



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

Abonnementsprijzen per (kalender)jaar:

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

Bezoekadres: **Octrooicentrum Nederland**

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadres

Postbus 10366

2501 HJ Den Haag

Telefoon: 088-0426656

Bankrekeningnummer:

Voor taksen en depotrekeningen:

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Introduction

Patent Bulletin

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

Official Journal

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

Subscription rates per calendar year:

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Visiting address: **Netherlands Patent Office**

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadress

Post Office Box: 10366

2501 HJ Den Haag

Telephone: +31(0)88 0426656

Account:

Fees, deposit accounts:

ING 0705001296

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Rubriek NP2 Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	8	Heading NP2 Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	8
Rubriek NP3 Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	9	Heading NP3 Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	9
Rubriek EP1 Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	10	Heading EP1 Contains data concerning translations of the conclusions of European patent applications.	10
Rubriek EP2 Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	11	Heading EP2 Contains data concerning European patents granted for The Netherlands.	11
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Europese octrooien waarvoor een gewijzigde vertaling is ingediend.

The Netherlands in which an amended translation was filed.

Rubriek SPC

Bevat gegevens betreffende ingeschreven en verleende certificaten

330Heading SPC

Contains data concerning applications for- or granted Supplementary Protection Certificates.

330

Rubriek VB1

Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.

331Heading VB1

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

331

Rubriek VB2

Bevat gegevens betreffende rechten waarin een beslissing is genomen of waarvoor een nieuwheidsrapport is uitgegaan op een verzoek- of bezwaarschrift conform de Octrooiwet 1995.

333Heading VB2

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

333

Rubriek MED

Bevat gegevens betreffende overige mededelingen.

334Heading MED

Contains data concerning other communications.

334

Rubriek VRV

Bevat gegevens betreffende verval of nietigverklaring.

335Heading VRV

Contains data concerning lapse or annulment.

335

Rubriek VRB

Bevat gegevens betreffende verbeteringen op eerdere publicaties.

365Heading VRB

Contains data concerning corrections on earlier publications.

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Rubriek CO

Bevat gegevens betreffende wijzigingen in het octrooiregister.

366Heading CO

Contains data concerning changes in the Netherland patent register.

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Rubriek TVH

Bevat gegevens betreffende topografieën van halfgeleiderproducten.

368Heading TVH

Contains data concerning depots of original topographies of semi-conductor products.

368

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.

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) Octrooinummer	(11) Patent number
(13) Soort document volgens WIPO standaard 16	(13) Kind of document code according to WIPO standard ST.16
(15) Correctie informatie	(15) Patent correction information
(21) Octrooiaanvraagnummer	(21) Application number
(22) Datum van indiening	(22) Date(s) of filing application(s)
(23) Datum tentoonstelling	(23) Date of exhibition
(25) Taal van indiening	(25) Language in which the published application was originally filed
(26) Taal waarin de aanvraag is gepubliceerd	(26) Language in which the application is published
(30) Voorranggegevens	(30) Priority Data
(31) Nummer voorrang	(31) Number(s) assigned to priority application(s)
(32) Datum voorrang	(32) Date(s) of filling of priority application(s)
(33) Land van herkomst voorrang	(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) Oorspronkelijk land van indiening	(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) Datum van inschrijving	(40) Date(s) of making available to the public
(41) Datum van inschrijving van een octrooiaanvraag	(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) Datum van inschrijving van een onderzochte aanvraag (openbaarmaking)	(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) Datum waarop de aanvraag ter inzage is gelegd	(43) Date of publication by printing or similar process of anexamined document on which no grant has taken place on or before said date

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

Rubrieken/Headings

NP1

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

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.

NP3

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

EP1

Vertaalde conclusies van Europese octrooiaanvragen.

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

EP2

Voor Nederland verleende Europese octrooien.

Contains data concerning European patents granted for The Netherlands.

(51) A01B 13/08	(87) NO2014050233	(54) DAMPING DEVICE FOR FARM IMPLEMENTS
A01B 15/02	02.07.2015	
A01B 23/02	(22) 11.12.2014	(73) Goicoecheandía Azqueta, Jose Luis
A01B 37/00	(54) PROTECTION PLATE FOR WEARING PART ATTACHMENT ON A LEADING EDGE OF A WORKING TOOL	(72) Goicoecheandía Azqueta, Jose Luis
A01B 49/02	(73) Kverneland Group Operations Norway AS	(31) 201631465
A01C 5/06	(21) EP17739717.1	(32) 16.11.2016
(11) EP3334267	(33) Norway	(33) Spain
(21) EP16836264.8	(51) A01B 15/16	(51) A01B 63/02
(47) 15.04.2020	(11) EP3468333	A01B 63/111
(87) AU2016050737	(21) EP17739717.1	A01B 69/00
23.02.2017	(47) 15.04.2020	A01B 69/04
(22) 12.08.2016	(87) SE2017050591	A01B 79/00
(54) BED RENOVATOR	14.12.2017	G05D 1/00
(73) Maximum Soil and Water Productivity Pty Ltd	(22) 02.06.2017	G01S 19/42
(72) HAMILTON, Gregory	(54) DISC TOOL, AGRICULTURAL IMPLEMENT COMPRISING SUCH A DISC TOOL AND METHOD FOR MANUFACTURING A DISC TOOL	G05D 1/02
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(33) Australia	HAMMARSTRÖM, Urban	(47) 15.04.2020
(51) A01B 13/08	ESKO, Heino	(87) JP2015081544
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(72) SKJÆVELAND, Magne	(54) Locking construction for agricultural machines	(33) Japan
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(31) 20140046	(72) Bianchi, Sandro	Japan
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(54) GATEWAY MODULE	201715692531	(32) 24.05.2017
(73) Intelligent Agricultural Solutions, LLC	(32) 30.09.2016	(33) Japan
(72) THUROW, Bradley R.	31.08.2017	(51) A01D 34/00
WIIG, Johan A.	(33) United States of America	B60L 53/30
GELINSKE, Joshua N.	United States of America	B60L 53/35
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A01D 34/00	(22) 18.08.2016	30.12.2015
G05D 1/02	(54) DOSING DEVICE FOR GRANULAR	(22) 03.06.2015
(11) EP2590495	MATERIAL WITH COLLECTING BIN	(54) AUTONOMOUS WORK DEVICE
(21) EP10854511.2	(73) Amazonen-Werke H. Dreyer GmbH &	(73) Robert Bosch GmbH
(47) 15.04.2020	Co. KG	(72) BIBER, Peter
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(22) 07.07.2010	FLUCKE, Jan	HENSEL, Stefan
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DEVICE FOR BOUNDARY AIDED	(32) 26.08.2015	(32) 27.06.2014
SYSTEMS	(33) Germany	(33) Germany
(73) Husqvarna AB	(51) A01C 7/04	(51) A01D 41/14
(72) JÄGENSTEDT, Patrik	(11) EP3340763	A01D 57/20
MARKUSSON, Olle	(21) EP16754273.7	A01D 61/00
(51) A01B 79/00	(47) 15.04.2020	(11) EP3406131
A01D 41/127	(87) EP2016069624	(21) EP18172473.3
A01D 43/08	02.03.2017	(47) 15.04.2020
(11) EP3358932	(22) 18.08.2016	(22) 15.05.2018
(21) EP16787345.4	(54) METERING DEVICE FOR GRANULAR	(54) EXTENDABLE DRAPER BELT
(47) 15.04.2020	MATERIAL WITH A PRE-METERING	(73) CNH Industrial Belgium NV
(87) EP2016073400	UNIT	(72) Cook, Joel T.
13.04.2017	(73) Amazonen-Werke H. Dreyer GmbH &	(31) 201715602352
(22) 30.09.2016	Co. KG	(32) 23.05.2017
(54) METHOD FOR OPERATING A	(72) TECKEMEYER, Stephan	(33) United States of America
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(73) BASF Agro Trademarks GmbH	(33) Germany	(11) EP3315012
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(51) A01C 1/02	(47) 15.04.2020	(73) Maschinenfabrik Bernard Krone GmbH &
A01G 31/06	(22) 17.05.2018	Co. KG
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(21) EP18188646.6	DISTRIBUTOR	Dresselhaus, Christian
(47) 15.04.2020	(73) Amazonen-Werke H. Dreyer GmbH &	(31) 202016006682 U
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(54) SPROUTER	(72) Brüggemann, Klaus	(33) Germany
(73) Fumi, Fabio	Flucke, Jan	(51) A01D 90/04
(72) Fumi, Fabio	Ahrens, Jan Bodo	A01F 15/10
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(51) A01C 5/06	(33) Germany	(22) 24.10.2017
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(73) Maschinenfabrik Bernard Krone GmbH & Co. KG	(32) 09.10.2015 08.02.2016	(32) 23.05.2016 (33) France
(72) Jung, Stefan	(33) South Africa	(51) A01G 23/08
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(32) 28.10.2016	(51) A01G 3/025	B27B 25/02
(33) Germany	(11) EP3395160	(11) EP2986104
(51) A01F 12/24	(21) EP18176518.1	(21) EP13882152.5
A01F 12/26	(47) 15.04.2020	(47) 15.04.2020
(11) EP3103322	(22) 10.12.2013	(87) SE2013050422
(21) EP16172779.7	(54) PRUNING TOOL	23.10.2014
(47) 15.04.2020	(73) HUSQVARNA AB	(22) 18.04.2013
(22) 03.06.2016	(72) Kohl, Peter	(54) FEED WHEEL ARRANGEMENT, TIMBER WORKING HEAD, CRANE AND TIMBER WORKING MACHINE
(54) AGRICULTURAL CONCAVE HAVING A COMPONENT COATED WITH A HIGH HARDNESS MATERIAL	Brobeil, Achim Missel, Patrick	(73) Komatsu Forest AB
(73) CNH Industrial Belgium nv	(31) PCT/EP2013/073403	(72) LUNDGREN, Karl
(72) Flickinger, Wayne T.	(32) 08.11.2013	(51) A01G 25/16
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Kemmerer, Benjamin	(51) A01G 3/037	(11) EP3241080
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(32) 04.06.2015	(11) EP3223600	(47) 15.04.2020
(33) United States of America	(21) EP15805571.5	(87) EP2014079497
(51) A01F 15/14	(47) 15.04.2020	07.07.2016
(11) EP3000311	(87) FR2015052962	(22) 31.12.2014
(21) EP15186793.4	02.06.2016	(54) CONTROLLING WATER INSTALLATION DEVICES
(47) 15.04.2020	(22) 03.11.2015	(73) FLUIDRA, S.A.
(22) 25.09.2015	(54) MOTORISED CUTTING TOOL WITH GUARD	(72) GIMÉNEZ PALLARÈS, David
(54) A BALE WRAPPING ASSEMBLY FOR A ROUND BALER	(73) PELLENC	PENELO ARIAS, Òscar
(73) CNH Industrial Belgium nv	(72) PELLENC, Roger	MELENDI CASADO, Domènec
(72) DE BAERE, Freek	(31) 1461402	BUJALANCE COLL, Daniel
VAN GIEL, Michael	(32) 25.11.2014	(51) A01H 3/04
(31) 201400739	(33) France	C12N 9/00
(32) 26.09.2014	(51) A01G 9/029	C12N 15/82
(33) Belgium	A01G 22/00	A01N 63/00
(51) A01F 25/08	A01G 24/00	(11) EP3296402
B65D 88/74	(11) EP2919579	(21) EP17181861.0
F26B 3/06	(21) EP13802456.7	(47) 15.04.2020
F26B 3/28	(47) 15.04.2020	(22) 12.09.2012
F26B 9/06	(87) NL2013050814	(54) METHODS AND COMPOSITIONS FOR WEED CONTROL
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		(73) Hettich-Heinze GmbH & Co. KG

