



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**

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadres

Postbus 10366

2501 HJ Den Haag

Telefoon: 088-0426656

Bankrekeningnummer:

Voor taksen en depotrekeningen:

ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

## Introduction

### Patent Bulletin

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

### Official Journal

Appears four times a year (January, April, July, October) in electronic form on the [www.rvo.nl/octrooien](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**

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadress

Post Office Box: 10366

2501 HJ Den Haag

Telephone: +31(0)88 0426656

Account:

Fees, deposit accounts:

ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

<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>16 Heading NP2</b> Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	<b>16</b>
<b>Rubriek NP3</b> Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	<b>25 Heading NP3</b> Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	<b>25</b>
<b>Rubriek EP1</b> Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	<b>26 Heading EP1</b> Contains data concerning translations of the conclusions of European patent applications.	<b>26</b>
<b>Rubriek EP2</b> Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	<b>27 Heading EP2</b> Contains data concerning European patents granted for The Netherlands.	<b>27</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>135 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>135</b>
<b>Rubriek EP4</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	<b>150 Heading EP4</b> Contains data concerning European patents granted in amended form for the Netherlands.	<b>150</b>
<b>Rubriek EP5</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde	<b>151 Heading EP5</b> Contains data concerning European patents granted in amended form for	<b>151</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>152Heading SPC</b> Contains data concerning applications for- or granted Supplementary Protection Certificates.	152
<b>Rubriek VB1</b> Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.	<b>153Heading VB1</b> Contains data concerning requests and notices of opposition under the General administrative law.	153
<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>154Heading 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.	154
<b>Rubriek MED</b> Bevat gegevens betreffende overige mededelingen.	<b>155Heading MED</b> Contains data concerning other communications.	155
<b>Rubriek VRV</b> Bevat gegevens betreffende verval of nietigverklaring.	<b>156Heading VRV</b> Contains data concerning lapse or annulment.	156
<b>Rubriek VRB</b> Bevat gegevens betreffende verbeteringen op eerdere publicaties.	<b>173Heading VRB</b> Contains data concerning corrections on earlier publications.	173
<b>Rubriek CO</b> Bevat gegevens betreffende wijzigingen in het octrooiregister.	<b>174Heading CO</b> Contains data concerning changes in the Netherland patent register.	174
<b>Rubriek TVH</b> Bevat gegevens betreffende topografieën van halfgeleiderproducten.	<b>176Heading TVH</b> Contains data concerning depots of original topographies of semi-conductor products.	176

<b>Rubriek UP1</b> Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	<b>177Heading UP1</b> Contains data concerning European patents with registered Unitary Effect.	177
<b>Rubriek UP2</b> Bevat gegevens over Europese octrooien met geregistreerd verzoek ex. artikel 52a (herstel recht op validatie).	<b>178Heading UP2</b> Contains data concerning European patents with registered request ex article 52a (restoration of validation right).	178
<b>Rubriek UP3</b> Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en complete validatie.	<b>179Heading UP3</b> Contains data concerning European patents with accepted ex article 52a (restoration of validation right) and validation completed.	179
<b>Rubriek UP4</b> Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en geen complete validatie.	<b>180Heading UP4</b> Contains data concerning European patents with accepted request ex article 52a (restoration of validation right) and incomplete validation.	180
<b>Rubriek UP5</b> Bevat gegevens over Europese octrooien met afgewezen verzoek ex. artikel 52a (herstel recht op validatie).	<b>181Heading UP5</b> Contains data concerning European patents with rejected request ex article 52a (restoration of validation right).	181
<b>Rubriek UP6</b> Bevat gegevens over Europese octrooien met ingetrokken verzoek ex. artikel 52a (herstel recht op validatie).	<b>182Heading UP6</b> Contains data concerning European patents with withdrawn request ex article 52a (restoration of validation right).	182

## 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) A01G 5/00 A01G 5/02	United States of America	(54) System and method for irrigation of plant elements inside growth boxes
(21) 2027338	(51) A01G 9/24	(71) Eden Advanced Technologies
(22) 18.01.2021	A01G 7/04	(74) dr. A. Ellens c.s.
(54) Inrichting en werkwijze voor het vormen van boeketten	H05B 45/10	(72) Toms Bernhards
(71) Havatec B.V.	(21) 2030991	Matthias Christiaan Haas
(74) ir. H.A. Witmans c.s.	(22) 17.02.2022	(41) 19.09.2022
(72) Peter Schmal	(54) METHODS AND SYSTEMS FOR CONTROLLING HORTICULTURAL LIGHT	(51) A01K 1/00
Ronald Sparreboom	(71) SOLLUM TECHNOLOGIES INC.	E04B 9/00
(51) A01G 9/22	(74) ir. J.C. Volmer c.s.	E04B 9/02
(21) 1043950	(72) Kassim Tremblay	E04B 9/04
(22) 23.02.2021	Charles Smith	E04B 9/18
(54) SCHERMINRICHTING EN KAS WAARIN DEZE IS TOEGEPAST	Marc Tremblay	E04B 9/22
(71) Huisman Scherming B.V.	Francois Roy-Moisan	E04B 9/24
(72) Jan van der Lee	Louis Brun	E04B 1/94
Ruud Vlottes	Jacques Poirier	(21) 2027655
(41) 19.09.2022	Gabriel Dupras	(22) 26.02.2021
(51) A01G 9/24	Patrick Menard	(54) Veestaf voorzien van een plafond
(21) 2027656	Guillaume Tourville	(71) Slaats BV
(22) 26.02.2021	Leandre Arseneault	(74) ir. G.J.M. Verhees
(54) Greenhouse having an air treatment unit with perforated air tubes	(31) 63/150,438	(72) Marko van Asten
(71) Belua Beheer B.V.	(32) 17.02.2021	(41) 20.09.2022
(74) dr. R.C. van Duijvenbode c.s.	(33) United States of America	(51) A01K 1/015
(72) Leendert Willem de Rijke	(51) A01G 9/24	(21) 2027577
Johannes Adrianus Hendrikus Maria van der Sande	F24F 7/02	(22) 17.02.2021
Arjan van Nieuwenhuijzen	(21) 2027639	(54) Vloersysteem voor dierenstal
Pepijn Vermeulen	(22) 24.02.2021	(71) Lely Patent N.V.
(51) A01G 9/24	(54) Roof ventilation system for a greenhouse	(74) ir. M.J.F.M. Corten
A01G 7/04	(71) Belua Beheer B.V.	(72) Korstiaan Cornelis Blokland
H05B 41/36	(74) dr. R.C. van Duijvenbode c.s.	(41) 14.09.2022
H05B 45/10	(72) Gijs van den Berg	(51) A01M 21/04
H05B 47/105	Pepijn Vermeulen	A01M 21/00
(21) 2030992	(51) A01G 25/16	(21) 2027627
(22) 17.02.2022	(21) 2027633	(22) 23.02.2021
(54) METHOD AND SYSTEM FOR SIMULATING AND IMPLEMENTING HORTICULTURAL LIGHTING SCENARIOS	(22) 23.02.2021	(54) APPARATUS AND METHOD FOR CONTROLLING WEED GROWING ON A GROUND SURFACE
(71) SOLLUM TECHNOLOGIES INC.	(54) IRRIGATION SYSTEM FOR HORTICULTURE AND METHOD FOR OPERATING THE SAME	(71) FORTITUDE HOLDINGS AS
(74) ir. J.C. Volmer c.s.	(71) Kharim Mohammed Walter Pani	(74) dr. ir. G.J.C. Verdijck c.s.
(72) Gabriel Dupras	(74) M. Gilio	(72) Hendrik van de Haar
Jacques Poirier	(72) Kharim Mohammed Walter Pani	Jan van Hensbergen
Leandre Arseneault	(41) 20.09.2022	(41) 20.09.2022
Francois Roy-Moisan	(51) A01G 27/06	(51) A21B 3/13
Patrick Menard	(21) 2027652	B29C 44/58
Guillaume Tourville	(22) 25.02.2021	B65D 85/32
Marc Tremblay	(54) WICK CUTTING AND INSERTING SYSTEM	B29C 45/73
(31) 63/150,438	(71) Waterwick B.V.	(21) 2027614
63/200,700	(74) dr. ir. G.J.C. Verdijck c.s.	(22) 22.02.2021
(32) 17.02.2021	(72) Anthony Visser	(54) Mold and method for mold forming products
23.03.2021	(41) 20.09.2022	(71) PaperFoam Holding B.V.
(33) United States of America	(51) A01G 31/02	(74) ir. H.A. Witmans c.s.
	A01G 9/02	(72) Jochem Alex Blum
	(21) 2027623	Nynke Margaretha Zandstra
	(22) 23.02.2021	Menno Eduard Groenevelt
		Jan Wietze Huisman
		(41) 19.09.2022

(51) A22C 17/14	(51) A23J 3/04	(41) 20.09.2022
(21) 2027565	F28D 7/10	(51) A45B 11/00
(22) 16.02.2021	(21) 2027590	B62J 11/00
(54) Separating an intestine from a bowel package	(22) 18.02.2021	B62J 17/00
(71) CTH B.V.	(54) TWO-STAGE COOLING PROCESS FOR LARVAE PUREE	B62J 17/08
(74) dr. A. Ellens c.s.	(71) Protix B.V.	(21) 1043941
(72) Johannes Wilhelmus Nicolaas van Lijssel	(74) dr. R.C. van Duijvenbode c.s.	(22) 17.02.2021
Jeroen René Maria Colpaert	(72) Eric Holland Schmitt	(54) Double layer rainscreen
Johannes Frederik Hansen	Aman Paul	(71) ir. Harry Wassink
Michal Grzyb	(41) 15.09.2022	(72) ir. Harry Wassink
Sander Hendrik Luciën Hochstenbach	(51) A23J 3/14	(41) 14.09.2022
Rob den Besten	A23J 3/26	(51) A45C 5/14
Cederic Cecilius Hendrikus Johannes	A23J 3/34	A45C 5/03
Maria Rutting	(21) 2027674	(21) 2027597
(41) 14.09.2022	(22) 26.02.2021	(22) 19.02.2021
(51) A22C 17/14	(54) A Method for Improving the Quality of High-moisture Texturized Peanut Protein by TG Enzyme	(54) A suitcase
(21) 2027566	(71) Institute of Food Science and Technology	(71) Baas Invest B.V.
(22) 16.02.2021	Chinese Academy of Agricultural Sciences	(74) ir. M. van der Velden
(54) Separating an intestine from a bowel package	(74) dr. J. van Straaten	(72) Nicolaas Baas
(71) CTH B.V.	(72) Qiang Wang	(51) A47J 37/12
(74) dr. A. Ellens c.s.	Jinchuang Zhang	(21) 2027584
(72) Johannes Wilhelmus Nicolaas van Lijssel	Li Liu	(22) 18.02.2021
Jeroen René Maria Colpaert	Hongzhi Liu	(54) Systeem voor het met olie behandelen van voedingsproducten
Johannes Frederik Hansen	Aimin Shi	(71) Kiremko B.V.
Michal Grzyb	Hui Hu	(74) ir. A. Blokland c.s.
Sander Hendrik Luciën Hochstenbach	Shi Meng	(72) Hartger Luidinga
Rob den Besten	Chen Wang	Hendrikus Johannes Maria van Oorschot
Cederic Cecilius Hendrikus Johannes	(41) 20.09.2022	(41) 15.09.2022
Maria Rutting	(51) A23K 20/20	(51) A47K 10/36
(41) 14.09.2022	A23K 50/80	B65H 35/00
(51) A22C 21/00	(21) 2032768	(21) 1043955
(21) 1043944	(22) 16.08.2022	(22) 01.03.2021
(22) 18.02.2021	(54) ELEMENT COMPOSITION FOR AQUACULTURE AND USE METHOD THEREOF	(54) FOLIEDISPENSER
(54) Method for obtaining a food product and delicacy for human consumption from a chicken back piece	(71) SHEYANG COUNTY CHENYU AQUACULTURE CO., LTD	(71) Bos Kaasbedrijven B.V.
(71) Recep Koyuncu	(74) ir. M.B. Plaggenborg	(72) Martijn Herman Bos
(74) ir. A. Blokland c.s.	(72) Yebing Yu	(41) 20.09.2022
(72) Recep Koyuncu	Yu Chen	(51) A61B 34/10
(41) 15.09.2022	Ye Chen	G06N 3/08
(51) A23C 19/06	(51) A23L 17/30	G06T 7/162
A23C 19/084	A23L 29/256	(21) 2032742
A01J 27/04	A23L 29/30	(22) 12.08.2022
A23L 27/00	(21) 2027568	(54) A SURGICAL NAVIGATION SYSTEM BASED ON ARTIFICIAL INTELLIGENCE AND GRAPH THEORY ALGORITHM
A23C 19/09	(22) 16.02.2021	(71) Lishui University
A23C 19/14	(54) METHOD FOR PRODUCING AN ALTERNATIVE FOR ROE AND ITS PRODUCT	(74) ir. M.B. Plaggenborg
A23L 27/10	(71) Seafood Connection B.V.	(72) Yahong Chen
A23C 19/16	(74) ir. J.P.E. Brants	(51) A61H 3/06
(21) 2027620	(72) Takeyuki Nakazawa	(21) 2027570
(22) 23.02.2021	(41) 14.09.2022	(22) 16.02.2021
(54) Method for manufacturing flavored cheese and a flavored cheese stack	(51) A41D 13/11	(54) Werkwijze voor het op een ondergrond aanbrengen van een markering voor blinden en slechtienden.
(71) Wijngaard Kaas B.V.	A62B 7/12	(71) Kick Tg Holding BV
(74) mr. ir. J. van Breda c.s.	A61L 9/20	(74) mr. M.J.I. Koomen c.s.
(72) Marinus van den Wijngaard	A62B 18/02	(72) Tamar Vanessa Grambeek
(41) 19.09.2022	(21) 1043951	(51) A61K 41/00
(51) A23G 1/50	(22) 24.02.2021	A61K 49/00
(21) 1043949	(54) Draagbare inrichting voor het voorkomen van virale of bacteriële besmetting van een persoon.	A61K 51/04
(22) 22.02.2021	(71) drs R.W. Brouwer	A61P 35/00
(54) Chocolade-producten en werkwijzen voor het vervaardigen daarvan	(72) Robbert Willem Brouwer	A61K 103/00
(71) DanielZ chocolate B.V.		A61K 103/30
(74) drs. O. Griebing		A61K 103/34
(72) Daniël Cornelis Marinus Jacobus Bogers		(21) 2027653
(41) 19.09.2022		(22) 25.02.2021
		(54) Targeting system with improved uptake

(71) Coretag Holding A.G.	(51) A61N 1/05	A01G 18/10
(74) drs. P.A. van Essen c.s.	A61N 2/00	(21) 2032725
(72) Markwin Hendrik Maring Carel Jan Vogels	A61N 1/36	(22) 10.08.2022
(51) A61K 47/69	A61N 5/06	(54) METHOD FOR REDUCING CADMIUM CONTENT IN LENTINULA EDODES MYCELIA UNDER CADMIUM STRESS
A61K 47/62	A61N 7/00	(71) Henan Agricultural University
A61K 49/18	(21) 2027585	(74) ir. M.B. Plaggenborg
A61K 49/00	(22) 18.02.2021	(72) Yue Shen
A61K 51/12	(54) Systems and methods for stimulating the pituitary gland or the pituitary stalk	Xianqing Huang
A61K 31/573	(71) Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)	Peijun Zhao
A61K 31/704	(74) dr. A. Krebs	Guangshan Zhao
A61K 38/16	(72) Wouter R. van Furth	Mingwu Qiao
A61K 48/00	(41) 14.09.2022	Tianlin Wang
A61P 25/00	(51) A63B 5/11	Shiqiong Wang
A61P 31/18	(21) 2027574	Qian Li
A61P 35/00	(22) 17.02.2021	Xiya Zhang
(21) 2027601	(54) Hydrotherapy apparatus	Yexuan Mao
(22) 19.02.2021	(71) A.B.S. Roeland NV	Tiange Li
(54) Target mediated endocytotic drug delivery	(74) dr. ir. G.J.C. Verdijck c.s.	Qiuyan Zhao
(71) CRM Therapeutics B.V.	(72) Carlo Roeland	Yan Ma
(74) drs. P.A. van Essen c.s.	Dominik Claeys	Lianjun Song
(72) Albertus Gerrit de Boer	(41) 14.09.2022	Yinping Wang
Markwin Hendrik Maring	(51) A63G 31/02	Ping'an Zhang
(41) 19.09.2022	A63G 1/10	Ning Li
(51) A61L 26/00	(21) 2027619	Dan Hai
(21) 2030477	(22) 23.02.2021	Bei Zhang
(22) 08.01.2022	(54) Amusement system for showing an event in a scene room.	Yongxia Cheng
(54) Underwater Elastic Cellulose Aerogel and Preparation Method and Application Thereof	(71) Vekoma Rides Engineering B.V.	Meng Dang
(71) Advanced Materials Institute, Shandong Academy of Sciences	(74) ir. J.C. Volmer c.s.	(31) 202210727425.7
(74) dr. T. Wittop Koning PhD	(72) Bart Harteloh	(32) 24.06.2022
(72) Huaipeng Pang	(41) 19.09.2022	(33) China
Guoran Liu	(51) B01D 19/00	(51) B23K 26/16
Meng Wang	C02F 1/20	B23Q 1/25
Peipei Sun	F24D 19/08	(21) 2031057
Yong Li	(21) 2027613	(22) 23.02.2022
(31) 202110212618.4	(22) 22.02.2021	(54) DOUBLE-STATION MOVABLE WORKTABLE FOR LASER CUTTING MACHINE
(32) 25.02.2021	(54) Low pressure degassing device	(71) Nobot Intelligent Equipment (Shandong) Co., Ltd.
(33) China	(71) Flamco B.V.	(74) ir. M.B. Plaggenborg
(51) A61L 27/14	(74) ir. J.C. Volmer c.s.	(72) Dongjie Zhao
A61F 2/00	(72) Jan Henk Cnossen	Liwei Fu
A61L 27/50	(41) 19.09.2022	Xinhua Yan
A61L 31/04	(51) B01D 53/52	Qianguang Tang
A61L 31/14	B01D 53/58	Qun Sun
G01N 33/00	(21) 2027602	(31) 202110221351.5
(21) 2027599	(22) 19.02.2021	(32) 27.02.2021
(22) 19.02.2021	(54) Systeem voor reiniging van verontreinigde lucht	(33) China
(54) Biocompatible polymeric implant material having a textured surface	(71) Spekpannekoek BV	(51) B23Q 3/02
(71) Instructure Labs B.V.	(74) ir. A. Ferguson	B27B 9/04
(74) dr. A. Krebs	(72) Jakob Gerrit Hendrik Pannekoek	(21) 1043937
(72) Noel Lee Davison	Ger Pannekoek	(22) 16.02.2021
(41) 19.09.2022	Anne Margreet Pannekoek - van het Erve	(54) SAW GUIDE DEVICE
(51) A61M 21/02	(41) 19.09.2022	(71) Petrus Marie Coolen
G09B 23/28	(51) B01D 53/62	(72) Petrus Marie Coolen
(21) 2027643	B01D 53/84	(41) 14.09.2022
(22) 25.02.2021	A01C 21/00	(51) B25C 1/08
(54) Relaxation device with breathing motion simulator.	(21) 2027670	F17C 13/04
(71) Somnox Holding B.V.	(22) 26.02.2021	(21) 2031022
(74) ir. J.C. Volmer c.s.	(54) Reducing carbon dioxide levels in the atmosphere	(22) 21.02.2022
(72) Lucas Jan Bolier	(71) Van Merksteijn Real Estate B.V.	(54) Combustion-Powered Fastener Driving Tool Fuel Supply Canisters and Fuel Supply Canister Valve Assemblies
Stijn Jeroen Antonisse	(74) dr. ir. G.J.C. Verdijck c.s.	(71) SYMPAFIX BV
(41) 20.09.2022	(72) Jacobus Lambertus van Merksteijn	(74) ir. W.J.J.M. Kempes
(51) B09C 1/10	(41) 20.09.2022	(72) Paul Geuvers

(31) 2102406.2 2103790.8	dimension and method of producing said objects	(41) 15.09.2022
(32) 19.02.2021 18.03.2021	(71) Mertens NV (74) dr. ir. G.J.C. Verdijck c.s.	(51) B62B 1/20 (21) 2032737 (22) 11.08.2022
(33) United Kingdom United Kingdom	(72) Maikel Elst (41) 20.09.2022	(54) CIVIL ENGINEER MATERIAL CONVEYING DEVICE
(51) B26D 1/157 B26D 1/16 B26D 1/18 B26D 7/01 B26D 7/20 B26D 7/26	(51) B29C 65/00 B29D 30/42 (21) 2027675 (22) 01.03.2021 (54) Method and splicer for splicing a leading end and a trailing end of a tire component	(71) ZHENGZHOU UNIVERSITY OF AERONAUTICS PINGDINGSHAN HIGHWAY TRANSPORTATION INSTITUTE OF SURVEY AND DESIGN (74) ir. M.B. Plaggenborg (72) Ding Wang Wentong Zhao Haiwei Zhang Xiumin Cui Juanfang Li
(21) 2027569 (22) 16.02.2021 (54) Applicator unit, tire building device and method for applying a strip to a drum	(71) VMI Holland B.V. (74) ir. F.A. Geurts c.s. (72) Willem Marinus van Beek (41) 20.09.2022	
(71) VMI Holland B.V. (74) ir. F.A. Geurts c.s. (72) Gerardus Johannes Catharina van Laar (41) 14.09.2022	(51) B60M 1/23 (21) 2030886 (22) 10.02.2022	(51) B62B 3/02 A47F 7/24 B65D 85/18 (21) 2027609 (22) 22.02.2021 (54) A roll container (71) VRC S. van der Veen Rol-Containers B.V. (74) ir. J.C. Volmer c.s. (72) Sander van der Veen (41) 19.09.2022
(51) B27G 11/00 (21) 2029169 (22) 10.09.2021 (54) A Type of Glue Spraying Equipment for Door Panel Production	(54) Holder for a catenary carrier cable supporting an overhead contact wire (71) VolkerWessels Intellectuele Eigendom B.V. (74) dr. R.C. van Duijvenbode c.s. (72) M. H Arts (31) 2027531 (32) 10.02.2021 (33) Netherlands	
(71) Lishui Liujin Automation Equipment Co., Ltd (74) drs. C.M.A. Quintelier (72) Zhangyong Xiang (41) 20.09.2022 (31) 202121604672.5 (32) 15.07.2021 (33) China	(51) B60P 3/42 B60J 5/04 B61D 19/00 (21) 2027659 (22) 26.02.2021 (54) Public transport vehicle for the flexible transport of freight and/or passengers	(51) B63B 35/04 F16L 1/19 F16L 1/20 (21) 2027624 (22) 23.02.2021 (54) METHOD AND DEVICE FOR OVERBOARDING FROM A VESSEL A JOINTED ELONGATED FLEXIBLE ARTICLE (71) DEME Offshore NL B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Marco Martinus Maria Gremmen Philip Meijnardt Jacobus Scheers Lucas Adriaan Maria Bols (41) 20.09.2022
(51) B29C 45/14 F28D 9/00 F28F 21/06 B29L 31/18 (21) 2027649 (22) 25.02.2021 (54) PROCESS TO MANUFACTURE AN INTERCONNECTED STACK OF THERMOPLASTIC FRAMES	(71) MISSION INNOVATIONS B.V. (74) ir. A. Blokland c.s. (72) Marc Hubert Kerkhofs Johannes Gertrudis Josephus van der Donk (41) 20.09.2022	
(71) DUTCH INNOVATION IN AIR TREATMENT B.V. (74) ir. M. Cramwinckel (72) Vincent Trip Arthur van der Lee (41) 20.09.2022	(51) B60S 1/56 G02B 27/00 G01S 17/931 (21) 2027610 (22) 22.02.2021 (54) Cleaning device, motor vehicle and method	(41) 20.09.2022 (51) B65D 1/36 B65D 77/02 B65D 81/20 (21) 2027607 (22) 22.02.2021 (54) A pizza support (71) Conveni Liessel B.V. (74) mr. ir. J. van Breda c.s. (72) Hennie Gijsbers (41) 19.09.2022
(51) B29C 53/42 (21) 2027672 (22) 26.02.2021 (54) Closed profile made of a thermoplastic composite material	(71) MCi (Mirror Controls International) Netherlands B.V. (74) ir. H.A. Witmans c.s. (72) Jannick Daniël Wijntjes (41) 19.09.2022	
(71) Dutch Thermoplastic Components B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) David Reijer Manten Dennis Lunenburg Peter Floris Evert Boer Wesley Houtman (41) 20.09.2022	(51) B60T 3/00 B65G 69/00 (21) 2027580 (22) 18.02.2021 (54) Inrichting voor het handmatig blokkeren van het wiel van een vrachtwagen op een rijbaan voor een gevel met een laad- en losperon.	(51) B65D 5/06 B65D 5/60 (21) 1043946 (22) 22.02.2021 (54) Bag in box met bovensluiting (71) Anderling B.V. (72) H.C.A. Hoekstra (41) 19.09.2022
(51) B29C 53/60 B29C 53/82 (21) 2027644 (22) 25.02.2021 (54) Mold and system configured to produce tubular laminated objects of variable	(71) Hörmann Alkmaar BV (74) mr. M.J.I. Koomen c.s. (72) Robbert Pieter Hendrikus Blom Arie Pieter Cornelis Koopman Frank Wolkers	(51) B65G 23/44 B65G 15/00 B65G 21/06 (21) 2027658 (22) 26.02.2021

(54) Transportsysteem omvattende meerdere transporteenheden voor het transporteren van producten	(54) Een verplaatsbaar scheidingsstation en een werkwijze voor het filtreren van water	Yang Zhang Tian Zhang
(71) Vanderlande Industries B.V.	(71) Aqua D en S B.V.	(51) D06J 1/00
(74) ir. A. Blokland c.s.	(74) ir. M. van der Velden	(21) 2027651
(72) Monique Kramer	(72) Richardus Bernardus Wigbertus Maria Feijnsman	(22) 25.02.2021
Sander Bernard Wilhelmus van Roosmalen	(41) 20.09.2022	(54) Inrichting voor het vervaardigen van een geplooid gordijn
(41) 20.09.2022	(31) 2027657	(71) Eisenkolb Beheer B.V.
(51) B65G 25/06	(32) 26.02.2021	(74) dr. ir. G.J.C. Verdijck c.s.
(21) 2027595	(33) Netherlands	(72) Johannes Adrianus Maria Vernooij
(22) 19.02.2021	(51) C05F 9/02	(41) 20.09.2022
(54) Slat for a reciprocating slat conveyor	C05F 17/95	(51) E01C 9/08
(71) Cargo Mac B.V.	C05F 9/04	E01C 3/04
(74) ir. F.A. Geurts c.s.	C05F 17/05	E01C 21/00
(72) Frans Arian Heino de Raad	C05F 17/971	(21) 1044179
Nicolaas Marc Mater	(21) 2027676	(22) 07.10.2021
(51) B65G 69/00	(22) 01.03.2021	(54) Wegenbouwkundig fundatiesysteem voor een tijdelijke weg
(21) 2027581	(54) Vermicomposting device, method for producing vermicompost, compost.	(71) Romfix B.V.
(22) 18.02.2021	(71) Waste No Waste B.V.	(72) Paul Johannes Hermans van Riel
(54) Geleiding en wagen voor toepassing bij een inrichting voor het blokkeren van het wiel van een vrachtwagen op een rijbaan voor een laad- en losperron.	(74) ir. A. Blokland c.s.	(41) 20.09.2022
(71) Hörmann Alkmaar BV	(72) Pieter Jan Vos	(31) 1043954
(74) mr. M.J.I. Koomen c.s.	Alexandre Charles Roger Motta	(32) 26.02.2021
(72) Robbert Pieter Hendrikus Blom	Marloes Prins	(33) Netherlands
Arie Pieter Cornelis Koopman	(41) 20.09.2022	(51) E01F 15/04
Frank Wolkers	(51) C08G 65/336	(21) 1043934
(41) 15.09.2022	C09J 171/00	(22) 15.02.2021
(51) B66C 23/34	C09J 201/10	(54) Rail profile, and guardrail comprising two of such rail profiles
B66C 23/70	C09J 175/04	(71) Millvision B.V.
(21) 1043943	(21) 2027625	Kiem Innovations B.V.
(22) 18.02.2021	(22) 23.02.2021	RB Biobased Institute B.V.
(54) Meervoudig inzetbare torenkraan.	(54) Flexible Adhesive for gluing	Naftex GmbH
(71) ir. Peter Paul Thomas Cornelia Stoof	(71) Strongbond B.V.	(74) drs. O. Griebing
(72) ir. Peter Paul Thomas Cornelia Stoof	(74) drs. P.A. van Essen c.s.	(72) Ronald Johannes Norbertus van der Plas
(41) 14.09.2022	(72) Rudolph Frank de Block	Rainer Koopmann
(51) C02F 1/00	Ilse Adriëne van Hees	Daniel Willibrordus van Rooijen
B01D 39/20	(41) 19.09.2022	Jan Arie Rodenburg
(21) 2027592	(51) C12N 5/077	Harm Jan Thiewes
(22) 18.02.2021	C12N 15/86	Leonardus Petrus Adrianus Antonius Joore
(54) DEVICE AND METHOD FOR SEPARATING SOLIDS FROM WASH-WATER EXITING AN EXHAUST GAS CLEANING SYSTEM (EGCS)	(21) 2032736	(51) E02F 9/26
(71) WFU B.V.	(22) 11.08.2022	E02F 3/36
(74) dr. ir. G.J.C. Verdijck c.s.	(54) IMMORTALIZED YAK RUMEN FIBROBLAST CELL LINE AND CONSTRUCTION AND APPLICATION THEREOF	(21) 2027630
(72) Christiaan Leo Evert Nijst	(71) SICHUAN AGRICULTURAL UNIVERSITY	(22) 23.02.2021
Franciscus Johannes Maria Schrauwen	(74) ir. M.B. Plaggenborg	(54) A quick coupler and a construction machine comprising the quick coupler
(41) 15.09.2022	(72) Junmei Wang	(71) Eurosteel Engineering B.V.
(51) C02F 1/42	Huawei Zou	(74) ir. A. Blokland c.s.
B01J 39/05	Zhisheng Wang	(72) Tom van Soest
B01J 39/18	Rui Hu	Wilhelmus Petronella Linssen
(21) 2027567	(51) C12P 7/06	(41) 20.09.2022
(22) 16.02.2021	(21) 2032740	(51) E04B 1/76
(54) Method and apparatus for reducing sodium content in cultivation water for plants and cultivation system comprising said apparatus	(22) 11.08.2022	E04D 13/16
(71) Van Dijk Heating B.V.	(54) WERKWIJZE VOOR BIOPRODUCTIE VAN ETHANOL UIT TUNGBOOMBLADEREN	E04B 1/80
(74) dr. ir. G.J.C. Verdijck c.s.	(71) HENAN AGRICULTURAL UNIVERSITY	E04B 1/86
(72) Bart Jan van den Berg	(74) ir. M.B. Plaggenborg	E04B 1/90
(41) 14.09.2022	(72) Chaoyang Lu	E04D 3/35
(51) C02F 9/00	Quanguo Zhang	E04D 3/361
(21) 2028973	Zhiping Zhang	(21) 2027647
(22) 15.08.2021	Jianzhi Yue	(22) 25.02.2021
	Yanyan Jing	(54) Isolatiepaneel voor akoestische en/of thermische isolatie, samenstel, en werkwijze
	Danping Jiang	(71) VAN MENSVOORT BEHEER B.V.
	Huan Zhang	(74) ir. H.Th. van den Heuvel c.s.
	Yameng Li	

(72) Rogier Petrus Adrianus Christian van Mensvoort	an active mechanical stirring tank as flow-through coolant reservoir.	F24F 6/00
(41) 20.09.2022	(71) ENGIE Ventures & Integrated Solutions B.V.	(21) 2027616
(51) E04H 4/04	(74) ir. J.C. Volmer c.s.	(22) 22.02.2021
(21) 2031009	(72) Berend Jurjen Bosscher	(54) Domestic air treatment device
(22) 18.02.2022	(41) 19.09.2022	(71) Duux Holding B.V.
(54) CONSTRUCTIEMODULE VOOR ZWEMBAD, GEASSOCIEERD ZWEMBAD EN WERKWIJZE VOOR HET VERWEZENLIJKEN VAN EEN ZWEMBAD	(51) F03D 9/10	(74) drs. P.A. van Essen c.s.
(71) Emmanuel Julliard	F03D 9/19	(72) Mark Angenent
(74) ir. H.Th. van den Heuvel c.s.	F03D 13/25	(41) 19.09.2022
(72) Emmanuel Julliard	(21) 2027667	(51) F24S 20/70
(31) 2101657	(22) 26.02.2021	B63B 35/34
(32) 19.02.2021	(54) Floatable wind turbine for producing hydrogen	(21) 2031014
(33) France	(71) Frew Holding B.V.	(22) 18.02.2022
(51) E04H 7/22	(74) ir. A. Blokland c.s.	(54) Pontoon for a solar energy system, use of a pontoon, and method of manufacturing a pontoon
(21) 2027626	(72) Jamie John Russell Frew	(71) Texel4Trading B.V.
(22) 23.02.2021	(41) 20.09.2022	(74) dr. mr. ir. D.B. van Dam
(54) SILODAK, VERSTEVIGINGSELEMENT EN SILO	(51) F03D 13/10	(72) Nicolaas Johannes Wilhelmina Hendrikus Schermer
(71) FLEXXOLUTIONS GFS BV.	F03D 13/25	(31) 21158308.3
(74) W.J. Slikker	(21) 2027591	(32) 19.02.2021
(72) Maik Hunder	(22) 18.02.2021	(33) European Patent Office (EPO)
Martin Nieuwmeijer	(54) BLADE INSTALLATION DEVICE AND METHOD FOR INSTALLING, DE-INSTALLATION OR MAINTENANCE OF A BLADE OF AN OFFSHORE WIND STRUCTURE	(51) F24T 10/10
(41) 19.09.2022	(71) Itrec B.V.	(21) 2027563
(51) E05F 15/665	(74) ir. J.C. Volmer c.s.	(22) 16.02.2021
E06B 9/54	(72) Diederick Bernardus Wijning	(54) INRICHTING EN WERKWIJZE VOOR HET WINNEN VAN GEOTHERMISCHE ENERGIE
E06B 9/68	David Roodenburg	(71) STATE OF THE ART WORK Ltd.
(21) 2029469	(41) 14.09.2022	(74) ir. M.B. Plaggenborg
(22) 19.10.2021	(51) F16L 41/14	(72) Johannes Wilhelmus Maria van de Ven
(54) Hordeurbedieningsinrichting voor een hordeur	B65D 88/16	(41) 14.09.2022
(71) Hendrikus Antonius Maria Bouhuis	(21) 2027612	(51) F25B 30/00
(74) ir. G.J.M. Verhees	(22) 22.02.2021	F24F 13/24
(72) Hendrikus Antonius Maria Bouhuis	(54) CONNECTOR FOR CONNECTING AN ADAPTER TO A GAS EXCHANGE SYSTEM	F24F 1/60
(31) 2027573	(71) WINZA HOLDING B.V.	F24F 1/58
(32) 17.02.2021	(74) dr. ir. G.J.C. Verdijck c.s.	(21) 2027495
(33) Netherlands	(72) Tim de Winter	(22) 04.02.2021
(51) E21D 9/10	(41) 19.09.2022	(54) A sound insulation housing
(21) 2027629	(51) F17D 3/01	(71) CoxGeelen B.V.
(22) 23.02.2021	F17D 3/14	(74) ir. A. Blokland c.s.
(54) A boring machine	G01N 33/28	(72) Arno van Dort
(71) IHC Holland IE B.V.	(21) 2030940	(41) 14.09.2022
(74) ir. A.R. Aalbers	(22) 15.02.2022	(51) F28D 20/00
(72) Thomas Hurtz	(54) EARLY WARNING METHOD WITH SEPARATION OF HYDRATE DEPOSITION STRUCTURE CONSIDERED FOR FLOW SAFETY OF SUBMARINE GAS PIPELINE	F28F 27/00
Tobias Vraetz	(71) Dalian University of Technology	F24D 11/00
Karsten Jansen	(74) ir. W.J.J.M. Kempes	F24D 19/10
Hans Arnold Greve	(72) Mengxin Li	F24D 17/00
Martijn van den Berg	Pei Hu	F24S 40/70
(41) 20.09.2022	Dayong Wang	F24D 3/08
(51) F01P 3/12	Yongchen Song	(21) 2027593
F25B 1/00	Tianyu Chen	(22) 18.02.2021
F01P 7/16	Jie Sha	(54) Solar system for converting solar energy into heat
B01F 7/22	Jiarui Fan	(71) Conico Valves B.V.
H01L 21/67	Jingjing Bi	(74) dr. ir. G.J.C. Verdijck c.s.
F28F 13/12	(31) 202110186299.4	(72) Nico Jacobus Louise van Ruth
B65D 88/06	(32) 17.02.2021	(41) 14.09.2022
B01F 7/20	(33) China	(51) F28D 21/00
B01F 15/06	(51) F24F 6/12	F24F 12/00
(21) 2027621		F24F 6/00
(22) 23.02.2021		(21) 2027648
(54) Cooling and temperature control assembly for heat sensitive machine parts, with a coolant circuit that includes		(22) 25.02.2021
		(54) AN EVAPORATOR PLATE HEAT EXCHANGER
		(71) DUTCH INNOVATION IN AIR TREATMENT B.V.

(74) ir. M. Cramwinckel	(74) ir. F.A. Geurts c.s.	BEHAVIOR THROUGH VIDEO
(72) Vincent Trip	(72) Jacob Pieter Hoogenboom	SEGMENTATION
Arthur van der Lee	Elizabeth Catherine Marie Carroll	(71) CHINA UNIVERSITY OF MINING AND
(41) 20.09.2022	Nahum Pang	TECHNOLOGY, BEIJING
(51) F41H 1/02	(41) 20.09.2022	(74) ir. W.J.J.M. Kempes
(21) 2029154	(51) G02B 6/36	(72) Ce Li
(22) 09.09.2021	G02B 6/42	Longshuai Sheng
(54) PROTECTIVE VEST	(21) 2030515	Zhongbo Jiang
(71) ASOCIACION DE INVESTIGACION DE	(22) 13.01.2022	Xin Li
LA INDUSTRIA TEXTIL (AITEK)	(54) NOVEL DESIGN FOR FIBER	(31) 202110207458.4
(74) dr. R.C. van Duijvenbode c.s.	ARRAY UNIT (FAU) FOR OPTICAL	(32) 24.02.2021
(72) Eduardo Fages Santana	TRANSCIEVER PRODUCTS	(33) China
Óscar Gutiérrez Moscardó	(71) Intel Corporation	(51) G06N 3/08
José Ramón Martínez Guillén	(74) dr. A. Krebs	G01R 31/327
José Gisbert Gomis	(72) Aditi Mallik	(21) 2032669
(31) 202130378	Liqiang Cui	(22) 03.08.2022
(32) 24.02.2021	Boping Xie	(54) INTELLIGENT METHOD FOR
(33) Spain	Sunil Priyadarshi	DIAGNOSING MECHANICAL FAULT OF
(51) G01B 11/16	Vinod Adivarahan	HIGH-VOLTAGE ISOLATING SWITCH
G01D 5/353	(31) PCT/CN2021/078122	BASED ON TRANSFER LEARNING
G01L 9/00	(32) 26.02.2021	(71) Honghe Power Supply Bureau of Yunnan
(21) 2027604	(33) China	Power Grid Co., Ltd.
(22) 19.02.2021	(51) G06F 1/20	(74) ir. W.J.J.M. Kempes
(54) Optical measurement device for	G06F 9/50	(72) Chunsong Li
biological, biomimetic, and synthetic	H05K 7/20	Jianwei Wang
samples.	(21) 2027571	Bing Wang
(71) Optics11 B.V.	(22) 16.02.2021	Youzhi Bao
(74) ir. G.P. den Braber	(54) SYSTEMS AND METHODS	Yuntao Liu
(72) Niek Rijnveld	FOR DATACENTER THERMAL	Yizheng Yang
Grzegorz Gruca	MANAGEMENT	Jiyong Xu
Kevin Bielawski	(71) Microsoft Technology Licensing, LLC	Huiming Li
Massimiliano Berardi	(74) ir. J.C. Volmer c.s.	Rui Zhang
(41) 19.09.2022	(72) Ioannis Manousakis	Tao Yang
(51) G01G 19/40	Rodrigo Lemos de Assis	Shiwei Li
G01G 23/00	David Thomas Gauthier	Yuanlong Zhang
(21) 2031066	Brijesh Warriar	Yan Zhang
(22) 24.02.2022	(41) 14.09.2022	Qilong Zhu
(54) CAMERA ENHANCED OFF-PLATTER	(51) G06F 3/044	Deyin Qian
DETECTION SYSTEM	G06F 3/041	Yakui Deng
(71) Zebra Technologies Corporation	(21) 2027589	Yu Zhang
(74) ir. H.A. Witmans c.s.	(22) 18.02.2021	Mingjiang Liu
(72) Edward Barkan	(54) COMPENSATING FOR TOUCH-	Yongzhi Wang
Darran Michael Handshaw	SCREEN COUPLING THROUGH	Yongjian He
(31) 17/185,705	DISPLAY ELECTRODE	Zhongwen Wang
(32) 25.02.2021	(71) Microsoft Technology Licensing, LLC	Wenwu Zhou
(33) United States of America	(74) ir. J.C. Volmer c.s.	Jin Yang
(51) G01K 3/04	(72) Eliyahu Barel	Yannan Cai
A23P 20/10	On Haran	Shaohua Jiang
B65D 65/46	(41) 15.09.2022	Cheng Li
(21) 2027635	(51) G06F 21/56	Jiali Liu
(22) 24.02.2021	(21) 2029110	Jianming Hu
(54) Pitaya-based edible time temperature	(22) 02.09.2021	Yungui Zhang
indicator	(54) METHOD AND SYSTEM FOR STATIC	Hongtao Yao
(71) Technische Universiteit Delft	ANALYSIS OF EXECUTABLE FILES	Guirong Liu
(74) dr. A. Ellens c.s.	(71) Group IB TDS, Ltd	Jiarong Shi
(72) Mengmeng Zhang	(74) ir. A.R. Aalbers	(51) G09G 3/32
Huseyin Burak Eral	(72) Nikolay Prudkovskiy	G09G 3/3208
Visakh Sasi Menon	(31) 2020140017	G09G 3/20
(41) 20.09.2022	(32) 07.12.2020	G09G 3/34
(51) G01N 1/06	(33) Russian Federation	(21) 2027588
G01N 1/28	(51) G06K 9/00	(22) 18.02.2021
(21) 2027636	G06N 3/04	(54) PIXEL LUMINANCE FOR DIGITAL
(22) 24.02.2021	G06N 3/08	DISPLAY
(54) Apparatus and method for manipulating	(21) 2029182	(71) Microsoft Technology Licensing, LLC
thin film sections or ribbons of thin film	(22) 14.09.2021	(74) ir. J.C. Volmer c.s.
sections	(54) WEAKLY SUPERVISED LEARNING	(72) Ying Zheng
(71) Technische Universiteit Delft	BASED METHOD FOR RECOGNIZING	Matthew D. Morris
		Vasudha Gupta

Younghun Paik	(72) Anne-Oeds de Boer
(41) 15.09.2022	(41) 20.09.2022
(51) H01J 49/40	(31) 2027638
H01J 49/16	(32) 24.02.2021
G01N 15/14	(33) Netherlands
(21) 2027583	(51) H02S 20/26
(22) 18.02.2021	H01L 31/0216
(54) A time-of-flight mass spectrometer device	(21) 2027598
(71) DEEM Consulting B.V.	(22) 19.02.2021
(72) Maarten Hebbink	(54) Prefabricated façade panel
Hermen Jan Wichers	(71) Studio Solarix B.V.
(51) H01L 23/48	(74) ir. A. Blokland c.s.
(21) 2030602	(72) Reinier Helmig Bosch
(22) 18.01.2022	(41) 19.09.2022
(54) INTEGRATED CIRCUIT SUPPORTS	(51) H03F 1/02
WITH MICROSTRIPS	H03F 1/56
(71) Intel Corporation	H03F 3/213
(74) dr. A. Krebs	H03F 3/24
(72) Pooya Tadayon	H01L 23/66
Srinivasa Aravamudhan	H03F 3/195
Xiaoning Ye	(21) 2027603
Brett Grossman	(22) 19.02.2021
Nathan Tan	(54) Hybrid Doherty power amplifier module
Wenzhi Wang	(71) Ampleon Netherlands B.V.
(31) PCT/CN2021/078118	(74) dr. ir. G.J.C. Verdijck c.s.
(32) 26.02.2021	(72) Zhi Geng
(33) China	Yi Zhu
(51) H01L 31/04	(41) 19.09.2022
H01L 31/05	(51) H04R 1/10
(21) 2027572	(21) 2027562
(22) 17.02.2021	(22) 16.02.2021
(54) Foil for use with a double curved solar panel	(54) SOUND CHANNEL, PORTABLE
(71) Atlas Technologies Holding B.V.	AUDIO DEVICE COMPRISING SUCH
(72) Durandus Kornelius Dijken	A SOUND CHANNEL AND METHOD
Hendrik Nicolaas Slingerland	OF OPERATING SUCH A SOUND
(41) 14.09.2022	CHANNEL
(51) H01M 4/90	(71) SONION NEDERLAND B.V.
(21) 2031230	(74) W.J. Slikker
(22) 10.03.2022	(72) Caspar Titus Bolsman
(54) Wood - based carbon foam and preparation method thereof, cathode electrocatalyst, cathode and metal air battery	(41) 14.09.2022
(71) Advanced Materials Institute, Shandong Academy of Sciences	(51) H04W 8/18
(74) dr. T. Wittop Koning PhD	(21) 2030612
(72) Yanqing Zhang	(22) 19.01.2022
Peipei Sun	(54) RIC SUBSCRIPTION REMOVAL OVER
Tingfeng Hong	E2 INTERFACE
Meng Wang	(71) Intel Corporation
Huaipeng Pang	(74) dr. A. Krebs
Xingshuang Zhang	(72) Leifeng Ruan
(41) 20.09.2022	Jaemin Han
(31) 202110284425.X	Dawei Ying
(32) 17.03.2021	(31) PCT/US21/59675
(33) China	63/153,314
(51) H02S 20/25	(32) 17.11.2021
H02S 40/32	24.02.2021
(21) 2028074	(33) United States of America
(22) 26.04.2021	United States of America
(54) ZONNEPANEELINRICHTING, DAKBEDEKKING EN WERKWIJZE VOOR HET OPWEKKEN VAN ELEKTRICITEIT	
(71) Anne-Oeds de Boer	
(74) dr. ir. G.J.C. Verdijck c.s.	

## 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) A01B 39/18 A01D 34/00	(22) 24.02.2021	(51) A01K 1/00 A01K 29/00
(11) 2027024	(54) Roof ventilation system for a greenhouse	(11) 2028971
(47) 16.09.2022	(73) Belua Beheer B.V.	(47) 15.09.2022
(22) 02.12.2020	(72) Gijs van den Berg Pepijn Vermeulen	(22) 13.08.2021
(54) An Economical Garden Greening & Maintenance Device	(74) dr. R.C. van Duijvenbode c.s.	(54) System and method for recognizing dynamic anomalies of multiple livestock equipment in smart farm system
(73) Xi Wang	(51) A01G 25/16	(73) Electronics and Telecommunications Research Institute
(72) Xi Wang	(11) 2027633	(72) Se Han Kim Hyeon Park Dae Heon Park
Yong Zhao	(47) 20.09.2022	(74) ir. H.Th. van den Heuvel c.s.
Bin Chen	(22) 23.02.2021	(31) 10-2020-0102092
Yaliang Li	(54) IRRIGATION SYSTEM FOR HORTICULTURE AND METHOD FOR OPERATING THE SAME	(32) 13.08.2020
Guangzhen Wu	(73) Kharim Mohammed Walter Pani	(33) Korea (Republic)
Huimin Wang	(72) Kharim Mohammed Walter Pani	(51) A01K 1/00
Yongyou Han	(74) M. Gilio	E04B 9/00
Dongling Guo	(51) A01G 27/06	E04B 9/02
Liu Haitao	(11) 2027652	E04B 9/04
Hu Xinting	(47) 20.09.2022	E04B 9/18
(74) dr. R.C. van Duijvenbode c.s.	(22) 25.02.2021	E04B 9/22
(31) 202011148391.3	(54) WICK CUTTING AND INSERTING SYSTEM	E04B 9/24
(32) 23.10.2020	(73) Waterwick B.V.	E04B 1/94
(33) China	(72) Anthony Visser	(11) 2027655
(51) A01G 5/00	(74) dr. ir. G.J.C. Verdijck c.s.	(47) 20.09.2022
A01G 5/02	(51) A01G 31/02	(22) 26.02.2021
(11) 2027338	A01G 9/02	(54) Veeetal voorzien van een plafond
(47) 14.09.2022	(11) 2027623	(73) Slaats BV
(22) 18.01.2021	(47) 19.09.2022	(72) Marko van Asten
(54) Inrichting en werkwijze voor het vormen van boeketten	(22) 23.02.2021	(74) ir. G.J.M. Verhees
(73) Havatec B.V.	(54) System and method for irrigation of plant elements inside growth boxes	(51) A01K 1/015
(72) Peter Schmal	(73) Eden Advanced Technologies	(11) 2027577
Ronald Sparreboom	(72) Toms Bernhards	(47) 14.09.2022
(74) ir. H.A. Witmans c.s.	(74) dr. A. Ellens c.s.	(22) 17.02.2021
(51) A01G 9/22	(51) A01H 6/82	(54) Vloersysteem voor dierenstal
(11) 1043950	(11) 2029148	(73) Lely Patent N.V.
(47) 19.09.2022	(47) 14.09.2022	(72) Korstiaan Cornelis Blokland
(22) 23.02.2021	(22) 08.09.2021	(74) ir. M.J.F.M. Corten
(54) SCHERMINRICHTING EN KAS WAARIN DEZE IS TOEGEPAST	(54) SCREENING METHOD OF LOW-TEMPERATURE-RESISTANT LYCOPERSICON ESCULENTUM VARIETY	(51) A01K 67/033
(73) Huisman Scherming B.V.	(73) SHANDONG SHOUGUANG VEGETABLE SEED INDUSTRY GROUP CO., LTD	(11) 2028717
(72) Jan van der Lee	SHANDONG SHOUGUANG VEGETABLE INDUSTRY GROUP CO., LTD	(47) 16.09.2022
Ruud Vlottes	(72) Junyang Ding	(22) 17.01.2020
(51) A01G 9/24	Yongjun Hu	(54) METHOD FOR CONTROLLING HATCHING OF AN INSECT EGG
(11) 2027656	Xiaomei Ma	(62) 2024692 (17.01.2020)
(47) 20.09.2022	Jiajin Guo	(73) Protix B.V.
(22) 26.02.2021	Subo Tian	(72) Ward Tollenaar Lotte Joosten Eric Holland Schmitt
(54) Greenhouse having an air treatment unit with perforated air tubes	Xinqing Liu	(74) dr. R.C. van Duijvenbode c.s.
(73) Belua Beheer B.V.	(74) ir. W.J.J.M. Kempes	(31) 2024692
(72) Leendert Willem de Rijke	(31) 202110148172.3	(32) 17.01.2020
Johannes Adrianus Hendrikus Maria van der Sande	(32) 03.02.2021	(33) Netherlands
Arjan van Nieuwenhuijzen	(33) China	(51) A01M 21/00
Pepijn Vermeulen		(11) 2026770
(74) dr. R.C. van Duijvenbode c.s.		(47) 16.09.2022
(51) A01G 9/24		(22) 26.10.2020
F24F 7/02		
(11) 2027639		
(47) 20.09.2022		

(54) Werkwijze voor toediening van een medium	(51) A22C 17/14	(54) Chocolade-producten en werkwijzen voor het vervaardigen daarvan
(73) H. Harinck Beheer B.V.	(11) 2027566	(73) DanielZ chocolate B.V.
(72) Hendrik Harinck	(47) 14.09.2022	(72) Daniël Cornelis Marinus Jacobus Bogers
(74) ir. F.E. Hoeben	(22) 16.02.2021	(74) drs. O. Griebing
(51) A01M 21/04	(54) Separating an intestine from a bowel package	(51) A23J 3/04
A01M 21/00	(73) CTH B.V.	F28D 7/10
(11) 2026772	(72) Johannes Wilhelmus Nicolaas van Lijssel	(11) 2027590
(47) 20.09.2022	Jeroen René Maria Colpaert	(47) 15.09.2022
(22) 26.10.2020	Johannes Frederik Hansen	(22) 18.02.2021
(54) Toedienlans	Michal Grzyb	(54) TWO-STAGE COOLING PROCESS FOR LARVAE PUREE
(73) H. Harinck Beheer B.V.	Sander Hendrik Luciën Hochstenbach	(73) Protix B.V.
(72) Hendrik Harinck	Rob den Besten	(72) Eric Holland Schmitt
(74) ir. F.E. Hoeben	Cederic Cecilius Hendrikus Johannes Maria Rutting	Aman Paul
(51) A01M 21/04	(74) dr. A. Ellens c.s.	(74) dr. R.C. van Duijvenbode c.s.
A01M 21/00	(51) A22C 21/00	(51) A23J 3/14
(11) 2027627	(11) 1043944	A23J 3/26
(47) 20.09.2022	(47) 15.09.2022	A23J 3/34
(22) 23.02.2021	(22) 18.02.2021	(11) 2027674
(54) APPARATUS AND METHOD FOR CONTROLLING WEED GROWING ON A GROUND SURFACE	(54) Method for obtaining a food product and delicacy for human consumption from a chicken back piece	(47) 20.09.2022
(73) FORTITUDE HOLDINGS AS	(73) Recep Koyuncu	(22) 26.02.2021
(72) Hendrik van de Haar	(72) Recep Koyuncu	(54) A Method for Improving the Quality of High-moisture Texturized Peanut Protein by TG Enzyme
Jan van Hensbergen	(74) ir. A. Blokland c.s.	(73) Institute of Food Science and Technology
(74) dr. ir. G.J.C. Verdijck c.s.	(51) A23B 4/10	Chinese Academy of Agricultural Sciences
(51) A01M 21/04	A23L 3/349	(72) Qiang Wang
B05B 9/04	A23B 4/20	Jinchuang Zhang
B61L 23/04	A23L 3/3463	Li Liu
(11) 2026771	A01N 31/08	Hongzhi Liu
(47) 16.09.2022	(11) 2031206	Aimin Shi
(22) 26.10.2020	(47) 15.09.2022	Hui Hu
(54) Toedienautomaat	(22) 09.03.2022	Shi Meng
(73) H. Harinck Beheer B.V.	(54) EDIBLE COMPOSITE COATING FILM, PREPARATION METHOD AND APPLICATION THEREOF	Chen Wang
(72) Hendrik Harinck	(73) BEIJING TECHNOLOGY AND BUSINESS UNIVERSITY	(74) dr. J. van Straaten
(74) ir. F.E. Hoeben	(72) Guorong Liu	(51) A23J 3/34
(51) A21B 3/13	Dongdong Yuan	A23K 10/20
B29C 44/58	Xu Hao	A23K 20/147
B65D 85/32	Jiaojiao Duan	C12P 21/06
B29C 45/73	Guohui Bai	A23K 50/40
(11) 2027614	(74) ir. W.J.J.M. Kempes	A23K 50/80
(47) 19.09.2022	(31) 202110467663.4	A23L 33/18
(22) 22.02.2021	(32) 28.04.2021	(11) 2027744
(54) Mold and method for mold forming products	(33) China	(47) 16.09.2022
(73) PaperFoam Holding B.V.	(51) A23C 19/06	(22) 11.05.2020
(72) Jochem Alex Blum	A23C 19/084	(54) HYDROLYSATE OF WATER SOLUBLE INSECT PROTEINS
Nynke Margaretha Zandstra	A01J 27/04	(62) 2025546 (11.05.2020)
Menno Eduard Groenevelt	A23L 27/00	(73) Protix B.V.
Jan Wietze Huisman	A23C 19/09	(72) Aman Paul
(74) ir. H.A. Witmans c.s.	A23C 19/14	(74) dr. R.C. van Duijvenbode c.s.
(51) A22C 17/14	A23L 27/10	(31) 2025547
(11) 2027565	A23C 19/16	2024481
(47) 14.09.2022	(11) 2027620	2023838
(22) 16.02.2021	(47) 19.09.2022	(32) 11.05.2020
(54) Separating an intestine from a bowel package	(22) 23.02.2021	17.12.2019
(73) CTH B.V.	(54) Method for manufacturing flavored cheese and a flavored cheese stack	17.09.2019
(72) Johannes Wilhelmus Nicolaas van Lijssel	(73) Wijngaard Kaas B.V.	(33) Netherlands
Jeroen René Maria Colpaert	(72) Marinus van den Wijngaard	Netherlands
Johannes Frederik Hansen	(74) mr. ir. J. van Breda c.s.	Netherlands
Michal Grzyb	(51) A23G 1/50	(51) A23L 17/30
Sander Hendrik Luciën Hochstenbach	(11) 1043949	A23L 29/256
Rob den Besten	(47) 19.09.2022	A23L 29/30
Cederic Cecilius Hendrikus Johannes Maria Rutting	(22) 22.02.2021	(11) 2027568
(74) dr. A. Ellens c.s.		(47) 14.09.2022
		(22) 16.02.2021

(54) METHOD FOR PRODUCING AN ALTERNATIVE FOR ROE AND ITS PRODUCT	(54) FOLIEDISPENSER	(22) 25.02.2021
(73) Seafood Connection B.V.	(73) Bos Kaasbedrijven B.V.	(54) Relaxation device with breathing motion simulator.
(72) Takeyuki Nakazawa	(72) Martijn Herman Bos	(73) Somnox Holding B.V.
(74) ir. J.P.E. Brants	(51) A61H 3/06	(72) Lucas Jan Bolier
(51) A41D 13/11	(11) 2027570	Stijn Jeroen Antonisse
A62B 7/12	(47) 14.09.2022	(74) ir. J.C. Volmer c.s.
A61L 9/20	(22) 16.02.2021	(51) A61N 1/05
A62B 18/02	(54) Werkwijze voor het op een ondergrond aanbrengen van een markering voor blinden en slechtzienden.	A61N 2/00
(11) 1043951	(73) Kick Tg Holding BV	A61N 1/36
(47) 20.09.2022	(72) Tamar Vanessa Grahmbeek	A61N 5/06
(22) 24.02.2021	(74) mr. M.J.I. Koomen c.s.	A61N 7/00
(54) Draagbare inrichting voor het voorkomen van virale of bacteriële besmetting van een persoon.	(51) A61K 41/00	(11) 2027585
(73) drs R.W. Brouwer	A61K 49/00	(47) 14.09.2022
(72) Robbert Willem Brouwer	A61K 51/04	(22) 18.02.2021
(51) A45B 11/00	A61P 35/00	(54) Systems and methods for stimulating the pituitary gland or the pituitary stalk
B62J 11/00	A61K 103/00	(73) Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)
B62J 17/00	A61K 103/30	(72) Wouter R. van Furth
B62J 17/08	A61K 103/34	(74) dr. A. Krebs
(11) 1043941	(11) 2027653	(51) A63B 5/11
(47) 14.09.2022	(47) 20.09.2022	(11) 2027574
(22) 17.02.2021	(54) Targeting system with improved uptake	(47) 14.09.2022
(54) Double layer rainscreen	(73) Coretag Holding A.G.	(22) 17.02.2021
(73) ir. Harry Wassink	(72) Markwin Hendrik Maring	(54) Hydrotherapy apparatus
(72) ir. Harry Wassink	Carel Jan Vogels	(73) A.B.S. Roeland NV
(51) A45C 5/14	(74) drs. P.A. van Essen c.s.	(72) Carlo Roeland
A45C 5/03	(51) A61K 47/69	Dominik Claeys
(11) 2027597	A61K 47/62	(74) dr. ir. G.J.C. Verdijck c.s.
(47) 19.09.2022	A61K 49/18	(51) A63G 31/02
(22) 19.02.2021	A61K 49/00	A63G 1/10
(54) A suitcase	A61K 51/12	(11) 2027619
(73) Baas Invest B.V.	A61K 31/573	(47) 19.09.2022
(72) Nicolaas Baas	A61K 31/704	(22) 23.02.2021
(74) ir. M. van der Velden	A61K 38/16	(54) Amusement system for showing an event in a scene room.
(51) A47J 31/06	A61K 48/00	(73) Vekoma Rides Engineering B.V.
A47J 31/46	A61P 25/00	(72) Bart Harteloh
(11) 2020838	A61P 31/18	(74) ir. J.C. Volmer c.s.
(47) 16.09.2022	A61P 35/00	(51) B01D 19/00
(22) 26.04.2018	(11) 2027601	C02F 1/20
(54) Inrichting voor het bereiden van een koffieproduct	(47) 19.09.2022	F24D 19/08
(73) J.M. de Jong Duke Automatenfabriek B.V.	(22) 19.02.2021	(11) 2027613
(72) Eduard Adri Brijder	(54) Target mediated endocytotic drug delivery	(47) 19.09.2022
Cornelis de Groen	(73) CRM Therapeutics B.V.	(22) 22.02.2021
(74) drs. A.A. Jilderda	(72) Albertus Gerrit de Boer	(54) Low pressure degassing device
(31) 2018804	Markwin Hendrik Maring	(73) Flamco B.V.
(32) 28.04.2017	(74) drs. P.A. van Essen c.s.	(72) Jan Henk Cnossen
(33) Netherlands	(51) A61L 27/14	(74) ir. J.C. Volmer c.s.
(51) A47J 37/12	A61F 2/00	(51) B01D 53/52
(11) 2027584	A61L 27/50	B01D 53/58
(47) 15.09.2022	A61L 31/04	(11) 2027602
(22) 18.02.2021	A61L 31/14	(47) 19.09.2022
(54) Systeem voor het met olie behandelen van voedingsproducten	G01N 33/00	(22) 19.02.2021
(73) Kiremko B.V.	(11) 2027599	(54) Systeem voor reiniging van verontreinigde lucht
(72) Hartger Luidinga	(47) 19.09.2022	(73) Spekpannekoek BV
Hendrikus Johannes Maria van Oorschot	(22) 19.02.2021	(72) Jakob Gerrit Hendrik Pannekoek
(74) ir. A. Blokland c.s.	(54) Biocompatible polymeric implant material having a textured surface	Ger Pannekoek
(51) A47K 10/36	(73) Instructure Labs B.V.	Anne Margreet Pannekoek - van het Erve
B65H 35/00	(72) Noel Lee Davison	(74) ir. A. Ferguson
(11) 1043955	(74) dr. A. Krebs	(51) B01D 53/62
(47) 20.09.2022	(51) A61M 21/02	B01D 53/84
(22) 01.03.2021	G09B 23/28	A01C 21/00
	(11) 2027643	(11) 2027670
	(47) 20.09.2022	(47) 20.09.2022

(22) 26.02.2021	B26D 7/01	(22) 01.03.2021
(54) Reducing carbon dioxide levels in the atmosphere	B26D 7/20	(54) Method and splicer for splicing a leading end and a trailing end of a tire component
(73) Van Merksteijn Real Estate B.V.	B26D 7/26	(73) VMI Holland B.V.
(72) Jacobus Lambertus van Merksteijn	(11) 2027569	(72) Willem Marinus van Beek
(74) dr. ir. G.J.C. Verdijck c.s.	(47) 14.09.2022	(74) ir. F.A. Geurts c.s.
(51) B01F 25/83	(22) 16.02.2021	(51) B60P 3/42
B01F 25/80	(54) Applicator unit, tire building device and method for applying a strip to a drum	B60J 5/04
(11) 2029522	(73) VMI Holland B.V.	B61D 19/00
(47) 16.09.2022	(72) Gerardus Johannes Catharina van Laar	(11) 2027659
(22) 27.10.2021	(74) ir. F.A. Geurts c.s.	(47) 20.09.2022
(54) METHOD OF MIXING SOLID MATERIALS, CORRESPONDING DEVICE AND USE THEREOF	(51) B27G 11/00	(22) 26.02.2021
(73) CAETE PARTICIPAÇÃO E ADMINISTRAÇÃO EIRELI	(11) 2029169	(54) Public transport vehicle for the flexible transport of freight and/or passengers
(72) Carlos Eduardo Furquim Bezerra	(47) 20.09.2022	(73) MISSION INNOVATIONS B.V.
(74) ir. F.A. Geurts c.s.	(22) 10.09.2021	(72) Marc Hubert Kerkhofs
(31) 10 2020 022037 3	(54) A Type of Glue Spraying Equipment for Door Panel Production	Johannes Gertrudis Josephus van der Donk
(32) 27.10.2020	(73) Lishui Liujin Automation Equipment Co., Ltd	(74) ir. A. Blokland c.s.
(33) Brazil	(72) Zhangyong Xiang	(51) B60S 1/56
(51) B01J 21/02	(74) drs. C.M.A. Quintelier	G02B 27/00
C07C 59/90	(31) 202121604672.5	G01S 17/931
C07C 51/00	(32) 15.07.2021	(11) 2027610
B01J 23/28	(33) China	(47) 19.09.2022
(11) 2024500	(51) B29C 45/14	(22) 22.02.2021
(47) 20.09.2022	F28D 9/00	(54) Cleaning device, motor vehicle and method
(22) 18.12.2019	F28F 21/06	(73) MCi (Mirror Controls International) Netherlands B.V.
(54) METHOD FOR PREPARING 4-(3-HYDROXYPHENYL)-4-OXOBUTANOIC ACID FROM LIGNIN	B29L 31/18	(72) Jannick Daniël Wijntjes
(73) Anhui University of Science and Technology	(11) 2027649	(74) ir. H.A. Witmans c.s.
(72) Mingqiang Chen	(47) 20.09.2022	(51) B60T 3/00
Yishuang Wang	(22) 25.02.2021	B65G 69/00
Zhiyuan Tang	(54) PROCESS TO MANUFACTURE AN INTERCONNECTED STACK OF THERMOPLASTIC FRAMES	(11) 2027580
Chunsheng Wang	(73) DUTCH INNOVATION IN AIR TREATMENT B.V.	(47) 15.09.2022
Zhonglian Yang	(72) Vincent Trip	(22) 18.02.2021
Han Zhang	Arthur van der Lee	(54) Inrichting voor het handmatig blokkeren van het wiel van een vrachtwagen op een rijbaan voor een gevel met een laad- en losperon.
Jun Wang	(74) ir. M. Cramwinckel	(73) Hörmann Alkmaar BV
(74) drs. P.A. van Essen c.s.	(51) B29C 53/42	(72) Robbert Pieter Hendrikus Blom
(31) 201811570736.7	(11) 2027672	Arie Pieter Cornelis Koopman
(32) 21.12.2018	(47) 20.09.2022	Frank Wolkers
(33) China	(22) 26.02.2021	(74) mr. M.J.I. Koomen c.s.
(51) B05B 13/00	(54) Closed profile made of a thermoplastic composite material	(51) B62B 3/02
B05B 13/04	(73) Dutch Thermoplastic Components B.V.	A47F 7/24
(11) 2026345	(72) David Reijer Manten	B65D 85/18
(47) 20.09.2022	Dennis Lunenburg	(11) 2027609
(22) 26.08.2020	Peter Floris Evert Boer	(47) 19.09.2022
(54) Autonomous painting robot	Wesley Houtman	(22) 22.02.2021
(73) SOSA GONZÁLEZ, S.L.	(74) dr. ir. G.J.C. Verdijck c.s.	(54) A roll container
(72) Carmelo Sosa González	(51) B29C 53/60	(73) VRC S. van der Veen Rol-Containers B.V.
(74) dr. A. Ellens c.s.	B29C 53/82	(72) Sander van der Veen
(31) U202030243	(11) 2027644	(74) ir. J.C. Volmer c.s.
(32) 13.02.2020	(47) 20.09.2022	(51) B63B 35/04
(33) Spain	(22) 25.02.2021	F16L 1/19
(51) B23Q 3/02	(54) Mold and system configured to produce tubular laminated objects of variable dimension and method of producing said objects	F16L 1/20
B27B 9/04	(73) Mertens NV	(11) 2027624
(11) 1043937	(72) Maikel Elst	(47) 20.09.2022
(47) 14.09.2022	(74) dr. ir. G.J.C. Verdijck c.s.	(22) 23.02.2021
(22) 16.02.2021	(51) B29C 65/00	(54) METHOD AND DEVICE FOR OVERBOARDING FROM A VESSEL
(54) SAW GUIDE DEVICE	B29D 30/42	A JOINTED ELONGATED FLEXIBLE ARTICLE
(73) Petrus Marie Coolen	(11) 2027675	
(72) Petrus Marie Coolen	(47) 20.09.2022	
(51) B26D 1/157		
B26D 1/16		
B26D 1/18		

(73) DEME Offshore NL B.V.	(51) C01G 31/00	(72) Richardus Bernardus Wigbertus Maria Feijnsman
(72) Marco Martinus Maria Gremmen Philip Meijnardt Jacobus Scheers Lucas Adriaan Maria Bols	(11) 2029729 (47) 19.09.2022 (22) 12.11.2021	(74) ir. M. van der Velden (31) 2027657 (32) 26.02.2021
(74) dr. ir. G.J.C. Verdijck c.s.	(54) CATHODE MATERIAL Mo-VS4/N-GNTS OF MAGNESIUM-ION BATTERY AND USE THEREOF	(33) Netherlands
(51) B65D 1/36 B65D 77/02 B65D 81/20	(73) QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY	(51) C02F 11/04 C12P 5/02
(11) 2027607 (47) 19.09.2022 (22) 22.02.2021	(72) Zhenjiang Li Xin Dai Alan Meng Shiqi Ding Guanying Song	(11) 2026413 (47) 20.09.2022 (22) 04.09.2020 (54) METHOD FOR ANAEROBIC DIGESTION OF ORGANIC WASTES
(54) A pizza support (73) Conveni Liessel B.V. (72) Hennie Gijbers (74) mr. ir. J. van Breda c.s.	(74) ir. W.J.J.M. Kempes	(73) Tongji University (72) Xiaohu Dai Lei Li Chen Cai
(51) B65D 5/06 B65D 5/60	(31) 202011355673.0 (32) 27.11.2020 (33) China	(74) drs. A.A. Jilderda (31) 202010505660.0 (32) 05.06.2020 (33) China
(11) 1043946 (47) 19.09.2022 (22) 22.02.2021	(51) C02F 1/00 B01D 39/20	(51) C04B 28/02 C04B 18/06 E21F 15/00
(54) Bag in box met bovensluiting (73) Anderling B.V. (72) H.C.A. Hoekstra	(11) 2027592 (47) 15.09.2022 (22) 18.02.2021	(11) 2028205 (47) 20.09.2022 (22) 12.05.2021 (54) CONTROLLABLE PASTE FILLING METHOD FOR UNDERGROUND WASTE SPACE BASED ON COAL-BASED SOLID WASTE
(51) B65G 23/44 B65G 15/00 B65G 21/06	(54) DEVICE AND METHOD FOR SEPARATING SOLIDS FROM WASH-WATER EXITING AN EXHAUST GAS CLEANING SYSTEM (EGCS)	(73) Anhui University of Science and Technology
(11) 2027658 (47) 20.09.2022 (22) 26.02.2021	(73) WFU B.V. (72) Christiaan Leo Evert Nijst Franciscus Johannes Maria Schrauwen	(72) Ke Yang Qinjie Liu Zihua Li Feisheng Feng Denghong Chen Xin Lv Qiang Fu
(54) Transportsysteem omvattende meerdere transporteenheden voor het transporteren van producten (73) Vanderlande Industries B.V. (72) Monique Kramer Sander Bernard Wilhelmus van Roosmalen (74) ir. A. Blokland c.s.	(74) dr. ir. G.J.C. Verdijck c.s.	(74) drs. P.A. van Essen c.s. (31) 202011414141.X (32) 03.12.2020 (33) China
(51) B65G 25/06 (11) 2027595 (47) 19.09.2022 (22) 19.02.2021	(51) C02F 1/42 B01J 39/05 B01J 39/18	(51) C05F 3/00 C02F 1/469 B01D 61/42
(54) Slat for a reciprocating slat conveyor (73) Cargo Mac B.V. (72) Frans Arian Heino de Raad Nicolaas Marc Mater (74) ir. F.A. Geurts c.s.	(11) 2027567 (47) 14.09.2022 (22) 16.02.2021 (54) Method and apparatus for reducing sodium content in cultivation water for plants and cultivation system comprising said apparatus	(11) 2028734 (47) 16.09.2022 (22) 15.07.2021 (54) PROCESS TO SEPARATE MANURE
(51) B65G 69/00 (11) 2027581 (47) 15.09.2022 (22) 18.02.2021	(73) Van Dijk Heating B.V. (72) Bart Jan van den Berg (74) dr. ir. G.J.C. Verdijck c.s.	(73) MEZT B.V. (72) Adriaan Hendrik Liefinck Edward Kenneth Sibeijn Niels van Linden (74) ir. M. Cramwinckel (31) 2026211 (32) 04.08.2020 (33) Netherlands
(54) Geleiding en wagen voor toepassing bij een inrichting voor het blokkeren van het wiel van een vrachtwagen op een rijbaan voor een laad- en losperron. (73) Hörmann Alkmaar BV (72) Robbert Pieter Hendrikus Blom Arie Pieter Cornelis Koopman Frank Wolkers (74) mr. M.J.I. Koomen c.s.	(51) C02F 9/00 (11) 2028958 (47) 15.09.2022 (22) 11.08.2021 (54) INTEGRATED RURAL DOMESTIC SEWAGE TREATMENT APPARATUS IN SINGLE-HOUSEHOLD/JOINT-HOUSEHOLD STRUCTURE	(51) C05F 9/02 C05F 17/95 C05F 9/04 C05F 17/05 C05F 17/971
(51) B66C 23/34 B66C 23/70	(73) Agro-Environmental Protection Institute, Ministry of Agriculture and Rural Affairs (72) Peizhen Chen Dongkai Chen Xiangqun Zheng (74) dr. R.C. van Duijvenbode c.s.	(11) 2027676 (47) 20.09.2022 (22) 01.03.2021
(11) 1043943 (47) 14.09.2022 (22) 18.02.2021	(31) 202022942498.7 (32) 10.12.2020 (33) China	
(54) Meervoudig inzetbare torenkraan. (73) ir. Peter Paul Thomas Cornelia Stoof (72) ir. Peter Paul Thomas Cornelia Stoof	(51) C02F 9/00 (11) 2028973 (47) 20.09.2022 (22) 15.08.2021 (54) Een verplaatsbaar scheidingsstation en een werkwijze voor het filtreren van water	
	(73) Aqua D en S B.V.	

