Sharp & Dohme LLC
C07B 59/00	(51) A61K 31/715	(73) Merck Sharp & Dohme LLC
C07D 285/18	A61K 31/497	(11) EP3227306
C07D 401/12	A61P 31/00	(00) 22.09.2022
C07D 401/14	A61P 31/10	(51) C07D 471/08
C07D 403/04	A61K 31/496	C07F 7/10
C07D 403/12	A61K 9/00	C07F 7/18
C07D 417/04	A61K 31/724	(00) Merge
C07D 417/12	A61K 47/40	(71) Merck Sharp & Dohme LLC
C07D 417/14	A61P 3/06	(73) Merck Sharp & Dohme LLC
C07D 471/04	A61P 7/02	(11) EP3656384
C07D 495/04	A61P 31/04	(00) 22.09.2022
(00) Merge	A61P 33/00	(51) A61K 31/513
(71) Merck Sharp & Dohme LLC	A61P 33/02	A61P 31/18
(73) Merck Sharp & Dohme LLC	A61P 35/00	(00) Merge
(11) EP2516624	A61P 35/02	(71) Merck Sharp & Dohme LLC
(00) 22.09.2022	A61P 35/04	(73) Merck Sharp & Dohme LLC
(51) C07K 16/22	A61P 37/06	(11) EP3110509
C07K 16/24	A61P 7/04	(00) 22.09.2022
C12N 5/071	A61P 31/08	(51) A61K 31/496
(00) Merge	A61P 31/18	A61K 31/519
(71) MSD R&D (China) Co., Ltd.	(00) Merge	A61K 45/06
Merck Sharp & Dohme LLC	(71) ESTETRA SRL	A61P 35/02
(73) MSD R&D (China) Co., Ltd.	(73) ESTETRA SRL	(00) Merge
Merck Sharp & Dohme LLC	(11) EP3310333	(71) Merck Sharp & Dohme LLC
(11) EP3394061	(00) 03.10.2022	(73) Merck Sharp & Dohme LLC
(00) 22.09.2022	(51) A61K 9/20	(11) EP3412678
(51) A61K 31/437	A61K 31/565	(00) 22.09.2022
A61P 25/00	A61P 5/00	(51) A61K 31/7048
C07D 471/04	A61P 15/18	A61P 31/04
C07D 519/00	(00) Change of Legal Entity	C07H 17/08
C07F 9/22	(71) DermalIQ Therapeutics, Inc.	(00) Merge
(00) Merge	(73) DermalIQ Therapeutics, Inc.	(71) Merck Sharp & Dohme LLC
(71) Merck Sharp & Dohme LLC	(11) EP3192501	(73) Merck Sharp & Dohme LLC
(73) Merck Sharp & Dohme LLC	(00) 30.09.2022	(11) EP3125894
(11) EP3433234	(51) A61K 9/00	(00) 22.09.2022
(00) 22.09.2022	A61K 9/08	(51) A61K 31/501
(51) C07D 231/12	A61K 9/107	A61K 31/506
	A61K 31/355	