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(51) A47B 96/02 A47F 3/04 F25D 25/02	(73) Topstar GmbH (72) WAGNER, Peter (31) 202016103557 U (32) 04.07.2016 (33) Germany	(73) Acclarent, Inc. Biosense Webster (Israel) Ltd.
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(51) A47B 96/02 A47F 7/024	(73) IKEA Supply AG (72) EJDAMO, Johan (31) 1550951 (32) 02.07.2015 (33) Sweden	(51) A47C 7/74 B60N 2/56 B60N 2/60 (11) EP2933135 (21) EP13863545.3 (47) 15.04.2020 (87) JP2013007029 19.06.2014 (22) 29.11.2013 (54) VEHICLE-MOUNTED HEATER DEVICE
(11) EP3453289 (21) EP17190213.3 (47) 15.04.2020 (22) 08.09.2017 (54) AN APPARATUS FOR PRESENTING ITEMS, PARTICULARLY EYEGLASSES	(31) FI20150043 (32) 24.02.2015 (33) Italy	(73) Panasonic Intellectual Property Management Co., Ltd.
(73) Pintur, Mladen (72) Pintur, Mladen	(51) A47C 4/28 A47C 9/10 (11) EP3261492 (21) EP16709587.6 (47) 15.04.2020 (87) IB2016050834 01.09.2016 (22) 17.02.2016 (54) A SUPPORT APPARATUS, SUCH AS A SEAT, FOLDABLE AND PORTABLE	(72) OGINO, Hiroyuki SUGIO, Takashi HANADA, Masaki HYOUDOU, Takaaki YOSHIMOTO, Koji
(51) A47B 96/20 B27D 5/00 B29C 63/00 B29C 65/16 B29C 65/48 B29L 31/44	(73) PELLEOSSA SRL (72) ELMI, Paolo (31) FI20150043 (32) 24.02.2015 (33) Italy	(31) 2012273800 2012273801 2013020152 2013038387 2013038388 (32) 14.12.2012 14.12.2012 05.02.2013 28.02.2013 28.02.2013
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(51) A47C 1/06 A47C 1/08 A47C 3/30 A61B 90/60	(51) A47C 7/02 A47C 7/32 B60N 2/06 B60N 2/54 B60N 2/70 B60N 2/90	(72) OGINO, Hiroyuki SUGIO, Takashi HANADA, Masaki HYOUDOU, Takaaki YOSHIMOTO, Koji
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(54) BED, BED FRAME, BED FRAME JOINT	(22) 28.06.2017	(47) 15.04.2020
AND METHOD OF ASSEMBLING A	(54) CLOSURE DEVICE FOR CONTAINERS	(22) 25.07.2016
BED FRAME	SUITABLE FOR HOLDING LIQUIDS	(54) A COOKING VESSEL FOR AN
(73) Bed Factory Sweden AB	(73) Artsana S.p.A.	INDUCTION COOKTOP
(72) Stenberg, Karl	(72) BELTRAMI, Gianluca	(73) Wipro Limited
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(33) Sweden	(33) Italy	RAI, Shagun
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(54) COUNTER WITH AIR CONDITIONING	(22) 30.08.2016	(22) 30.06.2016
AND FREEZING SYSTEM	(54) LATERAL LINEAR MOVING CURTAIN	(54) A CONTAINER FOR CONTAINING
(73) Melius Integral, S.L.	RAIL	A BEVERAGE BASE MATERIAL,
(72) PONCE, Luis	(73) Airbus Operations GmbH	A BEVERAGE PREPARATION
PONCE, Ramón	(72) Holtorf, Boris	SYSTEM INCLUDING AN AUTOMATIC
PRIO SULLA, Javier	Kyas, Gunter	BEVERAGE PREPARATION
(51) A47F 5/00	(51) A47J 27/00	APPARATUS AND SUCH A
A47F 5/10	A47J 27/08	CONTAINER, AN AUTOMATIC
A47F 11/10	A47J 27/12	BEVERAGE PREPARATION
F21V 33/00	A47J 36/00	APPARATUS FOR USE IN SUCH A
H01R 25/16	A47J 36/06	BEVERAGE PREPARATION SYSTEM
(11) EP3437525	A47J 36/24	AND A METHOD OF PREPARING
(21) EP18185192.4	A47J 36/32	A BEVERAGE USING SUCH A
(47) 15.04.2020	A47J 36/34	BEVERAGE PREPARATION SYSTEM
(22) 24.07.2018	A47J 43/046	(73) Koninklijke Douwe Egberts B.V.
(54) DEVICE FOR TRANSMITTING POWER	A47J 43/06	(72) DE GRAAFF, Gerbrand Kristiaan
AND/OR SIGNALS TO/FROM AN	A47J 43/07	MOORMAN, Christiaan Johannes Maria
ELECTRONIC PICKUP/COLLECTOR	G05B 15/02	GILSING, Roy
ON A SHELF	(11) EP3297500	STEPHENS, Richard
(73) Bernitz Electronics GmbH	(21) EP16793296.1	FLEMING, Jo
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BODMAIER, Bernhard Florian	(87) US2016031395	(31) 2015067
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HEIKE, Florian	(22) 08.05.2016	(33) Netherlands
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TURBINE WITH CURVED BLADES	(72) LEE, Kookhaeng	B25F 5/02
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BOFFELLI, Maurizio	B65H 75/10	(73) Miele & Cie. KG
LIBERALI, Marco	D21H 23/22	(72) Kara, Seyfettin
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(73) BSH Hausgeräte GmbH	(33) Japan	(72) CORDES, Martin
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DEVICE	STECK, Thomas	Chang, Stacey
(73) BSH Hausgeräte GmbH	WOLF, Christian	Anderson, Christopher, S.
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SHEN, Hong	PHARMACEUTICAL FORMULATIONS	PUGACHEV, Mikhail Vladimirovich
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(22) 30.04.2013	C22C 38/28	(54) FORMED METAL ITEM INCLUDING TUBULAR PART WITH SLIT, METHOD FOR PRODUCING THE SAME, AND PRODUCING DEVICE AND DIE ASSEMBLY USED IN METHOD FOR PRODUCING THE SAME
(54) SORTING MATERIALS USING PATTERN RECOGNITION, SUCH AS UPGRADING NICKEL LATERITE ORES THROUGH ELECTROMAGNETIC SENSOR-BASED METHODS	C22C 38/38	(73) Nippon Steel Corporation
(73) Minesense Technologies Ltd.	C22C 38/44	(72) SATO, Masahiko
(72) BAMBER, Andrew Sherliker	C22C 38/46	YOSHIDA, Tohru
BARCZA, Nicholas	C22C 38/50	(31) 2015035754
CSINGER, Andrew	C22C 38/58	2016027388
(31) 201261640749 P	C22C 38/60	(32) 25.02.2015
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United States of America	(54) HIGH-STRENGTH THIN STEEL SHEET AND METHOD FOR MANUFACTURING SAME	C21D 9/00
United States of America	(73) JFE Steel Corporation	C21D 9/46
(51) B07C 5/344	(72) KIZU, Taro	F27B 17/00
B07C 5/36	TOYODA, Shunsuke	F27D 5/00
C22B 7/00	KIDO, Akimasa	F27D 11/12
C22B 21/00	TADANI, Tetsushi	H05B 3/00
(11) EP3133176	(31) 2015135432	H05B 3/06
(21) EP16184442.8	(32) 06.07.2015	H05B 3/66
(47) 15.04.2020	(33) Japan	(11) EP3153593
(22) 17.08.2016	(51) B21B 39/16	(21) EP15803260.7
(54) SORTING OF ALUMINIUM ALLOYS USING ELECTRICAL CONDUCTIVITY VALUES	(11) EP3233317	(47) 15.04.2020
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	(54) A ROLLER GUIDE AND A METHOD FOR GUIDING STOCK	