(54) Vermicomposting device, method for producing vermicompost, compost.	(32) 05.11.2020	(11) 2027621
(73) Waste No Waste B.V.	05.11.2020	(47) 19.09.2022
(72) Pieter Jan Vos	05.11.2020	(22) 23.02.2021
Alexandre Charles Roger Motta	(33) Netherlands	(54) Cooling and temperature control assembly for heat sensitive machine parts, with a coolant circuit that includes an active mechanical stirring tank as flow-through coolant reservoir.
Marloes Prins	Netherlands	
(74) ir. A. Blokland c.s.	Netherlands	
(51) C08G 65/336	Netherlands	
C09J 171/00	(51) E02F 9/26	(73) ENGIE Ventures & Integrated Solutions B.V.
C09J 201/10	E02F 3/36	(72) Berend Jurjen Bosscher
C09J 175/04	(11) 2027630	(74) ir. J.C. Volmer c.s.
(11) 2027625	(47) 20.09.2022	
(47) 19.09.2022	(22) 23.02.2021	(51) F03D 9/10
(22) 23.02.2021	(54) A quick coupler and a construction machine comprising the quick coupler	F03D 9/19
(54) Flexible Adhesive for gluing	(73) Eurosteel Engineering B.V.	F03D 13/25
(73) Strongbond B.V.	(72) Tom van Soest	(11) 2027667
(72) Rudolph Frank de Block	Wilhelmus Petronella Linssen	(47) 20.09.2022
Ilse Adriënne van Hees	(74) ir. A. Blokland c.s.	(22) 26.02.2021
(74) drs. P.A. van Essen c.s.	(51) E04B 1/76	(54) Floatable wind turbine for producing hydrogen
(51) C10M 137/08	E04D 13/16	(73) Frew Holding B.V.
(11) 2027155	E04B 1/80	(72) Jamie John Russell Frew
(47) 16.09.2022	E04B 1/86	(74) ir. A. Blokland c.s.
(22) 18.12.2020	E04B 1/90	
(54) ANTIWEAR AGENT	E04D 3/35	(51) F03D 13/10
(73) BRB Lube Oil Additives & Chemicals B.V.	E04D 3/361	F03D 13/25
(72) Juliane Felício Luiz	(11) 2027647	(11) 2027591
Paola Anguita Fernández	(47) 20.09.2022	(47) 14.09.2022
Ana Beatriz Alvez Nogueira	(22) 25.02.2021	(22) 18.02.2021
Robert Jozef Hendrik Houben	(54) Isolatiepaneel voor akoestische en/ of thermische isolatie, samenstel, en werkwijze	(54) BLADE INSTALLATION DEVICE AND METHOD FOR INSTALLING, DE-INSTALLATION OR MAINTENANCE OF A BLADE OF AN OFFSHORE WIND STRUCTURE
(74) dr. R.C. van Duijvenbode c.s.	(73) VAN MENSVOORT BEHEER B.V.	(73) Itrec B.V.
(51) D06J 1/00	(72) Rogier Petrus Adrianus Christian van Mensvoort	(72) Diederick Bernardus Wijning
(11) 2027651	(74) ir. H.Th. van den Heuvel c.s.	David Roodenburg
(47) 20.09.2022	(51) E04H 7/22	(74) ir. J.C. Volmer c.s.
(22) 25.02.2021	(11) 2027626	
(54) Inrichting voor het vervaardigen van een geplooid gordijn	(47) 19.09.2022	(51) F15B 7/02
(73) Eisenkolb Beheer B.V.	(22) 23.02.2021	F15B 7/10
(72) Johannes Adrianus Maria Vernooij	(54) SILODAK, VERSTEVIGINGSELEMENT EN SILO	(11) 1044148
(74) dr. ir. G.J.C. Verdijck c.s.	(73) FLEXXOLUTIONS GFS BV.	(47) 14.09.2022
(51) E01C 9/08	(72) Maik Hunder	(22) 07.09.2021
E01C 3/04	Martin Nieuwmeijer	(54) Compensation system for hydraulic systems
E01C 21/00	(74) W.J. Slikker	(73) PAL-V IP B.V.
(11) 1044179	(51) E21D 9/10	(72) Louis Petrus Valentijn van Rijn
(47) 20.09.2022	(11) 2027629	Sander de Roos
(22) 07.10.2021	(47) 20.09.2022	Erik van de Ruit
(54) Wegenbouwkundig fundatiesysteem voor een tijdelijke weg	(22) 23.02.2021	Antonius Pieter Carmel Urlings
(73) Romfix B.V.	(54) A boring machine	Hans Joore
(72) Paul Johannes Hermans van Riel	(73) IHC Holland IE B.V.	Michael Alwin William Stekelenburg
(31) 1043954	(72) Thomas Hurtz	(74) drs. O. Griebing
(32) 26.02.2021	Tobias Vraetz	
(33) Netherlands	Karsten Jansen	(51) F16B 2/20
(51) E01F 15/00	Hans Arnold Greve	(11) 2027294
(11) 2029656	Martijn van den Berg	(47) 14.09.2022
(47) 16.09.2022	(74) ir. A.R. Aalbers	(22) 08.01.2021
(22) 05.11.2021	(51) F01P 3/12	(54) Holder for electronic equipment
(54) Traffic barrier, method for using a barrier, and barrier module	F25B 1/00	(73) VMI Holland B.V.
(73) Baggermaatschappij Boskalis B.V.	F01P 7/16	(72) Mattheus Jacobus Kaagman
(72) Thijs Martin Maria Hagedoorn	B01F 7/22	Quinten Matthijs Bergmans
Hendrik Jan Karel de Kleuver	H01L 21/67	(74) ir. F.A. Geurts c.s.
Robert Jan van Zijl	F28F 13/12	(31) 202020062131.3
(74) ir. H.A. Witmans c.s.	B65D 88/06	(32) 13.01.2020
(31) 2026834	B01F 7/20	(33) China
2026837	B01F 15/06	
2026832		(51) F16L 41/14
2026833		B65D 88/16
		(11) 2027612

(47) 19.09.2022	G01D 5/353	(73) Gigaphoton Inc.
(22) 22.02.2021	G01L 9/00	(72) Yutaka Shiraishi
(54) CONNECTOR FOR CONNECTING AN ADAPTER TO A GAS EXCHANGE SYSTEM	(11) 2027604	Tsukasa Hori
(73) WINZA HOLDING B.V.	(47) 19.09.2022	(74) ir. H.Th. van den Heuvel c.s.
(72) Tim de Winter	(22) 19.02.2021	(31) 2020-108505
(74) dr. ir. G.J.C. Verdijck c.s.	(54) Optical measurement device for biological, biomimetic, and synthetic samples.	(32) 24.06.2020
(51) F24F 6/12	(73) Optics11 B.V.	(33) Japan
F24F 6/00	(72) Niek Rijnveld	(51) G06F 1/20
(11) 2027616	Grzegorz Gruca	G06F 9/50
(47) 19.09.2022	Kevin Bielawski	H05K 7/20
(22) 22.02.2021	Massimiliano Berardi	(11) 2027571
(54) Domestic air treatment device	(74) ir. G.P. den Braber	(47) 14.09.2022
(73) Duux Holding B.V.	(51) G01K 3/04	(22) 16.02.2021
(72) Mark Angenent	A23P 20/10	(54) SYSTEMS AND METHODS FOR DATACENTER THERMAL MANAGEMENT
(74) drs. P.A. van Essen c.s.	B65D 65/46	(73) Microsoft Technology Licensing, LLC
(51) F24T 10/10	(11) 2027635	(72) Ioannis Manousakis
(11) 2027563	(47) 20.09.2022	Rodrigo Lemos de Assis
(47) 14.09.2022	(22) 24.02.2021	David Thomas Gauthier
(22) 16.02.2021	(54) Pitaya-based edible time temperature indicator	Brijesh Warriar
(54) INRICHTING EN WERKWIJZE VOOR HET WINNEN VAN GEOTHERMISCHE ENERGIE	(73) Technische Universiteit Delft	(74) ir. J.C. Volmer c.s.
(73) STATE OF THE ART WORK Ltd.	(72) Mengmeng Zhang	(51) G06F 3/044
(72) Johannes Wilhelmus Maria van de Ven	Huseyin Burak Eral	G06F 3/041
(74) ir. M.B. Plaggenborg	Visakh Sasi Menon	(11) 2027589
(51) F25B 30/00	(74) dr. A. Ellens c.s.	(47) 15.09.2022
F24F 13/24	(51) G01N 1/06	(22) 18.02.2021
F24F 1/60	G01N 1/28	(54) COMPENSATING FOR TOUCH-SCREEN COUPLING THROUGH DISPLAY ELECTRODE
F24F 1/58	(11) 2027636	(73) Microsoft Technology Licensing, LLC
(11) 2027495	(47) 20.09.2022	(72) Eliyahu Barel
(47) 14.09.2022	(22) 24.02.2021	On Haran
(22) 04.02.2021	(54) Apparatus and method for manipulating thin film sections or ribbons of thin film sections	(74) ir. J.C. Volmer c.s.
(54) A sound insulation housing	(73) Technische Universiteit Delft	(51) G06F 13/40
(73) CoxGeelen B.V.	(72) Jacob Pieter Hoogenboom	G06F 13/42
(72) Arno van Dort	Elizabeth Catherine Marie Carroll	G06F 13/28
(74) ir. A. Blokland c.s.	Nahum Pang	(11) 2029100
(51) F28D 20/00	(74) ir. F.A. Geurts c.s.	(47) 16.09.2022
F28F 27/00	(51) G01S 7/40	(22) 01.09.2021
F24D 11/00	G01S 7/285	(54) ACCELERATOR CONTROLLER HUB
F24D 19/10	G01S 7/35	(73) Intel Corporation
F24D 17/00	G01S 13/88	(72) Pratik Marolia
F24S 40/70	G01S 13/931	Andrew Herdrich
F24D 3/08	H01Q 3/26	Rajesh Sankaran
(11) 2027593	(11) 2028600	Rahul Pal
(47) 14.09.2022	(47) 16.09.2022	David Puffer
(22) 18.02.2021	(22) 01.07.2021	Sayantan Sur
(54) Solar system for converting solar energy into heat	(54) APPARATUS, SYSTEM AND METHOD OF RADAR ANTENNA CALIBRATION	Ajaya Durg
(73) Conico Valves B.V.	(73) Intel Corporation	(74) dr. A. Krebs
(72) Nico Jacobus Louise van Ruth	(72) Arnaud Amadjikpe	(31) 17/083,200
(74) dr. ir. G.J.C. Verdijck c.s.	(74) dr. A. Krebs	(32) 28.10.2020
(51) F28D 21/00	(31) PCT/US2021/038480	(33) United States of America
F24F 12/00	63/061,846	(51) G06F 17/18
F24F 6/00	(32) 22.06.2021	A61B 5/00
(11) 2027648	06.08.2020	G16H 13/40
(47) 20.09.2022	(33) United States of America	G16H 40/67
(22) 25.02.2021	United States of America	G16H 50/20
(54) AN EVAPORATOR PLATE HEAT EXCHANGER	(51) G03F 7/20	(11) 2029258
(73) DUTCH INNOVATION IN AIR TREATMENT B.V.	H05G 2/00	(47) 20.09.2022
(72) Vincent Trip	(11) 2028111	(22) 27.09.2021
Arthur van der Lee	(47) 14.09.2022	(54) Detection of aberrations in health parameters of a subject
(74) ir. M. Cramwinckel	(22) 30.04.2021	(73) KONINKLIJKE PHILIPS N.V.
(51) G01B 11/16	(54) TARGET SUPPLY DEVICE, TARGET SUPPLY METHOD, AND ELECTRONIC DEVICE MANUFACTURING METHOD	(72) Warner Rudolph Theophile ten Kate
		(74) dr. P.E. de Haan c.s.
		(51) G06F 21/56

G06F 21/53	(11) 2027583	(72) Ming-Hsun Lin
(11) 2028230	(47) 15.09.2022	Chao-Lin Chen
(47) 14.09.2022	(22) 18.02.2021	(74) dr. R.C. van Duijvenbode c.s.
(22) 18.05.2021	(54) A time-of-flight mass spectrometer device	(31) 109132132
(54) METHODS AND SYSTEMS FOR	(73) DEEM Consulting B.V.	(32) 17.09.2020
PREVENTING MALICIOUS ACTIVITY IN	(72) Maarten Hebbink	(33) Taiwan, Province of China
A COMPUTER SYSTEM	Hermen Jan Wichers	(51) H03F 1/02
(73) Trust, Ltd	(51) H01L 31/04	H03F 1/56
(72) Andrei Bryzgin	H01L 31/05	H03F 3/213
Pavel Suprunyuk	(11) 2027572	H03F 3/24
(74) ir. A.R. Aalbers	(47) 14.09.2022	H01L 23/66
(31) 2020128525	(22) 17.02.2021	H03F 3/195
(32) 27.08.2020	(54) Foil for use with a double curved solar	(11) 2027603
(33) Russian Federation	panel	(47) 19.09.2022
(51) G06F 21/57	(73) Atlas Technologies Holding B.V.	(22) 19.02.2021
G06F 21/78	(72) Durandus Kornelius Dijken	(54) Hybrid Doherty power amplifier module
G06F 21/84	Hendrik Nicolaas Slingerland	(73) Ampleon Netherlands B.V.
(11) 2029297	(51) H01M 4/90	(72) Zhi Geng
(47) 16.09.2022	(11) 2031230	Yi Zhu
(22) 30.09.2021	(47) 20.09.2022	(74) dr. ir. G.J.C. Verdijck c.s.
(54) GRAPHICS SECURITY WITH	(22) 10.03.2022	(51) H04L 9/08
SYNERGISTIC ENCRYPTION,	(54) Wood - based carbon foam and	G06F 12/14
CONTENT-BASED AND RESOURCE	preparation method thereof, cathode	(11) 2029042
MANAGEMENT TECHNOLOGY	electrocatalyst, cathode and metal air	(47) 16.09.2022
(73) Intel Corporation	battery	(22) 25.08.2021
(72) Ned M. Smith	(73) Advanced Materials Institute, Shandong	(54) CIRCUITRY AND METHODS FOR
Julien Carreno	Academy of Sciences	SPATIALLY UNIQUE AND LOCATION
Scott Janus	(72) Yanqing Zhang	INDEPENDENT PERSISTENT
Ronald Silvas	Peipei Sun	MEMORY ENCRYPTION
Siddhartha Chhabra	Tingfeng Hong	(73) Intel Corporation
Alex Nayshtut	Meng Wang	(72) Anand K. Enamandram
Omer Ben-Shalom	Huaipeng Pang	Hormuzd Khosravi
Xiaoyu Ruan	Xingshuang Zhang	Tiffany J. Kasanicky
David Cowperthwaite	(74) dr. T. Wittop Koning PhD	Mahesh Natu
Vidhya Krishnan	(31) 202110284425.X	Manjula Peddireddy
Rajesh Poornachandran	(32) 17.03.2021	Robert A. Branch
David Puffer	(33) China	Siddhartha Chhabra
Aditya Navale	(51) H02S 20/25	(74) dr. A. Krebs
Tomer Levy	H02S 40/32	(31) 17/033,745
Ankur Shah	(11) 2028074	(32) 26.09.2020
Aravindh Anantaraman	(47) 20.09.2022	(33) United States of America
David Zage	(22) 26.04.2021	(51) H04L 9/32
Vedvyas Shanbhogue	(54) ZONNEPANEELINRICHTING,	(11) 2029296
(74) dr. A. Krebs	DAKBEDEKKING EN WERKWIJZE	(47) 16.09.2022
(31) 63/108,691	VOOR HET OPWEKKEN VAN	(22) 30.09.2021
17/133,336	ELEKTRICITEIT	(54) GRAPHICS SECURITY WITH
(32) 02.11.2020	(73) Anne-Oeds de Boer	SYNERGISTIC ENCRYPTION,
23.12.2020	(72) Anne-Oeds de Boer	CONTENT-BASED AND RESOURCE
(33) United States of America	(74) dr. ir. G.J.C. Verdijck c.s.	MANAGEMENT TECHNOLOGY
United States of America	(31) 2027638	(73) Intel Corporation
(51) G09G 3/32	(32) 24.02.2021	(72) Ned M. Smith
G09G 3/3208	(33) Netherlands	Pradeep Pappachan
G09G 3/20	(51) H02S 20/26	Rajesh Poornachandran
G09G 3/34	H01L 31/0216	Omer Ben-Shalom
(11) 2027588	(11) 2027598	Reshma Lal
(47) 15.09.2022	(47) 19.09.2022	Prashant Dewan
(22) 18.02.2021	(22) 19.02.2021	Alex Nayshtut
(54) PIXEL LUMINANCE FOR DIGITAL	(54) Prefabricated façade panel	Gaurav Kumar
DISPLAY	(73) Studio Solarix B.V.	(74) dr. A. Krebs
(73) Microsoft Technology Licensing, LLC	(72) Reinier Helmig Bosch	(31) 17/133,367
(72) Ying Zheng	(74) ir. A. Blokland c.s.	63/108,691
Matthew D. Morris	(51) H02S 30/10	(32) 23.12.2020
Vasudha Gupta	(11) 2029192	02.11.2020
Younghun Paik	(47) 20.09.2022	(33) United States of America
(74) ir. J.C. Volmer c.s.	(22) 16.09.2021	United States of America
(51) H01J 49/40	(54) Photovoltaic Module Frame	(51) H04L 9/32
H01J 49/16	(73) RITEK CORPORATION	G06F 21/62
G01N 15/14		H04L 9/40

- (11) 2028778  
 (47) 14.09.2022  
 (22) 19.07.2021  
 (54) Blockchain electronic contract management system  
 (73) Jiangsu Aowei Holdings Co., Ltd.  
 (72) Jie Bai  
 (74) ir. H.A. Witmans c.s.  
 (31) 202010938102.3  
 202010698922.X  
 (32) 09.09.2020  
 20.07.2020  
 (33) China  
 China
- 
- (51) H04L 9/32  
 H04L 9/40  
 H04W 12/069  
 H04W 12/63  
 G01S 17/08  
 (11) 2029052  
 (47) 16.09.2022  
 (22) 25.08.2021  
 (54) IDENTIFYING AND DISTANCE-MEASURING REMOTE DEVICES  
 (73) BRIGHT COCOON B.V  
 (72) John de Graaff  
 (74) mr.ir. A.P. Engelfriet  
 (31) 2026366  
 (32) 28.08.2020  
 (33) Netherlands
- 
- (51) H04R 1/10  
 (11) 2027562  
 (47) 14.09.2022  
 (22) 16.02.2021  
 (54) SOUND CHANNEL, PORTABLE AUDIO DEVICE COMPRISING SUCH A SOUND CHANNEL AND METHOD OF OPERATING SUCH A SOUND CHANNEL  
 (73) SONION NEDERLAND B.V.  
 (72) Caspar Titus Bolsman  
 (74) W.J. Slikker
- 
- (51) H04W 72/12  
 G06N 3/00  
 (11) 2029288  
 (47) 14.09.2022  
 (22) 30.09.2021  
 (54) MODEL-ASSISTED DEEP REINFORCEMENT LEARNING BASED SCHEDULING IN WIRELESS NETWORKS  
 (73) Intel Corporation  
 (72) Vallabhajosyula Somayazulu  
 Ravikumar Balakrishnan  
 Rath Vannithamby  
 Arjun Anand  
 (74) dr. A. Krebs  
 (31) 17/479,991  
 63/088,989  
 (32) 20.09.2021  
 07.10.2020  
 (33) United States of America  
 United States of America
- 
- (51) H05G 2/00  
 (11) 2029072  
 (47) 16.09.2022  
 (22) 27.08.2021
- (54) TIN TRAP DEVICE, EXTREME ULTRAVIOLET LIGHT GENERATION APPARATUS, AND ELECTRONIC DEVICE MANUFACTURING METHOD  
 (73) Gigaphoton Inc.  
 (72) Gouta Niimi  
 Georg Soumagne  
 (74) ir. A. Blokland c.s.  
 (31) 2020-182838  
 (32) 30.10.2020  
 (33) Japan
-

**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 15/18	(51) A01B 79/00	(33) Germany
A01C 21/00	(11) EP3434090	(51) A01F 15/07
A01C 23/00	(21) EP18185198.1	(11) EP3300585
A01C 23/02	(47) 21.09.2022	(21) EP17001581.2
(11) EP3661344	(22) 24.07.2018	(47) 21.09.2022
(21) EP18840645.8	(54) SYSTEM FOR ACQUIRING THREE-DIMENSIONAL ENVIRONMENTAL DATA, IN PARTICULAR FOR PLANT CARE, AS WELL AS A SENSOR MODULE	(22) 22.09.2017
(47) 21.09.2022	(73) Vorwerk & Co. Interholding GmbH	(54) ROUND-BALE PRESS FOR HOLDING AND PRESSING AGRICULTURAL PRODUCE
(87) US2018043816	(72) Hackert, Georg	(73) Maschinenfabrik Bernard Krone GmbH & Co. KG
07.02.2019	Helmich, Martin	(72) Sand, Christian
(22) 26.07.2018	Hillen, Lorenz	Kracht, Katharina
(54) METHOD AND APPARATUS FOR APPLYING LIQUID NUTRIENTS BETWEEN PARALLEL ROWS OF STANDING CROPS	Holz, Christian	Papen, Michael
(73) Alig Environmental Solutions, LLC	Isenberg, Gerhard	(31) 102016011635
(72) ALIG, David Dale	Koetz, Hendrik	(32) 28.09.2016
ALIG, Gregory K.	Mosebach, Andrej	(33) Germany
ALIG, Rick E.	Ortmann, Roman	(51) A01G 31/02
(31) 201715666893	Dulinski, Robin	A01G 31/06
(32) 02.08.2017	(31) 102017116661	(11) EP3937616
(33) United States of America	(32) 24.07.2017	(21) EP20718366.6
(51) A01B 39/08	(33) Germany	(47) 21.09.2022
A01B 39/16	(51) A01B 79/00	(87) IB2020052273
A01B 61/04	A01D 41/127	17.09.2020
A01B 63/02	(11) EP3837942	(22) 13.03.2020
F16F 1/00	(21) EP20208171.7	(54) SYSTEM AND METHOD FOR CULTIVATING PLANT PRODUCTS WITHOUT SOIL
(11) EP3912443	(47) 21.09.2022	(73) ZERO SRL
(21) EP21169159.7	(22) 17.11.2020	(72) ALESSIO, Andrea
(47) 21.09.2022	(54) WORK MACHINE ZONE GENERATION AND CONTROL SYSTEM WITH GEOSPATIAL CONSTRAINTS	MODESTO, Daniele
(22) 19.04.2021	(73) Deere & Company	(31) 201900003689
(54) SOIL-DRIVEN ROTARY HOE FOR TILLAGE OF PLANT SPACINGS	(72) Sidon, Jeffrey S.	(32) 13.03.2019
(73) Vadkert-Agrotechnikai Kft	Helmich, Sam	(33) Italy
(72) Nagy, Gábor	Anderson, Scott W.	(51) A01K 67/027
(31) 2000167	Glass, David	C07K 16/00
(32) 21.05.2020	(31) 202016780338	C07K 16/46
(33) Hungary	201962949072 P	C12N 9/12
(51) A01B 59/048	(32) 03.02.2020	(11) EP3720279
A01B 63/108	17.12.2019	(21) EP18821945.5
B60D 1/26	(33) United States of America	(47) 21.09.2022
B60D 1/36	United States of America	(87) US2018063841
B60D 1/62	(51) A01F 12/00	13.06.2019
B60D 3/00	A01F 12/18	(22) 04.12.2018
E01H 5/06	A01F 12/44	(54) MICE HAVING AN ENGINEERED IMMUNOGLOBULIN LAMBDA LIGHT CHAIN AND USES THEREOF
B62D 49/06	A01D 41/02	(73) Regeneron Pharmaceuticals, Inc.
E02F 3/36	A01D 41/12	(72) MURPHY, Andrew J.
E02F 3/627	(11) EP3703487	MACDONALD, Lynn
E02F 9/22	(21) EP18804519.9	GUO, Chunguang
(11) EP3506729	(47) 21.09.2022	MCWHIRTER, John
(21) EP17844723.1	(87) EP2018079668	(31) 201762609251 P
(47) 21.09.2022	09.05.2019	201762609241 P
(87) CA2017050120	(22) 30.10.2018	201762594944 P
08.03.2018	(54) METHOD FOR HARVESTING GRAIN CROPS, AND APPARATUS, PROVIDED THEREFOR, FOR A HARVESTER	201762594946 P
(22) 03.02.2017	(73) Kalverkamp Innovation GmbH	(32) 21.12.2017
(54) TRACTOR FRONT LINKAGE QUICK ATTACH COUPLING SYSTEM	(72) KALVERKAMP, Klemens	21.12.2017
(73) Equipement VTC Mfg Inc.	KALVERKAMP, Felix	05.12.2017
(72) PIGEON, Norbert	(31) 102017125590	05.12.2017
(31) 201615255892	(32) 02.11.2017	(33) United States of America
(32) 02.09.2016		
(33) United States of America		

United States of America	(22) 14.10.2009	ECHANIZ, Ana
United States of America	(54) FOOD COMPOSITIONS OF	ZHU, Ruolin
United States of America	MICROALGAL BIOMASS	(31) 201462018417 P
(51) A01M 1/14	(73) Corbion Biotech, Inc.	(32) 27.06.2014
A01M 1/16	(72) BROOKS, Geoffrey	(33) United States of America
(11) EP3320774	FRANKLIN, Scott	(51) A23L 33/135
(21) EP17001876.6	AVILA, Jeff	A61K 35/747
(47) 21.09.2022	DECKER, Stephen, M.	A61P 3/10
(22) 30.04.2009	BALIU, Enrique	(11) EP3558330
(54) AN ADHESIVE PAPER FOR AN INSECT	RAKITSKY, Walter	(21) EP17883875.1
TRAP	PIECHOCKI, John	(47) 21.09.2022
(73) Brandenburg (UK) Limited	ZDANIS, Dana	(87) IB2017053262
(72) Willcox, John Cadman	(31) 246070 P	28.06.2018
Kaye, Mathew Varghese	173166 P	(22) 02.06.2017
(31) 0808534	157187 P	(54) USE OF LACTIC ACID BACTERIA TO
(32) 02.05.2008	105121 P	TREAT OR PREVENT GESTATIONAL
(33) United Kingdom	(32) 25.09.2009	DIABETES MELLITUS
(51) A01M 7/00	27.04.2009	(73) University of Otago
(11) EP3869954	03.03.2009	(72) WICKENS, Kristin Lee
(21) EP19794448.1	14.10.2008	(31) 16727914
(47) 21.09.2022	(33) United States of America	(32) 22.12.2016
(87) EP2019078358	United States of America	(33) New Zealand
30.04.2020	United States of America	(51) A24B 13/00
(22) 18.10.2019	United States of America	A24B 15/10
(54) AGRICULTURAL SPRAYING	(51) A23D 9/00	A61K 9/00
EQUIPMENT	A23G 3/00	A61K 31/465
(73) Amazonen-Werke H. Dreyer SE & Co.	A21D 2/16	(11) EP3809884
KG	A21D 13/00	(21) EP20758114.1
(72) KLEMANN, Timo	A23D 9/04	(47) 21.09.2022
KIEFER, Stefan	(11) EP3657954	(87) DK2020050163
(31) 102018126587	(21) EP18742812.3	10.12.2020
(32) 25.10.2018	(47) 21.09.2022	(22) 05.06.2020
(33) Germany	(87) EP2018070226	(54) NICOTINE POUCH PRODUCT
(51) A01M 21/04	31.01.2019	(73) Philip Morris Products S.A.
(11) EP3501276	(22) 25.07.2018	(72) STAHL, My Ly Lao
(21) EP18202814.2	(54) NON-HYDROGENATED FAT	BRUUN, Heidi Ziegler
(47) 21.09.2022	COMPOSITION, USE AND PROCESS	NIELSEN, Bruno Provstgaard
(22) 26.10.2018	(73) Bunge Lodders Croklaan B.V.	JAKOBSEN, Bine Hare
(54) METHOD FOR THERMAL WEED	(72) MA, Jun	(31) PA201970611
REMOVAL	DE VRIND, Vincent Hubertus Cornelis	PA201970612
(73) Kress, Markus	NOPPERS, Josien Mathilde Elisabeth	PA201970610
(72) Kress, Markus	PETRUT, Raul-Flaviu	PA201900698
(31) 102017222120	FRANX, Johan	(32) 30.09.2019
(32) 07.12.2017	EKKES, Hans	30.09.2019
(33) Germany	(31) 17275117	30.09.2019
(51) A01N 25/34	(32) 26.07.2017	07.06.2019
A01N 37/06	(33) European Patent Office (EPO)	(33) Denmark
B32B 3/30	(51) A23L 33/10	Denmark
B32B 27/00	A23L 2/66	Denmark
(11) EP3481197	A23L 2/68	Denmark
(21) EP16908327.6	A23L 2/02	(51) A24D 3/17
(47) 21.09.2022	A23L 23/00	A24F 40/53
(87) US2016041471	A23J 3/20	A24F 40/10
11.01.2018	A23L 33/17	A24F 40/20
(22) 08.07.2016	A23L 33/185	(11) EP3723525
(54) ANTIMICROBIAL PACKAGING FILMS	A23L 17/60	(21) EP18815696.2
(73) Bemis Company, Inc.	(11) EP3160264	(47) 21.09.2022
(72) GOKHALE, Ankush A.	(21) EP15734548.9	(87) EP2018084204
(51) A23D 7/00	(47) 21.09.2022	20.06.2019
A23K 10/16	(87) US2015038172	(22) 10.12.2018
A23K 20/158	30.12.2015	(54) AEROSOL-GENERATING DEVICE
A21D 2/16	(22) 26.06.2015	WITH FEEDBACK CONTROL
(11) EP2339925	(54) METHOD OF MAKING A HIGH-	(73) Philip Morris Products S.A.
(21) EP09821204.6	PROTEIN ACIDIC LIQUID FOOD	(72) RIVA REGGIORI, Riccardo
(47) 21.09.2022	PRODUCT USING HIGH-PROTEIN	BESSANT, Michel
(87) US2009060692	MICROALGAE	GONZALEZ FLOREZ, Ana Isabel
22.04.2010	(73) Corbion Biotech, Inc.	(31) 17207157
	(72) KLAMCZYNSKA, Beata	(32) 13.12.2017

(33) European Patent Office (EPO)	(11) EP3589145	FRAZIER, Devon
(51) A24F 40/05	(21) EP18705147.9	(31) 202063037208 P
A24F 40/10	(47) 21.09.2022	202063037196 P
A24F 40/40	(87) EP2018053725	201962876251 P
(11) EP3616536	07.09.2018	(32) 10.06.2020
(21) EP18818641.5	(22) 14.02.2018	10.06.2020
(47) 21.09.2022	(54) AEROSOL-GENERATING SYSTEM	19.07.2019
(87) CN2018087073	WITH ELECTRODES AND SENSORS	(33) United States of America
20.12.2018	(73) Philip Morris Products S.A.	United States of America
(22) 16.05.2018	(72) BESSANT, Michel	United States of America
(54) ULTRASONIC ELECTRONIC	ROBERT, Jacques	
CIGARETTE ATOMISER AND	REEVELL, Tony	(51) A43B 11/00
ELECTRONIC CIGARETTE	(31) 17158521	A43B 13/14
(73) China Tobacco Hunan Industrial Co., Ltd.	(32) 28.02.2017	A43B 3/26
(72) LIU, Jianfu	(33) European Patent Office (EPO)	(11) EP3629812
ZHONG, Kejun	(51) A24F 47/00	(21) EP18731618.7
GUO, Xiaoyi	A24F 1/00	(47) 21.09.2022
HUANG, Wei	A24F 40/20	(87) US2018033690
YIN, Xinqiang	A24F 40/42	29.11.2018
YI, Jianhua	(11) EP3679815	(22) 21.05.2018
ZHOU, Yongquan	(21) EP19219664.0	(54) PRE-TENSIONED ARTICLE AND
(31) 201720702178 U	(47) 21.09.2022	METHOD OF MAKING
(32) 16.06.2017	(22) 10.07.2015	(73) Nike Innovate C.V.
(33) China	(54) AEROSOL-GENERATING SYSTEM	(72) CROSS, Tory M.
(51) A24F 40/42	WITH IMPROVED AIR FLOW	FARRIS, Bryan N.
A24F 40/60	CONTROL	LANGVIN, Elizabeth
A24F 40/10	(73) Philip Morris Products S.A.	(31) 201715604870
A24F 40/50	(72) BATISTA, Rui Nuno	(32) 25.05.2017
(11) EP3745890	FERNANDO, Keethan Dasnavis	(33) United States of America
(21) EP18829382.3	HEDARCHET, Stéphane	(51) A43B 13/04
(47) 21.09.2022	ZINOVIK, Ihar Nikolaevich	A43B 13/18
(87) EP2018086347	(31) 14176832	B29D 35/12
01.08.2019	(32) 11.07.2014	B33Y 80/00
(22) 20.12.2018	(33) European Patent Office (EPO)	C08J 9/33
(54) LIGHTING UNIT FOR AEROSOL-	(51) A41D 19/00	B29C 35/08
GENERATING SYSTEMS	A41D 19/02	B29C 67/20
(73) Philip Morris Products S.A.	A41D 31/102	(11) EP3918943
(72) RICKETTS, Nikolaus Martin Ernest	(11) EP3474692	(21) EP21188342.6
Wilhelm	(21) EP16732656.0	(47) 21.09.2022
SLAMA, Philippe	(47) 21.09.2022	(22) 01.06.2018
(31) 18153886	(87) EP2016065036	(54) METHOD OF MANUFACTURING
(32) 29.01.2018	04.01.2018	ARTICLES UTILIZING FOAM
(33) European Patent Office (EPO)	(22) 28.06.2016	PARTICLES
(51) A24F 40/465	(54) METHOD FOR MANUFACTURING	(73) NIKE Innovate C.V.
A24F 40/50	A WATER VAPOR PERMEABLE OR	(72) CONSTANTINO, Jay
A24F 40/20	BREATHABLE THREE-DIMENSIONAL	DOREMUS, Harleigh
H02M 7/5387	GLOVE OR GLOVE LINING	FOLGAR, Luis
H05B 1/02	(73) W.L. Gore & Associates GmbH	KVAMME, Brandon
H05B 6/10	(72) ZAGGL, Alexander	SCHILLER, Denis
(11) EP3727064	ZOUDLIK, Holger	(31) 201862626358 P
(21) EP18833647.3	(51) A43B 5/02	201762513959 P
(47) 21.09.2022	A43B 13/14	(32) 05.02.2018
(87) EP2018086145	A43B 13/12	01.06.2017
27.06.2019	A43B 13/04	(33) United States of America
(22) 20.12.2018	A43B 3/00	United States of America
(54) CIRCUITRY FOR A PLURALITY OF	B29D 35/06	
INDUCTION ELEMENTS FOR AN	(11) EP3855970	(51) A43B 13/14
AEROSOL GENERATING DEVICE	(21) EP20750143.8	A43B 13/02
(73) Nicoventures Trading Limited	(47) 21.09.2022	A43B 13/12
(72) WHITE, Julian	(87) US2020042343	A43B 13/18
HORROD, Martin	28.01.2021	B29D 35/00
(31) 201721612	(22) 16.07.2020	B29D 35/12
(32) 21.12.2017	(54) ARTICLES OF FOOTWEAR INCLUDING	(11) EP3795022
(33) United Kingdom	SOLE STRUCTURES AND RAND	(21) EP18919294.1
(51) A24F 40/51	(73) Nike Innovate C.V.	(47) 21.09.2022
A24F 40/53	(72) FARR, Isaac	(87) JP2018019349
G01F 23/24	WALKER, Jeremy D.	21.11.2019
A24F 40/10	WRIGHT, Zachery C.	(22) 18.05.2018
		(54) MIDSOLE AND SHOE
		(73) ASICS Corporation

(72) TATEISHI, Junichiro	(51) A45C 5/14	(33) China
(51) A43B 13/14	B60B 33/00	(51) A46B 9/02
A43B 13/12	B60B 37/10	(11) EP3203875
(11) EP3357366	(11) EP3773057	(21) EP15775736.0
(21) EP18154014.7	(21) EP19721122.0	(47) 21.09.2022
(47) 21.09.2022	(47) 21.09.2022	(87) EP2015073475
(22) 30.01.2018	(87) IB2019052685	14.04.2016
(54) SOLE BOARD	10.10.2019	(22) 09.10.2015
(73) Adidas AG	(22) 02.04.2019	(54) APPLICATOR FOR APPLYING A
(72) ARMON, Aric Rishard	(54) TRAVEL SUITCASE	COSMETIC, MAKEUP OR CARE,
DETERMAN, Jeremy James	(73) Bucchia, Adriano	PRODUCT TO THE EYELASHES AND/
LUTHER, Derek Andrew	CRASH BAGGAGE S.R.L.	OR EYEBROWS
MARTUSHEV, Nikit	(72) BUCCHIA, Adriano	(73) L'OREAL
MURPHY, Kevin Alan	(31) 201800004182	(72) MANICI, Davide
HUANG, Li-Chun	(32) 03.04.2018	CAULIER, Eric
(31) 201715423221	(33) Italy	BERHAULT, Alain
(32) 02.02.2017	(51) A45D 20/12	THENIN, Audrey
(33) United States of America	(11) EP3427609	(31) 1459749
(51) A43B 13/18	(21) EP18183225.4	(32) 10.10.2014
(11) EP3692852	(47) 21.09.2022	(33) France
(21) EP20166564.3	(22) 12.07.2018	(51) A46B 13/00
(47) 21.09.2022	(54) HAIR DRYER INCLUDING AN	A47L 9/04
(22) 17.12.2012	ATTACHMENT; ATTACHMENT FOR A	(11) EP3646756
(54) ARTICLE OF FOOTWEAR HAVING AN	HAIR DRYER	(21) EP19204248.9
ELEVATED PLATE SOLE STRUCTURE	(73) Spectrum Brands, Inc.	(47) 21.09.2022
(73) NIKE Innovate C.V.	(72) DEGROOD, Michael John	(22) 21.10.2019
(72) PEYTON, Lee D.	KUZIA, Jay William	(54) A VACUUM CLEANER
DEVOE, Devonne	(31) 201715650606	(73) Black & Decker Inc.
(31) 201113336488	(32) 14.07.2017	(72) Muir, Derek
(32) 23.12.2011	(33) United States of America	(31) 201817678
(33) United States of America	(51) A46B 3/00	(32) 30.10.2018
(51) A43D 3/02	A46B 5/00	(33) United Kingdom
A43D 119/00	A46B 11/00	(51) A47B 96/06
(11) EP3302158	A46B 15/00	A47B 96/14
(21) EP16729682.1	B23K 3/08	F16B 12/10
(47) 21.09.2022	A46B 13/00	A47B 57/54
(87) US2016034151	(11) EP3554312	(11) EP3593674
08.12.2016	(21) EP17829002.9	(21) EP18784950.0
(22) 25.05.2016	(47) 21.09.2022	(47) 21.09.2022
(54) SHOE LAST EXTENSION AND	(87) GB2017053726	(87) KR2018002611
SYSTEM FOR MANUFACTURING A	21.06.2018	18.10.2018
SHOE	(22) 13.12.2017	(22) 06.03.2018
(73) Nike Innovate C.V.	(54) DEVICE FOR APPLYING A	(54) OPENING AND CLOSING TYPE SHELF
(72) JURKOVIC, Dragan	COMPOSITION TO A PIPE END	FIXING CLAMP
MARS, Philip	(73) Evans, Desmond	(73) MSINTECH CO., LTD.
HSIAO, Yu-Shu	(72) KNOX, Stefan	(72) WOO, Cheol Seok
LIN, Chun-Chi	DAVIES, Theodore	(31) 20170048171
(31) 201514746591	(31) 201621241	(32) 14.04.2017
201562168836 P	(32) 14.12.2016	(33) Korea (Republic)
(32) 22.06.2015	(33) United Kingdom	(51) A47C 21/04
31.05.2015	(51) A46B 3/12	A47C 27/14
(33) United States of America	A46B 5/00	(11) EP3840612
United States of America	A46B 9/08	(21) EP19762631.0
(51) A44C 17/04	A46B 3/16	(47) 21.09.2022
(11) EP3539406	(11) EP3449764	(87) US2019047496
(21) EP18161475.1	(21) EP17788904.5	27.02.2020
(47) 21.09.2022	(47) 21.09.2022	(22) 21.08.2019
(22) 13.03.2018	(87) IB2017052355	(54) COATED OPEN-CELL POLYURETHANE
(54) METHOD FOR SETTING STONES	02.11.2017	FOAM STRUCTURES WITH THERMAL
IN A SUPPORTING ELEMENT AND	(22) 25.04.2017	ABSORPTION CAPABILITIES
DECORATIVE ARTICLE	(54) ENVIRONMENT-FRIENDLY AND	(73) Dow Global Technologies LLC
(73) Dress Your Body S.A.	FLOCKING HOLE-FREE PAINT	(72) AOU, Kaoru
(72) Uldry, Igor-Emmanuel	BRUSH AND PROCESSING METHOD	XU, Wenbo
Lauper, Stéphane	THEREFOR	GU, Yibei
Blaser, Lionel	(73) Chan, Wing Chi	BRUNE, Douglas
François, Nicolas	(72) Chan, Wing Chi	DIETSCHKE, Laura
Kaltenrieder, Cédric	(31) 201610259333	BLACK, Marc
	(32) 25.04.2016	(31) 201862720409 P

(32) 21.08.2018	(33) World Intellectual Property Office (WIPO)	(33) Germany
(33) United States of America	(51) A47J 36/10	(51) A47L 9/32
(51) A47J 27/09	A47J 43/042	A47L 9/28
(11) EP3945952	A47J 43/046	(11) EP3456235
(21) EP20833759.2	A47J 43/07	(21) EP17796305.5
(47) 21.09.2022	(11) EP3815586	(47) 21.09.2022
(87) EP2020086103	(21) EP20202772.8	(87) KR2017004392
15.07.2021	(47) 21.09.2022	16.11.2017
(22) 15.12.2020	(22) 20.10.2020	(22) 25.04.2017
(54) PRESSURE COOKER	(54) BLENDER	(54) CLEANER HOLDER
(73) WMF GmbH	(73) LG Electronics Inc.	(73) LG Electronics Inc.
(72) MORMONE, Maria	(72) KIM, Mingyu	(72) KIM, Namhee
REINHARD, Dieter	YE, Jinhae	NAM, Bohyun
(31) 102020200156	(31) 20190139511	HWANG, Jungbae
(32) 08.01.2020	(32) 04.11.2019	KIM, Jinju
(33) Germany	(33) Korea (Republic)	BAE, Sehwan
(51) A47J 31/36	(51) A47J 37/12	(31) 20160108642
(11) EP3893702	A47J 27/14	20160056462
(21) EP19821226.8	(11) EP3524107	(32) 25.08.2016
(47) 21.09.2022	(21) EP19151711.9	09.05.2016
(87) NL2019050831	(47) 21.09.2022	(33) Korea (Republic)
18.06.2020	(22) 14.01.2019	Korea (Republic)
(22) 12.12.2019	(54) KITCHEN APPLIANCE COMPRISING A	(51) A47L 11/18
(54) SYSTEM FOR PREPARING	DRAINAGE CORE CONTROLLED BY A	A47L 11/20
A QUANTITY OF BEVERAGE	HYDRAULIC CONTROL	A47L 11/30
COMPRISING AN AIR PURGE	(73) Illinois Tool Works, Inc.	A47L 11/40
GROOVE.	(72) BRUN-COSME-GAZOT, Jean-Marc	(11) EP3811838
(73) Koninklijke Douwe Egberts B.V.	(31) 1851198	(21) EP20210505.2
(72) NOORDHUIS, Joeke	(32) 13.02.2018	(47) 21.09.2022
FAVERO, Andrea	(33) France	(22) 24.02.2020
OGINK, Judith Margreet Hanneke	(51) A47L 9/00	(54) SURFACE CLEANING APPARATUS
VAN TOOR, Johan	(11) EP3831263	WITH DRYING CYCLE
DE GRAAFF, Gerbrand Kristiaan	(21) EP20212044.0	(73) Bissell Inc.
BEEKMAN, Jarno	(47) 21.09.2022	(72) Ashbaugh, Kurt
(31) 2022190	(22) 04.12.2020	Pruiett, Jason
(32) 12.12.2018	(54) AUTONOMOUS FLOOR CLEANER	Miller, David
(33) Netherlands	WITH AUDIBLE WARNING	Van Tongeren, Todd
(51) A47J 31/36	(73) Bissell Inc.	(31) 201962810525 P
A47J 31/40	(72) Brown, Adam	(32) 26.02.2019
A47J 31/44	(31) 201962944593 P	(33) United States of America
A47J 31/58	(32) 06.12.2019	(51) A47L 11/40
(11) EP2926698	(33) United States of America	(11) EP3485789
(21) EP15164569.4	(51) A47L 9/20	(21) EP17827985.7
(47) 21.09.2022	A47L 9/28	(47) 21.09.2022
(22) 05.05.2011	A47L 11/40	(87) KR2017007552
(54) CONTROLLED MOTORIZED BREWING	G05D 1/02	18.01.2018
UNIT	A47L 11/24	(22) 14.07.2017
(73) Société des Produits Nestlé S.A.	(11) EP3366180	(54) ROBOTIC CLEANER
(72) Möri, Peter	(21) EP17206628.4	(73) LG Electronics Inc.
(31) 10174412	(47) 21.09.2022	(72) JANG, Jaewon
(32) 27.08.2010	(22) 12.12.2017	PARK, Jeongseop
(33) European Patent Office (EPO)	(54) SERVICE DEVICE FOR A DOMESTIC	YOON, Sungho
(51) A47J 31/54	APPLIANCE	(31) 201662362358 P
A47J 31/46	(73) Vorwerk & Co. Interholding GmbH	(32) 14.07.2016
A47J 31/56	(72) Schönhoff, Helmut	(33) United States of America
(11) EP3188628	Jentsch, Jochen	(51) A47L 11/40
(21) EP14825341.2	Schmidt, Dirk	(11) EP3482669
(47) 21.09.2022	Schweppe, Sabine	(21) EP18204770.4
(87) EP2014079033	Windorfer, Harald	(47) 21.09.2022
10.03.2016	Blum, Michael	(22) 07.11.2018
(22) 22.12.2014	Hahn, Pia	(54) WET CLEANING DEVICE FOR
(54) BEVERAGE PREPARATION	Zabback, Iris	CLEANING A SURFACE
APPARATUS AND METHOD	Arnold, Hans-Peter	(73) Vorwerk & Co. Interholding GmbH
(73) Tuttoespresso S.r.l.	Liß, Raphael	(72) Isenberg, Gerhard
(72) DOGLIONI MAJER, Luca	Brede, Maike	Ortmann, Roman
(31) PCT/EP2014/069017	(31) 102016124684	(31) 102017126414
(32) 05.09.2014	(32) 16.12.2016	(32) 10.11.2017

(33) Germany	(33) United States of America	(87) US2015033125
(51) A47L 15/42	(51) A61B 1/04	07.01.2016
A47L 15/48	A61B 1/00	(22) 29.05.2015
(11) EP3718461	A61B 1/06	(54) ACNE IMAGING APPARATUS
(21) EP20167690.5	G06T 7/521	(73) Canfield Scientific, Incorporated
(47) 21.09.2022	H04N 5/353	(72) PATWARDHAN, Sachin
(22) 02.04.2020	H04N 5/355	(31) 201514686824
(54) DISHWASHER, IN PARTICULAR A	G01B 11/25	201462018866 P
DOMESTIC DISHWASHING MACHINE	G02B 23/24	(32) 15.04.2015
(73) Miele & Cie. KG	H04N 5/378	30.06.2014
(72) Wolf, Cornelius	H04N 9/04	(33) United States of America
Chluba, Nils	H04N 13/271	United States of America
Stanke, Benjamin	H04N 13/296	(51) A61B 5/00
Bertram, Andre	(11) EP3362989	A61B 5/024
Dahms, Tobias	(21) EP16855931.8	(11) EP3716841
Schröder, Nils	(47) 21.09.2022	(21) EP18826133.3
Steinmeier, Ralph	(87) US2016052975	(47) 21.09.2022
Kornfeld, André	20.04.2017	(87) US2018061760
(31) 102020104060	(22) 22.09.2016	06.06.2019
102019108965	(54) SINGLE IMAGE SENSOR FOR	(22) 19.11.2018
(32) 17.02.2020	CAPTURING STRUCTURED-LIGHT	(54) CARDIOVASCULAR MONITORING
05.04.2019	IMAGES AND REGULAR IMAGES AND	USING MULTIPLE SENSORS
(33) Germany	ITS METHOD OF OPERATION	(73) Google LLC
Germany	(73) CapsoVision, Inc.	(72) PATEL, Yojan
(51) A47L 15/46	(72) WANG, Kang-Huai	CHO, SeongHwan
A47L 9/28	XU, Yi	PHILLIPS, Justin
A01B 79/00	WILSON, Gordon	(31) 201715825234
A47L 9/04	WU, Chenyu	(32) 29.11.2017
A47L 11/10	(31) 201514884788	(33) United States of America
G05D 1/02	(32) 16.10.2015	(51) A61B 5/00
H04L 12/28	(33) United States of America	A61B 5/026
A01D 34/00	(51) A61B 1/32	(11) EP3232908
(11) EP3415070	A61B 17/3209	(21) EP15813518.6
(21) EP18172596.1	A61B 17/42	(47) 21.09.2022
(47) 21.09.2022	A61B 17/34	(87) GB2015053973
(22) 16.05.2018	A61B 34/30	23.06.2016
(54) SYSTEM COMPRISING AT LEAST TWO	A61B 1/01	(22) 14.12.2015
GROUND PROCESSING DEVICES	A61B 90/50	(54) METHOD AND APPARATUS FOR
(73) Vorwerk & Co. Interholding GmbH	A61B 1/00	MEASURING AND DISPLAYING A
(72) Hackert, Georg	A61B 90/00	HAEMODYNAMIC PARAMETER
Helmich, Martin	(11) EP3672472	(73) Oxford University Innovation Limited
Hillen, Lorenz	(21) EP18847676.6	(72) TARASSENKO, Lionel
Holz, Christian	(47) 21.09.2022	DALY, Jonathan
Isenberg, Gerhard	(87) IL2018050934	(31) 201422369
Koetz, Hendrik	28.02.2019	(32) 16.12.2014
Mosebach, Andrej	(22) 23.08.2018	(33) United Kingdom
Ortmann, Roman	(54) TOOLS FOR VAGINAL ACCESS	(51) A61B 5/00
Dulinski, Robin	(73) Memic Innovative Surgery Ltd.	G06K 19/06
(31) 102017113288	(72) COHEN, Dvir	G16H 40/63
(32) 16.06.2017	LEVINSON, Yaron	G16H 40/67
(33) Germany	MAIMON, Eyal	G16H 20/17
(51) A61B 1/005	ROTEM, Idan	(11) EP2941180
A61M 25/01	(31) 201762558460 P	(21) EP13814872.1
(11) EP3490426	201762558469 P	(47) 21.09.2022
(21) EP17746294.2	201762549078 P	(87) EP2013076568
(47) 21.09.2022	201762549097 P	26.06.2014
(87) US2017042983	(32) 14.09.2017	(22) 13.12.2013
01.02.2018	14.09.2017	(54) MEDICAL DEVICE WITH OPTICAL
(22) 20.07.2017	23.08.2017	TRANSFER OF DATA AND OPTICAL
(54) STEERABLE CATHETER WITH WIRE-	23.08.2017	READING DEVICE FOR RECEIVING
TENSIONING MECHANISM	(33) United States of America	SUCH DATA
(73) Cook Medical Technologies LLC	United States of America	(73) Sanofi-Aventis Deutschland GmbH
(72) SIMMONS, Victor	United States of America	(72) BERGER, Lars
KENNEDY, Kenneth, C.	United States of America	DITTRICH, Marcus-Meinolf
JUNGLES, Luke, T.	(51) A61B 5/00	PETKOV, Anton
WILLIAMS, Michael, Lee	(11) EP3160327	(31) 12197883
(31) 201662367910 P	(21) EP15729003.2	(32) 18.12.2012
(32) 28.07.2016	(47) 21.09.2022	(33) European Patent Office (EPO)

- (51) A61B 5/00  
G16H 50/00  
A61B 5/316  
A61B 5/364  
(11) EP3669767  
(21) EP19217872.1  
(47) 21.09.2022  
(22) 19.12.2019  
(54) VISUALIZATION OF DIFFERENT  
CARDIAC RHYTHMS USING  
DIFFERENT TIMING-PATTERN  
DISPLAYS  
(73) Biosense Webster (Israel) Ltd.  
(72) GOVARI, Assaf  
(31) 201816227367  
(32) 20.12.2018  
(33) United States of America
- 
- (51) A61B 5/01  
A61B 5/16  
A61B 5/18  
B60N 2/00  
B60N 5/00  
A61B 5/00  
(11) EP3672829  
(21) EP19794956.3  
(47) 21.09.2022  
(87) EP2019078890  
22.05.2020  
(22) 23.10.2019  
(54) METHOD FOR MONITORING A  
DRIVER OF A VEHICLE BY MEANS OF  
A MEASURING SYSTEM  
(73) B-Horizon GmbH  
(72) KABANY, Mohammad  
(31) 102018128550  
(32) 14.11.2018  
(33) Germany
- 
- (51) A61B 5/02  
A61B 5/021  
G16H 50/50  
(11) EP3820357  
(21) EP19703944.9  
(47) 21.09.2022  
(87) EP2019050704  
12.03.2020  
(22) 11.01.2019  
(54) PATIENT-SPECIFIC MODELING OF  
HEMODYNAMIC PARAMETERS IN  
CORONARY ARTERIES  
(73) HEMOLENS DIAGNOSTICS  
SPÓLKA Z OGRANICZONA  
ODPOWIEDZIALNOSCIA  
(72) KOSIOR, Andrzej  
MIROTA, Kryspin  
TARNAWSKI, Wojciech
- 
- (51) A61B 5/053  
A61B 5/08  
A61B 5/00  
(11) EP2814389  
(21) EP13716834.0  
(47) 21.09.2022  
(87) IB2013051014  
22.08.2013  
(22) 07.02.2013  
(54) BIOIMPEDANCE SPECTROGRAPHY  
SYSTEM AND METHOD  
(73) Koninklijke Philips N.V.
- (72) CUBA GYLLENSTEN, Illapha Gustav  
Lars  
BONOMI, Alberto Giovanni  
RIISTAMA, Jarno Mikael  
CAFFAREL, Jennifer  
REITER, Harald  
(31) 201261598936 P  
(32) 15.02.2012  
(33) United States of America
- 
- (51) A61B 5/055  
(11) EP2925223  
(21) EP13810984.8  
(47) 21.09.2022  
(87) GB2013053130  
05.06.2014  
(22) 27.11.2013  
(54) IMPROVED METHODS OF ASSESSING  
METABOLIC FUNCTION  
(73) Aurum Biosciences Limited  
(72) DEUCHAR, Graeme  
SANTOSH, Celestine  
(31) 201221305  
(32) 27.11.2012  
(33) United Kingdom
- 
- (51) A61B 5/06  
A61B 8/08  
A61B 34/20  
(11) EP2931123  
(21) EP13821171.9  
(47) 21.09.2022  
(87) IB2013060262  
26.06.2014  
(22) 20.11.2013  
(54) ULTRASOUND TRACKING IMAGING  
DEVICE WITH LOCAL VIEW AND  
STATIONARY OVERALL VIEW  
(73) Koninklijke Philips N.V.  
(72) WAKSMAN, Peter  
(31) 201261737980 P  
(32) 17.12.2012  
(33) United States of America
- 
- (51) A61B 5/06  
A61B 34/20  
(11) EP3569145  
(21) EP19174449.9  
(47) 21.09.2022  
(22) 14.05.2019  
(54) A CALIBRATION JIG FOR A CATHETER  
COMPRISING A POSITION SENSOR  
(73) Biosense Webster (Israel) Ltd.  
(72) RACHELI, Noam  
BUSTAN, Itamar  
(31) 201815980625  
(32) 15.05.2018  
(33) United States of America
- 
- (51) A61B 5/12  
A61B 5/24  
A61N 1/05  
A61N 1/36  
H04R 25/00  
(11) EP2827947  
(21) EP13716907.4  
(47) 21.09.2022  
(87) US2013033605  
26.09.2013  
(22) 22.03.2013  
(54) ELECTRO-ACOUSTIC STIMULATION  
SYSTEMS THAT PERFORM  
PREDETERMINED ACTIONS IN  
ACCORDANCE WITH EVOKED  
RESPONSES  
(73) Advanced Bionics AG  
(72) LITVAK, Leonid M.  
AGRAWAL, Smita S.  
EMADI, Gulamali  
SAOJI, Aniket  
FINLEY, Charles C.  
KARUNASIRI, R. Tissa  
KOKA, Kanthaiiah  
(31) 201261614129 P  
(32) 22.03.2012  
(33) United States of America
- 
- (51) A61B 5/1486  
G01N 27/327  
C25D 5/00  
C25D 5/18  
(11) EP2928372  
(21) EP13815240.0  
(47) 21.09.2022  
(87) US2013073266  
12.06.2014  
(22) 05.12.2013  
(54) MICROARRAY ELECTRODES USEFUL  
WITH ANALYTE SENSORS AND  
METHODS FOR MAKING THEM  
(73) Medtronic MiniMed, Inc.  
(72) PESANTEZ, Daniel E.  
LI, Xiaolong  
LIANG, Bradley Chi  
(31) 201213707400  
(32) 06.12.2012  
(33) United States of America
- 
- (51) A61B 5/274  
A61B 5/28  
A61B 5/257  
H01R 11/22  
(11) EP3426141  
(21) EP17714323.7  
(47) 21.09.2022  
(87) US2017021632  
14.09.2017  
(22) 09.03.2017  
(54) ELECTRODE AND CABLE  
CONNECTIONS IN  
ELECTROCARDIOGRAPHY SYSTEMS  
(73) Heart Test Laboratories, Inc.  
(72) HILZ, Mark  
KLOTZ, Paul  
TIEGS, Mark  
(31) 201662305958 P  
(32) 09.03.2016  
(33) United States of America
- 
- (51) A61B 5/369  
A61B 5/00  
(11) EP3305189  
(21) EP17194233.7  
(47) 21.09.2022  
(22) 29.09.2017  
(54) SYSTEM AND METHOD FOR  
TARGETED MEMORY ENHANCEMENT  
DURING SLEEP  
(73) Teledyne Scientific & Imaging, LLC  
(72) SIMONS, Stephen  
AGUILAR-SIMON, Mario  
CONNOLLY, Patrick  
ESTRADA, Rolando

<p>SHIMIZU, Renee WHATLEY, Mary (31) 201662403318 P (32) 03.10.2016 (33) United States of America</p> <hr/> <p>(51) A61B 6/00 G01V 5/00 (11) EP3737290 (21) EP19738324.3 (47) 21.09.2022 (87) US2019013369 18.07.2019 (22) 11.01.2019 (54) COMPACT BODY SCANNER (73) TEK84 INC (72) SMITH, Steven Winn (31) 201862709213 P (32) 11.01.2018 (33) United States of America</p> <hr/> <p>(51) A61B 6/03 A61B 6/00 (11) EP3556294 (21) EP18168505.8 (47) 21.09.2022 (22) 20.04.2018 (54) METHOD FOR DETERMINING A CHARACTERISTIC BLOOD VALUE, COMPUTED TOMOGRAPHY DEVICE, COMPUTER PROGRAM AND ELECTRONICALLY READABLE STORAGE MEDIUM (73) Siemens Healthcare GmbH (72) YAN, Jing FLOHR, Thomas SCHMIDT, Bernhard</p> <hr/> <p>(51) A61B 6/14 A61B 6/03 G01T 1/20 H04N 5/321 H04N 5/335 H04N 5/32 H04N 5/378 H04N 5/374 A61B 6/00 G01T 1/29 H04N 5/225 (11) EP3042611 (21) EP16156761.5 (47) 21.09.2022 (22) 22.04.2009 (54) X-RAY IMAGING SYSTEM FOR MEDICAL USE (73) HAMAMATSU PHOTONICS K.K. (72) MORI, Harumichi KYUSHIMA, Ryuji FUJITA, Kazuki (31) 2008114142 (32) 24.04.2008 (33) Japan</p> <hr/> <p>(51) A61B 7/02 A61B 7/04 A61L 2/28 (11) EP3185777 (21) EP15847721.6 (47) 21.09.2022 (87) US2015052882 07.04.2016 (22) 29.09.2015</p>	<p>(54) SYSTEM AND RELATED METHOD FOR MONITORING CLEANING AND SANITIZATION EFFORTS OF CARE GIVERS USING STETHOSCOPES (73) Clean Scope LLC (72) SCHONFELD, Alvin J. SCHONFELD, Ryan A (31) 201462056728 P (32) 29.09.2014 (33) United States of America</p> <hr/> <p>(51) A61B 8/00 (11) EP3865071 (21) EP19871350.5 (47) 21.09.2022 (87) JP2019036717 16.04.2020 (22) 19.09.2019 (54) ULTRASONIC PROBE (73) FUJIFILM Corporation (72) NOGUCHI, Shinsuke INOUE, Tomoki (31) 2018192673 (32) 11.10.2018 (33) Japan</p> <hr/> <p>(51) A61B 17/00 A61B 17/22 A61F 2/00 A61F 2/01 A61B 17/221 (11) EP3573536 (21) EP18744505.1 (47) 21.09.2022 (87) US2018015406 02.08.2018 (22) 26.01.2018 (54) CLOT RETRIEVAL SYSTEM (73) Legacy Ventures LLC (72) ULM, Arthur, John, III (31) 201715710648 201715629703 201715611762 201715610209 201715449901 201715417505 (32) 20.09.2017 21.06.2017 01.06.2017 31.05.2017 03.03.2017 27.01.2017 (33) United States of America United States of America United States of America United States of America United States of America United States of America</p> <hr/> <p>(51) A61B 17/00 A61B 17/29 (11) EP3178408 (21) EP16203288.2 (47) 21.09.2022 (22) 09.12.2016 (54) SYSTEMS AND DEVICES FOR COUPLING END EFFECTORS TO SURGICAL DEVICES AND LOADING DEVICES (73) Ethicon LLC (72) HESS, Christopher J.</p>	<p>SHELTON, IV, Frederick E. WITHERS, Douglas E. GATES, Craig T. SAVAGE, Jeffrey L. HENSEL, Adam D. ZECKEL, Monica L. (31) 201514966330 (32) 11.12.2015 (33) United States of America</p> <hr/> <p>(51) A61B 17/062 A61B 90/90 A61B 17/00 A61B 17/29 A61B 34/30 A61B 17/04 A61B 17/122 A61B 17/128 A61B 90/00 A61B 17/06 (11) EP3476305 (21) EP18203314.2 (47) 21.09.2022 (22) 30.10.2018 (54) ADAPTIVE CONTROL PROGRAMS FOR A SURGICAL SYSTEM COMPRISING MORE THAN ONE TYPE OF CARTRIDGE (73) Ethicon LLC (72) SHELTON, IV, Frederick E. HARRIS, Jason L. (31) 201816112119 201862665192 P 201862665177 P 201862665139 P 201862665134 P 201862665129 P 201862665128 P 201862659900 P 201862649333 P 201862649327 P 201862649323 P 201862649320 P 201862649315 P 201862649313 P 201862649310 P 201862649309 P 201862649307 P 201862649302 P 201862649300 P 201862649296 P 201862649294 P 201862649291 P 201815908143 201815908058 201815908057 201815908040 201815908021 201815908012 201762611341 P 201762611340 P 201762611339 P 201762578855 P 201762578844 P 201762578835 P 201762578817 P 201762578804 P 201762578793 P (32) 24.08.2018</p>
--	---	--

01.05.2018	United States of America	WILLARD, Martin, R.
01.05.2018	United States of America	(31) 201562140218 P
01.05.2018	United States of America	(32) 30.03.2015
01.05.2018	United States of America	(33) United States of America
01.05.2018	United States of America	(51) A61B 17/128
01.05.2018	(51) A61B 17/072	(11) EP3820381
19.04.2018	A61B 17/00	(21) EP19745901.9
28.03.2018	(11) EP2644121	(47) 21.09.2022
28.03.2018	(21) EP13161473.7	(87) US2019041141
28.03.2018	(47) 21.09.2022	16.01.2020
28.03.2018	(22) 27.03.2013	(22) 10.07.2019
28.03.2018	(54) TISSUE THICKNESS COMPENSATOR	(54) SURGICAL INSTRUMENT WITH
28.03.2018	COMPRISING TISSUE INGROWTH	FASTENER PRELOAD LOCK-OUT
28.03.2018	FEATURES	(73) Davol Inc.
28.03.2018	(73) Ethicon Endo-Surgery, Inc.	(72) CAULDWELL, Nathan, Stewart
28.03.2018	(72) SHELTON, Frederick E., IV	ZINITI, Donald, E.
28.03.2018	VYAKARNAM, Murty	AFFONCE, Derek
28.03.2018	(31) 201213433126	LEWIS, Justin
28.03.2018	(32) 28.03.2012	FELIX, Augustus
28.03.2018	(33) United States of America	D'AMBROSIO, Talia
28.03.2018	(51) A61B 17/072	(31) 201962798178 P
28.02.2018	A61B 17/29	201862697354 P
28.02.2018	A61B 17/00	(32) 29.01.2019
28.02.2018	A61B 90/00	12.07.2018
28.02.2018	A61B 17/068	(33) United States of America
28.02.2018	A61B 17/10	United States of America
28.02.2018	(11) EP3106101	(51) A61B 17/15
28.12.2017	(21) EP16174993.2	A61B 34/10
28.12.2017	(47) 21.09.2022	A61B 17/56
28.12.2017	(22) 17.06.2016	(11) EP3860472
30.10.2017	(54) SURGICAL STAPLING INSTRUMENTS	(21) EP19795329.2
30.10.2017	WITH LOCKOUT ARRANGEMENTS	(47) 21.09.2022
30.10.2017	FOR PREVENTING FIRING SYSTEM	(87) IB2019058330
30.10.2017	ACTUATION WHEN A CARTRIDGE IS	09.04.2020
30.10.2017	SPENT OR MISSING	(22) 01.10.2019
30.10.2017	(73) Ethicon LLC	(54) ALIGNMENT DEVICE FOR A
(33) United States of America	(72) WISE, Austin E.	PERIACETABULAR OSTEOATOMY
United States of America	HENSEL, Adam D.	(73) Medacta International SA
United States of America	WEANER, Lauren S.	(72) BERBERICH, Sascha
United States of America	GOLDENBOGEN, Michael W.	FERRARI, Matteo
United States of America	BRINKERHOFF, Josiah J.	PONZONI, Matteo
United States of America	JONES, Daniel V.	SICCARDI, Francesco
United States of America	(31) 201514742933	(31) 201800009083
United States of America	(32) 18.06.2015	(32) 02.10.2018
United States of America	(33) United States of America	(33) Italy
United States of America	(51) A61B 17/12	(51) A61B 17/16
United States of America	A61B 17/00	(11) EP3752077
United States of America	(11) EP3277199	(21) EP19712018.1
United States of America	(21) EP16717009.1	(47) 21.09.2022
United States of America	(47) 21.09.2022	(87) IB2019051160
United States of America	(87) US2016025091	22.08.2019
United States of America	06.10.2016	(22) 13.02.2019
United States of America	(22) 30.03.2016	(54) GRAFT FILTER WITH LOCKING
United States of America	(54) OCCLUSION DEVICE	GRAFT FILTER ELEMENT AND GRAFT
United States of America	(73) Boston Scientific Scimed, Inc.	EXTRACTOR
United States of America	(72) HANSON, Cass, A.	(73) DePuy Synthes Products, Inc.
United States of America	CONNOLLY, Joseph, M.	(72) KIERSH, Jeff
United States of America	ROUTH, Katherine	LEHMICKE, Michael
United States of America	KOKATE, Jaydeep, Y.	SHANE, Christopher
United States of America	PEDERSON, Gary, J.	HAMEL, Ross
United States of America	SUTERMEISTER, Derek, C.	D'ANDREA, Dominic
United States of America	TESSMER, Michele, C.	(31) 201815896450
United States of America	LINDQUIST, Jeffrey, S.	(32) 14.02.2018
United States of America	SQUIRE, Robert, N.	(33) United States of America
United States of America	KANGAS, Steven, L.	(51) A61B 17/17
United States of America	RAAB, David	A61B 17/80
United States of America	MUNSINGER, Joel	(11) EP3361965
United States of America	LARSON, Derek, K.	(21) EP16784761.5

(47) 21.09.2022	MASUBUCHI, Yuki	(11) EP3589224
(87) US2016057193 20.04.2017	KITAOKA, Takashi	(21) EP18711443.4
(22) 14.10.2016	KANAMOTO, Kazuaki	(47) 21.09.2022
(54) PATELLA FRACTURE REDUCTION PLATES	(31) 2016166617	(87) US2018019213
(73) Biomet Manufacturing, LLC	(32) 29.08.2016	07.09.2018
Biomet Trauma, LLC	(33) Japan	(22) 22.02.2018
(72) RICKER, Lauren	(51) A61B 17/34	(54) PULSE GENERATOR WITH
GIANNOUDIS, Peter	(11) EP3563783	INDEPENDENT PANEL TRIGGERING
SANDERS, Roy	(21) EP19171769.3	(73) Pulse Biosciences, Inc.
HORWITZ, Daniel	(47) 21.09.2022	(72) ATHOS, Brian G.
DZIADOSZ, Dan	(22) 30.04.2019	XIAO, Shu
(31) 201562241863 P	(54) RETRACTOR FOR ENDOSCOPIC	DANITZ, David J.
(32) 15.10.2015	SURGERY	KREIS, Mark P.
(33) United States of America	(73) AFS Medical GmbH	UECKER, Darrin R.
(51) A61B 17/22	(72) HONG, Du Pyo	(31) 201715444738
A61B 17/32	(31) 20180051564	(32) 28.02.2017
A61M 25/00	(32) 04.05.2018	(33) United States of America
A61B 17/34	(33) Korea (Republic)	(51) A61B 18/14
A61M 29/00	(51) A61B 17/80	A61B 18/18
A61F 2/01	A61B 17/88	A61B 18/00
A61B 17/221	A61B 17/56	(11) EP3422978
A61B 17/3207	A61B 17/58	(21) EP17711770.2
A61M 25/06	A61B 17/86	(47) 21.09.2022
A61M 25/01	A61B 90/00	(87) IB2017051215
A61M 25/10	(11) EP3399928	08.09.2017
(11) EP3753599	(21) EP17736196.1	(22) 02.03.2017
(21) EP20189694.1	(47) 21.09.2022	(54) DELIVERY DEVICE WITH COAXIAL
(47) 21.09.2022	(87) US2017012028	CABLE AND APPARATUS
(22) 19.12.2014	13.07.2017	COMPRISING SAID DEVICE
(54) SYSTEMS FOR TREATMENT OF	(22) 03.01.2017	(73) EL.EN. S.p.A.
ACUTE ISCHEMIC STROKE	(54) ORTHOPEDIC BONE PLATE SYSTEM	(72) MASOTTI, Leonardo
(73) Route 92 Medical, Inc.	(73) Osteocertus, LLC	GALLI, Mauro
(72) Garrison, Michi E	(72) SILVA, Cesar	STOCCHI, Riccardo
Chou, Tony M	SILVA, David, Augusto	CORSINI, Paolo
(31) 201462083128 P	CASTAÑEDA, Javier, E.	BINI, Marco
201462075169 P	(31) 201615335162	IGNESTI, Amleto
201462075101 P	201614987425	RIMINESI, Cristiano
201462046112 P	(32) 26.10.2016	BENI, Samuele
201462029799 P	04.01.2016	(31) UA20161370
201361919945 P	(33) United States of America	(32) 04.03.2016
(32) 21.11.2014	United States of America	(33) Italy
04.11.2014	(51) A61B 18/12	(51) A61B 34/00
04.11.2014	A61B 18/00	A61B 90/10
04.09.2014	A61B 18/14	B25J 13/08
28.07.2014	A61B 90/00	A61B 90/50
23.12.2013	(11) EP3116429	B25J 19/00
(33) United States of America	(21) EP14885380.7	A61B 1/00
United States of America	(47) 21.09.2022	(11) EP3995097
United States of America	(87) IB2014064600	(21) EP21205321.9
United States of America	17.09.2015	(47) 21.09.2022
United States of America	(22) 17.09.2014	(22) 12.11.2015
United States of America	(54) ELECTROSURGICAL DEVICE HAVING	(54) SMART SUPPORT ARM FOR HEAD
United States of America	A DISTAL APERTURE	SURGERY WITH TOUCH SENSITIVE
United States of America	(73) Boston Scientific Medical Device Limited	CONTROL
(51) A61B 17/22	(72) DAVIES, Gareth	(73) Brainlab Robotics GmbH
A61F 2/01	URBANSKI, John Paul	(72) Krinninger, Maximilian
A61B 17/3207	HARFIELD, Ellen	Nowatschin, Stephan
A61B 17/221	MIRZA, Mahmood	(31) 102014016823
(11) EP3505091	UHM, Yun	102014016824
(21) EP17846287.5	LEUNG, Linus	(32) 14.11.2014
(47) 21.09.2022	(31) PCT/IB2014/059641	14.11.2014
(87) JP2017030309	(32) 11.03.2014	(33) Germany
08.03.2018	(33) World Intellectual Property Office (WIPO)	Germany
(22) 24.08.2017	(51) A61B 18/12	(51) A61B 34/30
(54) MEDICAL DEVICE	A61N 1/32	A61B 17/62
(73) Terumo Kabushiki Kaisha	H03K 3/53	A61B 90/50
(72) IMAI, Masaomi	H03K 3/64	(11) EP3416583
CHIDA, Takahiro	H03K 3/57	(21) EP17753933.5

(47) 21.09.2022	(33) United States of America	(54) DEVICE AND METHOD FOR LUBRICATING DYNAMIC INSTRUMENT HOLDERS
(87) US2017018393 24.08.2017	(51) A61C 7/10	(73) Micheau, Christophe
(22) 17.02.2017	(11) EP3818958	(72) Micheau, Christophe
(54) ROBOTIC SYSTEMS FOR MINIMALLY INVASIVE ORTHOPEDIC SURGERIES	(21) EP20202210.9	(31) 1852105
(73) Abedinnasab, Mohammad H.	(47) 21.09.2022	(32) 12.03.2018
(72) Abedinnasab, Mohammad H.	(22) 16.10.2020	(33) France
(31) 201662296212 P	(54) EXCHANGEABLE OR REPLACEABLE MAXILLARY SKELETAL EXPANDER	
(32) 17.02.2016	(73) Biomaterials Korea Inc.	(51) A61D 7/00
(33) United States of America	(72) MOON, Won	A61D 1/02
(51) A61B 90/00	(31) 20190143592	A61M 5/00
A61B 8/12	(32) 11.11.2019	(11) EP3030193
A61B 5/00	(33) Korea (Republic)	(21) EP14833961.7
A61B 8/00	(51) A61C 8/00	(47) 21.09.2022
A61B 17/00	(11) EP2811934	(87) NZ2014000162
(11) EP3241519	(21) EP13704397.2	12.02.2015
(21) EP17169233.8	(47) 21.09.2022	(22) 07.08.2014
(47) 21.09.2022	(87) EP2013052333	(54) DOSING APPARATUS
(22) 03.05.2017	15.08.2013	(73) Imaginus Limited
(54) DEVICES AND SYSTEMS FOR LOCATING PRESSURE SENSITIVE CRITICAL STRUCTURES	(22) 06.02.2013	(72) BUCKLEY, Paul Fleming
(73) Covidien LP	(54) IMPLANT, IN PARTICULAR DENTAL IMPLANT	HOLMES, Robert William Lachlan
(72) Rooks, Kathy E.	(73) Nature Implants GmbH	LYND, Malcolm Norman
(31) 201615144945	(72) ARNOLD, Robert	(31) 61405213
(32) 03.05.2016	EISENKOLB, Reiner	(32) 07.08.2013
(33) United States of America	ARNOLD, Thomas	(33) New Zealand
(51) A61C 5/77	ARNOLD, Martin	
(11) EP3656342	(31) 102012002112	(51) A61F 2/00
(21) EP18208342.8	(32) 06.02.2012	(11) EP3000433
(47) 21.09.2022	(33) Germany	(21) EP14306522.5
(22) 26.11.2018	(51) A61C 8/02	(47) 21.09.2022
(54) DENTAL SPLINT	A61C 8/00	(22) 29.09.2014
(73) Université de Genève	(11) EP3838217	(54) Device for introducing a prosthesis for hernia treatment into an incision and flexible textile based prosthesis
(72) SAILER, Irena	(21) EP20214069.5	(73) Sofradim Production
BURKHARDT, Felix	(47) 21.09.2022	(72) Bailly, Pierre
LEE, Hyeonjong	(22) 15.12.2020	Desorme, Mylène
(51) A61C 7/00	(54) DENTAL IMPLANT WITH POROUS INGROWTH MATERIAL	Doucet, Geneviève
A61C 9/00	(73) SMed-TA/TD, LLC	
G06T 7/00	(72) Stalcup, Gregory C.	(51) A61F 2/00
(11) EP3572029	Dietzel, Steve	D04B 21/00
(21) EP18305627.4	(31) 201962950396 P	D04B 1/00
(47) 21.09.2022	(32) 19.12.2019	(11) EP2967794
(22) 22.05.2018	(33) United States of America	(21) EP14715775.4
(54) DEVICE FOR ANALYSING A DENTAL SITUATION	(51) A61C 17/22	(47) 21.09.2022
(73) Dental Monitoring	(11) EP3854346	(87) US2014024804
(72) SALAH, Philippe	(21) EP20153084.7	09.10.2014
PELLISSARD, Thomas	(47) 21.09.2022	(22) 12.03.2014
GHYSELINCK, Guillaume	(22) 22.01.2020	(54) IMPLANT FOR TREATING PELVIC FLOOR DISORDERS
DEBRAUX, Laurent	(54) METHOD FOR MAKING A HANDLE FOR AN ELECTRICALLY OPERATED PERSONAL CARE IMPLEMENT	(73) Boston Scientific Scimed, Inc.
(51) A61C 7/08	(73) The Gillette Company LLC	Pereira, Peter J.
A63B 71/08	(72) JUNGNICHEL, Uwe	Goddard, James M.
A61F 5/56	KNORR, Marcel	Chu, Michael S.H.
(11) EP3613380	REUSCHENBACH, Andreas	(72) PEREIRA, Peter J.
(21) EP18197261.3	MORGOTT, Markus	GODDARD, James M.
(47) 21.09.2022	BRUST, Maritn	CHU, Michael S.H.
(22) 27.09.2018	(51) A61C 19/00	(31) 201414204985
(54) DENTAL GUARD AND TRAY AND METHOD OF FORMING SUCH	A61C 1/18	201361891186 P
(73) Dentek Oral Care, Inc.	F16N 3/06	201361779523 P
(72) KNUTZEN, Josef V.	(11) EP3764944	(32) 11.03.2014
MARTONE, Joseph R.	(21) EP19716466.8	15.10.2013
LESNIAK, Frank M.	(47) 21.09.2022	13.03.2013
(31) 201816106786	(87) FR2019050527	(33) United States of America
(32) 21.08.2018	19.09.2019	United States of America
	(22) 12.03.2019	United States of America
		(51) A61F 2/01
		(11) EP3426188
		(21) EP17710240.7
		(47) 21.09.2022

(87) EP2017055721 14.09.2017	(72) ALKHATIB, Yousef, F. BRAIDO, Peter, Nicholas	A61B 5/00 (11) EP3654893
(22) 10.03.2017	(31) 201113216124	(21) EP18835138.1
(54) INTRA-AORTIC DEVICE	201161438451 P	(47) 21.09.2022
(73) Keystone Heart Ltd.	(32) 23.08.2011	(87) AU2018050751
(72) ASHKENAZI, Amit	01.02.2011	24.01.2019
(31) 201662306454 P	(33) United States of America	(22) 17.07.2018
(32) 10.03.2016	United States of America	(54) A SYSTEM FOR AIDING EARLY
(33) United States of America	(51) A61F 2/24	DETECTION AND MANAGEMENT OF
(51) A61F 2/07	(11) EP3096713	BREATHING RELATED DISORDERS
(11) EP3443935	(21) EP15740450.0	(73) Health Apps Pty Ltd
(21) EP18275096.8	(47) 21.09.2022	(72) GIANNOUKOS, John
(47) 21.09.2022	(87) US2015012646	KORFIATIS, Arthur
(22) 16.07.2018	30.07.2015	(31) 2017902791
(54) FLEXIBLE STENT WITH NON-BONDED	(22) 23.01.2015	(32) 17.07.2017
STENT COVER MATERIAL REGIONS	(54) ENGINEERED POLYMERIC VALVES,	(33) Australia
(73) Cook Medical Technologies LLC	TUBULAR STRUCTURES AND	(51) A61F 7/00
(72) Spindler, Ralf	SHEETS	A61F 7/08
Mayle, Brent A.	(73) President and Fellows of Harvard	A61F 7/10
(31) 201762533928 P	College	A61F 7/02
(32) 18.07.2017	(72) PARKER, Kevin Kit	A61F 5/00
(33) United States of America	CAPULLI, Andrew K.	(11) EP3768203
(51) A61F 2/08	GOSS, Josue A.	(21) EP19772031.1
(11) EP3244830	(31) 201461930746 P	(47) 21.09.2022
(21) EP16703440.4	(32) 23.01.2014	(87) US2019014857
(47) 21.09.2022	(33) United States of America	26.09.2019
(87) EP2016025001	(51) A61F 2/24	(22) 24.01.2019
21.07.2016	(11) EP3481335	(54) SYSTEM FOR COOLING OR HEATING
(22) 12.01.2016	(21) EP17742562.6	A HUMAN BODY PART
(54) DEVICE FOR TENDON AND LIGAMENT	(47) 21.09.2022	(73) Tectraum, Inc.
RECONSTRUCTION	(87) IL2017050754	(72) MAKAROV, Sergey
(73) Universität Zürich	11.01.2018	ERTEL, Jason, R.
(72) SNEDEKER, Jess G.	(22) 06.07.2017	BOLL, David, J.
LI, Xiang	(54) ADJUSTABLE ANNULOPLASTY	(31) 201815934201
BACHMANN, Elias	DEVICE WITH ALTERNATING PEAKS	(32) 23.03.2018
FUCENTESE, Sandra Franco	AND TROUGHS	(33) United States of America
(31) 15150864	(73) Edwards Lifesciences Innovation (Israel)	(51) A61F 9/007
(32) 12.01.2015	Ltd.	A61F 9/008
(33) European Patent Office (EPO)	(72) KUTZIK, Meir	A61B 17/32
(51) A61F 2/16	BRAUON, Haim	A61M 3/02
A61M 5/315	LEVIN, Michael	A61M 1/00
(11) EP3860510	FOGEL, Alon	(11) EP3694452
(21) EP19832452.7	HARITON, Ilia	(21) EP18866058.3
(47) 21.09.2022	REICH, Tal	(47) 21.09.2022
(87) IB2019060792	(31) 201611910	(87) US2018055193
25.06.2020	201715475871	18.04.2019
(22) 13.12.2019	(32) 08.07.2016	(22) 10.10.2018
(54) IOL INJECTOR HAVING A LEVER-	31.03.2017	(54) DUAL LUMEN SURGICAL HAND-PIECE
DRIVEN PLUNGER MECHANISM	(33) United Kingdom	WITH ULTRASONIC KNIFE
(73) Alcon Inc.	United States of America	(73) Surgical Design Corporation
(72) LIU, Jian	(51) A61F 5/455	(72) BANKO, William
ZACHER, Rudolph F.	A61F 5/44	(31) 201715783806
HOLDERBY, Victoria	(11) EP3470026	(32) 13.10.2017
(31) 201862781736 P	(21) EP17809780.4	(33) United States of America
(32) 19.12.2018	(47) 21.09.2022	(51) A61F 13/00
(33) United States of America	(87) ES2017070402	A61F 13/02
(51) A61F 2/24	14.12.2017	(11) EP3917474
(11) EP2670351	(22) 02.06.2017	(21) EP20707958.3
(21) EP11857681.8	(54) HYGIENIC DEVICE FOR THE	(47) 21.09.2022
(47) 21.09.2022	COLLECTION OF MENSTRUAL FLOW	(87) US2020015188
(87) US2011048967	(73) Ecareyou Innovation, S.L.	06.08.2020
09.08.2012	(72) GARRIGA I RODO, Joan	(22) 27.01.2020
(22) 24.08.2011	(31) 201630767 U	(54) PARTIALLY TRANSPARENT WOUND
(54) LEAFLET SUTURING TO	(32) 10.06.2016	DRESSING
COMMISSURE POINTS FOR	(33) Spain	(73) KCI Licensing, Inc.
PROSTHETIC HEART VALVE	(51) A61F 5/56	(72) EDWARDS, Thomas A.
(73) St. Jude Medical, Cardiology Division,	A61N 1/36	LOCKE, Christopher B.
Inc.	A61B 5/0205	ROBINSON, Timothy M.

LONG, Justin A. (31) 201962799998 P (32) 01.02.2019 (33) United States of America	(87) IL2017051176 03.05.2018 (22) 29.10.2017 (54) EAR THERAPEUTIC DEVICE (73) Yaadi Pituach Ltd. (72) AVNI, Yuval (31) 201662414735 P (32) 30.10.2016 (33) United States of America	(51) A61K 8/64 A61K 8/31 A61K 8/365 A61K 8/60 A61K 8/73 A61Q 1/14 A61Q 19/00 A61Q 19/10 (11) EP3443951 (21) EP17782174.1 (47) 21.09.2022 (87) JP2017010329 19.10.2017 (22) 15.03.2017 (54) SUPERFATTING AGENT AND PERSONAL CARE COMPOSITION (73) Sabo S.p.A. Kaneka Corporation (72) ORI, Callot ENRICO, Costantini NAGANO, Takuto YANAGISAWA, Satohiro (31) 2016079083 (32) 11.04.2016 (33) Japan
(51) A61F 13/49 (11) EP2849700 (21) EP13727437.9 (47) 21.09.2022 (87) US2013040891 21.11.2013 (22) 14.05.2013 (54) ABSORBENT ARTICLES WITH ELASTICS IN MULTIPLE LAYERS (73) The Procter & Gamble Company (72) WADE, Sarah, Marie GLAHN, Tina, Marie LAVON, Gary, Dean JURATOVAC, Diana, Woehnl ISHIHARA, Kaoru NISHIKAWA, Masaharu ZINK, Ronald, Joseph MACURA, Anna, Elizabeth (31) 201261646999 P (32) 15.05.2012 (33) United States of America	(51) A61J 9/00 (11) EP3843686 (21) EP19774152.3 (47) 21.09.2022 (87) FR2019051992 05.03.2020 (22) 29.08.2019 (54) FLUID CONTAINER WITH SILICONE CONTINUITY (73) K Investissements Industriels (72) PIRAUD, Vincent PIRAUD, Allison (31) 1857759 (32) 29.08.2018 (33) France	(51) A61K 8/34 A61K 8/49 A61Q 5/00 A61Q 19/02 A61K 8/14 (11) EP3081207 (21) EP15163940.8 (47) 21.09.2022 (22) 16.04.2015 (54) USE OF A LIPOSOME COMPOSITION (73) Symrise AG (72) Vielhaber, Gabriele Meyer, Imke Lange, Sabine
(51) A61G 5/02 (11) EP3641715 (21) EP18762391.3 (47) 21.09.2022 (87) IB2018055737 07.02.2019 (22) 31.07.2018 (54) WHEELCHAIR HAVING A FLEXIBLE TENSION ELEMENT AS TRACTION DRIVE ELEMENT AND RETROFIT METHOD THEREOF (73) Politecnico di Torino (72) QUAGLIA, Giuseppe BONISOLI, Elvio (31) 201700089007 (32) 02.08.2017 (33) Italy	(51) A61K 8/368 A61K 8/40 A61K 8/362 A61Q 11/00 A61Q 5/02 A61Q 5/12 A61Q 1/02 A61Q 19/00 A61Q 15/00 A61Q 1/04 A61Q 1/10 A61Q 17/04 A61Q 19/10 (11) EP3927308 (21) EP20704022.1 (47) 21.09.2022 (87) EP2020053226 27.08.2020 (22) 10.02.2020 (54) PERSONAL CLEANSING COMPOSITIONS COMPRISING A PRESERVATIVE SYSTEM (73) Unilever IP Holdings B.V. (72) KADAMKODE, Viniitha MITRA, Rupak POINTON, Thomas, Richard STOTT, Ian, Peter (31) 19157769 (32) 18.02.2019 (33) European Patent Office (EPO)	(51) A61K 9/08 A61K 39/395 A61K 47/14 (11) EP3849519 (21) EP19773254.8 (47) 21.09.2022 (87) US2019049904 19.03.2020 (22) 06.09.2019 (54) A COMPOSITION COMPRISING A PROTEIN AND A POLYALKOXY FATTY ACYL SURFACTANT (73) DOW GLOBAL TECHNOLOGIES LLC (72) KATZ, Joshua S. JORDAN, Susan L. (31) 201962850688 P 201862729140 P (32) 21.05.2019 10.09.2018 (33) United States of America United States of America
(51) A61G 7/10 A61G 7/14 (11) EP3220870 (21) EP15861117.8 (47) 21.09.2022 (87) CA2015051197 26.05.2016 (22) 17.11.2015 (54) CONFIGURABLE PATIENT CEILING LIFT (73) Arjohuntleigh Magog Inc. (72) BRULOTTE, Denis-Alexandre FAUCHER, Martin BOSSÉ, Joel (31) 201462080894 P (32) 17.11.2014 (33) United States of America	(51) A61H 21/00 A61H 9/00 A61H 23/02 A61H 23/04 A61M 13/00 A61F 11/00 (11) EP3531996 (21) EP17866076.7 (47) 21.09.2022	(51) A61K 9/08 A61K 47/10 (11) EP3908260 (21) EP21706030.0 (47) 21.09.2022 (87) IB2021050538 05.08.2021 (22) 25.01.2021 (54) PHARMACEUTICAL COMPOSITION FOR REDUCING PROTEIN BOUND UREMIC TOXINS (73) Frimline Private Limited (72) SHYAM, Ankit CHHUNCHHA, Alpesh (31) 202021003641 (32) 27.01.2020 (33) India
(51) A61H 21/00 A61H 9/00 A61H 23/02 A61H 23/04 A61M 13/00 A61F 11/00 (11) EP3531996 (21) EP17866076.7 (47) 21.09.2022	(51) A61K 9/28 A61K 9/20 A61K 31/5517 (11) EP3720424 (21) EP18811304.7	(51) A61K 9/28 A61K 9/20 A61K 31/5517 (11) EP3720424 (21) EP18811304.7

(47) 21.09.2022	(73) Syddansk Universitet	(87) US2018020056
(87) EP2018083772	(72) KLITGAARD, Janne Kudsk,	30.08.2018
13.06.2019	WASSMANN, Claes Søndergaard,	(22) 27.02.2018
(22) 06.12.2018	(31) 17176612	(54) SYSTEMS AND METHODS FOR
(54) PHARMACEUTICAL FORMULATION	(32) 19.06.2017	GENERATING NITRIC OXIDE
(73) F. Hoffmann-La Roche AG	(33) European Patent Office (EPO)	(73) Third Pole, Inc.
(72) BUSSON, Patrick Jean-Marie	(51) A61K 31/436	(72) ZAPOL, David G.
HUMMEL, Georg	A61P 27/16	HALL, Gregory W.
KNOBLOCH, Thomas Peter Wilhelm	A61K 31/155	SCHOLZ, Wolfgang
(31) 17206197	(11) EP3295939	(31) 201862614492 P
(32) 08.12.2017	(21) EP17187312.8	201762574173 P
(33) European Patent Office (EPO)	(47) 21.09.2022	201762553572 P
(51) A61K 9/70	(22) 13.01.2016	201762509394 P
A61K 9/00	(54) THERAPEUTIC AGENT FOR TREATING	201762463956 P
A61K 31/00	SENSORINEURAL HEARING LOSS	201762463943 P
A61Q 17/04	(73) Keio University	(32) 07.01.2018
A61P 17/00	(72) HOSOYA, Makoto	18.10.2017
(11) EP2490679	FUJIOKA, Masato	01.09.2017
(21) EP10774319.7	OKANO, Hideyuki	22.05.2017
(47) 21.09.2022	OGAWA, Kaoru	27.02.2017
(87) US2010002821	MATSUNAGA, Tatsuo	27.02.2017
28.04.2011	(31) 2015007849	(33) United States of America
(22) 22.10.2010	(32) 19.01.2015	United States of America
(54) METHODS OF MAKING AND USING	(33) Japan	United States of America
COMPOSITIONS COMPRISING	(51) A61K 31/573	United States of America
FLAVONOIDS	A61P 9/00	United States of America
(73) Vizuri Health Sciences Consumer	A61P 29/00	United States of America
Healthcare, Inc. t/a VHS Consumer	A61M 25/00	(51) A61K 35/17
Healthcare	A61M 25/10	C07K 14/725
(72) BIRBARA, Philip, J.	A61M 37/00	A61P 35/00
(31) 253857 P	(11) EP3250277	C12N 15/85
(32) 22.10.2009	(21) EP16743927.2	C07K 16/30
(33) United States of America	(47) 21.09.2022	(11) EP3268014
(51) A61K 31/351	(87) US2016014819	(21) EP16721219.0
A61K 31/7004	04.08.2016	(47) 21.09.2022
A61K 33/26	(22) 26.01.2016	(87) IB2016000399
A61P 7/06	(54) METHODS AND SYSTEMS	15.09.2016
(11) EP3209293	FOR INHIBITING VASCULAR	(22) 09.03.2016
(21) EP15787309.2	INFLAMMATION	(54) T-CELL RECEPTORS DIRECTED
(47) 21.09.2022	(73) Mercator Medsystems, Inc.	AGAINST THE PREFERENTIALLY
(87) IB2015058115	(72) SEWARD, Kirk, Patrick	EXPRESSED ANTIGEN OF
28.04.2016	(31) 201514605865	MELANOMA AND USES THEREOF
(22) 21.10.2015	(32) 26.01.2015	(73) Academisch Ziekenhuis Leiden H.O.D.N.
(54) DOSAGE REGIMEN OF FERRIC	(33) United States of America	Leids Universitair Medisch Centrum
MALTOL	(51) A61K 31/737	(72) FALKENBURG, J.h., Frederik
(73) Shield TX (UK) Limited	A61K 36/03	HEEMSKERK, Mirjam, H.m.
(72) MALLARD, Nicholas	A61K 38/39	(31) 201562130884 P
STERRITT, Carl Andrew	(11) EP3714890	(32) 10.03.2015
HOWELL, Julian David	(21) EP19166113.1	(33) United States of America
(31) 201418710	(47) 21.09.2022	(51) A61K 35/54
(32) 21.10.2014	(22) 29.03.2019	A61K 38/43
(33) United Kingdom	(54) COMPOSITION COMPRISING A	A61K 35/57
(51) A61K 31/352	COLLAGEN HYDROLYSATE AND A	A61K 35/741
A61K 38/12	FUCOIDAN	A61P 29/00
A61K 45/06	(73) Acten AG	(11) EP3359170
A61P 31/04	(72) RENZO, Francesco	(21) EP15905957.5
A61L 27/54	(51) A61K 33/00	(47) 21.09.2022
A61L 29/16	A61M 16/00	(87) US2015054742
(11) EP3641753	A61M 16/04	13.04.2017
(21) EP18731456.2	A61M 16/06	(22) 08.10.2015
(47) 21.09.2022	C01B 21/32	(54) METHODS FOR TREATING NUCLEAR
(87) EP2018066234	A61M 16/10	FACTOR KAPPA-LIGHT-CHAIN-
27.12.2018	A61M 16/12	ENHANCER OF ACTIVATED B CELL
(22) 19.06.2018	A61M 16/20	(NF-KB) DYSREGULATION IN A HOST
(54) BACITRACIN AND/OR DAPTOMYCIN	C01B 21/24	IN NEED THEREOF USING EGGSHELL
COMBINED WITH CANNABIDIOL	(11) EP3585726	MEMBRANE COMPOSITIONS
FOR TREATMENT OF BACTERIAL	(21) EP18757270.6	(73) ESM Technologies, LLC
INFECTIONS	(47) 21.09.2022	(72) RUFF, Kevin, J.