A61K 31/513	C07D 417/06	C07D 491/18
A61K 45/06	C07D 417/14	(00) Merge
A61P 31/18	(00) Merge	(71) ING corporation, spol. s.r.o.
C07D 403/06	(71) Merck Sharp & Dohme LLC	(73) ING corporation, spol. s.r.o.
(00) Merge	(73) Merck Sharp & Dohme LLC	(11) EP3334393
(71) PanelSemi Corporation	(11) EP3283882	(00) 22.09.2022
(73) PanelSemi Corporation	(00) 22.09.2022	(51) A61F 5/058
(11) EP3588478	(51) G01N 33/543	A61F 5/37
(00) 30.09.2022	G01N 33/566	(00) Assignment
(51) H05K 1/14	G01N 33/574	(71) Levidian Nanosystems Limited
H05K 1/18	G01N 33/68	(73) Levidian Nanosystems Limited
H05K 3/12	(00) Merge	(11) EP2606003
H01L 25/16	(71) Merck Sharp & Dohme LLC	(00) 03.10.2022
G09G 3/20	(73) Merck Sharp & Dohme LLC	(51) C01B 3/24
G09G 3/32	(11) EP3182999	C01B 3/28
H01L 25/075	(00) 22.09.2022	H01J 37/32
(00) Assignment	(51) A61K 39/00	H05H 1/46
(71) Merck Sharp & Dohme LLC	A61K 39/395	(00) Assignment
(73) Merck Sharp & Dohme LLC	A61P 31/00	(71) Merck Sharp & Dohme LLC
(11) EP2935329	A61P 35/00	(73) Merck Sharp & Dohme LLC
(00) 22.09.2022	A61P 35/02	(11) EP3523287
(51) C07K 16/28	A61P 37/02	(00) 22.09.2022
G01N 33/574	A61P 37/04	(51) C07D 333/60
G01N 33/577	A61P 43/00	C07D 409/12
(00) Merge	C07K 16/28	C07D 498/04
(71) Merck Sharp & Dohme LLC	(00) Merge	A61K 31/381
(73) Merck Sharp & Dohme LLC	(71) Merck Sharp & Dohme LLC	A61K 31/385
(11) EP3035964	(73) Merck Sharp & Dohme LLC	A61K 31/424
(00) 22.09.2022	(11) EP3221448	A61P 35/00
(51) A01N 43/90	(00) 22.09.2022	(00) Merge
A61K 39/395	(51) A61K 38/48	(71) Merck Sharp & Dohme LLC
C07K 14/475	C12N 9/76	(73) Merck Sharp & Dohme LLC
C07K 16/00	C12R 1/19	(11) EP3383397
(00) Merge	(00) Merge	(00) 22.09.2022
(71) PanelSemi Corporation	(71) Avery Dennison Corporation	(51) A61K 9/24
(73) PanelSemi Corporation	(73) Avery Dennison Corporation	A61K 9/14
(11) EP3503182	(11) EP2773988	A61K 31/4412
(00) 30.09.2022	(00) 27.09.2022	A61K 31/513
(51) H01L 25/075	(51) G02B 5/124	A61K 31/683
H01L 27/12	(00) Assignment	A61P 31/18
H01L 33/00	(71) Merck Sharp & Dohme LLC	A61K 9/16
H01L 21/48	(73) Merck Sharp & Dohme LLC	(00) Merge
H01L 23/538	(11) EP3313832	(71) Merck Sharp & Dohme LLC
H01L 33/52	(00) 22.09.2022	(73) Merck Sharp & Dohme LLC
H01L 25/16	(51) A61K 31/41	(11) EP2493312
H01L 23/00	A61K 31/4184	(00) 22.09.2022
H01L 33/62	A61K 31/428	(51) A61K 9/20
(00) Assignment	A61K 31/4439	A61K 31/513
(71) Merck Sharp & Dohme LLC	A61P 31/04	A61K 45/06
(73) Merck Sharp & Dohme LLC	C07D 401/10	A61K 9/24
(11) EP3036256	C07D 403/10	A61P 31/18
(00) 22.09.2022	C07D 403/12	A61K 31/506
(51) A61K 39/395	C07D 403/14	A61P 43/00
A61P 35/00	C07D 407/14	(00) Merge
C07K 16/28	C07D 413/10	(71) Saudi Arabian Oil Company
(00) Merge	C07D 413/14	JGC Catalysts And Chemicals Ltd.
(71) Alectos Therapeutics Inc.	C07D 417/10	Japan Cooperation Center, Petroleum
Merck Sharp & Dohme LLC	C07D 417/14	(73) Saudi Arabian Oil Company
(73) Alectos Therapeutics Inc.	C07D 471/04	JGC Catalysts And Chemicals Ltd.
Merck Sharp & Dohme LLC	(00) Merge	Japan Cooperation Center, Petroleum
(11) EP3389658	(71) Merck Sharp & Dohme LLC	(11) EP3743488
(00) 22.09.2022	(73) Merck Sharp & Dohme LLC	(00) 14.09.2022
(51) A61K 31/454	(11) EP3519416	(51) C10G 35/06
A61P 25/16	(00) 22.09.2022	B01J 29/08
A61P 25/18	(51) A61K 31/436	B01J 37/00
A61P 25/28	A61P 25/00	B01J 29/89
A61P 35/00	C07D 491/04	(00) Assignment

(71) Fixeau B.V.  
(73) Fixeau B.V.  
(11) EP3688233  
(00) 28.09.2022  
(51) E02D 1/02  
E21B 43/12  
(00) Assignment

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**TVH**

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

**UP1**

**Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.  
Contains data concerning European patents with registered Unitary Effect.**

## **UP2**

**Bevat gegevens over Europese octrooien met geregistreerd verzoek ex. artikel 52a (herstel recht op validatie).**

**Contains data concerning European patents with registered request ex article 52a (restoration of validation right).**

### **UP3**

**Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en complete validatie.**

**Contains data concerning European patents with accepted ex article 52a (restoration of validation right) and validation completed.**

#### **UP4**

**Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en geen complete validatie.**

**Contains data concerning European patents with accepted request ex article 52a (restoration of validation right) and incomplete validation.**

## **UP5**

**Bevat gegevens over Europese octrooien met afgewezen verzoek ex. artikel 52a (herstel recht op validatie).**

**Contains data concerning European patents with rejected request ex article 52a (restoration of validation right).**



**UP6**

**Bevat gegevens over Europese octrooien met ingetrokken verzoek ex. artikel 52a (herstel recht op validatie).**

**Contains data concerning European patents with withdrawn request ex article 52a (restoration of validation right).**