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C21C 5/48	PRODUCT BY FEED CASTING	(31) 201562188386 P
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(11) EP3452240	(72) VALENTIN, Bernard	(33) United States of America
(21) EP16723049.9	BALLU, Arnaud	(51) B22D 11/118
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(22) 03.05.2016	(33) France	(47) 15.04.2020
(54) GAS FLUSHING DEVICE	(51) B22D 11/055	(87) KR2016012307
(73) Refractory Intellectual Property GmbH & Co. KG	B22D 11/057	11.05.2017
(72) TOMÁS CASADO, Marcos	(11) EP3487650	(22) 28.10.2016
BROSZ, Bianca	(21) EP17826132.7	(54) MOLTEN STEEL TREATMENT
FREILER, Michael	(47) 15.04.2020	APPARATUS AND METHOD
KLIKOVICH, Michael	(87) DE2017101079	(73) POSCO
KULP, Roman	28.06.2018	(72) KIM, Sung Jool
(51) B22D 1/00	(22) 15.12.2017	(31) 20150153386
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B22D 17/32	PERMANENT MOLD	(33) Korea (Republic)
B22D 21/04	(73) KME Germany GmbH & Co. KG	(51) B22D 17/14
C22B 9/10	(72) HUGENSCHÜTT, Gerhard	B22D 17/20
(11) EP3360623	ROLF, Thomas	(11) EP2480357
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(87) CN2017077539	(33) Germany	(87) DE2010001104
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(54) SEMISOLID PRODUCTION METHOD	C21D 9/46	(54) VACUUM DIE CASTING DEVICE AND
AND SYSTEM USING CONTINUOUS	C22C 38/02	METHOD FOR OPERATING A VACUUM
DIE CASTING TECHNIQUE	C22C 38/04	DIE CASTING DEVICE
(73) Zhuhai Runxingtai Electrical Co., Ltd	(11) EP1819461	(73) KSM Castings Group GmbH
(72) REN, Huaide	(21) EP05814950.1	(72) WERNER, Michael
ZHANG, Ying	(47) 15.04.2020	ZWIRNER, Thomas
WANG, Jicheng	(87) FR2005002740	HOFMEISTER, Jürgen
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(32) 08.04.2016	(54) METHOD OF PRODUCING AUSTENITIC	102009054174
(33) China	IRON/CARBON/MANGANESE STEEL	(32) 22.09.2009
(51) B22D 7/02	SHEETS HAVING VERY HIGH	23.11.2009
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(21) EP06841935.7	(73) ArcelorMittal	C04B 35/103
(47) 15.04.2020	(72) CUGY, Philippe	(11) EP3483134
(87) FR2006002731	GUELTON, Nicolas	(21) EP17200546.4
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(22) 14.12.2006	STOUVENOT, François	(22) 08.11.2017
(54) PROCESS FOR MANUFACTURING	THEYSSIER, Marie-Christine	(54) REFRACTORY PLATE FOR SLIDE
SEMI-FINISHED PRODUCTS	(31) 0412477	GATE, USE OF A MELT AS A RAW
COMPRISING TWO ALUMINIUM-	(32) 24.11.2004	MATERIAL IN SUCH A PLATE AND A
BASED ALLOYS	(33) France	MELTING VESSEL COMPRISING SUCH
(73) Constellium Issoire	(51) B22D 11/10	A PLATE
(72) LEQUEU, Philippe	B22D 11/11	(73) Refractory Intellectual Property GmbH & Co. KG
COMMET, Benoît	B22D 11/118	(72) GRASSET-BOURDEL, Renaud
DANIELOU, Armelle	B22D 41/00	WIESEL, Martin
DUMONT, David	B22D 41/08	MEURILLON, Vincent
RIBAUD, Olivier	B22D 41/16	TAFERNER, Harald
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(22) 26.05.2016	F01D 5/02	A COMPONENT BY ADDITIVE
(54) SINTERED FRICTION MATERIAL FOR	F01D 5/34	MANUFACTURING
HIGH SPEED RAILWAY VEHICLES	(11) EP3187282	(73) GE Avio S.r.l.
AND METHOD FOR MANUFACTURING	(21) EP16206170.9	(72) VARETTI, Mauro
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(73) Akebono Brake Industry Co., Ltd.	(22) 22.12.2016	(32) 07.11.2014
(72) OYABU Koji	(54) DYNAMIC BONDING OF POWDER	(33) Italy
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(51) B22F 1/00	Watson, Thomas J.	B29C 64/379
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B22F 3/22	(33) United States of America	(47) 15.04.2020
B22F 7/00	(51) B22F 3/105	(87) EP2014074017
C22C 1/08	B22F 3/11	21.05.2015
F16C 32/06	B22F 3/26	(22) 07.11.2014
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(21) EP13824324.1	B23K 103/08	PRODUCING A THREE-DIMENSIONAL
(47) 15.04.2020	C22C 27/04	OBJECT IN LAYERS AND FOR
(87) IB2013002308	(11) EP2994257	UNPACKING THE FINISHED OBJECT
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(54) MANUFACTURING PROCESS OF	(87) AT2014000105	FEY, Georg
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Soluções em Refrigeração Ltda.	SHAPED BODY AND A SHAPED BODY	(51) B22F 3/105
(72) WITHERS TORRES, Fernando	THAT CAN BE PRODUCED THEREBY	B33Y 10/00
BINDER, Roberto	(73) Plansee SE	B33Y 30/00
KLEIN, Aloisio Nelmo	(72) KESTLER, Heinrich	B33Y 50/02
BINDER, Cristiano	TABERNIG, Bernhard	B29C 67/00
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(51) B22F 1/00	C22C 1/04	(22) 14.07.2016
B22F 3/105	H01H 1/02	(54) METHOD AND DEVICE FOR
B22F 3/14	H01H 33/664	PRODUCING A THREE-DIMENSIONAL
C22C 9/00	(11) EP2989650	OBJECT
H01L 31/032	(21) EP14728926.8	(73) EOS GmbH Electro Optical Systems
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(21) EP16772177.8	(87) EP2014061605	GRÜNBERGER, Stefan
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(22) 10.03.2016	PRODUCING CONTACT ELEMENTS	(51) B22F 3/105
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AND METHOD OF MANUFACTURING	CONTACTS	B33Y 50/00
CU-GA ALLOY SPUTTERING TARGET	(73) Siemens Aktiengesellschaft	B29C 64/153
(73) Mitsubishi Materials Corporation	(72) ROSSNER, Wolfgang	B29C 64/214
(72) YOSHIDA, Yuki	POHLE, Dirk	B29C 64/268
UEDA, Toshiaki	SCHUH, Carsten	B29C 64/386
MORI, Satoru	SCHACHTSCHNEIDER, Klaus	G06F 17/00
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Japan	B65D 83/06	ANGLE FOR A THREE-DIMENSIONAL
(51) B22F 3/08	B33Y 30/00	SHAPED PRODUCT
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KABESHITA, Tatsuya	(22) 24.05.2017	(73) Nitto Kohki Co., Ltd.
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C10M 159/06	(33) United States of America	B23B 51/06
F16C 19/16	(51) B23B 27/10	(11) EP3278911
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(72) KATSUNO, Yoshiaki	B23C 5/06	(51) B23B 51/04
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B23C 5/20	(21) EP16789752.9	C25D 17/10
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(54) CUTTING INSET AND TOOL HAVING	SEMICONDUCTOR PROCESSING	(47) 15.04.2020
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(73) Mitsubishi Materials Corporation	Inc.	16.08.2018
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(72) BREITKOPF, Richard Charles	METHOD FOR PRODUCING SAID	STEINMANN, Pius
DAY, Ellen A.	PELLETS	MOISCH, Dorin
QIU, Yongxing	(73) Blieninger, Franz	(51) B32B 5/00
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D21H 27/20	OXYGEN AND LIGHT BARRIER, FOR	C23C 22/05
E04F 13/07	PACKAGING DIETARY AND COSMETIC	C23C 22/07
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(73) Daicel Corporation	(47) 15.04.2020	(72) KOBAYASHI, Naoki
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von Malortie, Johannes	(32) 31.01.2014	(72) KOBAYASHI Takaya
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B60R 22/46	G07C 9/00	G02B 27/00
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(21) EP18187499.1	(21) EP15702620.4	(21) EP17711685.2
(47) 15.04.2020	(47) 15.04.2020	(47) 15.04.2020
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(54) THREE-POINT SEATBELT DEVICE	06.08.2015	26.10.2017
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(72) IMANAKA, Shigekazu	(54) ASSEMBLY MODULE FOR A	(54) DEVICE FOR CLEANING A SENSOR
SEKIZUKA, Makoto	MOTOR VEHICLE, COMPRISING AN	OF AN OPTICAL DETECTION SYSTEM
OHNO, Mitsuyoshi	OPTICAL SENSOR SYSTEM AND AN	FOR A MOTOR VEHICLE
(31) 2017170425	EMERGENCY ACTUATION MEANS	(73) Valeo Systèmes d'Essuyage
(32) 05.09.2017	(73) Huf Hülsbeck & Fürst GmbH & Co. KG	(72) GIRAUD, Frédéric
(33) Japan	(72) SCHINDLER, Mirko	(31) 1653517
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(47) 15.04.2020	HACHE, Christof	(47) 15.04.2020
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(22) 12.03.2015	YOMKIL MALABO, Jean	at least partially formed from a fibre
(54) REMOTE FUEL PUMP DEACTIVATION	ETTE, Bernd	composite material
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(73) Tracknstop Limited	(32) 31.01.2014	(72) Benner, Andreas
(72) DOHERTY, Michael	(33) Germany	Baumert, Stefan
KEHOE, Stephen	(51) B60S 1/04	Pichler, Andreas
FAGAN-GUIMOND, Tristan	(11) EP3339112	Obert, Mike
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(73) Valeo Systèmes d'Essuyage	(73) Decathlon	(54) SADDLE-TYPE VEHICLE
(72) ESPINASSE, Philippe	(72) PETITDEMANGE, David	(73) Yamaha Hatsudoki Kabushiki Kaisha Advics Co., Ltd.
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(33) France	(33) France	FUKUDA, Tadashi
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(11) EP2813403	B60T 13/74	HIGUCHI, Shoma
(21) EP14168477.9	F16D 65/18	TERASAKA, Masato
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SRIDHARA, Srinivasaiah	B60T 8/17	(54) METHOD AND SYSTEM FOR DETERMINING A ROAD CONDITION
GOPALAN, Sridhar	B60T 17/18	(73) Hexagon Technology Center GmbH
BERNING, Keith	G01S 13/86	(72) Pettersson, Bo
ROMACK, Alan	G05D 1/00	(51) B60T 13/68
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(47) 15.04.2020	(21) EP17151573.7	(54) METHOD FOR ELECTRONICALLY CONTROLLING A PNEUMATIC BRAKING SYSTEM IN A VEHICLE, AND ELECTRONICALLY CONTROLLABLE PNEUMATIC BRAKING SYSTEM
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G05G 1/04	United States of America	(73) Goodrich Corporation
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(51) B60W 10/02	SANDSTROM, Scott, P.	(11) EP3410418
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B60W 20/00	F02D 37/02	AND VEHICLE TRAVEL CONTROL
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(21) EP17702095.5	F02D 41/10	(73) Nissan Motor Co., Ltd.
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(54) METHOD AND CONTROL DEVICE	(21) EP17178638.7	(32) 29.01.2016
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WHETHER COMBUSTION IS	(54) ENGINE OUTPUT CONTROL DEVICE	B60W 40/107
TAKING PLACE IN AN INTERNAL	(73) HONDA MOTOR CO., LTD.	B60W 40/12
COMBUSTION ENGINE OF THE	(72) Arai, Dai	B60W 40/13
HYBRID VEHICLE	Niwa, Junya	(11) EP2799303
(73) Volkswagen Aktiengesellschaft	Tanaka, Masataka	(21) EP11878422.2
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(54) VEHICLE CONTROL APPARATUS AND	(31) 102015226591	TRANSPORTATION OF OBJECTS
VEHICLE CONTROL METHOD	(32) 22.12.2015	(73) K&K Maschinentechnik GmbH &
(73) Toyota Jidosha Kabushiki Kaisha	(33) Germany	Co. KG
(72) AMANO, Takashi	(51) B60W 30/12	(72) DEHMEL, Wolfram Peter
AIKAWA, Hidehumi	B60W 50/08	(31) 102011101636
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(54) ELECTRONIC THROTTLE CONTROL	(33) Germany	DEVICE WITH ANTI-CLIMB
(73) Polaris Industries Inc.	Germany	PROTECTION
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GILLINGHAM, Brian	G06K 9/00	(72) Marggraf, Matthias
MALONE, Amber, P.	G08G 1/0962	Fecske, Thomas