- (51) A61K 35/747  
A61F 2/00  
A61L 31/16  
A61K 9/00  
A61M 31/00  
(11) EP3277298  
(21) EP16714856.8  
(47) 21.09.2022  
(87) EP2016057304  
06.10.2016  
(22) 04.04.2016  
(54) IMPLANTABLE INTESTINAL REACTOR  
(73) UNIVERSITE GRENOBLE ALPES  
Centre Hospitalier Universitaire Grenoble  
(72) CINQUIN, Philippe  
SCHNEIDER, Dominique  
MAURIN, Max  
MARTIN, Donald  
EL ICHI RIBAUT, Sarra  
ZEBDA, Abdelkader  
ALCARAZ, Jean-Pierre  
RECHE, Fabian  
TUVIGNON, Patrick  
THELU, Jacques  
LE GOUELLEC, Audrey  
TOUSSAINT, Bertrand  
(31) 1552927  
(32) 03.04.2015  
(33) France
- 
- (51) A61K 38/00  
A61K 39/39  
A61P 35/00  
A61K 39/00  
A61K 47/64  
(11) EP3468621  
(21) EP17730112.4  
(47) 21.09.2022  
(87) EP2017063985  
14.12.2017  
(22) 08.06.2017  
(54) THE CORE DOMAIN OF ANNEXINS  
AND USES THEREOF IN ANTIGEN  
DELIVERY AND VACCINATION  
(73) Deutsches Krebsforschungszentrum  
Stiftung des öffentlichen Rechts  
(72) BUJUPI, Fatmire  
KRAMMER, Peter  
WEYD, Heiko  
(31) 16173925  
(32) 10.06.2016  
(33) European Patent Office (EPO)
- 
- (51) A61K 38/00  
A61P 3/06  
A61P 3/08  
C07K 14/195  
(11) EP3292135  
(21) EP16724321.1  
(47) 21.09.2022  
(87) EP2016060033  
10.11.2016  
(22) 04.05.2016  
(54) USE OF A POLYPEPTIDE FOR  
EFFECTING IMMUNE SIGNALLING  
AND/OR AFFECTING INTESTINAL  
BARRIER FUNCTION AND/OR  
MODULATING METABOLIC STATUS  
(73) Wageningen Universiteit  
Université Catholique de Louvain
- (72) BELZER, Clara  
DE VOS, Willem Meindert  
CANI, Patrice Daniel  
(31) 15166598  
(32) 06.05.2015  
(33) European Patent Office (EPO)
- 
- (51) A61K 38/17  
A61P 3/04  
A61P 3/10  
(11) EP3528831  
(21) EP17790816.7  
(47) 21.09.2022  
(87) GB2017053157  
26.04.2018  
(22) 18.10.2017  
(54) USE OF FKBP-L POLYPEPTIDES  
AND NUCLEIC ACIDS FOR THE  
TREATMENT OF OBESITY  
(73) Royal College of Surgeons in Ireland  
(72) ROBSON, Tracy  
GRIEVE, David  
SHORT, Amy  
KISSENFENNIG, Adrien  
MIGAUD, Marie  
BENNETT, Rachel  
YAKKUNDI, Anita  
MCCARTHY, Helen  
(31) 201617761  
201617726  
(32) 20.10.2016  
19.10.2016  
(33) United Kingdom  
United Kingdom
- 
- (51) A61K 38/18  
C07K 14/71  
C12N 5/00  
C12N 15/62  
C12N 15/86  
(11) EP2968461  
(21) EP14722439.8  
(47) 21.09.2022  
(87) US2014026872  
02.10.2014  
(22) 13.03.2014  
(54) FUSION PROTEINS COMPRISING  
PDGF AND VEGF BINDING PORTIONS  
AND METHODS OF USING THEREOF  
(73) Genzyme Corporation  
(72) PECHAN, Peter  
ARDINGER, Jeffery  
RUBIN, Hillard  
WADSWORTH, Samuel  
SCARIA, Abraham  
(31) 201361780914 P  
(32) 13.03.2013  
(33) United States of America
- 
- (51) A61K 38/20  
C07K 14/00  
C07K 16/00  
A61P 1/00  
(11) EP3442562  
(21) EP17783333.2  
(47) 21.09.2022  
(87) US2017027806  
19.10.2017  
(22) 14.04.2017
- (54) AN IL-22 DIMER FOR USE  
IN TREATING NECROTIZING  
ENTEROCOLITIS  
(73) Evive Biotechnology (Shanghai) Ltd  
University of Pittsburgh - Of the  
Commonwealth System of Higher  
Education  
(72) KOLLS, Jay, Kennedy  
GOOD, Misty, Lynn  
YAN, Xiaoqiang  
(31) 201662323584 P  
(32) 15.04.2016  
(33) United States of America
- 
- (51) A61L 15/28  
A61L 15/48  
A61L 15/58  
A61L 15/62  
A61K 31/715  
A61K 31/722  
A61P 7/04  
A61P 17/02  
(11) EP2752203  
(21) EP14163464.2  
(47) 21.09.2022  
(22) 27.04.2009  
(54) Haemostatic material  
(73) Medtrade Products Ltd.  
(72) Hardy, Craig  
Eason, Guy  
Darby, Andrew  
(31) 0807561  
(32) 25.04.2008  
(33) United Kingdom
- 
- (51) A61L 17/06  
A61L 17/00  
A61L 17/04  
A61L 17/08  
A61L 17/10  
A61L 17/12  
(11) EP3747473  
(21) EP18903486.1  
(47) 21.09.2022  
(87) RU2018000050  
08.08.2019  
(22) 31.01.2018  
(54) COMPOSITE SURGICAL  
SUTURE MATERIAL BASED ON  
POLYFILAMENTOUS TITANIUM  
THREAD AND BIORESORBABLE  
POLYMERS  
(73) Titanium Textiles AG  
(72) KAZANTSEV, Anton Anatolevich  
YUSUPOV, Ajrat Auhatovich
- 
- (51) A61L 26/00  
(11) EP3600462  
(21) EP18777120.9  
(47) 21.09.2022  
(87) US2018025742  
04.10.2018  
(22) 02.04.2018  
(54) HYDROPHOBICALLY-MODIFIED  
POLYMER FOAMS AND METHODS OF  
USE  
(73) Medcura, Inc.  
(72) DOWLING, Matthew  
(31) 201762479903 P  
(32) 31.03.2017  
(33) United States of America

(51) A61L 27/54	A61P 7/08	(32) 18.03.2015
A61L 27/56	B01D 61/24	(33) United States of America
A61F 2/30	(11) EP3831422	(51) A61M 5/28
B33Y 80/00	(21) EP19861576.7	A61M 5/315
(11) EP3470098	(47) 21.09.2022	A61K 31/58
(21) EP17195993.5	(87) JP2019027051	(11) EP3127568
(47) 21.09.2022	26.03.2020	(21) EP15772563.1
(22) 11.10.2017	(22) 08.07.2019	(47) 21.09.2022
(54) IMPLANTABLE DRUG ELUTING DEVICE COMPRISING A MICROPOROUS STRUCTURE	(54) MANUFACTURING DEVICE FOR HYDROGEN-INCLUDING PERITONEAL DIALYSIS FLUID	(87) JP2015058994
(73) Waldemar Link GmbH & Co. KG	(73) Nihon Trim Co., Ltd.	08.10.2015
(72) BAUER, Eckhard	(72) TACHIBANA Takashi	(22) 24.03.2015
LINK, Helmut D.	(31) 2018176943	(54) PRE-FILLED SYRINGE FILLED WITH ROCURONIUM BROMIDE INJECTION SOLUTION
(51) A61M 1/00	(32) 21.09.2018	(73) Terumo Kabushiki Kaisha
(11) EP3366327	(33) Japan	(72) YOSHIDA, Akira
(21) EP18161782.0	(51) A61M 1/36	WATANABE, Yuki
(47) 21.09.2022	A61B 90/90	HORIUCHI, Aiko
(22) 08.07.2011	A61B 90/96	YOSHIKAWA, Hiroki
(54) APPARATUS AND METHODS RELATING TO COLLECTING AND PROCESSING HUMAN BIOLOGICAL MATERIAL CONTAINING ADIPOSE	A61B 90/98	(31) 2014073579
(73) GID BIO, Inc.	(11) EP2665436	(32) 31.03.2014
(72) CIMINO, William, W.	(21) EP12701314.2	(33) Japan
KATZ, Adam, J.	(47) 21.09.2022	(51) A61M 16/00
LLULL, Ramon	(87) EP2012000160	A61B 5/02
(31) 36315010 P	26.07.2012	A61M 16/12
(32) 09.07.2010	(22) 16.01.2012	(11) EP3801716
(33) United States of America	(54) METHOD FOR QUERYING A SPECIFICATION FEATURE OF A FUNCTIONAL MEDICAL DEVICE	(21) EP18733363.8
(51) A61M 1/16	(73) Fresenius Medical Care Deutschland GmbH	(47) 21.09.2022
(11) EP3781229	(72) BEDEN, Josef	(87) SE2018050606
(21) EP19736874.9	KLEWINGHAUS, Juergen	19.12.2019
(47) 21.09.2022	(31) 102011008856	(22) 11.06.2018
(87) US2019037424	201161433533 P	(54) VENTILATION PATTERN FOR HEMODYNAMIC PARAMETER DETERMINATION DURING MECHANICAL VENTILATION
26.12.2019	(32) 18.01.2011	(73) Maquet Critical Care AB
(22) 17.06.2019	18.01.2011	(72) HALLBÄCK, Magnus
(54) CALCULATING A DEPLETION TIME DURING DIALYSIS	(33) Germany	(51) A61M 25/00
(73) Fresenius Medical Care Holdings, Inc.	United States of America	A61B 18/14
(72) YUDS, David	(51) A61M 1/36	A61M 25/01
CRNKOVICH, Martin Joseph	A61M 1/16	A61B 18/00
CHHI, Ken	(11) EP3269407	A61B 18/02
(31) 201816012945	(21) EP16761806.5	A61B 90/00
(32) 20.06.2018	(47) 21.09.2022	(11) EP3668581
(33) United States of America	(87) JP2016057501	(21) EP18882540.0
(51) A61M 1/16	15.09.2016	(47) 21.09.2022
A61M 1/36	(22) 10.03.2016	(87) US2018062862
(11) EP3359216	(54) BLOOD PURIFICATION APPARATUS	06.06.2019
(21) EP16854523.4	(73) Nikkiso Company Limited	(22) 28.11.2018
(47) 21.09.2022	(72) TOYODA, Masahiro	(54) LUMEN MANAGEMENT CATHETER
(87) US2016056195	SUGIOKA, Akira	(73) St. Jude Medical, Cardiology Division, Inc.
13.04.2017	(31) 2015047039	(72) TEGG, Troy T.
(22) 07.10.2016	(32) 10.03.2015	DALY, Jacob J.
(54) MEDICAL DEVICE	(33) Japan	(31) 201862743389 P
(73) Maquet Cardiopulmonary GmbH	(51) A61M 5/20	201762591278 P
(72) HYDE, Aidan	A61M 5/24	(32) 09.10.2018
HOFF, Robert	A61M 5/28	28.11.2017
MEDART, Daniel	A61M 5/315	(33) United States of America
WALTERS, Daniel, A.	(11) EP3848073	United States of America
(31) 201662336571 P	(21) EP21160182.8	(51) A61M 25/088
201562238358 P	(47) 21.09.2022	A61F 2/24
(32) 13.05.2016	(22) 10.03.2016	(11) EP2922592
07.10.2015	(54) DISPENSING DEVICE WITH DRIVE MECHANISM HAVING CONVERGING RAMPS	(21) EP13856071.9
(33) United States of America	(73) Eli Lilly and Company	(47) 21.09.2022
United States of America	(72) JUDSON, Jared A.	(87) US2013070953
(51) A61M 1/28	(31) 201562134865 P	30.05.2014
A61M 1/16		(22) 20.11.2013

<p>(54) RETAINING MECHANISMS FOR PROSTHETIC HEART VALVES                  (73) Edwards Lifesciences Corporation                  (72) BRUNETT, William C.                  STANISLAUS, Charles                  RABITO, Glen T.                  ARMER, Dustin P.                  KARAPETIAN, Emil                  KHUU, Nancy                  (31) 201261729109 P                  (32) 21.11.2012                  (33) United States of America</p> <hr/> <p>(51) A61M 25/10                  B29L 31/00                  A61F 2/958                  B29C 49/18                  B29C 49/22                  B29C 49/64                  B29C 49/78                  (11) EP2974766                  (21) EP13878235.4                  (47) 21.09.2022                  (87) JP2013056793                  18.09.2014                  (22) 12.03.2013                  (54) BALLOON AND PRODUCTION METHOD FOR SAME                  (73) Terumo Kabushiki Kaisha                  (72) MAEDA, Naoyuki                  HASHIMOTO, Yoshiyuki                  SHIMURA, Kenichi</p> <hr/> <p>(51) A61M 31/00                  A61M 25/06                  A61M 25/10                  A61M 25/01                  A61M 25/04                  A61M 25/00                  (11) EP3253438                  (21) EP16746931.1                  (47) 21.09.2022                  (87) US2016012584                  11.08.2016                  (22) 08.01.2016                  (54) APPARATUS AND METHODS FOR ADMINISTERING TREATMENT WITHIN A BODILY DUCT OF A PATIENT                  (73) Stryker European Operations Holdings LLC                  Stryker Corporation                  (72) MURPHY, Murtagh M.                  (31) 201562112135 P                  (32) 04.02.2015                  (33) United States of America</p> <hr/> <p>(51) A61M 37/00                  A61K 9/00                  (11) EP3851153                  (21) EP21155203.9                  (47) 21.09.2022                  (22) 17.04.2017                  (54) MICRONEEDLE ARRAY ASSEMBLY AND DRUG DELIVERY DEVICE                  (73) Sorrento Therapeutics, Inc.                  (72) BAKER, Andrew T.                  ROSS, Russel F.                  GADSBY, Elizabeth Deibler                  HAGAN, Luke                  (31) 201662329464 P                  (32) 29.04.2016</p>	<p>(33) United States of America</p> <hr/> <p>(51) A61M 37/00                  A61M 5/00                  A61M 5/20                  (11) EP2413995                  (21) EP10713891.9                  (47) 21.09.2022                  (87) EP2010054352                  07.10.2010                  (22) 31.03.2010                  (54) DOSE BUTTON FOR A DRUG DELIVERY DEVICE AND METHOD FOR MANUFACTURING A DOSE BUTTON                  (73) Sanofi-Aventis Deutschland GmbH                  (72) HARMS, Michael                  RAAB, Steffen                  STAUDER, Udo                  AVERY, Richard, James, Vincent                  LANGLEY, Christopher, Nigel                  SENIOR, James, Alexander                  DAVIES, James, Alexander                  (31) 169880 P                  09004674                  (32) 16.04.2009                  31.03.2009                  (33) United States of America                  European Patent Office (EPO)</p> <hr/> <p>(51) A61M 60/109                  A61M 60/38                  A61M 60/279                  A61M 1/36                  (11) EP3860674                  (21) EP19706932.1                  (47) 21.09.2022                  (87) EP2019053763                  20.08.2020                  (22) 15.02.2019                  (54) ARTERIAL CANNULA                  (73) POLLARI, Francesco                  Cuomo, Michela                  (72) POLLARI, Francesco                  Cuomo, Michela</p> <hr/> <p>(51) A61N 1/05                  A61N 1/39                  (11) EP3760277                  (21) EP20183494.2                  (47) 21.09.2022                  (22) 01.07.2020                  (54) SUBCUTANEOUS IMPLANTABLE CARDIAC DEFIBRILLATION SYSTEM                  (73) Sorin CRM SAS                  (72) LEGAY, Thierry                  CORDERO ALVAREZ, Rafael                  FEUERSTEIN, Delphine                  (31) 1907532                  (32) 05.07.2019                  (33) France</p> <hr/> <p>(51) A61N 1/36                  (11) EP3615132                  (21) EP17722291.6                  (47) 21.09.2022                  (87) US2017029464                  01.11.2018                  (22) 25.04.2017                  (54) COCHLEAR IMPLANTS HAVING IMPACT RESISTANT MRI-COMPATIBLE MAGNET APPARATUS                  (73) Advanced Bionics AG</p>	<p>(72) SMITH, James, George Elcoate                  LEE, Sung Jin</p> <hr/> <p>(51) A61N 1/375                  H01R 13/00                  (11) EP3020449                  (21) EP15199218.7                  (47) 21.09.2022                  (22) 11.05.2011                  (54) ELECTRONIC DEVICE OR ELECTRIC COMPONENT                  (73) Dyconex AG                  (72) Hauer, Marc                  Eck, Stefan                  (31) 346925 P                  (32) 21.05.2010                  (33) United States of America</p> <hr/> <p>(51) A61N 5/10                  (11) EP3501602                  (21) EP18213724.0                  (47) 21.09.2022                  (22) 18.12.2018                  (54) RADIATION THERAPY SYSTEM                  (73) Toshiba Energy Systems &amp; Solutions Corporation                  (72) MORI, Shinichiro                  YANAGAWA, Koki                  HIRAI, Ryusuke                  FUKUSHIMA, Shinya                  ISEKI, Yasushi                  OKAYA, Keiko                  (31) 2017244072                  (32) 20.12.2017                  (33) Japan</p> <hr/> <p>(51) A61N 7/00                  A61B 8/00                  (11) EP2519322                  (21) EP11728550.2                  (47) 21.09.2022                  (87) US2011020052                  07.07.2011                  (22) 03.01.2011                  (54) ULTRASOUND COUPLING DEVICE                  (73) ZetrOZ Systems, LLC                  (72) LEWIS JR., George K.                  GUFFEY, Bryant                  (31) 291732 P                  291779 P                  291804 P                  (32) 31.12.2009                  31.12.2009                  31.12.2009                  (33) United States of America                  United States of America                  United States of America</p> <hr/> <p>(51) A61N 7/00                  A61M 37/00                  (11) EP3352853                  (21) EP16778576.5                  (47) 21.09.2022                  (87) US2016052923                  30.03.2017                  (22) 21.09.2016                  (54) METHODS FOR ENHANCING TOPICAL APPLICATION OF A BENEFIT AGENT                  (73) Johnson &amp; Johnson Consumer Inc.                  (72) PAUNESCU, Alexandru                  SUN, Ying                  PATURI, Jyotsna</p>
--	---	--

WU, Jeffrey M.	A61P 25/00	(22) 04.12.2020
(31) 201562221889 P	A61P 25/04	(54) KRAS G12C INHIBITORS
(32) 22.09.2015	A61P 25/06	(73) Eli Lilly and Company
(33) United States of America	A61P 25/08	(72) BOULET, Serge Louis
(51) A61N 7/02	A61P 25/14	FORTNER, Kevin Charles
A61B 18/12	A61P 25/16	GUO, Deqi
A61B 18/14	A61P 25/18	HYMAN, David Michael
A61B 18/18	A61P 25/20	PENG, Sheng-Bin
A61B 18/00	A61P 25/22	SI, Chong
A61B 18/02	C07J 51/00	(31) 201962946586 P
A61B 8/12	A61P 25/24	(32) 11.12.2019
A61B 18/24	(11) EP3392260	(33) United States of America
A61B 17/00	(21) EP18162373.7	(51) A61Q 5/06
(11) EP2662116	(47) 21.09.2022	A61K 8/06
(21) EP13003667.6	(22) 18.12.2013	A61K 8/36
(47) 21.09.2022	(54) NEUROACTIVE 19-ALKOXY-17-	A61K 8/37
(22) 08.05.2009	SUBSTITUTED STEROIDS, USEFUL IN	A61K 8/891
(54) Systems and assemblies for treating a	METHODS OF TREATMENT	A61K 8/31
bronchial tree	(73) Washington University	A61K 8/39
(73) Nuvaira, Inc.	Sage Therapeutics, Inc.	A61K 8/894
(72) Dimmer, Steven C.	(72) COVEY, Douglas	(11) EP2794023
Mayse, Martin L.	ROBICHAUD, Albert, Jean	(21) EP12806487.0
(31) 155449 P	(31) 201261738822 P	(47) 21.09.2022
106490 P	(32) 18.12.2012	(87) EP2012076561
52082 P	(33) United States of America	27.06.2013
(32) 25.02.2009	(51) A61P 31/04	(2) 21.12.2012
17.10.2008	A61K 33/18	(54) HAIR TREATMENT WITH AN
09.05.2008	A61K 31/728	INVERSE EMULSION COMPRISING A
(33) United States of America	(11) EP3840839	DICARBONYL DERIVATIVE
United States of America	(21) EP19778421.8	(73) L'Oréal
United States of America	(47) 21.09.2022	(72) MORVAN, Christelle
(51) A61P 25/00	(87) CZ2019050035	(31) 1162159
A61P 25/06	27.02.2020	201261592963 P
A61P 25/14	(22) 17.08.2019	(32) 21.12.2011
A61P 25/16	(54) COMPOSITION COMPRISING	31.01.2012
A61K 31/428	AN IODIDE AND A DERIVATIVE	(33) France
A61K 9/70	OF HYALURONIC ACID WITH AN	United States of America
(11) EP3522843	OXIDATIVE EFFECT, METHOD OF	(51) A62B 7/14
(21) EP16918441.3	PREPARATION THEREOF AND USE	(11) EP3082977
(47) 21.09.2022	THEREOF	(21) EP14825233.1
(87) US2016055866	(73) Contipro a.s.	(47) 21.09.2022
12.04.2018	(72) BUFFA, Radovan	(87) US2014071178
(22) 07.10.2016	SVOZIL, Vit	25.06.2015
(54) PRAMIPEXOLE TRANSDERMAL	KNOTKOVA, Katerina	(22) 18.12.2014
DELIVERY SYSTEM AND USES	STEPANKOVA, Veronika	(54) PULSE SATURATION OXYGEN
THEREOF	KULHANEK, Jaromir	DELIVERY SYSTEM
(73) Transwell Biotech Co., Ltd.	CHMELAR, Josef	(73) B/E Aerospace, Inc.
(72) LEE, Catherine	MARHOLDOVA, Lucie	(72) ELLIOTT, Andrew
WU, Taijung	BASARABOVA, Ivana	NAGRECHA, Mrinal
(51) A61P 25/28	MORAVKOVA, Michaela	(31) 201414573998
A61P 25/30	KREJCI, Helena	201361919007 P
A61P 25/32	LIPENSKA, Kristyna	(32) 17.12.2014
A61P 29/00	NOVOTNY, Jaroslav	20.12.2013
A61P 43/00	PEPELIAEV, Stanislav	(33) United States of America
A61P 9/10	SOBOTKA, Lubos	United States of America
A61P 11/06	VELEBNY, Vladimir	(51) A62B 7/14
A61P 23/00	(31) 20180042	A62B 9/04
A61P 23/02	(32) 23.08.2018	A62B 17/00
C07J 1/00	(33) Czech Republic	A62B 17/04
C07J 5/00	(51) A61P 35/00	A61M 16/06
C07J 7/00	C07D 487/04	(11) EP3578229
C07J 21/00	C07D 498/04	(21) EP18181894.9
C07J 41/00	A61K 31/553	(47) 21.09.2022
A61K 31/56	(11) EP3886991	(22) 05.07.2018
A61K 31/565	(21) EP20834024.0	(54) PROTECTION AND RESPIRATORY
A61K 31/566	(47) 21.09.2022	EQUIPMENT FOR AIRCRAFT PILOT
A61K 31/573	(87) US2020063272	AND INDIVIDUAL USER
A61K 31/58	17.06.2021	(73) Safran Aerotechnics

(72) DELPRAT, Jean-Baptiste POTET, Olivier	(51) A63F 13/28 (11) EP3088064 (21) EP16163513.1 (47) 21.09.2022 (22) 01.04.2016	(22) 10.01.2018 (54) DEVICE AND METHOD FOR OBTAINING A DESICCATED PRODUCT FROM BLOOD OR BLOOD DERIVATIVES
(31) 1854906 (32) 06.06.2018 (33) France	(47) 21.09.2022 (22) 01.04.2016	(73) Universidade De Santiago De Compostela
(51) A62B 9/02 A62B 7/02 A62B 7/14	(54) VIBRATION SIGNAL GENERATION PROGRAM, VIBRATION SIGNAL GENERATION SYSTEM, VIBRATION SIGNAL GENERATION APPARATUS, VIBRATION SIGNAL GENERATION METHOD, AND DATA OUTPUT PROGRAM	(72) MAGIDE AMEIJIDE, José Manuel VARELA RODRÍGUEZ, Hiram
(11) EP3834891 (21) EP19306605.7 (47) 21.09.2022 (22) 09.12.2019	(73) NINTENDO CO., LTD. (72) YAMASHITA, Kei MASUBUCHI, Shoji	(31) 201730019 (32) 11.01.2017 (33) Spain
(54) CONTROL ASSEMBLY FOR A BREATHING MASK FOR AN AIRCRAFT CREW MEMBER	(31) 2015086842 (32) 21.04.2015 (33) Japan	(51) B01D 5/00 B01D 45/00 B01D 53/26 B64D 13/00 B64D 13/06
(73) SAFRAN AEROTECHNICS (72) Jacotey, Jérémy Lamourette, Didier Moreira, Serge	(51) A63G 21/18 (11) EP3736028 (21) EP20168444.6 (47) 21.09.2022 (22) 07.04.2020	(11) EP3539635 (21) EP19162339.6 (47) 21.09.2022 (22) 12.03.2019 (54) NON-HORIZONTAL WATER EXTRACTOR
(51) A62C 2/12 F24F 11/33 F24F 13/02 F24F 13/14	(54) SLIDE, INFLATABLE WATER SLIDE AND POOL	(73) Hamilton Sundstrand Corporation (72) WALSH, Kevin P. LOKHANDWALLA, Murtuza McCord, Patrick
(11) EP3623016 (21) EP19197070.6 (47) 21.09.2022 (22) 12.09.2019	(73) Bestway Inflatables & Material Corp. (72) HUANG, Shuiyong FUMAGALLI, Patrizio VARTOLA, Matthew MCBRIDE, John LIU, Jiliang JIN, Yuliang ZHANG, Lei	(31) 201815918733 (32) 12.03.2018 (33) United States of America
(54) FIRE DOOR WITH A HOUSING FOR A SHUT-OFF FLAP THAT CAN BE PIVOTED AROUND AND WITH INSTALLATION SET AROUND THE OUTSIDE OF THE HOUSING	(31) 201920663485 U (32) 10.05.2019 (33) China	(51) B01D 19/04 C11D 3/00 C11D 3/04 C11D 3/37 D21H 21/12 D21C 3/28
(73) TROX GmbH (72) Fels, Martin (31) 202018105316 U (32) 17.09.2018 (33) Germany	(51) A63H 33/04 (11) EP3801798 (21) EP19737902.7 (47) 21.09.2022 (87) IB2019054800 19.12.2019 (22) 10.06.2019	(11) EP3887015 (21) EP18814817.5 (47) 21.09.2022 (87) EP2018082900 04.06.2020 (22) 28.11.2018
(51) A62C 13/64 A62C 35/13 A62C 37/36 A62C 3/07	(54) MAGNETIC MODULE WITH MAGNETICALLY ACTIVATABLE AND DEACTIVATABLE ANCHORING SURFACES	(54) DEFOAMING FORMULATIONS CONTAINING ORGANOPOLYSILOXANES
(11) EP2638935 (21) EP13158936.8 (47) 21.09.2022 (22) 13.03.2013	(73) Vicentelli, Claudio (72) Vicentelli, Claudio (31) 201800006207 (32) 11.06.2018 (33) Italy	(73) Wacker Chemie AG (72) GRANDL, Markus DECKERT, Christoph HÖLZLWIMMER, Elisabeth SAGE, Corinna WIMMER, Josef
(54) Automatic actuation of a general purpose hand extinguisher	(31) 201213421568 (32) 15.03.2012 (33) United States of America	(51) B01D 24/10 C02F 1/20 C02F 1/28 C02F 1/42 B01D 27/02 C02F 103/02 B01D 36/00 C02F 1/00 B01D 24/12
(73) Kidde Technologies, Inc. (72) Chaney, Marcus Lofvenholm, Patrick	(51) B01D 1/26 A23J 1/06 A23K 10/24 B01D 1/00 B01D 1/22 B01D 1/24 B01D 5/00 F26B 5/04 F26B 25/04 B01D 3/10 A23J 3/12	(11) EP3459611 (21) EP17799746.7 (47) 21.09.2022 (87) RU2017000333 23.11.2017 (22) 22.05.2017
(31) 201213421568 (32) 15.03.2012 (33) United States of America	(11) EP3569296 (21) EP18738496.1 (47) 21.09.2022 (87) ES2018070017 19.07.2018	(54) FILTER MODULE FOR A LIQUID PURIFICATION DEVICE

(73) Electrophor, Inc.	Schultink, Jan	26.02.2009
(72) KUZMIN, Aleksey Leonidovich RUSINOV, Gleb Dmitrievich SHMIDT, Josef Lvovich	(51) B01D 53/32 B03C 3/74 B08B 1/00	(33) United Kingdom United Kingdom
(31) 2016119689	H05H 1/34	(51) B01D 61/14 A61M 1/34
(32) 20.05.2016	(11) EP2744588	B01D 61/18
(33) Russian Federation	(21) EP12743760.6	B01D 63/06
(51) B01D 29/01	(47) 21.09.2022	B01D 63/16
B01D 46/52	(87) GB2012051632	(11) EP3302765
B01D 69/10	21.02.2013	(21) EP16734077.7
(11) EP3643383	(22) 11.07.2012	(47) 21.09.2022
(21) EP19201963.6	(54) APPARATUS FOR TREATING A GAS STREAM	(87) US2016036209 15.12.2016
(47) 21.09.2022	(73) Edwards Limited	(22) 07.06.2016
(22) 08.10.2019	(72) CLEMENTS, Christopher James Philip VORONIN, Sergey Alexandrovich BIDDER, John Leslie	(54) PLASMA EXTRACTOR (73) Becton, Dickinson and Company (72) XU, Qihua
(54) FILTER ARRANGEMENT WITH SUPPORT AND DRAINAGE MATERIAL, AND METHOD OF USE	MCGRATH, Daniel	LASTOVICH, Alexander, G.
(73) Pall Corporation	(31) 201114174	(31) 201562172424 P
(72) MILLER, John P. ZEILER, Martin	(32) 17.08.2011	(32) 08.06.2015
(31) 201816169605	(33) United Kingdom	(33) United States of America
(32) 24.10.2018	(51) B01D 53/94	(51) B01D 63/02
(33) United States of America	B01J 23/42	B01D 71/34
(51) B01D 45/14	B01J 23/44	B01D 69/02
B04B 9/06	B01J 29/74	B01D 71/44
B04B 5/12	(11) EP3485964	B01D 67/00
F01M 13/04	(21) EP18213024.5	B01D 71/32
(11) EP3838376	(47) 21.09.2022	B01D 69/08
(21) EP19216527.2	(22) 08.12.2014	(11) EP3103546
(47) 21.09.2022	(54) COLD START CATALYST AND ITS USE IN EXHAUST SYSTEMS	(21) EP15769046.2 (47) 21.09.2022
(22) 16.12.2019	(73) Johnson Matthey Public Limited Company	(87) JP2015055686 01.10.2015
(54) CENTRIFUGAL SEPARATOR AND MACHINE COMPRISING A CENTRIFUGAL SEPARATOR	(72) RAJARAM, Raj CHEN, Hai-Ying	(22) 26.02.2015
(73) Alfdex AB	LIU, Dongxia	(54) HOLLOW FIBER MEMBRANE, AND METHOD FOR PRODUCING HOLLOW FIBER MEMBRANE
(72) JANNERSTAD, Ronny	(31) 201361912825 P	(73) Kuraray Co., Ltd.
(51) B01D 46/00	(32) 06.12.2013	(72) YABUNO, Youhei
B01D 39/20	(33) United States of America	YOSHITOSHI, Tsukasa
F01N 3/022	(51) B01D 53/94	HAYASHI, Yusuke
B01D 46/24	F01N 3/035	(31) 2014063791
B28B 11/00	B01J 23/46	(32) 26.03.2014
(11) EP3115095	B01J 35/04	(33) Japan
(21) EP15758602.5	B01J 35/10	(51) B01D 65/02
(47) 21.09.2022	B01J 29/06	A61L 2/20
(87) JP2015056100	B01J 23/40	B01D 69/06
11.09.2015	B01J 35/02	F26B 5/06
(22) 02.03.2015	B01J 37/00	(11) EP3721975
(54) HONEYCOMB FILTER, AND METHOD FOR MANUFACTURING HONEYCOMB FILTER	B01J 37/02	(21) EP20160279.4
(73) IBIDEN Co., Ltd.	B01J 37/03	(47) 21.09.2022
(72) YAMANISHI Osamu SONODA Masato	(11) EP2589427	(22) 28.02.2020
(31) 2014040783	(21) EP13153896.9	(54) METHOD FOR PRODUCING A PARTICLE-FREE STERILE PACKAGED FILTER PRODUCT
(32) 03.03.2014	(47) 21.09.2022	(73) Kögel, Jürgen
(33) Japan	(22) 26.02.2010	(72) Kögel, Jürgen
(51) B01D 46/10	(54) POSITIVE IGNITION ENGINE WITH FILTER FOR FILTERING PARTICULATE MATTER FROM EXHAUST GAS EMITTED FROM THE POSITIVE IGNITION ENGINE	(31) 102019109635 (32) 11.04.2019
A47L 9/12	(73) JOHNSON MATTHEY PUBLIC LIMITED COMPANY	(33) Germany
B01D 46/52	(72) Arnold, Louise Clare	(51) B01D 65/10 B01D 69/12
F24F 13/28	Brisley, Robert James	(11) EP3075439
(11) EP2979742	Greenwell, David Robert	(21) EP16152048.1
(21) EP14179375.2	Morgan, Christopher Gough	(47) 21.09.2022
(47) 21.09.2022	(31) 0922612	(22) 07.05.2009
(22) 31.07.2014	0903262	
(54) Holder for a filter medium	(32) 24.12.2009	
(73) Eurofilters Holding N.V.		
(72) Sauer, Ralf		

(54) METHOD FOR REDUCING PERFORMANCE VARIABILITY OF MULTI-LAYER FILTERS	SCIAMBI, Adam R. (31) 201562112075 P (32) 04.02.2015 (33) United States of America	(32) 16.12.2016 (33) European Patent Office (EPO)
(73) EMD Millipore Corporation	(33) United States of America	(51) B01L 3/00
(72) Satav, Nitin Giglia, Sal Krishnan, Mani	(51) B01F 27/072 B01F 27/113 B01F 33/35	F04B 37/02 F04B 37/04 F04B 19/00 F04B 19/16
(31) 127156 P	(11) EP3789108	(11) EP3344573
(32) 09.05.2008	(21) EP20193532.7	(21) EP16842448.9
(33) United States of America	(47) 21.09.2022	(47) 21.09.2022
(51) B01D 65/10 B01D 69/12	(22) 31.08.2020 (54) INDUSTRIAL MIXING MACHINE	(87) US2016023262 09.03.2017
(11) EP3456406	(73) Dr. HERFELD GmbH & Co. KG	(22) 18.03.2016
(21) EP18179413.2	(72) Rüberg, Wolfgang	(54) PASSIVE PUMPS FOR MICROFLUIDIC DEVICES
(47) 21.09.2022	(31) 202019104870 U	(73) North Carolina State University
(22) 07.05.2009	(32) 04.09.2019	(72) CUMMINS, Brian M.
(54) METHOD FOR REDUCING PERFORMANCE VARIABILITY OF MULTI-LAYER FILTERS	(33) Germany	LIGLER, Frances Smith WALKER, Glenn
(73) EMD Millipore Corporation	(51) B01J 19/24 B01J 4/00 B01J 12/00	(31) 201562214352 P
(72) Giglia, Sal Krishnan, Mani Satav, Nitin	(11) EP3641930 (21) EP18733661.5 (47) 21.09.2022	(32) 04.09.2015 (33) United States of America
(31) 127156 P	(87) GB2018000096	(51) B01L 3/00
(32) 09.05.2008	27.12.2018	G01N 1/40 G01N 35/00
(33) United States of America	(22) 20.06.2018	(11) EP3829767
(51) B01F 23/50 B01F 25/312 B01F 25/32 B01F 25/85 B01F 35/00	(54) GAS PROCESSING DEVICE AND METHOD (73) ZELP LTD (72) NORRIS, Francisco NORRIS, Patricio	(21) EP19750091.1 (47) 21.09.2022 (87) EP2019070530 06.02.2020
(11) EP3720592	(31) 17176994	(22) 30.07.2019
(21) EP18821920.8	(32) 20.06.2017	(54) DEVICE AND METHOD FOR GUIDING A LIQUID THROUGH A POROUS MEDIUM
(47) 21.09.2022	(33) European Patent Office (EPO)	(73) Hahn-Schickard-Gesellschaft für angewandte Forschung e.V.
(87) US2018063603 13.06.2019	(51) B01J 19/30 (11) EP3263211 (21) EP16176411.3 (47) 21.09.2022	(72) KAINZ, Daniel PAUST, Nils ZAHO, Yunpeng FRÜH, Susanna
(22) 03.12.2018	(22) 27.06.2016	(31) 102018212930
(54) MATERIAL WETTING SYSTEM WITH SHROUD ASSEMBLY	(54) CATALYST FILLING IN FORM OF PLATES	(32) 02.08.2018
(73) Ecolab USA Inc.	(73) Alantum Europe GmbH	(33) Germany
(72) ANDERSON, Daniel Davis MUEGGENBORG, Brock Stephen HEINBUCH, Karl SCHEIMANN, David W. BOGDA, Alex PEACOCK, Thomas E.	(72) Gocke, Ulla Kolvenbach, Robin Scheiblhuber, Anke Torkuhl, Lars	(51) B03C 3/017 B03C 3/06 B03C 3/08 B03C 3/41 B03C 3/49 B03C 3/47 G01N 15/06 G01N 1/22 G01N 15/00 G01N 27/60
(31) 201762594309 P	(51) B01J 29/74 C10G 45/58 B01J 29/70 C10G 45/64 C10G 65/12 C10G 45/60 B01J 29/80 B01J 35/02 B01J 35/00 B01J 37/18	(11) EP3903089 (21) EP19801545.5 (47) 21.09.2022 (87) EP2019080679 02.07.2020
(32) 04.12.2017	(11) EP3554693	(22) 08.11.2019
(33) United States of America	(21) EP17832757.3 (47) 21.09.2022	(54) PARTICLE SENSOR AND METHOD FOR OPERATING SAME
(51) B01F 25/433 B01F 33/302 C12Q 1/68 C40B 70/00 C40B 50/06 C40B 20/00	(87) EP2017082643 21.06.2018 (22) 13.12.2017	(73) Robert Bosch GmbH (72) RUSANOV, Radoslav (31) 102018251793 (32) 28.12.2018 (33) Germany
(11) EP3253479	(54) CATALYST SYSTEM FOR DEWAXING	(51) B05B 7/32 B29C 44/34
(21) EP16747229.9	(73) Shell Internationale Research Maatschappij B.V.	
(47) 21.09.2022	(72) JONGKIND, Hermanus RIGUTTO, Marcello, Stefano	
(87) US2016016444 11.08.2016	(31) 16204786	
(22) 03.02.2016		
(54) SEQUENCING OF NUCLEIC ACIDS VIA BARCODING IN DISCRETE ENTITIES		
(73) The Regents of the University of California		
(72) ABATE, Adam R. HALIBURTON, John LAN, Freeman		

B29C 44/36 C08J 9/14	(33) United States of America United States of America	GLASS FIBRES FROM COMPOSITE MATERIALS
(11) EP2969240	(51) B08B 3/02	(73) Societa' per Azioni Curti - Costruzioni Meccaniche
(21) EP14715795.2	B08B 5/04	(72) CAVAZZONI, Massimo
(47) 21.09.2022	A47L 11/30	GIORGINI, Loris
(87) US2014027122	A47L 11/40	LEONARDI, Chiara
25.09.2014	(11) EP3549684	TOSI, Cristian
(22) 14.03.2014	(21) EP18165935.0	ZATTINI, Giorgio
(54) METHOD FOR FORMING A POLYURETHANE FOAM INCLUDING ON DEMAND INTRODUCTION OF ADDITIVE TO RESIN COMPONENT AND METHOD FOR FORMING AND SPRAYING A POLYURETHANE FOAM INCLUDING ON DEMAND INTRODUCTION OF ADDITIVE TO RESIN COMPONENT	(47) 21.09.2022	(31) 201900022995
(73) BASF SE	(22) 05.04.2018	(32) 04.12.2019
(72) WISHNESKI, Todd, William	(54) PORTABLE CLEANING DEVICE FOR LIQUID CLEANING OF SENSITIVE COMPONENTS	(33) Italy
CARTER, Gregory, Bryan	(73) Airbus Defence and Space GmbH	(51) B21B 31/16
HUNTER, Marcus, J.	(72) Bose, Guido	B21B 13/14
JEAN-REJOUIS, Mario	(51) B08B 15/00	B21B 37/00
LONGTIN, Peter, Noel	B08B 15/02	B21B 37/58
(31) 201361786901 P	B23K 9/32	B21B 37/68
(32) 15.03.2013	(11) EP3141306	B21B 38/10
(33) United States of America	(21) EP16169433.6	(11) EP3674008
(51) B05C 5/02	(47) 21.09.2022	(21) EP18848564.3
A61F 13/15	(22) 12.05.2016	(47) 21.09.2022
B65H 57/00	(54) EXTRACTOR WITH SEGMENTED POSITIVE PRESSURE AIRFLOW SYSTEM	(87) JP2018031307
B05C 13/00	(73) Illinois Tool Works, Inc.	28.02.2019
(11) EP3068550	(72) MOON, Thomas A.	(22) 24.08.2018
(21) EP14805453.9	FRANK, Adam J.	(54) ROLLING MILL AND METHOD FOR SETTING ROLLING MILL
(47) 21.09.2022	MASKE, William P.	(73) Nippon Steel Corporation
(87) US2014065250	(31) 201514801591	(72) ISHII, Atsushi
21.05.2015	(32) 16.07.2015	KASAI, Daisuke
(22) 12.11.2014	(33) United States of America	NIKKUNI, Daisuke
(54) FLUID APPLICATION DEVICE HAVING A MODULAR NON-CONTACT NOZZLE FOR APPLYING FLUID TO AN ARTICLE	(51) B08B 15/04	(31) 2017161316
(73) Illinois Tool Works Inc.	F16L 27/12	(32) 24.08.2017
(72) LESSLEY, Mel Steven	B08B 15/00	(33) Japan
BOLYARD JR., Edward Wayne	F16L 27/08	(51) B21B 37/48
(31) 201414525498	(11) EP2229245	B21B 39/08
201361904317 P	(21) EP09701968.1	B21C 47/34
(32) 28.10.2014	(47) 21.09.2022	B21D 43/00
14.11.2013	(87) SE2009050023	B65H 51/14
(33) United States of America	23.07.2009	(11) EP3873685
United States of America	(22) 14.01.2009	(21) EP20839220.9
(51) B05C 19/06	(54) ARRANGEMENT, VENTILATION ARM, VENTILATION SYSTEM	(47) 21.09.2022
B05C 11/10	(73) FUMEX AB	(87) DE2020100994
B05B 14/00	(72) HEDLUND, Lars	03.06.2021
B05B 14/30	KARLANDER, Lars	(22) 24.11.2020
(11) EP3600693	(31) 0800128	(54) ROLL LINE
(21) EP18772103.0	(32) 18.01.2008	(73) Umlauf, Norbert
(47) 21.09.2022	(33) Sweden	(72) Umlauf, Norbert
(87) US2018015171	(51) B09B 3/00	(31) 102019131761
27.09.2018	B09B 5/00	(32) 25.11.2019
(22) 25.01.2018	B29B 17/02	(33) Germany
(54) FLUID APPLICATION SYSTEM ADAPTED TO COLLECT AND REUSE RECLAIMED FLUID	C03C 25/70	(51) B21B 45/00
(73) Ford Motor Company	C10B 47/40	B21B 45/04
(72) SADRI, Hossein Jacob	C10B 53/07	B21B 1/46
JUSZCZYK, Stephen	C10B 57/02	(11) EP3986628
(31) 201715626736	C10B 57/16	(21) EP21746810.7
201762474904 P	F27B 9/00	(47) 21.09.2022
(32) 19.06.2017	F27B 9/02	(87) IB2021055952
22.03.2017	F27B 9/04	06.01.2022
	B29B 17/04	(22) 02.07.2021
	(11) EP3831502	(54) PLANT AND PROCESS FOR THE CONTINUOUS PRODUCTION OF HOT- ROLLED ULTRA-THIN STEEL STRIPS
	(21) EP20209758.0	(73) Arvedi Steel Engineering S.p.A.
	(47) 21.09.2022	(72) ARVEDI, Giovanni
	(22) 25.11.2020	BIANCHI, Andrea Teodoro
	(54) INSTALLATION AND METHOD FOR RECOVERING CARBON OR	MANTOVA, Aldo
		VENTURINI, Roberto
		(31) 202000016120

(32) 03.07.2020	B29C 64/255	(54) GAS FLOW CONTROL DEVICE FOR
(33) Italy	B22F 10/28	AN ADDITIVE MANUFACTURING
(51) B21D 26/035	B22F 12/30	SYSTEM
B21D 26/047	B22F 12/00	(73) General Electric Company
(11) EP3081317	B22F 12/70	(72) WAKELAM, Christian
(21) EP14870135.2	B22F 10/20	DU CAUZE DE NAZELLE, Rene
(47) 21.09.2022	(11) EP3756797	FISCHER, Daniel
(87) JP2014076098	(21) EP20178701.7	HADERLEIN, Hannes
18.06.2015	(47) 21.09.2022	ENGEL, Viktor
(22) 30.09.2014	(22) 08.06.2020	HOEFLE, Florian
(54) MOLDING DEVICE	(54) METHOD FOR TESTING NEW	LEVINE, Rachel, Wyn
(73) Sumitomo Heavy Industries, Ltd.	MATERIAL COMPOSITIONS FOR	(31) 201815948648
(72) UENO, Norieda	POWDER BED-BASED LASER	(32) 09.04.2018
ISHIZUKA, Masayuki	MELTING, AND DEVICE THEREFOR	(33) United States of America
SAIKA, Masayuki	(73) Fraunhofer-Gesellschaft zur Förderung	(51) B23B 27/14
KOMATSU, Takashi	der angewandten Forschung e.V.	C23C 16/36
(31) 2013254383	(72) Wilms, Markus Benjamin	C23C 28/04
(32) 09.12.2013	Saewe, Jasmin	C23C 16/02
(33) Japan	Vogeloth, Andreas	C23C 16/32
(51) B22C 1/00	Spoden, Marcel	C23C 16/34
B22C 1/22	(31) 102019209133	C23C 30/00
B22C 9/04	(32) 25.06.2019	C23C 16/40
B22C 9/12	(33) Germany	(11) EP3498406
B22D 23/00	(51) B22F 10/00	(21) EP17839400.3
(11) EP3586993	F28F 7/02	(47) 21.09.2022
(21) EP19183670.9	(11) EP3854505	(87) JP2017028560
(47) 21.09.2022	(21) EP21152399.8	15.02.2018
(22) 01.07.2019	(47) 21.09.2022	(22) 07.08.2017
(54) PRODUCTION OF MULTI-PASSAGE	(22) 19.01.2021	(54) SURFACE-COATED CUTTING TOOL
HOLLOW CASTING	(54) INTEGRAL MOUNTING ARM FOR	WITH EXCELLENT ADHESION-
(73) Raytheon Technologies Corporation	HEAT EXCHANGER	INDUCED CHIPPING RESISTANCE
(72) MARCIN, John Joseph	(73) Hamilton Sundstrand Corporation	AND PEEL RESISTANCE
BULLIED, Steven J.	(72) COLSON, Paul M.	(73) Mitsubishi Materials Corporation
RANGANATH, Santosh	(31) 202016752062	(72) MURAKAMI, Akihiro
(31) 201816023896	(32) 24.01.2020	KUNUGI, Hitoshi
(32) 29.06.2018	(33) United States of America	(31) 2016156161
(33) United States of America	(51) B22F 10/20	(32) 09.08.2016
(51) B22C 9/06	B22F 12/00	(33) Japan
B22C 9/08	B23K 26/14	(51) B23B 29/034
B22D 17/22	B23K 26/34	(11) EP3890910
(11) EP3212350	B23K 26/144	(21) EP20700901.0
(21) EP15766885.6	B33Y 30/00	(47) 21.09.2022
(47) 21.09.2022	(11) EP3556507	(87) EP2020050907
(87) EP2015071914	(21) EP19155399.9	23.07.2020
06.05.2016	(47) 21.09.2022	(22) 15.01.2020
(22) 23.09.2015	(22) 05.02.2019	(54) DRILL HEAD FOR CHAMBERING NON-
(54) CASTING MOLD COMPRISING	(54) LASER CLADDING APPARATUS	CYLINDRICAL INNER CONTOURS
AT LEAST ONE CAVITY FOR	(73) Nakamura-Tome Precision Industry Co.,	(73) Botek Präzisionsbohrtechnik GmbH
MANUFACTURING AT LEAST ONE	Ltd.	(72) STREHLE, Gerhard
CAST ARTICLE	(72) KAMIGAWARA, Atsushi	(31) 102019100891
(73) Volkswagen Aktiengesellschaft	MASUKO, Naoto	(32) 15.01.2019
(72) BEGANOVIC, Thomas	(31) 2018020636	(33) Germany
DEMME, Carsten	(32) 08.02.2018	(51) B23B 31/02
GIERTH, Sebastian	(33) Japan	B23B 37/00
KUCHARSKI, Rafael	(51) B22F 10/28	B24B 1/04
FINDEISEN, Sebastian	B22F 10/322	(11) EP3319748
KNORR, Stephan	B22F 12/70	(21) EP16736478.5
(31) 102014221852	B33Y 10/00	(47) 21.09.2022
(32) 27.10.2014	B33Y 30/00	(87) EP2016066330
(33) Germany	B23K 26/14	12.01.2017
(51) B22F 3/105	B23K 26/342	(22) 08.07.2016
B29C 64/153	B29C 64/35	(54) DEVICE FOR GENERATING AN
B29C 64/25	(11) EP3774130	ULTRASONIC OSCILLATION IN A
B29C 64/268	(21) EP19718556.4	TOOL AND MEASURING OSCILLATION
B29C 64/364	(47) 21.09.2022	PARAMETERS
B29C 64/371	(87) US2019026002	(73) DMG MORI Ultrasonic Lasertec GmbH
B33Y 10/00	17.10.2019	(72) KETELAER, Jens
B33Y 30/00	(22) 05.04.2019	(31) 102015212810

(32) 08.07.2015	B23K 26/24	02.06.2016
(33) Germany	B23K 26/064	(22) 14.10.2015
(51) B23C 5/20	B23K 26/082	(54) LASER CUTTING MACHINE
B23C 5/10	H01M 10/058	(73) Bystronic Laser AG
(11) EP3100811	B23K 101/36	(72) BOSSONI, Sergio
(21) EP15743586.8	B23K 103/10	(31) 14194596
(47) 21.09.2022	(11) EP3395490	(32) 24.11.2014
(87) JP2015052066	(21) EP18168790.6	(33) European Patent Office (EPO)
06.08.2015	(47) 21.09.2022	(51) B23P 6/00
(22) 26.01.2015	(22) 23.04.2018	F04D 29/02
(54) INSERT AND INDEXABLE ROTARY CUTTING TOOL	(54) LASER WELDING METHOD AND LASER WELDING APPARATUS	F04D 29/42
(73) MOLDINO Tool Engineering, Ltd.	(73) Toyota Jidosha Kabushiki Kaisha	F04D 29/056
(72) TOUMA Syoujirou	(72) TSUKUI, Akira	(11) EP3800004
(31) 2014171909	(31) 2017089201	(21) EP20210002.0
2014013424	(32) 28.04.2017	(47) 21.09.2022
(32) 26.08.2014	(33) Japan	(22) 12.12.2019
28.01.2014	(51) B23K 26/26	(54) METHOD OF REPAIR TO COMPRESSOR HOUSING AND REPAIRED HOUSING
(33) Japan	B29D 11/00	(73) Hamilton Sundstrand Corporation
Japan	B23K 101/20	(72) BEERS, Craig M.
(51) B23D 45/04	B23K 26/04	BECK, John M.
B27B 5/29	B23K 26/14	ITALIA, Lino S.
(11) EP3546099	B23K 103/10	(31) 201916284178
(21) EP19165772.5	B23K 103/12	(32) 25.02.2019
(47) 21.09.2022	(11) EP2834062	(33) United States of America
(22) 28.03.2019	(21) EP13712451.7	(51) B23P 19/06
(54) MITER SAW	(47) 21.09.2022	(11) EP3195974
(73) Black & Decker Inc.	(87) US2013030641	(21) EP16152183.6
(72) Ceroll, Mr Warren	10.10.2013	(47) 21.09.2022
Lambert, Mr Torrey R	(22) 13.03.2013	(22) 21.01.2016
Salemi, Mr. Corey Jacob	(54) TOOLS FOR MAKING RETROREFLECTIVE ARTICLES	(54) ROBOT TO MOVE A SUPPORT PLATFORM ALONG A FLANGE CONNECTION
(31) 201916353689	(73) 3M Innovative Properties Company	(73) ADMEDE AB
201862648968 P	(72) MARKOWICZ, Przemyslaw P.	(72) JOHST, Kenneth
(32) 14.03.2019	(31) 201261621411 P	JAGD, Lars
28.03.2018	(32) 06.04.2012	MARINITSCH, Gerald
(33) United States of America	(33) United States of America	(51) B23Q 11/08
United States of America	(51) B23K 35/36	B23K 37/00
(51) B23K 1/00	B23K 35/368	(11) EP3389924
B23K 3/02	B23K 35/40	(21) EP16825890.3
B23K 3/04	B23K 35/02	(47) 21.09.2022
B23K 3/06	(11) EP2855081	(87) IB2016057570
H05K 3/34	(21) EP13728279.4	22.06.2017
B23K 101/42	(47) 21.09.2022	(22) 13.12.2016
B23K 3/03	(87) US2013042565	(54) WORK CELL AND LASER-MACHINING CENTRE EQUIPPED WITH SUCH CELL
B23K 3/047	28.11.2013	(73) Prima Industrie S.p.A.
B23K 3/08	(22) 24.05.2013	(72) FORNASERO, Marco
(11) EP3533548	(54) FLUX-CORED TUBULAR WELDING WIRE	(31) UB20159554
(21) EP17863833.4	(73) Hobart Brothers Company	(32) 15.12.2015
(47) 21.09.2022	(72) AMATA, Mario Anthony	(33) Italy
(87) JP2017038263	BUNDY, Joseph C.	(51) B24B 13/005
03.05.2018	BARHORST, Steven Edward	C23C 14/50
(22) 24.10.2017	(31) 201313840614	C23C 16/458
(54) METHOD AND SOLDERING DEVICE FOR DETERMINING THE STATE OF AN IRON TIP	201261651279 P	B29D 11/00
(73) AND Co., Ltd.	(32) 15.03.2013	(11) EP3689543
(72) EBISAWA, Mitsuo	24.05.2012	(21) EP19154471.7
(31) 2016230996	(33) United States of America	(47) 21.09.2022
2016229622	United States of America	(22) 30.01.2019
2016211582	(51) B23K 37/02	(54) DEVICE AND METHOD FOR INSERTING AN OPTICAL LENS INTO A TURNING DEVICE
(32) 29.11.2016	B23K 26/08	(73) Carl Zeiss Vision International GmbH
27.11.2016	B23Q 1/01	(72) Macionczyk, Frank
28.10.2016	B23K 26/38	(51) B25B 13/06
(33) Japan	E04C 3/04	
Japan	(11) EP3223996	
Japan	(21) EP15785189.0	
(51) B23K 26/06	(47) 21.09.2022	
B23K 26/067	(87) IB2015057862	

B25B 23/00	(31) 102019220251	(87) EP2019070648
(11) EP2268454	(32) 19.12.2019	13.02.2020
(21) EP09721763.2	(33) Germany	(22) 31.07.2019
(47) 21.09.2022	(51) B25J 5/00	(54) ROBOT ARM WITH AT LEAST ONE
(87) US2009037420	B25J 11/00	JOINT TORQUE SENSOR
24.09.2009	F16L 55/00	(73) KUKA Deutschland GmbH
(22) 17.03.2009	F16L 55/26	(72) FÜRSTENBERGER, Matthias
(54) DISCONTINUOUS DRIVE POWER	F16L 55/32	ZASCHE, Moritz
TOOL SPINDLE AND SOCKET	F16L 101/10	KOEGEL, Bernhard
INTERFACE	F16L 101/30	KRUMBACHER, Rainer
(73) Stanley Black & Decker, Inc.	B60K 7/00	MARQUART, Michael
(72) LEHNERT, Mark, W.	F16L 55/18	(31) 102018213452
PODSOBINSKI, Paul	G01N 29/22	(32) 09.08.2018
LEHNERT, Lawrence, J.	G01N 29/265	(33) Germany
(31) 37157	(11) EP3684557	(51) B25J 9/16
(32) 17.03.2008	(21) EP18859936.9	(11) EP3802015
(33) United States of America	(47) 21.09.2022	(21) EP19737243.6
(51) B25C 1/04	(87) US2018051723	(47) 21.09.2022
B25C 1/06	28.03.2019	(87) IB2019054763
(11) EP3904008	(22) 19.09.2018	12.12.2019
(21) EP21168238.0	(54) PIPE TRAVERSING APPARATUS AND	(22) 07.06.2019
(47) 21.09.2022	METHODS	(54) A PREDICTIVE CONTROL METHOD OF
(22) 14.04.2021	(73) Arix Technologies, Inc.	A ROBOT AND RELATED CONTROL
(54) NAIL GUN	(72) WEHLIN, Karl Petter	SYSTEM
(73) Nanjing Chervon Industry Co., Ltd.	DUERFELDT, Bryan R.	(73) Politecnico di Milano
(72) HAO, Jingdong	LIU, Dianna D.	Smart Robots S.r.l.
ZHANG, Junliu	VAN DEURSEN, Gary E.	(72) ZANCHETTIN, Andrea Maria
ZHANG, Wei	FOLDY-PORTO, Timothy D.	PIRODDI, Luigi
FU, Xiangqing	(31) 201862687753 P	ROCCO, Paolo
(31) 202110152268	201862616147 P	CASALINO, Andrea
202010301178	201762560265 P	(31) 201800006156
(32) 04.02.2021	(32) 20.06.2018	(32) 08.06.2018
16.04.2020	11.01.2018	(33) Italy
(33) China	19.09.2017	(51) B25J 9/16
China	(33) United States of America	B25J 18/00
(51) B25C 1/08	United States of America	B25J 19/06
(11) EP3393717	United States of America	(11) EP2969406
(21) EP16825379.7	(51) B25J 9/00	(21) EP14723939.6
(47) 21.09.2022	A61F 5/01	(47) 21.09.2022
(87) EP2016081897	(11) EP3504031	(87) US2014031093
29.06.2017	(21) EP17783733.3	18.09.2014
(22) 20.12.2016	(47) 21.09.2022	(22) 18.03.2014
(54) COMBUSTION-DRIVEN SETTING	(87) EP2017073947	(54) SYSTEMS FOR TRACKING A PATH
TOOL AND METHOD FOR OPERATING	13.12.2018	USING THE NULL-SPACE
SUCH A SETTING TOOL	(22) 21.09.2017	(73) Intuitive Surgical Operations, Inc.
(73) Hilti Aktiengesellschaft	(54) DEVICE FOR SUPPORTING BOTH	(72) SWARUP, Nitish
(72) DITTRICH, Tilo	ARMS OF A USER	HOURTASH, Arjang
JUNG, Daniel	(73) Ottobock SE & Co. KGaA	MOHR, Paul
SCHMIDT, Dominik	(72) MIZERA, Oliver	(31) 201361799444 P
BRUGGMUELLER, Peter	KURZWEG, Annedore	(32) 15.03.2013
HEINZE, Philipp	MOSLER, Lüder	(33) United States of America
HEEB, Norbert	FOX, Samantha	(51) B25J 9/16
STAUDACKER, Edwin	SCHIRRMIEISTER, Benjamin	G06N 20/00
(31) 15201895	VOLLBRECHT, Matthias	G06N 3/08
(32) 22.12.2015	KEHNEN, Meike	G06N 3/00
(33) European Patent Office (EPO)	WAGNER, Sonja	G06N 3/04
(51) B25F 5/00	(31) 102017112436	(11) EP3741518
B25F 5/02	(32) 06.06.2017	(21) EP20173409.2
(11) EP3845341	(33) Germany	(47) 21.09.2022
(21) EP20212608.2	(51) B25J 9/10	(22) 07.05.2020
(47) 21.09.2022	B25J 13/08	(54) METHOD AND DEVICE FOR
(22) 09.12.2020	B25J 17/00	AUTOMATICALLY INFLUENCING AN
(54) HANDHELD MACHINE TOOL WITH	F16H 49/00	ACTUATOR
FINGER PROTECTION	F16H 57/029	(73) Robert Bosch GmbH
(73) Robert Bosch GmbH	G01L 5/00	(72) Hoppe, Sabrina
(72) Erbele, Simon	(11) EP3833514	Lou, Zhongyu
Lang, Christian	(21) EP19749310.9	(31) 102019207410
Saur, Dietmar	(47) 21.09.2022	(32) 21.05.2019

(33) Germany	(21) EP19189465.8	(33) United Kingdom
(51) B25J 15/00	(47) 21.09.2022	(51) B29C 44/34
B23P 19/00	(22) 31.07.2019	B29D 35/00
B62D 25/24	(54) RAZOR CARTRIDGE	B29C 35/08
B23P 19/02	(73) BIC Viorex Single Member S.A.	B29D 35/12
(11) EP3833517	(72) Zografos, Georgios	(11) EP3778176
(21) EP19794255.0	Preza, Ionna	(21) EP20196940.9
(47) 21.09.2022	Brette, Thomas	(47) 21.09.2022
(87) IB2019058908	(51) B28D 7/00	(22) 27.10.2016
30.04.2020	B28D 7/04	(54) FOAMED ARTICLE
(22) 18.10.2019	(11) EP3040172	(73) Nike Innovate C.V.
(54) A VEHICLE PART HOLE PATCH	(21) EP15198063.8	(72) FARRIS, Bryan N.
APPLICATOR ARRANGEMENT	(47) 21.09.2022	TURNER, David
(73) TAIKISHA LTD.	(22) 04.12.2015	(31) 201514964914
(72) MOORE, Cameron J.	(54) PLANT AND PROCESS FOR THE	201562248802 P
(31) 201862748854 P	PROCESSING OF A BLOCK	(32) 10.12.2015
(32) 22.10.2018	(73) Pisetta, Remo	30.10.2015
(33) United States of America	Gilli, Walter	(33) United States of America
(51) B25J 15/02	(72) Pisetta, Remo	United States of America
B25J 15/08	Gilli, Walter	(51) B29C 55/28
(11) EP3831550	(31) UB20153817	B29C 55/02
(21) EP19213371.8	TN20140025	B29C 35/04
(47) 21.09.2022	(32) 16.09.2015	F26B 21/00
(22) 03.12.2019	05.12.2014	(11) EP3928957
(54) ELECTROMAGNETICALLY ACTUATED	(33) Italy	(21) EP21172925.6
CLAMPING GRIPPER	Italy	(47) 21.09.2022
(73) KOMP-ACT SA	(51) B29C 39/10	(22) 10.05.2021
(72) FLEMING, Ross	A47C 27/14	(54) BLOWING NOZZLE
JUFER, Marcel	B29C 44/00	(73) Brückner Maschinenbau GmbH & Co. Kg
(51) B25J 19/00	B29L 31/58	(72) Höglauser, Christoph
(11) EP3592512	(11) EP3437819	Waldleitner, Georg
(21) EP18708336.5	(21) EP17773895.2	(31) 102020114029
(47) 21.09.2022	(47) 21.09.2022	(32) 26.05.2020
(87) EP2018052888	(87) JP2017006744	(33) Germany
13.09.2018	05.10.2017	(51) B29C 64/129
(22) 06.02.2018	(22) 23.02.2017	B29C 64/236
(54) AN INDUSTRIAL ROBOT AND A	(54) FOAMED COMPOSITE MOLDING AND	B33Y 10/00
DEVICE FOR TRANSFERRING MEDIA	METHOD FOR MANUFACTURING	B33Y 30/00
FROM THE ROBOT TO A TOOL	FOAMED COMPOSITE MOLDING	B33Y 40/00
(73) Robotautomation Svenska AB	(73) Kaneka Corporation	B29C 64/124
(72) JOHANNESON, Morgan	(72) TOBIMATSU, Yuki	B29C 64/135
(31) 1750250	SAMESHIMA, Masahiko	B29C 64/35
(32) 06.03.2017	(31) 2016066699	B29C 64/188
(33) Sweden	(32) 29.03.2016	B29C 64/264
(51) B25J 19/02	(33) Japan	(11) EP2670572
B65G 1/137	(51) B29C 44/32	(21) EP12741811.9
B25J 9/16	B29C 44/30	(47) 21.09.2022
G06Q 10/08	F16L 59/14	(87) US2012023166
G05B 15/02	B29D 23/00	09.08.2012
G06Q 30/06	B29L 23/00	(22) 30.01.2012
(11) EP3261809	B29K 67/00	(54) APPARATUS FOR MAKING THREE-
(21) EP16756255.2	(11) EP3589472	DIMENSIONAL OBJECTS FROM
(47) 21.09.2022	(21) EP18708994.1	MULTIPLE SOLIDIFIABLE MATERIALS
(87) US2016019301	(47) 21.09.2022	(73) Global Filtration Systems, A DBA of Gulf
01.09.2016	(87) EP2018055295	Filtration Systems Inc.
(22) 24.02.2016	07.09.2018	(72) EL-SIBLANI, Ali
(54) AUTOMATED ORDER FULFILLMENT	(22) 05.03.2018	SHKOLNIK, Alexandr
SYSTEM AND METHOD	(54) PROCESS AND APPARATUS FOR	(31) 201161554846 P
(73) Dematic Corp.	PRODUCING SHAPED PROFILE	201161437851 P
(72) O'BRIEN, Mark D.	SECTIONS	(32) 02.11.2011
BERGHORN, David M.	(73) KINGSPAN HOLDINGS (IRL) LIMITED	31.01.2011
(31) 201562120572 P	(72) RIPLEY, Lynne	(33) United States of America
(32) 25.02.2015	COPPOCK, Vincent	United States of America
(33) United States of America	GOGARTY, Stephen	(51) B29C 64/218
(51) B26B 21/56	OLIVER, David	B29C 64/209
B26B 21/40	HOBBS, Peter	B29C 64/25
(11) EP3771533	(31) 201703466	B29C 64/245
	(32) 03.03.2017	B29C 64/118

B33Y 30/00	(54) AUTOMATICALLY SEALING TIRE SEALANT AND VEHICLE PNEUMATIC TIRE CONTAINING THE TIRE SEALANT	(54) PLANAR COMPOSITE WITH A COVERED HOLE, CONTAINER MADE THEREOF AND PROCESS FOR MAKING IT
B33Y 10/00	(73) Continental Reifen Deutschland GmbH	(73) SIG Technology AG
(11) EP3681720	(72) DAHLKE, Markus	(72) WOLTERS, Michael
(21) EP18746439.1	(72) GUARDALABENE, Joe	(72) PELZER, Stefan
(47) 21.09.2022	(31) 102017201798	(31) 102010006036
(87) US2018041212	(32) 06.02.2017	(32) 27.01.2010
21.03.2019	(33) Germany	(33) Germany
(22) 09.07.2018	(51) B29D 29/08	(51) B31F 1/07
(54) ADDITIVE MANUFACTURING SYSTEM	(11) EP3820686	(11) EP3227101
(73) Thermwood Corporation	(21) EP18742738.0	(21) EP15808109.1
(72) SUSNJARA, Kenneth, J.	(47) 21.09.2022	(47) 21.09.2022
VAAL, Scott, G.	(87) EP2018068690	(87) EP2015025090
SMIDDY, Brian, S.	16.01.2020	09.06.2016
(31) 201715703634	(22) 10.07.2018	(22) 26.11.2015
(32) 13.09.2017	(54) METHOD FOR PRODUCING DRIVING BELTS	(54) TOOL-HOLDER HEAD, TRANSPORT CARRIAGE AND METHOD FOR MOUNTING AND REMOVING A TOOL FOR A UNIT FOR MODIFYING A FLAT MATERIAL
(33) United States of America	(73) Walther Flender GmbH	(73) BOBST MEX SA
(51) B29C 70/18	(72) SCHOLZEN, Andreas, Dr.	(72) ROBADEY, Pierre
B29C 70/40	(51) B30B 9/30	(31) 14020102
B29C 70/54	B65G 65/23	(32) 04.12.2014
C09J 7/20	(11) EP3747643	(33) European Patent Office (EPO)
C09J 7/21	(21) EP20168409.9	(51) B31F 1/26
B29C 70/88	(47) 21.09.2022	B31F 1/32
(11) EP3549750	(22) 07.04.2020	B31F 1/28
(21) EP17877254.7	(54) BALING PRESS WITH MATERIAL FEEDING DEVICE	(11) EP3781392
(47) 21.09.2022	(73) Strautmann Gépgyártó Hungária KFT	(21) EP19712493.6
(87) CN2017109233	(72) STRAUTMANN, Wolfgang	(47) 21.09.2022
07.06.2018	STRAUTMANN, Dominik	(87) US2019021742
(22) 03.11.2017	STRAUTMANN, Philipp	24.10.2019
(54) HEAT RESISTANT COMPOSITE SHEET AND MANUFACTURING METHOD THEREFOR	(31) 102019109899	(22) 12.03.2019
(73) Nitto Denko (Shanghai Songjiang) Co., Ltd.	(32) 15.04.2019	(54) APPARATUS FOR PRODUCING A CORRUGATED PRODUCT
Nitto Denko Corporation	(33) Germany	(73) INTPRO, LLC
(72) Li, Xu	(51) B30B 15/02	(72) KOHLER, Herbert, B.
WATANABE, Yoshinori	B21D 37/20	(31) 201862658642 P
TIAN, Song	B30B 1/18	(32) 17.04.2018
(31) 201611081446	B30B 15/14	(33) United States of America
(32) 30.11.2016	B21D 22/02	(51) B32B 5/02
(33) China	B21D 37/12	B32B 5/18
(51) B29C 70/30	B30B 15/00	B32B 5/24
B29C 70/68	(11) EP3059079	B32B 7/02
B29C 70/46	(21) EP14854379.6	B32B 7/08
B29D 99/00	(47) 21.09.2022	B32B 27/06
B29L 31/08	(87) JP2014004652	B32B 27/12
F01D 5/28	23.04.2015	B32B 27/30
(11) EP3542999	(22) 10.09.2014	B32B 27/32
(21) EP19157125.6	(54) PRESS DEVICE AND PRESS DEVICE PRODUCTION METHOD	B60R 21/00
(47) 21.09.2022	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(11) EP3533600
(22) 14.02.2019	(72) HIDAKA, Koichi	(21) EP18159405.2
(54) METHOD OF MANUFACTURING A COMPOSITE FAN BLADE.	ASADACHI, Hideki	(47) 21.09.2022
(73) Rolls-Royce plc	(31) 2013215540	(22) 01.03.2018
(72) Gill, Vincent	(32) 16.10.2013	(54) COMPOSITE STRUCTURE FOR AN AIRBAG COVER AND SEWN PRODUCT WITH THE COMPOSITE STRUCTURE
(31) 201803802	(33) Japan	(73) Bayerische Motoren Werke Aktiengesellschaft
(32) 09.03.2018	(51) B31B 50/84	TMG - Tecidos Plásticos e Outros Revestimentos Para a Indústria Automóvel, SA
(33) United Kingdom	B65D 5/72	(72) de Pinho, Elizabete Silva, Luis Filipe
(51) B29C 73/16	B29C 65/02	
B60C 19/12	B32B 27/10	
B29C 73/20	B32B 27/32	
(11) EP3576929	(11) EP2528731	
(21) EP17816856.3	(21) EP11702582.5	
(47) 21.09.2022	(47) 21.09.2022	
(87) EP2017083414	(87) EP2011000345	
09.08.2018	04.08.2011	
(22) 19.12.2017	(22) 26.01.2011	

Gonçalves, Valério	(11) EP3686715	(33) Germany
Burk, Julia	(21) EP18858672.1	(51) B41J 2/14
Marquardt, Tom	(47) 21.09.2022	B41J 2/18
(51) B32B 7/00	(87) KR2018009985	(11) EP3800053
B32B 7/02	28.03.2019	(21) EP19825778.4
B32B 7/10	(22) 29.08.2018	(47) 21.09.2022
B32B 7/12	(54) DISPLAY DEVICE INCLUDING	(87) JP2019024944
B32B 27/00	ADHESION REDUCTION LAYER	02.01.2020
B32B 27/06	HAVING MICRO PROTRUSION	(22) 24.06.2019
B32B 27/18	PATTERN	(54) FLUID DISCHARGE HEAD AND
B32B 27/28	(73) Kim, Young Su	RECORDING DEVICE
B32B 27/30	(72) Kim, Young Su	(73) Kyocera Corporation
B32B 27/32	(31) 20170123042	(72) KANEKO, Yusaku
B32B 27/34	(32) 23.09.2017	IKEUCHI, Wataru
B32B 27/36	(33) Korea (Republic)	(31) 2018124728
B32B 1/00	(51) B32B 37/20	(32) 29.06.2018
C01B 11/02	B32B 15/08	(33) Japan
C01B 7/01	(11) EP3427926	(51) B41J 2/165
C01B 13/10	(21) EP17763151.2	B41J 2/175
A01N 59/00	(47) 21.09.2022	B41J 29/13
A01N 59/02	(87) JP2017008678	(11) EP3436274
A23L 3/3409	14.09.2017	(21) EP16910160.7
(11) EP3347198	(22) 06.03.2017	(47) 21.09.2022
(21) EP16757808.7	(54) METHOD FOR PRODUCING METAL-	(87) CN2016092223
(47) 21.09.2022	CLAD LAMINATE, AND METAL-CLAD	01.02.2018
(87) US2016047603	LAMINATE	(22) 29.07.2016
23.02.2017	(73) Kuraray Co., Ltd.	(54) PRINTING DEVICE, COMPUTER
(22) 18.08.2016	(72) NAKASHIMA, Takahiro	READABLE MEDIUM AND PRINTING
(54) METHODS AND COMPOSITIONS FOR	TAKAHASHI, Takeshi	METHOD
ON-DEMAND RELEASE OF CLO2 GAS	ONODERA, Minoru	(73) Hewlett-Packard Development Company,
FROM UV-ACTIVATED CHLORITE ION	(31) 2016044549	L.P.
(73) Wisconsin Alumni Research Foundation	(32) 08.03.2016	(72) WU, Xin-Ling
Bemis Company, Inc.	(33) Japan	FANG, Ying
(72) ABBOTT, Nicholas	(51) B33Y 70/00	CHANG, Wei-Fei
JAIN, Rishabh	C08F 220/30	TANG, Qiang
NELSON, Kevin	C08F 222/10	(51) B41J 2/175
BUSCHE, David	C09D 4/00	(11) EP3445705
LYNN, David	G02B 1/04	(21) EP17720387.4
(31) 201562206464 P	(11) EP3850019	(47) 21.09.2022
(32) 18.08.2015	(21) EP19791315.5	(87) EP2017059093
(33) United States of America	(47) 21.09.2022	26.10.2017
(51) B32B 15/00	(87) FR2019052069	(22) 18.04.2017
C21D 9/46	19.03.2020	(54) METHOD AND FILLING DEVICE FOR
(11) EP3587105	(22) 09.09.2019	FILLING A TRANSPORT CONTAINER
(21) EP19185743.2	(54) LOW-VISCOSITY CROSSLINKABLE	WITH A FLUID
(47) 21.09.2022	COMPOSITIONS FOR COATINGS	(73) Merck Patent GmbH
(22) 30.10.2006	AND MATERIALS HAVING A	(72) HAUKE, Guenter
(54) COATED STEEL STRIPS, METHODS	HIGH REFRACTIVE INDEX AND	GARCIA DIEZ, Leticia
OF MAKING THE SAME, METHODS	A HIGH THERMAL DEFLECTION	HILARIUS, Volker
OF USING THE SAME, STAMPING	TEMPERATURE	(31) 102016004612
BLANKS PREPARED FROM THE	(73) ARKEMA FRANCE	(32) 19.04.2016
SAME, STAMPED PRODUCTS	(72) MONNIER, Guillaume	(33) Germany
PREPARED FROM THE SAME, AND	(31) 1858126	(51) B42D 25/24
ARTICLES OF MANUFACTURE	(32) 11.09.2018	B42D 25/346
WHICH CONTAIN SUCH A STAMPED	(33) France	B42D 25/351
PRODUCT	(51) B41J 2/045	(11) EP3840957
(73) ArcelorMittal	(11) EP3720719	(21) EP19748926.3
(72) DRILLET, Pascal	(21) EP18827251.2	(47) 21.09.2022
SPEHNER, Dominique	(47) 21.09.2022	(87) GB2019052111
KEFFERSTEIN, Ronald	(87) IB2018059616	27.02.2020
(51) B32B 27/08	13.06.2019	(22) 29.07.2019
B32B 27/28	(22) 04.12.2018	(54) A SECURITY SHEET AND A SECURITY
B32B 27/30	(54) PRINTING METHOD FOR A DIGITAL	BOOKLET
B32B 27/32	PRINTING DEVICE	(73) HID CID LIMITED
B32B 27/36	(73) Franck, Jan	(72) TEMPEST, David Ian
G02F 1/1333	(72) Franck, Jan	(31) 201813874
G06F 3/041	(31) 102017011197	(32) 24.08.2018
B32B 7/12	(32) 05.12.2017	

(33) United Kingdom	02.07.2020	VALLURI, Advait
(51) B42D 25/328	(22) 24.12.2019	IDELEVITCH, Vladimir
B42D 25/41	(54) ASSEMBLY FOR A TYRE, TYRE AND	WILDE, Marcus
B42D 25/351	ASSOCIATED MANUFACTURING	(31) 102018209418
G02B 5/18	METHODS	102017220312
B23K 26/00	(73) COMPAGNIE GENERALE DES	(32) 13.06.2018
B32B 7/02	ETABLISSEMENTS MICHELIN	15.11.2017
B42D 25/45	(72) LIMOZIN, Bastien	(33) Germany
B42D 25/324	RIGO, Sébastien	Germany
B42D 25/455	CORNILLE, Richard	(51) B60K 1/04
B42D 25/46	(31) 1874105	B62D 37/04
(11) EP3444645	(32) 24.12.2018	B60F 3/00
(21) EP17782498.4	(33) France	B62D 61/02
(47) 21.09.2022	(51) B60C 11/24	B62D 61/00
(87) JP2017015237	(11) EP3800073	B60K 7/00
19.10.2017	(21) EP20199791.3	(11) EP3853112
(22) 14.04.2017	(47) 21.09.2022	(21) EP19773913.9
(54) LAMINATE, PERSONAL	(22) 02.10.2020	(47) 21.09.2022
AUTHENTICATION MEDIUM, AND	(54) TIRE WEAR MEASURING APPARATUS	(87) IB2019056715
METHOD FOR MANUFACTURING	USING IRREGULARITY OF TIRE	26.03.2020
LAMINATE	ACCELERATION SIGNAL AND TIRE	(22) 07.08.2019
(73) Toppan Printing Co., Ltd.	WEAR MEASURING METHOD USING	(54) TWO-WHEEL VEHICLE WITH
(72) MINAMIKAWA, Naoki	SAME	INDEPENDENT INTERNAL
(31) 2016081361	(73) HANKOOK TIRE & TECHNOLOGY CO.,	MOTORIZED PROPULSION TROLLEYS
(32) 14.04.2016	LTD	(73) Def-Tech SAS, di Cimino Gabriella
(33) Japan	Korea Advanced Institute Of Science And	(72) DE FRANCESCO, Eduardo
(51) B44C 3/02	Technology	DE FRANCESCO, Ettore
B32B 37/00	(72) KIM, Min Tae	DE FRANCESCO, Ruggero
B32B 38/06	LEE, Ho Jong	(31) 201800008680
B44C 5/04	CHOI, Sei Bum	(32) 18.09.2018
(11) EP2346700	JEONG, Da Sol	(33) Italy
(21) EP09756777.0	LEE, Jong Hyup	(51) B60K 6/46
(47) 21.09.2022	(31) 20190122342	B60K 25/02
(87) GB2009051413	(32) 02.10.2019	B62D 55/00
29.04.2010	(33) Korea (Republic)	E01H 4/02
(22) 20.10.2009	(51) B60C 23/04	B60K 6/26
(54) PATTERNED COMPOSITE PRODUCT	H01Q 1/22	B60K 6/34
(73) Acell Industries Limited	(11) EP3548312	(11) EP3736154
(72) ALBERTELLI, Aldino	(21) EP17812031.7	(21) EP20160343.8
FRIEH, Michael	(47) 21.09.2022	(47) 21.09.2022
(31) 0819210	(87) FR2017053269	(22) 02.03.2020
(32) 20.10.2008	14.06.2018	(54) PISTE CATERPILLAR
(33) United Kingdom	(22) 28.11.2017	(73) Kässbohrer Geländefahrzeug AG
(51) B60C 1/00	(54) RADIOFREQUENCY COMMUNICATION	(72) Kuhn, Michael
B60C 11/00	MODULE FOR A TIRE	(31) 102019206459
(11) EP3655260	(73) Compagnie Générale des	(32) 06.05.2019
(21) EP18755509.9	Etablissements Michelin	(33) Germany
(47) 21.09.2022	(72) DESTRAVES, Julien	(51) B60K 6/48
(87) FR2018051801	TOURENNE, Annabel	B60K 6/365
24.01.2019	NOEL, Sebastien	B60K 6/543
(22) 16.07.2018	CLERGEAT, Jean-Mathieu	B60K 6/40
(54) TYRE HAVING IMPROVED WEAR AND	(31) 1661927	(11) EP3810451
ROLLING RESISTANCE PROPERTIES	(32) 05.12.2016	(21) EP19736585.1
(73) Compagnie Générale des	(33) France	(47) 21.09.2022
Etablissements Michelin	(51) B60G 3/06	(87) EP2019025194
(72) THOMASSON, Damien	B60K 7/00	26.12.2019
GAYTON, Christophe	B62D 21/10	(22) 21.06.2019
(31) 1756981	(11) EP3710289	(54) HYBRID POWERTRAIN WITH A
(32) 21.07.2017	(21) EP18799692.1	VARIABLE TRANSMISSION
(33) France	(47) 21.09.2022	(73) Robert Bosch GmbH
(51) B60C 9/02	(87) EP2018079757	(72) KLASSEN, Amo
B60C 7/12	23.05.2019	VAN DER LEEST, Arjan
B60C 7/14	(22) 30.10.2018	VAN LAERHOVEN, Joost
B60C 3/02	(54) SINGLE-WHEEL DRIVE COMPONENT	ROELOFFZEN, Erik
(11) EP3902692	FOR A MOTOR VEHICLE AND	VAN DEN BOER, Matijs
(21) EP19853288.9	CORRESPONDING MOTOR VEHICLE	DAS, Paul
(47) 21.09.2022	(73) Audi AG	FRAMBACH, Luc
(87) FR2019053297	(72) SCHMALZRIETH, Sven	BRANDSMA, Arjen

(31) 1042909 19020107	(51) B60K 35/00 B60K 37/06	(22) 12.02.2019
(32) 22.06.2018 06.03.2019	B60R 11/04 G02B 27/01	(54) DECORATIVE COMPOSITE BODY
(33) Netherlands European Patent Office (EPO)	B60K 37/04 G01C 21/36	(73) D. Swarovski KG
(51) B60K 35/00 B60K 6/22 B60K 6/48 B60K 6/52 B60L 3/00 B60W 10/06 B60W 20/00 B60W 50/14 B60K 6/442 B60K 17/356 G01F 9/00	B60R 11/00 (11) EP3450241 (21) EP18185642.8 (47) 21.09.2022 (2) 26.07.2018 (54) SYSTEM AND METHOD FOR MOTION ONSET CONSUMER FOCUS SUGGESTION	(72) LEBER, Annemarie WOERDENWEBER, Jan MAGERL, Cornelius NISSEN, Dennis
(11) EP3020590 (21) EP14823759.7 (47) 21.09.2022 (87) JP2014068621 15.01.2015	(73) Harman International Industries, Incorporated (72) GARCIA, Juan ROZMAN, Aleks (31) 201715670049 (32) 07.08.2017 (33) United States of America	(31) 18156544 (32) 13.02.2018 (33) European Patent Office (EPO)
(22) 11.07.2014 (54) POSSIBLE TRAVEL DISTANCE CALCULATION DEVICE	(51) B60K 35/00 G02B 27/01 G02F 1/15 G02B 1/115 G02B 5/23 G02F 1/157	(51) B60L 53/14 B60L 53/22 B60L 53/30 B60L 53/31 B60L 53/51 B60L 53/53 B60L 55/00 H02J 7/34 H02J 7/35 H02J 7/02
(73) Mitsubishi Jidosha Kogyo Kabushiki Kaisha Mitsubishi Jidosha Engineering Kabushiki Kaisha	(11) EP3310608 (21) EP16812430.3 (47) 21.09.2022 (87) US2016037858 22.12.2016	(11) EP3467990 (21) EP18181072.2 (47) 21.09.2022 (2) 02.07.2018 (54) ENERGY SUPPLY DEVICE FOR PROVIDING ELECTRICAL ENERGY FOR AT LEAST ONE TERMINAL AND METHOD FOR OPERATING AN ENERGY SUPPLY DEVICE
(72) IWAYA, Norifumi NARUSE, Tadashi	(22) 16.06.2016 (54) HEADS UP DISPLAY SYSTEM	(73) AUDI AG (72) Graßl, Tobias (31) 102017217729 (32) 05.10.2017 (33) Germany
(31) 2013145871 (32) 11.07.2013 (33) Japan	(73) Gentex Corporation (72) SAENGER NAYVER, Mario F. NEUMAN, George A. CAMMENGA, David J.	(51) B60L 53/18 B60L 53/302 H01B 7/00 H01B 7/42 H01R 13/00 H01B 9/00 B60L 53/16 H01R 13/58
(51) B60K 35/00 B60K 37/02 B60W 40/04 B60W 60/00 G05D 1/02 G01S 11/14 G01H 5/00	(31) 201562205376 P 201562180386 P (32) 14.08.2015 16.06.2015 (33) United States of America United States of America	(11) EP3686048 (21) EP20000007.3 (47) 21.09.2022 (2) 09.01.2020 (54) STRAIN RELIEF FOR A CABLE HOSE
(11) EP3771588 (21) EP20177609.3 (47) 21.09.2022 (22) 29.05.2020 (54) PROCESSING DATA FOR DRIVING AUTOMATION SYSTEM	(51) B60K 37/02 B60K 35/00 (11) EP3936364 (21) EP21181779.6 (47) 21.09.2022 (22) 25.06.2021 (54) INSTRUMENT DEVICE FOR A VEHICLE	(73) HARTING Automotive GmbH (72) Beimdieck, Carsten Frerking, Malte Bruland, Alexander (31) 102019101979 (32) 28.01.2019 (33) Germany
(73) BlackBerry Limited (72) BOULTON, Adam John (31) 201910864 (32) 30.07.2019 (33) United Kingdom	(73) Yazaki Corporation (72) TAKAMATSU, Masahiro NAGATA, Masahide TERAO, Masanobu KANAI, Takao	(51) B60N 2/01 B60N 2/68 B62D 21/10 B62D 21/12 B62D 25/20
(51) B60K 35/00 B60K 37/06 B60H 1/00	(31) 2020116093 (32) 06.07.2020 (33) Japan	(11) EP3814169 (21) EP19734337.9 (47) 21.09.2022 (87) EP2019066742 02.01.2020 (22) 25.06.2019 (54) VEHICLE SEATING SET-UP, VEHICLE SEATING SYSTEM AND AUTOMOTIVE VEHICLE
(11) EP3730334 (21) EP20171079.5 (47) 21.09.2022 (22) 23.04.2020 (54) DEVICE FOR CONTROLLING FOR A MOTOR VEHICLE, ASSOCIATED MOTOR VEHICLE, CONTROL METHOD AND COMPUTER PROGRAM	(51) B60K 37/06 H03K 17/96 A44C 17/00 (11) EP3752383 (21) EP19710282.5 (47) 21.09.2022 (87) EP2019053457 22.08.2019	
(73) TRANSDEV GROUP INNOVATION (72) DARNAUD, Thomas (31) 1904368 (32) 25.04.2019 (33) France		