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(54) RAIL VEHICLE WITH APRON VALVE	(54) MECHANICAL SYSTEM FOR	(54) CLUTCH FOR AN AUTOMOTIVE
(73) Bombardier Transportation GmbH	STABILIZATION ON THE FLOOR FOR	VEHICLE
(72) Trauter, Nico	VEHICLES ON CASTORS	(73) thyssenkrupp Presta AG
Wusching, Michael	(73) Medtech SA	thyssenkrupp AG
Meyer, Christian	(72) NAHUM, Bertin	(72) Steinkogler, Bernhard
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AND VIBRATIONAL COMPONENT	(47) 15.04.2020	(87) JP2015072136
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E01B 11/18	G01C 21/00	Japan
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(54) DEVICE FOR TEMPORARILY	(22) 02.01.2008	(22) 27.10.2016
CONNECTING TWO SUCCESSIVE	(54) A VEHICLE CONTROL SYSTEM	(54) ELECTROMECHANICAL POWER
RAILS OF A TRACK	(73) AgJunction LLC	STEERING DEVICE, METHOD
(73) Robel Bahnbaumaschinen GmbH	(72) MACDONALD, Andrew, John	TO DETERMINE AN ABSOLUTE
(72) WIDLROITHER, Otto	REEVE, David, Robert	STEERING ANGLE AND METHOD
(31) 202015005277 U	MORRISON, Campbell, Robert	FOR CALIBRATING AN ABSOLUTE
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FOR MOVING THE SWITCH POINTS	(22) 11.05.2017	(31) 102015013965
OF A RAILROAD SWITCH EQUIPPED	(54) STEER-BY-WIRE STEERING SYSTEM	(32) 29.10.2015
WITH SUCH SWITCH MACHINE	WITH COUPLEABLE INDIVIDUAL	(33) Germany
(73) Silsud S.R.L.	WHEEL STEERINGS	(51) B62D 9/02
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BIAGIOTTI, Maurizio	thyssenkrupp AG	B62K 5/00
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Nose, Tsubasa	(87) EP2014076218	(72) SHIKANAI, Shimpei
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(33) Japan	(54) CONVEYING VEHICLE ON	SHIMIZU, Takahiko
(51) B62D 15/02	WHICH A VEHICLE BODY IS	(51) B62K 5/08
G05D 1/02	ARRANGED DURING THE ENTIRE	B62K 25/08
(11) EP3347788	FINAL ASSEMBLY THEREOF,	B62K 5/00
(21) EP16741291.5	MANUFACTURING PLANT, AND	B62K 5/027
(47) 15.04.2020	MANUFACTURING METHOD	B62K 5/05
(87) EP2016066868	(73) Dürr Systems AG	B62K 5/10
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(72) NORDBRUCH, Stefan	(47) 15.04.2020	IKEDA, Kota
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Brieden, Thomas	B62K 19/30	OF A STRADDLE-TYPE VEHICLE
Michler, Stefan	B62K 19/46	(73) Kawasaki Jukogyo Kabushiki Kaisha
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TYPE	(51) B62J 1/26	(73) Pedretti, Andrea
(73) Althimasse	(11) EP3543098	(72) PEDRETTI, Andrea
(72) THOONSEN, Joseph	(21) EP18172660.5	(31) UB20154242
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(33) France	(54) BIKE SADDLE INCORPORATING WITH	(51) B62K 25/04
(51) B62D 55/125	BIO-GEL STRUCTURE	B62K 25/28
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(22) 12.09.2014	(51) B62J 23/00	(73) HONDA MOTOR CO., LTD.
(54) DRIVE SPROCKET FOR A TRACKED	B62M 7/02	(72) TOMURA, Kineo
VEHICLE		MORI, Yotaro

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(32) 31.07.2017	(54) CARGO VESSEL LID LIFTING SYSTEM	(31) 1761995
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(22) 28.03.2017	(51) B63B 22/06	(47) 15.04.2020
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(72) Hiramaru, Masayuki	F03B 17/02	(22) 27.06.2017
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(51) B63G 8/00 H01M 2/10 (11) EP3462519 (21) EP18197620.0 (47) 15.04.2020 (22) 28.09.2018 (54) BATTERY ASSEMBLY FOR A SUBMARINE (73) Naval Group (72) GARANS, Cyrille (31) 1700995 (32) 29.09.2017 (33) France	(51) B63H 1/26 B63H 5/16 (11) EP3495257 (21) EP18215036.7 (47) 15.04.2020 (22) 26.07.2012 (54) PROPELLER SETTING SMALL DUCT, AND SHIP (73) National Institute of Maritime, Port and Aviation Technology (72) Sasaki, Noriyuki Kawashima, Hideki Fujisawa, Junichi (31) 2011163203 (32) 26.07.2011 (33) Japan	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/16 B63H 21/17 (11) EP1840025 (21) EP07105268.2 (47) 15.04.2020 (22) 29.03.2007 (54) Electrical traction system (73) GORIZIANE GROUP S.p.A. (72) Novelli, Flavio (31) MI20060632 (32) 31.03.2006 (33) Italy	(51) B64C 3/32 B64D 27/18 B64D 27/26 (11) EP3505439 (21) EP18214912.0 (47) 15.04.2020 (22) 20.12.2018 (54) ASSEMBLY FOR AIRCRAFT COMPRISING A MOUNTING STRUT PRIMARY STRUCTURE ATTACHED TO A WING BOX BY COMPACT FASTENERS IN THE LEADING EDGE AREA (73) AIRBUS OPERATIONS (SAS) (72) PAUTIS, Olivier COLMAGRO, Jérôme (31) 1763355 (32) 29.12.2017 (33) France
(51) B63G 8/00 H01M 2/10 (11) EP3462519 (21) EP18197620.0 (47) 15.04.2020 (22) 28.09.2018 (54) BATTERY ASSEMBLY FOR A SUBMARINE (73) Naval Group (72) GARANS, Cyrille (31) 1700995 (32) 29.09.2017 (33) France	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B63H 1/12 B63H 5/07 B63H 20/00 B63H 20/02 B63H 20/06 B63H 25/26 B63H 25/42 (11) EP3375705 (21) EP16864209.8 (47) 15.04.2020 (87) JP2016083102 18.05.2017 (22) 08.11.2016 (54) SHIP PROPULSION DEVICE	(51) B64C 3/34 B64C 37/00 B64D 37/00 G01F 22/00 G01F 23/00 G01F 23/292 H04N 5/225 G06T 7/62 (11) EP3205986 (21) EP17154843.1 (47) 15.04.2020 (22) 06.02.2017 (54) IMAGING SYSTEM FOR FUEL TANK ANALYSIS (73) Simmonds Precision Products, Inc. (72) ZAKRZEWSKI, Radoslaw MILLER, Mark Sherwood LYNCH, Michael A. (31) 201615015827 (32) 04.02.2016 (33) United States of America
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BOTROS, Barbara Brenda	PROPULSIVE ENERGY TO A	G05D 1/00
MIN, Byung Young	HELICOPTER	G05D 1/06
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AND ALERT A DYNAMIC ROLLOVER	(87) GB2016051567	(73) THALES
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SONGA, Anil Kumar	CONTROLLED FLIGHT	(31) 1400536
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G01C 23/00	LANG, Michael	(72) Aarts, Guido Maurinus Adriana Maria
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UNCERTIFIED DISPLAY	SHIMOMAE, Yoshinobu	CAROUSEL SYSTEM AND METHOD
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SARMA, Kalluri R.	(33) Japan	(72) van Doorn, Alex
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BRACKET STRUCTURES	INSPECTING OBJECTS TO BE	UP POUCHES OF STRETCHABLE
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KREIDER, Thom	(73) Focke & Co. (GmbH & Co. KG)	(72) ROBINSON, Gary
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(72) FRANCA, Marcos	(72) MAKIUCHI, Takafumi	(72) RODRÍGUEZ BATALLA, Ramón
PEREIRA, Bruno, Rufato	AZUMA, Noriyoshi	
HUANG, Wenyi	YAMADA, Haruhiko	(51) B65D 33/00
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(47) 15.04.2020	03.08.2017	(73) Daizo Corporation
(22) 30.11.2017	(22) 07.12.2016	(72) SUGAWARA Shinya
(54) A LIQUID DISPENSER FOR AN INVERTED CONTAINER	(54) CONTAINER	YAMAGUCHI Kazuhiro
(73) The Procter & Gamble Company	(73) Madel S.p.A.	KATAOKA Kimio
(72) HOEFTE, Paulus Antonius Augustinus	(72) TESTA, Mattia	MIYAMOTO Hidetoshi
SCHOUBBEN, Jimmy	(31) UB20160020	MEKATA Satoshi
(51) B65D 51/30	(32) 26.01.2016	(31) 2014077612
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SHOMRAT, Haim	(73) Chocal Aluminiumverpackungen GmbH	Japan
COHEN, Neta Moshe	(72) SPECK, Thomas	Japan
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(32) 05.02.2015	BANTLEON, Konrad	Japan
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02.06.2010	(32) 20.04.2015	HASHIMOTO, Masanori
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Netherlands	(51) B65G 1/04	(32) 29.09.2017
Hungary	B65G 1/14	(33) Japan
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D'ALFONSO, Lorena	(54) CONTROL METHOD FOR LOADING/	GRIPPING, HOLDING, GUIDING
QUARELLI DI LESEGNO, Federico	UNLOADING DEVICE IN PLANE	AND TRANSPORTING OBJECTS,
MARCHITTO, Giuseppe	STORAGE FACILITY	IN PARTICULAR BOTTLE-LIKE
FEDERICI, Luca	(73) Daifuku Co., Ltd.	CONTAINERS
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(33) Italy	HAMAGUCHI, Jun	Schlunig, Ludwig
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(72) Yohei, Inada	(72) ITOH Kazuo	(31) 92534
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KIM, Bongsang	H01L 21/762	ALBERDING, Mark, R.
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24.08.2017	YOSHITAKE, Shinsuke	(32) 08.11.2016
(22) 07.02.2017	TSUTSUMI, Masakazu	(33) Korea (Republic)
(54) DEVICE FOR GENERATING AN	NAKAMURA, Jun	(51) H01M 2/02
ATMOSPHERIC PRESSURE	(31) 2010292001	H01M 2/36
PLASMA WITH A PIEZOELECTRIC	(32) 28.12.2010	H01M 10/42
TRANSFORMER	(33) Japan	(11) EP3457464
(73) TDK Electronics AG	(51) H01M 2/02	(21) EP17880635.2
(72) KUDELA, Pavol	H01M 2/04	(47) 15.04.2020
RINNER, Franz	H01M 2/08	(87) KR2017014472
PUFF, Markus	H01M 10/04	21.06.2018
(31) 102016102585	(11) EP3297082	(22) 11.12.2017
(32) 15.02.2016	(21) EP16873210.5	(54) METHOD FOR INJECTING
(33) Germany	(47) 15.04.2020	ELECTROLYTE INTO POUCH
(51) H01L 51/00	(87) KR2016011374	SECONDARY BATTERY USING GAP-
H01L 51/50	15.06.2017	CONTROLLING JIG
H01L 51/52	(22) 11.10.2016	(73) LG Chem, Ltd.
H01L 51/54	(54) SEALING APPARATUS FOR	(72) LEE, Byeong-Kyu
H01L 51/56	SECONDARY BATTERY	LEE, Kyung-Jae
(11) EP3214667	(73) LG Chem, Ltd.	JUNG, Su-Taek
(21) EP14904709.4	(72) LEE, Sang Kyun	CHOI, Min-Cheol
(47) 15.04.2020	KU, Cha Hun	KU, Cha-Hun
(87) CN2014091781	(31) 20150177259	(31) 20160171928
06.05.2016	(32) 11.12.2015	20170168534
(22) 20.11.2014	(33) Korea (Republic)	(32) 15.12.2016
(54) BLUE ORGANIC	(51) H01M 2/02	08.12.2017
ELECTROLUMINESCENT DEVICE AND	H01M 2/04	(33) Korea (Republic)
PREPARATION METHOD THEREOF	H01M 2/10	Korea (Republic)
(73) Changchun Institute Of Applied	H01M 2/30	(51) H01M 2/04
Chemistry Chinese Academy Of	H01M 2/34	H01M 2/06
Sciences	H01M 10/42	H01M 2/22
(72) ZHOU, Liang	H01M 10/0525	(11) EP2463935
ZHANG, Hongjie	H01M 10/0585	(21) EP11192784.4
JIANG, Yunlong	(11) EP3035414	(47) 15.04.2020
(31) 201410610118	(21) EP14847593.2	(22) 09.12.2011
(32) 30.10.2014	(47) 15.04.2020	(54) Battery and current collector
(33) China	(87) KR2014008996	(73) GS Yuasa International Ltd.
(51) H01M 2/02	02.04.2015	(72) Ito, Syun
(11) EP3117471	(22) 26.09.2014	Waki, Shogo
(21) EP15741185.1	(54) BATTERY PACK COMPRISING	(31) 2010276202
(47) 15.04.2020	PROTECTION CIRCUIT MODULE	2011242566
(87) EP2015066810	CASE	(32) 10.12.2010
25.02.2016	(73) LG Chem, Ltd.	04.11.2011
(22) 22.07.2015	(72) CHOI, Mi Geum	(33) Japan
(54) PRISMATIC BATTERY CASE AND	YUN, Hyung Ku	Japan
PROCESS FOR ITS PRODUCTION	LEE, Dong Cheol	(51) H01M 2/04
(73) VW Kraftwerk GmbH	(31) 20130115148	H01M 2/08
VARTA Microbattery GmbH	(32) 27.09.2013	H01M 10/0525
(72) STOCK, Stefan	(33) Korea (Republic)	B29C 64/112
SCHREIBER, Werner	(51) H01M 2/02	(11) EP3236509
HUTH, Andreas	H01M 2/16	(21) EP16196263.4
GAUGLER, Andreas	H01M 6/46	(47) 15.04.2020
(31) 102014216435	H01M 10/04	(22) 28.10.2016
(32) 19.08.2014	(11) EP3416225	(54) METHOD OF EDGE SEALING FOR
(33) Germany	(21) EP17869470.9	SECONDARY LITHIUM BATTERY
(51) H01M 2/02	(47) 15.04.2020	(73) Ningde Amperex Technology Limited
H01M 2/04	(87) KR2017011780	(72) Zhang, Yajie
H01M 2/06	17.05.2018	He, Ping