- (73) VOLKSWAGEN  
AKTIENGESELLSCHAFT
- (72) BOY, Hans-Joachim  
ANDERSCH, Sten  
SCHULZ, Axel  
SCHILLING, Thomas
- (31) 102018210442  
(32) 27.06.2018  
(33) Germany
- 
- (51) B60N 2/56  
H04L 12/403  
H04L 12/417
- (11) EP3880512  
(21) EP19805236.7  
(47) 21.09.2022  
(87) EP2019081286  
22.05.2020  
(22) 14.11.2019
- (54) VEHICLE SEAT WITH A VENTILATION  
DEVICE WHICH COMPRISES AT  
LEAST TWO FANS
- (73) VOLKSWAGEN  
AKTIENGESELLSCHAFT
- (72) PFEIFFER, Sascha Alexander
- (31) 102018219495  
(32) 15.11.2018  
(33) Germany
- 
- (51) B60P 1/54  
B66F 9/00  
B66C 13/00
- (11) EP3468836  
(21) EP17809791.1  
(47) 21.09.2022  
(87) FI2017050420  
14.12.2017  
(22) 07.06.2017
- (54) LOAD HANDLING DEVICE FOR A  
TRANSPORTATION UNIT, AND A  
TRANSPORTATION UNIT WITH SAID  
DEVICE
- (73) Lifthanger Finland Oy
- (72) HAVAS, Pertti Tapio  
KARVOLA, Jari Antero  
KOLIVUORI, Pekka Eljas Ylermi
- (31) 20174065 U  
20165479  
(32) 09.03.2017  
10.06.2016  
(33) Finland  
Finland
- 
- (51) B60R 1/00  
G06F 9/00
- (11) EP3480061  
(21) EP18204044.4  
(47) 21.09.2022  
(22) 02.11.2018
- (54) A METHOD OF INTEGRATING DRIVER  
ASSISTANCE SYSTEMS IN VEHICLES,  
CORRESPONDING SYSTEM, CIRCUIT,  
KIT AND VEHICLE
- (73) STMicroelectronics S.r.l.
- (72) GALLUZZI, Alessandro Vittorio  
PARISI, Riccardo
- (31) 201700126520  
(32) 07.11.2017  
(33) Italy
- 
- (51) B60R 1/00  
G06F 9/00
- (11) EP3480060  
(21) EP18204029.5  
(47) 21.09.2022  
(22) 02.11.2018
- (54) A METHOD OF INTEGRATING  
CAMERAS IN VEHICLES,  
CORRESPONDING SYSTEM, CIRCUIT,  
KIT AND VEHICLE
- (73) STMicroelectronics S.r.l.
- (72) GALLUZZI, Mr. Alessandro Vittorio  
PARISI, Mr. Riccardo
- (31) 201700126492  
(32) 07.11.2017  
(33) Italy
- 
- (51) B60R 1/074
- (11) EP3653442  
(21) EP18382810.2  
(47) 21.09.2022  
(22) 15.11.2018
- (54) ACTUATOR FOR AN ELECTRIC  
FOLDING REAR-VIEW MIRROR FOR  
MOTOR VEHICLES
- (73) Fico Mirrors S.A.
- (72) Mendoza Vicioso, José
- 
- (51) B60R 1/08  
B60R 1/02  
B60R 1/06  
G08G 1/16
- (11) EP3414130  
(21) EP17750518.7  
(47) 21.09.2022  
(87) SE2017050108  
17.08.2017  
(22) 07.02.2017
- (54) METHOD AND CONTROL UNIT FOR  
REAR VIEW
- (73) Scania CV AB
- (72) WIKSTRÖM, Fredrik  
JOHANSSON, Jonny  
DYRELIUS, Erik  
BACK, Per
- (31) 1650165  
(32) 10.02.2016  
(33) Sweden
- 
- (51) B60R 13/02
- (11) EP3710314  
(21) EP18795492.0  
(47) 21.09.2022  
(87) EP2018079266  
23.05.2019  
(22) 25.10.2018
- (54) TRIMMING SYSTEM, METHOD FOR  
PRODUCING A TRIMMED MOTOR  
VEHICLE BODY, AND MOTOR  
VEHICLE
- (73) Volkswagen Aktiengesellschaft
- (72) RÖSEMANN, Harald  
PASCHKE, Jennifer  
KAMP, Marcus
- (31) 102017220496  
(32) 16.11.2017  
(33) Germany
- 
- (51) B60R 25/02
- (11) EP2394871  
(21) EP11168608.5  
(47) 21.09.2022  
(22) 02.06.2011
- (54) Key interlock device
- (73) KABUSHIKI KAISHA TOKAI RIKAI  
DENKI SEISAKUSHO
- (72) Tamezane, Takumi  
Yoshida, Hiroshi  
Nomichi, Daisuke
- (31) 2010131109  
(32) 08.06.2010  
(33) Japan
- 
- (51) B60T 7/04  
B60T 13/66  
B60T 13/68  
B60T 8/40
- (11) EP3630559  
(21) EP18728459.1  
(47) 21.09.2022  
(87) IB2018053172  
06.12.2018  
(22) 08.05.2018
- (54) BRAKING SYSTEM FOR BRAKE BY  
WIRE VEHICLES PROVIDED WITH  
HYDRAULIC FEEDBACK SIMULATOR,  
AND ACTUATION METHOD OF A  
BRAKING SYSTEM FOR VEHICLES
- (73) BREMBO S.p.A.
- (72) D'URSO, Luca  
DI STEFANO, Massimo  
GALIZZI, Valerio  
ALEMANNO, Fabio  
DOZZI, Francesco  
SZEWCZYK, Beniamin
- (31) 201700059733  
(32) 31.05.2017  
(33) Italy
- 
- (51) B60T 7/06  
B60T 15/04
- (11) EP3877225  
(21) EP19795467.0  
(47) 21.09.2022  
(87) EP2019078187  
14.05.2020  
(22) 17.10.2019
- (54) FOOT OPERATED BRAKE VALVE FOR  
AIR PRESSURE BRAKE SYSTEM
- (73) ZF CV Systems Europe BV
- (72) BEIER, Peter  
COUPPEE, Ulrich  
HÖLSCHER, Reiner  
MARTINI, Gerhard  
RIEDIGER-JANISCH, Karl-Heinz  
BINDSEIL, Olaf  
ELZE, Petra  
FABIAN, Alexander  
GLONDAJEWSKI, Gerrit  
HOMANN, Sven  
HÖRSTMANN, Jan  
MÜLLER, Thomas
- (31) 102018127907  
(32) 08.11.2018  
(33) Germany
- 
- (51) B60T 7/12
- (11) EP3835148  
(21) EP19215977.0  
(47) 21.09.2022  
(22) 13.12.2019
- (54) SYSTEM AND METHOD FOR  
AUTOMATICALLY STOPPING AN  
AUTONOMOUS VEHICLE

(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	(72) BEIER, Peter DREYER, Werner ELZE, Petra FABIAN, Alexander HOMANN, Sven HÖRSTMANN, Jan MARTENS, Bettina MARTINI, Gerhard RIEDIGER-JANISCH, Karl-Heinz	(54) HYBRID POWERTRAIN SYSTEM WITH TRANSFER CASE
(72) ZOLTAN, Toth UDVARDY, Oliver PÉTER, Simon GÁBOR, Tóth	(31) 102015016658 (32) 19.12.2015 (33) Germany	(73) FCA US LLC (72) SMYCZYNSKI, Robert PATEL, Nadirsh SENF, Stefan
(51) B60T 8/1766 B60T 8/17 B60T 8/18	(31) 201816190514 201762587907 P (32) 14.11.2018 17.11.2017 (33) United States of America United States of America	(31) 201816190514 201762587907 P (32) 14.11.2018 17.11.2017 (33) United States of America United States of America
(11) EP3812224 (21) EP19205103.5 (47) 21.09.2022 (22) 24.10.2019	(51) B60T 17/08 (11) EP3033256 (21) EP14772472.8 (47) 21.09.2022 (87) TR2014000237 19.02.2015 (22) 02.07.2014 (54) IMPROVED SEALING SYSTEM DEVELOPED FOR SPRING BRAKE CHAMBERS PROVIDING LENGTH ADVANTAGE	(51) B60W 30/12 B60W 30/095 B60W 30/045 B60W 10/04 B60W 10/18 B60W 10/20 B62D 6/00 B62D 101/00 B62D 103/00 B62D 109/00 B62D 111/00 B62D 113/00 B62D 137/00 B60W 50/00 B60W 50/14 B60W 30/02 B60W 30/18
(54) METHOD OF MULTI-ASPECT AXLE BRAKE FORCE DISTRIBUTION ON COMMERCIAL TOWING VEHICLES WITH ELECTRONICALLY CONTROLLED BRAKE SYSTEM	(73) Arfesan Arkan Fren Elemanlari Sanayi Ve Ticaret A.S. (72) ARKAN, Fuat Burtan BATTAL, Yavuz KULAC, Omer Faruk	(11) EP3281832 (21) EP16776379.6 (47) 21.09.2022 (87) JP2016058224 13.10.2016 (22) 16.03.2016 (54) TRAVEL CONTROL DEVICE FOR VEHICLE
(73) KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH	(31) 201309790 (32) 15.08.2013 (33) Turkey	(73) Hitachi Astemo, Ltd. (72) NAGATSUKA Keiichiro INNAMI Toshiyuki
(72) CSERHALMI, György	(51) B60T 17/08 F16D 65/28 (11) EP3753795 (21) EP19181408.6 (47) 21.09.2022 (22) 20.06.2019 (54) LOCKING ELEMENT OF A BRAKE ACTUATOR HOUSING	(31) 2015081209 (32) 10.04.2015 (33) Japan
(51) B60T 8/32 (11) EP3571103 (21) EP18701401.4 (47) 21.09.2022 (87) EP2018050312 26.07.2018 (22) 08.01.2018	(73) ZF CV Systems Europe BV (72) ZBYLUT, Michal GAWLIK, Rafal	(31) 2015081209 (32) 10.04.2015 (33) Japan
(54) REGENERATIVE BRAKING SYSTEM FOR A VEHICLE AND METHOD FOR OPERATING A REGENERATIVE BRAKING SYSTEM OF A VEHICLE	(31) 102017200707 (32) 18.01.2017 (33) Germany	(51) B60W 30/16 B60W 50/10 (11) EP3683114 (21) EP19220253.9 (47) 21.09.2022 (22) 31.12.2019 (54) DRIVING ASSISTANCE APPARATUS
(73) Robert Bosch GmbH	(73) ZF CV Systems Europe BV (72) SCHUPPERT, Fabian	(73) Toyota Jidosha Kabushiki Kaisha (72) IKEZAWA, Yuta TOCHIGI, Kohei ITO, Shogo
(72) BAUER, Gottfried OVERZIER, Frank BODMANN, Jochen STEPHAN, Thilo LAIBLE, Ulrich	(51) B60T 11/32 B60T 17/04 B60T 17/18 (11) EP3686074 (21) EP20152577.1 (47) 21.09.2022 (22) 20.01.2020 (54) MULTI-CIRCUIT SAFETY VALVE FOR A COMPRESSED AIR SYSTEM	(31) 2019004190 (32) 15.01.2019 (33) Japan
(31) 102017200707 (32) 18.01.2017 (33) Germany	(73) ZF CV Systems Europe BV (72) RICHE, Janik	(51) B60W 50/14 B60W 40/08 B60W 30/18 B60W 50/10 B60W 60/00 B60W 30/10 (11) EP3816966 (21) EP18924984.0 (47) 21.09.2022 (87) JP2018024093 02.01.2020
(51) B60T 11/32 B60T 17/04 B60T 17/18	(51) B60T 17/12 (11) EP3862237 (21) EP20156176.8 (47) 21.09.2022 (22) 07.02.2020 (54) SAFETY DEVICE FOR VEHICLE	(31) 2015081209 (32) 10.04.2015 (33) Japan
(11) EP3686074 (21) EP20152577.1 (47) 21.09.2022 (22) 20.01.2020	(73) ZF CV Systems Europe BV (72) RICHE, Janik	(51) B60W 50/14 B60W 40/08 B60W 30/18 B60W 50/10 B60W 60/00 B60W 30/10 (11) EP3816966 (21) EP18924984.0 (47) 21.09.2022 (87) JP2018024093 02.01.2020
(54) MULTI-CIRCUIT SAFETY VALVE FOR A COMPRESSED AIR SYSTEM	(51) B60W 20/40 B60W 30/18 B60W 10/02 B60W 10/06 B60W 10/08 B60W 10/111 B60W 10/115 B60K 6/48 B60K 6/387 B60K 6/547 B60W 10/119 (11) EP3710326 (21) EP18812584.3 (47) 21.09.2022 (87) US2018061427 23.05.2019 (22) 16.11.2018	(51) B60W 50/14 B60W 40/08 B60W 30/18 B60W 50/10 B60W 60/00 B60W 30/10 (11) EP3816966 (21) EP18924984.0 (47) 21.09.2022 (87) JP2018024093 02.01.2020
(73) ZF CV Systems Europe BV	(73) ZF CV Systems Europe BV (72) SCHUPPERT, Fabian	(73) Toyota Jidosha Kabushiki Kaisha (72) IKEZAWA, Yuta TOCHIGI, Kohei ITO, Shogo
(51) B60T 15/04 B60T 15/18 F16K 1/06 (11) EP3390183 (21) EP16794212.7 (47) 21.09.2022 (87) EP2016001851 22.06.2017 (22) 09.11.2016	(51) B60T 17/08 F16D 65/28 (11) EP3753795 (21) EP19181408.6 (47) 21.09.2022 (22) 20.06.2019 (54) LOCKING ELEMENT OF A BRAKE ACTUATOR HOUSING	(31) 2015081209 (32) 10.04.2015 (33) Japan
(54) DEVICE FOR INCREASING THE BLEEDING RATE OF A PNEUMATIC CONTROL VALVE	(73) ZF CV Systems Europe BV	(51) B60W 50/14 B60W 40/08 B60W 30/18 B60W 50/10 B60W 60/00 B60W 30/10 (11) EP3816966 (21) EP18924984.0 (47) 21.09.2022 (87) JP2018024093 02.01.2020

(22) 26.06.2018	(32) 06.06.2018	(72) NILSSON, Peter
(54) DRIVING ASSISTANCE METHOD AND DRIVING ASSISTANCE DEVICE	(33) China	LAINE, Leo
(73) Nissan Motor Co., Ltd.	(51) B62B 5/06	(31) PCT/EP2017/071443
(72) TANIGUCHI, Yohei	B62B 3/14	(32) 25.08.2017
(51) B61D 19/02	(11) EP3416868	(33) World Intellectual Property Office (WIPO)
E05F 1/06	(21) EP17705616.5	(51) B62D 15/02
B60J 5/02	(47) 21.09.2022	G01D 5/14
(11) EP3696043	(87) EP2017053495	(11) EP3649039
(21) EP20153931.9	24.08.2017	(21) EP18828777.5
(47) 21.09.2022	(22) 16.02.2017	(47) 21.09.2022
(22) 27.01.2020	(54) TRANSPORT TROLLEY	(87) SE2018050699
(54) EMERGENCY DOOR FOR A RAIL VEHICLE	(73) Wanzl GmbH & Co. KGaA	10.01.2019
(73) EH Holding GmbH	(72) GASCHKE, Thomas	(22) 28.06.2018
(72) Hochwarter, Erwin	STÖCKLE, Dieter	(54) STEERING WHEEL SENSOR UNIT COMPRISING A RING MAGNET
(31) 500652019	TATIC, Aleksandar	(73) Allied Motion Stockholm AB
(32) 29.01.2019	(31) 102016102739	(72) OLSEN, Erik
(33) Austria	(32) 17.02.2016	(31) 1750866
(51) B61F 3/16	(33) Germany	(32) 03.07.2017
B61F 5/38	(51) B62D 5/00	(33) Sweden
(11) EP3684668	B62D 6/00	(51) B62D 21/12
(21) EP18779319.5	(11) EP3934964	B62D 27/06
(47) 21.09.2022	(21) EP20708475.7	B62D 63/02
(87) EP2018075645	(47) 21.09.2022	(11) EP3696057
28.03.2019	(87) EP2020055448	(21) EP20153882.4
(22) 21.09.2018	10.09.2020	(47) 21.09.2022
(54) RUNNING GEAR WITH A STEERING ACTUATOR, ASSOCIATED RAIL VEHICLE AND CONTROL METHOD	(22) 02.03.2020	(22) 27.01.2020
(73) Bombardier Transportation GmbH	(54) METHOD FOR CONTROLLING A STEER-BY-WIRE STEERING SYSTEM AND STEER-BY-WIRE STEERING SYSTEM FOR A MOTOR VEHICLE	(54) MODULAR VEHICLE CHASSIS WITH REAR FRAME OVERHANG
(72) DEDE, Jani	(73) thyssenkrupp AG	(73) MAN Truck & Bus SE
PFEIL, Arne	thyssenkrupp Presta AG	(72) Sattler, Steve
(31) 201715373	(72) KAKAS, Peter	Hintereder, Jürgen
(32) 22.09.2017	VARGA, Ádám	Drescher, Benjamin
(33) United Kingdom	VIZER, Daniel	(31) 102019103859
(51) B61F 19/04	(31) 102019203040	(32) 15.02.2019
(11) EP3863906	(32) 06.03.2019	(33) Germany
(21) EP19812711.0	(33) Germany	(51) B62D 25/14
(47) 21.09.2022	(51) B62D 6/00	(11) EP3786032
(87) EP2019081641	B62D 5/04	(21) EP20207000.9
04.06.2020	(11) EP3705383	(47) 21.09.2022
(22) 18.11.2019	(21) EP20159828.1	(22) 11.11.2020
(54) ANTI-CLIMBER DEVICE FOR A RAIL VEHICLE	(47) 21.09.2022	(54) INSTRUMENT PANEL HOLDER FOR A MOTOR VEHICLE
(73) Siemens Mobility Austria GmbH	(22) 27.02.2020	(73) Benteler Automobiltechnik GmbH
(72) HEINZL, Philipp	(54) STEERING CONTROL DEVICE AND METHOD FOR CONTROLLING STEERING SYSTEM	(72) WERNEKE, Simon
(31) 510402018	(73) JTEKT CORPORATION	TATARINOV, Konstantin
(32) 26.11.2018	TOYOTA JIDOSHA KABUSHIKI KAISHA	FOSHAG, Timo
(33) Austria	(72) KODERA, Takashi	THIESSEN, Thomas
(51) B61L 27/00	NAMIKAWA, Isao	STEFFENS, Martin
B61L 27/04	KAKIMOTO, Yusuke	MOLLEMEIER, Elmar
B61L 23/00	KUDO, Yoshio	LAPSIEN, Rainer
(11) EP3747728	(31) 2019039765	SCHRÖTER, Carsten
(21) EP19815797.6	(32) 05.03.2019	BERGSCHNEIDER, Meinolf
(47) 21.09.2022	(33) Japan	(51) B62D 25/16
(87) CN2019078247	(51) B62D 13/06	(11) EP3680152
12.12.2019	B62D 15/02	(21) EP20150269.7
(22) 15.03.2019	B62D 13/00	(47) 21.09.2022
(54) VEHICLE COOPERATION-BASED TRAIN MOVEMENT AUTHORIZATION METHOD	(11) EP3672860	(22) 03.01.2020
(73) Casco Signal Co., Ltd.	(21) EP18756251.7	(54) FAST LOCKING / UNLOCKING DEVICE FOR CONSTRAINING A FENDER TO A FRAME
(72) XIA, Tingkai	(47) 21.09.2022	(73) DOMAR S.p.A.
CHEN, Xiang	(87) EP2018072890	(72) LORUSSO, Antonio
CUI, Ke	28.02.2019	(31) 201900000370
LV, Xinjun	(22) 24.08.2018	(32) 10.01.2019
(31) 201810575896	(54) A METHOD FOR STEERING AN ARTICULATED VEHICLE	(33) Italy
	(73) Volvo Truck Corporation	(51) B62D 53/00

B62D 59/04	(72) Guillén, Manuel Martínez	G01C 21/00
B64F 1/32	Femenía, Francisco Martínez	G01C 21/20
B60P 1/00	Rocamora, Moisés Mas	(11) EP3388327
B60P 1/02	Andrade, Álvaro Gómez	(21) EP16873112.3
(11) EP3628575	Álvaro, Elad Rodríguez	(47) 21.09.2022
(21) EP19181945.7	(51) B62L 3/02	(87) JP2016086723
(47) 21.09.2022	B60T 8/36	15.06.2017
(22) 24.06.2019	B62K 19/38	(22) 09.12.2016
(54) DOLLY AND METHOD FOR THE	(11) EP3480098	(54) ROUTE SETTING METHOD
OPERATION OF SAME	(21) EP18203043.7	FOR UNDERWATER VEHICLE,
(73) MULAG FAHRZEUGWERK Heinz	(47) 21.09.2022	UNDERWATER VEHICLE OPTIMUM
Wössner GmbH & CO. KG	(22) 29.10.2018	CONTROL METHOD USING SAME,
(72) Wössner, Holger	(54) STRADDLED VEHICLE	AND UNDERWATER VEHICLE
(31) 102018210180	(73) Yamaha Hatsudoki Kabushiki Kaisha	(73) National Institute of Maritime, Port and
(32) 22.06.2018	(72) ASADA, Yasuhiro	Aviation Technology
(33) Germany	(31) 2017214663	(72) KIM, Kangsoo
(51) B62D 53/06	(32) 07.11.2017	(31) 2015240252
B62D 61/12	(33) Japan	(32) 09.12.2015
(11) EP3480087	(51) B62M 6/45	(33) Japan
(21) EP18204006.3	(11) EP3762284	(51) B64C 3/42
(47) 21.09.2022	(21) EP19700041.7	(11) EP3699081
(22) 01.11.2018	(47) 21.09.2022	(21) EP20158984.3
(54) SPLIT TRAILER	(87) EP2019050065	(47) 21.09.2022
(73) Dennison Trailers Unlimited Company	12.09.2019	(22) 24.02.2020
(72) DENNISON, David	(22) 03.01.2019	(54) AIRCRAFT WING WITH
(31) 201718086	(54) CONTROL METHOD FOR AN	DISPLACEABLE WINGLET
(32) 01.11.2017	ELECTRIC MOTOR OF AN ELECTRIC	(73) Bombardier Inc.
(33) United Kingdom	BICYCLE	(72) Xi, Fengfeng
(51) B62J 27/00	(73) Robert Bosch GmbH	MOOSAVIAN, Amin
B62J 45/415	(72) BAUMGAERTNER, Daniel	VIEIRA DE SA, Jose
(11) EP3856576	WIENSS, Andreas	CAMPOS NARANJO, Gabriel
(21) EP18782339.8	(31) 102018203397	(31) 201962809795 P
(47) 21.09.2022	(32) 07.03.2018	(32) 25.02.2019
(87) EP2018075761	(33) Germany	(33) United States of America
02.04.2020	(51) B63B 27/00	(51) B64C 3/48
(22) 24.09.2018	B65G 63/00	(11) EP3595968
(54) METHOD AND DEVICE FOR	B61B 3/00	(21) EP18715998.3
MONITORING A MOTORCYCLE	(11) EP3183168	(47) 21.09.2022
(73) Robert Bosch GmbH	(21) EP15833308.8	(87) NL2018050168
(72) HENZLER, Markus	(47) 21.09.2022	20.09.2018
MAYER, Florian	(87) US2015046533	(22) 16.03.2018
SKIERA, Alexander	25.02.2016	(54) AIRFOIL-SHAPED BODY WITH A
(51) B62K 5/05	(22) 24.08.2015	VARIABLE OUTER SHAPE
B62K 5/08	(54) OVERHEAD GUIDE TRACK SYSTEMS	(73) Fokker Aerostructures B.V.
B62K 15/00	FOR AUTOMATED MATERIAL	(72) BASTIAANSEN, Adrianus Marinus
(11) EP3699072	HANDLING	Franciscus
(21) EP19382119.6	(73) BEC Companies, Inc.	(31) 2018538
(47) 21.09.2022	(72) BENEDICT, Charles E.	(32) 17.03.2017
(22) 19.02.2019	(31) 201462040883 P	(33) Netherlands
(54) TRICYCLE WITH HEIGHT-TILTING	(32) 22.08.2014	(51) B64C 3/56
WHEEL SUSPENSION LINKED TO THE	(33) United States of America	B64C 23/06
DRIVING HANDLEBAR	(51) B63B 27/14	(11) EP3409581
(73) García-Atance Fatjó, Gonzalo	B64F 1/305	(21) EP18184756.7
(72) García-Atance Fatjó, Gonzalo	(11) EP3713834	(47) 21.09.2022
(51) B62K 25/28	(21) EP18878500.0	(22) 24.10.2013
B62J 45/413	(47) 21.09.2022	(54) WING FOLD CONTROLLER
B62J 45/42	(87) SE2018051196	(73) The Boeing Company
B62J 50/21	23.05.2019	(72) LASSEN, Matthew August
B62K 25/08	(22) 19.11.2018	DOUGLAS, Chad Richard
G01D 5/14	(54) PASSENGER BRIDGE COMPRISING A	JONES, Kelly Thomas
B62K 3/02	CABIN SUSPENSION	KENNING, Terence Boyd
(11) EP3943374	(73) Fmt International Trade AB	(31) 201314022622
(21) EP20020336.2	(72) THELANDER, Per	201213664416
(47) 21.09.2022	(31) 1751427	201261720338 P
(22) 24.07.2020	(32) 20.11.2017	(32) 10.09.2013
(54) REAR SUSPENSION DEVICE, SYSTEM	(33) Sweden	30.10.2012
AND METHOD FOR A BICYCLE	(51) B63C 11/00	30.10.2012
(73) Sanchez Soler, Francisco		(33) United States of America

United States of America	(54) AUTOROTATIVE ENHANCEMENT	(33) United States of America
United States of America	SYSTEM	(51) B64D 11/06
(51) B64C 9/22	(73) Textron Innovations Inc.	B60N 2/826
B64C 21/00	(72) MARSHALL, Bryan	B60N 2/885
B64C 23/00	HITTE, Cory M.	(11) EP3271248
B64C 23/06	SMITH, Dudley E.	(21) EP16715171.1
B64C 3/58	FENNY, Carlos Alexander	(47) 21.09.2022
B64C 3/28	(31) 201313834215	(87) US2016022606
B64C 3/36	(32) 15.03.2013	22.09.2016
B64C 5/08	(33) United States of America	(22) 16.03.2016
B64C 7/00	(51) B64C 27/28	(54) FRICTION MODULE, FRICTION
B64C 3/14	B64C 13/40	HINGE, AND ADJUSTABLE HEADREST
(11) EP3647183	B64C 27/52	INCLUDING THE FRICTION MODULE
(21) EP19206719.7	F04B 1/32	AND/OR FRICTION HINGE
(47) 21.09.2022	F03C 1/40	(73) SOUTHCO, INC.
(22) 01.11.2019	(11) EP3674545	(72) NOVIN, Eugene
(54) AERODYNAMIC STRUCTURE FOR	(21) EP18275270.9	(31) 201562133778 P
AIRCRAFT WING	(47) 21.09.2022	(32) 16.03.2015
(73) Airbus Operations Limited	(22) 31.12.2018	(33) United States of America
(72) HUI, Ching-Yu	(54) TILT ROTOR CONTROL	(51) B64D 13/00
LYONS, Neil John	(73) Goodrich Actuation Systems Limited	B64D 13/06
(31) 201818012	(72) MORGAN, Anthony	B64D 33/02
(32) 05.11.2018	HARRISON, Colin R.	(11) EP3524524
(33) United Kingdom	(51) B64C 27/28	(21) EP19156297.4
(51) B64C 11/02	B64C 27/82	(47) 21.09.2022
B64C 11/48	B64C 29/00	(22) 08.02.2019
B64C 27/10	(11) EP3297909	(54) DYNAMIC AIR INTAKE,
(11) EP3693267	(21) EP16893358.8	ENVIRONMENTAL CONTROL DEVICE,
(21) EP20155324.5	(47) 21.09.2022	ENGINE AND VEHICLE EQUIPPED
(47) 21.09.2022	(87) IB2016051353	WITH SUCH AN INTAKE
(22) 04.02.2020	14.09.2017	(73) Liebherr-Aerospace Toulouse SAS
(54) LOW DRAG HUB FOR ROTOR	(22) 10.03.2016	(72) L'EMEILLAT, Laurent
(73) Sikorsky Aircraft Corporation	(54) CONVERTIBLE ROTOR AIRCRAFT	FAUQUE, Stéphane
(72) MIN, Byung-Young	(73) Netzer, Yoav	(31) 1851208
BOWLES, Patrick Ormande	(72) Netzer, Yoav	(32) 13.02.2018
WAKE, Brian Ernest	(51) B64C 39/02	(33) France
BATTISTI, Margaret G.	B64C 27/00	(51) B64D 15/04
LORBER, Peter F.	(11) EP3632797	(11) EP3196123
(31) 201916267517	(21) EP19201025.4	(21) EP16206234.3
(32) 05.02.2019	(47) 21.09.2022	(47) 21.09.2022
(33) United States of America	(22) 02.10.2019	(22) 22.12.2016
(51) B64C 13/10	(54) METHODS AND APPARATUS TO	(54) ANTI-ICING SYSTEM AND AIRCRAFT
B64D 45/00	RECOVER ROTORCRAFT	(73) Mitsubishi Aircraft Corporation
(11) EP3517429	(73) Insitu, Inc. (a Subsidiary Of The Boeing	(72) Morishita, Masatoshi
(21) EP19162623.3	Company)	Tsujita, Masanori
(47) 21.09.2022	(72) LYDECKER, Jeffrey David	Watanabe, Satoshi
(22) 02.10.2015	RYSDYK, Rolf	Uefuji, Yoichi
(54) METHODS AND APPARATUS FOR	(31) 201816149920	Kawai, Kazuhiro
OPERATING FLIGHT CONTROL	(32) 02.10.2018	Ishida, Toshiyuki
SYSTEMS OF AIRCRAFTS	(33) United States of America	Ichikawa, Gento
(73) The Boeing Company	(51) B64C 39/02	Fujita, Go
(72) Van Huynh, Neal	B64C 29/00	(31) 2016009788
Eick, Robert S.	B64C 39/04	(32) 21.01.2016
Heineman, Thomas G.	(11) EP3621877	(33) Japan
Bills, Michael D.	(21) EP18727513.6	(51) B64D 15/16
Fahey, Patrick M.	(47) 21.09.2022	B64C 3/30
Nicholas, John C.	(87) US2018031330	B64C 3/46
(31) 201414511036	15.11.2018	(11) EP3604135
(32) 09.10.2014	(22) 07.05.2018	(21) EP19189201.7
(33) United States of America	(54) MODULAR AIRCRAFT WITH VERTICAL	(47) 21.09.2022
(51) B64C 27/00	TAKEOFF AND LANDING CAPABILITY	(22) 30.07.2019
B64C 27/12	(73) Insitu, Inc.	(54) DEICING BOOT UTILIZING
B64D 27/24	(72) KUNZ, Peter, Josef	ELECTROMAGNETISM AND
B64D 27/02	GOODRICH, Wayne, David	MAGNETICS FOR BOOT INFLATION
(11) EP3800119	ALLEN, Jacob, Scott	(73) Goodrich Corporation
(21) EP20209609.5	BARTOW, Matthew, Jacob	(72) SELVARAJ, Sugumaran
(47) 21.09.2022	(31) 201762502768 P	(31) 201811029311
(22) 11.06.2013	(32) 08.05.2017	(32) 03.08.2018

(33) India	(32) 08.12.2017	B65D 5/42
(51) B64D 15/20	(33) United States of America	B65D 85/10
B64D 15/12	(51) B64F 5/60	(11) EP3774561
(11) EP3763622	G01M 3/32	(21) EP19721105.5
(21) EP19216324.4	G01M 3/24	(47) 21.09.2022
(47) 21.09.2022	(11) EP3492393	(87) IB2019052557
(22) 13.12.2019	(21) EP18208577.9	03.10.2019
(54) ICE DETECTOR APPARATUS, METHOD AND AIRCRAFT	(47) 21.09.2022	(22) 28.03.2019
(73) Goodrich Corporation	(22) 27.11.2018	(54) PACKET OF SMOKING ARTICLES WITH A SLIDING OPENING AND WRAPPING METHOD AND PACKER MACHINE TO PRODUCE A PACKET OF SMOKING ARTICLES WITH A SLIDING OPENING
(72) BOTURA, Galdemir Cezar MULLEN, James	(54) SYSTEM AND METHOD FOR AUTOMATED DETECTION OF SOUND LEAKAGE IN AN AIRCRAFT	(73) G.D Società per Azioni
(31) 201916509078	(73) Airbus Operations SAS	(72) SPIRITO, Gilberto
(32) 11.07.2019	AIRBUS (SAS)	TACCHI, Alver
(33) United States of America	(72) LOCHERON, Marc	FEDERICI, Luca
(51) B64D 17/62	LEBRU, Stéphane	(31) 201800004033
B64D 11/06	(31) 1761424	(32) 28.03.2018
B64D 17/74	(32) 30.11.2017	(33) Italy
B64D 25/10	(33) France	(51) B65D 5/489
G05B 19/04	(51) B64G 1/24	B65D 85/38
G05B 19/042	B64G 3/00	B65B 23/20
(11) EP3822168	G01S 13/72	B65D 5/50
(21) EP20207893.7	G08G 5/00	(11) EP3997001
(47) 21.09.2022	G01S 13/933	(21) EP21743205.3
(22) 16.11.2020	G08G 5/04	(47) 21.09.2022
(54) ROBUST SEQUENCER SYSTEMS FOR EJECTION ASSEMBLY	H04B 7/185	(87) EP2021070268
(73) AMI Industries, Inc.	(11) EP3887854	27.01.2022
(72) DUNST, Larry	(21) EP19839409.0	(22) 20.07.2021
(31) 201916686118	(47) 21.09.2022	(54) USE OF FLEXIBLE PAPER SHEET MATERIAL FOR FORMING A PACKAGING FOR OPTICAL ELEMENTS AND METHOD FOR PACKING OPTICAL ELEMENTS
(32) 16.11.2019	(87) IB2019060247	(73) Carl Zeiss Vision International GmbH
(33) United States of America	04.06.2020	(72) HOFER, Thomas
(51) B64D 37/02	(22) 27.11.2019	(31) 20187085
B64D 37/10	(54) SUBORBITAL SPACE TRAFFIC CONTROL SYSTEM WITH RADAR SYSTEM AND ADS-B RECEIVER	(32) 22.07.2020
B64D 37/32	(73) Leonardo S.p.a.	(33) European Patent Office (EPO)
B64D 37/34	(72) FUSELLI, Manuel	(51) B65D 41/04
(11) EP3795476	STRAPPAVECCIA, Sandro	(11) EP3075677
(21) EP20197215.5	(31) 201900021105	(21) EP14894037.2
(47) 21.09.2022	18425087	(47) 21.09.2022
(22) 21.09.2020	(32) 13.11.2019	(87) JP2014002912
(54) AIRCRAFT FUEL TANK PRESSURIZATION SYSTEMS AND METHODS	27.11.2018	10.12.2015
(73) Embraer S.A.	(33) Italy	(22) 02.06.2014
(72) GARCIA CARNEIRO, Breno	European Patent Office (EPO)	(54) CAPPED CONTAINER
AMARAL FERREIRA DE MELO, Gustavo	(51) B64G 1/64	(73) TR Holdings Inc.,
TULLIO BALTHAZAR BRESSAN, Marcus	B64G 1/10	(72) TANAKA, Mikio
LINGUANOTTO, Pedro Geraldo	B64G 1/40	(51) B65D 47/04
TESTI, Andrei	B64G 4/00	B65D 47/20
(31) 201916575826	(11) EP2791009	(11) EP3409610
(32) 19.09.2019	(21) EP12850714.2	(21) EP18184184.2
(33) United States of America	(47) 21.09.2022	(47) 21.09.2022
(51) B64D 47/08	(87) CA2012050814	(22) 29.01.2015
H04N 7/18	23.05.2013	(54) WATER BOTTLE WITH SELF-CLOSING VALVE
B64D 45/00	(22) 15.11.2012	(73) Specialized Bicycle Components, Inc.
B64D 11/00	(54) PROPELLANT TRANSFER SYSTEM AND METHOD FOR RESUPPLY OF FLUID PROPELLANT TO ON-ORBIT SPACECRAFT	(72) JONES, Ryan, C.
(11) EP3495275	(73) MacDonald, Dettwiler and Associates Inc.	(31) 201461934278 P
(21) EP18209599.2	(72) ALLEN, Andrew	(32) 31.01.2014
(47) 21.09.2022	LYMER, John	(33) United States of America
(22) 30.11.2018	SPRING, Kerry	(51) B65D 47/08
(54) INTEGRATED IMAGING SYSTEM FOR A CONNECTED AIRCRAFT	RAVINDRAN, Rangaswamy	(11) EP3921245
(73) Rockwell Collins, Inc.	(31) 201161559801 P	(21) EP20700030.8
(72) SKELLY, Trevor	(32) 15.11.2011	(47) 21.09.2022
MCKEE, Jefferey M.	(33) United States of America	
(31) 201715836773	(51) B65D 5/38	

(87) EP2020050230 13.08.2020	GAVELLE, Pauline	BATTREALL, Leo A.
(22) 07.01.2020	(31) 201962795302 P	FESTER, Joseph A.
(54) PLUG CLOSURE	(32) 22.01.2019	(31) 201662351478 P
(73) Unilever IP Holdings B.V.	(33) United States of America	(32) 17.06.2016
(72) LALIER, Gregory	(51) B65D 88/06	(33) United States of America
(31) 19155612	B21D 51/04	(51) B65G 25/06
(32) 05.02.2019	B60P 3/22	B60P 1/00
(33) European Patent Office (EPO)	B62D 63/06	(11) EP3406544
(51) B65D 47/08	B62D 65/00	(21) EP18173311.4
B01F 25/433	B62D 33/04	(47) 21.09.2022
(11) EP3752432	B62D 53/06	(22) 18.05.2018
(21) EP19839584.0	B65D 90/08	(54) RECIPROCATING SLAT CONVEYOR WITH PROTECTED SEAL
(47) 21.09.2022	(11) EP3558849	(73) Cargo Mac B.V.
(87) US2019067485	(21) EP17883510.4	(72) DE RAAD, Frans Arian Heino
25.06.2020	(47) 21.09.2022	MATER, Nicolaas Marc
(22) 19.12.2019	(87) CA2017051538	(31) 2018975
(54) CONTAINER, CLOSURE, AND	28.06.2018	201762510667 P
METHODS FOR MANUFACTURE	(22) 19.12.2017	(32) 24.05.2017
(73) H.J. Heinz Company Brands LLC	(54) CYLINDRICAL SEMI-TRAILER	24.05.2017
(72) HILTNER, Balint	(73) Kloepfer, Michael	(33) Netherlands
LUEB, Guus	Bult, James	United States of America
(31) 201962903245 P	(72) MAERTENS, Andrew Joseph	(51) B65G 47/08
201862783790 P	KLOEPFER, Michael	B65B 21/06
(32) 20.09.2019	BULT, James	(11) EP3445692
21.12.2018	(31) 201662436960 P	(21) EP17715061.2
(33) United States of America	(32) 20.12.2016	(47) 21.09.2022
United States of America	(33) United States of America	(87) EP2017056654
(51) B65D 51/20	(51) B65G 17/20	26.10.2017
(11) EP3838789	B65G 43/08	(22) 21.03.2017
(21) EP19000583.5	(11) EP3800146	(54) METHOD AND DEVICE FOR HANDLING PIECE GOODS MOVED IN AT LEAST TWO PARALLEL ROWS
(47) 21.09.2022	(21) EP20180362.4	(73) Krones Aktiengesellschaft
(22) 20.12.2019	(47) 21.09.2022	(72) KOLLMUSS, Manuel
(54) RECLOSABLE CONTAINER AND	(22) 16.06.2020	KIRZINGER, Johannes
METHOD OF MANUFACTURING SAME	(54) DEVICE AND METHOD FOR FEEDING SUSPENDED TRANSPORTED MATERIAL INTO AN OVERHEAD CONVEYOR SYSTEM AND OVERHEAD CONVEYOR SYSTEM WITH SUCH A DEVICE	(31) 102016206639
(73) Eylert, Stefan	(73) Dürkopp Fördertechnik GmbH	(32) 20.04.2016
(72) Eylert, Stefan	(72) Merten, Markus	(33) Germany
(51) B65D 71/16	(31) 102019215304	(51) B65G 47/46
(11) EP3710375	(32) 04.10.2019	B65G 47/68
(21) EP18801162.1	(33) Germany	B65G 47/94
(47) 21.09.2022	(51) B65G 21/10	B65G 43/08
(87) US2018057509	B65G 21/14	(11) EP3733569
23.05.2019	B65G 21/20	(21) EP19793023.3
(22) 25.10.2018	B65G 23/04	(47) 21.09.2022
(54) CARTON AND BLANK THEREFOR	B65G 23/08	(87) JP2019010359
(73) WestRock Packaging Systems, LLC	B65G 39/02	31.10.2019
(72) SHIBUYA, Katsuo	B65G 39/10	(22) 13.03.2019
(31) 201762587007 P	B65G 39/12	(54) CONVEYING AND SORTING APPARATUS
(32) 16.11.2017	B65G 41/00	(73) Daifuku Co., Ltd.
(33) United States of America	B65G 47/53	(72) FUJIO, Yoshihiko
(51) B65D 75/32	B65G 47/74	(31) 2018086872
A45C 11/00	B65G 23/10	(32) 27.04.2018
B65D 83/00	B65G 23/22	(33) Japan
(11) EP3914527	B65G 39/09	(51) B65G 47/80
(21) EP20701864.9	B65G 13/07	B65G 29/00
(47) 21.09.2022	(11) EP3472072	(11) EP3138793
(87) GB2020050112	(21) EP17812865.8	(21) EP15786196.4
30.07.2020	(47) 21.09.2022	(47) 21.09.2022
(22) 20.01.2020	(87) IB2017053573	(87) JP2015062806
(54) PUSH-UP CONTACT LENS BLISTER PACKAGE	21.12.2017	05.11.2015
(73) CooperVision International Limited	(22) 15.06.2017	(22) 28.04.2015
(72) ALMOND, Sarah	(54) MOTOR DRIVEN ROLLER SUPPORT	(54) CONVEYOR DEVICE
ORTIZ, Carlos	(73) Dematic Corp.	(73) Itoh Denki Co., Ltd.
HUNT, Gary	(72) WETTERS, Paul L.	(72) ITOH Kazuo
NELSON, Mike		NAKAMURA Tatsuhiko
BEARD, Russell		
HARKIN, Thomas		

TAKAMI Tomohiro	(22) 17.12.2019	(22) 14.01.2019
(31) 2014093919	(54) ENTRY DEVICE FOR ELEVATORS	(54) HYDROGEN STORAGE MATERIAL
(32) 30.04.2014	(73) K-Solutions GmbH	(73) ECOLE POLYTECHNIQUE FEDERALE
(33) Japan	(72) Kollmorgen, Lars Rudolf	DE LAUSANNE (EPFL)
(51) B65G 47/84	(31) 102019204405	(72) YANG, Heena
B65G 47/86	(32) 28.03.2019	ZÜTTEL, Andreas
(11) EP3077305	(33) Germany	(31) 18151472
(21) EP14809322.2	(51) B66B 7/06	(32) 12.01.2018
(47) 21.09.2022	(11) EP3543193	(33) European Patent Office (EPO)
(87) EP2014076060	(21) EP19162969.0	(51) C01B 32/158
11.06.2015	(47) 21.09.2022	C01B 32/162
(22) 01.12.2014	(22) 14.03.2019	H01B 1/04
(54) TRANSPORT STAR WHEEL HAVING	(54) SUSPENSION MEMBER SWAY	B01J 23/22
ADJUSTABLE STARWHEEL POCKETS	DETECTION AND MITIGATION FOR	B01J 23/75
(73) KHS GmbH	ELEVATOR SYSTEM	B01J 23/847
(72) FAHLDIECK, Andreas	(73) Otis Elevator Company	(11) EP3461790
KRIEG, Andreas	(72) SCOVILLE, Bradley Armand	(21) EP18767872.7
MALLITZKI, Nils	WONG, Sam	(47) 21.09.2022
(31) 102013113292	TALBOT, William	(87) KR2018003126
(32) 02.12.2013	(31) 201862645511 P	20.09.2018
(33) Germany	(32) 20.03.2018	(22) 16.03.2018
(51) B65H 29/12	(33) United States of America	(54) BUNDLE-TYPE CARBON NANOTUBES
B65H 29/14	(51) B66C 11/06	AND METHOD FOR PREPARING THE
B65H 45/14	B66C 9/02	SAME
B65H 31/34	B66C 9/14	(73) LG Chem, Ltd.
B65H 9/00	B61B 13/04	(72) KIM, Sung Jin
(11) EP3543186	B61C 13/04	CHOI, Byung Yul
(21) EP19157530.7	B60M 1/28	CHO, Dong Hyun
(47) 21.09.2022	B61B 3/00	KIM, Duk Ki
(22) 15.02.2019	(11) EP3097042	YOON, Jae Keun
(54) SHEET PROCESSING APPARATUS	(21) EP15740822.0	PARK, Hyun Woo
AND IMAGE FORMING SYSTEM	(47) 21.09.2022	YOU, Hyo Sang
INCORPORATING THE SAME	(87) FI2015050039	KANG, Hyun Joon
(73) Ricoh Company, Ltd.	30.07.2015	(31) 20180030108
(72) HARAGUCHI, Yohsuke	(22) 23.01.2015	20170033558
ASAMI, Shinji	(54) LOW-CONSTRUCTION TROLLEY FOR	(32) 15.03.2018
FURUHASHI, Tomohiro	WIRE ROPE HOIST	17.03.2017
SUZUKI, Michitaka	(73) Konecranes Global Corporation	(33) Korea (Republic)
HOSHINO, Tomomichi	(72) LINDBERG, Teppo	Korea (Republic)
YONEYAMA, Fumiharu	KOKKO, Henri	(51) C01G 49/10
KUNIEDA, Akira	(31) 20145069	C02F 1/72
MORINAGA, Takuya	(32) 24.01.2014	C02F 1/52
HIDAKA, Makoto	(33) Finland	C23F 1/46
SAKANO, Koki	(51) B67B 3/20	B01F 23/232
(31) 2018050382	(11) EP3500515	B01F 25/23
(32) 19.03.2018	(21) EP17764655.1	B01F 25/53
(33) Japan	(47) 21.09.2022	C23G 1/36
(51) B66B 1/46	(87) IB2017054833	(11) EP2999666
(11) EP3549895	22.02.2018	(21) EP14726140.8
(21) EP19161153.2	(22) 08.08.2017	(47) 21.09.2022
(47) 21.09.2022	(54) SELF-ADJUSTING CAPPING CHUCK	(87) EP2014060589
(22) 06.03.2019	FOR APPLYING THE CLOSURE	27.11.2014
(54) ELEVATOR SERVICE REQUEST AND	ELEMENTS ON CONTAINERS	(22) 22.05.2014
OFFLINE AUTHENTICATION OF THE	(73) Arol S.p.A.	(54) IMPROVED METHOD FOR OBTAINING
ELEVATOR SERVICE REQUEST	(72) CAFFA, Marco	AN IRON-COMPRISING SOLUTION OF
(73) Otis Elevator Company	CIPRIANI, Marco	HIGH CONCENTRATION
(72) ZHANG, Yu	(31) 201600085761	(73) Tessengerlo Group NV
LI, Kai	(32) 17.08.2016	(72) PEETERS, Rudy
MA, Siqi	(33) Italy	(31) 13195781
WANG, Shenhong	(51) C01B 3/00	13168775
HOU, Haofeng	C01B 32/159	(32) 05.12.2013
(31) 201810183270	C01B 32/198	22.05.2013
(32) 06.03.2018	C01B 32/158	(33) European Patent Office (EPO)
(33) China	(11) EP3737638	European Patent Office (EPO)
(51) B66B 1/46	(21) EP19700689.3	(51) C02F 1/461
(11) EP3715300	(47) 21.09.2022	C25B 11/00
(21) EP19216924.1	(87) EP2019050758	C25B 9/30
(47) 21.09.2022	18.07.2019	C25B 11/02

(11) EP3127871	C05G 3/70	(54) PROCESS FOR MANUFACTURING METHANOL
(21) EP16183192.0	C05G 3/80	(73) L'AIR LIQUIDE, SOCIÉTÉ ANONYME POUR L'ÉTUDE ET L'EXPLOITATION DES PROCÉDÉS GEORGES CLAUDE
(47) 21.09.2022	(11) EP3087044	(72) Castillo-Welter, Frank
(22) 08.08.2016	(21) EP14835712.2	Haag, Stephane
(54) REACTOR WITH SACRIFICIAL ANODE	(47) 21.09.2022	Schuhmann, Timm
(73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	(87) HU2014000129	Frind, Robert
(72) Mariakakis, Losif	02.07.2015	<hr/>
Egner, Siegfried	(22) 22.12.2014	(51) C07C 29/48
Claußnitzer, Uwe	(54) IRON (III) OXIDE CONTAINING SOIL-BINDING COMPOSITION	C07C 29/88
(31) 102015215037	(73) Invention Center Kft.	C07C 29/80
(32) 06.08.2015	(72) VATTAY, Antal	C07C 31/20
(33) Germany	VATTAY, Rikárd	C07C 41/05
<hr/>	POSTA, Katalin Andrea	C07C 41/44
(51) C03B 23/207	PÓTI, Péter	C07C 41/42
C03B 23/043	VARGA, Imre	C07C 43/11
C03B 23/045	ZÁRAY, Gyula	(11) EP3988532
C03B 37/012	LÓCZI, Miklós	(21) EP20203049.0
(11) EP3686165	SZUROP, Gábor Miklós	(47) 21.09.2022
(21) EP20153218.1	(31) P1300753	(22) 21.10.2020
(47) 21.09.2022	(32) 23.12.2013	(54) A METHOD FOR THE PREPARATION OF 1,2-PROPANEDIOL, DIPROPYLENE GLYCOL AND TRIPROPYLENE GLYCOL
(22) 22.01.2020	(33) Hungary	(73) Evonik Operations GmbH
(54) HIGH-STRENGTH WELDING PROCESS FOR MAKING HEAVY GLASS PREFORMS WITH LARGE CROSS SECTIONAL AREAS	(51) C07B 59/00	(72) WIEDERHOLD, Holger
(73) Heraeus Quartz North America LLC	(11) EP3578555	BOLZ, David
Heraeus Quarzglas GmbH & Co. KG	(21) EP18901461.6	GLENNEBERG, Jürgen
(72) GANZ, Oliver	(47) 21.09.2022	<hr/>
KOCH, Kenneth Robert	(87) CN2018109043	(51) C07C 29/48
PONTSLEER, Tim Alan	25.07.2019	C07C 29/88
(31) 201962795181 P	(22) 30.09.2018	C07C 31/20
(32) 22.01.2019	(54) DIPHENYLAMINOPYRIMIDINE COMPOUND FOR INHIBITING KINASE ACTIVITY	(11) EP3988531
(33) United States of America	(73) Shenzhen TargetRx, Inc.	(21) EP20203037.5
<hr/>	(72) WANG, Yihan	(47) 21.09.2022
(51) C03B 35/26	LI, Huanyin	(22) 21.10.2020
C03B 35/04	(31) 201810039319	(54) A METHOD FOR THE PREPARATION OF 1,2-PROPANEDIOL
C03B 27/06	(32) 16.01.2018	(73) Evonik Operations GmbH
(11) EP3414207	(33) China	(72) WIEDERHOLD, Holger
(21) EP17710053.4	(51) C07C 29/10	BOLZ, David
(47) 21.09.2022	C07C 31/20	<hr/>
(87) IB2017050738	C07D 317/38	(51) C07C 47/267
17.08.2017	B01J 8/00	C11B 9/00
(22) 10.02.2017	B01J 8/02	(11) EP3810566
(54) TEMPERING FURNACE AND METHOD FOR TEMPERING A GLASS OBJECT AND THE GLASS OBJECT	(11) EP3625198	(21) EP19732657.2
(73) Vosstech AS	(21) EP18723556.9	(47) 21.09.2022
(72) BJØRGUM, Stig, Ove	(47) 21.09.2022	(87) EP2019066638
(31) 20160233	(87) EP2018062910	02.01.2020
(32) 11.02.2016	22.11.2018	(22) 24.06.2019
(33) Norway	(22) 17.05.2018	(54) CYCLOHEXENE PROPANAL DERIVATIVES AS PERFUMING INGREDIENTS
<hr/>	(54) HEAT INTEGRATION IN A PROCESS FOR THE PREPARATION OF ETHYLENE CARBONATE AND ETHYLENE GLYCOL	(73) Firmenich SA
(51) C03C 17/34	(73) Shell Internationale Research Maatschappij B.V.	(72) COULOMB, Julien
(11) EP3565791	(72) BASTINGS, Roel, Guillaume, Hubertus, Leonardus	BIRKBECK, Anthony, Alexander
(21) EP18709118.6	BOJOVIC, Vesna	QUINTAINE, Julie
(47) 21.09.2022	MOLINA, Alexandre	(31) 18179844
(87) US2018012310	(31) 17171869	(32) 26.06.2018
12.07.2018	(32) 19.05.2017	(33) European Patent Office (EPO)
(22) 04.01.2018	(33) European Patent Office (EPO)	<hr/>
(54) HEAT TREATABLE COATED ARTICLE HAVING TITANIUM NITRIDE BASED IR REFLECTING LAYER(S)	(51) C07C 29/151	(51) C07C 249/04
(73) Guardian Glass, LLC	C07C 31/04	C07C 249/08
(72) LU, Yiwei	(11) EP3741738	C09D 5/08
LINGLE, Philip, J.	(21) EP19020337.2	C23F 11/14
TUCKER, Patricia	(47) 21.09.2022	C07C 251/48
(31) 201715398913	(22) 22.05.2019	(11) EP3265441
(32) 05.01.2017		(21) EP16714043.3
(33) United States of America		(47) 21.09.2022
<hr/>		(87) PL2016000021
(51) C05D 9/02		

- 09.09.2016  
(22) 01.03.2016  
(54) METHOD FOR PREPARATION OF 5-ALKYLSALICYLALDOXIMES AND APPLICATION THEREOF  
(73) POLITECHNIKA WARSZAWSKA  
(72) BUJNOWSKI, Krzysztof  
SYNORADZKI, Ludwik  
WISIALSKI, Jerzy  
KRÓLIKOWSKA, Agnieszka  
BORDZIŁOWSKI, Jacek  
KOZIOROWSKI, Marcin  
ZADROZNY, Roman  
JERZAK, Anna  
DZIENIS, Krzysztof  
(31) 41143315  
(32) 02.03.2015  
(33) Poland  

---

(51) C07D 213/61  
(11) EP3620451  
(21) EP18886350.0  
(47) 21.09.2022  
(87) CN2018119312  
13.06.2019  
(22) 05.12.2018  
(54) METHOD FOR PREPARING 2,3-DICHLORO-5-TRIFLUOROMETHYLPYRIDINE WITH HIGH SELECTIVITY  
(73) Zhejiang Lantian Environmental Protection Hi-Tech Co., Ltd.  
Zhejiang Research Institute of Chemical Industry Co., Ltd.  
Sinochem Lantian Co., Ltd.  
(72) YU, Wanjin  
LIN, Shengda  
LIU, Minyang  
LIU, Wucan  
ZHANG, Jianjun  
CHEN, Xianjin  
(31) 201810009294  
201810020465  
201810009301  
201711275197  
(32) 05.01.2018  
05.01.2018  
05.01.2018  
06.12.2017  
(33) China  
China  
China  
China  

---

(51) C07D 213/61  
C07D 213/26  
(11) EP3696168  
(21) EP18898437.1  
(47) 21.09.2022  
(87) CN2018119320  
11.07.2019  
(22) 05.12.2018  
(54) METHOD FOR PREPARATION OF 2-CHLORO-5-TRIFLUOROMETHYLPYRIDINE  
(73) Zhejiang Lantian Environmental Protection Hi-Tech Co., Ltd.  
Zhejiang Research Institute of Chemical Industry Co., Ltd.  
Sinochem Lantian Co., Ltd.
- (72) YU, Wanjin  
LIN, Shengda  
LIU, Minyang  
LIU, Wucan  
ZHANG, Jianjun  
CHEN, Xianjin  
(31) 201810009294  
201810020465  
201810009301  
201711275197  
(32) 05.01.2018  
05.01.2018  
05.01.2018  
06.12.2017  
(33) China  
China  
China  
China  

---

(51) C07D 213/68  
A01C 1/06  
A01N 43/40  
A01N 43/80  
A01P 3/00  
C07D 405/04  
(11) EP3611166  
(21) EP18784248.9  
(47) 21.09.2022  
(87) JP2018015141  
18.10.2018  
(22) 10.04.2018  
(54) PYRIDONE COMPOUND, AND AGRICULTURAL AND HORTICULTURAL FUNGICIDE HAVING THIS AS ACTIVE COMPONENT  
(73) Mitsui Chemicals Agro, Inc.  
(72) UMETANI Hideki  
KITAJIMA Kazuki  
FUKUMOTO Takeshi  
YANAGI Masanori  
NISHIDA Akihiro  
NAITO Ryohei  
SAITO Koya  
SHIRAKAWA Tomomi  
KOISHIHARA Hikaru  
SAKURADA Akane  
YUTANI Satoshi  
OHARA Toshiaki  
(31) 2017077802  
(32) 10.04.2017  
(33) Japan  

---

(51) C07D 221/22  
A61K 31/439  
A61P 9/04  
(11) EP3744711  
(21) EP19743594.4  
(47) 21.09.2022  
(87) CN2019072873  
01.08.2019  
(22) 23.01.2019  
(54) METHOD FOR PREPARING MESACONINE AND RELATED INTERMEDIARIES  
(73) GOODDOCTOR PHARMACEUTICAL GROUP CO., LTD.  
(72) WANG, Fengpeng  
GENG, Yuefei  
JIAN, Xixian  
CHEN, Donglin  
GENG, Funeng  
(31) 201810071927  
(32) 24.01.2018
- (33) China  

---

(51) C07D 307/46  
C07D 307/50  
(11) EP3046914  
(21) EP14845176.8  
(47) 21.09.2022  
(87) US2014056572  
26.03.2015  
(22) 19.09.2014  
(54) METHODS FOR PRODUCING 5-(HALOMETHYL) FURFURAL  
(73) Origin Materials Operating, Inc.  
(72) WOOD, Alex, B.  
MASUNO, Makoto, N.  
SMITH, Ryan, L.  
BISSELL, John  
HIRSCH-WEIL, Dimitri, A.  
ARAIZA, Robert, Joseph  
HENTON, Daniel, R.  
PLONKA, James, H.  
(31) 201462002714 P  
201361880751 P  
(32) 23.05.2014  
20.09.2013  
(33) United States of America  
United States of America  

---

(51) C07D 401/14  
C07D 403/04  
C07D 405/14  
C07F 9/09  
A61K 31/416  
A61K 31/4439  
A61K 31/497  
A61K 31/661  
A61P 29/00  
C07D 231/54  
C07D 401/04  
(11) EP3385252  
(21) EP18159738.6  
(47) 21.09.2022  
(22) 24.02.2012  
(54) CANNABINOID RECEPTOR MODULATORS  
(73) Arena Pharmaceuticals, Inc.  
(72) THATTE, Jayant  
BLACKBURN, Anthony C.  
HAN, Sangdon  
JONES, Robert M.  
JUNG, Jae-Kyu  
MONTALBAN, Antonio Garrido  
PAL, Biman B.  
RUETER, Jaimie Karyn  
STRAH-PLYNET, Sonja  
THORESEN, Lars  
XIONG, Yifeng  
YUE, Dawei  
ZHU, Xiuwen  
(31) 201161446729 P  
(32) 25.02.2011  
(33) United States of America  

---

(51) C07D 403/12  
C07D 413/12  
C07D 471/04  
C07D 487/04  
C07D 491/04  
C07D 491/10  
C07D 495/04  
C07D 498/04

- A61K 31/55  
A61P 1/00  
A61P 11/00  
(11) EP3317269  
(21) EP16738985.7  
(47) 21.09.2022  
(87) US2016040659  
05.01.2017  
(22) 01.07.2016  
(54) BICYCLIC LACTAMS AS RECEPTOR-  
INTERACTING PROTEIN-1 (RIP1)  
KINASE INHIBITORS FOR TREATING  
E.G. INFLAMMATORY DISEASES  
(73) F. Hoffmann-La Roche AG  
(72) PATEL, Snahel  
HAMILTON, Gregory  
STIVALA, Craig  
CHEN, Huifen  
ZHAO, Guiling  
(31) 201562387295 P  
201562188153 P  
(32) 23.12.2015  
02.07.2015  
(33) United States of America  
United States of America  

---

(51) C07D 455/06  
C07D 471/04  
A61P 31/20  
A61K 31/5513  
A61K 31/553  
A61K 31/551  
A61K 31/5025  
A61K 31/4375  
(11) EP3490987  
(21) EP17834944.5  
(47) 21.09.2022  
(87) US2017041350  
01.02.2018  
(22) 10.07.2017  
(54) NOVEL THERAPEUTIC AGENTS FOR  
THE TREATMENT OF HBV INFECTION  
(73) Guangzhou Lupeng Pharmaceutical  
Company Ltd.  
(72) CHEN, Yi  
(31) 201762516569 P  
201762486946 P  
201662418684 P  
201662368165 P  
(32) 07.06.2017  
18.04.2017  
07.11.2016  
29.07.2016  
(33) United States of America  
United States of America  
United States of America  
United States of America  

---

(51) C07D 471/04  
(11) EP3464285  
(21) EP17729694.4  
(47) 21.09.2022  
(87) US2017035411  
07.12.2017  
(22) 01.06.2017  
(54) PROCESS FOR PREPARING N-  
(5-(3-(7-(3-FLUOROPHENYL)-3H-  
IMIDAZO[4,5-C]PYRIDIN-2-YL)-1H-  
INDAZOL-5-YL)PYRIDIN-3-YL)-3-  
METHYLBUTANAMIDE  
(73) BioSplice Therapeutics, Inc.  
(72) KC, Sunil Kumar  
(31) 201662418657 P  
201662344170 P  
(32) 07.11.2016  
01.06.2016  
(33) United States of America  
United States of America  

---

(51) C07D 471/04  
A61P 25/00  
A61K 31/4375  
(11) EP3733666  
(21) EP18895304.6  
(47) 21.09.2022  
(87) CN2018124039  
04.07.2019  
(22) 26.12.2018  
(54) CRYSTAL FORM OF VALBENAZINE  
DI-P-TOLUENESULFONATE,  
PREPARATION METHOD THEREOF  
AND USE THEREOF  
(73) Crystal Pharmaceutical (Suzhou) Co.,  
Ltd.  
(72) CHEN, Minhua  
ZHANG, Yanfeng  
YANG, Chaohui  
HUANG, Chunxiang  
(31) 201711436859  
(32) 26.12.2017  
(33) China  

---

(51) C07D 471/04  
C07D 487/04  
A01N 43/90  
C07D 519/00  
(11) EP3672966  
(21) EP18752784.1  
(47) 21.09.2022  
(87) EP2018072308  
28.02.2019  
(22) 17.08.2018  
(54) HETEROCYCLENE DERIVATES AS  
PESTICIDES  
(73) Bayer Aktiengesellschaft  
(72) HAGER, Dominik  
FISCHER, Rüdiger  
HOFFMEISTER, Laura  
KAUSCH-BUSIES, Nina  
MOSRIN, Marc  
WILCKE, David  
WILLOT, Matthieu  
ILG, Kerstin  
GÖRGENS, Ulrich  
TURBERG, Andreas  
(31) 17187272  
(32) 22.08.2017  
(33) European Patent Office (EPO)  

---

(51) C07D 471/04  
C07D 487/04  
C07D 498/04  
C07D 513/04  
C07D 519/00  
A61K 31/437  
A61K 31/4985  
A61K 31/519  
A61K 31/5377  
A61K 31/553  
A61P 25/18  
A61P 25/28  
(11) EP3372601  
(21) EP16857588.4  
(47) 21.09.2022  
(87) JP2016081368  
27.04.2017  
(22) 21.10.2016  
(54) NOVEL BICYCLIC HETEROCYCLIC  
COMPOUND  
(73) Mitsubishi Tanabe Pharma Corporation  
(72) OKUYAMA, Masahiro  
FUKUNAGA, Kenji  
USUI, Kenji  
HAYASHI, Norimitsu  
IIJIMA, Daisuke  
HORIUCHI, Hideki  
FUJIMOTO, Nobuaki  
(31) 2015208176  
(32) 22.10.2015  
(33) Japan  

---

(51) C07D 471/04  
C07D 487/04  
C07D 498/04  
C07D 519/00  
A61P 29/00  
A61K 31/55  
A61K 31/553  
A61P 1/00  
A61P 1/04  
A61P 1/18  
A61P 13/12  
A61P 17/06  
A61P 25/00  
A61P 1/16  
A61P 9/10  
A61P 11/00  
(11) EP3555093  
(21) EP17816799.5  
(47) 21.09.2022  
(87) EP2017082851  
21.06.2018  
(22) 14.12.2017  
(54) INHIBITORS OF RIP1 KINASE AND  
METHODS OF USE THEREOF  
(73) F. Hoffmann-La Roche AG  
(72) PATEL, Snahel  
HAMILTON, Gregory  
(31) 201662435567 P  
(32) 16.12.2016  
(33) United States of America  

---

(51) C07D 471/08  
A61K 31/439  
A61P 31/04  
(11) EP3719020  
(21) EP18884744.6  
(47) 21.09.2022  
(87) CN2018118864  
06.06.2019  
(22) 03.12.2018  
(54) CRYSTAL FORM OF BETA-  
LACTAMASE INHIBITOR AND  
PREPARATION METHOD THEREFOR  
(73) QILU PHARMACEUTICAL CO., LTD.  
(72) LI, Cheng  
HUANG, Zhigang  
DING, Charles Z.  
LI, Weidong  
(31) 201711251386  
(32) 01.12.2017

(33) China	(21) EP18810918.5	WOOD, Monika G.
(51) C07D 487/04	(47) 21.09.2022	SCHWINN, Marie
A61K 31/5025	(87) EP2018081381	BINKOWSKI, Brock
A61K 31/519	23.05.2019	ZEGZOUTI, Hicham
(11) EP3572416	(22) 15.11.2018	NATH, Nidhi
(21) EP19169041.1	(54) MACROCYCLIC INDOLE DERIVATIVES	MONDAL, Subhanjan
(47) 21.09.2022	(73) The Broad Institute, Inc.	GOUELI, Said
(22) 23.01.2015	Bayer Aktiengesellschaft	MEISENHEIMER, Poncho
(54) DIARYL MACROCYCLES AS	Bayer Pharma Aktiengesellschaft	KIRKLAND, Thomas
MODULATORS OF PROTEIN KINASES	(72) FURST, Laura	UNCH, James
(73) Turning Point Therapeutics, Inc.	SERRANO-WU, Michael, H.	PULUKKUNAT, Dileep K.
(72) CUI, Jingrong Jean	LEMKE, Chris	ROBERS, Matthew B.
LI, Yishan	MCKINNEY, David	DART, Melanie
ROGERS, Evan W.	FITZGERALD, Mark	MACHLEIDT, Thomas
ZHAI, Dayong	NASVESCHUK, Christopher	(31) 201361791549 P
(31) 201562106301 P	LAZARSKI, Kiel	(32) 15.03.2013
201462049326 P	FERRARA, Steven, James	(33) United States of America
201461931506 P	WEI, Guo	(51) C07K 14/47
(32) 22.01.2015	MCCARREN, Patrick, Ryan	C07K 14/82
11.09.2014	THEDE, Kai	C12N 9/12
24.01.2014	MENGEL, Anne	A61K 31/505
(33) United States of America	CHRIST, Clara	A61K 31/551
United States of America	KUHNKE, Joachim	A61P 35/00
United States of America	JOHANNES, Sarah, Anna, Liesa	(11) EP3500263
(51) C07D 487/04	BUCHGRABER, Philipp	(21) EP18813239.3
C07D 471/04	KLAR, Ulrich	(47) 21.09.2022
A61P 35/00	SACK, Ulrike	(87) US2018035907
(11) EP3453710	KAULFUSS, Stefan	13.12.2018
(21) EP18181949.1	FERNANDEZ-MONTALVAN, Amaury,	(22) 04.06.2018
(47) 21.09.2022	Ernesto	(54) PROCESS FOR EXPLOITING
(22) 16.09.2015	WERBECK, Nicolas	SYNTHETIC LETHALITY BASED
(54) HISTONE DEMETHYLASE INHIBITORS	MÖNNING, Ursula	ON OVEREXPRESSION OF MYC
(73) Celgene Quantice Research, Inc.	NOWAK-REPPPEL, Katrin	ONCOGENE
(72) BOLOOR, Amogh	(31) 201762588055 P	(73) Chengdu Anticancer Bioscience, Ltd.
KANOONI, Toufike	(32) 17.11.2017	(72) ZHANG, Jing
STAFFORD, Jeffrey, Alan	(33) United States of America	ZHANG, Shenqiu
VEAL, James, Marvin	(51) C07K 7/06	YANG, Dun
WALLACE, Michael Brennan	C07K 1/06	(31) 201762514861 P
(31) 201462051691 P	C07K 14/47	(32) 04.06.2017
(32) 17.09.2014	(11) EP3894426	(33) United States of America
(33) United States of America	(21) EP19809117.5	(51) C07K 16/00
(51) C07D 491/107	(47) 21.09.2022	C12N 15/67
A61K 31/4355	(87) EP2019083309	(11) EP2794651
A61P 9/00	18.06.2020	(21) EP12810245.6
(11) EP3464292	(22) 02.12.2019	(47) 21.09.2022
(21) EP17730638.8	(54) LINEAR SOLUTION PHASE ROUTES	(87) EP2012076203
(47) 21.09.2022	FOR WNT HEXAPEPTIDES	27.06.2013
(87) US2017035867	(73) Wntresearch AB	(22) 19.12.2012
14.12.2017	(72) VEERABHADRA PRATAP, Tadikonda	(54) EXPRESSION VECTOR ELEMENT
(22) 05.06.2017	RAGHAVENDRA RAO, Kamaraju	COMBINATIONS, NOVEL
(54) MODULATORS OF THE BETA-3	HENRIKSEN, Dennis	PRODUCTION CELL GENERATION
ADRENERGIC RECEPTOR	(31) 18212658	METHODS AND THEIR USE FOR THE
USEFUL FOR THE TREATMENT	(32) 14.12.2018	RECOMBINANT PRODUCTION OF
OR PREVENTION OF DISORDERS	(33) European Patent Office (EPO)	POLYPEPTIDES
RELATED THERETO	(51) C07K 14/435	(73) F.Hoffmann-La Roche AG
(73) Arena Pharmaceuticals, Inc.	G01N 33/50	(72) HUELSMANN, Peter Michael
(72) TRAN, Thuy-Anh	(11) EP3783011	KNOETGEN, Hendrik
DO, Quyen-Quyen	(21) EP20197758.4	(31) 11195361
ULLMAN, Brett	(47) 21.09.2022	(32) 22.12.2011
BLACKBURN, Anthony C.	(22) 13.03.2014	(33) European Patent Office (EPO)
NAGURA, Maiko	(54) ACTIVATION OF BIOLUMINESCENCE	(51) C07K 16/06
(31) 201662346293 P	BY STRUCTURAL	A61K 39/395
(32) 06.06.2016	COMPLEMENTATION	A61K 35/16
(33) United States of America	(73) Promega Corporation	C07K 1/30
(51) C07D 513/22	(72) DIXON, Andrew S.	(11) EP2817334
A61P 35/00	ENCELL, Lance P.	(21) EP13708051.1
A61K 31/5377	HALL, Mary P.	(47) 21.09.2022
(11) EP3710456	WOOD, Keith V.	(87) US2013027681

29.08.2013	(51) C08F 210/02	(31) 18182378
(22) 25.02.2013	C08J 3/24	(32) 09.07.2018
(54) FRACTION I-IV-1 PRECIPITATION OF IMMUNOGLOBINS FROM PLASMA	H01B 3/44	(33) European Patent Office (EPO)
(73) Takeda Pharmaceutical Company Limited	(11) EP3717526	(51) C08G 59/24
(72) BRUCKSCHWAIGER, Leopold	(21) EP18816138.4	C08G 59/50
GUNDINGER, Thomas	(47) 21.09.2022	C08J 5/24
NUERNBERGER, Julia	(87) EP2018085560	(11) EP3476879
TESCHNER, Wolfgang	27.06.2019	(21) EP17815279.9
SCHWARZ, Hans-Peter	(22) 18.12.2018	(47) 21.09.2022
(31) 201261602488 P	(54) A POLYETHYLENE WITH A HIGH VINYL CONTENT AND WITH A LOW MFR	(87) JP2017022174
(32) 23.02.2012	(73) Borealis AG	28.12.2017
(33) United States of America	(72) SMEDBERG, Annika	(22) 15.06.2017
(51) C07K 16/28	HJÄRTFORS, Emil	(54) EPOXY RESIN COMPOSITION, CURED PRODUCT AND COMPOSITE MATERIAL
A61K 39/00	ENGLUND, Villgot	(73) Showa Denko Materials Co., Ltd.
A61P 31/00	HAGSTRAND, Per-Ola	(72) YOSHIDA, Yuka
A61P 35/00	SULTAN, Bernt-Åke	FUKUDA, Kazumasa
A61K 39/395	HJERTBERG, Thomas	TAKEZAWA, Yoshitaka
A61P 37/04	(31) 17208190	(31) 2016123976
(11) EP3083693	(32) 18.12.2017	(32) 22.06.2016
(21) EP14833344.6	(33) European Patent Office (EPO)	(33) Japan
(47) 21.09.2022	(51) C08G 18/48	(51) C08G 59/50
(87) EP2014078655	C08G 18/42	C08G 59/56
25.06.2015	C08G 18/76	C08G 59/62
(22) 19.12.2014	A47C 27/00	C04B 26/14
(54) ANTAGONISTIC ANTI-CANINE PD-1 ANTIBODIES	C08G 18/24	(11) EP3713985
(73) Intervet International B.V.	C08G 18/40	(21) EP18796485.3
(72) MORSEY, Mohamad	C08G 101/00	(47) 21.09.2022
ZHANG, Yuanzheng	A47C 27/05	(87) EP2018080942
BARTELS-MOROZOV, Denise	(11) EP3841140	31.05.2019
ERSKINE, Jason	(21) EP19759116.7	(22) 12.11.2018
TARPEY, Ian	(47) 21.09.2022	(54) MULTI-COMPONENT EPOXY RESIN MASS WITH LEAKAGE INDICATOR AND CURING AGENTS FOR THE EPOXIDE RESIN
(31) 201462030812 P	(87) US2019045173	(73) Hilti Aktiengesellschaft
201361918847 P	27.02.2020	(72) BORNSCHLEGL, Alexander
201361918946 P	(22) 05.08.2019	(31) 17203258
(32) 30.07.2014	(54) VISCOELASTIC POLYURETHANE FOAMS	(32) 23.11.2017
20.12.2013	(73) Dow Global Technologies LLC	(33) European Patent Office (EPO)
20.12.2013	(72) MENG, Qinghao	(51) C08G 63/181
(33) United States of America	BROADWAY, Meagan	C08G 63/199
United States of America	THIEDE, Christopher	C09D 167/02
United States of America	SPRINGS, Morgan A.	C09D 7/63
(51) C08F 8/00	DELK, Van M.	C08G 63/127
C08F 8/02	(31) 201862720197 P	C08G 63/137
B01J 41/13	(32) 21.08.2018	C08G 63/183
B01J 41/14	(33) United States of America	C08G 63/189
C07K 1/30	(51) C08G 18/48	(11) EP3750938
C07K 1/32	C08G 18/76	(21) EP19752035.6
(11) EP3597671	C08G 18/18	(47) 21.09.2022
(21) EP19191118.9	C08G 18/20	(87) KR2019001353
(47) 21.09.2022	C08G 18/22	15.08.2019
(22) 16.05.2011	C08G 18/30	(22) 31.01.2019
(54) STIMULUS RESPONSIVE POLYMERS FOR THE PURIFICATION OF BIOMOLECULES	C08G 101/00	(54) COPOLYMERIZED SATURATED POLYESTER RESIN AND COATING COMPOSITION CONTAINING SAME
(73) EMD Millipore Corporation	(11) EP3820922	(73) SK Chemicals Co., Ltd.
(72) JABER, Jad	(21) EP19734433.6	(72) KIM, Hyung-Gon
MOYA, Wilson	(47) 21.09.2022	SIM, Jong-Ki
HAMZIK, James	(87) EP2019068007	KIM, Soon-Ki
BOUDIF, Arezki	16.01.2020	(31) 20180014988
ZHANG, Yu	(22) 04.07.2019	(32) 07.02.2018
SOICE, Neil	(54) METHOD FOR THE PREPARATION OF VISCOELASTIC POLYURETHANE FOAMS	(33) Korea (Republic)
CHARKOUDIAN, John	(73) Covestro Intellectual Property GmbH & Co. KG	(51) C08G 64/02
SINGH, Nripen	(72) GOSSNER, Matthaeus	C08G 63/199
(31) 39576910 P	FAERBER, Veronica-Alina	(11) EP3957671
(32) 17.05.2010	BRASSAT, Lutz	
(33) United States of America		

(21) EP20790672.8	(32) 24.08.2018	(32) 02.07.2018
(47) 21.09.2022	(33) United States of America	(33) France
(87) JP2020014842	(51) C08J 3/24	(51) C08L 23/06
22.10.2020	C09J 11/08	C08F 2/00
(22) 31.03.2020	C09J 163/00	C08F 210/16
(54) THERMOPLASTIC RESIN, MOLDED	C09J 11/06	(11) EP3728456
OBJECT, AND MONOMER FOR	C09J 7/30	(21) EP18814931.4
THERMOPLASTIC RESIN	C08L 63/00	(47) 21.09.2022
(73) MITSUBISHI GAS CHEMICAL	(11) EP3623438	(87) EP2018084550
COMPANY, INC.	(21) EP18797574.3	27.06.2019
(72) HONDA Eiichi	(47) 21.09.2022	(22) 12.12.2018
HIRAKAWA Manabu	(87) KR2018005297	(54) POLYETHYLENE COMPOSITION
YOSHIMURA Yasuaki	15.11.2018	HAVING ENVIRONMENTAL STRESS
SATAKE Yuichiro	(22) 09.05.2018	CRACKING RESISTANCE
(31) 2019079219	(54) ADDITIVE FOR EPOXY ADHESIVE AND	(73) Basell Polyolefine GmbH
(32) 18.04.2019	EPOXY ADHESIVE COMPOSITION	(72) DOETSCH, Diana
(33) Japan	FOR CONSTRUCTION INCLUDING	MARCZINKE, Bernd Lothar
(51) C08G 64/18	SAME	MEIER, Gerhardus
C08G 64/34	(73) Pusan National University Industry-	SCHUELLER, Ulf
C08G 65/26	University Cooperation Foundation	FIBLA, Claudio
(11) EP3697829	Korea University Research and Business	SATTEL, Rainer
(21) EP18783520.2	Foundation	BISSON, Peter
(47) 21.09.2022	(72) CHOE, Young Sun	(31) 17207910
(87) EP2018078186	BANG, Joona	(32) 18.12.2017
25.04.2019	MOON, Jun Soo	(33) European Patent Office (EPO)
(22) 16.10.2018	(31) 20170059010	(51) C08L 23/22
(54) DIBLOCK COPOLYMERS AND THEIR	(32) 12.05.2017	C08L 9/06
USE AS SURFACTANTS	(33) Korea (Republic)	C08K 9/06
(73) Covestro Intellectual Property GmbH &	(51) C08J 5/18	C08K 3/36
Co. KG	B32B 27/32	C09C 1/30
(72) STUTE, Annika, Margarete, Ingrid	B32B 27/08	C09C 3/00
MEURESCH, Markus	C08F 210/16	(11) EP3408329
GÜRTLER, Christoph	(11) EP3224303	(21) EP17702544.2
WOLF, Aurel	(21) EP15798023.6	(47) 21.09.2022
SCHOMÄCKER, Reinhard	(47) 21.09.2022	(87) EP2017051113
GRADZIELSKI, Michael	(87) EP2015076963	03.08.2017
TUPINAMBA LIMA, Michelle	02.06.2016	(22) 19.01.2017
SPIERING, Vivian	(22) 18.11.2015	(54) METHOD FOR TESTING THE IN SITU
(31) 18199504	(54) FILM LAYER	SILANIZATION OF LIGHT FILLERS
17196961	(73) Borealis AG	(73) LANXESS Deutschland GmbH
(32) 10.10.2018	(72) KELA, Jarmo	(72) SCHRÖDER, Andreas
18.10.2017	NIEDERSÜSS, Peter	WAWRZINSKI, Lars
(33) European Patent Office (EPO)	ÄÄRILÄ, Jari	GRÄFF, Ludwig
European Patent Office (EPO)	VAHTERI, Markku	SCHILLING, Jürgen
(51) C08G 77/08	PRADES, Floran	(31) 16152537
C08G 77/10	JAMIESON, John	(32) 25.01.2016
C08G 77/16	DE WEVER, Willem	(33) European Patent Office (EPO)
C08L 83/04	(31) 14194870	(51) C08L 25/12
(11) EP3841154	(32) 26.11.2014	C08L 33/12
(21) EP19752583.5	(33) European Patent Office (EPO)	C08L 55/02
(47) 21.09.2022	(51) C08L 7/00	(11) EP3623421
(87) US2019040441	B60C 1/00	(21) EP19771730.9
27.02.2020	(11) EP3818103	(47) 21.09.2022
(22) 03.07.2019	(21) EP19753414.2	(87) KR2019003201
(54) METHOD FOR CONDENSATION	(47) 21.09.2022	26.09.2019
POLYMERIZATION OF	(87) FR2019051608	(22) 19.03.2019
HYDROXYL-TERMINATED	09.01.2020	(54) THERMOPLASTIC RESIN
POLYDIORGANOSILOXANES	(22) 28.06.2019	COMPOSITION
(73) Dow Silicones Corporation	(54) RUBBER COMPOSITION COMPRISING	(73) LG Chem, Ltd.
Dow Global Technologies LLC	AN EPOXY RESIN AND AN	(72) KANG, Byoung Il
(72) BELOWICH, Matthew	AMINO BENZOATE DERIVATIVE	CHOI, Eun Jung
RICKARD, Mark	(73) COMPAGNIE GENERALE DES	(31) 20190030765
PUSHKAREV, Vladimir	ETABLISSEMENTS MICHELIN	20180032286
HAN, Shuangbing	(72) BELIN, Lionel	(32) 18.03.2019
AUYEUNG, Evelyn	BONNETTE, Fabien	20.03.2018
ROBERTS, John	LANDREAU, Emmanuel	(33) Korea (Republic)
PETERSON, Thomas	LAUBRY, Philippe	Korea (Republic)
(31) 201862722345 P	(31) 1856074	(51) C08L 33/04

C08L 33/12	(73) Tatsuta Electric Wire & Cable Co., Ltd.	(11) EP3714016
C08L 83/08	(72) TAKAHASHI, Akio	(21) EP18807989.1
C09D 133/12	TERADA, Tsunehiko	(47) 21.09.2022
C09D 183/08	(31) 2014156689	(87) EP2018082362
C08L 83/12	(32) 31.07.2014	31.05.2019
C09D 183/12	(33) Japan	(22) 23.11.2018
(11) EP3864086	(51) C09D 4/02	(54) ADHESIVE TAPES BASED ON EPOXY
(21) EP19790986.4	C09D 11/10	RESIN REACTIVE ADHESIVES
(47) 21.09.2022	C09D 11/101	(73) TESA SE
(87) US2019053931	C09D 11/102	(72) SCHUH, Christian
16.04.2020	C09D 11/107	KIRPICENOK, Olga
(22) 01.10.2019	C09D 11/30	WEDEL, Nadine
(54) WATERBORNE COMPOSITION	C07C 229/30	(31) 102017221072
(73) Dow Global Technologies LLC	C09D 4/00	(32) 24.11.2017
Rohm and Haas Company	C08F 220/20	(33) Germany
(72) CONNER, David M.	(11) EP3292174	(51) C09J 101/00
WESTMEYER, Mark D.	(21) EP16789966.5	C09J 105/00
BAUMANN, Robert	(47) 21.09.2022	C09J 11/06
(31) 201862743703 P	(87) US2016030653	C09J 189/00
(32) 10.10.2018	10.11.2016	D04H 1/64
(33) United States of America	(22) 04.05.2016	C03C 25/32
(51) C08L 83/10	(54) ENERGY CURABLE INKJET INKS	C08K 5/07
C08G 77/448	FOR THE PRODUCTION OF LAYERED	C08L 3/02
(11) EP3719077	COMPOSITES	C08L 5/00
(21) EP19166712.0	(73) Sun Chemical Corporation	C08L 89/00
(47) 21.09.2022	(72) HALL, Stephen Anthony	(11) EP3156467
(22) 02.04.2019	BUDDEN, Thomas Michael	(21) EP15806551.6
(54) SILOXANE-CONTAINING BLOCK	(31) 201562158117 P	(47) 21.09.2022
COPOLYCARBONATES WITH SMALL	(32) 07.05.2015	(87) KR2015005740
DOMAIN SIZES	(33) United States of America	17.12.2015
(73) Covestro Deutschland AG	(51) C09D 11/52	(22) 09.06.2015
(72) MEYER, Alexander	C09D 5/24	(54) AQUEOUS BINDER COMPOSITION
LIESENFELDER, Ulrich	H01B 13/00	HAVING RECYCLABLE PROCESS
HUGGINS, John	H01B 1/22	WATER, AND METHOD FOR BINDING
(51) C08L 89/06	(11) EP3354698	FIBROUS MATERIAL BY USING SAME
C08J 3/24	(21) EP16860139.1	(73) Kcc Corporation
C08H 1/02	(47) 21.09.2022	(72) HONG, Seung Min
C08H 1/06	(87) KR2016011824	KIM, Yong Joo
C12N 5/0793	04.05.2017	LEE, Song Yi
C12N 5/071	(22) 20.10.2016	(31) 20140070339
(11) EP3921372	(54) INK COMPOSITION FOR PHOTONIC	(32) 10.06.2014
(21) EP20704362.1	SINTERING AND METHOD FOR	(33) Korea (Republic)
(47) 21.09.2022	PRODUCING SAME	(51) C09J 133/08
(87) IB2020050867	(73) Korea Research Institute of Chemical	C09J 133/10
13.08.2020	Technology	C08L 63/00
(22) 04.02.2020	(72) LEE, Su Yeon	C09J 11/08
(54) PROTEIN HYDROGEL, PREPARATION	CHOI, Young Min	C09J 11/04
METHOD AND USE THEREOF	JEONG, Sun Ho	C09J 7/00
(73) Real Research Sp. z o.o.	RYU, Beyong Hwan	B32B 27/00
(72) KRZYKAWSKI, Marcin Przemyslaw	KIM, Tae Gon	C08F 220/32
KRZYKAWSKA, Renata	OH, Sang Jin	C08K 3/08
(31) 19460008	LEE, Eun Jung	C08K 3/22
(32) 04.02.2019	JO, Ye Jin	C09D 133/06
(33) European Patent Office (EPO)	(31) 20150149140	(11) EP3705547
(51) C08L 101/12	20150148667	(21) EP18904040.5
C08K 3/08	(32) 27.10.2015	(47) 21.09.2022
H01B 1/22	26.10.2015	(87) KR2018016352
H01B 5/14	(33) Korea (Republic)	08.08.2019
H02N 11/00	Korea (Republic)	(22) 20.12.2018
(11) EP3196257	(51) C09J 7/10	(54) ADHESIVE FILM FOR
(21) EP15827280.7	C08G 59/50	SEMICONDUCTOR
(47) 21.09.2022	C08G 59/18	(73) LG CHEM, LTD.
(87) JP2015071387	C08L 63/00	(72) JANG, Jong Min
04.02.2016	C08L 9/02	KIM, Heejung
(22) 28.07.2015	C09J 7/35	LEE, Kwang Joo
(54) CONDUCTIVE COMPOSITION AND	C08G 59/40	(31) 20180157086
CONDUCTIVE SHEET CONTAINING	C08G 59/42	20180013603
THE SAME	C09J 163/00	(32) 07.12.2018

02.02.2018	C10B 53/02	(21) EP20204802.1
(33) Korea (Republic)	F27B 3/04	(47) 21.09.2022
Korea (Republic)	F27B 9/14	(22) 29.10.2020
(51) C09J 163/00	F27B 9/18	(54) PELLETIZING FACILITY FOR THE
B29C 65/48	F27D 3/04	GENERATION OF SOLID RECOVERED
B29C 65/00	(11) EP3856870	FUEL PELLETS
B29C 65/02	(21) EP19773836.2	(73) RWE Generation NL B.V.
C09J 5/06	(47) 21.09.2022	(72) Eurlings, Johannes Theodorus Gerardus
(11) EP3802723	(87) EP2019075954	Marie
(21) EP19731011.3	02.04.2020	(51) C10M 101/02
(47) 21.09.2022	(22) 25.09.2019	C10M 171/00
(87) US2019032556	(54) MULTI-SHELF FURNACE COMPRISING	C10G 67/14
05.12.2019	ARMS BEARING RABBLE TEETH OF	C10M 109/00
(22) 16.05.2019	OPTIMIZED PROFILE, APPLICATION	C10G 65/12
(54) METHOD FOR BONDING USING ONE-	TO THE ROASTING OF BIOMASS	C10G 45/58
COMPONENT EPOXY ADHESIVE	(73) Commissariat à l'Energie Atomique et	(11) EP2563886
MIXTURES	aux Energies Alternatives	(21) EP10850817.7
(73) DDP Specialty Electronic Materials US,	Cockerrill Maintenance & Ingenierie S.A.	(47) 21.09.2022
LLC	(72) BERTHELLEMY, Alain	(87) KR2010007825
(72) LUTZ, Andreas	MELKIOR, Thierry	03.11.2011
SCHNEIDER, Daniel	BEL, Quentin	(22) 08.11.2010
MAEDER, Irene	COTTENIER, Gauthier	(54) METHOD OF MANUFACTURING HIGH
ASCHWANDEN, Marcel	LEBOUTTE, Didier	QUALITY LUBE BASE OIL USING
RAS, Michael	MARECHAL, Denis	UNCONVERTED OIL
(31) 201862677450 P	(31) 1858786	(73) SK Innovation Co., Ltd.
(32) 29.05.2018	(32) 26.09.2018	(72) NOH, Kyung Seok
(33) United States of America	(33) France	KIM, Yong Woon
(51) C09K 11/02	(51) C10G 27/04	KIM, Gyung Rok
C09K 11/56	C10G 27/06	RYU, Jae Wook
C09K 11/70	C10G 27/10	BAE, Sun Hyuk
H01L 51/00	C10G 19/02	JANG, Tae Young
(11) EP3816262	(11) EP3475394	CHOI, Sun
(21) EP20202771.0	(21) EP17731716.1	OH, Seung Hoon
(47) 21.09.2022	(47) 21.09.2022	(31) 20100040888
(22) 20.10.2020	(87) US2017036734	(32) 30.04.2010
(54) QUANTUM DOT-CONTAINING	28.12.2017	(33) Korea (Republic)
COMPLEX, AND LIGHT-EMITTING	(22) 09.06.2017	(51) C10M 169/04
DEVICE, OPTICAL MEMBER, AND	(54) OXIDATION PROCESS	C10N 20/04
DEVICE, EACH INCLUDING THE SAME	(73) Merichem Company	C10N 30/02
(73) Samsung Display Co., Ltd.	(72) GOMACH, Jeffrey, Bruce	C10N 40/04
(72) LIM, Ho	(31) 201615189154	(11) EP3551736
(31) 20190138770	(32) 22.06.2016	(21) EP17832483.6
(32) 01.11.2019	(33) United States of America	(47) 21.09.2022
(33) Korea (Republic)	(51) C10L 3/10	(87) EP2017082363
(51) C09K 11/06	C02F 1/04	21.06.2018
H01L 51/50	C02F 1/16	(22) 12.12.2017
C07C 13/567	C02F 9/00	(54) LUBRICANT COMPOSITION FOR
C07D 307/91	C02F 1/10	INDUSTRIAL GEARING COMING INTO
C07D 317/70	C02F 1/52	CONTACT WITH FOOD
C07D 493/04	C02F 1/08	(73) TotalEnergies OneTech
(11) EP3911716	C02F 1/06	(72) VALLA, Marie-Noëlle
(21) EP20700398.9	C02F 103/36	BENITO, Julien
(47) 21.09.2022	(11) EP3504305	(31) 1662312
(87) EP2020050845	(21) EP17847251.0	(32) 12.12.2016
23.07.2020	(47) 21.09.2022	(33) France
(22) 15.01.2020	(87) US2017048476	(51) C11D 1/82
(54) MATERIALS FOR ORGANIC	08.03.2018	C08G 77/46
ELECTROLUMINESCENT DEVICES	(22) 24.08.2017	C08L 83/12
(73) Merck Patent GmbH	(54) PROCESS FOR TREATING OIL AND	(11) EP3636733
(72) KOENEN, Nils	GAS WELL PRODUCED SALTWATER	(21) EP18200091.9
HAYER, Anna	(73) Moore, Joe Travis	(47) 21.09.2022
MAIER-FLAIG, Florian	(72) Moore, Joe Travis	(22) 12.10.2018
PFISTER, Jochen	(31) 201662495014 P	(54) SILICONE COMPOSITION AND ITS
HEIL, Holger	(32) 27.08.2016	APPLICATION AS AN ADDITIVE
(31) 19152285	(33) United States of America	IN DETERGENT COMPOSITION
(32) 17.01.2019	(51) C10L 5/46	TO ENHANCE FOAMABILITY AND
(33) European Patent Office (EPO)	B09B 3/00	CLEANING EFFECT
(51) C10B 7/02	(11) EP3992269	(73) Wacker Metroark Chemicals Pvt. Ltd.