Lin, Liqing	H01M 2/16	H02J 7/00
Dong, Jiali	H01M 10/052	H01G 11/16
(31) 201610244262	H01M 10/0565	H01G 11/18
(32) 19.04.2016	(11) EP3316380	H01G 11/74
(33) China	(21) EP16853923.7	(11) EP3378112
(51) H01M 2/10	(47) 15.04.2020	(21) EP16801407.4
(11) EP3501048	(87) KR2016011219	(47) 15.04.2020
(21) EP17755495.3	13.04.2017	(87) EP2016077930
(47) 15.04.2020	(22) 07.10.2016	26.05.2017
(87) EP2017071023	(54) BATTERY CELL IN WHICH GELATION	(22) 17.11.2016
01.03.2018	ELECTROLYTE SOLUTION	(54) ELECTRICAL BRIDGING DEVICE
(22) 21.08.2017	COMPONENT IS INCLUDED IN PORE	FOR BRIDGING ELECTRICAL
(54) BATTERY-BASED PRESSURE	OF SEPARATOR CONFIGURING	COMPONENTS, IN PARTICULAR AN
NEUTRAL ENERGY SUPPLY DEVICE	ELECTRODE ASSEMBLY	ENERGY SOURCE OR AN ENERGY
FOR UNDERWATER USE	(73) LG Chem, Ltd.	CONSUMER
(73) thyssenkrupp Marine Systems GmbH	(72) LEE, Ji Eun	(73) Fraunhofer Gesellschaft zur Förderung
thyssenkrupp AG	JEONG, Hee Seok	der angewandten Forschung E.V.
(72) FRÜHLING, Christian	OH, Sei Woon	(72) WALLER, Reinhold
SCHIEHMANN, Marc	LEE, Eun Ju	LORENTZ, Vincent
WEHNER, Willem Hendrik	(31) 20150140927	MÄRZ, Martin
(31) 102016215713	(32) 07.10.2015	(31) 102015222939
(32) 22.08.2016	(33) Korea (Republic)	(32) 20.11.2015
(33) Germany	(51) H01M 2/16	(33) Germany
(51) H01M 2/10	H01M 4/02	(51) H01M 4/04
H01M 2/20	H01M 4/131	H01M 4/62
H01M 10/613	H01M 4/525	H01M 4/139
H01M 10/643	H01M 10/052	(11) EP3401984
H01M 10/6557	H01M 10/0525	(21) EP17847037.3
H01M 10/6563	H01M 10/0567	(47) 15.04.2020
H01M 10/6566	(11) EP3454395	(87) KR2017009586
(11) EP3333937	(21) EP18190914.4	08.03.2018
(21) EP18154818.1	(47) 15.04.2020	(22) 01.09.2017
(47) 15.04.2020	(22) 27.08.2018	(54) METHOD FOR MANUFACTURING
(22) 27.02.2015	(54) NONAQUEOUS ELECTROLYTE	ELECTRODE FOR LITHIUM
(54) RECHARGEABLE BATTERY PACK	SECONDARY BATTERY	SECONDARY BATTERY, AND
(73) Samsung SDI Co., Ltd.	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	ELECTRODE FOR LITHIUM
(72) Park, Jeong-Kurn	(72) NAKAYAMA, Tetsuri	SECONDARY BATTERY
Kim, Dong-Rak	(31) 2017174334	MANUFACTURED THEREBY
Choi, Jong-Rock	(32) 11.09.2017	(73) LG Chem, Ltd.
Song, In-Seob	(33) Japan	(72) YUN, Hyunwoong
(31) 20140024716	(51) H01M 2/16	(31) 20160112645
(32) 28.02.2014	H01M 4/48	20170111351
(33) Korea (Republic)	H01M 4/587	(32) 01.09.2016
(51) H01M 2/14	H01M 10/052	31.08.2017
H01M 2/16	H01M 10/0567	(33) Korea (Republic)
H01M 2/18	H01M 10/0568	Korea (Republic)
H01M 4/14	H01M 10/0569	(51) H01M 4/04
H01M 10/06	(11) EP3246983	H01M 4/62
H01M 10/058	(21) EP15878968.5	H01M 10/052
(11) EP2783405	(47) 15.04.2020	(11) EP3547403
(21) EP12851344.7	(87) JP2015086564	(21) EP18182878.1
(47) 15.04.2020	28.07.2016	(47) 15.04.2020
(87) US2012066233	(22) 28.12.2015	(22) 11.07.2018
30.05.2013	(54) NONAQUEOUS ELECTROLYTE	(54) LITHIUM SECONDARY BATTERY AND
(22) 21.11.2012	SOLUTION AND NONAQUEOUS	MANUFACTURING METHOD THEREOF
(54) EMBOSSED SEPARATORS,	ELECTROLYTE SOLUTION CELL	(73) Hyundai Motor Company
BATTERIES AND METHODS	USING SAME	Kia Motors Corporation
(73) Daramic, LLC	(73) Central Glass Co., Ltd.	Incheon University Industry Academic
(72) MILLER, Eric, H.	(72) SUZUKI, Katsutoshi	Cooperation Foundation
CHAMBERS, Jeffrey, K.	TANAKA, Toru	(72) Oh, Seung-min
TIMMONS, John, R.	TAKAHASHI, Mikihiro	Yeo, mae Yeo
(31) 201161562195 P	TAKEDA, Kazunari	Koh, KiSeok
201261692058 P	(31) 2015011735	Lee, Yoon Sung
(32) 21.11.2011	(32) 23.01.2015	Kim, Taehyun
22.08.2012	(33) Japan	Mun, Junyoung
(33) United States of America	(51) H01M 2/20	Go, Nakgyu
United States of America	H01M 2/34	(31) 20180036387
(51) H01M 2/14	H02H 9/04	(32) 29.03.2018

(33) Korea (Republic)	(22) 01.08.2018	(51) H01M 4/86
(51) H01M 4/06	(54) DISULFONATE-BASED ADDITIVE	H01M 4/88
H01M 4/38	AND LITHIUM SECONDARY BATTERY	H01M 4/92
H01M 4/62	COMPRISING THE SAME	H01M 8/10
H01M 4/66	(73) Samsung Electronics Co., Ltd.	H01M 8/1004
H01M 6/16	Samsung SDI Co., Ltd.	(11) EP2235779
H01M 4/58	(72) KOH, Myongchun	(21) EP08864214.5
(11) EP2242135	KANG, Yoonsok	(47) 15.04.2020
(21) EP10169270.5	PARK, Eunha	(87) US2008087398
(47) 15.04.2020	SEO, Jinah	02.07.2009
(22) 05.06.2003	(31) 20170103722	(22) 18.12.2008
(54) Nonaqueous electrochemical cell with	(32) 16.08.2017	(54) ELECTRODE CATALYST DISPERSION
improved energy density	(33) Korea (Republic)	AND INK COMPOSITION
(73) Energizer Brands, LLC	(51) H01M 4/36	(73) 3M Innovative Properties Company
(72) Marple, Jack W.	H01M 4/38	(72) NODA, Kazuki
(31) 164239	H01M 4/62	OKADA, Hideyuki
(32) 05.06.2002	H01M 12/08	(31) 2007330188
(33) United States of America	H01M 4/134	(32) 21.12.2007
(51) H01M 4/1397	H01M 4/1395	(33) Japan
H01M 10/0525	H01M 4/587	(51) H01M 4/86
(11) EP3375031	H01M 10/052	H01M 4/96
(21) EP15908003.5	(11) EP3145001	(11) EP2371449
(47) 15.04.2020	(21) EP16187438.3	(21) EP09830323.3
(87) CN2015094126	(47) 15.04.2020	(47) 15.04.2020
18.05.2017	(22) 06.09.2016	(87) JP2009069778
(22) 09.11.2015	(54) ELECTRODE ACTIVE MATERIAL,	10.06.2010
(54) ALL-SOLID-STATE LITHIUM	ELECTRODE AND SECONDARY	(22) 24.11.2009
RECHARGEABLE CELLS	BATTERY INCLUDING THE SAME,	(54) CARBON CATALYST, METHOD FOR
(73) Robert Bosch GmbH	AND METHOD OF PREPARING THE	MANUFACTURING THE CARBON
(72) XU, Xiaoxiong	ELECTRODE ACTIVE MATERIAL	CATALYST, AND ELECTRODE AND
YAO, Xiayin	(73) Samsung Electronics Co., Ltd.	BATTERY USING THE CARBON
PENG, Gang	Samsung SDI Co., Ltd.	CATALYST
ZHOU, Longjie	(72) OGATA, Ken	(73) Nisshinbo Holdings, Inc.
CHEN, Yunhua	TAKEI, Koichi	(72) OZAKI, Jun-ichi
(51) H01M 4/36	LEE, Kanghee	KISHIMOTO, Takeaki
H01M 4/38	LEE, Byoungsun	(31) 2008307848
H01M 4/40	LEE, Jaemyung	(32) 02.12.2008
H01M 10/39	LIM, Minwoo	(33) Japan
(11) EP2619831	(31) 20150131053	(51) H01M 6/32
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(47) 15.04.2020	(33) Korea (Republic)	(21) EP13382441.7
(87) US2011052316	(51) H01M 4/62	(47) 15.04.2020
29.03.2012	H01M 4/136	(22) 31.10.2013
(22) 20.09.2011	H01M 4/1397	(54) HYDRAULIC RENEWABLE ENERGY
(54) ALKALI METAL ION BATTERY WITH	H01M 4/58	PLANT
BIMETALLIC ELECTRODE	H01M 10/052	(73) Rodriguez Escribano, Mario
(73) Massachusetts Institute of Technology	(11) EP3457472	Kowalski, Kazcimirz
(72) BOYSEN, Dane, A.	(21) EP18194092.5	(72) Rodriguez Escribano, Mario
BRADWELL, David, J.	(47) 15.04.2020	Kowalski, Kazcimirz
JIANG, Kai	(22) 12.09.2018	(51) H01M 8/0258
KIM, Hojong	(54) METHOD FOR MANUFACTURING	H01M 8/0271
ORTIZ, Luis, A.	A LITHIUM-SULPHUR BATTERY	H01M 8/0276
SADOWAY, Donald, R.	ELECTRODE USING LI2S AS AN	H01M 8/04089
TOMASZOWSKA, Alina, A.	ACTIVE MATERIAL	H01M 8/241
WEI, Weifeng	(73) Commissariat à l'énergie atomique et aux	H01M 8/2455
WANG, Kangli	énergies alternatives	H01M 8/2457
(31) 384564 P	Centre National de la Recherche	H01M 8/247
(32) 20.09.2010	Scientifique	H01M 8/2483
(33) United States of America	Université Grenoble Alpes	(11) EP3499625
(51) H01M 4/36	Institut Polytechnique de Grenoble	(21) EP18210899.3
H01M 4/38	(72) ROBBA, Alice	(47) 15.04.2020
H01M 4/525	ALLOIN, Fannie	(22) 06.12.2018
H01M 4/587	BARCHASZ, Céline	(54) PEM FUEL CELL SYSTEM HAVING
H01M 10/0525	BOUCHET, Renaud	REDUCED FUEL GAZ LEAKAGE
H01M 10/0567	VINCENT, Rémi	(73) Commissariat à l'Énergie Atomique et
(11) EP3444887	(31) 1758590	aux Énergies Alternatives
(21) EP18186807.6	(32) 15.09.2017	(72) POIROT-CROUVEZIER, Jean-Philippe
(47) 15.04.2020	(33) France	ROSINI, Sébastien