(72) PAUL, Amit Kumar CHATTERJEE, Kalon GHOSH, Arjun, Dr. MONDAL, Pallab, Dr.	14.03.2019 (22) 10.09.2018 (54) DEVICE AND METHOD FOR EFFICIENT COOLING IN BREWERIES, AS WELL AS THE USE OF BEER THEREFOR	C07H 1/00 C07H 5/06 C07H 13/04 C07K 14/245 C12P 19/04 C12P 19/18 C12P 19/26 C12N 9/10 C12N 15/52
(51) C11D 3/20 C11D 7/26 A61K 8/37 C11D 17/00 C07C 69/33 A61K 8/92 A61K 8/06 A61Q 19/00 A61Q 19/10	(73) Kronos AG (72) SCHNEID, Ralph KAMMERLOHER, Helmut OTTMANN, Norbert ACHHAMMER, Simon BUCHHAUSER, Ulrich (31) 102017215924 (32) 08.09.2017 (33) Germany	(11) EP3467100 (21) EP18192520.7 (47) 21.09.2022 (22) 14.03.2014 (54) MICROORGANISMS AND METHODS FOR PRODUCING SIALYLATED AND N- ACETYLGLUCOSAMINE-CONTAINING OLIGOSACCHARIDES
(11) EP2986696 (21) EP14720999.3 (47) 21.09.2022 (87) GB2014051119 23.10.2014 (22) 10.04.2014 (54) FUNCTIONAL FLUID (73) Thos. Bentley & Son Limited (72) COX, Russell (31) 201306815 (32) 15.04.2013 (33) United Kingdom	(51) C12M 1/34 C12Q 1/6816 C12Q 1/6827 (11) EP3491116 (21) EP17835418.9 (47) 21.09.2022 (87) US2017044705 01.02.2018 (22) 31.07.2017 (54) HIGH SPEED NUCLEIC ACID MELTING ANALYSIS	(73) Glycosyn LLC (72) MERIGHI, Massimo HEIDTMAN, Ian Matthew MCCOY, John M. (31) 201361782999 P (32) 14.03.2013 (33) United States of America
(51) C11D 3/50 C11D 17/00 C11D 3/20 C11D 3/28 C11D 3/33 (11) EP3850074 (21) EP19737774.0 (47) 21.09.2022 (87) EP2019069045 23.01.2020 (22) 15.07.2019 (54) BENEFIT AGENT DELIVERY PARTICLES (73) Unilever IP Holdings B.V. (72) JONES, Craig, Warren JIMENEZ SOLOMON, Maria Fernanda (31) 18183979 (32) 17.07.2018 (33) European Patent Office (EPO)	(31) 201762530481 P 201762503550 P 201662368435 P (32) 10.07.2017 09.05.2017 29.07.2016 (33) United States of America United States of America United States of America	(51) C12N 5/071 A61L 27/36 (11) EP2262891 (21) EP09706122.0 (47) 21.09.2022 (87) US2009032697 06.08.2009 (22) 30.01.2009 (54) EXTRACELLULAR MATRIX COMPOSITIONS (73) Histogen, Inc. (72) NAUGHTON, Gail, K. ZIEGLER, Frank BAUMGARTNER, Mark NICKEY, Kyle (31) 50940 P 34361 P 24854 P (32) 06.05.2008 06.03.2008 30.01.2008 (33) United States of America United States of America United States of America
(51) C11D 17/00 C11D 3/48 C11D 3/20 (11) EP3947624 (21) EP20711955.3 (47) 21.09.2022 (87) EP2020057947 08.10.2020 (22) 23.03.2020 (54) CLEANING COMPOSITIONS (73) Unilever IP Holdings B.V. (72) APPAVOO, Shanthi NAIR, Rohini, Sukumaran VADHYAR, Jayashree, Anantharam (31) 19166747 (32) 02.04.2019 (33) European Patent Office (EPO)	(51) C12M 1/38 C12M 1/36 C12M 1/34 C12M 1/12 C12M 1/02 (11) EP3858973 (21) EP19916522.6 (47) 21.09.2022 (87) CN2019085666 27.08.2020 (22) 06.05.2019 (54) SIMULATION SYSTEM FOR SIMULATING EXTREME ENVIRONMENT OF DEEP SEA HYDROTHERMAL VENT (73) China Ship Scientific Research Center (the 702 Institute of China Shipbuilding Industry Corporation)	(51) C12N 5/074 C12N 15/86 C12N 15/867 A61K 35/34 A61K 35/30 C12N 5/079 C12N 5/077 (11) EP3397752 (21) EP16882595.8 (47) 21.09.2022 (87) US2016068979 06.07.2017 (22) 28.12.2016 (54) INDUCED PACEMAKER AND PURKINJE CELLS FROM ADULT STEM CELLS (73) InGeneron Inc. Alliance of Cardiovascular Researchers (72) ALT, Eckhard KARIMI, Tahereh
(51) C12C 7/26 C12C 13/00 F25B 39/04 (11) EP3679120 (21) EP18769637.2 (47) 21.09.2022 (87) EP2018074267	(72) LIU, Hao YE, Cong (31) 201910131901 (32) 22.02.2019 (33) China (51) C12N 1/21	

(31) 201514980274	(72) YAMAMOTO, Kenta	(21) EP16742455.5
(32) 28.12.2015	KISHIDA, Tsunao	(47) 21.09.2022
(33) United States of America	YAMAMOTO, Toshiro	(87) US2016038258
(51) C12N 5/077	MAZDA, Osam	22.12.2016
(11) EP3129468	(31) 2014012441	(22) 17.06.2016
(21) EP15741940.9	2013156025	(54) NOVEL CRISPR ENZYMES AND
(47) 21.09.2022	(32) 27.01.2014	SYSTEMS
(87) EP2015057521	26.07.2013	(73) The Broad Institute, Inc.
15.10.2015	(33) Japan	Massachusetts Institute of Technology
(22) 07.04.2015	Japan	President and Fellows of Harvard
(54) IMPROVED STEM CELL	(51) C12N 15/09	College
COMPOSITION	C12Q 1/68	Rutgers, the State University of New
(73) Mesoblast International Sàrl	(11) EP3572510	Jersey
(72) ITESCU, Silviu	(21) EP19181888.9	Skolkovo Institute Of Science And
SIMMONS, Paul	(47) 21.09.2022	Technology (SKOLTECH)
(31) 2014901247	(22) 20.11.2014	Severinov, Konstantin
(32) 07.04.2014	(54) T CELL RECEPTOR AND B CELL	Zhang, Feng
(33) Australia	RECEPTOR REPERTOIRE ANALYSIS	Wolf, Yuri I.
(51) C12N 15/09	SYSTEM, AND USE OF SAME IN	Shmakov, Sergey
(11) EP3110950	TREATMENT AND DIAGNOSIS	Semenova, Ekaterina
(21) EP15707625.8	(73) Repertoire Genesis Incorporation	Minakhin, Leonid
(47) 21.09.2022	(72) SUZUKI, Ryuji	Makarova, Kira S.
(87) EP2015054331	SHINI, Tadasu	Koonin, Eugene
03.09.2015	(31) 2013241405	Konermann, Silvana
(22) 02.03.2015	2013241404	Joung, Julia
(54) EXPRESSION CONSTRUCTS AND	2013241403	Gootenberg, Jonathan S.
METHODS FOR SELECTING HOST	(32) 21.11.2013	Abudayyeh, Omar O.
CELLS EXPRESSING POLYPEPTIDES	21.11.2013	Lander, Eric S.
(73) Ichnos Sciences SA	21.11.2013	The United States of America, as
(72) AEBISCHER-GUMY, Christel	(33) Japan	Represented by the Secretary,
MORETTI, Pierre	Japan	Department of Health and Human
BERTSCHINGER, Martin	Japan	Services
(31) 14157324	(51) C12N 15/10	(72) SEVERINOV, Konstantin
(32) 28.02.2014	(11) EP3663401	ZHANG, Feng
(33) European Patent Office (EPO)	(21) EP19160132.7	WOLF, Yuri, I.
(51) C12N 15/09	(47) 21.09.2022	SHMAKOV, Sergey
B32B 5/18	(22) 28.02.2019	SEMEANOVA, Ekaterina
C12Q 1/6806	(54) PURIFICATION PROCESS FOR	MINAKHIN, Leonid
C12Q 1/6883	BIOLOGICAL MOLECULES SUCH	MAKAROVA, Kira, S.
C12Q 1/6886	AS PLASMID DNA USING ANIONIC	KOONIN, Eugene
(11) EP3719138	EXCHANGE CHROMATOGRAPHY	KONERMANN, Silvana
(21) EP20156342.6	(73) Lonza Ltd	JOUNG, Julia
(47) 21.09.2022	(72) Zurbriggen, Andreas	GOOTENBERG, Jonathan, S.
(22) 07.06.2017	Cosandey, Ludovic	ABUDAYYEH, Omar, O.
(54) METHOD FOR PREPARING NUCLEIC	Balmer, Yves	LANDER, Eric, S.
ACID SAMPLE	(51) C12N 15/10	(31) 201662320231 P
(73) Kao Corporation	B03D 3/06	201662296522 P
(72) INOUE, Takayoshi	C12N 1/06	201562285349 P
HACHIYA, Akira	C12N 1/04	201562181675 P
(31) PCT/JP2016/070343	(11) EP3821007	(32) 08.04.2016
(32) 08.07.2016	(21) EP19734431.0	17.02.2016
(33) World Intellectual Property Office (WIPO)	(47) 21.09.2022	22.10.2015
(51) C12N 15/09	(87) EP2019067997	18.06.2015
C12N 5/10	16.01.2020	(33) United States of America
A61L 27/00	(22) 04.07.2019	United States of America
A61P 19/00	(54) METHOD AND APPARATUS FOR	United States of America
C12N 5/077	THE PURIFICATION OF EXTRA-	United States of America
C12N 15/85	CHROMOSOMAL NUCLEIC ACIDS	
(11) EP3026112	SEQUENCES	(51) C12N 15/10
(21) EP14829754.2	(73) Kaneka Eurogentec SA	C12Q 1/6844
(47) 21.09.2022	(72) JOST, Laurent	C40B 40/02
(87) JP2014069628	(31) 18183258	C40B 40/08
29.01.2015	(32) 12.07.2018	(11) EP3450554
(22) 24.07.2014	(33) European Patent Office (EPO)	(21) EP17775310.0
(54) OSTEOBLAST AND METHOD FOR	(51) C12N 15/10	(47) 21.09.2022
PREPARING SAME	C12N 9/22	(87) JP2017013076
(73) Kyoto Prefectural Public University	C12N 15/63	05.10.2017
Corporation	(11) EP3430134	(22) 29.03.2017

<p>(54) HIGH-SPEED IN VITRO SCREENING METHOD (73) Epsilon Molecular Engineering Inc. (72) NEMOTO, Naoto MIYAJIMA, Toshiaki MATSUKAWA, Yuta (31) 2016069064 (32) 30.03.2016 (33) Japan <hr/>(51) C12N 15/82 A01H 1/00 C12N 15/11 A01H 6/20 (11) EP2302061 (21) EP10176191.4 (47) 21.09.2022 (22) 25.07.2003 (54) Clubroot resistant brassica oleracea plants (73) Syngenta Participations AG (72) Linders, Enrico Gerardus Albertus Tjeertes, Peter De Haas, Johannes Maria Huang, Cai-Cheng (31) 0217406 (32) 26.07.2002 (33) United Kingdom <hr/>(51) C12P 7/18 C12N 9/04 (11) EP3347478 (21) EP15790654.6 (47) 21.09.2022 (87) IB2015001890 16.03.2017 (22) 10.09.2015 (54) NEW LACTALDEHYDE REDUCTASES FOR THE PRODUCTION OF 1,2-PROPANEDIOL (73) Metabolic Explorer (72) BESTEL CORRE, Gwénaëlle ALIPRANDI, Pascale <hr/>(51) C12Q 1/04 G01N 33/68 G01N 33/92 (11) EP3884062 (21) EP19805685.5 (47) 21.09.2022 (87) EP2019082054 28.05.2020 (22) 21.11.2019 (54) USE OF BACTERIAL EXTRACELLULAR VESICLES AS A BIOMARKER FOR INTESTINAL BARRIER PERMEABILITY AND MICROBIAL DYSBIOSIS (73) Universiteit Gent (72) HENDRIX, An DE WEVER, Olivier TULKENS, Joeri (31) 18207847 (32) 22.11.2018 (33) European Patent Office (EPO) <hr/>(51) C12Q 1/6806 C12Q 1/6855 (11) EP3872187 (21) EP21168956.7 (47) 21.09.2022 (22) 23.04.2018</p>	<p>(54) COMPOSITIONS AND METHODS FOR IMPROVING SAMPLE IDENTIFICATION IN INDEXED NUCLEIC ACID LIBRARIES (73) Illumina Cambridge Limited Illumina, Inc. (72) VERMAAS, Eric, Hans KHOSROHEIDARI, Mahdieh KALBANDE, Angela (31) 201762488830 P (32) 23.04.2017 (33) United States of America <hr/>(51) C12Q 1/6806 C12Q 1/6869 (11) EP3452621 (21) EP18708547.7 (47) 21.09.2022 (87) US2018018824 30.08.2018 (22) 20.02.2018 (54) TAGMENTATION USING IMMOBILIZED TRANSPOSOMES WITH LINKERS (73) Illumina Inc. Illumina Cambridge Limited (72) DESANTIS, Grace GROSS, Stephen M. LI, Jian-Sen MORRELL, Natalie SLATTER, Andrew SHEN, Kevin SNOW, Samantha (31) 201762461620 P (32) 21.02.2017 (33) United States of America <hr/>(51) C12Q 1/6809 C12Q 1/6806 (11) EP3626834 (21) EP19194392.7 (47) 21.09.2022 (22) 10.07.2015 (54) SEMI-RANDOM BARCODES FOR NUCLEIC ACID ANALYSIS (73) Qiagen Sciences, LLC (72) WANG, Yexun WU, Zhong (31) 201462024590 P (32) 15.07.2014 (33) United States of America <hr/>(51) C21B 7/10 C21C 5/46 F27B 1/24 F27B 3/24 F27D 1/12 F27D 9/00 (11) EP3540081 (21) EP18161931.3 (47) 21.09.2022 (22) 15.03.2018 (54) STAVE PROTECTION SYSTEM (73) Primetals Technologies Limited (72) Atkinson, James McDonald, Ian James Osborne, David <hr/>(51) C21C 5/52 F27D 3/15 F27B 3/10 F27B 3/18 F27B 3/08</p>	<p>C21C 5/46 C21C 5/28 C21C 5/54 C21B 11/10 (11) EP3548640 (21) EP16923091.9 (47) 21.09.2022 (87) CN2016108420 07.06.2018 (22) 02.12.2016 (54) CONVERTIBLE METALLURGICAL FURNACE AND MODULAR METALLURGICAL PLANT COMPRISING SAID FURNACE FOR CONDUCTING PRODUCTION PROCESSES FOR THE PRODUCTION OF METALS IN THE MOLTEN STATE, IN PARTICULAR STEEL OR CAST IRON (73) Tenova S.p.A. (72) REALI, Silvio Maria GIAVANI, Cesare VIRGLI, Giuseppino CATTALINI, Cristian <hr/>(51) C21D 1/19 C21D 1/22 C21D 1/673 (11) EP3704276 (21) EP18807182.3 (47) 21.09.2022 (87) US2018059006 09.05.2019 (22) 02.11.2018 (54) PRESS HARDENED STEEL WITH TAILORED PROPERTIES AFTER NOVEL THERMAL TREATMENT (73) Cleveland-Cliffs Steel Properties Inc. (72) PAVLINA, Erik, James TATE, Stephen, Bryant THOMAS, Grant, Aaron (31) 201762580662 P (32) 02.11.2017 (33) United States of America <hr/>(51) C21D 9/00 C21D 9/46 C21D 1/34 F27B 9/16 F27B 9/36 (11) EP3868902 (21) EP20158684.9 (47) 21.09.2022 (22) 21.02.2020 (54) METHOD FOR MOULDING A SHEET INTO A COMPONENT OF COMPLEX SHAPE HAVING AREAS WITH DIFFERENT MECHANICAL PROPERTIES, PARTICULARLY A MOTOR-VEHICLE COMPONENT, AND KILN FOR HEATING A SHEET PRIOR TO A FORMING STEP. (73) C.R.F. Società Consortile per Azioni (72) BASSAN, Mr. Daniele COLOSSEO, Mr. Marco <hr/>(51) C21D 9/00 C21D 9/46 F27B 9/16 F27B 9/36 C21D 1/673 C21D 1/34</p>
---	--	--

(11) EP3868901	Spring Power Limited	MARKER AND METHOD FOR
(21) EP20158668.2	(72) JIN, Jifan	ADJUSTING DISTANCE BETWEEN
(47) 21.09.2022	(31) 201610395159	CRUCIBLE AND SUBSTRATE
(22) 21.02.2020	(32) 06.06.2016	(73) China Triumph International Engineering
(54) METHOD FOR MOULDING A	(33) China	Co., Ltd.
SHEET INTO A COMPONENT OF	(51) C22C 9/00	CTF Solar GmbH
COMPLEX SHAPE HAVING AREAS	C22C 21/00	(72) PENG, Shou
WITH DIFFERENT MECHANICAL	C22C 29/00	HARR, Michael
PROPERTIES, PARTICULARLY A	G02B 5/08	YIN, Xinjian
MOTOR-VEHICLE COMPONENT, AND	(11) EP3489374	FU, Ganhua
KILN FOR HEATING A SHEET PRIOR	(21) EP18207117.5	SPATH, Bettina
TO A FORMING STEP.	(47) 21.09.2022	MISCHKE, Marcel
(73) C.R.F. Società Consortile per Azioni	(22) 14.01.2012	SIEPCHEN, Bastian
(72) BASSAN, Daniele	(54) MIRRORS FOR EUV LITHOGRAPHY	
COLOSSEO, Marco	(73) Carl Zeiss SMT GmbH	(51) C23C 16/26
	(72) EKSTEIN, Claudia	C23C 16/34
(51) C21D 9/08	MALTOR, Holger	H01J 35/18
C21D 9/50	(31) 102011002953	H01J 5/18
C21D 1/30	201161434869 P	G01T 1/00
(11) EP2505677	(32) 21.01.2011	(11) EP3437117
(21) EP12250071.3	21.01.2011	(21) EP16896658.8
(47) 21.09.2022	(33) Germany	(47) 21.09.2022
(22) 26.03.2012	United States of America	(87) FI2016050193
(54) Method and apparatus for relieving stress		05.10.2017
in a pipeline	(51) C22C 38/14	(22) 29.03.2016
(73) Linde GmbH	C22C 38/22	(54) RADIATION WINDOW STRUCTURE
(72) Veldsman, Walter Mark	C23C 2/40	AND A METHOD FOR
Rand, Christopher	C21D 1/19	MANUFACTURING THE RADIATION
(31) 201105523	C21D 1/22	WINDOW STRUCTURE
(32) 31.03.2011	C21D 1/76	(73) AMETEK Finland Oy
(33) United Kingdom	C22C 38/00	(72) SIPILÄ, Heikki Johannes
	C21D 9/46	
(51) C21D 9/54	C22C 38/38	(51) C23C 16/34
C21D 8/06	C21D 6/00	C23C 16/455
G02B 27/64	C21D 8/02	H01L 21/02
C22F 3/00	C22C 38/02	(11) EP3329032
(11) EP3356566	C22C 38/04	(21) EP16748443.5
(21) EP16852532.7	C22C 38/06	(47) 21.09.2022
(47) 21.09.2022	(11) EP3770292	(87) US2016044472
(87) US2016054274	(21) EP19772071.7	09.02.2017
06.04.2017	(47) 21.09.2022	(22) 28.07.2016
(22) 29.09.2016	(87) JP2019011486	(54) COMPOSITIONS AND METHODS FOR
(54) THERMO-MECHANICAL	26.09.2019	DEPOSITING SILICON NITRIDE FILMS
STABILIZATION OF NITINOL WIRES IN	(22) 19.03.2019	(73) Versum Materials US, LLC
AN OPTICAL IMAGE STABILIZATION	(54) HIGH-STRENGTH COLD-ROLLED	(72) LEI, Xinjian
SUSPENSION	STEEL SHEET AND MANUFACTURING	KIM, Moo-Sung
(73) Hutchinson Technology Incorporated	METHOD THEREFOR	XIAO, Manchao
(72) MYERS, Dean E.	(73) NIPPON STEEL CORPORATION	(31) 201562199593 P
SCHEELE, Bryan J.	(72) NISHIO Takuya	(32) 31.07.2015
SCHEELE, Daniel W.	AKIBA Kojiro	(33) United States of America
LADWIG, Peter F.	NARITA Yoshimasa	
JENNEKE, Richard R.	OHNO Kotaro	(51) C23C 18/12
JOHNSON, Randy, J.	KATO Satoshi	(11) EP2553145
(31) 201562234795 P	AZUMA Masafumi	(21) EP10717670.3
(32) 30.09.2015	(31) 2018051020	(47) 21.09.2022
(33) United States of America	(32) 19.03.2018	(87) FI2010050246
	(33) Japan	06.10.2011
(51) C22B 5/02	(51) C23C 14/24	(22) 29.03.2010
C22B 21/00	C23C 14/50	(54) ETCH RESISTANT ALUMINA BASED
C22B 21/02	C23C 14/56	COATINGS
(11) EP3470551	H01L 31/20	(73) Pibond Oy
(21) EP17809595.6	(11) EP3717675	(72) RANTALA, Juha
(47) 21.09.2022	(21) EP17933351.3	GÄDDA, Thomas
(87) CN2017083575	(47) 21.09.2022	LI, Wei-Min
14.12.2017	(87) CN2017114304	THOMAS, David A.
(22) 09.05.2017	06.06.2019	McLAUGHLIN, William
(54) ALUMINUM HYDROXIDE SOLAR	(22) 01.12.2017	
POWERED THERMAL REDUCTION	(54) PHYSICAL VAPOR DEPOSITION	(51) C23C 28/00
DEVICE FOR ALUMINUM-AIR FUEL	SYSTEM COMPRISING POSITIONING	C23C 4/02
CELL		B05B 5/00
(73) Lanzhou Jinfule Biotechnology Co. Ltd.		B05B 5/025
		B05B 7/20

B05B 7/22	CARRILLO OJEDA, Antonio J.	(33) Germany
C23C 4/10	MCENEANY, Ryan, J.	(51) D06F 39/12
C23C 4/11	TOWER, Theodore, T.	D06F 58/20
C23C 4/18	(31) 201562266122 P	D06F 58/24
(11) EP3369844	(32) 11.12.2015	(11) EP3674475
(21) EP18159402.9	(33) United States of America	(21) EP19211675.4
(47) 21.09.2022	(51) D03D 3/08	(47) 21.09.2022
(22) 01.03.2018	A61F 2/06	(22) 26.11.2019
(54) THERMAL BARRIER COATING	A61L 27/18	(54) SUPPLEMENTAL CONDENSATE
COMPOSITIONS, METHODS OF	A61L 27/50	DELIVERY SYSTEM HAVING A SNAP-
MANUFACTURE THEREOF AND	D03D 1/00	IN DRAIN MEMBER
ARTICLES COMPRISING THE SAME	D03D 3/02	(73) Whirlpool Corporation
(73) Raytheon Technologies Corporation	D06C 7/02	(72) Schurr, Daniel A.
(72) OPALKA, Susanne M.	D06J 1/00	(31) 201816235678
LI, Weina	D06M 11/00	(32) 28.12.2018
(31) 201715449673	D03D 17/00	(33) United States of America
(32) 03.03.2017	(11) EP3725925	(51) D06F 75/10
(33) United States of America	(21) EP18887406.9	D06F 75/12
(51) C25B 1/04	(47) 21.09.2022	(11) EP3173519
C25B 9/00	(87) JP2018041497	(21) EP16201300.7
C25B 15/00	20.06.2019	(47) 21.09.2022
C02F 1/467	(22) 08.11.2018	(22) 30.11.2016
(11) EP3739085	(54) WOVEN FABRIC AND METHOD FOR	(54) IRONING APPARATUS AND
(21) EP19211173.0	MANUFACTURING SAME	CORRESPONDING DEVICE TO
(47) 21.09.2022	(73) Toray Industries, Inc.	REGULATE STEAM
(22) 25.11.2019	(72) YAMADA, Satoshi	(73) De' Longhi Appliances S.r.l. Con Unico
(54) HYDROGEN WATER GENERATOR	TANAKA, Nobuaki	Socio
(73) LG Electronics Inc.	TSUCHIKURA, Hiroshi	(72) De' Longhi, Giuseppe
(72) YOO, Hyun Sun	(31) 2017240553	Scian, Luciano
KIM, Joo Gyeom	(32) 15.12.2017	Visentin, Andrea
CHUN, Jae Hung	(33) Japan	(31) UB20155998
(31) 20190083291	(51) D04C 1/06	(32) 30.11.2015
20190056375	A43B 23/02	(33) Italy
(32) 10.07.2019	A43B 23/04	(51) D21B 1/16
14.05.2019	(11) EP3631070	D21C 9/00
(33) Korea (Republic)	(21) EP18733437.0	D21D 1/00
Korea (Republic)	(47) 21.09.2022	D21H 11/00
(51) C25D 3/38	(87) US2018035408	D21H 11/18
(11) EP2586893	06.12.2018	(11) EP3617400
(21) EP12189639.3	(22) 31.05.2018	(21) EP19191371.4
(47) 21.09.2022	(54) BRAIDED ARTICLES AND METHODS	(47) 21.09.2022
(22) 23.10.2012	FOR THEIR MANUFACTURE	(22) 30.03.2009
(54) COPPER PLATING BATH AND	(73) Nike Innovate C.V.	(54) USE OF NANOFIBRILLAR CELLULOSE
CORRESPONDING METHOD	(72) BRUCE, Robert M.	SUSPENSIONS
(73) Rohm and Haas Electronic Materials LLC	LEE, Eun Kyung	(73) FiberLean Technologies Limited
(72) Niazimbetova, Zuhra I.	YOO, James Y.	(72) GANE, Patrick A.C.
Rzeznik, Maria Anna	ICHIKAWA, Chikao	SCHOELKOPF, Joachim
(31) 201113280135	(31) 201815993195	GANTENBEIN, Daniel
(32) 24.10.2011	201762512898 P	POHL, Michael
(33) United States of America	(32) 30.05.2018	KÜBLER, Beat
(51) D02J 1/22	31.05.2017	SCHENKER, Michel
D01F 1/08	(33) United States of America	(51) D21C 3/00
D04H 3/04	United States of America	D21C 11/00
D04H 3/007	(51) D05B 27/10	D21C 3/20
D04H 1/70	D05B 35/10	D21C 3/22
D04H 1/4291	(11) EP3516101	C07G 1/00
D04H 1/413	(21) EP17791284.7	(11) EP3209829
(11) EP3387175	(47) 21.09.2022	(21) EP15790857.5
(21) EP16873914.2	(87) EP2017001136	(47) 21.09.2022
(47) 21.09.2022	29.03.2018	(87) EP2015074187
(87) US2016065826	(22) 25.09.2017	28.04.2016
15.06.2017	(54) SEWING MACHINE WITH A PULLING	(22) 19.10.2015
(22) 09.12.2016	DEVICE AND SEWING PROCESS	(54) METHOD FOR PRECIPITATING LIGNIN
(54) METHOD FOR FORMING POROUS	(73) Pfaff Industriesysteme und Maschinen	FROM ORGANOSOLV PULPING
FIBERS	GmbH	LIQUORS
(73) Kimberly-Clark Worldwide, Inc.	(72) MANUEL, Karl-Ludwig	(73) Max-Planck-Gesellschaft zur Förderung
(72) SCHOLL, Neil, T.	(31) 102016011557	der Wissenschaften e.V.
TOPOLKARAEV, Vasily, A.	(32) 26.09.2016	

Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	(51) E01F 15/14	E02F 9/22
(72) LESCHINSKY, Moritz	E01F 13/12	(11) EP3306112
UNKELBACH, Gerd	(11) EP3686346	(21) EP16803218.3
SCHULZE, Peter	(21) EP20460004.3	(47) 21.09.2022
LORENZ, Heike	(47) 21.09.2022	(87) JP2016065643
SEIDEL MORGENSTERN, Andreas	(22) 24.01.2020	08.12.2016
(31) 102014221238	(54) CRASH CUSHION	(22) 26.05.2016
(32) 20.10.2014	(73) Wojskowa Akademia Techniczna	(54) CONSTRUCTION-MACHINE
(33) Germany	(72) Kedzierski, Piotr	HYDRAULIC CONTROL DEVICE
(51) E01B 25/30	Dziewulski, Pawel	(73) Hitachi Construction Machinery Co., Ltd.
(11) EP2497581	(31) 42869519	(72) YAMASHITA, Ryohei
(21) EP11157809.2	(32) 28.01.2019	IMURA, Shinya
(47) 21.09.2022	(33) Poland	ISHIKAWA, Kouji
(22) 11.03.2011	(51) E02D 3/12	MORIKI, Hidekazu
(54) STEEL RAIL BEAM FOR A MAGNETIC TRAIN, METHOD AND SYSTEM FOR MANUFACTURING SUCH BEAM	(11) EP3165678	AMANO, Hiroaki
(73) Steel-Invest Ltd	(21) EP15799627.3	(31) 2015111733
(72) Hauta-aho, Seppo	(47) 21.09.2022	(32) 01.06.2015
(51) E01B 29/28	(87) JP2015065174	(33) Japan
B25B 23/14	03.12.2015	(51) E03F 5/04
B23P 19/06	(22) 27.05.2015	(11) EP3705655
B25B 21/02	(54) GROUND IMPROVEMENT METHOD	(21) EP20159278.9
B25B 23/142	(73) Daisho Chemical R&d Inc.	(47) 21.09.2022
B25F 5/00	Sonic Foundation Pte Ltd.	(22) 25.02.2020
(11) EP3749806	(72) HANEDA, Ataru	(54) FLOOR DRAIN FOR REMOVING WATER FROM A WALKABLE FLOOR INTO A SEWER PIPE
(21) EP18729615.7	(31) 2014166456	(73) Viega Technology GmbH & Co. KG
(47) 21.09.2022	2014109733	(72) Kolarec, Daniel
(87) EP2018064024	(32) 19.08.2014	Schäfer, Patrick
05.12.2019	28.05.2014	Helms, Marcel
(22) 29.05.2018	(33) Japan	Schulte, Reinhard
(54) IMPACT WRENCH FOR TIGHTENING AND LOOSENING NUTS AND SCREWS OF A RAIL	(51) E02F 5/10	(31) 202019001078 U
(73) Robel Bahnbaumaschinen GmbH	(11) EP3036380	(32) 08.03.2019
(72) WIDLROITHER, Otto	(21) EP14742117.6	(33) Germany
(51) E01C 23/088	(47) 21.09.2022	(51) E04B 5/36
(11) EP3825462	(87) US2014045144	E04B 1/80
(21) EP20208813.4	26.02.2015	(11) EP3279403
(47) 21.09.2022	(22) 01.07.2014	(21) EP17184978.9
(22) 20.11.2020	(54) PIPELINE BURIAL IN OFFSHORE AND ARCTIC OFFSHORE REGIONS	(47) 21.09.2022
(54) SELF-PROPELLED CONSTRUCTION MACHINE AND METHOD FOR DETERMINING THE USE OF A CONSTRUCTION MACHINE	(73) ExxonMobil Upstream Research Company	(22) 04.08.2017
(73) Wirtgen GmbH	(72) ARSLAN, Haydar	(54) METHOD OF MANUFACTURING A FLOOR SLAB AND FLOOR SLAB
(72) Wagner, Stefan	(31) 201361869383 P	(73) puren GmbH
(31) 102019131353	(32) 23.08.2013	(72) Ernst, Maximilian
(32) 20.11.2019	(33) United States of America	(31) 102016114572
(33) Germany	(51) E02F 9/20	(32) 05.08.2016
(51) E01C 23/088	G05D 1/02	(33) Germany
E01C 23/12	G01S 1/24	(51) E04D 1/16
B28D 7/02	G08C 17/02	E04D 1/00
B65G 69/18	(11) EP3446189	(11) EP3921486
(11) EP3832022	(21) EP17786254.7	(21) EP20707508.6
(21) EP20211020.1	(47) 21.09.2022	(47) 21.09.2022
(47) 21.09.2022	(87) SE2017050388	(87) FR2020050172
(22) 01.12.2020	26.10.2017	13.08.2020
(54) SOIL TREATMENT MACHINE WITH DUST EXTRACTION AND ROTATING FILTER CARTRIDGES	(22) 20.04.2017	(22) 03.02.2020
(73) Wirtgen GmbH	(54) SAFETY SYSTEM, METHOD AND COMPUTER PROGRAM FOR REMOTELY CONTROLLED WORK VEHICLES	(54) TILE HAVING A SUBSTANTIALLY FLAT STRUCTURE
(72) Drumm, Stephan	(73) HUSQVARNA AB	(73) Terreal
(31) 102019132886	(72) IDBRANT, Marcus	(72) MALE, Philippe
(32) 03.12.2019	ELOFSSON, Kristian	FREYSSINET, Jean Paul
(33) Germany	SIHM, Henrik	OGEZ, Rémi
(51) E01F 15/14	(31) 1650538	MAMAN, Khalid
E01F 13/12	(32) 21.04.2016	(31) 1901143
(11) EP3686346	(33) Sweden	(32) 05.02.2019
(21) EP20460004.3	(51) E02F 9/26	(33) France
(47) 21.09.2022	F15B 11/044	(51) E04F 13/08
(22) 24.01.2020		E04F 13/14
(54) CRASH CUSHION		(11) EP3771782
(73) Wojskowa Akademia Techniczna		
(72) Kedzierski, Piotr		
Dziewulski, Pawel		
(31) 42869519		
(32) 28.01.2019		
(33) Poland		
(51) E02D 3/12		
(11) EP3165678		
(21) EP15799627.3		
(47) 21.09.2022		
(87) JP2015065174		
03.12.2015		
(22) 27.05.2015		
(54) GROUND IMPROVEMENT METHOD		
(73) Daisho Chemical R&d Inc.		
Sonic Foundation Pte Ltd.		
(72) HANEDA, Ataru		
(31) 2014166456		
2014109733		
(32) 19.08.2014		
28.05.2014		
(33) Japan		
Japan		
(51) E02F 5/10		
(11) EP3036380		
(21) EP14742117.6		
(47) 21.09.2022		
(87) US2014045144		
26.02.2015		
(22) 01.07.2014		
(54) PIPELINE BURIAL IN OFFSHORE AND ARCTIC OFFSHORE REGIONS		
(73) ExxonMobil Upstream Research Company		
(72) ARSLAN, Haydar		
(31) 201361869383 P		
(32) 23.08.2013		
(33) United States of America		
(51) E02F 9/20		
G05D 1/02		
G01S 1/24		
G08C 17/02		
(11) EP3446189		
(21) EP17786254.7		
(47) 21.09.2022		
(87) SE2017050388		
26.10.2017		
(22) 20.04.2017		
(54) SAFETY SYSTEM, METHOD AND COMPUTER PROGRAM FOR REMOTELY CONTROLLED WORK VEHICLES		
(73) HUSQVARNA AB		
(72) IDBRANT, Marcus		
ELOFSSON, Kristian		
SIHM, Henrik		
(31) 1650538		
(32) 21.04.2016		
(33) Sweden		
(51) E02F 9/26		
F15B 11/044		

(21) EP20020346.1	(31) 2017099501	Taiwan, Province of China
(47) 21.09.2022	(32) 19.05.2017	Taiwan, Province of China
(22) 30.07.2020	(33) Japan	
(54) A COVERING ELEMENT SUPPORT ARRANGEMENT	(51) E05B 85/12	(51) E05F 5/00
(73) Masonry Support Systems Limited	B60J 5/04	E05F 5/02
(72) Sean, Coyle	E05B 85/02	(11) EP3214248
(31) 201913072	E05B 79/20	(21) EP16192745.4
201910870	E05B 79/22	(47) 21.09.2022
(32) 10.09.2019	E05B 79/06	(22) 07.10.2016
30.07.2019	(11) EP3633124	(54) DAMPING DEVICE AND FURNITURE HINGE COMPRISING THE SAME
(33) United Kingdom	(21) EP18805823.4	(73) King Slide Works Co., Ltd.
United Kingdom	(47) 21.09.2022	King Slide Technology Co., Ltd.
	(87) JP2018019877	(72) LIANG, Hsiu-Chiang
(51) E04G 21/12	29.11.2018	CHEN, Ken-Ching
B65B 13/28	(22) 23.05.2018	WANG, Chun-Chiang
(11) EP3497292	(54) VEHICLE HANDLE DEVICE	(31) 105117121
(21) EP17742176.5	(73) Alpha Corporation	105115661
(47) 21.09.2022	(72) KIN Lan	105106451
(87) EP2017066885	(31) 2017101445	(32) 31.05.2016
15.02.2018	(32) 23.05.2017	19.05.2016
(22) 06.07.2017	(33) Japan	02.03.2016
(54) METHOD FOR CALIBRATION AND / OR OPERATION OF A HAND TOOL AND HAND TOOL	(51) E05C 3/04	(33) Taiwan, Province of China
(73) Robert Bosch GmbH	(11) EP3882422	Taiwan, Province of China
(72) LEONG, Chi Hoe	(21) EP21162761.7	Taiwan, Province of China
GOH, Shu Wei	(47) 21.09.2022	
STUMM, Marco	(22) 16.03.2021	(51) E05F 5/02
SCHWENDE, Sebastian	(54) LOCK FOR PANEL OF AN AIRCRAFT	E05F 5/10
YIAP, Chien Wern	(73) LISI Aerospace	(11) EP3814595
TAN KAI XI, Benjamin	(72) ANTOINE, Jimmy	(21) EP19730121.1
(31) 102017209040	DEFRANCE, Vincent	(47) 21.09.2022
102016214730	(31) 2002593	(87) EP2019064488
(32) 30.05.2017	(32) 17.03.2020	02.01.2020
09.08.2016	(33) France	(22) 04.06.2019
(33) Germany	(51) E05D 3/02	(54) DAMPER
Germany	E05D 7/04	(73) Druck- und Spritzgußwerk Hettich GmbH & Co. KG
	E05D 5/04	(72) WASCHK, Stefan
(51) E05B 47/06	E05D 5/02	(31) 202018103637 U
(11) EP3848541	(11) EP3118404	(32) 26.06.2018
(21) EP20150731.6	(21) EP16172661.7	(33) Germany
(47) 21.09.2022	(47) 21.09.2022	
(22) 08.01.2020	(22) 02.06.2016	(51) E06B 3/663
(54) LOCK	(54) HINGE, IN PARTICULAR FOR PLASTIC DOORS AND PLASTIC WINDOWS	E06B 3/673
(73) W&F Locks OHG	(73) Simonswerk, Gesellschaft mit beschränkter Haftung	(11) EP3318713
(72) WAITZ, Karl-Heinz	(72) Bartels, Thomas	(21) EP17195481.1
FRESCHER, Konstantin	(31) 102015111308	(47) 21.09.2022
	(32) 13.07.2015	(22) 13.11.2008
(51) E05B 55/12	(33) Germany	(54) BOX SPACER WITH SIDEWALLS
(11) EP3892805	(51) E05F 5/00	(73) Guardian Glass, LLC
(21) EP20168170.7	E05F 5/02	(72) Trpkovski, Paul
(47) 21.09.2022	(11) EP3214246	(31) 49593
(22) 06.04.2020	(21) EP16192735.5	49599
(54) LATCH MODULE	(47) 21.09.2022	38803
(73) Uhlmann & Zacher GmbH	(22) 07.10.2016	987681 P
(72) Schmück, Karl-Heinz	(54) DAMPING DEVICE	(32) 01.05.2008
	(73) King Slide Works Co., Ltd.	01.05.2008
(51) E05B 79/20	King Slide Technology Co., Ltd.	24.03.2008
B60J 5/00	(72) Liang, Hsiu-Chiang	13.11.2007
E05B 79/06	Chen, Ken-Ching	(33) United States of America
E05B 85/12	Wang, Chun-Chiang	United States of America
E05B 79/22	(31) 105117121	United States of America
(11) EP3626921	105115661	United States of America
(21) EP18803071.2	105106451	
(47) 21.09.2022	(32) 31.05.2016	(51) E06B 3/70
(87) JP2018019207	19.05.2016	(11) EP3348770
22.11.2018	02.03.2016	(21) EP17210246.9
(22) 17.05.2018	(33) Taiwan, Province of China	(47) 21.09.2022
(54) HANDLE DEVICE FOR VEHICLE		(22) 22.12.2017
(73) Alpha Corporation		(54) METHOD FOR MANUFACTURING A DOOR LEAF AND DOOR LEAF WITH FILLING AREA
(72) KIN Lan		

- (73) Herport Innenausbauelemente GmbH & Co. KG  
 (72) Herbers, Dominic  
 (31) 102017000365  
 (32) 12.01.2017  
 (33) Germany
- 
- (51) E06B 7/21  
 E06B 7/23  
 E06B 7/20  
 (11) EP2918767  
 (21) EP15153504.4  
 (47) 21.09.2022  
 (22) 04.10.2006  
 (54) Seal  
 (73) Athmer oHG  
 (72) Faflek, Jenö  
 Cronenberg, Carl-Julius  
 (31) 102005047854  
 (32) 05.10.2005  
 (33) Germany
- 
- (51) E06B 9/30  
 E06B 9/302  
 E06B 9/327  
 E06B 9/322  
 E04F 10/10  
 E06B 9/06  
 (11) EP3670818  
 (21) EP19218515.5  
 (47) 21.09.2022  
 (22) 20.12.2019  
 (54) DRIVE DEVICE FOR HORIZONTAL BLINDS  
 (73) Sautner, Michael  
 Topf, Franz  
 (72) Sautner, Michael  
 Topf, Franz  
 (31) 511362018  
 (32) 20.12.2018  
 (33) Austria
- 
- (51) E06C 7/00  
 (11) EP3732343  
 (21) EP18943366.7  
 (47) 21.09.2022  
 (87) FR2018000250  
 30.07.2020  
 (22) 16.11.2018  
 (54) SAFETY DEVICE FOR DETERMINING THE POSITIONING OF A LADDER  
 (73) Gabourg, Maurice  
 (72) Gabourg, Maurice  
 (31) 1870126  
 1771264  
 (32) 06.02.2018  
 26.11.2017  
 (33) France  
 France
- 
- (51) E21B 4/02  
 F01C 1/10  
 F01C 21/08  
 F01C 21/10  
 F04C 2/107  
 (11) EP3387207  
 (21) EP16873906.8  
 (47) 21.09.2022  
 (87) US2016065797  
 15.06.2017  
 (22) 09.12.2016
- (54) HYDRAULIC TOOLS INCLUDING REMOVABLE COATINGS, DRILLING SYSTEMS, AND METHODS OF MAKING AND USING HYDRAULIC TOOLS  
 (73) Baker Hughes Holdings LLC  
 (72) BLAKE, Christopher, W.  
 VOSS, Carsten  
 (31) 201514965158  
 (32) 10.12.2015  
 (33) United States of America
- 
- (51) E21B 7/00  
 E02D 29/045  
 E21B 11/00  
 (11) EP3592934  
 (21) EP18716683.0  
 (47) 21.09.2022  
 (87) PL2018000023  
 13.09.2018  
 (22) 06.03.2018  
 (54) DEVICE FOR TRENCHLESS FORMING OF CONCRETE PARTITIONS IN THE GROUND, IN PARTICULAR HEAT ACCUMULATING TANKS  
 (73) ERCASOLAR spolka z ograniczona odpowiedzialnoscia spolka komandytowa  
 (72) BARGIEL, Maciej  
 (31) 42076017  
 (32) 07.03.2017  
 (33) Poland
- 
- (51) E21B 7/04  
 E21B 17/046  
 E21B 17/18  
 (11) EP3434858  
 (21) EP18170061.8  
 (47) 21.09.2022  
 (22) 30.04.2018  
 (54) DUAL ROD DIRECTIONAL DRILLING SYSTEM  
 (73) Vermeer Manufacturing Company  
 (72) Vos, Tanner  
 Recker, Clint  
 Apperson, Daniel Dwain  
 (31) 201762567624 P  
 201762566971 P  
 201762530642 P  
 201762530616 P  
 201762530610 P  
 201762492818 P  
 (32) 03.10.2017  
 02.10.2017  
 10.07.2017  
 10.07.2017  
 10.07.2017  
 01.05.2017  
 (33) United States of America  
 United States of America  
 United States of America  
 United States of America  
 United States of America  
 United States of America
- 
- (51) E21B 21/01  
 E21B 21/08  
 E21B 44/00  
 G01N 33/28  
 (11) EP3033473  
 (21) EP14836284.1  
 (47) 21.09.2022
- (87) NO2014000038  
 19.02.2015  
 (22) 13.08.2014  
 (54) REAL TIME MUD MONITORING  
 (73) Intelligent Mud Solutions AS  
 (72) MIDLANG, Eivind  
 SMITH, George Gibbs  
 (31) 20131105  
 (32) 13.08.2013  
 (33) Norway
- 
- (51) E21B 23/00  
 (11) EP3042025  
 (21) EP13896424.2  
 (47) 21.09.2022  
 (87) US2013068320  
 07.05.2015  
 (22) 04.11.2013  
 (54) ADJUSTABLE SHEAR ASSEMBLY  
 (73) Halliburton Energy Services, Inc.  
 (72) STOKES, Matthew Bradley
- 
- (51) E21B 33/038  
 (11) EP3740648  
 (21) EP18830204.6  
 (47) 21.09.2022  
 (87) EP2018085209  
 25.07.2019  
 (22) 17.12.2018  
 (54) SUBSEA HOUSING ASSEMBLY AND SUBSEA SENSOR  
 (73) Siemens Energy AS  
 (72) GÖTZ, Jürgen  
 HAIN, Stefan  
 LUDWIG, Klaus  
 (31) 18151885  
 (32) 16.01.2018  
 (33) European Patent Office (EPO)
- 
- (51) E21B 41/00  
 H02M 7/219  
 E21B 47/18  
 (11) EP3294982  
 (21) EP16793450.4  
 (47) 21.09.2022  
 (87) US2016031854  
 17.11.2016  
 (22) 11.05.2016  
 (54) ACTIVE RECTIFIER FOR DOWNHOLE APPLICATIONS  
 (73) Baker Hughes Holdings LLC  
 (72) TEGELER, Sebastian  
 TOSCHER, Steffen  
 GATZEN, Matthias  
 (31) 201514711319  
 (32) 13.05.2015  
 (33) United States of America
- 
- (51) E21B 47/12  
 E21B 17/00  
 (11) EP3250785  
 (21) EP15880350.2  
 (47) 21.09.2022  
 (87) US2015012918  
 04.08.2016  
 (22) 26.01.2015  
 (54) ELECTRICALLY CONDUCTIVE FIBER OPTIC SLICKLINE FOR COILED TUBING OPERATIONS  
 (73) Schlumberger Technology B.V.  
 (72) VARKEY, Joseph  
 KIM, David Geehyun

GRISANTI, Maria Auxiliadora	F01D 7/00	DEHAIS, John M.
(51) E21C 35/183	(11) EP3037622	(31) 201615344982
E21C 35/193	(21) EP15202683.7	(32) 07.11.2016
E21C 35/18	(47) 21.09.2022	(33) United States of America
(11) EP3332092	(22) 24.12.2015	(51) F01D 17/10
(21) EP16736880.2	(54) A TURBINE ENGINE WITH GUIDE	F02C 6/08
(47) 21.09.2022	VANES FORWARD OF ITS FAN	F02C 7/26
(87) EP2016066430	BLADES	F02C 9/18
09.02.2017	(73) Raytheon Technologies Corporation	F16K 1/12
(22) 11.07.2016	(72) SUCIU, Gabriel L.	F16K 3/26
(54) CUTTING DEVICE	LORD, Wesley K.	(11) EP3604744
(73) Betek GmbH & Co. KG	SABNIS, Jayant	(21) EP19189050.8
Wirtgen GmbH	CHANDLER, Jesse M.	(47) 21.09.2022
(72) ALLGAIER, Thomas	(31) 201462096662 P	(22) 30.07.2019
KRÄMER, Ulrich	(32) 24.12.2014	(54) PASSIVELY CONTROLLED INLINE
HÄHN, Günter	(33) United States of America	BLEED VALVES
LEHNERT, Thomas	(51) F01D 5/28	(73) Hamilton Sundstrand Corporation
BUHR, Karsten	F01D 5/20	(72) DEFELICE, Robert
BARIMANI, Cyrus	F01D 11/08	ZAWILINSKI, David J.
FRIEDERICHS, Heiko	(11) EP3550112	SIMPSON, Scott W.
(31) 102015112988	(21) EP19158182.6	(31) 201816054889
(32) 06.08.2015	(47) 21.09.2022	(32) 03.08.2018
(33) Germany	(22) 20.02.2019	(33) United States of America
(51) F01B 3/00	(54) BLADE TIP FOR CERAMIC MATRIX	(51) F01D 25/20
F01B 3/02	COMPOSITE BLADE	F01D 25/12
F01B 3/10	(73) Rolls-Royce North American	F02C 7/12
(11) EP3596309	Technologies, Inc.	F02C 7/268
(21) EP18712809.5	Rolls-Royce High Temperature	(11) EP3726012
(47) 21.09.2022	Composites Inc	(21) EP20164891.2
(87) EP2018055605	(72) Freeman, Ted	(47) 21.09.2022
20.09.2018	Roehm, Jeremy	(22) 23.03.2020
(22) 07.03.2018	Shinavski, Robert	(54) GAS TURBINE ENGINE GENERATOR
(54) AXIAL-PISTON MOTOR AND CYCLIC	(31) 201815926585	OIL PUMP
PROCESS DEVICE	(32) 20.03.2018	(73) Rolls-Royce plc
(73) Volkswagen Aktiengesellschaft	(33) United States of America	(72) Davies, Paul
(72) CARSTENSEN, Asmus	(51) F01D 9/04	(31) 201905207
SEMKE, Artur	F01D 25/00	(32) 12.04.2019
SCHULENBURG, Thomas	F01D 25/24	(33) United Kingdom
HERR, Andreas	(11) EP3683405	(51) F01D 25/24
DALLMANN, Marcus	(21) EP20152063.2	F01D 25/12
HUPFELD, Bernd	(47) 21.09.2022	F02C 7/12
LANGE, Holger	(22) 15.01.2020	F02C 7/20
HORN, Andre	(54) COMPOSITE STATOR VANE WITH	F16S 1/00
KAACK, Michael	FRUSTIC LOAD TRANSMISSION	F02K 1/82
MAISCHIK, Thomas	FEATURE	F02C 7/24
KAMMANN, Uwe	(73) Raytheon Technologies Corporation	(11) EP3708795
(31) 102017105610	(72) FARRAR, Bryan H.	(21) EP20170218.0
(32) 16.03.2017	LAZUR, Andrew J.	(47) 21.09.2022
(33) Germany	LILES, Howard J.	(22) 09.12.2014
(51) F01B 11/04	DUBE, Bryan P.	(54) STRUCTURAL HONEYCOMB PANEL
F01B 23/08	(31) 201916250804	(73) Raytheon Technologies Corporation
(11) EP3218581	(32) 17.01.2019	(72) HARRIS, Meggan
(21) EP15859410.1	(33) United States of America	(31) 201361915073 P
(47) 21.09.2022	(51) F01D 17/06	(32) 12.12.2013
(87) US2015060930	F01D 19/02	(33) United States of America
19.05.2016	F02C 7/277	(51) F01K 13/00
(22) 16.11.2015	F16K 31/124	F01K 23/06
(54) MONOPROPELLANT DRIVEN	F16K 1/12	(11) EP3857032
HYDRAULIC PRESSURE SUPPLY	(11) EP3318726	(21) EP19733695.1
(73) Bastion Technologies, Inc.	(21) EP17199557.4	(47) 21.09.2022
(72) COPPEDGE, Charles Don	(47) 21.09.2022	(87) EP2019066097
REEVES, Joseph	(22) 01.11.2017	02.04.2020
RAMAKRISHNAN, Jayant	(54) SYSTEM AND METHOD FOR	(22) 18.06.2019
HERNANDEZ, Jorge	CONTROLLING DUAL STARTER AIR	(54) METHOD FOR OPERATING
(31) 201462079895 P	VALVE	A POWER PLANT IN ORDER
(32) 14.11.2014	(73) Raytheon Technologies Corporation	TO GENERATE ELECTRICAL
(33) United States of America	(72) GREENBERG, Michael D.	ENERGY BY COMBUSTION OF A
(51) F01D 1/02	GOODMAN, Robert	CARBONACEOUS COMBUSTIBLE,

AND CORRESPONDING SYSTEM FOR OPERATING A POWER PLANT	(31) 2017138889 (32) 18.07.2017 (33) Japan	(22) 08.05.2019 (54) METHOD AND SYSTEM FOR CONTROLLING A WIND TURBINE TO REDUCE NACELLE VIBRATION
(73) RWE Power AG		(73) VESTAS WIND SYSTEMS A/S
(72) MOSER, Peter	(51) F02K 3/06	(72) HAMMERUM, Keld
WIECHERS, Georg	F02C 7/36	THOMSEN, Jesper Sandberg
SCHMIDT, Sandra	F02C 3/107	(31) PA201870303
STAHL, Knut	F02K 3/075	(32) 17.05.2018
(31) 102018123417	F02C 3/113	(33) Denmark
(32) 24.09.2018	(11) EP3409935	(51) F03D 7/02
(33) Germany	(21) EP18184558.7	F03D 7/04
(51) F01L 1/18	(47) 21.09.2022	(11) EP3670898
F01L 1/14	(22) 15.06.2012	(21) EP19215159.5
F01L 1/26	(54) TURBINE SECTION OF HIGH BYPASS TURBOFAN	(47) 21.09.2022
F01L 1/46	(73) Raytheon Technologies Corporation	(22) 11.12.2019
F02F 1/42	(72) ADAMS, Paul R.	(54) CONTROL OF A WIND TURBINE BASED ON A COMBINED POWER REFERENCE
(11) EP3704358	MAGGE, Shankar S.	(73) VESTAS WIND SYSTEMS A/S
(21) EP17933062.6	STAUBACH, Joseph B.	(72) CHRISTENSEN, Poul Brandt
(47) 21.09.2022	LORD, Wesley K.	THOMSEN, Jesper Sandberg
(87) US2017062947	SCHWARZ, Frederick M.	ANDERSEN, Gert Karmisholt
31.05.2019	SUCIU, Gabriel L.	(31) PA201870826
(22) 22.11.2017	(31) 201213475252	(32) 19.12.2018
(54) MECHANICAL RETENTION MEMBER FOR VALVETRAIN COMPONENTS	201261593190 P	(33) Denmark
(73) Cummins Inc.	201161498516 P	(51) F03D 7/02
(72) MITCHUM, Gregory J.	(32) 18.05.2012	F03D 17/00
BELLINGER, Steven M.	31.01.2012	(11) EP3677772
GONZALEZ, Richard	17.06.2011	(21) EP19217057.9
HAEGELE, Glen T.	(33) United States of America	(47) 21.09.2022
BOGGS, Troy	United States of America	(22) 17.12.2019
(51) F01N 3/10	United States of America	(54) METHOD OF OPERATING WIND TURBINE BASED ON MAXIMUM THRUST LIMIT
F01N 3/20	(51) F02M 21/02	(73) VESTAS WIND SYSTEMS A/S
F01N 3/035	F16L 37/56	(72) NIELSEN, Anders Steen
B01D 53/94	F16K 31/04	ZINCK, Kasper
(11) EP3330504	F16L 9/18	SEKARAN, Gnana
(21) EP18151628.7	(11) EP3803090	(31) PA201970001
(47) 21.09.2022	(21) EP18730700.4	(32) 02.01.2019
(22) 07.11.2013	(47) 21.09.2022	(33) Denmark
(54) CATALISED SUBSTRATE	(87) EP2018064737	(51) F03D 7/04
(73) Johnson Matthey Public Limited Company	12.12.2019	F03D 7/02
(72) CHIFFEY, Andrew, Francis	(22) 05.06.2018	(11) EP3722598
PRENDERGAST, Cathal Francis	(54) A GAS VALVE UNIT	(21) EP20155724.6
(31) 201261723384 P	(73) Wärtsilä Finland Oy	(47) 21.09.2022
(32) 07.11.2012	(72) WIDJESKOG, Klaus	(22) 05.02.2020
(33) United States of America	KUUSISAARI, Marko	(54) WIND TURBINE GROUP POWER GENERATION AMOUNT EVALUATION DEVICE, WIND TURBINE GROUP POWER GENERATION AMOUNT EVALUATION METHOD, AND PROGRAM
(51) F02D 41/06	HÖGNABBA, Tomas	(73) Mitsubishi Heavy Industries, Ltd.
F02N 11/00	(51) F03D 1/06	(72) IKAWA, Yoshikatsu
F02D 29/02	F03D 80/30	HASHIMOTO, Masayuki
F02B 61/02	(11) EP3884152	IDE, Kazunari
F02D 41/02	(21) EP19808687.8	YUGE, Atsushi
F02N 11/04	(47) 21.09.2022	(31) 2019074053
F02N 11/08	(87) DK2019050351	(32) 09.04.2019
F02D 41/00	28.05.2020	(33) Japan
(11) EP3640464	(22) 15.11.2019	(51) F03D 7/04
(21) EP18835837.8	(54) EQUIPOTENTIAL BONDING OF WIND TURBINE ROTOR BLADE	F03D 13/30
(47) 21.09.2022	(73) VESTAS WIND SYSTEMS A/S	(11) EP3721080
(87) JP2018021152	(72) THWAITES, Angela	(21) EP18815104.7
24.01.2019	COLLARD, Toby	(47) 21.09.2022
(22) 01.06.2018	HUNTER, Robert	(87) DK2018050317
(54) STRADDLED VEHICLE EQUIPPED WITH INDEPENDENT THROTTLE ENGINE	(31) PA201870766	
(73) Yamaha Hatsudoki Kabushiki Kaisha	(32) 20.11.2018	
(72) HINO, Haruyoshi	(33) Denmark	
MURAYAMA, Takuji	(51) F03D 7/02	
KOSUGI, Makoto	(11) EP3794230	
MATSUMOTO, Kuniaki	(21) EP19724737.2	
OBA, Tatsuhiro	(47) 21.09.2022	
	(87) DK2019050146	
	21.11.2019	

13.06.2019	16.01.2020	E02F 9/26
(22) 03.12.2018	(22) 29.05.2019	F15B 11/042
(54) CONFIGURATION OF WIND TURBINE CONTROLLERS	(54) HORIZONTAL GAS COMPRESSOR WITH FREE LIFTING PISTON	F15B 11/044
(73) Vestas Wind Systems A/S	(73) Compressor Pump Industrial Srl	(11) EP3739220
(72) GROVE, Peter Delgado	Romania	(21) EP19738180.9
STEELE, David	(72) PRODAN, Marian	(47) 21.09.2022
(31) PA201770912	(31) 201800406	(87) JP2019000603
(32) 06.12.2017	(32) 08.06.2018	18.07.2019
(33) Denmark	(33) Romania	(22) 10.01.2019
(51) F03D 17/00	(51) F04B 41/00	(54) CONSTRUCTION MACHINERY
F03D 7/04	F04B 1/04	(73) Hitachi Construction Machinery Co., Ltd.
(11) EP3735534	(11) EP3812588	(72) MORIKI Hidekazu
(21) EP19707304.2	(21) EP19847424.9	CHIBA Takaaki
(47) 21.09.2022	(47) 21.09.2022	IMURA Shinya
(87) EP2019053780	(87) CN2019099161	(31) 2018002651
06.09.2019	13.02.2020	(32) 11.01.2018
(22) 15.02.2019	(22) 05.08.2019	(33) Japan
(54) ESTIMATING FREE-STREAM INFLOW AT A WIND TURBINE	(54) PISTON PUMP AND PISTON MOTOR	(51) F16B 5/02
(73) Siemens Gamesa Renewable Energy A/S	(73) QINGDAO ACME INNOVATION TECHNOLOGY CO., LTD.	F16B 5/06
(72) GEBRAAD, Pieter M. O.	(72) ZHU, Dewei	F16B 2/22
(31) 18159160	(31) 201810887153	(11) EP3660339
(32) 28.02.2018	(32) 06.08.2018	(21) EP19212035.0
(33) European Patent Office (EPO)	(33) China	(47) 21.09.2022
(51) F03D 80/00	(51) F04D 25/08	(22) 28.11.2019
F03D 7/02	F04D 29/44	(54) TOLERANCE COMPENSATING DEVICE
H02J 1/14	F04D 29/58	(73) Witte Automotive GmbH
H02J 1/10	F04D 17/16	(72) Erpenbeck, Till
H02J 9/00	F04D 29/42	(31) 102018130388
(11) EP3821129	F04D 29/66	(32) 29.11.2018
(21) EP19736975.4	H02K 9/16	(33) Germany
(47) 21.09.2022	H02K 9/06	(51) F16B 7/18
(87) DK2019050211	H02K 5/20	F16B 7/22
16.01.2020	(11) EP3347598	F16B 37/04
(22) 02.07.2019	(21) EP16751312.6	F24D 19/00
(54) WIND TURBINE POWER CONSUMPTION CONTROL	(47) 21.09.2022	(11) EP3628875
(73) VESTAS WIND SYSTEMS A/S	(87) EP2016069414	(21) EP18197628.3
(72) DANIELSEN, Niels Erik	16.03.2017	(47) 21.09.2022
(31) PA201870478	(22) 16.08.2016	(22) 28.09.2018
(32) 10.07.2018	(54) TURBO FAN WITH COOLING ELEMENT	(54) SLIDABLE MOUNTING BLOCK FOR INSERTION INTO A RAIL, FIXING ARRANGEMENT FOR A TECHNICAL INSTALLATION AND THEIR USE
(33) Denmark	(73) Microneel AG	(73) Uponor Innovation AB
(51) F03D 80/40	(72) MEIER, Peter	(72) Prate, Richard
F03D 7/04	ALBISSER, Dieter	Carlsson, Mattias
(11) EP3870852	(31) 15184175	Strand, Thomas
(21) EP19794092.7	(32) 08.09.2015	(51) F16B 13/12
(47) 21.09.2022	(33) European Patent Office (EPO)	(11) EP3851685
(87) DK2019050318	(51) F15B 11/042	(21) EP21150820.5
30.04.2020	F15B 11/044	(47) 21.09.2022
(22) 22.10.2019	F15B 11/05	(22) 11.01.2021
(54) CONTROLLER FOR A WIND FARM	F15B 11/16	(54) EXPANSION DOWEL
(73) VESTAS WIND SYSTEMS A/S	(11) EP3390842	(73) fischerwerke GmbH & Co. KG
(72) BERTELSEN, Kresten	(21) EP16823216.3	(72) Daly, Aaron
BERRA, Asier	(47) 21.09.2022	(31) 102020100616
NIELSEN, Carsten Krogh	(87) EP2016081392	(32) 14.01.2020
(31) PA201870696	22.06.2017	(33) Germany
(32) 26.10.2018	(22) 16.12.2016	(51) F16C 33/10
(33) Denmark	(54) HYDRAULIC VALVE DEVICE WITH MULTIPLE WORKING SECTIONS WITH PUMP CONTROL SYSTEM	F01D 25/16
(51) F04B 35/01	(73) Walvoil S.p.A.	F16C 17/04
F04B 39/00	(72) MUSIANI, Massimiliano	F16C 17/10
F04B 39/12	(31) UB20159570	(11) EP3293406
F04B 5/02	(32) 16.12.2015	(21) EP17180448.7
(11) EP3749858	(33) Italy	(47) 21.09.2022
(21) EP19834603.3	(51) F15B 19/00	(22) 10.07.2017
(47) 21.09.2022	E02F 9/22	(54) HYDRODYNAMIC BEARING AND TURBOCHARGER
(87) RO2019000016		(73) BMTS Technology GmbH & Co. KG

Berger, Martin	(73) Mitsuboshi Belting Ltd.	(54) GEAR SHIFT SYSTEM
(72) Berger, Martin	(72) Tamura, Masashi	(73) Blakeman, Ian
Kleinschmidt, Rüdiger	Ishiguro, Hisato	(72) Blakeman, Ian
Stetter, Frieder	Matsumura, Hiroshi	(31) 201803057
Schmitt, Steffen	(31) 2013007469	201712581
Kuhne, Oliver	2012018630	(32) 26.02.2018
(31) 202016105071 U	(32) 18.01.2013	04.08.2017
(32) 13.09.2016	31.01.2012	(33) United Kingdom
(33) Germany	(33) Japan	United Kingdom
(51) F16C 33/16	Japan	(51) F16H 61/02
F03D 80/70	(51) F16G 13/10	F16H 61/688
F03D 15/20	B65G 17/38	F16H 61/00
F03D 9/25	B65G 39/20	(11) EP3516269
F16C 25/02	F16G 13/18	(21) EP17780052.1
F16C 17/26	(11) EP3707407	(47) 21.09.2022
F16C 33/18	(21) EP18814705.2	(87) EP2017074382
(11) EP3464896	(47) 21.09.2022	29.03.2018
(21) EP17715919.1	(87) NL2018000019	(22) 26.09.2017
(47) 21.09.2022	16.05.2019	(54) HYDRAULIC CIRCUIT OF A DOUBLE
(87) EP2017058226	(22) 05.11.2018	CLUTCH TRANSMISSION, IN
30.11.2017	(54) CHAIN AND METHOD FOR	PARTICULAR HAVING A CLUTCH
(22) 06.04.2017	LUBRICATION THEREOF	CONTROLLER, AND EMERGENCY
(54) WIND TURBINE	(73) KETTINGTECHNIEK NEDERLAND B.V.	REACTION METHOD
(73) Wobben Properties GmbH	(72) KOERS, Johannes Hendrikus	(73) hofer powertrain innovation GmbH
(72) MTAUWEG, Samer	(31) 1042636	(72) EBINGER, Günter
(31) 102016209206	(32) 09.11.2017	WILD, Andreas
(32) 27.05.2016	(33) Netherlands	KEHRER, Marcus
(33) Germany	(51) F16H 3/64	UNRUH, Swen
(51) F16D 23/04	F16H 3/66	(31) 202016105346 U
(11) EP3767122	(11) EP3803158	(32) 26.09.2016
(21) EP20184988.2	(21) EP19726328.8	(33) Germany
(47) 21.09.2022	(47) 21.09.2022	(51) F16H 63/34
(22) 09.07.2020	(87) EP2019062456	B60K 7/00
(54) SYNCHRONIZING UNIT FOR A	05.12.2019	B60T 1/06
GEARBOX	(22) 15.05.2019	B60B 27/00
(73) HOERBIGER Antriebstechnik Holding	(54) POWER-SHIFT MULTI-SPEED	B60K 17/04
GmbH	TRANSMISSION	F16D 55/00
(72) Völk, Wolfgang	(73) Robert Bosch GmbH	F16D 63/00
Dempfle, Andreas	(72) KRASSTEV, Ianislav	F16H 61/32
Binder, Jürgen	MOHAMED, Wael	F16H 1/06
Fürguth, Werner	SCHLITTENBAUER, Tobias	(11) EP3527857
Fischer, Patrick	(31) 102018208583	(21) EP16918652.5
(31) 102019119400	(32) 30.05.2018	(47) 21.09.2022
(32) 17.07.2019	(33) Germany	(87) JP2016082801
(33) Germany	(51) F16H 55/08	19.04.2018
(51) F16D 23/06	F16H 1/16	(22) 04.11.2016
(11) EP3818277	F16H 1/20	(54) IN-WHEEL MOTOR DRIVE DEVICE
(21) EP19734419.5	F16H 55/22	(73) NTN Corporation
(47) 21.09.2022	(11) EP3824203	(72) TAMURA, Shiro
(87) EP2019067908	(21) EP19749855.3	SHIBUYA, Yusuke
09.01.2020	(47) 21.09.2022	(31) 2016202639
(22) 03.07.2019	(87) NL2019050456	(32) 14.10.2016
(54) LAY-SHAFT ASSEMBLY FOR USE IN A	23.01.2020	(33) Japan
VEHICLE TRANSMISSION	(22) 17.07.2019	(51) F16H 63/34
(73) Punch Powertrain PSA e-transmissions	(54) ACTUATOR	B60T 1/00
NV	(73) MCi (Mirror Controls International)	B60T 1/06
(72) VAN DEURZEN, Antonius Arnoldus	Netherlands B.V.	F16H 61/02
Maria	(72) BROUWER, Stefan Fritz	(11) EP3673189
(31) 201805467	(31) 2021341	(21) EP18742996.4
(32) 03.07.2018	(32) 18.07.2018	(47) 21.09.2022
(33) Belgium	(33) Netherlands	(87) EP2018069252
(51) F16G 5/20	(51) F16H 59/02	28.02.2019
F16G 5/06	(11) EP3662182	(22) 16.07.2018
(11) EP3892886	(21) EP18755268.2	(54) METHOD FOR ENGAGING A PARKING
(21) EP21164869.6	(47) 21.09.2022	LOCK OF A MOTOR VEHICLE, AND
(47) 21.09.2022	(87) GB2018052212	MOTOR VEHICLE
(22) 31.01.2013	07.02.2019	(73) Audi AG
(54) V-RIBBED BELT	(22) 02.08.2018	(72) FÖRSTER, Kilian

SCHWINDL, Martin	(47) 21.09.2022	F16L 19/06
(31) 102017214904	(87) US2019058244	A61M 39/10
(32) 25.08.2017	07.05.2020	(11) EP3018396
(33) Germany	(22) 27.10.2019	(21) EP14819289.1
(51) F16J 15/3232	(54) INSTALLATION OF SUBSEA PIPELINES	(47) 21.09.2022
F16J 15/3252	(73) Subsea 7 (US) LLC	(87) JP2014066484
F16J 15/3276	Shell International Exploration and	08.01.2015
F16J 15/3268	Production Inc.	(22) 20.06.2014
(11) EP3844425	Total E&P Research and Technology	(54) PIPE JOINT
(21) EP19772977.5	USA LLC	(73) Junkosha Inc.
(47) 21.09.2022	(72) MOHAN, Karthik	(72) YODA, Keiji
(87) DE2019000223	DARILMAZ, Ilkay	ODA, Hiroji
05.03.2020	MATEEN, Khalid	(31) 2013252561
(22) 15.08.2019	(31) 201817656	2013142120
(54) RADIAL SHAFT SEAL	(32) 29.10.2018	(32) 05.12.2013
(73) VR Automotive Dichtungssysteme GmbH	(33) United Kingdom	05.07.2013
(72) SCHAUB, Martin	(51) F16L 1/18	(33) Japan
HÖHN, Bernd	F16L 1/19	Japan
(31) 102018006945	F16L 1/20	(51) F16L 41/00
(32) 01.09.2018	(11) EP3561352	F16L 41/08
(33) Germany	(21) EP19180126.5	F16L 25/14
(51) F16J 15/3288	(47) 21.09.2022	(11) EP3832186
F01D 11/00	(22) 26.01.2012	(21) EP20208544.5
F01D 11/08	(54) PIPE-LAYING VESSEL AND METHOD	(47) 21.09.2022
(11) EP3550185	OF LAYING A PIPELINE	(22) 19.11.2020
(21) EP19167439.9	(73) SAIPEM S.p.A.	(54) CONNECTION SYSTEM WITH
(47) 21.09.2022	(72) BIANCHI, Stefano	SEPARATION INDICATOR
(22) 04.04.2019	ARDAVANIS, Kimon Tullio	(73) REHAU Industries SE & Co. KG
(54) BRUSH SEAL WITH SLIDING BACKING	BAYLOT, Michel Pierre Armand	(72) Lipphardt, Tobias
PLATE	HAJERI, Yann	Sieber, Jürgen
(73) Raytheon Technologies Corporation	(31) 201101579	(31) 202019106754 U
(72) DRAKE, Jeremy	(32) 28.01.2011	(32) 04.12.2019
DAVIS, Timothy M.	(33) United Kingdom	(33) Germany
ROGERS, Mark J.	(51) F16L 1/26	(51) F16L 59/20
PAULINO, Jose R.	F16L 55/18	B29C 31/04
(31) 201815946254	F16L 55/168	B29C 45/46
(32) 05.04.2018	(11) EP3575654	F16L 13/11
(33) United States of America	(21) EP17894407.0	F16L 59/18
(51) F16K 27/02	(47) 21.09.2022	F16L 53/70
F01L 3/10	(87) BR2017050391	(11) EP3555517
F16K 31/06	02.08.2018	(21) EP17880127.0
F16K 1/12	(22) 19.12.2017	(47) 21.09.2022
(11) EP3832181	(54) EQUIPMENT FOR REPAIRING DUCTS	(87) NO2017050319
(21) EP20210228.1	(73) Arbra Engenharia Industrial Ltda (BR/RS)	21.06.2018
(47) 21.09.2022	(72) PETRY, Gabriel	(22) 12.12.2017
(22) 27.11.2020	VANZ DE ANDRADE, Leandro	(54) SYSTEM WITH A DEVICE FOR
(54) MOUNTING DEVICE WITH CLAMPING	ALEJANDRO TARNOWSKI, Gabriel	RETENTION OF INSERTS ON PIPES
DEVICE	(31) 102017001908	(73) Kristiansen, Jan-Allan
(73) HYDAC Accessories GmbH	(32) 30.01.2017	(72) MCTAVISH, Douglas Alexander
(72) Brabänder, Wolfgang	(33) Brazil	KRISTIANSEN, Jan-Allan
Schmitt, Martin	(51) F16L 33/08	(31) 20161979
(31) 102019008382	F16L 33/02	(32) 13.12.2016
(32) 03.12.2019	(11) EP3650738	(33) Norway
(33) Germany	(21) EP19197195.1	(51) F17C 3/02
(51) F16K 31/04	(47) 21.09.2022	(11) EP3425261
F16K 11/074	(22) 20.07.2012	(21) EP18181482.3
(11) EP3376082	(54) HOSE CLAMP ASSEMBLY WITH FLAT	(47) 21.09.2022
(21) EP17160839.1	SPRING LINER AND METHOD OF	(22) 03.07.2018
(47) 21.09.2022	INSTALLING IT	(54) SEALED AND THERMALLY
(22) 14.03.2017	(73) Ideal Clamp Products, Inc.	INSULATING VESSEL
(54) VALVE DEVICE	(72) BOWATER, Bruce D	(73) Gaztransport et Technigaz
(73) Grundfos Holding A/S	(31) 201113188093	(72) DURAND, François
(72) BLAD, Thomas	(32) 21.07.2011	LE ROUX, Guillaume
MØNSTER, Peter	(33) United States of America	BOUGAULT, Johan
(51) F16L 1/16	(51) F16L 33/22	BERGER, Vincent
(11) EP3874191	F16L 19/08	(31) 1756312
(21) EP19805029.6	F16L 21/08	(32) 04.07.2017
	F16L 19/07	(33) France

(51) F17C 3/08 F28D 20/00	F21V 8/00 F21S 43/245	F21Y 103/10 F21Y 115/10
(11) EP3634880	(11) EP3770490	(11) EP3708907
(21) EP18728611.7	(21) EP19188103.6	(21) EP20161695.0
(47) 21.09.2022	(47) 21.09.2022	(47) 21.09.2022
(87) EP2018064248 13.12.2018	(22) 24.07.2019	(22) 09.03.2020
(22) 30.05.2018	(54) LIGHT GUIDE, LIGHT ELEMENT COMPRISING A SELECTIVELY ILLUMINABLE LIGHT GUIDE AND METHOD FOR SELECTIVELY ILLUMINATING A LIGHT GUIDE	(54) MODULAR WALL AND SHELF WASHER
(54) METHOD OF THERMAL INSULATING AN EVACUATABLE CONTAINER	(73) odelo GmbH	(73) Siteco GmbH
(73) Evonik Operations GmbH Stiebel Eltron GmbH & Co. KG	(72) HORNING, Herr Thorsten	(72) Schiebl, Matthias Sommer, Lisa Lukanow, Stephan
(72) GEISLER, Matthias HERR, Ann-Kathrin ASBAHR, Hark-Oluf SCHULTZ, Thorsten SCHÄFFNER, Dirk MENZEL, Frank MENG, Andreas MEIER, Dominik	(31) 102019106678	(31) 102019106678
(31) 102017209782	(51) F21S 45/30	(32) 15.03.2019
(32) 09.06.2017	F21S 45/50	(33) Germany
(33) Germany	F21V 31/00 F21V 31/03	(51) F21V 8/00 F21K 9/60 F21K 9/61 F21K 9/64
(51) F17C 9/00	(11) EP3250852	(11) EP3655698
(11) EP3577387	(21) EP16702114.6	(21) EP18735334.7
(21) EP17703420.4	(47) 21.09.2022	(47) 21.09.2022
(47) 21.09.2022	(87) EP2016051960 04.08.2016	(87) EP2018068483 24.01.2019
(87) EP2017052526 09.08.2018	(22) 29.01.2016	(22) 09.07.2018
(22) 06.02.2017	(54) LIGHTING AND/OR SIGNALLING DEVICE FOR A MOTOR VEHICLE AND MANUFACTURING METHOD	(54) PIXELATED HIGH BRIGHTNESS LIGHT ENGINE
(54) A FUEL TANK ARRANGEMENT IN A MARINE VESSEL	(73) Valeo Vision	(73) Signify Holding B.V.
(73) Wärtsilä Finland Oy	(72) GODBILLON, Vincent ALBOU, Pierre BRASSIER, Marc	(72) HIKMET, Rifat, Ata, Mustafa VAN BOMMEL, Ties DE BOER, Dirk, Kornelis, Gerhardus
(72) D'URSO, Emanuele	(31) 1550685	(31) 17181889
(51) F21S 41/20	(32) 29.01.2015	(32) 18.07.2017
G02B 5/20	(33) France	(33) European Patent Office (EPO)
G02B 1/04	(51) F21V 3/02	(51) F21V 8/00 F21S 2/00
H05K 1/03	F21V 5/00	(11) EP3150906
B05D 7/24	F21V 7/00	(21) EP15803427.2
B05D 5/00	F21V 17/00	(47) 21.09.2022
F21Y 115/10	F21V 3/06	(87) KR2015005450 10.12.2015
C09D 5/00	F21V 31/00	(22) 01.06.2015
B05D 1/26	F21Y 103/10	(54) LIGHTING DEVICE
B05D 3/02	F21Y 105/10	(73) LG Innotek Co., Ltd.
B05D 7/00	F21Y 115/10	(72) JANG, Jae Hyuk KIM, Jin Su BAEK, Seung Jong LEE, Dong Hyun
C08G 77/04	B29D 11/00	(31) 20140067055
C09D 183/04	(11) EP3805636	(32) 02.06.2014
G02B 5/22	(21) EP20200321.6	(33) Korea (Republic)
H01L 33/44	(47) 21.09.2022	(51) F21V 29/67 F21V 29/77 F21Y 115/10 F21S 10/00 F21W 131/406
H01L 33/50	(22) 06.10.2020	(11) EP2516923
H01L 33/58	(54) POSITIONING OF A SILICONE LENS BODY ON A LED	(21) EP10838719.2
(11) EP3875845	(73) Siteco GmbH	(47) 21.09.2022
(21) EP19877641.1	(72) Eichele, Timo Kudlek, Michael	(87) DK2010050355 30.06.2011
(47) 21.09.2022	(31) 102019126892	(22) 21.12.2010
(87) KR2019014565 07.05.2020	(32) 07.10.2019	(54) COOLING MODULE FOR MULTIPLE LIGHT SOURCE PROJECTING DEVICE
(22) 31.10.2019	(33) Germany	(73) Harman Professional Denmark ApS
(54) VEHICLE LAMP AND METHOD FOR MANUFACTURING SAME	(51) F21V 7/00	(72) KJÆR, Lars JØRGENSEN, Dennis
(73) LG CHEM, LTD.	F21V 21/30	(31) 201000240
(72) LEE, Junhaeng KIM, Deok Hwan LEE, Yeon Keun	F21S 8/00	
(31) 20180132918	F21V 21/35	
(32) 01.11.2018	F21V 7/04	
(33) Korea (Republic)	F21V 15/01	
(51) F21S 43/237	F21V 15/015	
F21S 43/249	F21V 17/16	
	F21V 23/00	
	F21V 27/02	
	F21V 29/70	
	F21V 29/89	
	F21W 131/405	

200901359	(54) FLUE CAP COVER	(33) European Patent Office (EPO)
(32) 23.03.2010	(73) Roof Goose Vent LLC	(51) F24D 19/10
21.12.2009	(72) KING, Jack, F., Jr.	(11) EP3426987
(33) Denmark	(31) 201862648678 P	(21) EP17712023.5
Denmark	(32) 27.03.2018	(47) 21.09.2022
(51) F22D 11/00	(33) United States of America	(87) EP2017000290
C02F 1/00	(51) F23L 7/00	14.09.2017
C02F 5/00	F23J 7/00	(22) 03.03.2017
F28G 13/00	B01D 53/56	(54) APPARATUS FOR CHECKING THE
G05B 13/02	(11) EP3717833	OPERABILITY OF A HEATING SYSTEM
C02F 103/02	(21) EP18822516.3	(73) Kamax GmbH
C02F 1/66	(47) 21.09.2022	(72) LANGGARTNER, Andreas
C02F 5/08	(87) PL2018000114	(31) 102016002794
(11) EP3336425	31.05.2019	(32) 07.03.2016
(21) EP16846066.5	(22) 21.11.2018	(33) Germany
(47) 21.09.2022	(54) A METHOD OF REDUCTION OF	(51) F24F 1/24
(87) JP2016068994	NITROGEN OXIDES AND CARBON	F24F 1/40
23.03.2017	MONOXIDE IN FURNACE CHAMBERS	F24F 11/30
(22) 27.06.2016	OF WATER BOILERS AND STEAM	F24F 11/77
(54) WATER QUALITY MANAGEMENT	BOILERS, ESPECIALLY GRATE	F24F 110/10
DEVICE, WATER TREATMENT	BOILERS, AND A SYSTEM FOR	(11) EP3001114
SYSTEM, WATER QUALITY	REDUCTION OF NITROGEN OXIDES	(21) EP15183985.9
MANAGEMENT METHOD, AND WATER	AND CARBON MONOXIDE IN	(47) 21.09.2022
TREATMENT SYSTEM OPTIMIZATION	FURNACE CHAMBERS OF WATER	(22) 06.09.2015
PROGRAM	BOILERS AND STEAM BOILERS,	(54) OUTDOOR DEVICE AND AIR
(73) MITSUBISHI HEAVY INDUSTRIES, LTD.	ESPECIALLY GRATE BOILERS.	CONDITIONER
(72) FUJIOKA Masanori	(73) ICS Industrial Combustion Systems S.A.	(73) Mitsubishi Electric Corporation
TANAKA Toru	(72) SZEWCZYK, Dariusz	(72) Umehara, Shigeo
HAMASAKI Akihiro	PASIEWICZ, Andrzej	(31) 2014196963
SUGIMOTO Atsushi	(31) 42357617	(32) 26.09.2014
SAITO Mayumi	(32) 24.11.2017	(33) Japan
HAMAJI Yoshiyuki	(33) Poland	(51) F24F 3/044
(31) 2015184964	(51) F23R 3/00	F24F 11/30
(32) 18.09.2015	F23R 3/06	F24F 11/62
(33) Japan	F28F 7/02	(11) EP2944887
(51) F23C 3/00	F28D 1/06	(21) EP15167110.4
F23C 6/04	(11) EP3516298	(47) 21.09.2022
F23C 9/00	(21) EP17752472.5	(22) 11.05.2015
F23D 14/66	(47) 21.09.2022	(54) AIR CONDITIONING SYSTEM
F23L 15/04	(87) GB2017052385	(73) LG Electronics Inc.
F23N 5/02	29.03.2018	(72) SON, Sanghye
(11) EP3816511	(22) 14.08.2017	LEE, Hyeonyeong
(21) EP20201902.2	(54) COMBUSTION CHAMBER AND HEAT	(31) 20140056794
(47) 21.09.2022	EXCHANGER	(32) 12.05.2014
(22) 14.10.2020	(73) Hieta Technologies Limited	(33) Korea (Republic)
(54) RECUPERATIVE GAS BURNER FOR	(72) JONES, Simon Lloyd	(51) F24F 13/14
INDUSTRIAL APPLICATIONS AND	SMITH, Calum	F24F 13/02
METHOD FOR OPERATING THE SAME	(31) 201616210	F24F 13/06
(73) Honeywell International Inc.	(32) 23.09.2016	(11) EP3064854
(72) GERSUM, Sabine von	(33) United Kingdom	(21) EP16158601.1
GITZINGER, Heinz-Peter	(51) F24D 10/00	(47) 21.09.2022
RUNDE, Sandra	G05D 23/19	(22) 04.03.2016
SCHRÖDER, Lars	G06Q 10/06	(54) VOLUME CURRENT CONTROLLER
(31) 201916668797	G06Q 50/06	ASSEMBLY
(32) 30.10.2019	(11) EP3857130	(73) Wildeboer, Werner
(33) United States of America	(21) EP19772674.8	(72) Wildeboer, Werner
(51) F23J 13/00	(47) 21.09.2022	Wortelen, Enno Johannes
F23J 13/08	(87) EP2019074551	Harms, Thomas
F23L 17/00	02.04.2020	(31) 202015101093 U
F23L 17/02	(22) 13.09.2019	(32) 06.03.2015
F23L 17/04	(54) CONTROLLING HEAT OUTTAKE FROM	(33) Germany
F23L 17/12	A HEAT DISTRIBUTION SYSTEM	(51) F24F 13/20
(11) EP3775689	(73) E.ON Sverige AB	F24F 13/22
(21) EP19776284.2	(72) ROSÉN, Per	F24F 1/0011
(47) 21.09.2022	SKOGSTRÖM, Jacob	(11) EP3851755
(87) US2019023679	ROSENQVIST, Fredrik	(21) EP19864515.2
03.10.2019	(31) 18196426	(47) 21.09.2022
(22) 22.03.2019	(32) 25.09.2018	

(87) CN2019084281 02.04.2020	(51) F24H 9/1863 F24H 9/1881	F25B 15/06 (11) EP3587959
(22) 25.04.2019	F28D 21/00	(21) EP17897593.4
(54) CONTROL METHOD FOR AIR CONDITIONER INDOOR UNIT	F28F 1/16	(47) 21.09.2022
(73) GD Midea Air-Conditioning Equipment Co., Ltd.	F24H 3/04	(87) JP2017007354 30.08.2018
(72) CAI, Guojian	(11) EP3841334	(22) 27.02.2017
TAN, Zhouheng	(21) EP19752495.2	(54) HEAT EXCHANGING DEVICE
(31) 201811163019	(47) 21.09.2022	(73) Porta-Park, Inc.
201811163007	(87) EP2019071407	(72) NAKAMURA Takuju
201811163053	27.02.2020	(51) F25B 49/02
201811161669	(22) 09.08.2019	(11) EP3126760
(32) 30.09.2018	(54) HEATING DEVICE FOR HEATING AIR	(21) EP15712438.9
30.09.2018	(73) Truma Gerätetechnik GmbH & Co. KG	(47) 21.09.2022
30.09.2018	(72) ARMBRUSTER, Uwe	(87) JP2015056575 01.10.2015
(33) China	JÄGER, Markus	(22) 27.02.2015
China	LAGING, Johannes	(54) EXTREMUM SEEKING CONTROLLER AND METHOD FOR CONTROLLING A VAPOR COMPRESSION SYSTEM
China	(31) 102018006595	(73) Mitsubishi Electric Corporation
China	(32) 21.08.2018	(72) BURNS, Daniel
(51) F24F 13/24	(33) Germany	GUAY, Martin
F16L 55/033	(51) F25B 1/06	WEISS, Walter
F24F 13/02	F25B 40/04	(31) 201414228632
F16L 55/052	F25B 5/02	(32) 28.03.2014
(11) EP3594585	F25B 1/10	(33) United States of America
(21) EP19182369.9	(11) EP3099985	(51) F25C 1/10
(47) 21.09.2022	(21) EP15701214.7	F25C 1/24
(22) 25.06.2019	(47) 21.09.2022	F25C 5/187
(54) NOISE ATTENUATING DEVICE FOR THE END OF AN AIR CONDUIT WITH A GAS STREAM (AIR STREAM) RUNNING THROUGH IT	(87) EP2015051491 30.07.2015	(11) EP2480842
(73) Robert Bosch GmbH	(22) 26.01.2015	(21) EP10818523.2
(72) Au, Carine	(54) REFRIGERATION PLANT	(47) 21.09.2022
Merzkirch, Alexander	(73) BITZER Kühlmaschinenbau GmbH	(87) JP2010004857 31.03.2011
(31) 1856087	(72) JAVERSCHKE, Oliver	(22) 02.08.2010
(32) 02.07.2018	CRAIG, John	(54) ICE MAKING DEVICE
(33) France	(31) 102014100917	(73) Nidec Sankyo Corporation
(51) F24F 13/24	(32) 27.01.2014	(72) SAITO, Shunji
F24F 7/00	(33) Germany	WADA, Haruhiko
F24F 12/00	(51) F25B 1/10	(31) 2010113208
(11) EP3569948	F25B 5/02	2009218905
(21) EP18172847.8	F25B 47/02	(32) 17.05.2010
(47) 21.09.2022	(11) EP2677252	24.09.2009
(22) 17.05.2018	(21) EP13172372.8	(33) Japan
(54) VENTILATION DEVICE	(47) 21.09.2022	Japan
(73) inVENTer GmbH	(22) 18.06.2013	(51) F25D 21/04
(72) GEISENHAINER, Ralph	(54) Refrigerator	F25D 23/06
HEEWIG, André	(73) LG Electronics Inc.	F25D 23/08
SCHULZ, Stefan	(72) Kim, Seongjae	(11) EP3295100
(51) F24H 1/00	(31) 20120067111	(21) EP16855777.5
A47K 3/00	(32) 22.06.2012	(47) 21.09.2022
F24D 17/02	(33) Korea (Republic)	(87) KR2016011562 20.04.2017
A47K 3/02	(51) F25B 13/00	(22) 14.10.2016
F24D 17/00	F25B 41/00	(54) REFRIGERATOR
F24D 19/10	F25B 49/02	(73) Samsung Electronics Co., Ltd.
F24H 1/18	F25B 31/00	(72) KIM, Sang Bum
(11) EP3667195	(11) EP2792972	YOO, Kyung Mok
(21) EP17921093.5	(21) EP14156096.1	KIM, Hyun Joo
(47) 21.09.2022	(47) 21.09.2022	HEO, Kwang Su
(87) JP2017029133	(22) 21.02.2014	SEO, Eung Ryeol
14.02.2019	(54) HEAT PUMP SYSTEM AND METHOD FOR STARTING THE SAME	HWANG, In Yong
(22) 10.08.2017	(73) Midea Group Co., Ltd.	CHOI, Ji Hoon
(54) HOT WATER SUPPLY DEVICE	GD Midea Heating & Ventilating Equipment Co., Ltd.	KANG, Jeong Hoon
(73) Mitsubishi Electric Corporation	(72) Wenqiang, Chen	LEE, Mi Jung
(72) KOYANO, Takehiro	(31) 201310132573	(31) 20150144357
TAKAYAMA, Keisuke	(32) 16.04.2013	(32) 15.10.2015
	(33) China	
	(51) F25B 27/00	
	F25B 15/00	

(33) Korea (Republic)	MAYNARD, Michael	JASPART, Olivier
(51) F25D 23/06	DOE, Michael	(31) 201705293
(11) EP3519745	HU, Michele	(32) 25.04.2017
(21) EP16917892.8	Feng, Feng	(33) Belgium
(47) 21.09.2022	Becene, Ahmet T.	(51) F41B 6/00
(87) US2016054121	Ruiz, Gabriel	F41B 11/85
05.04.2018	(31) 201962815843 P	(11) EP3696489
(22) 28.09.2016	(32) 08.03.2019	(21) EP20155378.1
(54) OPERABLE PANEL FOR AN	(33) United States of America	(47) 21.09.2022
APPLIANCE HAVING STAMPED	(51) F28F 25/08	(22) 04.02.2020
COMPONENTS	F28C 1/00	(54) MEDICAL DEVICE AND METHOD
(73) Whirlpool Corporation	F28D 3/00	FOR FIRING A PROJECTILE BY SAID
(72) ALLARD, Paul B.	F28F 3/02	MEDICAL DEVICE
DEKA, Lakshya J.	(11) EP3907462	(73) Gottfried Wilhelm Leibniz Universität
DERDE, Eric J.	(21) EP21183425.4	Hannover
FRATTINI, Gustavo	(47) 21.09.2022	Medizinische Hochschule Hannover
GOMES, Alberto R.	(22) 11.10.2017	(72) FAST, Jacob Friedemann
HUNTER, Lynne F.	(54) HEAT EXCHANGER APPARATUS	KAHRS, Lüder Alexander
MILLER, Dustin M.	(73) University of Hull	MÜLLER, Samuel
NAIK, Abhay	(72) ZHAO, Xudong	SZYMANSKI, Robin
QUERFURTH, Karen J.	XU, Peng	PTOK, Martin
VISIN, Jerry M.	MA, Xiaoli	(31) 102019103618
(51) F25D 23/06	FANCEY, Kevin	(32) 13.02.2019
F25B 40/00	LI, Junming	(33) Germany
(11) EP2589905	(31) 201617362	(51) F41G 1/30
(21) EP12007265.7	(32) 13.10.2016	H05B 45/30
(47) 21.09.2022	(33) United Kingdom	H05B 45/10
(22) 22.10.2012	(51) F41A 1/10	H05B 47/11
(54) REFRIGERATOR	F42B 5/05	H01M 50/202
(73) LG Electronics Inc.	F42B 5/10	H01M 50/247
(72) Jung, Wonyeong	(11) EP3559586	H01M 50/284
Youn, Deokhyun	(21) EP17883369.5	H05K 1/11
(31) 20110114571	(47) 21.09.2022	H01H 19/10
(32) 04.11.2011	(87) SE2017051240	H01H 19/54
(33) Korea (Republic)	28.06.2018	(11) EP3786571
(51) F25D 23/10	(22) 08.12.2017	(21) EP19797110.4
E06B 7/32	(54) METHOD AND LAUNCHER FOR	(47) 21.09.2022
(11) EP3699527	LAUNCHING A PROJECTILE	(87) CN2019078394
(21) EP20158928.0	(73) SAAB AB	07.11.2019
(47) 21.09.2022	(72) LINDSTRÖM, Mathias	(22) 16.03.2019
(22) 24.02.2020	(31) 1600349	(54) MULTI-GEAR BRIGHTNESS
(54) ENTRANCE REFRIGERATOR	(32) 21.12.2016	ADJUSTMENT CIRCUIT BOARD,
(73) LG Electronics Inc.	(33) Sweden	MULTI-GEAR BATTERY HOLDER
(72) OH, Minkyu	(51) F41A 5/20	STRUCTURE, AND MULTI-GEAR
CHOI, Kyukwan	F41A 5/28	BRIGHTNESS ADJUSTMENT
YEO, Insun	(11) EP3800424	ASSEMBLY
LEE, Deukwon	(21) EP19201441.3	(73) Huanic Corporation
YUN, Yezo	(47) 21.09.2022	(72) SUN, Jianhua
(31) 20190086945	(22) 04.10.2019	WANG, Dong
20190021867	(54) GAS-POWERED CARBINE	ZHANG, Tuan
(32) 18.07.2019	(73) Glock Technology GmbH	(31) 201810416897
25.02.2019	(72) Kroyer, Josef	(32) 03.05.2018
(33) Korea (Republic)	Bilgeri, Elmar	(33) China
Korea (Republic)	Sereinig, Siegfried	(51) F42B 1/024
(51) F28D 7/16	(51) F41A 9/79	F42B 1/036
B23P 15/26	(11) EP3615879	F42B 33/02
B33Y 10/00	(21) EP18719566.4	(11) EP3601934
F28D 21/00	(47) 21.09.2022	(21) EP18721441.6
F28D 7/00	(87) EP2018060424	(47) 21.09.2022
F28D 7/02	01.11.2018	(87) GB2018050854
(11) EP3705831	(22) 24.04.2018	04.10.2018
(21) EP19216295.6	(54) SYSTEM OF AT LEAST TWO	(22) 29.03.2018
(47) 21.09.2022	CARTRIDGE BOXES FOR	(54) LINEAR SHAPED CHARGE AND
(22) 13.12.2019	AMMUNITION BELT	STRUCTURE
(54) RECTANGULAR HELICAL CORE	(73) FN Herstal SA	(73) LINEAR SHAPED LIMITED
GEOMETRY FOR HEAT EXCHANGER	(72) ROGGEN, Patrick	(72) LUMLEY, Andrew
(73) Hamilton Sundstrand Corporation	BAILLY, Yannick	(31) 201705261
(72) JOSEPH, Ephraim	JADIN, Frédéric	(32) 31.03.2017

(33) United Kingdom	G01F 15/063	(11) EP3559616
(51) G01B 11/00	G01F 15/075	(21) EP16828940.3
(11) EP3757507	G05D 7/06	(47) 21.09.2022
(21) EP20173836.6	(11) EP3591350	(87) EP2016082055
(47) 21.09.2022	(21) EP18181936.8	28.06.2018
(22) 11.05.2020	(47) 21.09.2022	(22) 21.12.2016
(54) HOLE LOCATION TARGETS AND MEASUREMENT SYSTEMS, AND METHODS FOR MEASURING A LOCATION OF A HOLE	(22) 05.07.2018	(54) OPTICAL SYSTEM
(73) The Boeing Company	(54) WATER METER WITH WATER MANAGEMENT CAPABILITIES	(73) CSEM Centre Suisse d'Electronique et de Microtechnique SA - Recherche et Développement
(72) HULL, Jerald A	(73) Kamstrup A/S	(72) STANLEY, Ross
FREEMAN, Philip L	(72) Rømer, Daniel Beck	CHEBIRA, Amina
(31) 201916456091	(51) G01F 25/00	DUNBAR, Liza Andrea
(32) 28.06.2019	G01F 1/58	
(33) United States of America	G01F 25/10	(51) G01J 3/45
(51) G01C 21/36	(11) EP2950061	(11) EP3413021
G06T 7/536	(21) EP15156183.4	(21) EP17747507.6
G01B 11/02	(47) 21.09.2022	(47) 21.09.2022
B60W 30/09	(22) 23.02.2015	(87) JP2017003726
G08G 1/16	(54) Electromagnetic flow meter, miswiring detection apparatus and miswiring detection method	10.08.2017
G01C 3/08	(73) Yokogawa Electric Corporation	(22) 02.02.2017
(11) EP3770549	(72) Zhang, Hong Yan	(54) SPECTRUM MEASUREMENT METHOD USING FOURIER-TRANSFORM-TYPE SPECTROMETER
(21) EP19771762.2	Shimura, Toru	(73) Jasco Corporation
(47) 21.09.2022	(31) 2014034024	(72) SUNAMI, Tetsuji
(87) JP2019005044	(32) 25.02.2014	SHIMAMURA, Takashi
26.09.2019	(33) Japan	WAKIMOTO, Norio
(22) 13.02.2019	(51) G01G 19/03	KOSHOBU, Jun
(54) INFORMATION PROCESSING DEVICE, MOVEMENT DEVICE, METHOD, AND PROGRAM	G01G 23/01	(31) 2016020084
(73) Sony Group Corporation	(11) EP3591353	(32) 04.02.2016
Sony Semiconductor Solutions Corporation	(21) EP17832175.8	(33) Japan
(72) OBA, Eiji	(47) 21.09.2022	(51) G01J 3/50
TSURUMI, Shingo	(87) JP2017023012	G01J 3/10
(31) 2018056512	07.09.2018	H05B 35/00
(32) 23.03.2018	(22) 22.06.2017	G01J 3/46
(33) Japan	(54) CALIBRATION DEVICE AND CALIBRATION METHOD	G01J 3/52
(51) G01D 5/347	(73) Panasonic Intellectual Property Management Co., Ltd.	G01J 3/02
G04C 3/00	(72) IMAGAWA Taro	(11) EP3376187
(11) EP3671134	NODA Akihiro	(21) EP16885452.9
(21) EP18215436.9	KUSAKA Hiroya	(47) 21.09.2022
(47) 21.09.2022	(31) 2017036228	(87) CN2016079514
(22) 21.12.2018	(32) 28.02.2017	08.09.2017
(54) SYSTEM AND METHOD FOR DETERMINING AT LEAST ONE PARAMETER RELATING TO AN ANGULAR MOVEMENT OF AN AXIS	(33) Japan	(22) 15.04.2016
(73) The Swatch Group Research and Development Ltd	(51) G01J 3/02	(54) COLOR TESTING METHOD USING STANDARD ILLUMINANT COLOR MATCHING BOX
(72) TORTORA, Pierpasquale	G01J 3/28	(73) Wenzhou Jiayi Instruments Co. Ltd
ZANESCO, Vittorio	G02B 3/00	(72) QIU, Jiayi
(51) G01D 18/00	G02B 19/00	LI, Changjun
(11) EP3657136	G02B 5/20	LEI, Guolin
(21) EP19207283.3	(11) EP3449228	SHI, Jianda
(47) 21.09.2022	(21) EP17731606.4	ZHAN, Yingsheng
(22) 05.11.2019	(47) 21.09.2022	(31) 201610123689
(54) METHOD FOR CALIBRATION OF A TEST SPECIMEN	(87) FR2017000076	(32) 04.03.2016
(73) Esz AG calibration & metrology	02.11.2017	(33) China
(72) Fleischmann, Philip M.	(22) 27.04.2017	(51) G01K 7/00
(31) 102018009074	(54) MULTI-SPECTRAL IMAGING DEVICE	G01K 7/22
(32) 19.11.2018	(73) Silius Technologies	G01K 1/08
(33) Germany	(72) TISSERAND, Stéphane	G01K 7/16
(51) G01F 15/00	ROUX, Laurent	(11) EP3842775
G01F 1/66	HUBERT, Marc	(21) EP19908078.9
	SAUGET, Vincent	(47) 21.09.2022
	FAIOLA, Aurélien	(87) JP2019044907
	(31) 1600716	20.05.2021
	(32) 29.04.2016	(22) 15.11.2019
	(33) France	(54) TEMPERATURE SENSOR, TEMPERATURE SENSOR ELEMENT,
	(51) G01J 3/26	
	G01J 3/28	

AND METHOD FOR MANUFACTURING TEMPERATURE SENSOR	(73) TECAN TRADING AG (72) OTT, Philipp	(73) Leibniz-Institut für Photonische Technologien e.V.
(73) Shibaura Electronics Co., Ltd.	(51) G01N 15/14	(72) POPP, Jürgen
(72) SUZUKI Tatsuyuki	(11) EP2972207	RIESENBERG, Rainer
(51) G01L 5/103	(21) EP14720364.0	KANKA, Mario
E06B 9/32	(47) 21.09.2022	WEBER, Karina
E06B 9/68	(87) US2014026877	(31) 102018133037
(11) EP3940185	25.09.2014	(32) 20.12.2018
(21) EP20186556.5	(22) 13.03.2014	(33) Germany
(47) 21.09.2022	(54) ASSEMBLIES AND METHODS FOR REDUCING OPTICAL CROSSTALK IN PARTICLE PROCESSING SYSTEMS	(51) G01N 21/39
(22) 17.07.2020	(73) Cytonome/ST, LLC	G01N 21/65
(54) SAFETY DEVICE FOR A SHUTTER BLIND, SHUTTER BLIND WITH SUCH A SAFETY DEVICE AND CONTROL METHOD FOR DRIVING AN ELECTRIC MOTOR-DRIVEN ROLLER SHUTTER DRIVE	(72) SHARPE, Johnathan, Charles PERRAULT, Donald, Frances, Jr. MACHADO, Emanuel Tito, Mendes MORAD, Blair, D.	G01N 21/3504
(73) ROMA KG	(31) 201361784431 P	G01J 3/42
(72) Krell, Rudolf	(32) 14.03.2013	G01J 3/44
Pfautler, Volker	(33) United States of America	G01J 3/28
(51) G01N 1/28	(51) G01N 21/17	G01J 1/04
G01N 24/08	G01N 21/27	G01J 3/02
(11) EP3671192	G01N 21/59	(11) EP3218695
(21) EP18846639.5	G01N 21/78	(21) EP15797779.4
(47) 21.09.2022	G01N 15/06	(47) 21.09.2022
(87) KR2018001328	G01N 15/14	(87) US2015060192
21.02.2019	G01N 33/66	19.05.2016
(22) 31.01.2018	G01N 33/84	(22) 11.11.2015
(54) METHOD FOR QUALITATIVELY ANALYZING INSOLUBLE PIGMENT COMPOUND	C12Q 1/54	(54) TARGET ANALYTE DETECTION AND QUANTIFICATION IN SAMPLE GASES WITH COMPLEX BACKGROUND COMPOSITIONS
(73) LG Chem, Ltd.	G01N 1/40	(73) Endress+Hauser Optical Analysis, Inc.
(72) YOUN, Yeu Young	G01N 21/80	(72) LIU, Xiang
KWAK, Sooyoung	G01N 15/00	FEITISCH, Alfred
LIM, Young Hee	(11) EP3220131	HELBLEY, Keith, Benjamin
CHO, Hye Sung	(21) EP17161401.9	TEDESCO, James
LEE, Yeon Hwa	(47) 21.09.2022	(31) 201414538699
(31) 20170104324	(22) 16.03.2017	(32) 11.11.2014
(32) 17.08.2017	(54) METHOD AND DEVICE FOR CHARACTERISING A LIQUID SAMPLE COMPRISING PARTICLES	(33) United States of America
(33) Korea (Republic)	(73) COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES	(51) G01N 21/64
(51) G01N 3/22	(72) AUBERT, Vivian	G02B 21/00
(11) EP3669165	POULAIN, Cédric	G02B 21/16
(21) EP19759499.7	HUET, Maxime	G02B 21/36
(47) 21.09.2022	RABAUD, David	G02B 27/58
(87) EP2019025266	(31) 1652263	(11) EP3329256
13.02.2020	(32) 17.03.2016	(21) EP16754174.7
(22) 09.08.2019	(33) France	(47) 21.09.2022
(54) TESTING MACHINE FOR TESTING CHARACTERISTICS OF MATERIALS	(51) G01N 21/25	(87) DE2016100341
(73) SP Schwäbische Prüfanlagen GmbH	G01N 21/03	09.02.2017
(72) KLEIN, Friedrich	G01N 21/45	(22) 27.07.2016
SÜDLAND, Norbert	G02B 3/08	(54) METHOD FOR GENERATING A DIGITAL FLUORESCENCE IMAGE
BASSMANN, Achim	G02B 21/34	(73) Carl Zeiss Microscopy GmbH
HOCH, Alexander	(11) EP3899494	(72) KALKBRENNER, Thomas
(31) 18188318	(21) EP19827602.4	WOLLESCHEMSKY, Ralf
(32) 09.08.2018	(47) 21.09.2022	(31) 102015112628
(33) European Patent Office (EPO)	(87) DE2019101058	(32) 31.07.2015
(51) G01N 11/04	25.06.2020	(33) Germany
G01N 11/06	(22) 09.12.2019	(51) G01N 21/88
G01N 35/10	(54) APPARATUS AND METHOD FOR DETERMINING OPTICAL CHARACTERISTICS OF A SAMPLE, ESPECIALLY FOR SELECTIVE DETECTION OF BIOLOGICAL MOLECULES AND FOR TRACKING MOLECULAR MOTION	(11) EP3531114
G01N 13/02		(21) EP18211912.3
(11) EP3502656		(47) 21.09.2022
(21) EP17210310.3		(22) 12.12.2018
(47) 21.09.2022		(54) VISUAL INSPECTION DEVICE AND ILLUMINATION CONDITION SETTING METHOD OF VISUAL INSPECTION DEVICE
(22) 22.12.2017		(73) OMRON Corporation
(54) A PIPETTING APPARATUS, A LIQUID HANDLING SYSTEM AND A METHOD OF CONTROLLING PIPETTING		(72) HAYASHI, Shingo
		(31) 2018031111
		(32) 23.02.2018
		(33) Japan

(51) G01N 23/02 G01V 5/00	(54) LOW GRADIENT NUCLEAR MAGNETIC RESONANCE LOGGING FOR MEASUREMENT OF LIGHT HYDROCARBON RESERVOIRS	(54) MULTIFUNCTIONAL POTENTIOMETRIC GAS SENSOR ARRAY WITH AN INTEGRATED TEMPERATURE CONTROL AND TEMPERATURE SENSORS
(11) EP3570014	(73) Baker Hughes Holdings LLC	(31) University of Florida Research Foundation, Inc.
(21) EP19184076.8	(72) COMAN, Radu	(72) BLACKBURN, Bryan, M.
(47) 21.09.2022	(31) 201614997195	WACHSMAN, Eric, D.
(22) 29.01.2013	(32) 15.01.2016	(31) 978696 P
(54) HIGH-SPEED SECURITY INSPECTION SYSTEM	(33) United States of America	(32) 09.10.2007
(73) Rapiscan Systems, Inc.	(51) G01N 27/327	(33) United States of America
(72) MORTON, Edward, James	C12Q 1/00	
(31) 201261596648 P	G01N 33/543	
(32) 08.02.2012	(11) EP2799854	(51) G01N 29/024
(33) United States of America	(21) EP14166162.9	G01F 1/66
(51) G01N 23/201	(47) 21.09.2022	G01F 3/22
(11) EP3271709	(22) 28.04.2014	G01N 25/00
(21) EP16769441.3	(54) Analytical device and method for manufacturing the same	G01N 29/30
(47) 21.09.2022	(73) ARKRAY, Inc.	G01N 29/32
(87) US2016023240	(72) Sato, Yoshiharu	G01N 29/44
29.09.2016	(31) 2014086657	(11) EP3282253
(22) 18.03.2016	2013097066	(21) EP16776374.7
(54) HAND-HELD PORTABLE BACKSCATTER INSPECTION SYSTEM	(32) 18.04.2014	(47) 21.09.2022
(73) Rapiscan Systems, Inc.	02.05.2013	(87) JP2016057790
(72) MORTON, Edward, James	(33) Japan	13.10.2016
(31) 201562136362 P	Japan	(22) 11.03.2016
201562136299 P	(51) G01N 27/404	(54) HEATING VALUE DERIVATION DEVICE AND HEATING VALUE DERIVATION METHOD
201562136305 P	(11) EP3480589	(73) Tokyo Gas Co., Ltd.
201562136322 P	(21) EP17199871.9	(72) KUNIGO, Yutaka
201562136315 P	(47) 21.09.2022	HISHINUMA, Masakazu
(32) 20.03.2015	(22) 03.11.2017	KOBAYASHI, Kenchi
20.03.2015	(54) ELECTROCHEMICAL GAS SENSOR CONSTRUCTED WITH MEMS FABRICATION TECHNOLOGY	IMANISHI, Hironori
20.03.2015	(73) Honeywell International Inc.	(31) 2015080016
20.03.2015	(72) BECK, Scott Edward	(32) 09.04.2015
(33) United States of America	WANG, Yong-Fa	(33) Japan
United States of America	HIGASHI, Robert	(51) G01N 30/32
United States of America	FOSTER, Philip Clayton	G01N 33/22
United States of America	PRATT, Keith Francis Edwin	(11) EP3825685
United States of America	DIACONU, Cristian Vasile	(21) EP19000587.6
(51) G01N 23/225	(51) G01N 27/409	(47) 21.09.2022
G01J 3/28	G01N 27/416	(22) 23.12.2019
G01N 21/31	G01N 27/407	(54) MOBILE MEASURING SYSTEM FOR CARRYING OUT A GAS ANALYSIS
H01J 49/00	(11) EP3467488	(73) Meter-Q Solutions GmbH
(11) EP2047245	(21) EP17802882.5	(72) ZACJ, Achim
(21) EP07840556.0	(47) 21.09.2022	KÖRTE, Jost
(47) 21.09.2022	(87) JP2017019537	(31) 202019004724 U
(87) US2007074610	30.11.2017	(32) 20.11.2019
31.01.2008	(22) 25.05.2017	(33) Germany
(22) 27.07.2007	(54) GAS SENSOR ASSEMBLING DEVICE AND ASSEMBLING METHOD	(51) G01N 33/48
(54) AUTOMATIC MATERIAL LABELING DURING SPECTRAL IMAGE DATA ACQUISITION	(73) NGK Insulators, Ltd.	C12M 1/34
(73) Thermo Electron Scientific Instruments LLC	(72) HATTORI Tetsuya	C12M 1/36
(72) ROHDE, David, B.	TANAKA Hiroyuki	H04N 1/387
CAMUS, Patrick, P.	SHICHI Shinichiro	G06T 7/00
(31) 820537 P	(31) 2016104278	G06K 9/62
(32) 27.07.2006	(32) 25.05.2016	G06V 10/26
(33) United States of America	(33) Japan	G06V 10/42
(51) G01N 24/08	(51) G01N 27/419	G06V 20/69
G01N 33/24	G01N 27/406	(11) EP3428262
G01V 3/32	(11) EP2201357	(21) EP16893530.2
(11) EP3403078	(21) EP08838074.6	(47) 21.09.2022
(21) EP17738905.3	(47) 21.09.2022	(87) JP2016057783
(47) 21.09.2022	(87) US2008079416	14.09.2017
(87) US2017013140	16.04.2009	(22) 11.03.2016
20.07.2017	(22) 09.10.2008	(54) IMAGE PROCESSING DEVICE
(22) 12.01.2017		(73) Nikon Corporation
		(72) Kii Hiroaki

KIYOTA Yasujiro	(21) EP16173152.6	G06F 11/273
UOZUMI Takayuki	(47) 21.09.2022	(11) EP3791197
YAMAZAKI Yoichi	(22) 06.06.2016	(21) EP19799685.3
(51) G01N 33/50	(54) SUPPLYING CONSUMABLE ITEMS TO AN AUTOMATED SAMPLE ANALYZER	(47) 21.09.2022
(11) EP3457123	(73) F. Hoffmann-La Roche AG	(87) US2019028247
(21) EP16891652.6	(72) Cojocar, Adrian	14.11.2019
(47) 21.09.2022	Franzen, Liutger Johannes	(22) 19.04.2019
(87) JP2016086764	Maetzler, Marco	(54) BUS SYNCHRONIZATION SYSTEM
31.08.2017	Reischauer, Hans	(73) Teradyne, Inc.
(22) 09.12.2016	Topsakalian, Stephan	(72) PANIS, Michael C.
(54) METHOD FOR ANALYZING SIALYL SUGAR CHAIN	Zwahlen, Florian	BENAGH, Jeffrey S.
(73) Shimadzu Corporation	(51) G01P 15/093	PYE, Richard
(72) NISHIKAZE, Takashi	G01P 21/00	(31) 201815976407
(31) 2016030603	H01S 5/00	(32) 10.05.2018
(32) 22.02.2016	H01S 5/0687	(33) United States of America
(33) Japan	(11) EP3730948	(51) G01R 31/3193
(51) G01N 33/558	(21) EP20158639.3	G01R 31/319
A61B 10/00	(47) 21.09.2022	G01R 31/28
G01N 33/68	(22) 20.02.2020	G01R 31/317
G01K 13/00	(54) NOISE REJECTION FOR OPTOMECHANICAL DEVICES	(11) EP3477318
(11) EP3281014	(73) Honeywell International Inc.	(21) EP18172920.3
(21) EP16716788.1	(72) DORR, Joshua	(47) 21.09.2022
(47) 21.09.2022	FERTIG, Chad	(22) 17.05.2018
(87) US2016026049	SAVCHENKO, Arthur	(54) METHOD AND SYSTEM FOR MEASURING A PROPAGATION DELAY AND TRANSMITTANCE OF A DEVICE UNDER TEST (DUT)
13.10.2016	KRUEGER, Neil	(73) AEM Singapore Pte. Ltd.
(22) 05.04.2016	TIN, Steven	(72) PANDYA, Harshang Nileshkumar
(54) A TEST DEVICE FOR DETECTING AN ANALYTE IN A SALIVA SAMPLE AND METHOD OF USE	(31) 201916391074	CUI, Minglei
(73) Bludiagnosics, Inc.	(32) 22.04.2019	
(72) BRENNER, Sarah, Katherine	(33) United States of America	(51) G01R 31/36
WEIBEL, Douglas, Benjamin	(51) G01R 19/25	B60L 3/12
(31) 201562143792 P	(11) EP3531141	B60L 1/00
(32) 06.04.2015	(21) EP19163252.0	(11) EP3507614
(33) United States of America	(47) 21.09.2022	(21) EP17719825.6
(51) G01N 35/00	(22) 23.06.2010	(47) 21.09.2022
(11) EP2857842	(54) METHOD AND DEVICE FOR NETWORK CONDITION MONITORING	(87) EP2017059167
(21) EP13004812.7	(73) Wobben Properties GmbH	08.03.2018
(47) 21.09.2022	(72) Beekmann, Alfred	(22) 18.04.2017
(22) 07.10.2013	Diedrichs, Volker	(54) METHOD FOR DETERMINING THE FUNCTIONAL RELIABILITY OF A BATTERY
(54) Access control for a laboratory device, laboratory device with access control, and method for treatment of laboratory specimens controlled by devices	(31) 102009031017	(73) Volkswagen Aktiengesellschaft
(73) Eppendorf SE	(32) 29.06.2009	(72) KREMSE, Till
(72) Goemann-Thoss, Wolfgang Dr.	(33) Germany	HOLLAS, Markus
Wente, Wolf Dr.	(51) G01R 19/25	NEBELSIEK, Marvin
Thieme, Andreas	G01R 29/18	SAUCKE, Wolfgang
Frerichs, Jan-Gerd Dr.	(11) EP3491399	(31) 102016216664
Markau, Christiane	(21) EP17751879.2	(32) 02.09.2016
Hacker, Jan-Hendrik	(47) 21.09.2022	(33) Germany
(51) G01N 35/00	(87) US2017043612	(51) G01R 31/367
(11) EP3671219	01.02.2018	B60L 3/12
(21) EP18213587.1	(22) 25.07.2017	B60L 58/12
(47) 21.09.2022	(54) SYNCHRONIZED PHASOR MEASUREMENT IN POWER DISTRIBUTION NETWORKS	B60L 58/16
(22) 18.12.2018	(73) Aclara Technologies LLC	(11) EP3983816
(54) CALIBRATION MANAGEMENT OF AN IN-VITRO DIAGNOSTIC SYSTEM	(72) RIEKEN, David W.	(21) EP19731653.2
(73) F. Hoffmann-La Roche AG	BERCHIN, Gregory	(47) 21.09.2022
(72) DROBNIK, Juliane	PIYASINGHE, Lakshan Prageeth	(87) EP2019065337
KLINGAU, Mirko	FARGNOLI, Albert	17.12.2020
KRIEG, Regula	MIRSHEKARI, Saeed	(22) 12.06.2019
(51) G01N 35/00	(31) 201615219775	(54) A METHOD FOR ESTIMATING A BATTERY STATE
G06Q 10/08	(32) 26.07.2016	(73) VOLVO TRUCK CORPORATION
G01N 35/04	(33) United States of America	(72) ALTA, Faisal
(11) EP3255436	(51) G01R 31/317	(51) G01R 31/367
	G01R 31/3183	B60L 3/12
	G06F 13/42	B60L 58/12
	G06F 11/22	B60L 58/16

(11) EP3983815	(21) EP20757507.7	(47) 21.09.2022
(21) EP19730754.9	(47) 21.09.2022	(22) 16.01.2019
(47) 21.09.2022	(87) CN2020097219	(54) METHOD AND PROCESSOR
(87) EP2019065333	30.12.2020	FOR DETERMINING SPATIAL
17.12.2020	(22) 19.06.2020	INFORMATION REGARDING A
(22) 12.06.2019	(54) TRANSFORMER MONITORING	VEHICLE
(54) A METHOD FOR ESTIMATING A	METHOD AND DEVICE AND STORAGE	(73) NXP USA, Inc.
BATTERY STATE	MEDIUM	(72) Nawaz, Muhammad Saad
(73) VOLVO TRUCK CORPORATION	(73) Shandong Electrical Engineering &	<hr/>
(72) ALTAF, Faisal	Equipment Group Intelligent Electric Co.,	(51) G01S 7/40
(51) G01R 31/3842	Ltd	G01S 13/34
G01R 31/385	(72) ZHANG, Miao	G01S 13/87
(11) EP3698153	WEI, Caixia	G01S 7/35
(21) EP18789139.5	SUN, Jerong	G01S 13/931
(47) 21.09.2022	QIAO, Chunlai	(11) EP3851869
(87) EP2018078566	CHEN, Fei	(21) EP20152111.9
25.04.2019	QI, Yunlong	(47) 21.09.2022
(22) 18.10.2018	LI, Xixun	(22) 16.01.2020
(54) METHOD AND SYSTEM FOR TESTING	PAN, Fei	(54) RADAR SYSTEM
A RECHARGEABLE BATTERY	GUO, Yingying	(73) NXP USA, Inc.
(73) Eltek AS	ZHOU, Xinlin	(72) GUARIN ARISTIZABAL, Gustavo Adolfo
(72) ANDERSEN, Håkon	(31) 201910565853	SION, Arnaud
(31) 201717262	(32) 26.06.2019	WU, Ryan Haoyun
(32) 20.10.2017	(33) China	<hr/>
(33) United Kingdom	(51) G01R 33/36	(51) G01S 7/48
(51) G01R 31/3842	(11) EP3633400	G02B 5/12
H01M 10/42	(21) EP18198141.6	(11) EP3032274
B60L 58/10	(47) 21.09.2022	(21) EP15187520.0
B60K 6/24	(22) 02.10.2018	(47) 21.09.2022
B60K 6/34	(54) MAGNETIC RESONANCE	(22) 30.09.2015
G01R 31/3835	TOMOGRAPH AND SYSTEM AND	(54) RANGE ENHANCEMENT FOR LIDAR
G01R 31/36	METHOD FOR PREVENTING CROSS-	SYSTEMS AND IR CAMERA SYSTEMS
G01R 19/165	TALK	(73) The Boeing Company
H02J 7/00	(73) Siemens Healthcare GmbH	(72) Jungwirth, Douglas R.
H01M 10/48	(72) Biber, Stephan	(31) 201414552206
(11) EP3733436	Grodzki, David	(32) 24.11.2014
(21) EP19871300.0	(51) G01S 5/02	(33) United States of America
(47) 21.09.2022	(11) EP3405806	<hr/>
(87) KR2019013387	(21) EP17740936.4	(51) G01S 7/4861
16.04.2020	(47) 21.09.2022	G01S 17/66
(22) 11.10.2019	(87) CA2017050059	F41G 3/14
(54) BATTERY MANAGEMENT APPARATUS	27.07.2017	F41G 3/16
AND METHOD	(22) 19.01.2017	G01S 7/48
(73) LG Energy Solution, Ltd.	(54) LOCATION DETERMINATION USING	G02B 26/08
(72) HONG, Sung-Ju	CROWD SOURCED INFORMATION	G01S 7/481
KIM, Dong-Hyun	(73) RX Networks Inc.	G01S 17/10
(31) 20180122136	(72) SADRIEH, Seyed Nima	G01S 7/51
(32) 12.10.2018	(31) 201662281613 P	G01S 7/484
(33) Korea (Republic)	(32) 21.01.2016	(11) EP3535604
(51) G01R 31/52	(33) United States of America	(21) EP17868155.7
G01R 31/54	(51) G01S 5/04	(47) 21.09.2022
G01R 31/58	G01S 5/02	(87) US2017059250
G01R 31/00	(11) EP3499263	11.05.2018
(11) EP3477316	(21) EP17206768.8	(22) 31.10.2017
(21) EP18201714.5	(47) 21.09.2022	(54) SYSTEM AND METHOD FOR COVERT
(47) 21.09.2022	(22) 12.12.2017	POINTER/COMMUNICATIONS AND
(22) 22.10.2018	(54) DIRECTION FINDING SYSTEM AND	LASER RANGE FINDER
(54) METHOD OF TESTING CABLE SHIELD	METHOD FOR RADIO DIRECTION	(73) BAE SYSTEMS Information and
PERFORMANCE	FINDING OF A TARGET	Electronic Systems Integration, Inc.
(73) Hamilton Sundstrand Corporation	(73) Rohde & Schwarz GmbH & Co. KG	(72) CHOINIÈRE, Michael, J.
(72) Garcia, Francis A.	(72) Liw, Sean Ian	(31) 201615344849
(31) 201715792491	(51) G01S 7/02	(32) 07.11.2016
(32) 24.10.2017	G01S 7/35	(33) United States of America
(33) United States of America	G01S 13/34	<hr/>
(51) G01R 31/62	G01S 13/42	(51) G01S 13/86
H01F 27/40	G01S 13/931	G01S 13/88
H02H 7/055	(11) EP3683596	G01S 13/56
(11) EP3789777	(21) EP19152106.1	G08B 13/18
		(11) EP3109666
		(21) EP16174698.7
		(47) 21.09.2022
		(22) 16.06.2016

(54) SYSTEM AND METHOD FOR DETECTING TARGET OBJECT	G01R 33/20	C23C 14/10
(73) Panasonic Intellectual Property Management Co., Ltd.	G01S 17/88	C23C 14/30
(72) TANAKA, Toshiaki	G01S 15/02	C23C 14/20
YAMAOKA, Masaru	G01S 13/50	C23C 14/00
MASUDA, Kenji	G01S 13/86	(11) EP3330749
(31) 2015240532	G01S 13/88	(21) EP16830498.8
2015127099	G01S 15/50	(47) 21.09.2022
(32) 09.12.2015	G01S 15/88	(87) JP2016071784
24.06.2015	G01R 33/48	02.02.2017
(33) Japan	A61N 5/00	(22) 25.07.2016
Japan	A61N 5/10	(54) SILVER MIRROR, AND PRODUCTION METHOD AND EXAMINATION METHOD THEREFOR
(51) G01S 13/88	G01S 15/89	(73) Konica Minolta, Inc.
G01S 13/34	G01S 17/89	(72) KAWAJI, Munenori
(11) EP3422047	G01R 33/28	NAKAMURA, Shingo
(21) EP18178667.4	G01R 33/567	TAGUCHI, Tomokazu
(47) 21.09.2022	G01S 13/02	(31) 2015148151
(22) 19.06.2018	(11) EP3775991	(32) 27.07.2015
(54) APPARATUS AND METHOD OF QUADRATURE DETECTION USING ONE MIXER WITHOUT OVERSAMPLING IN A RECEIVER	(21) EP19712799.6	(33) Japan
(73) Honeywell International Inc.	(47) 21.09.2022	(51) G02B 6/036
(72) FRICK, Seth T.	(87) EP2019057988	C03B 37/027
WINSTEAD, Benjamin J.	10.10.2019	(11) EP3754394
(31) 201715634056	(22) 29.03.2019	(21) EP20180220.4
(32) 27.06.2017	(54) MOTION TRACKING IN MAGNETIC RESONANCE IMAGING USING RADAR AND A MOTION DETECTION SYSTEM	(47) 21.09.2022
(33) United States of America	(73) Koninklijke Philips N.V.	(22) 16.06.2020
(51) G01S 13/931	(72) WIRTZ, Daniel	(54) OPTICAL FIBER
G01S 7/35	NIELSEN, Tim	(73) SUMITOMO ELECTRIC INDUSTRIES, LTD.
G01S 7/41	LEUSSLER, Christoph	(72) Kawaguchi, Yuki
(11) EP3701281	(31) 18165812	Tamura, Yoshiaki
(21) EP18793395.7	(32) 05.04.2018	Sakuma, Hiroataka
(47) 21.09.2022	(33) European Patent Office (EPO)	Suzuki, Masato
(87) EP2018078862	(51) G01V 1/30	(31) 2019112800
02.05.2019	(11) EP2867705	(32) 18.06.2019
(22) 22.10.2018	(21) EP13717836.4	(33) Japan
(54) USING DATA FROM A RADAR SENSOR FOR MACHINE LEARNING BASED PERCEPTION	(47) 21.09.2022	(51) G02B 6/38
(73) Robert Bosch GmbH	(87) GB2013050941	G02B 6/42
(72) CHAKRABORTY, Bhavana	03.01.2014	G02B 6/44
AIGNER, Berenike	(22) 11.04.2013	H01B 11/22
(31) 201715792190	(54) ADAPTIVE HORIZON TRACKING	(11) EP2901188
(32) 24.10.2017	(73) Foster Findlay Associates Limited	(21) EP13762687.5
(33) United States of America	(72) PURVES, Steven	(47) 21.09.2022
(51) G01S 13/931	LOWELL, James	(87) US2013058182
G01S 13/42	NORTON, Dale	03.04.2014
G01S 13/78	HENDERSON, Jonathon	(22) 05.09.2013
G01S 13/87	(31) 201211603	(54) METALLIZED OPTICAL FIBER
G08G 5/00	(32) 29.06.2012	(73) Dow Global Technologies LLC
G01S 13/02	(33) United Kingdom	(72) FU, Lin
G08G 1/16	(51) G01W 1/10	FLORY, Anny
G08G 3/02	(11) EP3884311	POLANKSY, Damien
G08G 5/04	(21) EP19805891.9	KMIEC, Chester, J.
G01S 13/933	(47) 21.09.2022	(31) 201261706381 P
(11) EP3404443	(87) DK2019050343	(32) 27.09.2012
(21) EP17171349.8	28.05.2020	(33) United States of America
(47) 21.09.2022	(22) 12.11.2019	(51) G02B 6/44
(22) 16.05.2017	(54) CALCULATING A RETURN PERIOD WIND SPEED	(11) EP2956809
(54) DEVICE AND METHOD FOR DETECTING A TRAFFIC PARTICIPANT	(73) VESTAS WIND SYSTEMS A/S	(21) EP14708983.3
(73) HENSOLDT Sensors GmbH	(72) ZAGAR, Mark	(47) 21.09.2022
(72) Eberle, Matthias	VASUDEVAN, Karthik	(87) US2014015470
Mayer, Horst	(31) PA201870764	21.08.2014
(51) G01S 17/02	(32) 20.11.2018	(22) 10.02.2014
G01S 17/50	(33) Denmark	(54) FIBER OPTIC CABLE ASSEMBLY
	(51) G02B 5/08	(73) Corning Optical Communications LLC
	C23C 14/06	(72) COMPTON, Brandon Duvall
	C23C 14/08	CONNER, Mark Edward
	C23C 14/48	FAULKNER, Michael Todd
	C23C 14/22	JENSEN, Joseph Clinton

NIELSEN, Lars Kristian	(47) 21.09.2022	(31) 201414569016
(31) 201313767318	(87) DE2013000578	(32) 12.12.2014
(32) 14.02.2013	17.04.2014	(33) United States of America
(33) United States of America	(22) 09.10.2013	(51) G02F 1/065
(51) G02B 6/44	(54) LASER BEAM DIRECTING SYSTEM	G02B 6/12
(11) EP3761093	AND METHOD FOR ORIENTING	(11) EP3704536
(21) EP20183231.8	OPTICAL COMPONENTS OF THE	(21) EP18799433.0
(47) 21.09.2022	LASER BEAM DIRECTING SYSTEM	(47) 21.09.2022
(22) 30.06.2020	(73) MBDA Deutschland GmbH	(87) EP2018000486
(54) FLAME RETARDANT BUFFER TUBES	(72) PROTZ, Rudolf	09.05.2019
FOR LOOSE TUBE CABLES	(31) 102012019940	(22) 24.10.2018
(73) Corning Research & Development	(32) 11.10.2012	(54) WAVEGUIDE COMPONENT
Corporation	(33) Germany	(73) Karlsruher Institut für Technologie
(72) FENG, Jie	(51) G02B 19/00	(72) FREUDE, Wolfgang
HURLEY, William Carl	(11) EP3084498	KOOS, Christian
RICHTER-BUEHLING, Martina Petra	(21) EP14816226.6	LAUERMANN, Matthias
(31) 201962869937 P	(47) 21.09.2022	UMMETHALA, Sandeep
(32) 02.07.2019	(87) EP2014078166	(31) 102017125581
(33) United States of America	25.06.2015	(32) 02.11.2017
(51) G02B 6/44	(22) 17.12.2014	(33) Germany
H04Q 1/02	(54) OPTICAL ELEMENT FOR A PLURALITY	(51) G02F 1/1333
(11) EP3256895	OF LEDS, AND ARRANGEMENT FOR	(11) EP3751335
(21) EP15719832.6	LIGHT EMISSION	(21) EP20190042.0
(47) 21.09.2022	(73) Zumtobel Lighting GmbH	(47) 21.09.2022
(87) IT2015000031	(72) EBNER, Stephan	(22) 09.01.2019
18.08.2016	(31) 102013226970	(54) DISPLAY DEVICE
(22) 11.02.2015	(32) 20.12.2013	(73) LG Electronics Inc.
(54) CABINET FOR HANDLING CABLES	(33) Germany	(72) KIL, Hyongil
(73) Prysmian S.p.A.	(51) G02B 26/10	BAEK, Sangmin
(72) ROBERTS, Kris Jonathan	G02B 26/08	(31) 20180034470
WAY, Rory John Geoffrey	(11) EP2980626	(32) 26.03.2018
GRIFFITHS, Ian James	(21) EP15176577.3	(33) Korea (Republic)
(51) G02B 6/48	(47) 21.09.2022	(51) G03B 9/06
(11) EP3100092	(22) 14.07.2015	(11) EP3553599
(21) EP15702563.6	(54) LIGHT DEFLECTOR, AND APPARATUS	(21) EP17878729.7
(47) 21.09.2022	HAVING LIGHT DEFLECTOR	(47) 21.09.2022
(87) GB2015050204	(73) Ricoh Company, Ltd.	(87) JP2017042022
06.08.2015	(72) AKANUMA, Goichi	14.06.2018
(22) 29.01.2015	(31) 2015100918	(22) 22.11.2017
(54) JUMPER INSULATOR	2014154292	(54) DIAPHRAGM DEVICE, LENS
(73) AFL Global	(32) 18.05.2015	BARREL, AND IMAGING DEVICE OR
(72) BAKER, Jim	29.07.2014	PROJECTION DEVICE
NAYLOR, Mark	(33) Japan	(73) Nittoh Inc.
(31) 201401703	Japan	(72) HANAOKA, Takafumi
(32) 31.01.2014	(51) G02B 27/01	(31) 2016239583
(33) United Kingdom	(11) EP3553585	(32) 09.12.2016
(51) G02B 7/02	(21) EP18290029.0	(33) Japan
G03B 17/55	(47) 21.09.2022	(51) G03B 19/00
H04N 5/225	(22) 09.04.2018	G05B 15/00
(11) EP3584620	(54) HEAD-UP DISPLAY SYSTEM	G01C 11/00
(21) EP19180952.4	(73) Valeo Comfort and Driving Assistance	G03B 17/56
(47) 21.09.2022	(72) Delpierre, Laurent	G03B 29/00
(22) 18.06.2019	Grandclerc, François	G03B 37/04
(54) OPTICAL DEVICE FOR VEHICLE	Le-Toumelin, Loic	H04N 5/232
COMPRISING A HEATING ELEMENT	(51) G02F 1/025	G03B 15/00
(73) Aptiv Technologies Limited	(11) EP3230793	G03B 37/02
(72) Arkadiusz, RAFALOWSKI	(21) EP15819987.7	(11) EP3380892
Witold, POREDA	(47) 21.09.2022	(21) EP16868136.9
(31) 1855336	(87) US2015065266	(47) 21.09.2022
(32) 18.06.2018	16.06.2016	(87) IL2016051176
(33) France	(22) 11.12.2015	01.06.2017
(51) G02B 7/182	(54) ELECTRO-OPTIC MODULATOR	(22) 01.11.2016
F41H 13/00	TERMINATION	(54) AERIAL PHOTOGRAPHY CAMERA
G02B 26/10	(73) Cisco Technology, Inc.	SYSTEM
G01S 17/02	(72) ADAMS, Donald Benjamin	(73) Israel Aerospace Industries Ltd.
(11) EP2906983	ANDERSON, Sean P.	(72) ROZENBERG, Ohad
(21) EP13786412.0	WEBSTER, Mark Andrew	SOMECH, Haim
	TRAVERSO, Matthew	(31) 24279015

(32) 26.11.2015	B60Q 1/00	(11) EP3343451
(33) Israel	G01S 17/89	(21) EP16207336.5
(51) G03F 7/09	G01S 7/481	(47) 21.09.2022
C07C 233/80	G01S 7/4863	(22) 29.12.2016
C07C 235/84	(11) EP3662329	(54) PORTABLE OBJECT COMPRISING A
C07D 233/74	(21) EP19724467.6	NEAR-FIELD CONNECTION DEVICE
C07D 239/10	(47) 21.09.2022	(73) The Swatch Group Research and
C07D 251/30	(87) EP2019062373	Development Ltd
C07D 487/04	28.11.2019	(72) Vuille, Pierry
H01L 21/033	(22) 14.05.2019	Martin, Jean-Claude
(11) EP3879341	(54) HOLOGRAPHIC LIGHT DETECTION	Willemin, Michel
(21) EP21159432.0	AND RANGING	Scordillis, Thierry
(47) 21.09.2022	(73) Envisics Ltd.	(51) G05B 9/02
(22) 25.02.2021	(72) CHRISTMAS, Jamieson	G05B 19/042
(54) MATERIAL FOR FORMING ORGANIC	WHITING, Paul	(11) EP3557338
FILM, METHOD FOR FORMING	(31) 201808623	(21) EP18168274.1
ORGANIC FILM, PATTERNING	(32) 25.05.2018	(47) 21.09.2022
PROCESS, AND COMPOUND	(33) United Kingdom	(22) 19.04.2018
(73) Shin-Etsu Chemical Co., Ltd.	(51) G04B 1/14	(54) METHOD FOR PROGRAMMING A
(72) Nakahara, Takayoshi	(11) EP3575885	SAFETY CONTROLLER
Kori, Daisuke	(21) EP18175570.3	(73) Wieland Electric GmbH
Biyajima, Yusuke	(47) 21.09.2022	(72) LAUBSCH, Jörg
(31) 2020034704	(22) 01.06.2018	(51) G05B 13/02
(32) 02.03.2020	(54) HOROLOGICAL BARRREL	(11) EP3945375
(33) Japan	(73) Nivarox-FAR S.A.	(21) EP20189012.6
(51) G03F 7/20	(72) Vannod, Jonas	(47) 21.09.2022
(11) EP3583470	Charbon, Christian	(22) 31.07.2020
(21) EP18713604.9	(51) G04B 5/16	(54) MACHINE CONTROLLER AND
(47) 21.09.2022	(11) EP3874331	METHODS FOR CONFIGURING AND
(87) EP2018057060	(21) EP19798135.0	USING THE MACHINE CONTROLLER
27.09.2018	(47) 21.09.2022	(73) Siemens Aktiengesellschaft
(22) 20.03.2018	(87) IB2019059428	(72) Ellath Meethal, Rishith
(54) PROCESS AND APPARATUS FOR	07.05.2020	Obst, Birgit
ADJUSTING THE FLOOR OF A	(22) 04.11.2019	(51) G05B 13/04
FLEXOGRAPHIC PRINTING PLATE IN	(54) OSCILLATING WEIGHT WITH	G05B 17/02
A CONTROLLED EXPOSURE SYSTEM	VARIABLE GEOMETRY FOR A	F24F 11/62
OR PROCESS	TIMEPIECE MECHANISM	F24F 11/30
(73) Esko-Graphics Imaging GmbH	(73) Guenat SA Montres Valgine	G05D 23/19
(72) WOLTERINK, Jörg	(72) CRETTEX, Frédéric	(11) EP3117275
HÄNSEL, Thomas	DE OLIVEIRA, Pedro	(21) EP15715477.4
(31) 201762473784 P	(31) 13452018	(47) 21.09.2022
(32) 20.03.2017	(32) 02.11.2018	(87) NL2015050150
(33) United States of America	(33) Switzerland	17.09.2015
(51) G03G 21/16	(51) G04B 15/08	(22) 10.03.2015
(11) EP3699693	G04B 17/06	(54) NAVIER-STOKES BASED INDOOR
(21) EP20154309.7	G04B 17/26	CLIMATE CONTROL
(47) 21.09.2022	G04C 5/00	(73) Nederlandse Organisatie voor toegepast-
(22) 29.01.2020	G04B 15/06	natuurwetenschappelijk onderzoek TNO
(54) POSITIONING APPARATUS AND	(11) EP3882713	(72) BOOIJ, Paul Sebastian
IMAGE FORMING APPARATUS	(21) EP20164021.6	(31) 14158662
(73) CANON KABUSHIKI KAISHA	(47) 21.09.2022	(32) 10.03.2014
(72) SAWASHIMA, Fumiya	(22) 18.03.2020	(33) European Patent Office (EPO)
KAWANAMI, Takeo	(54) TIMEPIECE MOVEMENT COMPRISING	(51) G05B 17/02
HIJIKATA, Shunsuke	AN ESCAPEMENT PROVIDED WITH A	G05B 13/04
KOGUCHI, Kohei	MAGNETIC SYSTEM	G05B 11/36
IIZUKA, Yoichiro	(73) The Swatch Group Research and	(11) EP3726304
(31) 2019027866	Development Ltd	(21) EP18888118.9
2019027865	(72) DI DOMENICO, M. Gianni	(47) 21.09.2022
(32) 19.02.2019	LECHOT, M. Dominique	(87) JP2018045693
19.02.2019	STRANCZL, M. Marc	20.06.2019
(33) Japan	LÉGERET, M. Benoît	(22) 12.12.2018
Japan	(51) G04R 20/26	(54) CONTROL SYSTEM
(51) G03H 1/00	G04R 60/06	(73) Omron Corporation
G03H 1/22	H04B 5/00	(72) EGI, Mamoru
G03H 1/02	H04B 5/02	(31) 2017240735
G03H 1/30	G06K 19/073	(32) 15.12.2017
B60Q 1/08	G04G 21/04	(33) Japan
G06K 9/00	G06K 19/077	

(51) G05B 19/00	(11) EP3534232	(72) WIBERG, Wilhelm
(11) EP3249477	(21) EP19160167.3	BERGQUIST, Stefan
(21) EP17001134.0	(47) 21.09.2022	VALTERSSON, Edvin
(47) 21.09.2022	(22) 01.03.2019	SKÖLD, Mats
(22) 27.01.2012	(54) A SAFETY MONITORING METHOD	(51) G05D 1/02
(54) METHOD OF TRAINING AND USING A	AND APPARATUS FOR AN	G05D 1/10
WIRELESS TRAINABLE TRANSCEIVER	INDUSTRIAL CONTROL SYSTEM	G06Q 10/08
DEVICE	(73) Siemens Aktiengesellschaft	G06Q 50/30
(73) Gentex Corporation	(72) GUO, Dai Fei	H05B 47/165
(72) GEERLINGS, Steven L.	(31) 201810172798	(11) EP3664003
SWIFTNEY, Steven	(32) 01.03.2018	(21) EP19214047.3
FOY, Landon S.	(33) China	(47) 21.09.2022
OHLER, Jens	(51) G05D 1/00	(22) 06.12.2019
HUISINGH, Jack A.	G05D 1/02	(54) SYSTEM AND METHOD FOR GUIDING
(31) 201161437394 P	(11) EP3786757	AN AUTONOMOUS VEHICLE
(32) 28.01.2011	(21) EP18915941.1	(73) Siteco GmbH
(33) United States of America	(47) 21.09.2022	(72) Bornemann, Lars
(51) G05B 19/042	(87) CN2018084499	König, Christian
G05B 19/048	31.10.2019	(31) 102019105159
G05B 23/02	(22) 25.04.2018	102018009603
(11) EP3608733	(54) CAMERA STABILIZER POSITION	(32) 28.02.2019
(21) EP19185170.8	CORRECTION METHOD AND DEVICE	06.12.2018
(47) 21.09.2022	(73) SZ DJI Technology Co., Ltd.	(33) Germany
(22) 09.07.2019	(72) ZHANG, Xiang	Germany
(54) DISTRIBUTED CONTROL AND	LI, Bing	(51) G05D 1/12
MONITORING SYSTEM FOR GAS	ZHOU, You	G01C 21/20
TURBINE ENGINE	(51) G05D 1/02	(11) EP3731056
(73) Rolls-Royce Corporation	(11) EP3770712	(21) EP17935454.3
(72) Bingham, Nathan	(21) EP18910949.9	(47) 21.09.2022
Elliott, Michael	(47) 21.09.2022	(87) CN2017117773
McPherson, James	(87) JP2018010747	27.06.2019
Ruff, Christopher	26.09.2019	(22) 21.12.2017
Terbrock, Andrew	(22) 19.03.2018	(54) METHOD AND DEVICE FOR
Wiegand, Kerry	(54) AUTONOMOUS TRAVELING WORK	DETERMINING FLIGHT PATH OF
(31) 201816057529	MACHINE	UNMANNED AERIAL VEHICLE
(32) 07.08.2018	(73) HONDA MOTOR CO., LTD.	(73) Beijing Xiaomi Mobile Software Co., Ltd.
(33) United States of America	(72) MURO, Keiji	(72) HONG, Wei
(51) G05B 19/418	KAMEYAMA, Naoki	(51) G05D 7/06
G06Q 50/04	SHIMAMURA, Hideaki	E03B 7/00
G05B 19/4097	KANEKO, Runa	E03B 7/07
(11) EP3789835	HISADA, Ryota	E03B 7/08
(21) EP18921331.7	(51) G05D 1/02	F24D 19/10
(47) 21.09.2022	(11) EP3809228	(11) EP3812870
(87) JP2018021944	(21) EP20196128.1	(21) EP20197305.4
12.12.2019	(47) 21.09.2022	(47) 21.09.2022
(22) 07.06.2018	(22) 15.09.2020	(22) 22.12.2008
(54) PROCESS DECISION SUPPORT	(54) METHOD FOR NAVIGATING AN	(54) FLOW CONTROL SYSTEM
DEVICE, PROCESS DECISION	INDUSTRIAL TRUCK	(73) Belparts Group N.V.
SUPPORT METHOD AND STORAGE	(73) StreetScooter GmbH	(72) ULENS, Jan
MEDIUM THAT STORES A PROCESS	(72) Bellof, Marco	VANDENHEUVEL, Philip
DECISION SUPPORT PROGRAM	Turan, Bugra	VANDENDRIESSCHE, Peter
(73) Mitsubishi Electric Corporation	Müller, Sebastian	(31) 200800354
(72) SUMI, Nobuyuki	(31) 102019128253	(32) 26.06.2008
KAYASHIMA, Shun	(32) 18.10.2019	(33) Belgium
IRIGUCHI, Kenji	(33) Germany	(51) G05G 1/08
UOZUMI, Seiji	(51) G05D 1/02	G05G 5/06
(51) G05B 19/418	B60W 30/00	G05G 25/04
H04W 76/14	B62D 15/02	(11) EP3392732
(11) EP3731048	B60W 30/16	(21) EP18160360.6
(21) EP19000201.4	(11) EP3791239	(47) 21.09.2022
(47) 21.09.2022	(21) EP18724836.4	(22) 06.03.2018
(22) 26.04.2019	(47) 21.09.2022	(54) ROTARY KNOB CONTROLLER
(54) A METHOD FOR COOPERATIVELY	(87) EP2018062188	(73) Danfoss Power Solutions Inc.
CARRYING A WORK PIECE	14.11.2019	(72) KUBES, Joseph
(73) Siemens Aktiengesellschaft	(22) 11.05.2018	(31) 201715491344
(72) BAHR, Michael	(54) A METHOD FOR ESTABLISHING A	(32) 19.04.2017
RICHTER, Siegfried	PATH FOR A VEHICLE	(33) United States of America
(51) G05B 23/02	(73) VOLVO TRUCK CORPORATION	

(51) G06F 1/08	(51) G06F 1/20	(51) G06F 3/01
G06F 1/30	(11) EP3147749	A63F 13/211
(11) EP3446193	(21) EP16186536.5	A63F 13/212
(21) EP17719454.5	(47) 21.09.2022	A63F 13/213
(47) 21.09.2022	(22) 31.08.2016	A63F 13/22
(87) US2017027121	(54) PERIPHERAL DRIVE CENTRIFUGAL	G06F 1/16
26.10.2017	FAN	G06V 20/20
(22) 12.04.2017	(73) Apple Inc.	G06V 40/19
(54) SYSTEMS AND METHODS FOR	(72) PATTON, Brad L.	(11) EP3631567
ADAPTIVE CLOCK DESIGN	AIELLO, Anthony J.	(21) EP18810231.3
(73) QUALCOMM Incorporated	DYBENKO, Jesse T.	(47) 21.09.2022
(72) JAIN, Palkesh	(31) 201615183664	(87) US2018035190
BANSAL, Virendra	201562214125 P	06.12.2018
MEHROTRA, Manoj	(32) 15.06.2016	(22) 30.05.2018
BOWMAN, Keith Alan	03.09.2015	(54) EYE TRACKING CALIBRATION
(31) 201615133068	(33) United States of America	TECHNIQUES
(32) 19.04.2016	United States of America	(73) Magic Leap, Inc.
(33) United States of America	(51) G06F 1/26	(72) USCINSKI, Benjamin Joseph
(51) G06F 1/16	G01D 4/00	XU, Yan
(11) EP3657298	(11) EP3532911	STUART, Bradley Vincent
(21) EP19210351.3	(21) EP17864373.0	(31) 201762512954 P
(47) 21.09.2022	(47) 21.09.2022	(32) 31.05.2017
(22) 20.11.2019	(87) US2017058795	(33) United States of America
(54) DISPLAY DEVICE	03.05.2018	(51) G06F 3/01
(73) Samsung Display Co., Ltd.	(22) 27.10.2017	B64F 5/00
(72) Jeong, Gyeongho	(54) METHOD OF DISAGGREGATING AN	(11) EP3637230
(31) 20180143740	ENERGY USAGE SIGNAL OF A USAGE	(21) EP19202809.0
(32) 20.11.2018	AREA	(47) 21.09.2022
(33) Korea (Republic)	(73) Insight Energy Ventures, LLC	(22) 11.10.2019
(51) G06F 1/16	(72) CHILDERS, Dave	(54) AUGMENTED REALITY SYSTEM FOR
F16M 11/20	WEYANT, Rob	VISUALIZING NONCONFORMANCE
F16M 11/10	FOREMAN, Kevin, M.	DATA FOR AN OBJECT
F16M 11/24	TILCHEN, Matthew, P.	(73) The Boeing Company
F16M 11/38	(31) 201662414525 P	(72) SCOTT, Jeremiah Kent
(11) EP3443437	(32) 28.10.2016	BAKER, Robert Stephen Kanematsu
(21) EP17719447.9	(33) United States of America	BERETTA, Bryan James
(47) 21.09.2022	(51) G06F 1/3234	BERNARDONI, Michael Louis
(87) US2017027082	G06F 1/324	(31) 201816158579
19.10.2017	G06F 1/3296	(32) 12.10.2018
(22) 12.04.2017	G06F 1/3203	(33) United States of America
(54) DEVICE WITH A ROTATABLE DISPLAY	G06F 9/50	(51) G06F 3/01
(73) Microsoft Technology Licensing, LLC	(11) EP3770727	G01C 21/16
(72) PARK, Daniel C.	(21) EP20163071.2	G01S 5/26
HEWETT, Anthony J.	(47) 21.09.2022	G06F 3/0346
DEILY, Michael F.	(22) 13.03.2020	G06F 3/033
CASTILLO, Marlo E.	(54) TECHNOLOGY FOR MANAGING PER-	G02B 27/01
SRINIVASAN, Nishant	CORE PERFORMANCE STATES	G01S 5/18
(31) 201615099501	(73) INTEL Corporation	G01S 5/30
(32) 14.04.2016	(72) WEISSMANN, Eliezer	G01S 5/00
(33) United States of America	ABU-SALAH, Hisham	H04W 56/00
(51) G06F 1/16	ROSENZWEIG, Nir	G01S 11/16
G06F 21/83	ROTEM, Efraim	(11) EP3545690
(11) EP3304550	(31) 201916523009	(21) EP17874210.2
(21) EP16730276.9	(32) 26.07.2019	(47) 21.09.2022
(47) 21.09.2022	(33) United States of America	(87) US2017062624
(87) EP2016062375	(51) G06F 3/01	31.05.2018
08.12.2016	(11) EP3659011	(22) 20.11.2017
(22) 01.06.2016	(21) EP17748705.5	(54) THREE DIMENSIONAL OBJECT-
(54) CONVEYING ENCRYPTED DATA TO A	(47) 21.09.2022	LOCALIZATION AND TRACKING USING
COMMUNICATION DEVICE	(87) EP2017068975	ULTRASONIC PULSES
(73) Nagravision Sàrl	31.01.2019	(73) InvenSense, Inc.
(72) FOURNIER, Jean-Claude	(22) 27.07.2017	(72) PRZYBYLA, Richard J.
BENOIT, Bernard	(54) IMPROVED PERCEPTION OF HAPTIC	HORSLEY, David A.
WENDLING, Bertrand	OBJECTS	KLINE, Mitchell H.
KUDELSKI, André	(73) Telefonaktiebolaget LM Ericsson (PUBL)	(31) 201615360673
(31) 201514727661	(72) ARAÚJO, José	(32) 23.11.2016
(32) 01.06.2015	GUSTAFSSON, Harald	(33) United States of America
(33) United States of America	PERSSON, Per	(51) G06F 3/01

G06F 3/033	(54) METHOD FOR CONTROLLING A	(47) 21.09.2022
G06F 3/14	POSITION AND/OR A MOVEMENT OF	(87) US2016035583
G06F 3/0488	A TARGET CURSOR	08.12.2016
G06F 3/0484	(73) Bigben Interactive SA	(22) 02.06.2016
G06F 3/0485	(72) FALC, Alain	(54) CHANGING COMPANION
G06F 3/041	ALLAERT, Yannick	COMMUNICATION DEVICE BEHAVIOR
G06F 3/04883	CHATRIER, Norman	BASED ON STATUS OF WEARABLE
G06F 3/04845	DUDOYER, Stephen	DEVICE
(11) EP2993555	(31) 1651117	(73) Apple Inc.
(21) EP14791692.8	(32) 11.02.2016	(72) WATSON, Robert D.
(47) 21.09.2022	(33) France	SHAW, David John
(87) KR2014003712	(51) G06F 3/0481	CHAWAN, Arun Dhyaneswar
06.11.2014	G06F 3/04842	GILLETTE, Matthew
(22) 28.04.2014	G06F 3/04883	GANAPATHI BATTU, Ganesha
(54) SCREEN OPERATION METHOD FOR	(11) EP3207445	Adkasthanala
ELECTRONIC DEVICE BASED ON	(21) EP15850054.6	MOORE, Jeffrey Chandler
ELECTRONIC DEVICE AND CONTROL	(47) 21.09.2022	BERNHARD, Patrick Ian
ACTION	(87) KR2015010918	CHANG, Baek San
(73) Samsung Electronics Co., Ltd.	21.04.2016	COFFMAN, Patrick Lee
(72) YANG, Ho	(22) 15.10.2015	BENNETT, Jonathan Anderson
KIM, Kyeong Yeon	(54) METHOD AND APPARATUS FOR	GUETTA, Anthony
(31) 20130049932	PROVIDING A USER INTERFACE	MINOO, Jahan Christian
(32) 03.05.2013	(73) Samsung Electronics Co., Ltd	RAUENBUEHLER, Keith Walter
(33) Korea (Republic)	(72) HONG, Dohy	(31) 201562171338 P
(51) G06F 3/01	CHEUN, Kyungwhoon	(32) 05.06.2015
G06F 3/0481	OH, Jisung	(33) United States of America
(11) EP3776148	LEE, Kiseok	(51) G06F 8/30
(21) EP19727287.5	CHOI, Dongjoo	G06F 9/54
(47) 21.09.2022	(31) 20150003681	G06N 3/04
(87) EP2019056343	20140179749	G06N 3/08
10.10.2019	20140139288	(11) EP3766015
(22) 13.03.2019	(32) 09.01.2015	(21) EP19712379.7
(54) METHOD FOR INSERTING A VIRTUAL	12.12.2014	(47) 21.09.2022
OBJECT	15.10.2014	(87) US2019020853
(73) Peterseil, Thomas	(33) Korea (Republic)	19.09.2019
(72) KRAUSS, Oliver	Korea (Republic)	(22) 05.03.2019
PETERSEIL, Thomas	Korea (Republic)	(54) NATURAL LANGUAGE TO API
(31) 502692018	(51) G06F 3/0488	CONVERSION
(32) 04.04.2018	G06K 9/00	(73) Microsoft Technology Licensing, LLC
(33) Austria	G06F 3/04883	(72) AWADALLAH, Ahmed Hassan
(51) G06F 3/044	G06F 40/171	WANG, Miaosen
(11) EP2871558	G06V 10/26	WHITE, Ryen
(21) EP14189202.6	G06V 30/142	SU, Yu
(47) 21.09.2022	G06V 30/32	(31) 201815919209
(22) 16.10.2014	(11) EP3400521	(32) 13.03.2018
(54) Touch window and touch device including	(21) EP17701416.4	(33) United States of America
the same	(47) 21.09.2022	(51) G06F 8/38
(73) LG Innotek Co., Ltd.	(87) EP2017000020	(11) EP3017364
(72) Lee, Jae Hong	13.07.2017	(21) EP14819710.6
Koo, Chan Kyu	(22) 09.01.2017	(47) 21.09.2022
Kim, Hyun Soo	(54) SYSTEM AND METHOD FOR DIGITAL	(87) CA2014000530
Shin, Jun Sik	INK INTERACTIVITY	08.01.2015
Yang, Joon Hyuk	(73) MyScript	(22) 30.06.2014
(31) 20130124249	(72) GUIAVARC'H, Jean-Nicolas	(54) SYSTEM AND METHOD FOR
(32) 17.10.2013	GUYETANT, Stéphane	STREAMLINING USER INTERFACE
(33) Korea (Republic)	LEMARIÉ, Gildas	DEVELOPMENT
(51) G06F 3/0481	CHATEIGNER, Alain	(73) WarnerMedia Direct, LLC
G06F 3/0338	(31) 201615083195	(72) EMMONS, Andrew T.
G05G 9/047	16290002	(31) 201313933351
A63F 13/00	(32) 28.03.2016	(32) 02.07.2013
(11) EP3414649	07.01.2016	(33) United States of America
(21) EP17704736.2	(33) United States of America	(51) G06F 8/60
(47) 21.09.2022	European Patent Office (EPO)	G06F 8/41
(87) EP2017052939	(51) G06F 3/16	G06F 16/21
17.08.2017	H04R 1/10	G06F 16/23
(22) 09.02.2017	H04R 29/00	(11) EP3321798
	(11) EP3304951	(21) EP17001840.2
	(21) EP16804471.7	(47) 21.09.2022

(22) 09.11.2017	(22) 02.08.2016	(51) G06F 9/50
(54) DATABASE OBJECT DELIVERY INFRASTRUCTURE	(54) AUTO-CALIBRATING LIGHT SENSOR DATA OF A MOBILE DEVICE	(11) EP3452907
(73) SAP SE	(73) Qualcomm Incorporated	(21) EP17723568.6
(72) Mayer, Martin	(72) MAZUELAS, Santiago	(47) 21.09.2022
Auer, Ulrich	SWAMINATHAN, Ashwin	(87) US2017029545
Harren, Arne	ZAPPI, Piero	09.11.2017
Driesen, Volker	AKULA, Muralidhar Reddy	(22) 26.04.2017
(31) 201615349767	BISAIN, Abhijeet	(54) CONTROL OF APPLICATIONS THAT USE SYSTEM RESOURCES
(32) 11.11.2016	SRIVASTAVA, Aditya Narain	(73) Microsoft Technology Licensing, LLC
(33) United States of America	SHESHADRI, Suhas Hariharapura	(72) LEHNER, Randall Allen
(51) G06F 9/312	(31) 201514843790	SHETTY, Preetam Nithyanand
G06F 9/38	(32) 02.09.2015	SAMER, Robert Michael
G06F 13/26	(33) United States of America	(31) 201615145000
(11) EP3543846	(51) G06F 9/455	(32) 03.05.2016
(21) EP16923911.8	(11) EP3622394	(33) United States of America
(47) 21.09.2022	(21) EP18726261.3	(51) G06F 9/50
(87) CN2016109518	(47) 21.09.2022	G06F 16/13
21.06.2018	(87) US2018028732	G06F 16/17
(22) 12.12.2016	15.11.2018	G06F 16/2458
(54) COMPUTER SYSTEM AND MEMORY ACCESS TECHNOLOGY	(22) 21.04.2018	G06F 16/25
(73) Huawei Technologies Co., Ltd.	(54) INTELLIGENT CLOUD MANAGEMENT BASED ON PROFILE	G06F 16/901
(72) FANG, Lei	(73) Microsoft Technology Licensing, LLC	G06F 16/28
CHEN, Xi	(72) ZOU, Miao	(11) EP3132348
CAI, Weiguang	XU, Tianjing	(21) EP15719559.5
(51) G06F 9/38	LIU, Shanshan	(47) 21.09.2022
(11) EP3446207	LIU, Hao	(87) US2015026088
(21) EP17733117.0	ZHOU, Jian	22.10.2015
(47) 21.09.2022	WANG, Yucao	(22) 16.04.2015
(87) US2017027842	ZHANG, Lei	(54) PROCESSING DATA FROM MULTIPLE SOURCES
26.10.2017	GUO, Ao	(73) AB Initio Technology LLC
(22) 17.04.2017	LIU, David	(72) SCHECHTER, Ian
(54) PROCESSOR WITH INSTRUCTION LOOKAHEAD ISSUE LOGIC	LIU, Danmeng	WAKELING, Tim
(73) Microsoft Technology Licensing, LLC	(31) 201710335366	WOLLRATH, Ann M.
(72) SMITH, Burton J.	(32) 12.05.2017	(31) 201414255579
(31) 201615136123	(33) China	(32) 17.04.2014
(32) 22.04.2016	(51) G06F 9/455	(33) United States of America
(33) United States of America	G06F 9/448	(51) G06F 9/52
(51) G06F 9/44	(11) EP3637255	G06F 9/54
G05B 13/02	(21) EP19210044.4	(11) EP3827342
(11) EP3525050	(47) 21.09.2022	(21) EP19766361.0
(21) EP19153018.7	(22) 26.09.2016	(47) 21.09.2022
(47) 21.09.2022	(54) PERFORMANCE OPTIMIZATIONS FOR EMULATORS	(87) IB2019056334
(22) 22.01.2019	(73) Microsoft Technology Licensing, LLC	30.01.2020
(54) STATE MACHINE FOR MULTIPLE INPUT-MULTIPLE OUTPUT HARVESTER CONTROL	(72) TZEN, Ten H.	(22) 24.07.2019
(73) Deere & Company	KISHAN, Arun U.	(54) METHOD OF CORRECTING DATA BETWEEN TWO PERIODIC PROCESSES AND AUTOMATED SYSTEM CARRYING OUT SAID PROCESS
(72) GILMORE, Brian J	(31) 201514873100	(73) NEXTER Systems
READEL, Paul	(32) 01.10.2015	(72) HOSLIN, Dominique
PALLA, Bhanu Kiran	(33) United States of America	(31) 1800818
HUNT, Timothy	(51) G06F 9/48	(32) 26.07.2018
BOLLIN, Douglas	G06F 21/52	(33) France
HAGEMAN, John M	G06F 21/62	(51) G06F 9/54
BRUNS, Aaron	(11) EP3502949	G06F 9/445
(31) 201815877655	(21) EP18213869.3	H04L 67/55
(32) 23.01.2018	(47) 21.09.2022	H04L 67/125
(33) United States of America	(22) 19.12.2018	(11) EP3516846
(51) G06F 9/4401	(54) METHOD AND SYSTEM FOR CONTROLLING THE SCHEDULING OF SOFTWARE TASKS	(21) EP17772550.4
H04M 1/22	(73) Thales	(47) 21.09.2022
H04M 1/72454	(72) MACE, Gaël	(87) US2017051236
(11) EP3345089	MAUSSION, Antoine	22.03.2018
(21) EP16759895.2	VASLIN, Romain	(22) 13.09.2017
(47) 21.09.2022	(31) 1701331	(54) APPLICATION DATA SHARING AND DECISION SERVICE PLATFORM
(87) US2016045105	(32) 20.12.2017	
09.03.2017	(33) France	

(73) Microsoft Technology Licensing, LLC	(33) United States of America	(22) 13.12.2017
(72) MOWATT, David	(51) G06F 11/36	(54) RPC CONVERSION PROCESS SYSTEM AND RPC CONVERSION METHOD
O'DRISCOLL, Stephen	G06F 11/267	(73) Nippon Telegraph and Telephone Corporation
(31) 201615268912	G06F 11/273	(72) FUJINO, Tomoyuki
(32) 19.09.2016	G06F 11/22	OSHIMA, Yuji
(33) United States of America	G01R 31/3185	KASHIWAGI, Keiichiro
(51) G06F 11/00	(11) EP3762830	ISHII, Hisaharu
G06F 21/60	(21) EP19717669.6	YOSHIDA, Yui
G06F 21/55	(47) 21.09.2022	(31) 2016249752
G06Q 20/12	(87) US2019025146	(32) 22.12.2016
G06Q 20/38	10.10.2019	(33) Japan
G06Q 20/40	(22) 01.04.2019	(51) G06F 13/14
H04L 9/08	(54) DEBUG CONTROLLER CIRCUIT	G06F 3/06
H04L 9/32	(73) Xilinx, Inc.	G06F 13/38
(11) EP3571592	(72) ANSARI, Ahmad, R.	(11) EP3164803
(21) EP18741263.0	BURTON, Felix	(21) EP14896552.8
(47) 21.09.2022	CHEN, Ming-Dong	(47) 21.09.2022
(87) US2018014361	(31) 201815944137	(87) US2014044981
26.07.2018	(32) 03.04.2018	07.01.2016
(22) 19.01.2018	(33) United States of America	(22) 01.07.2014
(54) CRYPTOGRAPHY BASED FRAUD TRACKING	(51) G06F 12/00	(54) DATA STORAGE SYSTEMS, METHODS FOR CONTROLLING A DATA STORAGE SYSTEM
(73) eBay, Inc.	G06F 3/06	(73) Razer (Asia-Pacific) Pte. Ltd.
(72) CHAN, Michael J.T.	G06F 12/02	(72) WILSON, John, Alexander
FIRKE, Nikhil	(11) EP3059678	(51) G06F 13/16
PALMER, Todd Ryan	(21) EP14851428.4	G06F 1/32
DICKSON, Brian Peter	(47) 21.09.2022	G06F 12/02
SORIANO, Julien	(87) KR2014009849	G06F 12/10
FORSYTHE, Ralph	23.04.2015	G06F 12/0862
(31) 201715410139	(22) 20.10.2014	G06F 7/08
(32) 19.01.2017	(54) METHOD AND APPARATUS FOR COMPRESSING MEMORY OF ELECTRONIC DEVICE	G06F 11/10
(33) United States of America	(73) Samsung Electronics Co., Ltd.	(11) EP3827355
(51) G06F 11/16	(72) KANG, Byoungik	(21) EP19856218.3
(11) EP3273352	PARK, Jinyoung	(47) 21.09.2022
(21) EP17182060.8	SHIN, Heesub	(87) US2019044362
(47) 21.09.2022	LEE, Seungwook	05.03.2020
(22) 19.07.2017	(31) 20130128848	(22) 31.07.2019
(54) COMPUTERIZED SYSTEM	20130124885	(54) FORWARD CACHING APPLICATION PROGRAMMING INTERFACE SYSTEMS AND METHODS
(73) Supercomputing Systems AG	(32) 28.10.2013	(73) Micron Technology, Inc.
(72) Gunzinger, Anton	18.10.2013	(72) TROUT, Harold Robert George
Dorigatti, Martin	(33) Korea (Republic)	(31) 201916428168
Beyeler, David	Korea (Republic)	201862725002 P
Stadelmann, Philipp	(51) G06F 12/084	(32) 31.05.2019
Huber, Richard	G06F 12/0895	30.08.2018
(31) 9462016	(11) EP3296880	(33) United States of America
(32) 21.07.2016	(21) EP15893701.1	United States of America
(33) Switzerland	(47) 21.09.2022	(51) G06F 13/16
(51) G06F 11/30	(87) CN2015080609	G06F 3/06
G06F 11/34	08.12.2016	G06F 11/10
H04W 24/00	(22) 02.06.2015	(11) EP3149599
G06F 11/32	(54) ACCESS SYSTEM AND METHOD FOR DATA STORAGE	(21) EP15803606.1
(11) EP3044681	(73) Huawei Technologies Co. Ltd.	(47) 21.09.2022
(21) EP14843613.2	(72) SONG, Fenglong	(87) US2015033572
(47) 21.09.2022	ZHANG, Guangfei	10.12.2015
(87) US2014055429	WANG, Tao	(22) 01.06.2015
19.03.2015	(51) G06F 13/00	(54) SYSTEMS AND METHODS FOR THROTTLING PACKET TRANSMISSION IN A SCALABLE MEMORY SYSTEM PROTOCOL
(22) 12.09.2014	G06F 9/54	(73) Micron Technology, Inc.
(54) SYSTEMS AND METHODS FOR COLLECTING, TRACKING, AND STORING SYSTEM PERFORMANCE AND EVENT DATA FOR COMPUTING DEVICES	H04L 67/133	(72) PAWLOWSKI, J. Thomas
(73) Assurant, Inc.	H04L 69/08	(31) 201514724510
(72) BREWER, Dustin	G06F 8/30	
SAUNDERS, Stuart	H04L 67/12	
HURST, Cameron	(11) EP3561680	
(31) 201314026965	(21) EP17882884.4	
(32) 13.09.2013	(47) 21.09.2022	
	(87) JP2017044727	
	28.06.2018	