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(33) France	H01P 5/20	(21) EP16000063.4
(51) H01M 10/0525	(11) EP3090465	(47) 15.04.2020
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(11) EP3416227	(47) 15.04.2020	(54) MIMO ANTENNA AND MIMO ANTENNA
(21) EP18176820.1	(87) EP2015052979	ARRANGEMENT STRUCTURE
(47) 15.04.2020	11.09.2015	(73) AGC Inc.
(22) 08.06.2018	(22) 12.02.2015	(72) Niwano, Kazuhiko
(54) LITHIUM SECONDARY BATTERY	(54) CONNECTING DEVICE FOR	Takahashi, Kouichirou
INCLUDING PHOSPHATE-BASED	WAVEGUIDES	Ikawa, Koji
ADDITIVE	(73) Siemens Aktiengesellschaft	(31) 2015016748
(73) Samsung Electronics Co., Ltd.	(72) BÜTÜNER, Ismail Cem	(32) 30.01.2015
Samsung SDI Co., Ltd.	SCHLIEPER, Olaf	(33) Japan
(72) KOH, Myongchun	WAHLE, Arno	(51) H01Q 1/22
PARK, Insun	(31) 102014203901	H01Q 1/52
PARK, Hosang	(32) 04.03.2014	H01Q 21/08
SEO, Jinah	(33) Germany	H01Q 21/28
CHUNG, Yeonji	(51) H01P 5/08	H04B 7/0413
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(32) 12.06.2017	H01Q 3/24	(21) EP17191777.6
(33) Korea (Republic)	H01Q 3/30	(47) 15.04.2020
(51) H01M 10/0525	(11) EP3432412	(22) 19.09.2017
H01M 10/0567	(21) EP16900346.4	(54) DEVICE FOR WIRELESS ACCESS
H01M 10/0568	(47) 15.04.2020	(73) Beijing Xiaomi Mobile Software Co., Ltd.
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(47) 15.04.2020	(54) DISTRIBUTION CIRCUIT AND	(32) 20.09.2016
(22) 07.12.2017	ANTENNA	(33) China
(54) NONAQUEOUS ELECTROLYTE	(73) Mitsubishi Electric Corporation	(51) H01Q 1/24
SOLUTION, NONAQUEOUS	(72) WATANABE, Hikaru	H01Q 9/04
ELECTROLYTE SECONDARY	MARUYAMA, Takashi	H01Q 13/08
BATTERY, AND METHOD OF	HIROTA, Akimichi	H01Q 13/18
PRODUCING NONAQUEOUS	YAMAGUCHI, Satoshi	(11) EP2797169
ELECTROLYTE SECONDARY	OTSUKA, Masataka	(21) EP12860370.1
BATTERY	(51) H01P 7/10	(47) 15.04.2020
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	H01P 11/00	(87) KR2012011098
Daikin Industries, Ltd.	(11) EP2882035	27.06.2013
(72) ASANO, Hiroto	(21) EP13825593.0	(22) 18.12.2012
KAWAI, Toshiyuki	(47) 15.04.2020	(54) PATCH ANTENNA ELEMENT
KONDO, Shinpei	(87) CN2013080757	(73) ACE Technologies Corporation
YAMAZAKI, Shigeaki	06.02.2014	(72) KITCHENER, Dean
KINOSHITA, Shinichi	(22) 02.08.2013	(31) 201121946
(31) 2016251642	(54) HARMONIC OSCILLATOR AND	(32) 19.12.2011
(32) 26.12.2016	MANUFACTURING METHOD	(33) United Kingdom
(33) Japan	THEREFOR, FILTER DEVICE	(51) H01Q 1/32
(51) H01M 10/44	AND ELECTROMAGNETIC WAVE	H01Q 7/00
H01M 10/46	EQUIPMENT	H01Q 21/06
H02J 7/00	(73) Kuang-chi Innovative Technology Ltd.	H01Q 21/30
H02J 7/34	(72) LIU, Ruopeng	(11) EP2736118
(11) EP3066713	XU, Guanxiang	(21) EP13194112.2
(21) EP14859768.5	LIU, Jingjing	(47) 15.04.2020
(47) 15.04.2020	REN, Yuhai	(22) 22.11.2013
(87) KR2014010469	XU, Ning	(54) Nested-loop antenna system and vehicle
14.05.2015	(31) 201210275338	including such an antenna system
(22) 04.11.2014	201210275372	(73) Thales
(54) METHOD FOR RAPID CHARGING AND	201210472115	(72) Ngo Bui Hung, Frédéric
ELECTRONIC DEVICE THEREOF	201210472217	(31) 1203159
(73) Samsung Electronics Co., Ltd.	(32) 03.08.2012	(32) 23.11.2012
(72) YUN, Chul-Eun	03.08.2012	(33) France
LEE, Ki-Sun	20.11.2012	(51) H01Q 1/32
PARK, Chul-Woo	20.11.2012	H01Q 7/00
JUNG, Ku-Chul	(33) China	H04B 1/04
HA, Young-Hee	China	H02M 7/5387
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(33) Korea (Republic)	(51) H01Q 1/12	(21) EP16174084.0

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(54) VEHICLE COMMUNICATION APPARATUS	(47) 15.04.2020	102015009564
(73) AISIN SEIKI KABUSHIKI KAISHA	(87) US2011001755	(32) 29.12.2014
(72) TABATA, Takehiro	19.04.2012	24.07.2015
(31) 2015123575	(22) 14.10.2011	(33) Germany
(32) 19.06.2015	(54) SURFACE SCATTERING ANTENNAS	Germany
(33) Japan	(73) Searete LLC	(51) H01R 12/51
(51) H01Q 3/36	(72) KUNDTZ, Nathan	H01R 4/48
H04B 1/52	BILY, Adam	H01R 9/24
(11) EP3345244	STEVENSON, Ryan Allan	H01R 13/635
(21) EP16842560.1	HUNT, John	(11) EP3139445
(47) 15.04.2020	HANNIGAN, Russell J.	(21) EP16187433.4
(87) US2016047138	SULLIVAN, Philip A.	(47) 15.04.2020
09.03.2017	NASH, David R.	(22) 06.09.2016
(22) 16.08.2016	BOARDMAN, Anna K.	(54) ASSEMBLY FOR CONNECTING
(54) APPARATUS FOR UPLINK MULTI-ANTENNA COMMUNICATION BASED ON A HYBRID COUPLER AND A TUNABLE PHASE SHIFTER	(31) 455171 P	AN ELECTRICAL CABLE TO AN ELECTRICAL CONDUCTOR TRACK
(73) Intel IP Corporation	(32) 15.10.2010	(73) Eaton Intelligent Power Limited
(72) CHANCE, Gregory	(33) United States of America	(72) BAUSCH, Christoph
TANZI, Nebil	(51) H01R 4/18	DEDENBACH, Guido
(31) 201514841034	H01R 43/16	GERVING, Karsten
(32) 31.08.2015	(11) EP3142199	THAR, Ralf
(33) United States of America	(21) EP15184752.2	ECK, Sergei
(51) H01Q 7/00	(47) 15.04.2020	(31) 102015114938
H02J 7/00	(22) 10.09.2015	(32) 07.09.2015
H04B 5/00	(54) SHEET METAL PART WITH IMPROVED CONNECTION TAB GEOMETRY AND MANUFACTURING METHOD THEREOF	(33) Germany
H02J 5/00	(73) TE Connectivity Germany GmbH	(51) H01R 12/57
H02J 7/02	TE Connectivity India Private Limited	H01R 12/58
H02J 50/12	(72) Seipel, Volker	H01R 4/48
H04W 4/80	Glombitza, Erik	(11) EP2843766
(11) EP3214769	Nickel, Jens	(21) EP14306325.3
(21) EP16189602.2	Shivananda, Sowmya	(47) 15.04.2020
(47) 15.04.2020	(51) H01R 4/64	(22) 28.08.2014
(22) 20.09.2016	F16L 53/00	(54) Electrical device including an electric circuit printed on a substrate and an electric connection terminal
(54) MOBILE TERMINAL	F24S 10/70	(73) Legrand France
(73) LG ELECTRONICS INC.	F24S 50/00	Legrand SNC
(72) CHOI, Jaehyun	(11) EP3318815	(72) Loup-Mignon, Evelyne
CHOI, Hyengcheul	(21) EP15897186.1	Daccord, Marcel
CHOI, Deuksu	(47) 15.04.2020	(31) 1358380
KIM, Dongjin	(87) JP2015069147	(32) 02.09.2013
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(54) BIT INDEX EXPLICIT REPLICATION	H04R 3/00	COMPUTER PROGRAM PRODUCT
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INTERLEUKIN-3 CONJUGATES	ARENAS-RAMIREZ, Natalia	KOSCO-VILBOIS, Marie
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(72) NELEMANS, Bert Johan	(74) ir. M. van der Velden	EL-KADY, Maher, F.
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(72) OLDANI, Fabio	(72) BRANDTS, Jim Aloysius Maria	Franciscus Maria
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(73) SMS Group GmbH	Picard, William G.	(74) J.M.H. Duyver lic.
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(22) 12.12.2017	(31) 1041813	ELECTROCHROMIC WINDOW
(54) ELEMENT SUPPORTING SPACING	(32) 12.04.2016	(73) View, Inc.
PARTS	(33) Netherlands	(72) PARKER, Ronald M.
(73) Buzon Pedestal International	(47) 26.02.2020	ROZBICKI, Robert T.
(72) Buzon, Laurent	(51) E05C 9/06	BHATNAGAR, Yashraj
Buzon, Claude	E05C 17/04	DIXIT, Abhishek Anant
Felten, Patrick	E05D 15/52	PRADHAN, Anshu A.
(74) drs. C.M.A. Quintelier	(11) EP3426871	(74) dr. W.A.H.M. Van Borm
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CONTROL UNIT FOR THE MIDDLE	(47) 01.01.2020	(21) EP17181541.8
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FOR THE BOTTOM RAIL	E21B 7/12	(54) INFLOW CONTROL VALVE AND
(73) Coullisse B.V.	G01V 3/08	DEVICE PRODUCING DISTINCT
(72) Ter Haar, Thomas Johan Maria	G01V 3/30	ACOUSTIC SIGNAL
Klein Tuente, Bastiaan Franciscus	E21B 47/022	(73) Saudi Arabian Oil Company
Davids, Harry	E21B 47/09	(72) XIAO, Jinjiang
(74) drs. C.H. Mink-Lindenburg	E21B 47/12	(74) ir. H.A. Witmans c.s.
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(33) Netherlands	SYSTEM INCLUDING SONDE	(51) F01D 5/04
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(47) 12.02.2020	GLOBAL POSITIONING SYSTEMS	F02B 39/00
(51) E06B 9/322	(73) Vermeer Manufacturing Company	F04D 29/38
E06B 9/323	(72) REMPE, Scott	(11) EP3412892
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(22) 10.08.2016	01.09.2011	(73) Mitsubishi Heavy Industries Engine &
(54) A REELING DEVICE	17.04.2012	Turbocharger, Ltd.
(73) Aluproff A/S	(33) United States of America	(72) HONDA, Hironori
(72) Petersen, Ole Stilling	United States of America	IBARAKI, Seiichi
(74) ir. F.A. Geurts c.s.	United States of America	IWAKIRI, Kenichiro
(47) 29.01.2020	(47) 22.01.2020	KANZAKA, Tadashi
(51) E21B 4/02	(51) E21B 17/042	(74) ir. H.A. Witmans c.s.
E21B 21/08	(11) EP3245378	(47) 18.03.2020
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G01F 3/06	(22) 29.12.2015	(11) EP3420207
G01F 23/296	(54) THREADED CONNECTION WITH	(21) EP17704026.8
G01N 1/20	ASYMMETRIC COATING	(22) 14.02.2017
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(22) 27.02.2014	WINKLER, Peter	(72) LUDIK, Laszlo
(54) FLOW MEASUREMENT AND FLOW	LEITNER, Reinhard	(74) dr. A. Krebs
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(73) National Oilwell Varco, L.P.	(74) ir. J.C. Volmer c.s.	(32) 24.02.2016
(72) LARSON, Thomas Robert	(31) 162015	(33) Belgium
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(51) E21B 7/02	(54) WEAR INDICATOR FOR A JOINT	(22) 06.05.2015
E21B 15/00	BETWEEN A RISER AND A FLOATING	(54) GAS ENGINE FOR A VEHICLE
(11) EP3337946	PLATFORM	(73) MAN Truck & Bus SE
(21) EP16760820.7	(73) Oil States Industries (UK) Limited	(72) Barciela, Bruno
(22) 18.08.2016	(72) JOHNSTON, Richard	Weiß, Joachim
(54) MODULAR DRILLING RIG SYSTEM	ROBERTSON, Craig	(74) J.M.H. Duyver lic.
(73) Itrec B.V.	GALLAGHER, John	(31) 102014013284
(72) DE MUL, Arthur Alexander	(74) ir. J.D. de Zeeuw	(32) 12.09.2014
ROODENBURG, Joop	(31) 201602949	(33) Germany

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(51) F02F 1/18	(74) ir. M.F.J.M. Ketelaars c.s.	SYSTEM AND PUMPING METHOD
(11) EP3260692	(31) 1530038	USING THIS PUMPING SYSTEM
(21) EP17000954.2	(32) 30.03.2015	(73) Ateliers Busch S.A.
(22) 06.06.2017	(33) Sweden	(72) MÜLLER, Didier
(54) COMBUSTION ENGINE, IN	(47) 19.02.2020	LARCHER, Jean-Eric
PARTICULAR RECIPROCATING	(51) F03D 1/00	ILTCHEV, Théodore
PISTON COMBUSTION ENGINE	F21S 8/08	(74) J.M.H. Duyver lic.
(73) MAN Truck & Bus SE	F28D 1/04	(47) 26.02.2020
(72) Scharf, Peter	F28D 7/12	(51) F04C 19/00
Schmidt, Stefan	F28D 15/00	(11) EP3325808
(74) J.M.H. Duyver lic.	F28D 15/02	(21) EP16731259.4
(31) 102016007727	F28D 20/00	(22) 15.06.2016
(32) 23.06.2016	H01F 27/10	(54) LIQUID RING PUMP
(33) Germany	H02S 40/42	(73) Edwards Limited
(47) 26.02.2020	F24T 10/13	(72) KNIGHT, Gary Peter
(51) F02G 1/043	(11) EP2818818	SEELEY, Andrew James
F02G 1/044	(21) EP14174118.1	YOUNG, Geoffrey
F02G 1/053	(22) 26.06.2014	PRICE, Duncan Michael
F02G 3/00	(54) Heat-dissipating structure having	(74) ir. F.A. Geurts c.s.
(11) EP3387242	embedded support tube to form	(31) 201512897
(21) EP16793981.8	internally recycling heat transfer fluid and	(32) 22.07.2015
(22) 03.11.2016	application apparatus	(33) United Kingdom
(54) A ROTARY STIRLING-CYCLE	(73) Yang, Tai-Her	(47) 05.02.2020
APPARATUS AND METHOD THEREOF	(72) Yang, Tai-Her	(51) F04D 7/04
(73) University Of Northumbria At Newcastle	(74) J.M.H. Duyver lic.	F04D 9/00
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MAKHKAMOVA, Irina	(32) 26.06.2013	F04D 15/00
(74) dr. W.A.H.M. Van Borm	(33) United States of America	F04D 29/62
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(51) F03B 13/14	F03D 15/00	(54) SUBMERSIBLE PUMP AND METHOD
F03B 15/00	(11) EP3123599	FOR STARTING UP SUCH A PUMP
F16H 19/04	(21) EP15748959.2	(73) Exel Industries
F16H 25/20	(22) 11.02.2015	(72) BARON, Sébastien
F16H 31/00	(54) TURBINE ENERGY DEVICE	SPICA, Maxime
G05B 11/01	(73) Ezoory, Doron E.	(74) ir. H.J.G. Lips c.s.
F03D 9/00	(72) Ezoory, Doron E.	(31) 1652942
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(73) Weng, Wen-kai	F04B 49/06	(54) IMMERSION PUMP
Weng, Yuan-yu	(11) EP3171027	(73) Einhell Germany AG
Chen, Chien-Jung	(21) EP16190238.2	(72) Agrawal, Franziska
(72) Weng, Wen-kai	(22) 22.09.2016	(74) dr. W.A.H.M. Van Borm
Weng, Yuan-yu	(54) TUBE PUMP	(47) 04.03.2020
Chen, Chien-Jung	(73) Surpass Industry Co., Ltd.	(51) F04D 19/00
(74) ir. G.J.M. Verhees	(72) IMAI, Hiroshi	F04D 25/06
(31) 201510097533	HIRAI, Kazuki	F04D 25/08
(32) 05.03.2015	(74) drs. A.A. Jilderda	F04D 29/32
(33) China	(31) 2015196747	F04D 29/52
(47) 08.01.2020	(32) 02.10.2015	F04D 29/58
(51) F03B 13/18	(33) Japan	H02K 7/14
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(22) 29.03.2016	(11) EP3198148	(54) CORELESS DONUT-TYPE MOTOR FAN
(54) WAVE POWER STATION	(21) EP14777077.0	FOR VENTILATION AND COOLING
(73) Olcon Engineering AB	(22) 26.09.2014	(73) Jang, Suk Ho

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(32) 25.06.2014	(32) 25.08.2015	(22) 14.07.2014
(33) Korea (Republic)	(33) Germany	(54) FITTINGS HAVING ARCUATE
(47) 08.01.2020	(47) 01.01.2020	STIFFNESS RIBS
(51) F15B 1/02	(51) F16J 15/02	(73) Victaulic Company
F15B 1/14	F16J 15/06	(72) BOWMAN, Matthew A.
F15B 1/16	F16L 17/067	VAN WERT, James R.
F16L 55/04	F16L 25/00	(74) drs. A.A. Jilderda
F16L 55/052	(11) EP2486310	(31) 201361847354 P
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(21) EP16828527.8	(54) HEAT-FUSIBLE GASKET AND METHOD	17.07.2013
(22) 21.07.2016	OF MANUFACTURE	(33) United States of America
(54) ABSORBER WITH A PLURALITY	(73) Prinsco, Inc.	United States of America
OF MULTI-LAYERED GAS-	(72) DOUGLASS, Carl, III	(47) 08.01.2020
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(31) 201514806205	F16K 5/12	(22) 06.11.2018
(32) 22.07.2015	(11) EP3283797	(54) ARRANGEMENT COMPRISING
(33) United States of America	(21) EP15889346.1	AN ELECTRICAL / ELECTRONIC
(47) 12.02.2020	(22) 14.04.2015	INSTALLATION DEVICE AND AN
(51) F16B 37/04	(54) SELF-CLEANING DOUBLE BLOCK AND	ELECTRIC LIGHTING DEVICE
(11) EP3303859	BLEED VALVE	(73) Insta GmbH
(21) EP16721400.6	(73) Omni Valve Company, LLC	(72) Höngen, Markus
(22) 02.05.2016	(72) PATIL, Kiran	Link, Tobias
(54) FASTENING ELEMENT	WAYCHAL, Shrikant	(74) ir. H.J.G. Lips c.s.
(73) fischerwerke GmbH & Co. KG	SANKPAL, Vijay	(31) 102018103375
(72) LINKA, Martin	(74) ir. M.F.J.M. Ketelaars c.s.	(32) 15.02.2018
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(74) ir. H.J.G. Lips c.s.	(51) F16K 31/44	(47) 12.02.2020
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(33) Germany	(21) EP18173922.8	F21V 21/02
(47) 19.02.2020	(22) 23.05.2018	F21V 23/00
(51) F16F 1/40	(54) DRAIN VALVE WITH ROTATABLE	F21Y 103/10
F16F 1/42	ANGLED OUTLET	(11) EP3425271
F16F 3/12	(73) Pall Corporation	(21) EP18000570.4
F16F 15/08	(72) BOWDERY, Dannel	(22) 29.06.2018
(11) EP3283785	(74) ir. H.J.G. Lips c.s.	(54) LIGHT HOUSING WITH EXTRUDED
(21) EP16719115.4	(31) 201715610901	PROFILED ELEMENTS
(22) 08.04.2016	(32) 01.06.2017	(73) BLV LICHT- UND VAKUUMTECHNIK
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(73) PUMPKIN MOUNTS, LLC	(47) 04.03.2020	(72) BREGA, Enrico
(72) THOMPSON, Phillip R.	(51) F16L 5/08	BERGFELD, Nils
MISSELBROOK, Nicolas K.	H02G 3/22	(74) ir. H.Th. van den Heuvel c.s.
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(33) United Kingdom	(73) Hauff-Technik GmbH & Co. KG	F21V 29/67
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(21) EP16751463.7	F16L 21/00	SOURCE MODULE
(22) 02.07.2016	F16L 21/08	(73) Guangzhou Haoyang Electronic Co., Ltd.
(54) DEVICE FOR TRIGGERING A GAS	F16L 37/091	(72) JIANG, Weikai
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(73) Wandschneider, Guido		(31) 201510880533