201462006668 P	(33) United States of America	PROCESSING SYSTEM, AND METHOD
(32) 28.05.2015	United States of America	OF PROCESSING INFORMATION
02.06.2014	(51) G06F 16/951	(73) Ricoh Company, Ltd.
(33) United States of America	H04L 41/0813	(72) UCHIBORI, Hiroki
United States of America	H04L 41/0895	(31) 2017242180
(51) G06F 13/16	G06F 9/50	(32) 18.12.2017
G06F 9/30	G06F 9/54	(33) Japan
G11C 16/26	G06F 9/4401	(51) G06F 21/30
G11C 16/30	G06F 9/48	G06F 21/31
G11C 8/12	H04W 24/02	G06F 21/64
G11C 11/56	(11) EP3095032	H04L 41/28
G11C 16/08	(21) EP14700890.8	G06F 21/62
G11C 13/00	(47) 21.09.2022	H04L 9/32
G11C 16/04	(87) EP2014050910	H04L 9/40
(11) EP3371709	23.07.2015	G06F 9/54
(21) EP16862754.5	(22) 17.01.2014	G06F 9/455
(47) 21.09.2022	(54) CONTROLLING OF COMMUNICATION	H04L 9/08
(87) US2016059484	NETWORK COMPRISING	(11) EP3782061
11.05.2017	VIRTUALIZED NETWORK FUNCTIONS	(21) EP19718881.6
(22) 28.10.2016	(73) Nokia Solutions and Networks GmbH &	(47) 21.09.2022
(54) APPARATUSES AND METHODS	Co. KG	(87) US2019025919
FOR CONCURRENTLY ACCESSING	(72) HOFFMANN, Klaus	24.10.2019
MULTIPLE MEMORY PLANES OF	(51) G06F 16/955	(22) 05.04.2019
A MEMORY DURING A MEMORY	(11) EP3616080	(54) SYSTEM AND METHOD TO
ACCESS OPERATION	(21) EP19704479.5	SECURELY EXECUTE DATACENTER
(73) Micron Technology, Inc.	(47) 21.09.2022	MANAGEMENT OPERATIONS
(72) RAJWADE, Shantanu R.	(87) US2019013657	REMOTELY
KALAVADE, Pranav	25.07.2019	(73) Microsoft Technology Licensing, LLC
TANZAWA, Toru	(22) 15.01.2019	(72) AHUJA, Vikas
(31) 201514933874	(54) SYSTEMS, METHODS, AND	HENDRICKSON, Joel T.
(32) 05.11.2015	APPARATUSES FOR PROVIDING	ZHANG, Xiaoting
(33) United States of America	ASSISTANT DEEP LINKS TO	ZENG, Yi
(51) G06F 15/173	EFFECTUATE THIRD-PARTY DIALOG	(31) 201815957470
H04W 36/00	SESSION TRANSFERS	(32) 19.04.2018
H04W 4/24	(73) Google LLC	(33) United States of America
H04M 15/00	(72) LEWIS, Justin	(51) G06F 21/32
H04L 12/14	DAVIES, Scott	G06F 21/34
G06F 9/48	(31) 201862617796 P	(11) EP3837623
H04L 65/40	(32) 16.01.2018	(21) EP18783357.9
(11) EP3405877	(33) United States of America	(47) 21.09.2022
(21) EP16886739.8	(51) G06F 21/10	(87) DE2018100712
(47) 21.09.2022	(11) EP3864538	20.02.2020
(87) US2016014442	(21) EP19791404.7	(22) 15.08.2018
27.07.2017	(47) 21.09.2022	(54) METHOD FOR CAPTURING AND
(22) 22.01.2016	(87) US2019054664	SUBSEQUENTLY GENERATING DATA
(54) APPLICATION RELOCATION	16.04.2020	FOR A USER OF A SELF-SERVICE
BETWEEN CLOUDS	(22) 04.10.2019	TERMINAL
(73) Nokia Solutions and Networks Oy	(54) PRESENTING CONTENT PROTECTED	(73) Scheld, Daniel
(72) CHANDRAMOULI, Devaki	BY MULTIPLE DRMS	(72) Scheld, Daniel
LIEBHART, Rainer	(73) Microsoft Technology Licensing, LLC	(51) G06F 21/32
(51) G06F 16/2452	(72) WENKER, Samuel John	H04W 12/06
G06F 16/2453	SIMMONS, John Carl	H04W 12/08
(11) EP2959384	JENKS, Andrew Lee	H04L 9/40
(21) EP14753812.8	(31) 201816209665	G06F 1/26
(47) 21.09.2022	201862745146 P	G06F 1/16
(87) US2014016596	(32) 04.12.2018	(11) EP3608808
28.08.2014	12.10.2018	(21) EP17906864.8
(22) 14.02.2014	(33) United States of America	(47) 21.09.2022
(54) DATA ANALYTICS PLATFORM	United States of America	(87) CN2017082553
OVER PARALLEL DATABASES AND	(51) G06F 21/10	01.11.2018
DISTRIBUTED FILE SYSTEMS	H04N 1/00	(22) 28.04.2017
(73) EMC Corporation	(11) EP3499395	(54) FINGERPRINT IDENTIFICATION-
(72) WELTON, Caleb, E.	(21) EP18211719.2	BASED BOOT METHOD AND
YANG, Shengwen	(47) 21.09.2022	APPARATUS
(31) 201313840912	(22) 11.12.2018	(73) Huawei Technologies Co., Ltd.
201361769043 P	(54) INFORMATION PROCESSING	(72) WU, Chenglin
(32) 15.03.2013	APPARATUS, INFORMATION	CHEN, Juntao
25.02.2013		SHANG, Feipeng

(51) G06F 21/55 G06Q 20/40 G06Q 40/08 H04L 9/40	(51) G06F 21/57 G06F 21/71 G06F 21/77 G06F 21/60	15.06.2018 22.02.2018
(11) EP3123389	(11) EP3241143	(33) United States of America
(21) EP14712326.9	(21) EP15813373.6	United States of America
(47) 21.09.2022	(47) 21.09.2022	United States of America
(87) EP2014056099 01.10.2015	(87) EP2015080104 07.07.2016	(51) G06F 30/17
(22) 26.03.2014	(22) 16.12.2015	G06F 30/20
(54) SYSTEM FOR THE MEASUREMENT AND AUTOMATED ACCUMULATION OF DIVERGING CYBER RISKS, AND CORRESPONDING METHOD THEREOF	(54) SECURE ELEMENT	G06F 113/14
(73) Swiss Reinsurance Company Ltd.	(73) Thales Dis France SAS	G21D 1/00
(72) RENOUIL, Gilles WESEMANN, Daniel SCHAUER, Christian BUSENHART, Jürg	(72) RHEIMI, Alain (31) 14307208 (32) 30.12.2014 (33) European Patent Office (EPO)	(11) EP3467688
(51) G06F 21/55 H04L 9/40	(51) G06F 21/62	(21) EP17806054.7
(11) EP3637294	(11) EP3701668	(47) 21.09.2022
(21) EP19202330.7	(21) EP18786827.8	(87) JP2017001188 07.12.2017
(47) 21.09.2022	(47) 21.09.2022	(22) 16.01.2017
(22) 09.10.2019	(87) EP2018079064 02.05.2019	(54) CONTACT FORCE EVALUATION METHOD
(54) METHODS AND SYSTEMS FOR HONEYFILE CREATION, DEPLOYMENT AND MANAGEMENT	(22) 23.10.2018	(73) Mitsubishi Heavy Industries, Ltd.
(73) Penten Pty Ltd	(54) METHODS FOR RECORDING AND SHARING A DIGITAL IDENTITY OF A USER USING DISTRIBUTED LEDGERS	(72) IWASAKI, Makoto HIROTA, Kazuo NISHIDA, Shingo ARIKAWA, Tetsuya KAWAKAMI, Ryoichi KATAYAMA, Masaaki NARIAI, Toshifumi YAMAMOTO, Kohei
(72) WHITHAM, Ben LIEBOWITZ, David	(73) Thales Dis France SAS	(31) 2016107710
(31) 2018247212	(72) CASTILLO, Laurent WANG, Yesong AUNG, Khaing Phyo LAO, Vincent	(32) 30.05.2016
(32) 09.10.2018	(31) 17306480	(33) Japan
(33) Australia	(32) 26.10.2017	(51) G06K 19/077
(51) G06F 21/55 H04W 12/12	(33) European Patent Office (EPO)	(11) EP3207506
(11) EP3729313	(51) G06F 21/62	(21) EP15778873.8
(21) EP18830343.2	H04L 9/32	(47) 21.09.2022
(47) 21.09.2022	G06F 21/53	(87) EP2015002009 21.04.2016
(87) US2018064448 27.06.2019	(11) EP3610606	(22) 09.10.2015
(22) 07.12.2018	(21) EP19732213.4	(54) CARD BODY FOR A DATA CARRIER AND INLAY FOR A PARTIAL CARD BODY
(54) AUTOMATICALLY DETECTING AUTHORIZED REMOTE ADMINISTRATION SESSIONS IN A NETWORK MONITORING SYSTEM	(47) 21.09.2022	(73) Giesecke+Devrient Mobile Security GmbH
(73) Cisco Technology, Inc.	(87) CN2019080493 27.06.2019	(72) KLUGE, Stefan
(72) MCGREW, David REHAK, Martin ANDERSON, Blake, Harrell AMIN, Sunil	(22) 29.03.2019	(31) 102015012616 102014015279
(31) 201715848101	(54) MANAGING SENSITIVE DATA ELEMENTS IN A BLOCKCHAIN NETWORK	(32) 28.09.2015
(32) 20.12.2017	(73) Advanced New Technologies Co., Ltd.	16.10.2014
(33) United States of America	(72) FENG, Zhiyuan LI, Yanpeng CHENG, Long	(33) Germany Germany
(51) G06F 21/56	(51) G06F 21/62	(51) G06K 19/077
(11) EP3783516	H04L 9/40	B23G 5/00
(21) EP20201760.4	(11) EP3756124	B23C 1/00
(47) 21.09.2022	(21) EP19710208.0	G05B 19/12
(22) 28.03.2019	(47) 21.09.2022	(11) EP3378015
(54) SECURELY AND EFFICIENTLY PROVIDING USER NOTIFICATIONS ABOUT SECURITY ACTIONS	(87) US2019019087 29.08.2019	(21) EP16798450.9
(73) CrowdStrike, Inc.	(22) 22.02.2019	(47) 21.09.2022
(72) IONESCU, Ion-Alexandru	(54) DATA-DEFINED ARCHITECTURE FOR NETWORK DATA MANAGEMENT	(87) EP2016077664 26.05.2017
(31) 201815951025	(73) Helios Data Inc.	(22) 15.11.2016
(32) 11.04.2018	(72) ZOU, Fei	(54) TOOL WITH RFID-TAG AND METHOD FOR FIXING AN RFID-TAG TO A TOOL
(33) United States of America	(31) 201916282144 201962794676 P 201862685375 P 201862633834 P	(73) Bilz Werkzeugfabrik GmbH & Co. KG
	(32) 21.02.2019	(72) FRONIUS, Juergen
	20.01.2019	(31) 102015120153
		(32) 20.11.2015
		(33) Germany
		(51) G06N 5/00
		G05B 13/02

(11) EP3935580	(54) RETENTION AND ACCESSIBILITY OF DATA CHARACTERIZING EVENTS ON AN ENDPOINT COMPUTER	(51) G06Q 20/40
(21) EP19795689.9		G06Q 20/30
(47) 21.09.2022		G06Q 20/32
(87) JP2019039728	(73) Cylance Inc.	G06Q 20/38
10.09.2020	(72) PERMEH, Ryan	G06Q 20/34
(22) 02.10.2019	WOLFF, Matthew	(11) EP3457344
(54) APPARATUS AND METHOD FOR CONTROLLING OPERATION OF MACHINE SUBJECT, AND STORAGE MEDIUM	OSWALD, Samuel John	(21) EP17795359.3
	ZHAO, Xuan	(47) 21.09.2022
(73) Mitsubishi Electric Corporation	CULLEY, Mark	(87) CN2017079867
(72) CHAKRABARTY, Ankush	POLSON, Steve	16.11.2017
QUIRYNEN, Rien	(31) 201615356029	(22) 10.04.2017
DANIELSON, Claus	201615354966	(54) PAYMENT AUTHENTICATION METHOD, APPARATUS AND SYSTEM FOR ONBOARD TERMINAL
GAO, Weinan	201662300621 P	(73) Alibaba Group Holding Limited
(31) 201916293818	(32) 18.11.2016	(72) FANG, Qiang
(32) 06.03.2019	17.11.2016	DUAN, Chao
(33) United States of America	26.02.2016	(31) 201610302680
(51) G06N 7/00	(33) United States of America	(32) 09.05.2016
G10L 17/18	United States of America	(33) China
G10L 17/02	(51) G06Q 10/08	
G10L 25/30	A23G 9/04	(51) G06Q 50/10
G10L 25/24	G06Q 50/28	H04N 21/262
G06N 3/04	(11) EP3540665	(11) EP3420479
G06N 3/08	(21) EP19161829.7	(21) EP17757168.4
(11) EP3719798	(47) 21.09.2022	(47) 21.09.2022
(21) EP19750725.4	(22) 11.03.2019	(87) US2017019019
(47) 21.09.2022	(54) MACHINE FOR MAKING LIQUID OR SEMI-LIQUID FOOD PRODUCTS AND PRODUCTION SYSTEM COMPRISING THE MACHINE	31.08.2017
(87) CN2019073101		(22) 23.02.2017
15.08.2019	(73) Ali Group S.r.l. - Carpigiani	(54) DIGITAL MEDIA CONTENT COMPARATOR
(22) 25.01.2019	(72) COCCHI, Andrea	(73) Sazan, David
(54) VOICEPRINT RECOGNITION METHOD AND DEVICE BASED ON MEMORABILITY BOTTLENECK FEATURE	LAZZARINI, Roberto	(72) Sazan, David
	(31) 201800003504	(31) 201615051732
(73) Advanced New Technologies Co., Ltd.	(32) 13.03.2018	(32) 24.02.2016
(72) WANG, Zhiming	(33) Italy	(33) United States of America
ZHOU, Jun	(51) G06Q 20/32	
LI, Xiaolong	G06K 19/07	(51) G06Q 50/26
(31) 201810146310	G06Q 20/04	G06F 21/12
(32) 12.02.2018	G06Q 20/10	G06F 21/51
(33) China	G06Q 20/34	G06F 8/71
(51) G06N 10/20	G06K 19/077	(11) EP3318997
G06N 10/80	G07F 7/08	(21) EP16197237.7
G06F 30/33	(11) EP3284025	(47) 21.09.2022
G06N 10/40	(21) EP16780700.7	(22) 04.11.2016
(11) EP3682383	(47) 21.09.2022	(54) METHOD FOR ENFORCING AN AUTHORIZATION, METHOD FOR EVALUATION OF AN AUTHORIZATION, USE OF A COMPONENT FRAMEWORK FOR CONTROLLING A SAFETY CRITICAL PROCESS AND COMPUTER PROGRAM PRODUCT
(21) EP17829097.9	(87) US2016027415	(73) Thales Management & Services
(47) 21.09.2022	20.10.2016	Deutschland GmbH
(87) US2017067083	(22) 14.04.2016	(72) LE MAGUET, Pierre
25.04.2019	(54) A SYSTEM, METHOD, AND APPARATUS FOR A DYNAMIC TRANSACTION CARD	SCHROTH, Albrecht
(22) 18.12.2017		
(54) SIMULATION OF QUANTUM CIRCUITS	(73) Capital One Services, LLC	(51) G06T 5/00
(73) Google LLC	(72) ZARAKAS, James	H04N 5/235
(72) CASTRILLO, Sergio Boixo	MARKSON, Theodore	G06V 10/141
SMELYANSKIY, Vadim	KOEPPEL, Adam	G06V 10/25
(31) 201762574050 P	KELLY, Kevin	G06V 20/56
(32) 18.10.2017	BRIGGMAN, Brian	G06V 10/10
(33) United States of America	SANGI, Saleem	G06V 10/24
(51) G06N 20/00	WURMFELD, David	(11) EP3367303
G06F 21/55	LOCKE, Tyler	(21) EP18158136.4
G06F 21/64	ESCALANTE, Karla	(47) 21.09.2022
(11) EP3420488	(31) 201562270669 P	(22) 22.02.2018
(21) EP17709546.0	201562147568 P	(54) AUTONOMOUS DRIVING IMAGE PROCESSING METHOD AND APPARATUS THEREOF
(47) 21.09.2022	(32) 22.12.2015	
(87) US2017019142	14.04.2015	
31.08.2017	(33) United States of America	
(22) 23.02.2017	United States of America	

(73) Samsung Electronics Co., Ltd.	(72) Fenney, Simon	(33) Japan
(72) SEO, Youngwan	(31) 201122022	(51) G07C 5/08
JEON, Paul Barom	(32) 20.12.2011	G07C 5/00
CHO, Baek Hwan	(33) United Kingdom	H04M 1/725
(31) 20170024824	(51) G06T 15/00	H04M 1/60
(32) 24.02.2017	G06T 15/06	G06Q 10/08
(33) Korea (Republic)	(11) EP3824441	G06Q 40/08
(51) G06T 5/00	(21) EP19739464.6	(11) EP3255613
H04N 19/186	(47) 21.09.2022	(21) EP17165104.5
G06T 11/40	(87) US2019037825	(47) 21.09.2022
H04N 19/70	23.01.2020	(22) 15.12.2011
H04N 19/85	(22) 19.06.2019	(54) METHOD AND SYSTEM FOR
(11) EP3394828	(54) TECHNIQUES FOR DISPLAYING A	LOGGING VEHICLE BEHAVIOUR
(21) EP16885214.3	SHADER TABLE ASSOCIATED WITH	(73) Auto Telematics Ltd
(47) 21.09.2022	RAYTRACING IMAGES	(72) WRIGHT, Andrew William
(87) KR2016010852	(73) Microsoft Technology Licensing, LLC	SWITALSKI, Gillian
20.07.2017	(72) KINROSS, Austin Neil	(31) 201118777
(22) 28.09.2016	PATEL, Amar	201109759
(54) TONE MASTERING SYSTEM WITH	(31) 201816213746	201101259
CREATIVE INTENT METADATA	201862700695 P	201021292
(73) Samsung Electronics Co., Ltd.	(32) 07.12.2018	(32) 31.10.2011
(72) TAO, Li	19.07.2018	10.06.2011
KIM, Yeong-Taeg	(33) United States of America	25.01.2011
(31) 201614993944	United States of America	15.12.2010
(32) 12.01.2016	(51) G06T 17/20	(33) United Kingdom
(33) United States of America	G06F 17/00	United Kingdom
(51) G06T 7/33	(11) EP2798544	United Kingdom
(11) EP3655924	(21) EP12862026.7	United Kingdom
(21) EP18756322.6	(47) 21.09.2022	(51) G07C 9/00
(47) 21.09.2022	(87) US2012065201	(11) EP3349187
(87) US2018043787	04.07.2013	(21) EP17151285.8
31.01.2019	(22) 15.11.2012	(47) 21.09.2022
(22) 25.07.2018	(54) METHOD AND SYSTEM FOR	(22) 12.01.2017
(54) METHOD AND APPARATUS	GENERATING A MULTI-DIMENSIONAL	(54) METHOD FOR PROVIDING AT LEAST
TO GENERATE AND TRACK	SURFACE MODEL OF A GEOMETRIC	ONE DRIVE PARAMETER OF AT
STANDARDIZED ANATOMICAL	STRUCTURE	LEAST ONE DOOR SYSTEM
REGIONS AUTOMATICALLY	(73) St. Jude Medical Atrial Fibrillation	(73) dormakaba Deutschland GmbH
(73) Canfield Scientific, Incorporated	Division Inc.	(72) WULBRANDT, Tim
(72) BISKER, Oleg	(72) CARBONERA, Carlos	WEGNER, Frank
(31) 201762537420 P	VYLKOV, Vasily	(51) G07C 13/00
(32) 26.07.2017	STARKS, Daniel R.	H04L 9/32
(33) United States of America	QIAN, Jiang	H04L 9/00
(51) G06T 7/70	VOTH, Eric, J.	(11) EP2509050
(11) EP3698324	(31) 201113338374	(21) EP10834256.9
(21) EP17797535.6	201113338381	(47) 21.09.2022
(47) 21.09.2022	(32) 28.12.2011	(87) ES2010000490
(87) EP2017076883	28.12.2011	09.06.2011
25.04.2019	(33) United States of America	(22) 01.12.2010
(22) 20.10.2017	United States of America	(54) METHOD FOR VERIFYING THE
(54) METHOD AND SYSTEM FOR	(51) G06V 10/24	CORRECT REGISTRATION OF AN
PROCESSING AN IMAGE AND	G06V 10/422	ITEM OF INFORMATION
DETERMINING VIEWPOINTS OF	G06V 20/00	(73) SCYTL ELECTION TECHNOLOGIES,
OBJECTS	(11) EP2458558	SL
(73) Toyota Motor Europe	(21) EP10802325.0	(72) PUIGGALÍ ALLEPUZ, Jordi
(72) MEIER, Sven	(47) 21.09.2022	GUASCH CASTELLÓ, Sandra
KOBORI, Norimasa	(87) JP2010062382	(31) 200902326
KEHL, Wadim	27.01.2011	(32) 04.12.2009
MANHARDT, Fabian	(22) 22.07.2010	(33) Spain
TOMBARI, Federico	(54) MARKER GENERATION DEVICE,	(51) G07F 17/32
(51) G06T 9/00	MARKER GENERATION DETECTION	A63F 13/48
H04N 19/59	SYSTEM, MARKER GENERATION	A63F 13/70
(11) EP2905742	DETECTION DEVICE, MARKER,	(11) EP2695650
(21) EP15157456.3	MARKER GENERATION METHOD, AND	(21) EP13179795.3
(47) 21.09.2022	PROGRAM THEREFOR	(47) 21.09.2022
(22) 20.12.2012	(73) NEC Corporation	(22) 08.08.2013
(54) Method and apparatus for compressing	(72) NAKAJIMA, Noboru	(54) Peer-to-peer wagering platform
and decompressing data	(31) 2009171841	(73) Skillz Platform Inc.
(73) Imagination Technologies Limited	(32) 23.07.2009	(72) Paradise, Andrew

Chafkin, Casey	(51) G08G 1/0967	United States of America
(31) 201313858581	B60W 50/00	(51) G10K 15/02
201213569424	(11) EP2903878	H04R 1/34
(32) 08.04.2013	(21) EP13798550.3	H04R 3/12
08.08.2012	(47) 21.09.2022	H04R 5/02
(33) United States of America	(87) DE2013200193	H04R 29/00
United States of America	10.04.2014	H04S 3/00
(51) G08B 13/16	(22) 27.09.2013	H04S 7/00
G08B 15/00	(54) METHOD FOR ASSISTING A DRIVER	(11) EP3706116
G08B 25/00	AT A TRAFFIC LIGHT FOR A VEHICLE	(21) EP19194751.4
(11) EP3622493	(73) Continental Autonomous Mobility	(47) 21.09.2022
(21) EP18708278.9	Germany GmbH	(22) 30.08.2019
(47) 21.09.2022	(72) LÜKE, Stefan	(54) SOUND PRODUCING APPARATUS
(87) US2018018328	HEGEMANN, Stefan	AND SOUND PRODUCING SYSTEM
15.11.2018	KOMAR, Matthias	(73) Xmems Labs, Inc.
(22) 15.02.2018	(31) 102012109297	(72) Liang, Jemm Yue
(54) SYSTEMS, METHODS, AND DEVICES	(32) 01.10.2012	(31) 201916551685
FOR ACTIVITY MONITORING VIA A	(33) Germany	201962828483 P
HOME ASSISTANT	(51) G08G 1/14	201962813075 P
(73) Google LLC	E01F 13/04	(32) 26.08.2019
(72) HORLING, Bryan	G06Q 10/02	03.04.2019
(31) 201815895910	(11) EP3316234	03.03.2019
201762505761 P	(21) EP16196518.1	(33) United States of America
(32) 13.02.2018	(47) 21.09.2022	United States of America
12.05.2017	(22) 31.10.2016	United States of America
(33) United States of America	(54) METHOD FOR MANAGING A PARKING	(51) G10L 15/22
United States of America	SPACE	G06F 9/46
(51) G08B 21/04	(73) Elite Swiss Business Solutions SA	G06F 9/50
G08B 21/02	(72) Pugliese, François	(11) EP3504705
G06K 9/62	(51) G08G 5/00	(21) EP17784147.5
G06K 9/00	H04B 7/185	(47) 21.09.2022
B25J 19/02	B64C 39/02	(87) US2017054462
B25J 11/00	B64C 37/02	12.04.2018
G05D 1/02	B64C 1/36	(22) 29.09.2017
G06V 20/10	B64D 39/06	(54) MULTI COMPUTATIONAL AGENT
(11) EP3715994	H01Q 1/28	PERFORMANCE OF TASKS
(21) EP20160582.1	B64C 13/20	(73) Google LLC
(47) 21.09.2022	H04W 16/28	(72) STETS, Robert
(22) 03.03.2020	(11) EP3868662	NYGAARD, Valerie
(54) ELECTRONIC APPARATUS AND	(21) EP19872736.4	CAPRITA, Bogdan
CONTROL METHOD THEREOF	(47) 21.09.2022	ABRAMS, Bradley M.
(73) Samsung Electronics Co., Ltd.	(87) JP2019031738	DOUGLAS, Jason Brant
(72) KIM, Woomok	23.04.2020	(31) 201662403665 P
CHOI, Hyunmi	(22) 09.08.2019	(32) 03.10.2016
SONG, Dongshin	(54) FLYING BODY AND SYSTEM	(33) United States of America
(31) 20190026189	(73) Hapsmobile Inc.	(51) G10L 15/22
(32) 07.03.2019	(72) MIYAKAWA, Junichi	G10L 15/26
(33) Korea (Republic)	SHIMAZAKI, Yoshihito	G10L 15/00
(51) G08C 23/04	YAMAMOTO, Atsushi	(11) EP3394852
(11) EP3539112	(31) 2018194686	(21) EP17767149.2
(21) EP17778299.2	(32) 15.10.2018	(47) 21.09.2022
(47) 21.09.2022	(33) Japan	(87) US2017019332
(87) EP2017075228	(51) G09B 23/28	21.09.2017
17.05.2018	(11) EP3699891	(22) 24.02.2017
(22) 04.10.2017	(21) EP20158126.1	(54) IDENTIFICATION OF VOICE INPUTS
(54) METHOD FOR EXCHANGING	(47) 21.09.2022	PROVIDING CREDENTIALS
INFORMATION BETWEEN A	(22) 19.02.2020	(73) Apple Inc.
HOUSEHOLD APPLIANCE AND A	(54) RESETTABLE INJECTION TRAINING	(72) AKBACAK, Murat
MOBILE DEVICE	DEVICE	HANSEN, Bryan
(73) Electrolux Appliances Aktiebolag	(73) Noble International, Inc.	EVERMANN, Gunnar
(72) FOIERA, Riccardo	(72) Baker, Jeff	(31) 201770128
VENTURINI, Gianluca	Hou, Shishuang	201615268360
VIROLI, Alex	Liu, Tingting	201662308090 P
NOSTRO, Massimo	(31) 201916551107	(32) 21.02.2017
JEANNETAU, Laurent	201962807472 P	16.09.2016
(31) 16197962	(32) 26.08.2019	14.03.2016
(32) 09.11.2016	19.02.2019	(33) Denmark
(33) European Patent Office (EPO)	(33) United States of America	United States of America

United States of America	(73) Samsung Electronics Co., Ltd.	(33) Japan
(51) G10L 15/22	(72) SUNG, Ho-sang	(51) G11C 16/20
G10L 15/30	JEONG, Jong-hoon	G11C 7/20
G06F 3/16	CHOO, Ki-hyun	G11C 7/10
G10L 17/00	OH, Eun-mi	G11C 5/14
(11) EP3437092	(51) G10L 21/028	(11) EP3699913
(21) EP16904824.6	G10L 19/008	(21) EP19194512.0
(47) 21.09.2022	(11) EP3542362	(47) 21.09.2022
(87) US2016051927	(21) EP17798236.0	(22) 30.08.2019
14.12.2017	(47) 21.09.2022	(54) DELAYED RESET FOR CODE
(22) 15.09.2016	(87) EP2017079516	EXECUTION FROM MEMORY DEVICE
(54) INTELLIGENT DEVICE ARBITRATION	24.05.2018	(73) Winbond Electronics Corp.
AND CONTROL	(22) 16.11.2017	(72) ADMON, Itay
(73) Apple Inc.	(54) DECOMPOSITION OF AN AUDIO	TASHER, Nir
(72) PIERSON, Kurt, W.	SIGNAL INTO TRANSIENT AND NOISE-	LUKO, Mark
ORR, Ryan, M.	LIKE COMPONENT SIGNALS	(31) 201916283774
MANDEL, Daniel, J.	(73) Fraunhofer-Gesellschaft zur Förderung	(32) 24.02.2019
(31) 201662348896 P	der angewandten Forschung e.V.	(33) United States of America
(32) 11.06.2016	(72) ADAMI, Alexander	(51) G16C 20/20
(33) United States of America	HERRE, Jürgen	(11) EP3948876
(51) G10L 17/00	DISCH, Sascha	(21) EP20733462.4
G06F 21/32	GHIDO, Florin	(47) 21.09.2022
G10L 17/24	(31) 16199402	(87) EP2020067432
(11) EP3699908	(32) 17.11.2016	30.12.2020
(21) EP20169110.2	(33) European Patent Office (EPO)	(22) 23.06.2020
(47) 21.09.2022	(51) G10L 25/48	(54) METHOD FOR PREDICTING A
(22) 20.03.2012	G10L 15/22	FEEDSTUFF AND/OR FEEDSTUFF
(54) DEVICE ACCESS USING VOICE	G10L 17/22	RAW MATERIAL
AUTHENTICATION	(11) EP3557577	(73) Evonik Operations GmbH
(73) Apple Inc.	(21) EP19160343.0	(72) REIMANN, Ingolf
(72) CHEYER, Adam J.	(47) 21.09.2022	REISING, Joachim
(31) 201113053144	(22) 01.03.2019	MÜLLER, Christoph
(32) 21.03.2011	(54) SYSTEMS AND METHODS FOR	(31) 19181932
(33) United States of America	ENHANCING RESPONSIVENESS TO	(32) 24.06.2019
(51) G10L 19/008	UTTERANCES HAVING DETECTABLE	(33) European Patent Office (EPO)
G10L 19/02	EMOTION	(51) G16H 20/13
G10L 21/038	(73) Spotify AB	B65D 41/00
(11) EP3613042	(72) Bromand, Daniel	A61J 1/03
(21) EP18724649.1	Gustafsson, David	A61J 7/04
(47) 21.09.2022	Mitic, Richard	B65D 51/24
(87) US2018028338	Mennicken, Sarah	G08B 21/24
25.10.2018	(31) 201815958510	A61J 1/14
(22) 19.04.2018	201815958485	(11) EP3215431
(54) NON-HARMONIC SPEECH	201815958453	(21) EP15856538.2
DETECTION AND BANDWIDTH	201815958340	(47) 21.09.2022
EXTENSION IN A MULTI-SOURCE	(32) 20.04.2018	(87) CA2015051100
ENVIRONMENT	20.04.2018	12.05.2016
(73) Qualcomm Incorporated	20.04.2018	(22) 28.10.2015
(72) CHEBIYYAM, Venkata Subrahmanyam	20.04.2018	(54) A REUSABLE WATERTIGHT
Chandra Sekhar	(33) United States of America	MEDICINE CAP FOR DETECTING
ATTI, Venkatraman	United States of America	AND RECORDING OPENINGS AND
(31) 201815956645	United States of America	CLOSINGS
201762488654 P	United States of America	(73) INTELLIGENT DEVICES SEZC INC.
(32) 18.04.2018	(51) G10L 25/54	(72) BROTZEL, Dean
21.04.2017	G06Q 30/02	PETERSEN, Michael
(33) United States of America	G06F 16/00	WILSON, Allan
United States of America	(11) EP3483751	(31) 2869491
(51) G10L 21/0208	(21) EP17824014.9	(32) 04.11.2014
H04R 1/10	(47) 21.09.2022	(33) Canada
(11) EP3605529	(87) JP2017022985	(51) G16H 20/17
(21) EP17901560.7	11.01.2018	G16H 40/60
(47) 21.09.2022	(22) 22.06.2017	(11) EP2973102
(87) KR2017003055	(54) INFORMATION PROCESSING DEVICE	(21) EP14721578.4
27.09.2018	AND METHOD	(47) 21.09.2022
(22) 22.03.2017	(73) Sony Group Corporation	(87) US2014022527
(54) METHOD AND APPARATUS FOR	(72) TSUBOI Naoto	02.10.2014
PROCESSING SPEECH SIGNAL	(31) 2016133964	(22) 10.03.2014
ADAPTIVE TO NOISE ENVIRONMENT	(32) 06.07.2016	

(54) MANAGEMENT OF CARE AREA TRANSITIONS OF INTRAVENOUS INFUSIONS	LIU, Meijun LI, Shengmao SUN, Bo	H01B 3/30 H01R 4/72 H02G 15/04
(73) CareFusion 303, Inc.	LUO, Hongbo	H02G 15/105
(72) BORGES, Gregory GAETANO, Jeffrey L. ROZELL, Eugene, Arthur BOLLISH, Stephen	WANG, Bin CAI, Dashui YOU, Dailun	H02G 15/103 H02G 15/068 H02G 15/18
(31) 201313830132	(31) 201910199423	(11) EP3611737
(32) 14.03.2013	(32) 15.03.2019	(21) EP18784717.3
(33) United States of America	(33) China	(47) 21.09.2022
(51) G16H 80/00 G16H 10/60	(51) G21F 5/10 G21F 5/002 G21F 5/06	(87) KR2018000943 18.10.2018 (22) 22.01.2018
(11) EP3675138 (21) EP20156811.0 (47) 21.09.2022 (22) 07.03.2018	(11) EP3791406 (21) EP19800609.0 (47) 21.09.2022 (87) US2019031027 14.11.2019	(54) JOINT BOX FOR ULTRA-HIGH VOLTAGE DIRECT CURRENT POWER CABLE, AND ULTRA-HIGH VOLTAGE DIRECT CURRENT POWER CABLE SYSTEM COMPRISING SAME
(54) MEDICAL IMAGING DEVICE CONTROL BASED ON DECISION TREE DATA STRUCTURES	(22) 07.05.2019 (54) IMPROVED UF6-TRANSPORT AND PROCESS CONTAINER (30W) FOR ENRICHMENTS UP TO 20% BY WEIGHT AND PROCESS THEREFORE	(73) LS Cable & System Ltd. (72) YUN, Ho Jung KIM, Sung Yun JUNG, Eui Hwan KIM, Yoon Hyoung HONG, Sung Pyo
(73) Siemens Healthcare GmbH (72) Allen-Raffi, Simon Archipovas, Saulius Baeck, Johannes Hermosillo Valadez, Gerardo Kohle, Sven Nensa, Felix Ritter, Felix Rusitska, Michael Thäle, Marcus Tietjen, Christian Weichert, Steffen	(73) Westinghouse Electric Company Llc (72) STUCKER, David L. (31) 201862667690 P (32) 07.05.2018 (33) United States of America	(31) 20170151534 20170046775 (32) 14.11.2017 11.04.2017 (33) Korea (Republic) Korea (Republic)
(51) G21C 3/07 G21C 21/02 G21C 9/00	(51) H01B 1/06 H01M 10/0562 H01M 10/052 H01B 1/08 C01F 17/30	(33) Korea (Republic) Korea (Republic) (51) H01B 12/06 H01B 12/02 H01F 6/06 H01L 39/14
(11) EP3469595 (21) EP17847119.9 (47) 21.09.2022 (87) US2017033736 08.03.2018 (22) 22.05.2017	(11) EP3905275 (21) EP19905435.4 (47) 21.09.2022 (87) JP2019037202 02.07.2020 (22) 24.09.2019	(11) EP3847676 (21) EP19763068.4 (47) 21.09.2022 (87) GB2019052433 12.03.2020
(22) 22.05.2017 (54) ZIRCONIUM-COATED SILICON CARBIDE FUEL CLADDING FOR ACCIDENT TOLERANT FUEL APPLICATION	(54) SOLID ELECTROLYTE MATERIAL AND BATTERY USING SAME (73) Panasonic Intellectual Property Management Co., Ltd. (72) SAKAIDA, Masashi UENO, Koki MIYAZAKI, Akinobu	(22) 30.08.2019 (54) FLEXIBLE HTS CURRENT LEADS (73) Tokamak Energy Ltd (72) VAN NUGTEREN, Bas BRITTLES, Greg (31) 201814582 (32) 07.09.2018 (33) United Kingdom
(73) Westinghouse Electric Company Llc (72) ALESHIN, Yuriy CHOI, Joonhyung (31) 201615178745 (32) 10.06.2016 (33) United States of America	(31) 2018248582 (32) 28.12.2018 (33) Japan	(51) H01B 13/14 H02K 3/32 H01F 5/06 (11) EP3089167 (21) EP14873225.8 (47) 21.09.2022 (87) JP2014083363 02.07.2015 (22) 17.12.2014 (54) INSULATING WIRE AND METHOD FOR MANUFACTURING INSULATING WIRE (73) Essex Furukawa Magnet Wire Japan Co., Ltd. (72) OYA, Makoto AOI, Tsuneo (31) 2013270573 (32) 26.12.2013 (33) Japan
(51) G21C 17/10 (11) EP3836163 (21) EP19920615.2 (47) 21.09.2022 (87) CN2019116776 24.09.2020 (22) 08.11.2019	(51) H01B 5/08 H01B 13/00 H01B 7/00 (11) EP4006922 (21) EP21208998.1 (47) 21.09.2022 (22) 18.11.2021 (54) COMPRESSED STRANDED CONDUCTOR, INSULATED ELECTRIC WIRE, AND WIRE HARNESS (73) Yazaki Corporation (72) Hirota, Tomomi (31) 2020194899 (32) 25.11.2020 (33) Japan	(51) H01B 13/14 H02K 3/32 H01F 5/06 (11) EP3089167 (21) EP14873225.8 (47) 21.09.2022 (87) JP2014083363 02.07.2015 (22) 17.12.2014 (54) INSULATING WIRE AND METHOD FOR MANUFACTURING INSULATING WIRE (73) Essex Furukawa Magnet Wire Japan Co., Ltd. (72) OYA, Makoto AOI, Tsuneo (31) 2013270573 (32) 26.12.2013 (33) Japan
(22) 08.11.2019 (54) NUCLEAR POWER PLANT REACTOR CONTROL ROD ADDRESSING APPARATUS AND METHOD	(73) Yazaki Corporation (72) Hirota, Tomomi (31) 2020194899 (32) 25.11.2020 (33) Japan	(51) H01F 3/08 G06F 3/03 G06F 3/046
(73) China Nuclear Power Operations Co., Ltd. China General Nuclear Power Corporation CGN Power Co., Ltd. (72) ZHANG, Jun GAO, Fuling	(51) H01B 7/10 H01B 9/02 H01B 7/02 H01B 3/28	(51) H01F 3/08 G06F 3/03 G06F 3/046

H01F 17/04	(21) EP17195822.6	(87) EP2020056644
(11) EP3780026	(47) 21.09.2022	19.11.2020
(21) EP19775056.5	(22) 10.10.2017	(22) 12.03.2020
(47) 21.09.2022	(54) ELECTRODE ASSEMBLY, ENERGY STORAGE DEVICE COMPRISING THE ELECTRODE ASSEMBLY AND A METHOD FOR PRODUCING THE ELECTRODE ASSEMBLY	(54) FUSIBLE CONDUCTOR AND FUSE
(87) JP2019014541	(73) MacroCaps ApS	(73) SIBA Fuses GmbH
03.10.2019	(72) Schaufli, Rayk-Peter	(72) WEBER, Jens
(22) 01.04.2019	(51) H01H 33/12	GÖDEKE, Johannes-Georg
(54) INDUCTOR CORE, ELECTRONIC PEN CORE PORTION, ELECTRONIC PEN, AND INPUT DEVICE	H01H 33/666	GLINTZER, Thorsten
(73) Kyocera Corporation	(11) EP3929955	LIPPOLD, Markus
(72) OCHIAI, Hitomi	(21) EP21382562.3	(31) 102019004223
(31) 2018069859	(47) 21.09.2022	102019003448
(32) 30.03.2018	(22) 25.06.2021	(32) 18.06.2019
(33) Japan	(54) LOAD-BREAK OR SHORT-CIRCUIT CURRENT SWITCH	16.05.2019
(51) H01F 27/12	(73) Ormazabal Corporate Technology, A.I.E.	(33) Germany
H01F 27/02	(72) IZCARA ZURRO, Jesús	Germany
H01F 38/00	BARRIO RODRÍGUEZ, Sergio	(51) H01J 37/08
(11) EP3514812	ARANAGA LÓPEZ, Severo Jose	H01J 37/317
(21) EP16916188.2	LARRIETA ZUBIA, Javier	H01J 27/08
(47) 21.09.2022	(31) 202030638	(11) EP3683821
(87) JP2016076946	(32) 25.06.2020	(21) EP18856848.9
22.03.2018	(33) Spain	(47) 21.09.2022
(22) 13.09.2016	(51) H01H 33/90	(87) JP2018030048
(54) TRANSFORMER FOR VEHICLE	(11) EP3840005	21.03.2019
(73) Mitsubishi Electric Corporation	(21) EP19218993.4	(22) 10.08.2018
(72) NAGASE, Akihiro	(47) 21.09.2022	(54) ION SOURCE AND ION IMPLANTER
KATO, Sunao	(22) 20.12.2019	(73) ULVAC, Inc.
(51) H01F 27/36	(54) TWO WAY PISTON INTERRUPTER	(72) HIGASHI, Akio
H02J 7/02	(73) Hitachi Energy Switzerland AG	SASAKI, Naruyasu
H02J 50/10	(72) Kriegel, Martin	TERASAWA, Toshihiro
H02J 7/00	(51) H01H 83/12	(31) 2017176451
H02J 50/70	H02H 3/24	(32) 14.09.2017
(11) EP3834215	H01H 71/02	(33) Japan
(21) EP19739260.8	(11) EP3859763	(51) H01L 21/683
(47) 21.09.2022	(21) EP20154631.4	H01L 21/687
(87) EP2019068454	(47) 21.09.2022	(11) EP3275012
13.02.2020	(22) 30.01.2020	(21) EP16713802.3
(22) 09.07.2019	(54) VOLTAGE MONITORING DEVICE	(47) 21.09.2022
(54) WIRELESS CHARGING DEVICE AND METHOD FOR CONTROLLING A WIRELESS CHARGING DEVICE	(73) ABB Schweiz AG	(87) EP2016056322
(73) Valeo Comfort and Driving Assistance	(72) Tüysüz, Arda	06.10.2016
(72) SCHULER, Stephane	Breisch, Sebastian	(22) 23.03.2016
(31) 201810902245	Reutner, Holger	(54) ROTARY PLATE FOR HOLDING A SUBSTRATE FOR A COATING DEVICE
(32) 09.08.2018	Schulmann, Boris	(73) Obducat AB
(33) China	(51) H01H 85/02	(72) MUFFLER, Pirmin
(51) H01G 9/028	H01H 85/22	(31) 102015104735
H01G 9/00	H01H 85/25	(32) 27.03.2015
H01G 9/15	(11) EP3252795	(33) Germany
(11) EP3678152	(21) EP16382242.2	(51) H01L 21/762
(21) EP18850243.9	(47) 21.09.2022	H01L 29/786
(47) 21.09.2022	(22) 31.05.2016	H01L 29/66
(87) JP2018017998	(54) VOLTAGE TAP SYSTEM FOR A FUSE-HOLDER BASE, FUSE-HOLDER BASE AND MEASUREMENT MODULE INCORPORATING SAID SYSTEM	H01L 29/78
07.03.2019	(73) PRONUTEC, S.A.U.	(11) EP3577683
(22) 09.05.2018	(72) GOMEZ, José, Julio	(21) EP18705431.7
(54) METHOD FOR MANUFACTURING SOLID ELECTROLYTIC CAPACITOR	(51) H01H 85/18	(47) 21.09.2022
(73) Showa Denko K.K.	H01H 85/11	(87) FR2018050196
(72) ARAKI, Motoaki	H01H 85/157	09.08.2018
OKUBO, Takashi	H01H 85/08	(22) 29.01.2018
(31) 2017167324	(11) EP3942589	(54) STRUCTURE FOR A RADIO FREQUENCY APPLICATION
(32) 31.08.2017	(21) EP20711568.4	(73) Soitec
(33) Japan	(47) 21.09.2022	(72) DESBONNETS, Eric
(51) H01G 11/12		ASPAR, Bernard
H01G 11/26		(31) 1750870
H01G 11/82		(32) 02.02.2017
(11) EP3471119		(33) France
		(51) H01L 21/768
		(11) EP3493248
		(21) EP18206639.9

(47) 21.09.2022	(31) 716902	H01L 33/42
(22) 16.11.2018	(32) 03.03.2010	(11) EP3667720
(54) METHOD FOR FORMING A SELF-ALIGNED CONTACT	(33) United States of America	(21) EP18211303.5
(73) MEDIATEK INC.	(51) H01L 23/42	(47) 21.09.2022
(72) LIN, Hsien-Hsin	H01L 23/433	(22) 10.12.2018
(31) 201816175556	H01L 23/40	(54) APEX ANGLE REDUCTION IN A LED DEVICE WITH A LED ARRAY
201762592543 P	(11) EP3336891	(73) IMEC vzw
(32) 30.10.2018	(21) EP17196674.0	(72) Steudel, Soeren
30.11.2017	(47) 21.09.2022	Tokei, Zsolt
(33) United States of America	(22) 16.10.2017	Heremans, Paul
United States of America	(54) PRESSURE LIMITING HEAT SINK	
(51) H01L 23/36	(73) Hamilton Sundstrand Corporation	(51) H01L 27/12
H01L 23/12	(72) TROTMAN, Kenneth J.	H01L 21/77
H01L 23/13	DUFFY, Jason C.	G06F 3/041
H01L 23/373	(31) 201615381149	G06F 3/044
H05K 1/02	(32) 16.12.2016	(11) EP3400610
(11) EP3595001	(33) United States of America	(21) EP16840363.2
(21) EP18764170.9	(51) H01L 23/433	(47) 21.09.2022
(47) 21.09.2022	C04B 37/00	(87) CN2016101075
(87) JP2018006745	H01L 23/373	13.07.2017
13.09.2018	H01L 23/12	(22) 30.09.2016
(22) 23.02.2018	C04B 37/02	(54) DISPLAY SUBSTRATE, FABRICATION METHOD FOR FORMING THE SAME, AND DISPLAY DEVICE CONTAINING THE SAME
(54) SUBSTRATE FOR POWER MODULE HAVING HEAT SINK	H01L 23/367	(73) BOE Technology Group Co., Ltd.
(73) Mitsubishi Materials Corporation	H01L 23/40	Beijing BOE Display Technology Co., Ltd.
(72) YUMOTO, Ryohei	H01L 25/07	(72) SANG, Qi
Oi, Sotaro	(11) EP3745453	WANG, Baoqiang
(31) 2017042544	(21) EP19743122.4	PARK, Sangjin
(32) 07.03.2017	(47) 21.09.2022	(31) 201610006872
(33) Japan	(87) JP2019002076	(32) 04.01.2016
(51) H01L 23/36	01.08.2019	(33) China
H01L 23/373	(22) 23.01.2019	
H01L 21/48	(54) SUBSTRATE FOR POWER MODULE WITH HEAT SINK, AND POWER MODULE	(51) H01L 27/146
H01L 23/00	(73) Mitsubishi Materials Corporation	(11) EP3770967
H01L 23/488	(72) OOHIRAKI, Tomoya	(21) EP19772127.7
H01L 25/065	Oi, Sotaro	(47) 21.09.2022
(11) EP3753049	(31) 2018009313	(87) JP2019008734
(21) EP19768992.0	(32) 24.01.2018	26.09.2019
(47) 21.09.2022	(33) Japan	(22) 06.03.2019
(87) US2019031041	(51) H01L 23/498	(54) SOLID-STATE IMAGE CAPTURE DEVICE, METHOD OF MANUFACTURING SAME, AND ELECTRONIC APPARATUS
12.11.2020	H01L 23/50	(73) Sony Semiconductor Solutions Corporation
(22) 07.05.2019	H05K 1/18	(72) IWABUCHI, Shin
(54) SILVER-INDIUM TRANSIENT LIQUID PHASE METHOD OF BONDING SEMICONDUCTOR DEVICE AND HEAT-SPREADING MOUNT AND SEMICONDUCTOR STRUCTURE HAVING SILVER-INDIUM TRANSIENT LIQUID PHASE BONDING JOINT	(11) EP3425667	(31) 2018052462
(73) Light-Med (USA), Inc.	(21) EP18189831.3	(32) 20.03.2018
(72) HUO, Yongjun	(47) 21.09.2022	(33) Japan
LEE, Chin Chung	(22) 10.07.2012	(51) H01L 27/146
(51) H01L 23/367	(54) MANUFACTURING A SEMICONDUCTOR PACKAGE INCLUDING AN EMBEDDED CIRCUIT COMPONENT WITHIN A SUPPORT STRUCTURE OF THE PACKAGE AND CORRESPONDING DEVICE	H01L 31/10
H01L 23/48	(73) Cisco Technology, Inc.	H01L 51/42
H01L 25/065	(72) SAVIC, Jovica	H04N 5/369
H01L 25/00	YANG, Zhiping	(11) EP3783652
(11) EP2543067	XUE, Jie	(21) EP19787979.4
(21) EP11709535.6	LI, Li	(47) 21.09.2022
(47) 21.09.2022	(31) 201113296707	(87) JP2019016292
(87) US2011026987	201113181899	24.10.2019
09.09.2011	(32) 15.11.2011	(22) 16.04.2019
(22) 03.03.2011	13.07.2011	(54) IMAGING ELEMENT, MULTILAYER IMAGING ELEMENT, AND SOLID-STATE IMAGING DEVICE
(54) METHOD OF FORMING DUMMY TSV TO IMPROVE PROCESS UNIFORMITY AND HEAT DISSIPATION	(33) United States of America	(73) Sony Group Corporation
(73) Advanced Micro Devices, Inc.	United States of America	(72) MORIWAKI Toshiki
(72) PARK, Changyok	(51) H01L 25/075	NAKANO Hiroshi
	H01L 25/16	(31) 2018162972
	H01L 33/58	2018081252
	H01L 33/62	

(32) 31.08.2018 20.04.2018	CHUMBES, Eduardo, M. IP, Kelly, P.	(51) H01L 51/52 H05B 33/22 G02B 5/02
(33) Japan Japan	KAZIOR, Thomas, E.	(11) EP2871688 (21) EP13824796.0 (47) 21.09.2022
(51) H01L 27/146 H01L 31/10 H01L 51/42 H04N 5/369	(31) 201715438196 (32) 21.02.2017 (33) United States of America	(87) KR2013006907 06.02.2014 (22) 31.07.2013 (54) SUBSTRATE FOR ORGANIC ELECTRONIC DEVICE (73) LG Chem, Ltd. (72) AHN, Yong Sik PARK, Jin Woo
(11) EP3783653 (21) EP19788197.2 (47) 21.09.2022 (87) JP2019016262 24.10.2019 (22) 16.04.2019	(11) EP3652789 (21) EP17825958.6 (47) 21.09.2022 (87) IB2017057960 17.01.2019	(31) 20120084212 (32) 31.07.2012 (33) Korea (Republic)
(54) IMAGING ELEMENT, MULTILAYER IMAGING ELEMENT, AND SOLID-STATE IMAGING DEVICE (73) Sony Group Corporation (72) MORIWAKI Toshiki NAKANO Hiroshi	(22) 14.12.2017 (54) FLEXIBLE SOLAR CELL AND METHOD (73) King Abdullah University Of Science And Technology	(51) H01L 51/52 H05K 1/18 (11) EP3738157 (21) EP19700363.5 (47) 21.09.2022 (87) EP2019050407 18.07.2019 (22) 09.01.2019 (54) ULTRATHIN OLED LIGHTING PANEL (73) OLEDWorks GmbH (72) RUSKE, Manfred SELL, Konrad HOEGEN, Thomas KNIPPING, Joerg
(31) 2018081251 (32) 20.04.2018 (33) Japan	(72) HUSSAIN, Muhammad Mustafa BAHABRY, Rabab Riyad	(31) 201862615135 P (32) 09.01.2018 (33) United States of America
(51) H01L 27/32 (11) EP3745461 (21) EP20172830.0 (47) 21.09.2022 (22) 05.05.2020 (54) DISPLAY DEVICE (73) Samsung Display Co., Ltd. (72) Cho, Seung Hwan Kang, Ki Nyung Lee, Sang Hoon Kim, Sun Ho Kim, Tae Woo Yang, Tae Hoon Choi, Jong Hyun	(31) 201762532460 P (32) 14.07.2017 (33) United States of America	(51) H01M 4/13 H01M 4/62 H01M 10/052 (11) EP3716364 (21) EP19751927.5 (47) 21.09.2022 (87) KR2019001479 15.08.2019 (22) 01.02.2019 (54) POSITIVE ELECTRODE, AND SECONDARY BATTERY COMPRISING POSITIVE ELECTRODE (73) LG Energy Solution, Ltd. (72) YOO, Jung Woo KIM, Ye Lin KIM, Tae Gon
(31) 20190061685 (32) 27.05.2019 (33) Korea (Republic)	(31) 201261712782 P (32) 11.10.2012 (33) United States of America	(31) 20180015313 (32) 07.02.2018 (33) Korea (Republic)
(51) H01L 27/32 (11) EP3748682 (21) EP20153781.8 (47) 21.09.2022 (22) 27.01.2020 (54) DISPLAY APPARATUS HAVING EXTENDED CONNECTING LINES (73) Samsung Display Co., Ltd. (72) Lee, Gichang	(51) H01L 51/44 (11) EP3629392 (21) EP19175766.5 (47) 21.09.2022 (22) 11.10.2013 (54) ORGANIC PHOTSENSITIVE DEVICES WITH REFLECTORS (73) The Regents of The University of Michigan	(51) H01M 4/13 H01M 10/052 (11) EP3716364 (21) EP19751927.5 (47) 21.09.2022 (87) KR2019001479 15.08.2019 (22) 01.02.2019 (54) POSITIVE ELECTRODE, AND SECONDARY BATTERY COMPRISING POSITIVE ELECTRODE (73) LG Energy Solution, Ltd. (72) YOO, Jung Woo KIM, Ye Lin KIM, Tae Gon
(31) 20190066878 (32) 05.06.2019 (33) Korea (Republic)	(72) FORREST, Stephen R. (31) 201261712782 P (32) 11.10.2012 (33) United States of America	(31) 20180015313 (32) 07.02.2018 (33) Korea (Republic)
(51) H01L 29/20 H01L 29/45 H01L 29/66 H01L 29/778 H01L 21/285	(51) H01L 51/52 H01L 27/32 (11) EP3664148 (21) EP19214031.7 (47) 21.09.2022 (22) 06.12.2019 (54) DISPLAY DEVICE AND ELECTRONIC DEVICE HAVING THE SAME (73) Samsung Display Co., Ltd. (72) Moon, Jeongwoo Park, Kyoujong Park, Youngju Lee, JinYoung	(51) H01M 4/133 H01M 4/587 H01M 10/0525 H01M 4/02 H01M 4/525 (11) EP3573149 (21) EP19174551.2 (47) 21.09.2022 (22) 15.05.2019 (54) BATTERY AND TESTING METHOD OF ACTIVE SPECIFIC SURFACE AREA OF ELECTRODE PLATE (73) Contemporary Amperex Technology Co., Limited
(11) EP3586370 (21) EP18707819.1 (47) 21.09.2022 (87) US2018017896 30.08.2018 (22) 13.02.2018	(31) 20180155981 (32) 06.12.2018 (33) Korea (Republic)	(22) 15.05.2019 (54) BATTERY AND TESTING METHOD OF ACTIVE SPECIFIC SURFACE AREA OF ELECTRODE PLATE (73) Contemporary Amperex Technology Co., Limited
(54) NITRIDE STRUCTURE HAVING GOLD-FREE CONTACT AND METHODS FOR FORMING SUCH STRUCTURES (73) Raytheon Company (72) LAROCHE, Jeffrey, R.	(31) 20180155981 (32) 06.12.2018 (33) Korea (Republic)	(72) SHEN, Yuliang

KANG, Meng	Kia Corporation	(21) EP14844242.9
WANG, Jiazheng	(72) LEE, Yoon Sung	(47) 21.09.2022
HE, Libing	OH, Seung Min	(87) JP2014073124
ZUO, Qiqi	KIM, Nam Hyeong	19.03.2015
(31) 201810509992	KIM, Dong Jun	(22) 03.09.2014
(32) 24.05.2018	BAN, Sung Ho	(54) BATTERY CELL STACK AND REDOX
(33) China	KIM, Ik Kyu	FLOW BATTERY
(51) H01M 4/36	LEE, Ji Eun	(73) Sumitomo Electric Industries, Ltd.
H01M 4/525	(31) 20190167254	(72) NAKAISHI, Hiroyuki
H01M 4/505	(32) 13.12.2019	(31) 2014159339
H01M 4/485	(33) Korea (Republic)	2013189506
H01M 4/1391	(51) H01M 8/04	(32) 05.08.2014
H01M 4/131	H01M 8/00	12.09.2013
H01M 10/44	H01M 8/04228	(33) Japan
H01M 10/052	H01M 8/04303	Japan
H01M 10/0525	H01M 8/12	(51) H01M 8/2418
(11) EP3637509	H01M 16/00	H01M 8/2404
(21) EP18835882.4	H01M 8/04302	H01M 8/1004
(47) 21.09.2022	H01M 8/04225	(11) EP3619766
(87) KR2018007877	H01M 8/04537	(21) EP18728928.5
24.01.2019	H01M 8/04701	(47) 21.09.2022
(22) 11.07.2018	H01M 8/04828	(87) FR2018051111
(54) POSITIVE ELECTRODE FOR	B60L 50/50	08.11.2018
LITHIUM SECONDARY BATTERY,	H01M 8/124	(22) 03.05.2018
MANUFACTURING METHOD	(11) EP3392942	(54) FUEL CELL MEMBRANE HANDLING
THEREFOR, AND LITHIUM	(21) EP16875241.8	DEVICE
SECONDARY BATTERY COMPRISING	(47) 21.09.2022	(73) Commissariat à l'Énergie Atomique et
SAME	(87) JP2016081132	aux Énergies Alternatives
(73) LG Energy Solution, Ltd.	22.06.2017	(72) BUVAT, Pierrick
(72) LEE, Joo Sung	(22) 20.10.2016	CARRIERE, Stéphane
KIM, Ho June	(54) FUEL CELL SYSTEM	CHAZOT, Laurent
HEO, Min Ji	(73) Nissan Motor Co., Ltd.	SERRE, Jérôme
(31) 20170090244	(72) SUZUKI, Kenta	BOUGY, Jean-Jacques
(32) 17.07.2017	KUMADA, Mitsunori	(31) 1753910
(33) Korea (Republic)	(31) 2015243837	(32) 03.05.2017
(51) H01M 4/38	(32) 15.12.2015	(33) France
H01M 10/052	(33) Japan	(51) H01M 10/04
H01M 10/42	(51) H01M 8/04089	H01M 4/04
H01M 10/0562	H01M 8/04082	H01M 50/30
H01M 4/525	H01M 8/04225	H01M 50/60
H01M 10/44	H01M 8/04223	(11) EP3506409
(11) EP3595055	H01M 8/0612	(21) EP18805014.0
(21) EP19180890.6	H01M 8/10	(47) 21.09.2022
(47) 21.09.2022	(11) EP3843189	(87) KR2018005853
(22) 18.06.2019	(21) EP19219241.7	29.11.2018
(54) METHOD FOR CHARGING	(47) 21.09.2022	(22) 23.05.2018
SECONDARY BATTERY	(22) 23.12.2019	(54) METHOD FOR MANUFACTURING
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(54) APPARATUS FOR OPERATING	SECONDARY BATTERY
(72) LI, Ximeng	AN EXOTHERMIC HYDROGEN	AND AUXILIARY CASE FOR
NOSE, Masafumi	CONSUMER WITH METAL HYDRIDE	MANUFACTURING SECONDARY
(31) 2018132606	STORAGE	BATTERY
(32) 12.07.2018	(73) Helmholtz-Zentrum hereon GmbH	(73) LG Energy Solution, Ltd.
(33) Japan	PANCO GmbH	(72) DO, Jin Uk
(51) H01M 4/525	(72) Bellosta von Colbe, José M.	LEE, Je Jun
C07C 67/00	Klassen, Thomas	JUNG, Sang Suk
H01M 10/0525	Dornheim, Martin	JO, Min Ki
H01M 10/0567	Jepsen, Julian	(31) 20170064272
H01M 10/0568	Taube, Klaus	(32) 24.05.2017
H01M 10/0569	Platzek, Dieter	(33) Korea (Republic)
(11) EP3836264	Puszkiew, Julián	(51) H01M 10/052
(21) EP20180040.6	(51) H01M 8/18	H01M 10/613
(47) 21.09.2022	H01M 8/02	H01M 10/625
(22) 15.06.2020	H01M 8/24	(11) EP3818584
(54) ELECTROLYTE SOLUTION FOR	H01M 10/42	(21) EP19736372.4
LITHIUM SECONDARY BATTERIES	H01M 8/2465	(47) 21.09.2022
AND LITHIUM SECONDARY BATTERY	H01M 8/0206	(87) EP2019067922
INCLUDING THE SAME	H01M 8/0228	09.01.2020
(73) HYUNDAI MOTOR COMPANY	(11) EP3046173	(22) 03.07.2019

(54) MULTIPLE COOLING CIRCUIT SYSTEMS AND METHODS FOR USING THEM	(47) 21.09.2022 (87) CN2020083058 15.10.2020	(31) 201816018768 (32) 26.06.2018 (33) United States of America
(73) BP P.L.C.	(22) 02.04.2020	(51) H01Q 1/24
(72) PEARSON, Richard PRENTICE, Giles, Michael, Derek SALKELD, Jonathan WEST, Kevin, Richard	(54) PROTECTION PLATE, BATTERY CELL ASSEMBLY, BATTERY MODULE AND VEHICLE (73) Contemporary Ampere Technology Co., Limited	(11) EP3696911 (21) EP20156285.7 (47) 21.09.2022 (22) 10.02.2020
(31) 201811003 (32) 04.07.2018 (33) United Kingdom	(72) CHEN, Xingdi YOU, Kaijie JIN, Haizu ZHOU, Linggang WANG, Peng SHI, Dongyang	(54) DEVICE TO MINIMIZE CURRENT OVERSHOOT IN DETUNED ANTENNA (73) NXP B.V. (72) FLEISCHHACKER, Jens EFFING, Hermanus Johannes
(51) H01M 10/0567 H01M 10/0525	(31) 201920461524 U 201920461091 U	(31) 201916277377 (32) 15.02.2019 (33) United States of America
(11) EP3893313 (21) EP21177720.6 (47) 21.09.2022 (22) 16.03.2018	(32) 08.04.2019 08.04.2019	(51) H01Q 1/32 H01Q 9/40 H01Q 21/29 H01Q 5/40 H01Q 5/35
(54) ELECTROLYTE ADDITIVE COMPOSITION, AS WELL AS ELECTROLYTE AND LITHIUM SECONDARY BATTERY COMPRISING THE SAME	(33) China China	(11) EP3419109 (21) EP17752899.9 (47) 21.09.2022 (87) JP2017002191 24.08.2017 (22) 23.01.2017
(73) LG Energy Solution, Ltd.	(51) H01P 1/06 A61B 6/00	(54) ANTENNA DEVICE (73) Yokowo Co., Ltd (72) TERASHITA, Noritaka ONO, Motohisa
(72) Lim, Young Min Lee, Chul-Haeng Kim, Ha Eun	(11) EP3747081 (21) EP19701194.3 (47) 21.09.2022 (87) EP2019051149 08.08.2019	(31) 201662297195 P (32) 19.02.2016 (33) United States of America
(31) 20170034037 (32) 17.03.2017 (33) Korea (Republic)	(22) 17.01.2019	(51) H01Q 3/26 H01Q 13/08 H04B 17/16 G01R 29/08 G01R 29/10
(51) H01M 50/20	(54) DEVICE FOR TRANSFERRING A SIGNAL BY MEANS OF WAVEGUIDES	(11) EP3432009 (21) EP18184373.1 (47) 21.09.2022 (22) 19.07.2018
(11) EP3513886 (21) EP18206888.2 (47) 21.09.2022 (22) 19.11.2018	(73) Robert Bosch GmbH (72) BRECHTER, Ludwig WORMS, Kai	(54) DEVICE FOR STIMULATING NEAR-FIELD ANTENNAS (73) THALES (72) MAZEAU, Thierry BOULANGÉY, Jean-Marie PERPERE, Bernard JAHAN, Daniel
(54) METHOD FOR PRODUCING CELL-CONNECTORS	(31) 102018201510 (32) 01.02.2018 (33) Germany	(31) 1700775 (32) 20.07.2017 (33) France
(73) Otto Bihler Handels-Beteiligungs-GmbH (72) Haußmann, Bernd	(51) H01P 1/18 H01Q 3/36 H03H 7/18	(51) H01Q 3/44 (11) EP3651269 (21) EP18204586.4 (47) 21.09.2022 (22) 06.11.2018
(31) 102018200875 (32) 19.01.2018 (33) Germany	(11) EP3664215 (21) EP18211012.2 (47) 21.09.2022 (22) 07.12.2018	(54) PHASED ARRAY ANTENNA (73) ALCAN Systems GmbH (72) Karabey, Onur Hamza Gölden, Felix Gäbler, Alexander
(51) H01M 50/20 H01M 50/24 H01M 50/502 H01M 50/572	(54) RADIO FREQUENCY PHASE SHIFTING DEVICE	(31) 2019031661 02.01.2020 (22) 10.05.2019
(11) EP3140874 (21) EP15723451.9 (47) 21.09.2022 (87) EP2015059900 12.11.2015	(73) ALCAN Systems GmbH (72) Karabey, Onur Hamza Gölden, Felix Gäbler, Alexander	(54) TAPERED LINE FREQUENCY SELECTIVE LIMITER (73) Raytheon Company (72) MORTON, Matthew, A. SOLLNER, Gerhard SORIC, Jason, C.
(22) 06.05.2015	(51) H01P 1/22 H01P 1/23 H01P 1/203 H01P 1/215 H01P 5/02 H01P 5/08	(51) H01Q 5/321
(54) BATTERY PACK AND METHOD FOR ASSEMBLING A BATTERY PACK	(11) EP3815174 (21) EP19727788.2 (47) 21.09.2022 (87) US2019031661 02.01.2020 (22) 10.05.2019	
(73) H-Tech AG (72) TSCHIGGFREI, Peter SKALA, Gerd		
(31) 102014115330 102014106414 (32) 21.10.2014 08.05.2014 (33) Germany Germany		
(51) H01M 50/367 H01M 50/209 H01M 50/35 H01M 50/342		
(11) EP3809487 (21) EP20787416.5		

H01Q 1/24	04.06.2020	(72) Pannagl, Andreas
H01Q 21/28	(22) 28.11.2019	Quiter, Michael
H01Q 1/38	(54) CONNECTION ELEMENT	(31) 102017011421
H01Q 5/35	(73) Wago Verwaltungsgesellschaft mbH	(32) 11.12.2017
H01Q 5/378	(72) KÖLLMANN, Hans-Josef	(33) Germany
H01Q 9/40	(31) 102018130533	(51) H01R 13/6466
(11) EP3649697	(32) 30.11.2018	H01R 24/64
(21) EP18736916.0	(33) Germany	H05K 1/02
(47) 21.09.2022	(51) H01R 12/58	H05K 1/11
(87) EP2018068436	(11) EP2899812	H01R 13/6463
10.01.2019	(21) EP14198976.4	H01R 24/28
(22) 06.07.2018	(47) 21.09.2022	(11) EP3326246
(54) MODULAR MULTI-STAGE ANTENNA	(22) 02.12.2009	(21) EP16745359.6
SYSTEM AND COMPONENT FOR	(54) Connection arrangement on circuit	(47) 21.09.2022
WIRELESS COMMUNICATIONS	boards	(87) US2016043334
(73) IGNION, S.L.	(73) Würth Elektronik ICS GmbH & Co. KG	26.01.2017
(72) ANGUERA, Jaume	(72) Wittig, Klaus	(22) 21.07.2016
ANDUJAR, Aurora	Kallee, Werner	(54) MODULAR CONNECTOR PLUG FOR
PUENTE, Carles	(31) 09163009	HIGH SPEED DATA TRANSMISSION
MATEOS NAVARRO, Rosa M	08020940	NETWORKS
(31) 201862634943 P	(32) 17.06.2009	(73) Bel Fuse (Macao Commercial Offshore)
201762529032 P	03.12.2008	Limited
18158695	(33) European Patent Office (EPO)	(72) MAROWSKY, Richard, D.
(32) 26.02.2018	European Patent Office (EPO)	GUTTER, David, H.
06.07.2017	(51) H01R 13/436	BELOPOLSKY, Yakov
26.02.2018	H01R 13/424	(31) 201562195062 P
(33) United States of America	H01R 13/506	(32) 21.07.2015
United States of America	(11) EP3863122	(33) United States of America
European Patent Office (EPO)	(21) EP21153437.5	(51) H01R 13/66
(51) H01R 4/02	(47) 21.09.2022	H01R 24/28
H01R 4/70	(22) 26.01.2021	B25F 5/00
H01R 13/52	(54) CONNECTOR	(11) EP2993741
H01R 43/00	(73) Yazaki Corporation	(21) EP15175083.3
H01R 13/719	(72) SAITO, Akihiro	(47) 21.09.2022
(11) EP3188315	SAWADA, Tsutomu	(22) 02.07.2015
(21) EP16205499.3	(31) 2020017193	(54) ELECTRIC TOOL
(47) 21.09.2022	(32) 04.02.2020	(73) Robert Bosch GmbH
(22) 20.12.2016	(33) Japan	(72) Cer, Zoltan
(54) CABLE CONNECTOR	(51) H01R 13/52	Schadow, Joachim
(73) Johnson Electric International AG	B25J 9/16	Schomisch, Thomas
(72) Poncini, Renato	H01R 43/00	Lutz, Manfred
Bussa, Marco	H01R 43/20	Dengler, Klaus
(31) UB20159751	G05B 15/02	(31) 102014217860
(32) 30.12.2015	(11) EP3244491	(32) 08.09.2014
(33) Italy	(21) EP17159015.1	(33) Germany
(51) H01R 4/48	(47) 21.09.2022	(51) H01R 24/22
H01R 9/24	(22) 02.03.2017	H01R 13/514
H01R 31/08	(54) METHODS FOR AUTOMATICALLY	H01R 13/46
(11) EP3787120	INSERTING COMPONENTS INTO AN	H01R 31/02
(21) EP20187463.3	ELECTRICAL CONNECTOR	H01R 13/506
(47) 21.09.2022	(73) The Boeing Company	H01R 25/00
(22) 23.07.2020	(72) HELMICK, Eerik	(11) EP3379656
(54) CONDUCTOR TERMINAL AND	EVANS, Nick Shadbeh	(21) EP17741126.1
CONTACT INSERT OF A CONDUCTOR	(31) 201615149745	(47) 21.09.2022
TERMINAL	(32) 09.05.2016	(87) CN2017076997
(73) Wago Verwaltungsgesellschaft mbH	(33) United States of America	27.07.2017
(72) KÖLLMANN, Hans-Josef	(51) H01R 13/59	(22) 16.03.2017
Mickmann, Viktor	H01R 105/00	(54) THREE-DIMENSIONAL CONVERTER
Wendt, Stephan	H01R 13/506	(73) Gongniu Group Co., Ltd.
(31) 202019104688 U	H01R 13/6592	(72) ZHANG, Jialu
(32) 27.08.2019	(11) EP3531512	WANG, Huijiu
(33) Germany	(21) EP18211560.0	YAN, Lei
(51) H01R 4/48	(47) 21.09.2022	DENG, Hao
H01R 13/11	(22) 11.12.2018	(31) 201620043644 U
(11) EP3888190	(54) CONNECTOR WITH CLAMPING JAW	(32) 18.01.2016
(21) EP19832290.1	AND METHOD FOR CONNECTING A	(33) China
(47) 21.09.2022	CONNECTOR	(51) H01R 31/06
(87) EP2019082906	(73) Yamaichi Electronics Deutschland GmbH	H01B 7/08

H01R 12/77	(11) EP3547466	(11) EP3813210	(22) 06.02.2020
(21) EP17894449.2	(21) EP17894449.2	(21) EP19205053.2	(54) IMPROVED POWER SYSTEM
(47) 21.09.2022	(47) 21.09.2022	(47) 21.09.2022	PERFORMANCE BASED ON UPDATED
(87) KR2017002488	(22) 24.10.2019	(22) 24.10.2019	PERFORMANCE CHARACTERISTICS
02.08.2018	(54) INSTALLATION DEVICE FOR BUSBARS	(54) INSTALLATION DEVICE FOR BUSBARS	OF A PROTECTION DEVICE
(22) 08.03.2017	AND INSTALLATION METHOD	(73) Zurecon AG	(73) Rockwell Automation Technologies, Inc.
(54) POWER CABLE AND POWER	(72) PFLUGER, Gerd	(72) PFLUGER, Gerd	(72) MAZUR, David C.
ADAPTOR INCLUDING SAME	(51) H02G 3/08	(51) H02G 3/08	BELLOWS, Troy M.
(73) Samsung Electronics Co., Ltd.	H02G 3/12	H02G 3/12	ENTZMINGER, Rob A.
(72) KANG, Jeong-il	(11) EP3703207	(11) EP3703207	MICKLER, Kurt R.
JANG, Hyun-young	(21) EP20159652.5	(21) EP20159652.5	VENNE, Bruce K.
(31) 20170012008	(47) 21.09.2022	(47) 21.09.2022	KAY, John A.
(32) 25.01.2017	(22) 26.02.2020	(22) 26.02.2020	DAY, Scott D.
(33) Korea (Republic)	(54) FLUSH-MOUNTED JUNCTION BOX	(54) FLUSH-MOUNTED JUNCTION BOX	(31) 201916271278
(51) H01S 5/026	(73) Miedzinska-Kozlak, Ewa	(73) Miedzinska-Kozlak, Ewa	(32) 08.02.2019
H01S 5/0625	Kozlak, Jaroslaw	Kozlak, Jaroslaw	(33) United States of America
H01S 5/10	Dudek, Krzysztof	Dudek, Krzysztof	(51) H02H 7/26
H01S 5/22	(72) Dudek, Krzysztof	(72) Dudek, Krzysztof	H02H 3/093
(11) EP2816679	(31) 42903819	(31) 42903819	(11) EP3683911
(21) EP13305845.3	(32) 26.02.2019	(32) 26.02.2019	(21) EP19151880.2
(47) 21.09.2022	(33) Poland	(33) Poland	(47) 21.09.2022
(22) 21.06.2013	(51) H02G 5/00	(51) H02G 5/00	(22) 15.01.2019
(54) Laser-emission device with built-in light	(11) EP3871304	(11) EP3871304	(54) FAULT PROTECTION METHOD FOR
modulator	(21) EP18793413.8	(21) EP18793413.8	AN HVDC GRID
(73) Alcatel Lucent	(47) 21.09.2022	(47) 21.09.2022	(73) Mitsubishi Electric Corporation
COMMISSARIAT A L'ENERGIE	(87) EP2018079332	(87) EP2018079332	(72) VOYER, Nicolas
ATOMIQUE ET AUX ENERGIES	30.04.2020	30.04.2020	(51) H02J 3/00
ALTERNATIVES	(22) 25.10.2018	(22) 25.10.2018	H02P 9/00
(72) Accard, Alain	(54) APPARATUS FOR ELECTRICALLY	(54) APPARATUS FOR ELECTRICALLY	H02P 21/00
Mallecot, Franck	INTERCONNECTING TWO LAMINATED	INTERCONNECTING TWO LAMINATED	(11) EP3748797
Blache, Fabrice	MULTI-PHASE BUSBARS	MULTI-PHASE BUSBARS	(21) EP19179119.3
(51) H02B 1/056	(73) ABB Schweiz AG	(73) ABB Schweiz AG	(47) 21.09.2022
H01H 73/08	(72) MRUCZEK, Maciej	(72) MRUCZEK, Maciej	(22) 07.06.2019
H01H 71/08	(51) H02G 15/04	(51) H02G 15/04	(54) METHOD OF OPERATING DOUBLY-
H01H 1/58	(11) EP3252898	(11) EP3252898	FED INDUCTION GENERATOR
(11) EP3446324	(21) EP17000803.1	(21) EP17000803.1	SYSTEMS AND DOUBLY-FED
(21) EP17733122.0	(47) 21.09.2022	(47) 21.09.2022	INDUCTION GENERATOR
(47) 21.09.2022	(22) 09.05.2017	(22) 09.05.2017	(73) GE Energy Power Conversion
(87) US2017027880	(54) CONNECTOR AND METHOD OF	(54) CONNECTOR AND METHOD OF	Technology Ltd.
26.10.2017	SEALING A CONNECTOR	SEALING A CONNECTOR	(72) ROTHENHAGEN, Kai Alexander
(22) 17.04.2017	(73) Yamaichi Electronics Deutschland GmbH	(73) Yamaichi Electronics Deutschland GmbH	BOCQUEL, Aurelie
(54) INTEGRAL CONTACT SOCKET FOR	(72) Pannagl, Andreas	(72) Pannagl, Andreas	(51) H02J 3/14
PLUG-IN CIRCUIT BREAKERS	Quiter, Michael	Quiter, Michael	B60L 53/66
(73) Safran Electrical & Power	(31) 102016006728	(31) 102016006728	(11) EP3554886
(72) GEIER, David, Michael	(32) 01.06.2016	(32) 01.06.2016	(21) EP17794748.8
MCCORMICK, James, Michael	(33) Germany	(33) Germany	(47) 21.09.2022
NERSTROM, Peter	(51) H02H 1/00	(51) H02H 1/00	(87) EP2017078745
MUCKEFUSE, Jeffrey, Alan	H02H 3/30	H02H 3/30	28.06.2018
(31) 201662324376 P	(11) EP3667848	(11) EP3667848	(22) 09.11.2017
(32) 19.04.2016	(21) EP19214757.7	(21) EP19214757.7	(54) SYSTEM FOR CHARGING ELECTRIC
(33) United States of America	(47) 21.09.2022	(47) 21.09.2022	VEHICLES
(51) H02B 13/045	(22) 10.12.2019	(22) 10.12.2019	(73) Electricité de France
H02B 1/56	(54) ARC FAULT DETECTION WITH SENSE	(54) ARC FAULT DETECTION WITH SENSE	(72) BEAUDE, Olivier
(11) EP3483995	WIRE MONITORING	WIRE MONITORING	KADDOUR, Bayram
(21) EP17201616.4	(73) Hamilton Sundstrand Corporation	(73) Hamilton Sundstrand Corporation	AUGUSTIN, Bertrand
(47) 21.09.2022	(72) PERALTA, Jimmy	(72) PERALTA, Jimmy	PENNEC, Julien
(22) 14.11.2017	DICKEY, John A.	DICKEY, John A.	JEANDIN, Alban
(54) MEDIUM VOLTAGE GAS INSULATED	(31) 201816217817	(31) 201816217817	(31) 1662726
SWITCHGEAR WITH PRESSURE	(32) 12.12.2018	(32) 12.12.2018	(32) 19.12.2016
REINFORCED COMPARTMENT	(33) United States of America	(33) United States of America	(33) France
(73) ABB Schweiz AG	(51) H02H 3/00	(51) H02H 3/00	(51) H02J 3/38
(72) Gentsch, Dietmar	H02H 7/26	H02H 7/26	H02J 3/24
Kopp, Dalibor	H02J 13/00	H02J 13/00	H02J 9/06
Reuber, Christian	(11) EP3694065	(11) EP3694065	H02J 3/32
(51) H02G 1/00	(21) EP20155798.0	(21) EP20155798.0	(11) EP3681008
H02G 3/00	(47) 21.09.2022	(47) 21.09.2022	(21) EP18852678.4
H02G 5/00			(47) 21.09.2022
			(87) JP2018031601

07.03.2019	(22) 22.04.2015	(54) TWO-WIRE LOAD CONTROL DEVICE
(22) 27.08.2018	(54) ELECTROMECHANICAL ACTUATOR	FOR LOW-POWER LOADS
(54) POWER SUPPLY SYSTEM	DAMPING	(73) Lutron Technology Company LLC
(73) Nissin Electric Co., Ltd.	(73) Goodrich Actuation Systems Limited	(72) NEWMAN, Robert, C., Jr.
(72) UDA, Satoshi	(72) Benarous, Maamar	CARMEN, Daniel, F.
KAWASAKI, Yoshinori	Socheleau, Jérôme A.	(31) 201414153558
NISHIMURA, Shoji	(51) H02K 3/24	(32) 13.01.2014
(31) 2017169664	H02K 3/52	(33) United States of America
(32) 04.09.2017	H02K 9/19	(51) H02M 1/36
(33) Japan	(11) EP3713051	G05F 1/565
(51) H02J 7/00	(21) EP19213116.7	(11) EP3872973
H01M 10/42	(47) 21.09.2022	(21) EP19933208.1
H01M 10/48	(22) 03.12.2019	(47) 21.09.2022
G01R 31/327	(54) ROTOR ASSEMBLY AND METHOD OF	(87) CN2019128836
G01R 31/36	COOLING	01.07.2021
(11) EP3444624	(73) Hamilton Sundstrand Corporation	(22) 26.12.2019
(21) EP17880124.7	(72) LARSON, Eric Alan	(54) REGULATOR AND CHIP
(47) 21.09.2022	LEMMERS, Glenn C. Jr.	(73) SHENZHEN GOODIX TECHNOLOGY
(87) KR2017014589	MANOGUE, Brady A.	CO., LTD.
21.06.2018	(31) 201916361585	(72) WANG, Chengzuo
(22) 12.12.2017	(32) 22.03.2019	(51) H02M 3/155
(54) APPARATUS FOR DIAGNOSING	(33) United States of America	H02M 1/08
RELAY FAILURE OF BATTERY USING	(51) H02K 11/21	H02M 1/00
PARALLEL CIRCUIT FOR CONSTANT	H02K 11/35	H02M 7/00
POWER SUPPLY AND METHOD	G01H 1/00	(11) EP3764529
THEREOF	(11) EP3477828	(21) EP18909189.5
(73) LG Energy Solution, Ltd.	(21) EP18200822.7	(47) 21.09.2022
(72) PARK, Jong-Il	(47) 21.09.2022	(87) JP2018008821
GIL, You-Seob	(22) 16.10.2018	12.09.2019
AN, Sun-Mo	(54) ROTATING ELECTRICAL MACHINE	(22) 07.03.2018
(31) 20160168495	AND DIAGNOSTIC METHOD FOR THE	(54) METHOD FOR CONTROLLING
(32) 12.12.2016	SAME	RESONANT POWER CONVERSION
(33) Korea (Republic)	(73) Mitsubishi Heavy Industries, Ltd.	DEVICE, RESONANT POWER
(51) H02J 50/80	(72) SEKINE, Yuichi	CONVERSION DEVICE, AND DC-DC
H02J 50/60	SUZUKI, Keiji	CONVERTER
H02J 50/10	KUMANO, Keisuke	(73) NISSAN MOTOR CO., LTD.
H02J 50/12	KURIHARA, Tamami	(72) KAI, Toshihiro
(11) EP3493367	TAKAHASHI, Yuichi	YAMAGAMI, Shigeharu
(21) EP18207349.4	(31) 2017206955	HAYASHI, Tetsuya
(47) 21.09.2022	(32) 26.10.2017	ZUSHI, Yusuke
(22) 20.11.2018	(33) Japan	SHIMOMURA, Taku
(54) FOREIGN OBJECT DETECTION	(51) H02K 23/26	(51) H02M 3/28
CIRCUIT FOR WIRELESS CHARGER	H02K 3/28	H02M 1/40
(73) NXP USA, Inc.	H02K 13/04	H02M 3/335
(72) Chen, Fei	H02K 15/09	H02M 1/00
Li, Gang	H02K 23/38	(11) EP3734822
Zhao, Ping	(11) EP3739735	(21) EP19171648.9
(31) 201711239973	(21) EP18899599.7	(47) 21.09.2022
(32) 30.11.2017	(47) 21.09.2022	(22) 29.04.2019
(33) China	(87) JP2018040278	(54) METHODS AND APPARATUS
(51) H02K 1/276	18.07.2019	FOR ACTIVE FLUX CONTROL
(11) EP3457534	(22) 30.10.2018	OF AN OUTPUT TRANSFORMER
(21) EP18194097.4	(54) MOTOR	CONNECTED TO A POWER
(47) 21.09.2022	(73) Mitsuba Corporation	CONVERTER
(22) 12.09.2018	(72) OGATA Naoki	(73) GE Energy Power Conversion
(54) ROTATING ELECTRIC MACHINE	SHIODA Naoki	Technology Ltd.
(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(31) 2018002168	(72) Bonilla Alarcon, Julian Eduardo
(72) SANO, Shinya	(32) 10.01.2018	(51) H02M 3/335
HATTORI, Hiroyuki	(33) Japan	G08C 17/06
YAGYU, Yasuhide	(51) H02M 1/08	(11) EP3544166
KADOTA, Takanori	H02M 5/293	(21) EP18163249.8
(31) 2017177895	H02M 5/257	(47) 21.09.2022
(32) 15.09.2017	(11) EP3095182	(22) 22.03.2018
(33) Japan	(21) EP15735260.0	(54) AUXILIARY SUPPLY FOR A POWER
(51) H02K 3/20	(47) 21.09.2022	SUPPLY
(11) EP3086445	(87) US2015010225	(73) Siemens Aktiengesellschaft
(21) EP15164691.6	16.07.2015	(72) Reschenauer, Stefan
(47) 21.09.2022	(22) 06.01.2015	