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F23N 5/24	H01L 23/367	(54) LASER MODULE COMPRISING A
G05B 9/03	H01L 23/427	MICRO-LENS ARRAY
(11) EP3073333	(11) EP3333530	(73) Hexagon Technology Center GmbH
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(54) Burner assembly with a safety device	(54) PARALLEL HEAT-PIPES TYPE HEAT	JENSEN, Thomas
(73) Siemens Aktiengesellschaft	SINK AND MANUFACTURING METHOD	(74) ir. H.A. Witmans c.s.
(72) Obrecht, Klaus	THEREOF	(47) 04.03.2020
(74) ir. M.F.J.M. Ketelaars c.s.	(73) Cooler Master Technology Inc.	(51) G01C 21/34
(47) 22.01.2020	(72) Wei, Yu-Te	(11) EP3209969
(51) F24C 7/10	(74) ir. M.F.J.M. Ketelaars c.s.	(21) EP15781951.7
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(73) Faber S.p.A.	(22) 06.12.2017	ZHELTOV, Stanislav
(72) Biocco, Simone	(54) HOLSTER TENSIONER DEVICE	SCHICKINGER, Thomas Gerhard
Palma, Emiliano	(73) Safariland, LLC	Helmut
Damiani, Cristiano	(72) McKendrick, Matthew	BREEN, William
(74) J.M.H. Duyver lic.	(74) ir. A.R. Aalbers	(74) J.M.H. Duyver lic.
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(73) Waste Heat Recovery Ltd.	(54) HANDGUN HAVING AIMING MEANS	G01C 21/36
(72) THOMSON, Colin Thomas	(73) Rheinmetall Soldier Electronics GmbH	(11) EP2890955
(74) J.M.H. Duyver lic.	(72) KRÜGER, Thomas	(21) EP13756875.4
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(32) 01.03.2012	(74) ir. H.A. Witmans c.s.	(54) METHOD AND APPARATUS FOR
(33) United Kingdom	(31) 102013014619	PREDICTING DESTINATIONS
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(51) F28D 7/16	(33) Germany	(72) ZIEZOLD, Hendrik Sebastian
F28D 21/00	(47) 15.01.2020	OOSTVEEN, Daan Dirk
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EXCHANGER FOR CARRYING OUT	(73) Rheinmetall Soldier Electronics GmbH	(22) 21.10.2015
THE METHOD	(72) KREUZER, Wolfgang	(54) METER OF A SUPPLY SYSTEM AND
(73) GEA TDS GmbH	THELEMANN, Trutz	SUPPLY SYSTEM
(72) SCHWENZOW, Uwe	(74) ir. H.A. Witmans c.s.	(73) INNOGY INNOVATION GMBH
LÜTKE SUNDERHAUS, Ludger	(31) 102013019281	(72) STÖCKER, Carsten
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ASSING, Hubert	(33) Germany	(74) ir. W.J.J.M. Kempes
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(11) EP3413818	(11) EP3420190	(11) EP3426533
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(11) EP3435548	(11) EP3447220	(11) EP3480017
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(11) EP3435780	(11) EP3449197	(11) EP3480174
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(11) EP3435803	(11) EP3449286	(11) EP3485394
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(11) EP3436313	(11) EP3449673	(11) EP3486237
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(11) EP3436637	(11) EP3450895	(11) EP3486736
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(11) EP3437093	(11) EP3459442	(11) EP3487343
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(11) EP3437406	(11) EP3460136	(11) EP3488664
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(11) EP3437492	(11) EP3464779	(11) EP3489458
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(11) EP3437933	(11) EP3465559	(11) EP3489968
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(11) EP3438442	(11) EP3466623	(11) EP3490936
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(11) EP3438828	(11) EP3467279	(11) EP3491072
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(11) EP3439131	(11) EP3467756	(11) EP3492390
(00) 11.12.2019	(00) 11.12.2019	(00) 11.12.2019
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(11) EP3439188	(11) EP3468906	(11) EP3493929
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(11) EP3440254	(11) EP3469122	(11) EP3497684
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(11) EP3441004	(11) EP3471882	(11) EP3499486
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VRB**Verbeteringen op eerdere publicaties.
Contains data concerning corrections.**

(11) EP3253529
(00) 10.03.2020
(00) Suspension (Rule 14)
(51) B23K 26/00
B23K 26/402

(11) EP3399542
(00) 10.03.2020
(00) Suspension (Rule 14)
(51) B23K 103/00
B28D 5/00
H01L 21/02
H01L 21/78
B23K 26/00
B23K 26/40
B23K 26/402
B23K 26/53

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) LONZA, LLC	H04B 10/54	(00) Merge
(73) LONZA, LLC	(00) Change of Legal Entity	(71) Palantir Technologies Inc.
(11) EP1649079	(71) Touchstone International Medical	(73) Palantir Technologies Inc.
(00) 07.04.2020	Science Co., Ltd.	(11) EP2779572
(51) C09D 5/08	(73) Touchstone International Medical	(00) 30.03.2020
C23F 11/14	Science Co., Ltd.	(51) H04L 29/06
C23G 1/14	(11) EP2752161	(00) Change of owner(s) name
C23G 5/06	(00) 07.04.2020	(71) Palantir Technologies Inc.
E21B 41/02	(51) A61B 17/115	(73) Palantir Technologies Inc.
(00) Merge	A61B 17/34	(11) EP2881868
(71) Hitachi High-Tech Corporation	A61B 90/00	(00) 30.03.2020
(73) Hitachi High-Tech Corporation	(00) Change of owner(s) name	(51) G06F 17/30
(11) 2017213	(71) Touchstone International Medical	(00) Change of owner(s) name
(00) 02.04.2020	Science Co., Ltd.	(71) Adamed Pharma S.A.
(51) H01J 37/153	(73) Touchstone International Medical	(73) Adamed Pharma S.A.
(00) Change of owner(s) name	Science Co., Ltd.	(11) EP2919815
(71) LONZA, LLC	(11) EP2752162	(00) 09.04.2020
(73) LONZA, LLC	(00) 07.04.2020	(51) A61K 9/14
(11) EP2758347	(51) A61B 17/11	A61K 9/16
(00) 07.04.2020	A61B 17/115	A61K 9/20
(51) C02F 1/50	A61B 17/3205	A61K 9/50
(00) Merge	A61B 17/34	A61K 31/403
(71) MOTION SPORTS, LLC	A61B 90/00	A61K 31/404
(73) MOTION SPORTS, LLC	(00) Change of owner(s) name	A61K 31/44
(11) EP1739002	(71) Touchstone International Medical	A61K 31/4422
(00) 20.03.2020	Science Co., Ltd.	A61K 45/06
(51) B63B 35/81	(73) Touchstone International Medical	(00) Merge
(00) Change of Legal Entity	Science Co., Ltd.	(71) Humetrix
(71) UNIT4 Fiscaal Gemak B.V.	(11) EP2939611	Experton, Bettina
(73) UNIT4 Fiscaal Gemak B.V.	(00) 07.04.2020	(73) Humetrix
(11) 2014517	(51) A61B 17/00	Experton, Bettina
(00) 06.04.2020	A61B 17/115	(11) EP2946323
(51) G06F 17/30	A61B 90/00	(00) 27.03.2020
G06Q 10/00	(00) Change of owner(s) name	(51) G06Q 50/22
(00) Change of owner(s) name	(71) Palantir Technologies Inc.	G16H 10/60
(71) Sebacia, Inc.	(73) Palantir Technologies Inc.	(00) Change of owner(s) name
(73) Sebacia, Inc.	(11) EP2778974	(71) Dynatect Europe GmbH
(11) EP3213738	(00) 30.03.2020	(73) Dynatect Europe GmbH
(00) 24.03.2020	(51) G06F 16/26	(11) EP2846071
(51) A61K 8/02	G06F 16/335	(00) 14.04.2020
A61K 8/11	G06F 16/35	(51) B60H 1/00
A61K 8/14	G06F 16/904	B61D 27/00
A61K 8/19	(00) Change of owner(s) name	F16L 11/10
A61N 5/06	(71) Palantir Technologies Inc.	F16L 11/11
A61Q 19/00	(73) Palantir Technologies Inc.	F16L 11/115
A61K 33/24	(11) EP2778972	F16L 11/12
(00) Assignment	(00) 30.03.2020	F16L 11/15
(71) Galvion Ltd.	(51) G06F 9/50	F16L 27/107
(73) Galvion Ltd.	G06F 12/0813	F24F 13/02
(11) EP3013168	G06F 12/084	(00) Merge
(00) 23.03.2020	G06F 12/1009	(71) University College Cardiff Consultants
(51) A42B 3/04	G06F 16/2455	Ltd
(00) Change of owner(s) name	(00) Change of owner(s) name	(73) University College Cardiff Consultants
(71) Luxtera LLC	(71) Adamed Pharma S.A.	Ltd
(73) Luxtera LLC	(73) Adamed Pharma S.A.	(11) EP3129496
(11) EP3046275	(11) EP2661496	(00) 27.03.2020
(00) 24.03.2020	(00) 09.04.2020	(51) C12Q 1/6883
(51) H04B 10/50	(51) C07K 14/435	(00) Assignment
H04B 10/516	C07K 14/705	(71) Kyowa Kirin Co., Ltd.
H04B 10/524	C07K 14/78	(11) 300939
	C12N 15/62	(00) 09.04.2020

(00) Change of owner(s) name

TVH

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