(51) H02M 3/335 H02M 3/337	(72) Uhlendorf, Rüdiger Poole, Garry Mason, George Kao, Ted	(87) JP2018016015 24.10.2019
(11) EP3625885		(22) 18.04.2018
(21) EP18727605.0		(54) POLYPHASE FILTER
(47) 21.09.2022	(51) H02P 29/40	(73) Mitsubishi Electric Corporation
(87) US2018032040	(11) EP3678290	(72) TSURU, Masaomi
22.11.2018	(21) EP18851116.6	(51) H03H 21/00
(22) 10.05.2018	(47) 21.09.2022	H03K 5/1252
(54) SYSTEMS AND METHODS FOR SELF- ADAPTIVE CURRENT CONTROL	(87) JP2018027582	(11) EP3764542
(73) Cummins Power Generation IP, Inc.	07.03.2019	(21) EP19193785.3
(72) MURTHY-BELLUR, Subbarao Dakshina YANG, Heng CAI, Minyu	(22) 24.07.2018	(47) 21.09.2022
(31) 201715595508	(54) MOTOR DRIVING DEVICE	(22) 27.08.2019
(32) 15.05.2017	(73) Panasonic Intellectual Property Management Co., Ltd.	(54) SIGNAL ENHANCER AND METHOD FOR WEAK AND BLIND SIGNAL DENOISING AND EXTRACTING
(33) United States of America	(72) IMADA, Yusuke SUZUKI, Ken'ichi	(73) Harbin Institute of Technology, Shenzhen Harbin Institute Of Technology
(51) H02P 1/04	(31) 2017164503	(72) SHEN, Yi
H02P 1/28	(32) 29.08.2017	HAO, Qiushi
(11) EP3758214	(33) Japan	WANG, Yan
(21) EP19182235.2	(51) H03F 1/22	ZHANG, Xin
(47) 21.09.2022	H03F 1/56	WANG, Kangwei
(22) 25.06.2019	H03F 3/193	LOU, Yunjiang
(54) MOTOR STARTER AND METHOD FOR STARTING AN ELECTRIC MOTOR	H03F 3/45	(31) 201910618437
(73) Siemens Aktiengesellschaft	(11) EP3972127	(32) 10.07.2019
(72) Böke, Willi	(21) EP20197129.8	(33) China
(51) H02P 9/00	(47) 21.09.2022	(51) H03K 3/38
H02P 9/08	(22) 21.09.2020	G06N 99/00
H02P 9/30	(54) IMPEDANCE CONTROL IN MERGED STACKED FET AMPLIFIERS	(11) EP3718209
H02P 5/74	(73) pSemi Corporation	(21) EP18700470.0
H02P 6/20	(72) RANTA, Tero Tapio	(47) 21.09.2022
H02P 1/54	(51) H03F 3/68	(87) EP2018050247
H02P 1/56	H04R 5/04	06.06.2019
H02J 3/40	H03F 1/30	(22) 05.01.2018
H02P 9/14	H03F 3/181	(54) ISOLATION OF FREQUENCY MULTIPLEXED MICROWAVE SIGNALS USING CASCADING MULTI-PATH INTERFEROMETRIC JOSEPHSON ISOLATORS WITH NONOVERLAPPING BANDWIDTHS
(11) EP3217534	(11) EP3813257	(73) International Business Machines Corporation
(21) EP16203399.7	(21) EP20171500.0	(72) ABDO, Baleegh
(47) 21.09.2022	(47) 21.09.2022	(31) 201715829054
(22) 12.12.2016	(22) 27.04.2020	(32) 01.12.2017
(54) SYNCHRONOUS ELECTRIC POWER DISTRIBUTION STARTUP SYSTEM	(54) STEREO AUDIO DEVICE OF MOBILE TERMINAL	(33) United States of America
(73) Rolls-Royce North American Technologies, Inc.	(73) Beijing Xiaomi Mobile Software Co., Ltd.	(51) H03K 3/57
(72) Blackwelder, Mark Jon Rancuret, Paul M	(72) SUN, Changyu	B82Y 20/00
(31) 201615367023	(31) 201911012211	B82Y 10/00
201662369191 P	(32) 23.10.2019	B82Y 30/00
201562267143 P	(33) China	G02B 6/42
(32) 01.12.2016	(51) H03G 3/30	G02F 1/1333
31.07.2016	H04B 1/00	(11) EP2348635
14.12.2015	H04B 1/12	(21) EP11151214.1
(33) United States of America	(11) EP3750240	(47) 21.09.2022
United States of America	(21) EP20720148.4	(22) 18.01.2011
United States of America	(47) 21.09.2022	(54) Electromagnetic interference-resistant control device and method
(51) H02P 27/04	(87) US2020020854	(73) The Boeing Company
F25B 49/02	10.09.2020	(72) Weaver, Thomas L.
H02M 5/458	(22) 04.03.2020	Morris, Charles E.
H02P 1/42	(54) RECEIVER AUTOMATIC GAIN CONTROL SYSTEMS AND METHODS	(31) 689490
H02P 1/44	(73) Ciena Corporation	(32) 19.01.2010
(11) EP3273595	(72) LUK, Tom	(33) United States of America
(21) EP16180375.4	HARTMAN, Ron	(51) H03K 17/30
(47) 21.09.2022	(31) 201916291036	H03K 19/003
(22) 20.07.2016	(32) 04.03.2019	H03K 19/00
(54) DEVICE FOR DRIVING A REFRIGERATOR COMPRESSOR, SYSTEM AND USE	(33) United States of America	G05F 1/573
(73) Eppendorf SE	(51) H03H 7/21	
	(11) EP3767828	
	(21) EP18915138.4	
	(47) 21.09.2022	

G05F 3/26	21.12.2017	NILSSON, Andreas
(11) EP3565120	(22) 06.06.2017	(31) 201762520078 P
(21) EP19170463.4	(54) ENCODING OF PUNCTURED POLAR	201662417785 P
(47) 21.09.2022	CODES	(32) 15.06.2017
(22) 23.04.2019	(73) Huawei Technologies Co., Ltd.	04.11.2016
(54) CIRCUIT AND METHOD FOR	(72) ZHANG, Ran	(33) United States of America
REDUCING CURRENT LEAKAGE	SHI, Wuxian	United States of America
DURING A LOW-POWER OR INACTIVE	CHENG, Nan	(51) H04B 7/06
MODE	GE, Yiqun	H04B 7/0413
(73) Analog Devices International Unlimited	(31) 201715607591	H04W 72/04
Company	201662351438 P	H04L 5/00
(72) GANESAN, Sriram	(32) 29.05.2017	H04W 74/08
SINGH, Amit Kumar	17.06.2016	(11) EP3620000
PAL, Nilanjan	(33) United States of America	(21) EP18724059.3
KUTTAN, Nitish	United States of America	(47) 21.09.2022
(31) 201815969204	(51) H03M 13/27	(87) US2018029251
(32) 02.05.2018	H03M 13/29	08.11.2018
(33) United States of America	H03M 13/03	(22) 25.04.2018
(51) H03K 17/687	H03M 13/11	(54) TRANSMISSION ADAPTATION AND
H03K 17/041	H03M 13/25	GRANT-FREE ACCESS
H02M 7/483	(11) EP3706317	(73) IDAC Holdings, Inc.
(11) EP3590190	(21) EP18871979.3	(72) STERN-BERKOWITZ, Janet A.
(21) EP18706757.4	(47) 21.09.2022	LEE, Moon-il
(47) 21.09.2022	(87) JP2018038585	TOOHER, J. Patrick
(87) EP2018054826	09.05.2019	DEMIR, Alpaslan
07.09.2018	(22) 17.10.2018	GOYAL, Sanjay
(22) 27.02.2018	(54) TRANSMISSION AND RECEPTION	BELURI, Mihaela C.
(54) POWER ISOLATING SWITCHING CELL	USING LDPC CODES OF LENGTH	(31) 201762500533 P
(73) Thales	17280 WITH CODE RATES OF 11/16	(32) 03.05.2017
Commissariat à l'Énergie Atomique et	AND 12/16	(33) United States of America
aux Énergies Alternatives	(73) Sony Group Corporation	(51) H04B 7/06
Université de Limoges	(72) YAMAMOTO, Makiko	H04W 24/04
(72) JARDEL, Olivier	SHINOHARA, Yuji	(11) EP3512235
QUERE, Raymond	(31) 2017209877	(21) EP18802249.5
PIOTROWICZ, Stéphane	(32) 31.10.2017	(47) 21.09.2022
BOUYASSE, Philippe	(33) Japan	(87) CN2018086921
DELAGE, Sylvain	(51) H04B 3/32	22.11.2018
MARTIN, Audrey	H04B 7/06	(22) 15.05.2018
(31) 1700205	(11) EP3754860	(54) COMMUNICATION METHODS AND
(32) 02.03.2017	(21) EP20180585.0	DEVICES
(33) France	(47) 21.09.2022	(73) Huawei Technologies Co., Ltd.
(51) H03M 13/03	(22) 17.06.2020	(72) GUAN, Peng
H03M 13/11	(54) LOW-COMPLEXITY BEAMFORMING	ZHANG, Xi
H03M 13/25	FOR A MULTI-LINE COMMUNICATION	HUANG, Huang
H03M 13/27	SYSTEM	(31) 201710339770
H03M 13/29	(73) Nokia Solutions and Networks Oy	(32) 15.05.2017
(11) EP3706321	(72) TSIAFLAKIS, Paschalis	(33) China
(21) EP18874205.0	MAES, Jochen	(51) H04B 10/61
(47) 21.09.2022	COOMANS, Werner	(11) EP3926860
(87) JP2018038611	NUZMAN, Carl	(21) EP21172055.2
09.05.2019	(31) 201916442952	(47) 21.09.2022
(22) 17.10.2018	(32) 17.06.2019	(22) 04.05.2021
(54) TRANSMISSION AND RECEPTION	(33) United States of America	(54) TRAINING-AIDED FEEDFORWARD
USING LDPC CODES OF LENGTH	(51) H04B 7/024	CHANNEL EQUALIZATION
17280 WITH CODE RATES OF 7/16	H04B 7/06	(73) Ciena Corporation
AND 8/16	H04W 72/04	(72) BABAEE, Ramin
(73) Sony Group Corporation	(11) EP3696988	OVEIS GHARAN, Shahab
(72) YAMAMOTO Makiko	(21) EP19217471.2	BOUCHARD, Martin
SHINOHARA Yuji	(47) 21.09.2022	ROBERTS, Kim B.
(31) 2017209875	(22) 03.11.2017	(31) 202016903792
(32) 31.10.2017	(54) METHODS AND SYSTEMS FOR	(32) 17.06.2020
(33) Japan	BEAM TRACKING PROCESS	(33) United States of America
(51) H03M 13/13	MANAGEMENT USING INDICES AND	(51) H04B 10/61
H04L 1/00	CORRESPONDING SYSTEMS	H04B 10/54
(11) EP3459180	(73) Telefonaktiebolaget LM Ericsson (publ)	H04B 10/556
(21) EP17812605.8	(72) GRANT, Stephen	(11) EP3804174
(47) 21.09.2022	FRENNE, Mattias	(21) EP19737224.6
(87) CN2017087351	KARIPIDIS, Eleftherios	(47) 21.09.2022

(87) IB2019054204 12.12.2019	(54) METHOD, APPARATUS AND SYSTEM FOR TRANSMITTING AND RECEIVING CONTROL CHANNEL OF WIRELESS COMMUNICATION SYSTEM	(21) EP15803924.8 (47) 21.09.2022 (87) CN2015075409 10.12.2015
(22) 21.05.2019	(73) Wilus Institute of Standards and Technology Inc.	(22) 30.03.2015
(54) DIMENSIONAL TRANSFORMATION IN OPTICAL COMMUNICATION	(72) CHOI, Kyungjun NOH, Minseok KWAK, Jinsam	(54) DATA PACKET PROCESSING METHOD AND DEVICE
(73) Ciena Corporation	(31) 20170133163 20170127243 20170057103 20170045528 20170037977	(73) ZTE Corporation (72) LI, Liguang XU, Jun XU, Jin YUAN, Zhifeng
(72) KHANDANI, Amir OVEIS GHARAN, Shahab REIMER, Michael O'SULLIVAN, Maurice ROBERTS, Kim	(32) 13.10.2017 29.09.2017 05.05.2017 07.04.2017 24.03.2017	(31) 201410458311 (32) 10.09.2014 (33) China
(31) 201816003736 (32) 08.06.2018 (33) United States of America	(32) H04B 17/12 H04B 17/10 H04B 7/06 H04B 17/14	(51) H04L 1/00 H03M 13/27 H04L 5/00
(51) H04B 17/12 H04B 17/10 H04B 7/06 H04B 17/14	(33) Korea (Republic) Korea (Republic) Korea (Republic) Korea (Republic) Korea (Republic)	(11) EP3738238 (21) EP19704875.4 (47) 21.09.2022 (87) IB2019050201 18.07.2019
(11) EP3664322 (21) EP17922292.2 (47) 21.09.2022 (87) KR2017014799 28.02.2019	(51) H04J 11/00 H04L 5/00 H04L 1/00	(22) 10.01.2019 (54) WIRELESS COMMUNICATION BLOCK INTERLEAVING
(22) 15.12.2017	(11) EP3753139 (21) EP19707646.6 (47) 21.09.2022 (87) US2019018037 22.08.2019	(73) Telefonaktiebolaget LM Ericsson (publ) (72) LIN, Xingqin CHENG, Jung-Fu PARKVALL, Stefan KOORAPATY, Havish
(54) DEVICE AND METHOD FOR CALIBRATING PHASED ARRAY ANTENNA	(22) 14.02.2019	(31) 201862616828 P (32) 12.01.2018 (33) United States of America
(73) Samsung Electronics Co., Ltd. (72) DAO, Manh-Tuan KIM, Yonghoon AOKI, Yuichi	(54) VARIABLE SPREADING FACTOR CODES FOR NON-ORTHOGONAL MULTIPLE ACCESS	(51) H04L 1/00 H04L 1/18
(31) 20170106751 (32) 23.08.2017 (33) Korea (Republic)	(73) QUALCOMM INCORPORATED (72) PARK, Seyong LEI, Jing WANG, Renjiu SORIAGA, Joseph Binamira BHUSHAN, Naga Ji, Tingfang	(11) EP3731443 (21) EP19740706.7 (47) 21.09.2022 (87) CN2019071823 25.07.2019
(51) H04J 1/00 H04B 3/54	(31) 201916274307 201862631481 P (32) 13.02.2019 15.02.2018 (33) United States of America United States of America	(22) 15.01.2019 (54) DATA TRANSMISSION METHOD, DEVICE AND SYSTEM FOR DETERMINING A MOTHER CODE LENGTH OF A POLAR CODE BASED ON A PUNCTURING THRESHOLD
(11) EP3761532 (21) EP19757066.6 (47) 21.09.2022 (87) JP2019007151 29.08.2019	(31) 2018032591 (32) 26.02.2018 (33) Japan	(73) HUAWEI TECHNOLOGIES CO., LTD. (72) CHEN, Ying LUO, Hejia ZHANG, Gongzheng LI, Rong WANG, Jun
(22) 25.02.2019	(87) US2020053755 19.08.2021	(31) 201810041373 (32) 16.01.2018 (33) China
(54) COMMUNICATION DEVICE AND COMMUNICATION SIGNAL GENERATION METHOD	(22) 01.10.2020	(51) H04L 1/00 H04L 5/00
(73) Panasonic Intellectual Property Management Co., Ltd. (72) KOGA, Hisao YONEKURA, Makoto IKEDA, Koji	(54) SWAPPING BUNDLES OF OPTICAL CHANNELS IN A C+L BAND SYSTEM BASED ON FREQUENCY BAND SENSITIVITY	(11) EP3707841 (21) EP18836551.4 (47) 21.09.2022 (87) US2018060156 16.05.2019
(31) 2018032591 (32) 26.02.2018 (33) Japan	(73) Ciena Corporation (72) AL SAYED, Choudhury, A. XU, Yanping	(22) 09.11.2018 (54) METHODS AND APPARATUSES FOR FREQUENCY DIVISION MULTIPLEXING FOR MIXED NUMEROLOGY
(51) H04J 3/16 H04B 7/26 H04W 72/12 H04W 72/04 H04L 27/26 H04L 5/00 H04W 56/00 H04L 5/14	(31) 202016788453 (32) 12.02.2020 (33) United States of America	
(11) EP3605885 (21) EP18771010.8 (47) 21.09.2022 (87) KR2018003561 27.09.2018 (22) 26.03.2018	(51) H04L 1/00 (11) EP3193472	

(73) QUALCOMM Incorporated	(73) QUALCOMM Incorporated	(87) KR2018005229
(72) AKKARAKARAN, Sony	(72) ZHANG, Xiaoxia	08.11.2018
LUO, Tao	TIAN, Qingjiang	(22) 04.05.2018
CHEN, Wanshi	SUN, Jing	(54) METHOD FOR TRANSMITTING
(31) 201816184853	(31) 201816215988	UPLINK SIGNAL IN WIRELESS
201762584108 P	201862616867 P	COMMUNICATION SYSTEM AND
(32) 08.11.2018	(32) 11.12.2018	DEVICE THEREFOR
09.11.2017	12.01.2018	(73) LG Electronics Inc.
(33) United States of America	(33) United States of America	(72) LEE, Hyunho
United States of America	United States of America	YI, Yunjung
(51) H04L 1/00	(51) H04L 1/18	HWANG, Daesung
H04L 5/00	(11) EP3491759	(31) 201762575284 P
(11) EP3706344	(21) EP17777884.2	201762565084 P
(21) EP18872477.7	(47) 21.09.2022	201762535946 P
(47) 21.09.2022	(87) EP2017074787	201762507156 P
(87) CN2018113823	05.04.2018	201762503920 P
09.05.2019	(22) 29.09.2017	201762501727 P
(22) 02.11.2018	(54) NODE FOR A RADIO	(32) 20.10.2017
(54) COMMUNICATION METHOD AND	COMMUNICATION NETWORK AND	28.09.2017
APPARATUS	OPERATING METHOD	23.07.2017
(73) Huawei Technologies Co., Ltd.	(73) Telefonaktiebolaget LM Ericsson (publ)	16.05.2017
(72) GUO, Zhiheng	(72) SIOMINA, Iana	09.05.2017
XIE, Xinqian	BALDEMAIR, Robert	04.05.2017
SHEN, Zukang	KAZMI, Muhammad	(33) United States of America
LONG, Yi	(31) 201662402432 P	United States of America
ZHAO, Yang	(32) 30.09.2016	United States of America
WAN, Lei	(33) United States of America	United States of America
MAZZARESE, David Jean-Marie	(51) H04L 1/18	United States of America
(31) 201711066692	H04L 1/00	United States of America
(32) 02.11.2017	(11) EP3695541	(51) H04L 5/00
(33) China	(21) EP18796112.3	(11) EP3272056
(51) H04L 1/08	(47) 21.09.2022	(21) EP16712568.1
H04L 1/18	(87) IB2018057783	(47) 21.09.2022
H04L 1/22	18.04.2019	(87) US2016018946
H04W 24/10	(22) 08.10.2018	22.09.2016
H04W 76/15	(54) PUCCH CONFIGURATION WITH HARQ	(22) 22.02.2016
H04L 1/00	CODEBOOK SIZE	(54) LOAD-AWARE CHANNEL STATE
(11) EP3554166	(73) Telefonaktiebolaget LM Ericsson (publ)	REFERENCE SIGNAL TRANSMISSION
(21) EP18739024.0	(72) BALDEMAIR, Robert	(73) Qualcomm Incorporated
(47) 21.09.2022	CHEN LARSSON, Daniel	(72) CHANDE, Vinay
(87) KR2018000696	(31) 201762570420 P	PATEL, Chirag Sureshbhai
19.07.2018	(32) 10.10.2017	KHOSHNEVISAN, Mostafa
(22) 15.01.2018	(33) United States of America	Ji, Tingfang
(54) METHODS AND DEVICES FOR	(51) H04L 1/18	(31) 201514660712
TRANSMITTING DATA PACKET IN	H04L 1/16	(32) 17.03.2015
WIRELESS COMMUNICATION SYSTEM	(11) EP3621234	(33) United States of America
(73) Samsung Electronics Co., Ltd.	(21) EP18795084.5	(51) H04L 5/00
(72) MOK, Youngjoong	(47) 21.09.2022	(11) EP3654571
BAEK, Sangkyu	(87) CN2018079029	(21) EP19205732.1
HWANG, June	08.11.2018	(47) 21.09.2022
KANG, Hyunjeong	(22) 14.03.2018	(22) 15.06.2010
KWON, Sangwook	(54) METHOD AND DEVICE FOR	(54) SYSTEM AND METHOD FOR SHARING
(31) 20170015187	DETERMINING WHETHER DATA IS	A CONTROL CHANNEL FOR CARRIER
20170006438	DAMAGED	AGGREGATION
(32) 02.02.2017	(73) Datang Mobile Communications	(73) GUANGDONG OPPO MOBILE
13.01.2017	Equipment Co., Ltd.	TELECOMMUNICATIONS CORP., LTD.
(33) Korea (Republic)	(72) GAO, Xuejuan	(72) MCBEATH, Sean Michael
Korea (Republic)	TONY, Ekpenyong	FONG, Mo-Han
(51) H04L 1/16	CHENG, Fang-Chen	CAI, Zhijun
H04L 1/18	(31) 201710314194	EARNSHAW, Andrew Mark
(11) EP3738241	(32) 05.05.2017	HEO, Youn Hyoung
(21) EP18839785.5	(33) China	(31) 33015710 P
(47) 21.09.2022	(51) H04L 1/18	25852509 P
(87) US2018065141	H04L 5/00	18707009 P
18.07.2019	H04W 52/14	(32) 30.04.2010
(22) 12.12.2018	(11) EP3637878	05.11.2009
(54) TIMING CONSIDERATIONS FOR AUL-	(21) EP18794249.5	15.06.2009
DFI	(47) 21.09.2022	(33) United States of America

United States of America	(54) SYSTEMS AND METHODS TO	United States of America
United States of America	VERIFY TRIGGER KEYWORDS	(51) H04L 9/40
(51) H04L 5/00	IN ACOUSTIC-BASED DIGITAL	H04L 9/08
H04W 72/04	ASSISTANT APPLICATIONS	H04W 12/106
H04J 1/00	(73) Google LLC	H04W 12/108
H04J 11/00	(72) MAXWELL, Alex	H04W 12/02
H04W 24/10	(51) H04L 9/40	H04L 9/32
H04W 16/14	(11) EP3493088	H04W 12/033
H04W 74/08	(21) EP18206339.6	(11) EP3632073
H04W 72/08	(47) 21.09.2022	(21) EP17731351.7
(11) EP3261396	(22) 14.11.2018	(47) 21.09.2022
(21) EP16752567.4	(54) SECURITY GESTURE	(87) US2017035642
(47) 21.09.2022	AUTHENTICATION	06.12.2018
(87) JP2016054782	(73) NCR Corporation	(22) 02.06.2017
25.08.2016	(72) HECKER, Weston Lee	(54) TRUSTWORTHY DATA EXCHANGE
(22) 19.02.2016	VELTMAN, Nir	USING DISTRIBUTED DATABASES
(54) TERMINAL, SYSTEM AND METHOD	LICHT, Yehoshua Zvi	(73) Intuit Inc.
FOR CARRIER AGGREGATION	(31) 201715825295	(72) SCOTT, Glenn
(73) NTT DOCOMO, INC.	(32) 29.11.2017	GABRIEL, Michael R.
(72) HARADA, Hiroki	(33) United States of America	LINGAMPALLY, Parikshit
TAKEDA, Kazuki	(51) H04L 9/40	MEIKE, Roger
TAKEDA, Kazuaki	(11) EP3429161	PANCHEVRE, Ian
UCHINO, Tooru	(21) EP18181275.1	(31) 201715610128
NAGATA, Satoshi	(47) 21.09.2022	(32) 31.05.2017
(31) 2015030784	(22) 02.07.2018	(33) United States of America
(32) 19.02.2015	(54) A NETWORK SWITCH FOR	(51) H04L 9/40
(33) Japan	AUDITING COMMUNICATIONS ON A	H04L 67/02
(51) H04L 5/00	DETERMINISTIC NETWORK	H04L 67/10
H04W 72/12	(73) GE Aviation Systems Limited	H04L 67/01
H04W 84/04	(72) SCHWINDT, Stefan Alexander	H04L 69/22
(11) EP3713146	(31) 201711054	H04L 69/16
(21) EP20174825.8	(32) 10.07.2017	H04L 49/00
(47) 21.09.2022	(33) United Kingdom	(11) EP3459224
(22) 22.03.2018	(51) H04L 9/40	(21) EP18722166.8
(54) SLOT FORMAT INDICATOR (SFI)	G06F 21/36	(47) 21.09.2022
AND SLOT AGGREGATION LEVEL	G06F 21/31	(87) GB2018051111
INDICATION IN GROUP COMMON	G06F 21/32	06.12.2018
PDCCH AND SFI CONFLICT	H04L 9/32	(22) 27.04.2018
HANDLING	(11) EP3754903	(54) WEB SERVER SECURITY
(73) QUALCOMM Incorporated	(21) EP20190948.8	(73) Garrison Technology Ltd
(72) LEE, Heechoon	(47) 21.09.2022	(72) HARRISON, Henry
CHEN, Wanshi	(22) 05.05.2017	(31) 201708750
SUN, Jing	(54) SYSTEMS AND METHODS FOR	(32) 01.06.2017
(31) 201815927716	DISTINGUISHING AMONG HUMAN	(33) United Kingdom
201762476634 P	USERS AND SOFTWARE ROBOTS	(51) H04L 9/40
(32) 21.03.2018	(73) Mastercard Technologies Canada ULC	H04W 12/69
24.03.2017	(72) Bailey, Christopher Everett	H04W 12/02
(33) United States of America	Lukashuk, Randy	(11) EP3766268
United States of America	Cunningham, Jonathan	(21) EP19707345.5
(51) H04L 9/08	(51) H04L 9/40	(47) 21.09.2022
(11) EP3375129	G06Q 50/22	(87) EP2019054387
(21) EP15817098.5	G16H 40/20	19.09.2019
(47) 21.09.2022	G06F 21/60	(22) 21.02.2019
(87) EP2015079006	(11) EP3485627	(54) METHODS AND DEVICES FOR
15.06.2017	(21) EP17827092.2	TRANSMITTING AND IDENTIFYING
(22) 08.12.2015	(47) 21.09.2022	RADIO IDENTIFIERS
(54) METHOD FOR RE-KEYING AN	(87) IB2017054184	(73) Bayerische Motoren Werke
ENCRYPTED DATA FILE	18.01.2018	Aktiengesellschaft
(73) NEC Corporation	(22) 11.07.2017	(72) SALFER, Martin
(72) KARAME, Ghassan	(54) MANAGING PERMISSIONS	(31) 102018203949
(51) H04L 9/08	(73) Lifetrack Medical Systems Private Ltd.	(32) 15.03.2018
(11) EP3785396	(72) SCHULZE, Eric	(33) Germany
(21) EP19749071.7	REES, Brendan Philip	(51) H04L 12/26
(47) 21.09.2022	(31) 201715635089	H05B 45/00
(87) US2019042263	201615209486	H05B 45/20
21.01.2021	(32) 27.06.2017	H05B 47/105
(22) 17.07.2019	13.07.2016	H05B 47/19
	(33) United States of America	H05B 45/37

F21S 2/00	ANZAI, Jun	(51) H04L 27/26
F21V 23/04	MATSUSHIMA, Hideki	(11) EP3337114
H04W 56/00	HAGA, Tomoyuki	(21) EP16306691.3
H04W 84/18	(31) 2017096138	(47) 21.09.2022
(11) EP3262899	2016148990	(22) 15.12.2016
(21) EP16709890.4	(32) 15.05.2017	(54) COMBINING DIFFERENT OFDM
(47) 21.09.2022	28.07.2016	NUMEROLOGIES IN ONE BAND
(87) US2016020050	(33) Japan	(73) Alcatel Lucent
01.09.2016	Japan	(72) Rheinschmitt, Rupert
(22) 29.02.2016	(51) H04L 12/46	Fuchs, Rolf
(54) SYNCHRONIZED LIGHT CONTROL	(11) EP3694173	(51) H04L 27/34
OVER A WIRELESS NETWORK	(21) EP19192652.6	(11) EP3737062
(73) Xicato, Inc.	(47) 21.09.2022	(21) EP20171984.6
(72) HARBERS, Gerard	(22) 20.08.2019	(47) 21.09.2022
LOVERIDGE, Barry, Mark	(54) ISOLATING APPLICATIONS	(22) 29.04.2020
MUELLER, Martin, Emil	ASSOCIATED WITH MULTIPLE	(54) A METHOD OF OPERATING
HUSHLEY, Jeffrey, P.	TENANTS WITHIN A COMPUTING	A RADIO TRANSMITTER AND
(31) 201615055298	PLATFORM	CORRESPONDING RADIO
201562145406 P	(73) Palantir Technologies Inc.	TRANSMITTER
201562126341 P	(72) DeArment, Greg	(73) STMicroelectronics S.r.l.
(32) 26.02.2016	Arora, Divyanshu	(72) TOMASONI, Mr. Alessandro
09.04.2015	Hoch, Jason	LO IACONO, Mr. Daniele
27.02.2015	Elliot, Mark	OSNATO, Mr. Fabio
(33) United States of America	Williamson, Matthew	(31) 201900006609
United States of America	Kruszewski, Robert	(32) 07.05.2019
United States of America	Austin, Steven	(33) Italy
(51) H04L 12/28	(31) 201962803257 P	(51) H04L 27/34
(11) EP3672160	(32) 08.02.2019	H03M 13/11
(21) EP19216782.3	(33) United States of America	H03M 13/25
(47) 21.09.2022	(51) H04L 25/03	H04L 1/00
(22) 17.12.2019	(11) EP3675442	(11) EP3751810
(54) INTERNET OF THINGS CONNECTIVITY	(21) EP19219963.6	(21) EP20188709.8
DEVICE AND METHOD	(47) 21.09.2022	(47) 21.09.2022
(73) ORANGE	(22) 30.12.2019	(22) 19.05.2015
(72) GAWDA, Konrad	(54) METHOD FOR AUTOMATICALLY	(54) COMMUNICATION METHOD AND
(31) 18306745	ADJUSTING THE GAIN OF A MULTI-	COMMUNICATION DEVICE
(32) 19.12.2018	STAGE EQUALIZER OF A SERIAL	(73) Panasonic Holdings Corporation
(33) European Patent Office (EPO)	DATA RECEIVER	(72) KLENNER, Peter
(51) H04L 12/28	(73) Amlogic (Shanghai) Co., Ltd.	HERRMANN, Frank
G06F 3/06	(72) ZOU, Weihua	KIMURA, Tomohiro
G06F 21/60	SHI, Ming	(31) 2015090218
G06F 1/26	(31) 201811642608	14169535
G06F 13/10	(32) 29.12.2018	(32) 27.04.2015
(11) EP3479529	(33) China	22.05.2014
(21) EP16918059.3	(51) H04L 27/20	(33) Japan
(47) 21.09.2022	H04B 10/00	European Patent Office (EPO)
(87) US2016054901	H04B 10/69	(51) H04L 27/36
05.04.2018	H04L 25/40	H04L 27/38
(22) 30.09.2016	H04L 27/18	H03M 7/30
(54) SAFE PERIPHERAL DEVICE	H04B 1/00	H03M 7/40
COMMUNICATIONS	H04B 1/10	H04L 1/00
(73) Hewlett-Packard Development Company,	H04B 1/16	H04B 1/66
L.P.	H04L 27/00	(11) EP3729756
(72) JEANSONNE, Jeffrey K.	H04B 1/04	(21) EP17825984.2
PRINDLE, Justin C.	(11) EP3430778	(47) 21.09.2022
(51) H04L 12/40	(21) EP17767681.4	(87) SE2017051302
H04W 4/40	(47) 21.09.2022	27.06.2019
(11) EP3748919	(87) US2017023089	(22) 20.12.2017
(21) EP20187329.6	21.09.2017	(54) METHODS, DECODER AND ENCODER
(47) 21.09.2022	(22) 17.03.2017	FOR HANDLING A DATA STREAM FOR
(22) 02.06.2017	(54) MULTI-CHANNEL, MULTI-BAND	TRANSMISSION BETWEEN A REMOTE
(54) FRAME TRANSMISSION PREVENTION	LINEARIZED DIGITAL TRANSCEIVERS	UNIT AND A BASE UNIT OF A BASE
APPARATUS, FRAME TRANSMISSION	(73) Jariet Technologies, Inc.	STATION SYSTEM
PREVENTION METHOD, AND IN-	(72) HORNBUCKLE, Craig A.	(73) Telefonaktiebolaget LM Ericsson (PUBL)
VEHICLE NETWORK SYSTEM	GHAZIKHANIAN, Leo	(72) BERG, Miguel
(73) Panasonic Intellectual Property	(31) 201662310579 P	LU, Chenguang
Corporation of America	(32) 18.03.2016	BÖRJESSON, Per Ola
(72) UJIIE, Yoshihiro	(33) United States of America	CEDERHOLM, Daniel

TROJER, Elmar	(72) K, Faseela	CHENG, Chao
(51) H04L 41/04	C H, Vyshakh Krishnan	(31) 201410134292
H04L 43/024	(51) H04L 45/50	(32) 03.04.2014
H04L 43/04	H04L 67/63	(33) China
H04L 12/46	H04L 9/40	(51) H04L 67/00
H04L 45/50	(11) EP3726786	(11) EP3846413
H04L 41/34	(21) EP19767599.4	(21) EP20150263.0
H04L 41/40	(47) 21.09.2022	(47) 21.09.2022
H04L 43/20	(87) CN2019077392	(22) 03.01.2020
H04L 43/0811	19.09.2019	(54) METHOD AND APPARATUS
H04L 43/0817	(22) 08.03.2019	FOR INSTALLING A NETWORK-
H04L 43/0829	(54) METHOD AND APPARATUS FOR	CONNECTABLE DEVICE
H04L 43/0852	TRANSMITTING APPLICATION	(73) Withings
H04L 43/087	PROGRAMMING INTERFACE (API)	(72) CARREEL, Eric
H04L 43/10	REQUEST	SAADI, Rachid
H04L 41/0686	(73) Huawei Technologies Co., Ltd.	BORCHANI, Elias
(11) EP3366006	(72) LU, Xin	KACI, Salah
(21) EP16785322.5	CHEN, Jin	(51) H04L 67/104
(47) 21.09.2022	HUI, Yugeng	(11) EP3779703
(87) US2016057250	(31) 201810203025	(21) EP19781128.4
27.04.2017	(32) 13.03.2018	(47) 21.09.2022
(22) 16.10.2016	(33) China	(87) JP2019003210
(54) TRIGGERED IN-BAND OPERATIONS,	(51) H04L 47/30	10.10.2019
ADMINISTRATION, AND	H04L 49/00	(22) 30.01.2019
MAINTENANCE IN A NETWORK	H04L 49/90	(54) INFORMATION PROCESSING
ENVIRONMENT	H04L 47/27	DEVICE, INFORMATION PROCESSING
(73) Cisco Technology, Inc.	H04L 49/901	METHOD, AND PROGRAM
(72) WARD, David, D.	(11) EP3675439	(73) Sony Group Corporation
PIGNATARO, Carlos, M.	(21) EP18863120.4	(72) TAKAHASHI, Koki
BROCKNERS, Frank	(47) 21.09.2022	WATANABE, Kazuhiro
BHANDARI, Shwetha, Subray	(87) CN2018106875	ISOZU, Masaaki
(31) 201615148864	04.04.2019	(31) 2018070786
201562244095 P	(22) 21.09.2018	(32) 02.04.2018
(32) 06.05.2016	(54) DATA TRANSMISSION	(33) Japan
20.10.2015	(73) New H3C Technologies Co., Ltd.	(51) H04L 67/12
(33) United States of America	(72) GUO, Daorong	H04W 4/44
United States of America	(31) 201710889139	H04W 80/08
(51) H04L 41/0853	(32) 27.09.2017	(11) EP3484188
H04L 41/0866	(33) China	(21) EP17201344.3
H04L 41/12	(51) H04L 47/80	(47) 21.09.2022
H04L 43/0817	H04L 49/00	(22) 13.11.2017
H04L 12/28	H04L 69/28	(54) ROAD-SIDE NETWORK NODE,
(11) EP3794776	H04L 67/12	METHOD TO OPERATE THE
(21) EP19728785.7	(11) EP3694166	ROAD-SIDE NODE, NETWORK
(47) 21.09.2022	(21) EP19155669.5	INFRASTRUCTURE NODE, METHOD
(87) US2019030779	(47) 21.09.2022	TO OPERATE THE NETWORK
21.11.2019	(22) 06.02.2019	INFRASTRUCTURE NODE, AND
(22) 06.05.2019	(54) CYCLIC TIME-SLOTTED OPERATION	NETWORK SETUP
(54) DEVICE IDENTIFICATION ON A	IN A WIRELESS INDUSTRIAL	(73) Robert Bosch GmbH
BUILDING AUTOMATION CONTROL	NETWORK	(72) Sambale, Klaus
NETWORK	(73) Hitachi Energy Switzerland AG	(51) H04L 67/14
(73) Microsoft Technology Licensing, LLC	(72) ZHIBO, Pang	H04L 67/141
(72) STANCIU, Alina Mihaela	JANSSON, Roger	H04L 67/12
SHAMI, Mohamed Haitham	LUVISOTTO, Michele	H04L 67/142
SEGURA, Chris Neil	(51) H04L 67/00	H04L 67/56
(31) 201815981695	(11) EP3128440	H04L 69/08
(32) 16.05.2018	(21) EP14888191.5	H04L 69/321
(33) United States of America	(47) 21.09.2022	H04W 4/70
(51) H04L 43/0811	(87) CN2014093955	H04W 12/033
(11) EP3593497	08.10.2015	H04W 12/04
(21) EP17713447.5	(22) 16.12.2014	H04W 12/06
(47) 21.09.2022	(54) METHOD AND DEVICE FOR INVOKING	H04W 76/10
(87) IB2017051366	SERVICE IN MOBILE TERMINAL	(11) EP3025483
13.09.2018	(73) Beijing Baidu Netcom Science and	(21) EP14755463.8
(22) 08.03.2017	Technology Co., Ltd	(47) 21.09.2022
(54) OPTIMIZING TUNNEL MONITORING IN	(72) LI, Huaming	(87) US2014048309
SDN	WANG, Daolong	29.01.2015
(73) Telefonaktiebolaget LM Ericsson (PUBL)	BAI, Kai	(22) 25.07.2014

(54) END-TO-END M2M SERVICE LAYER SESSIONS	BHAYA, Gaurav Ravindra CHATTERJEE, Surojit	(47) 21.09.2022 (22) 15.03.2016
(73) Convida Wireless, LLC	(31) 201514943615	(54) INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, PROGRAM, AND INFORMATION PROCESSING SYSTEM
(72) SEED, Dale, N. DONG, Lijun LU, Guang STARSINIC, Michael, F.	(32) 17.11.2015 (33) United States of America	(73) Ricoh Company, Ltd. (72) ARAI, Shohei
(31) 201361886787 P 201361858387 P	(51) H04L 69/14 H04L 43/0888 H04L 45/00 H04L 69/163	(31) 2015058019 (32) 20.03.2015 (33) Japan
(32) 04.10.2013 25.07.2013	(11) EP3075112 (21) EP14806384.5	(73) CN2015096064
(33) United States of America United States of America	(47) 21.09.2022 (87) GB2014053543	(12.01.2017 (2) 30.11.2015
(51) H04L 67/14 H04L 67/141 H04L 67/143 H04W 76/22 H04W 76/34	(87) GB2014053543 04.06.2015 (22) 28.11.2014 (54) TRANSFERRING DATA BETWEEN NETWORK NODES	(51) H04M 19/04 H04L 65/40 G05B 19/04 (11) EP3147730 (21) EP15893538.7 (47) 21.09.2022
(11) EP3873064 (21) EP18938522.2 (47) 21.09.2022 (87) CN2018113211 07.05.2020	(73) Bridgeworks Limited (72) BURGESS, Paul TROSSELL, David	(87) CN2015096064
(22) 31.10.2018	(31) 201321148 (32) 29.11.2013 (33) United Kingdom	(54) SOUND BOX PARAMETER CONFIGURATION METHOD, MOBILE TERMINAL, SERVER, AND SYSTEM
(54) PROTOCOL DATA UNIT SESSION STATUS INDICATION METHOD, TERMINAL DEVICE, AND STORAGE MEDIUM	(51) H04L 69/16 H04L 69/164	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	(11) EP3815328 (21) EP19735458.2 (47) 21.09.2022 (87) US2019037567 02.01.2020	(72) LIN, Shangbo (31) 201510402365 (32) 09.07.2015 (33) China
(72) SHI, Cong LIU, Jianhua YANG, Ning	(22) 18.06.2019 (54) SCALABLE SOCKETS FOR QUIC	(51) H04N 5/232 H04N 5/225 G10L 15/16 G06K 9/00 G06K 9/62 G06V 10/82
(51) H04L 67/303 H04L 67/306 H04W 8/18	(73) Microsoft Technology Licensing, LLC (72) BALASUBRAMANIAN, Praveen OLSON, Matthew A. BANKS, Nicholas A. DAS, Sourav GRIFKA, Nicholas J.	(11) EP3738304 (21) EP19700870.9 (47) 21.09.2022 (87) EP2019050462 18.07.2019
(11) EP3469780 (21) EP16742164.3 (47) 21.09.2022 (87) EP2016063081 14.12.2017 (22) 08.06.2016	(31) 201816217007 201862690275 P (32) 11.12.2018 26.06.2018 (33) United States of America United States of America	(54) METHODS AND APPARATUS TO OPERATE A MOBILE CAMERA FOR LOW-POWER USAGE
(54) CONTEXT INFORMATION PROCESSOR, PROFILE DISTRIBUTION UNIT AND METHOD FOR A COMMUNICATION NETWORK	(51) H04M 1/725 A24F 47/00	(73) MOVIDIUS LTD. (72) MOLONEY, David DEGHANI, Alireza
(73) Huawei Technologies Co., Ltd.	(11) EP3167601 (21) EP15739420.6 (47) 21.09.2022 (87) US2015038846 14.01.2016	(31) 201815870007 (32) 12.01.2018 (33) United States of America
(72) SPAPIS, Panagiotis KALOXYLOS, Alexandros ZHOU, Chan ALONISTIOTI, Athanasia BARMPOUNAKIS, Sokratis	(22) 01.07.2015 (54) A SYSTEM AND RELATED METHODS, APPARATUSES, AND COMPUTER PROGRAM PRODUCTS FOR CONTROLLING OPERATION OF A DEVICE BASED ON A READ REQUEST	(51) H04N 5/235 H04N 5/232 H04N 9/73 H04N 9/04 (11) EP3565236 (21) EP18735915.3 (47) 21.09.2022 (87) CN2018071307 12.07.2018
(51) H04L 67/55 H04L 67/52 H04L 67/53 H04L 67/306 G06Q 30/02 G06F 16/9535 G06F 16/9537	(73) RAI Strategic Holdings, Inc. (72) AMPOLINI, Frederic Philippe HENRY, JR., Raymond Charles KIMSEY, Glen LAMB, Wilson Christopher	(22) 04.01.2018 (54) CONTROL METHOD, CONTROL APPARATUS, MOBILE TERMINAL AND COMPUTER-READABLE STORAGE MEDIUM
(11) EP3697064 (21) EP20163514.1 (47) 21.09.2022 (22) 11.10.2016	(31) 201414327776 (32) 10.07.2014 (33) United States of America	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
(54) ENHANCED PUSH MESSAGING	(51) H04M 3/56	(72) SUN, Jianbo
(73) Google LLC	(11) EP3070919 (21) EP16160446.7	
(72) NANAVATI, Vibhor KOTHARI, Anshul AGARWAL, Amit		

(31) 201710007779	(54) METHOD AND SYSTEM OF LENS SHADING COLOR CORRECTION USING BLOCK MATCHING	KARCZEWICZ, Marta
(32) 05.01.2017		(31) 201213548825
(33) China		201161557259 P
(51) H04N 7/16	(73) Intel Corporation	201161555932 P
H04N 9/87	(72) PALIY, Dmytro	(32) 13.07.2012
G06F 9/50	(31) 201414498271	08.11.2011
B60K 35/00	(32) 26.09.2014	04.11.2011
H04L 67/59	(33) United States of America	(33) United States of America
H04L 67/10	(51) H04N 19/105	United States of America
H04L 67/00	H04N 19/50	United States of America
H04L 67/12	H04N 19/136	(51) H04N 19/44
H04L 67/306	H04N 19/187	H04N 19/46
G06F 9/451	H04N 19/33	H04N 19/70
G06F 9/48	H04N 19/70	(11) EP2834974
(11) EP3416861	H04N 19/436	(21) EP13710661.3
(21) EP16890888.7	H04N 19/176	(47) 21.09.2022
(47) 21.09.2022	(11) EP3022925	(87) US2013027808
(87) US2016068087	(21) EP14750050.8	10.10.2013
24.08.2017	(47) 21.09.2022	(22) 26.02.2013
(22) 21.12.2016	(87) US2014046602	(54) LOW-DELAY VIDEO BUFFERING IN VIDEO CODING
(54) DYNAMIC APPLICATION EXECUTION FOR AUTOMOBILE AND CLOUD HYBRID ENVIRONMENTS	22.01.2015	(73) Qualcomm Incorporated
(73) Xevo Inc.	(22) 15.07.2014	(72) WANG, Ye-Kui
(72) SNYDER, Ira	(54) CROSS-LAYER PARALLEL PROCESSING AND OFFSET DELAY PARAMETERS FOR VIDEO CODING	CHEN, Ying
(31) 201615048385	(73) QUALCOMM Incorporated	(31) 201313776063
(32) 19.02.2016	(72) RAPAKA, Krishnakanth	201261641063 P
(33) United States of America	WANG, Ye-Kui	201261620266 P
(51) H04N 7/18	RAMASUBRAMONIAN, Adarsh Krishnan	(32) 25.02.2013
(11) EP3635950	(31) 201414331004	01.05.2012
(21) EP18743876.7	201361846570 P	04.04.2012
(47) 21.09.2022	(32) 14.07.2014	(33) United States of America
(87) JP2018024525	15.07.2013	United States of America
10.01.2019	(33) United States of America	United States of America
(22) 28.06.2018	United States of America	(51) H04N 21/233
(54) IMAGING DEVICE, CAMERA-EQUIPPED DRONE, AND MODE CONTROL METHOD, AND PROGRAM	(51) H04N 19/115	H04N 21/422
(73) Sony Group Corporation	H04N 5/232	H04N 21/482
(72) HARADA, Takeshi	H04N 19/124	H04N 21/654
ODA, Ryunosuke	H04N 19/15	H04N 21/658
(31) 2017131674	H04N 19/192	G06F 3/16
(32) 05.07.2017	(11) EP3742728	G10L 21/00
(33) Japan	(21) EP19176483.6	G10L 17/24
(51) H04N 7/18	(47) 21.09.2022	(11) EP3393128
(11) EP3846461	(22) 24.05.2019	(21) EP18177612.1
(21) EP20153030.0	(54) A METHOD AND BITRATE CONTROLLER FOR CONTROLLING OUTPUT BITRATE OF A VIDEO ENCODER	(47) 21.09.2022
(47) 21.09.2022	(73) Axis AB	(22) 06.01.2014
(22) 22.01.2020	(72) Edpalm, Viktor	(54) DISPLAY APPARATUS AND METHOD FOR CONTROLLING THE DISPLAY APPARATUS
(54) REAL-TIME DEVIATION IN VIDEO MONITORING	Toresson, Alexander	(73) Samsung Electronics Co., Ltd.
(73) Axis AB	Danielsson Fan, Xing	(72) CHA, Tae-hwan
(72) Pettersson, Mattias	(51) H04N 19/17	PARK, Tae-je
(31) 201916729985	H04N 19/174	(31) 20130001803
(32) 30.12.2019	H04N 19/176	(32) 07.01.2013
(33) United States of America	H04N 19/436	(33) Korea (Republic)
(51) H04N 9/07	H04N 19/70	(51) H04N 21/443
H04N 9/04	(11) EP2774369	H04N 21/442
H04N 5/357	(21) EP12790745.9	H04N 21/462
H04N 5/217	(47) 21.09.2022	H04N 21/845
(11) EP3198858	(87) US2012063027	H04N 21/2343
(21) EP15843307.8	10.05.2013	H04N 21/262
(47) 21.09.2022	(22) 01.11.2012	H04N 21/414
(87) US2015046040	(54) PADDING OF SEGMENTS IN CODED SLICE NAL UNITS	H04N 21/482
31.03.2016	(73) Qualcomm Incorporated	H04N 21/8543
(22) 20.08.2015	(72) WANG, Ye-Kui	H04N 21/41
	COBAN, Muhammed Zeyd	(11) EP3499905
		(21) EP18208512.6
		(47) 21.09.2022
		(22) 06.03.2014

(54) POWER AWARE ADAPTION FOR VIDEO STREAMING	(11) EP3913931	(22) 22.03.2017
(73) InterDigital Patent Holdings, Inc.	(21) EP21179211.4	(54) METHOD AND APPARATUS FOR TRANSMITTING V2X MESSAGE
(72) HE, Yuwen	(47) 21.09.2022	(73) Samsung Electronics Co., Ltd.
KUNSTNER, Markus	(22) 27.06.2012	(72) WANG, Hong
YE, Yan	(54) APPARATUS FOR RENDERING AUDIO, METHOD AND STORAGE MEANS THEREFOR.	XU, Lixiang
NEFF, Ralph	(73) Dolby Laboratories Licensing Corp.	KE, Xiaowan
(31) 201461936828 P	(72) TSINGOS, Nicolas R.	(31) 201610204458
201361773379 P	ROBINSON, Charles Q.	(32) 01.04.2016
(32) 06.02.2014	SCHARPF, Jurgen	(33) China
06.03.2013	(31) 201261636102 P	(51) H04W 4/40
(33) United States of America	201161504005 P	(11) EP3783932
United States of America	(32) 20.04.2012	(21) EP20189145.4
(51) H04N 21/488	01.07.2011	(47) 21.09.2022
H04H 20/59	(33) United States of America	(22) 03.08.2020
H04H 60/25	United States of America	(54) RECEIVING VEHICULAR COMMUNICATION MESSAGES
H04N 21/434	(51) H04W 4/02	(73) Nokia Solutions and Networks Oy
H04N 21/435	H04W 84/18	(72) SZILÁGYI, Péter
H04N 21/235	H04L 67/10	(31) 20195698
H04H 20/82	(11) EP3635977	(32) 23.08.2019
H04N 21/845	(21) EP18729110.9	(33) Finland
(11) EP3490266	(47) 21.09.2022	(51) H04W 4/70
(21) EP17830815.1	(87) EP2018064699	H04W 4/90
(47) 21.09.2022	13.12.2018	(11) EP3818733
(87) JP2017024126	(22) 05.06.2018	(21) EP19740466.8
25.01.2018	(54) METHOD AND ENTITY FOR MANAGEMENT OF MOVABLE EDGE COMPUTING SERVERS	(47) 21.09.2022
(22) 30.06.2017	(73) Sony Group Corporation	(87) US2019039911
(54) RECEIVING DEVICE AND DATA PROCESSING METHOD	(72) ISBERG, Anders	09.01.2020
(73) Sony Group Corporation	TRANG, Linh	(22) 28.06.2019
(72) YAMAGISHI, Yasuaki	PRIYANTO, Basuki	(54) ENHANCED PUBLIC WARNING SYSTEM
(31) 2016142280	(31) 17174429	(73) QUALCOMM INCORPORATED
(32) 20.07.2016	(32) 05.06.2017	(72) ARORA, Mayank
(33) Japan	(33) European Patent Office (EPO)	RARIMALA, Raghuvveer Ramakrishna
(51) H04R 1/10	(51) H04W 4/02	Srinivas
H04R 5/033	H04W 88/02	BISHT, Harish Singh
(11) EP3541093	G05B 19/409	SAURABH, Abhishek
(21) EP19170259.6	G05B 19/418	AGARAM, Narasimhan
(47) 21.09.2022	G06F 21/41	(31) 201816025452
(22) 22.09.2016	G06F 3/0484	(32) 02.07.2018
(54) EARBUD CASE AND EARBUD WITH MAGNETIC RETENTION SYSTEM	G06F 21/34	(33) United States of America
(73) Apple Inc.	(11) EP3105949	(51) H04W 4/80
(72) MCPEAK, James L.	(21) EP15748779.4	(11) EP3771238
CHANDRAMOHAN, Chandrahas	(47) 21.09.2022	(21) EP19315077.8
Aralaguppe	(87) US2015013458	(47) 21.09.2022
ZÖRKENDÖRFER, Rico L.	20.08.2015	(22) 26.07.2019
PANECKI, Lee M.	(22) 29.01.2015	(54) METHOD FOR MANAGING A PLURALITY OF MULTIMEDIA COMMUNICATION LINKS IN A POINT-TO-MULTIPOINT BLUETOOTH NETWORK
KASAR, Darshan R.	(54) MOBILE EXTENSION FOR INDUSTRIAL OPERATOR CONSOLES	(73) Google LLC
WAGMAN, Daniel C.	(73) Honeywell International Inc.	(72) Goupy, Julien
RICH, Zachary C.	(72) LAYCOCK, Graeme	Girardier, Thomas
(31) 201662384114 P	MCADAM, Rohan	Guezellot Prudhomme, Nicolas
201562235226 P	(31) 201414178168	(51) H04W 4/80
201562235219 P	(32) 11.02.2014	A61B 5/00
201562235213 P	(33) United States of America	(11) EP3648665
201562235205 P	(51) H04W 4/06	(21) EP18838634.6
(32) 06.09.2016	H04W 28/06	(47) 21.09.2022
30.09.2015	H04W 4/40	(87) US2018043068
30.09.2015	H04W 4/021	31.01.2019
30.09.2015	H04W 76/11	(22) 20.07.2018
(33) United States of America	H04W 76/40	(54) PHYSIOLOGIC MONITORING KITS
United States of America	(11) EP3391678	(73) LifeLens Technologies, Inc.
United States of America	(21) EP17775722.6	(72) TOTH, Landy
United States of America	(47) 21.09.2022	HARIHARAN, Dhananjai
United States of America	(87) KR2017003053	
(51) H04S 3/00	05.10.2017	
H04S 7/00		

SCHWARTZ, Robert, S.	05.01.2016	(54) MEASUREMENT CONFIGURATION
(31) 201762538530 P	27.02.2015	OF A MOBILE STATION IN A
(32) 28.07.2017	(33) United States of America	COMMUNICATION SYSTEM USING
(33) United States of America	United States of America	CARRIER AGGREGATION
(51) H04W 8/22	United States of America	(73) Sharp Kabushiki Kaisha
H04W 28/18	(51) H04W 12/106	(72) YAMADA, Shohei
H04W 84/18	(11) EP3694245	UEMURA, Katsunari
H04W 48/08	(21) EP17931465.3	KATO, Yasuyuki
(11) EP3301958	(47) 21.09.2022	NAKASHIMA, Daiichiro
(21) EP17201703.0	(87) CN2017109940	OH, Waho
(47) 21.09.2022	16.05.2019	(31) 2008332142
(22) 21.12.2005	(22) 08.11.2017	(32) 26.12.2008
(54) SYSTEMS AND METHODS FOR	(54) INTEGRITY PROTECTION CONTROL	(33) Japan
THE CONNECTION AND REMOTE	METHOD, NETWORK DEVICE AND	(51) H04W 28/02
CONFIGURATION OF WIRELESS	COMPUTER STORAGE MEDIUM	H04N 7/15
CLIENTS	(73) GUANGDONG OPPO MOBILE	H04W 36/00
(73) Intellectual Ventures I LLC	TELECOMMUNICATIONS CORP., LTD.	H04W 8/04
(72) WENTINK, Menzo	(72) YANG, Ning	H04W 8/18
JEGER, Tobias	ISOKANGAS, Jari Jaakko	H04W 68/12
(31) 639208 P	(51) H04W 16/28	H04L 65/1016
(32) 23.12.2004	H04B 7/06	H04L 65/1063
(33) United States of America	H04B 17/17	H04L 65/1069
(51) H04W 8/24	H04L 5/00	H04L 65/1073
H04W 68/12	H04W 24/10	(11) EP3178252
H04W 48/08	H04W 36/00	(21) EP15736553.7
H04W 60/04	H04W 74/08	(47) 21.09.2022
H04W 88/06	H04W 76/19	(87) FR2015051595
(11) EP3603242	(11) EP3761694	23.12.2015
(21) EP18771690.7	(21) EP18910442.5	(22) 16.06.2015
(47) 21.09.2022	(47) 21.09.2022	(54) PROCESSING OF SIGNALLING
(87) SE2018050285	(87) CN2018079524	MESSAGES IN A SYSTEM
27.09.2018	26.09.2019	COMPRISING SEVERAL CORE
(22) 20.03.2018	(22) 20.03.2018	NETWORKS
(54) METHOD AND APPARATUS FOR	(54) DATA TRANSMISSION METHOD AND	(73) ORANGE
PAGING A USER EQUIPMENT IN	DEVICE	(72) LE SAGE, Benoît
AN AREA SPANNING ACROSS A	(73) GUANGDONG OPPO MOBILE	FREMOND, Philippe
PLURALITY OF RADIO ACCESS	TELECOMMUNICATIONS CORP., LTD.	LABRANCHE, Miguel
TECHNOLOGIES	(72) YOU, Xin	(31) 1455525
(73) Telefonaktiebolaget LM Ericsson (publ)	SHI, Cong	(32) 17.06.2014
(72) CENTONZA, Angelo	(51) H04W 24/02	(33) France
MILDH, Gunnar	H04W 88/16	(51) H04W 28/04
SCHLIWA-BERTLING, Paul	(11) EP3785463	H04J 11/00
(31) 201762474262 P	(21) EP19719309.7	(11) EP3293999
(32) 21.03.2017	(47) 21.09.2022	(21) EP17199014.6
(33) United States of America	(87) EP2019060705	(47) 21.09.2022
(51) H04W 12/06	31.10.2019	(22) 18.06.2010
H04L 29/06	(22) 26.04.2019	(54) TERMINAL DEVICE AND
H05B 33/00	(54) METHOD FOR FEDERATING AT	RETRANSMISSION CONTROL
H05B 45/22	LEAST TWO COMMUNICATION	METHOD
H05B 47/19	NETWORKS FOR MOBILE TERMINALS	(73) Godo Kaisha IP Bridge 1
H04W 12/062	AND NETWORK CAPABLE OF BEING	(72) NAKAO, Seigo
(11) EP3262810	FEDERATED	IMAMURA, Daichi
(21) EP16709892.0	(73) Airbus Defence and Space SAS	(31) 2009252051
(47) 21.09.2022	(72) SCHOLLER, Franck	2009146592
(87) US2016020057	PEREZ, Jean-François	(32) 02.11.2009
01.09.2016	MONTENOT, Jean-Marc	19.06.2009
(22) 29.02.2016	VOSSSEN, Wannes	(33) Japan
(54) LIGHTING BASED AUTHENTICATION	(31) 1853759	Japan
OF A MOBILE ELECTRONIC DEVICE	(32) 27.04.2018	(51) H04W 28/04
(73) Xicato, Inc.	(33) France	H04W 28/10
(72) MUELLER, Martin, Emil	(51) H04W 24/10	H04W 74/02
LOVERIDGE, Barry, Mark	H04W 88/08	H04L 1/18
HUSHLEY, Jeffrey, P.	H04W 36/00	(11) EP3751893
HARBERS, Gerard	(11) EP3726878	(21) EP20189913.5
(31) 201615055413	(21) EP20177119.3	(47) 21.09.2022
201662275115 P	(47) 21.09.2022	(22) 14.05.2016
201562126341 P	(22) 09.11.2009	
(32) 26.02.2016		

<p>(54) HYBRID AUTOMATIC REPEAT REQUEST (HARQ) IN LISTEN BEFORE TALK SYSTEMS (73) Cable Television Laboratories, Inc. (72) ANDREOLI-FANG, Jennifer BABAEI, Alireza (31) 201562161443 P (32) 14.05.2015 (33) United States of America</p> <hr/> <p>(51) H04W 28/06 (11) EP3571864 (21) EP18741068.3 (47) 21.09.2022 (87) KR2018000841 26.07.2018 (22) 18.01.2018 (54) METHOD AND DEVICE FOR TRANSMITTING DATA UNIT, AND METHOD AND DEVICE FOR RECEIVING DATA UNIT (73) LG Electronics Inc. (72) YI, Seungjune LEE, Sunyoung (31) 201762447881 P (32) 18.01.2017 (33) United States of America</p> <hr/> <p>(51) H04W 28/24 H04W 72/08 (11) EP3849237 (21) EP20213312.0 (47) 21.09.2022 (22) 11.12.2020 (54) METHOD AND APPARATUS FOR REQUESTING SIDELINK TRANSMISSION RESOURCES IN A WIRELESS COMMUNICATION SYSTEM (73) ASUSTek Computer Inc. (72) PAN, Li-Te KURO, Richard Lee-Chee (31) 202062958061 P (32) 07.01.2020 (33) United States of America</p> <hr/> <p>(51) H04W 36/00 (11) EP3552430 (21) EP17832479.4 (47) 21.09.2022 (87) EP2017082223 21.06.2018 (22) 11.12.2017 (54) METHODS AND APPARATUS FOR ADJUSTING A SERVICE CONTINUITY THRESHOLD IN A WIRELESS COMMUNICATION NETWORK (73) Telefonaktiebolaget LM Ericsson (PUBL) (72) FRANKKILA, Tomas FOTI, George (31) 201662432959 P (32) 12.12.2016 (33) United States of America</p> <hr/> <p>(51) H04W 36/00 H04L 5/00 (11) EP3764580 (21) EP20169262.1 (47) 21.09.2022 (22) 28.02.2012 (54) METHOD AND APPARATUS FOR TRANSMITTING DATA IN CARRIER AGGREGATION MANNER</p>	<p>(73) Huawei Technologies Co., Ltd. (72) CHANG, Junren LI, Yajuan ZHANG, Yongping ZHANG, Liangliang (31) 201110050985 (32) 03.03.2011 (33) China</p> <hr/> <p>(51) H04W 36/00 H04W 16/22 H04W 36/24 H04W 36/36 H04W 84/12 (11) EP3881602 (21) EP19818175.2 (47) 21.09.2022 (87) EP2019085832 25.06.2020 (22) 18.12.2019 (54) METHOD AND DEVICE FOR ANTICIPATING A RECONNECTION OF A MOBILE STATION (73) SAGEMCOM BROADBAND SAS (72) REUCHE, Anthony (31) 1873544 (32) 20.12.2018 (33) France</p> <hr/> <p>(51) H04W 36/00 H04W 36/14 (11) EP3238483 (21) EP15873876.5 (47) 21.09.2022 (87) US2015054931 30.06.2016 (22) 09.10.2015 (54) VOICE HANDOVER BETWEEN WIRELESS NETWORKS (73) Intel Corporation (72) VALLABHU, Venkata R. SRINIVASAN, Suresh (31) 201414582020 (32) 23.12.2014 (33) United States of America</p> <hr/> <p>(51) H04W 36/00 H04W 76/15 H04W 36/30 (11) EP3758413 (21) EP20177657.2 (47) 21.09.2022 (22) 11.05.2016 (54) RADIO RESOURCE CONTROL RRC CONFIGURATION METHOD AND RELATED DEVICE (73) HUAWEI TECHNOLOGIES CO., LTD. (72) MIAO, Jinhua ZHANG, Jian QUAN, Wei</p> <hr/> <p>(51) H04W 36/12 H04W 36/10 H04W 88/16 H04W 92/24 (11) EP3468252 (21) EP16907864.9 (47) 21.09.2022 (87) CN2016089182 11.01.2018 (22) 07.07.2016</p>	<p>(54) METHOD FOR ESTABLISHING TUNNEL BETWEEN LOCAL GATEWAYS, AND GATEWAY (73) Huawei Technologies Co., Ltd. (72) XU, Yixu ZHOU, Han ZHANG, Jin CHEN, Zhongping</p> <hr/> <p>(51) H04W 52/02 (11) EP3372016 (21) EP16784454.7 (47) 21.09.2022 (87) EP2016074766 11.05.2017 (22) 14.10.2016 (54) TELECOMMUNICATIONS APPARATUS AND METHODS (73) Sony Group Corporation (72) MARTIN, Brian Alexander BEALE, Martin Warwick WONG, Shin Horng TSUDA, Shinichiro (31) 15193159 (32) 05.11.2015 (33) European Patent Office (EPO)</p> <hr/> <p>(51) H04W 52/02 (11) EP3619971 (21) EP18727113.5 (47) 21.09.2022 (87) US2018031102 08.11.2018 (22) 04.05.2018 (54) CLOSED LOOP TRANSMISSIONS ASSOCIATED WITH WAKE-UP RADIOS (73) Interdigital Patent Holdings, Inc. (72) LOU, Hanqing SAHIN, Alphan WANG, Xiaofei OTERI, Oghenekome SUN, Li-Hsiang YANG, Rui (31) 201762595750 P 201762501892 P (32) 07.12.2017 05.05.2017 (33) United States of America United States of America</p> <hr/> <p>(51) H04W 52/02 (11) EP3619972 (21) EP18727500.3 (47) 21.09.2022 (87) US2018031112 08.11.2018 (22) 04.05.2018 (54) WAKE UP SIGNALS OPERATION (73) Convida Wireless, LLC (72) ZHANG, Guodong ADJAKPLE, Pascal, M. MURRAY, Joseph, M. IYER, Lakshmi, R. (31) 201762501181 P (32) 04.05.2017 (33) United States of America</p> <hr/> <p>(51) H04W 52/02 H04B 7/0413 (11) EP3804415 (21) EP18740541.0 (47) 21.09.2022</p>
---	---	---

(87) EP2018068372 09.01.2020	(54) METHOD FOR TRANSMITTING SYNCHRONIZATION SIGNAL AND SYNCHRONIZATION CHANNEL IN WIRELESS COMMUNICATION SYSTEM SUPPORTING DEVICE-TO-DEVICE COMMUNICATION AND APPARATUS FOR SAME	(33) United States of America United States of America
(22) 06.07.2018	(73) LG Electronics Inc.	(51) H04W 72/04
(54) A NETWORK NODE AND A USER NODE FOR IMPROVING RELIABILITY OF WAKE-UP SIGNALING IN A WIRELESS COMMUNICATION NETWORK, AND CORRESPONDING METHODS THEREFOR	(72) KIM, Hakseong SEO, Hanbyul	H04J 1/00 H04J 11/00 H04W 72/08
(73) Huawei Technologies Oy (Finland) Co. Ltd.	(31) 201461939685 P 201461931686 P	(11) EP3863353 (21) EP21166467.7 (47) 21.09.2022 (22) 18.03.2009
(72) PUCHKO, Oleksandr HEISKA, Kari KELA, Petteri ROSTAMI, Soheil	(32) 13.02.2014 26.01.2014	(54) WIRELESS COMMUNICATION SYSTEM, WIRELESS COMMUNICATION SETTING METHOD, BASE STATION, MOBILE STATION, AND PROGRAM
(51) H04W 52/14	(33) United States of America United States of America	(73) NEC Corporation
H04W 52/22	(51) H04W 68/00	(72) INOUE, Takamichi
H04W 52/28	H04W 88/04	KOYANAGI, Kenji
H04W 48/08	(11) EP3614754	LIU, Le
H04W 4/02	(21) EP17913087.7	KAKURA, Yoshikazu
H04W 12/02	(47) 21.09.2022	(31) 2008072581
H04W 12/03	(87) CN2017087819 13.12.2018	(32) 19.03.2008
(11) EP3556151	(22) 09.06.2017	(33) Japan
(21) EP17829227.2	(54) PAGING MESSAGE SENDING METHOD AND PAGING MESSAGE RECEIVING METHOD	(51) H04W 72/04 H04W 72/08
(47) 21.09.2022	(73) Huawei Technologies Co. Ltd.	(11) EP3123797 (21) EP15718535.6 (47) 21.09.2022
(87) FR2017053617 21.06.2018	(72) CAI, Yu WANG, Jian ZENG, Yongbo	(87) FR2015050852 01.10.2015 (22) 01.04.2015
(22) 15.12.2017	(51) H04W 72/00	(54) METHOD FOR ALLOCATING RADIO RESOURCES IN A TELECOMMUNICATIONS SYSTEM
(54) METHOD FOR CONTROLLING A RADIO SIGNAL EMITTED BY A CONNECTED OBJECT, AND CORRESPONDING GATEWAY AND COMPUTER PROGRAM	H04W 74/08 H04B 7/06 H04W 16/28	(73) Airbus DS SLC (72) GEORGEAUX, Eric MEGE, Philippe MARTINOD, Laurent FLOREA, Alina-Alexandra NGUYEN, Hang
(73) ORANGE	(11) EP3580973	(31) 1400745
(72) BOUCADAIR, Mohamed JACQUENET, Christian	(21) EP18794714.8	(32) 27.03.2014
(31) 1662475	(47) 21.09.2022	(33) France
(32) 15.12.2016	(87) CN2018085415 08.11.2018	(51) H04W 72/08 H04W 84/12 H04L 5/00
(33) France	(22) 03.05.2018	(11) EP3200418 (21) EP15851662.5 (47) 21.09.2022
(51) H04W 52/14	(54) METHODS AND APPARATUSES FOR RANDOM ACCESS TRANSMISSION	(87) CN2015070252 28.04.2016
H04W 52/38	(73) Telefonaktiebolaget LM Ericsson (publ)	(22) 07.01.2015
H04W 52/42	(72) LIU, Jinhua FAN, Rui	(54) METHOD AND APPARATUS FOR SENDING AND RECEIVING SIGNALLING IN WIRELESS LOCAL AREA NETWORK(WLAN)
H04W 52/28	(31) PCT/CN2017/083234	(73) Huawei Technologies Co., Ltd.
(11) EP3550896	(32) 05.05.2017	(72) LIN, Yingpei ZHANG, Jiayin LUO, Jun LIU, Le
(21) EP17890398.5	(33) World Intellectual Property Office (WIPO)	(31) PCT/CN2014/093183 PCT/CN2014/088972
(47) 21.09.2022	(51) H04W 72/04	(32) 05.12.2014 20.10.2014
(87) CN2017116578 12.07.2018	(11) EP3552447	(33) World Intellectual Property Office (WIPO) World Intellectual Property Office (WIPO)
(22) 15.12.2017	(21) EP17818387.7	(51) H04W 72/12
(54) UPLINK POWER CONTROL METHOD AND TERMINAL	(47) 21.09.2022	
(73) Huawei Technologies Co., Ltd.	(87) US2017064470 14.06.2018	
(72) ZHANG, Xingwei FENG, Shulan DU, Guanglong LI, Chao SHI, Jie	(22) 04.12.2017	
(31) 201710011398	(54) ADAPTATION OF TRANSMISSION INTERVAL TO POWER CLASS	
(32) 06.01.2017	(73) QUALCOMM Incorporated	
(33) China	(72) MONTOJO, Juan MESHKATI, Farhad WEI, Yongbin YOO, Taesang ZHANG, Xiaoxia	
(51) H04W 56/00	(31) 201715829609 201662430650 P	
H04L 5/00	(32) 01.12.2017	
H04L 27/26	06.12.2016	
(11) EP3624511		
(21) EP19204771.0		
(47) 21.09.2022		
(22) 21.01.2015		

H04L 47/80	(11) EP3661309	KIMURA, Ryota
(11) EP3755103	(21) EP20152422.0	(31) 2009113871
(21) EP20179884.0	(47) 21.09.2022	(32) 08.05.2009
(47) 21.09.2022	(22) 08.05.2015	(33) Japan
(22) 15.06.2020	(54) METHOD AND APPARATUS FOR	(51) H04W 74/08
(54) METHOD AND SYSTEM FOR	CHANNEL SELECTION	(11) EP3681237
TRANSMITTING DATA FROM A DATA	(73) Interdigital Patent Holdings, Inc.	(21) EP18863649.2
TRANSMITTER TO A SERVER	(72) LOU, Hanqing	(47) 21.09.2022
(73) Sagemcom Energy & Telecom SAS	WANG, Xiaofei	(87) CN2018109058
(72) BAROIS, Jérôme	OTERI, Oghenekome	04.04.2019
JUAN, Guillaume	OLESEN, Robert, L.	(22) 30.09.2018
(31) 1906610	(31) 201461991231 P	(54) RANDOM ACCESS METHODS,
(32) 19.06.2019	(32) 09.05.2014	COMMUNICATION APPARATUS AND
(33) France	(33) United States of America	PROGRAM PRODUCT
(51) H04W 72/12	(51) H04W 74/00	(73) Huawei Technologies Co., Ltd.
H04W 56/00	H04W 74/08	(72) YAN, Mao
H04L 5/00	(11) EP3701761	HUANG, Huang
H04W 76/15	(21) EP18783327.2	GAO, Kuandong
(11) EP3366072	(47) 21.09.2022	(31) 201710917141
(21) EP16847596.0	(87) US2018052777	(32) 30.09.2017
(47) 21.09.2022	02.05.2019	(33) China
(87) CN2016113715	(22) 26.09.2018	(51) H04W 74/08
05.07.2018	(54) TECHNIQUES AND APPARATUSES	H04W 84/12
(22) 30.12.2016	FOR CONFIGURING AN UPLINK	(11) EP3852480
(54) METHODS AND DEVICES FOR MULTI-	BANDWIDTH PART FOR A RANDOM	(21) EP21162615.5
CONNECTION TRANSMISSION	ACCESS CHANNEL (RACH)	(47) 21.09.2022
(73) Telefonaktiebolaget LM Ericsson (publ)	PROCEDURE	(22) 03.04.2017
(72) WANG, Jianfeng	(73) QUALCOMM Incorporated	(54) WIRELESS COMMUNICATION
LU, Qianxi	(72) LY, Hung Dinh	METHOD AND WIRELESS
ZHANG, Zhan	ANG, Peter Pui Lok	COMMUNICATION TERMINAL USING
ZHU, Huaisong	GAAL, Peter	BASIC SERVICE SET IDENTIFICATION
(51) H04W 72/12	LUO, Tao	INFORMATION DETERMINATION OF
H04W 72/14	LEE, Heechoon	RECEIVED FRAME
H04W 74/08	ISLAM, Muhammad Nazmul	(73) Wilus Institute of Standards and
(11) EP3471483	SUN, Jing	Technology Inc.
(21) EP17820487.1	(31) 201816141048	SK Telecom Co., Ltd.
(47) 21.09.2022	201762577155 P	(72) KO, Geonjung
(87) KR2017006687	(32) 25.09.2018	SON, Juhjung
04.01.2018	25.10.2017	KWAK, Jinsam
(22) 26.06.2017	(33) United States of America	AHN, Woojin
(54) METHOD FOR REPORTING CHANNEL	United States of America	(31) 20160102229
STATE INFORMATION IN WIRELESS	(51) H04W 74/00	20160093812
COMMUNICATION SYSTEM	H04W 76/36	20160040551
SUPPORTING UNLICENSED BAND,	H04W 72/10	(32) 11.08.2016
AND APPARATUS FOR SUPPORTING	(11) EP3128706	23.07.2016
SAME	(21) EP14890618.3	02.04.2016
(73) LG Electronics Inc.	(47) 21.09.2022	(33) Korea (Republic)
(72) KIM, Seonwook	(87) CN2014076445	Korea (Republic)
AHN, Joonkui	05.11.2015	Korea (Republic)
YANG, Suckchel	(22) 29.04.2014	(51) H04W 76/10
HWANG, Daesung	(54) RESOURCE REUSE METHOD AND	H04W 84/12
(31) 201662405211 P	APPARATUS	(11) EP3422795
201662373316 P	(73) HUAWEI TECHNOLOGIES CO., LTD.	(21) EP17755797.2
201662370721 P	(72) ZHANG, Xingwei	(47) 21.09.2022
201662357336 P	LI, Chao	(87) CN2017074280
(32) 06.10.2016	(51) H04W 74/06	31.08.2017
10.08.2016	H04B 7/0452	(22) 21.02.2017
04.08.2016	H04W 74/00	(54) BASIC SERVICE SET IDENTIFIER
30.06.2016	H04W 84/12	(BSSID) UPDATING
(33) United States of America	H04W 72/04	(73) New H3C Technologies Co., Ltd.
United States of America	(11) EP3595396	(72) WANG, Fei
United States of America	(21) EP19195098.9	(31) 201610108633
United States of America	(47) 21.09.2022	(32) 26.02.2016
(51) H04W 72/12	(22) 17.03.2010	(33) China
H04W 74/08	(54) REVERSE DIRECTION PROTOCOL IN	(51) H04W 76/15
H04W 72/04	AN SDMA CONTEXT	H04L 69/04
H04W 72/08	(73) Sony Group Corporation	H04L 69/22
H04W 84/12	(72) MORIOKA, Yuichi	H04L 69/321

H04W 8/24	H04L 61/5014	(87) US2017043509
H04W 36/00	(11) EP3745684	15.02.2018
H04W 80/10	(21) EP20186279.4	(22) 24.07.2017
H04L 5/00	(47) 21.09.2022	(54) INDUCTION HEATING POWER
H04L 67/1097	(22) 08.11.2013	SUPPLIES, DATA COLLECTION
H04L 67/125	(54) METHOD FOR MERGING TWO SUB-	SYSTEMS, AND INDUCTION HEATING
H04L 67/141	NETWORKS INTO A SINGLE AD HOC	SYSTEMS TO COMMUNICATE OVER
H04L 69/324	NETWORK IMPLEMENTING THE	AN INDUCTION HEATING CABLE
H04W 28/06	D2HCP PROTOCOL	(73) Illinois Tool Works, Inc.
H04W 80/02	(73) AIRBUS DS SAS	(72) SALSICH, Anthony V.
(11) EP3474625	(72) DENIAUD, Thierry	PROCHNOW, Gregg
(21) EP18201708.7	SHABRAWY, Karim	MCWITHEY, Kevin
(47) 21.09.2022	(31) 1301963	(31) 201615235383
(22) 22.10.2018	1203587	(32) 12.08.2016
(54) NON-ACCESS STRATUM CAPABILITY	(32) 20.08.2013	(33) United States of America
INFORMATION	21.12.2012	(51) H05B 3/14
(73) Comcast Cable Communications, LLC	(33) France	H05B 3/44
(72) Park, Kyungmin	France	H05B 3/00
Dinan, Esmael Hejazi	(51) H04W 88/06	(11) EP3425997
Qiao, Weihua	H04B 1/525	(21) EP18174315.4
Talebi Fard, Peyman	(11) EP3484239	(47) 21.09.2022
Babaei, Alireza	(21) EP17836187.9	(22) 25.05.2018
Jeon, Hyoungsuk	(47) 21.09.2022	(54) CARBON HEATING ELEMENT AND
Zhou, Hua	(87) CN2017082235	MANUFACTURING METHOD FOR THE
(31) 201762574954 P	08.02.2018	SAME
201762575127 P	(22) 27.04.2017	(73) LG Electronics Inc.
(32) 20.10.2017	(54) RADIO FREQUENCY CONTROL	Industry Foundation of Chonnam
20.10.2017	CIRCUIT AND MOBILE TERMINAL	National University
(33) United States of America	(73) GUANGDONG OPPO MOBILE	(72) LEE, Youngjun
United States of America	TELECOMMUNICATIONS CORP., LTD.	YANG, Kap Seung
(51) H04W 76/15	(72) LIU, Qiuwen	KIM, Sang Wan
H04L 69/14	CHEN, Xianlong	(31) 20170065488
H04W 84/12	YANG, Jiafeng	(32) 26.05.2017
(11) EP3544363	XIONG, Xianping	(33) Korea (Republic)
(21) EP18162495.8	ZHANG, Guoxi	(51) H05B 3/34
(47) 21.09.2022	PANG, Shaoming	B64D 15/12
(22) 19.03.2018	(31) 201610630191	(11) EP3657905
(54) TECHNIQUES FOR MULTIPATH	(32) 02.08.2016	(21) EP19217830.9
BUNDLING AND DETERMINING WI-	(33) China	(47) 21.09.2022
FI CONNECTIONS FOR MULTIPATH	(51) H04W 88/08	(22) 05.01.2016
BUNDLING	H04W 74/08	(54) UNIFORM HEAT DISTRIBUTION IN
(73) Deutsche Telekom AG	H04W 74/00	RESISTIVE HEATERS FOR ANTI-ICING
(72) BOGENFELD, Eckard	H04W 56/00	AND DE-ICING
AMEND, Markus	H04W 80/02	(73) Battelle Memorial Institute
(51) H04W 76/15	(11) EP3756417	(72) Burton, Brett
H04W 76/12	(21) EP19758004.6	Heintz, Amy M.
H04W 88/08	(47) 21.09.2022	Bosworth, Kurt
(11) EP3735091	(87) CN2019075609	Duong, Tony
(21) EP18897801.9	29.08.2019	Jansen, Mike
(47) 21.09.2022	(22) 20.02.2019	(31) 201562100440 P
(87) CN2018118692	(54) PRIORITIZING ACCESS AND	(32) 06.01.2015
04.07.2019	SERVICES IN NEXT GENERATION	(33) United States of America
(22) 30.11.2018	NETWORKS	(51) H05B 6/06
(54) METHODS AND DEVICES FOR	(73) FG INNOVATION COMPANY LIMITED	H02M 7/5387
TRANSMITTING DATA BY MEANS OF	(72) CHIN, Hengli	H02M 1/34
WIRELESS BACKHAUL NETWORK	WEI, Chiahung	(11) EP3740032
(73) Datang Mobile Communications	CHEN, Hungchen	(21) EP20172683.3
Equipment Co., Ltd.	SHIH, Meiju	(47) 21.09.2022
(72) LIU, Jiamin	CHOU, Chieming	(22) 04.05.2020
(31) 201711446636	(31) 201862633133 P	(54) INDUCTION HEATING DEVICE HAVING
(32) 27.12.2017	(32) 21.02.2018	IMPROVED INTERFERENCE NOISE
(33) China	(33) United States of America	REMOVAL FUNCTION AND POWER
(51) H04W 84/20	(51) H05B 3/10	CONTROL FUNCTION
H04W 40/02	H04B 3/00	(73) LG Electronics Inc.
H04W 12/069	H05B 6/10	(72) JUNG, Kyung Koon
H04L 61/5061	(11) EP3498050	OH, Dooyong
H04L 61/5046	(21) EP17749010.9	OK, Seungbok
H04L 61/5076	(47) 21.09.2022	PARK, Byeong Wook

(31) 20190053332	(31) 1800547	(54) SELF-ADAPTIVE LIGHTING CONTROL
(32) 07.05.2019	(32) 01.06.2018	(73) Helvar Oy Ab
(33) Korea (Republic)	(33) France	(72) AHOLA, Jukka
(51) H05B 45/00	(51) H05B 47/10	JUSLÉN, Henri
H05B 45/10	H04L 12/28	SEPPONEN, Laura
H05B 45/20	H04W 4/38	VESTERINEN, Matti
H05B 45/46	H05B 47/19	(31) 19182573
(11) EP2815631	H04L 67/12	(32) 26.06.2019
(21) EP13705685.9	H04L 67/303	(33) European Patent Office (EPO)
(47) 21.09.2022	(11) EP3721683	(51) H05H 7/00
(87) US2013025179	(21) EP18800990.6	(11) EP3595773
22.08.2013	(47) 21.09.2022	(21) EP18715360.6
(22) 07.02.2013	(87) EP2018081946	(47) 21.09.2022
(54) CURRENT ROUTING TO MULTIPLE LED CIRCUITS	13.06.2019	(87) US2018022312
(73) Xicato, Inc.	(22) 20.11.2018	20.09.2018
(72) HARBERS, Gerard	(54) SYSTEM, METHODS, AND APPARATUSES FOR DISTRIBUTED DETECTION OF LUMINAIRE ANOMALIES	(22) 14.03.2018
(31) 201313761061	(73) Signify Holding B.V.	(54) ROTATABLE CANTILEVER GANTRY IN PROTON RADIOTHERAPY SYSTEM
201261598212 P	(72) OLALEYE, Olaitan, Philip	(73) Varian Medical Systems, Inc.
(32) 06.02.2013	HEGAZY, Tamir	Varian Medical Systems Particle Therapy GmbH & Co. KG
13.02.2012	MURTHY, Abhishek	(72) HASSAN, Rizwan
(33) United States of America	(31) 201762594801 P	SCHULTHEISS, Juergen
United States of America	18153601	MARTE, Lorenzo, Miguelino
(51) H05B 45/54	(32) 05.12.2017	SIER, Jean-Paul
F21V 25/04	26.01.2018	POIER, Michael
F21K 9/278	(33) United States of America	(31) 201715458780
H05B 45/40	European Patent Office (EPO)	(32) 14.03.2017
H05B 47/24	(51) H05B 47/115	(33) United States of America
(11) EP3815466	G05B 15/02	(51) H05K 1/02
(21) EP19730371.2	G05B 19/042	H05K 1/03
(47) 21.09.2022	(11) EP3531216	A61B 5/00
(87) EP2019065960	(21) EP17861657.9	A61B 5/01
02.01.2020	(47) 21.09.2022	H05K 1/14
(22) 18.06.2019	(87) CN2017080867	H05K 1/18
(54) CIRCUIT BOARD ARRANGEMENT TO PREVENT OVERVOLTAGE AND ARCING	26.04.2018	H05K 3/00
(73) Signify Holding B.V.	(22) 18.04.2017	H05K 3/12
(72) LI, Zhaoting	(54) POWER CONSUMPTION MANAGEMENT METHOD FOR ELECTRIC EQUIPMENT, MANAGEMENT DEVICE AND MANAGEMENT SYSTEM	H05K 3/28
CHEN, Peng	(73) Gree Electric Appliances, Inc. of Zhuhai	(11) EP3235353
LU, Han	(72) FENG, Zhonghang	(21) EP15870808.1
WANG, Feng	WANG, Lingjun	(47) 21.09.2022
XIA, Wei	LUO, Xiao	(87) US2015065579
WANG, Yun	SHAO, Shizhuo	23.06.2016
XU, Ai, Ling	ZHANG, Zhiwei	(22) 14.12.2015
(31) PCT/CN2018/093386	(31) 201610917629	(54) MODULAR DEFORMABLE PLATFORM
18191647	(32) 21.10.2016	(73) Robert Bosch GmbH
(32) 28.06.2018	(33) China	(72) YEE, Seow, Yuen
30.08.2018	(51) H05B 47/19	YAMA, Gary
(33) World Intellectual Property Office (WIPO)	(11) EP3758448	KIM, Bongsang
European Patent Office (EPO)	(21) EP19182573.6	SAMARAO, Ashwin
(51) H05B 45/59	(47) 21.09.2022	(31) 201462091690 P
H05B 45/20	(22) 26.06.2019	(32) 15.12.2014
H05B 45/40	(54) SELF-ADAPTIVE LIGHTING CONTROL	(33) United States of America
H05B 45/48	(73) Helvar Oy Ab	(51) H05K 1/11
(11) EP3804468	(72) AHOLA, Jukka	H01L 23/12
(21) EP19790047.5	JUSLÉN, Henri	H01L 23/13
(47) 21.09.2022	SEPPONEN, Laura	H01L 23/15
(87) FR2019051136	VESTERINEN, Matti	H01L 23/498
05.12.2019	(51) H05B 47/19	H05K 1/02
(22) 17.05.2019	(11) EP3758452	H05K 1/03
(54) OPTOELECTRONIC CIRCUIT COMPRISING LIGHT EMITTING DIODES	(21) EP19213723.0	H05K 3/40
(73) Aledia	(47) 21.09.2022	(11) EP3678459
(72) JEANNIN, Olivier	(22) 05.12.2019	(21) EP18852570.3
MERCIER, Frédéric		(47) 21.09.2022
RUEDA FONSECA, Pamela		(87) JP2018031530
		07.03.2019
		(22) 27.08.2018

(54) CIRCUIT BOARD AND ELECTRONIC  
DEVICE PROVIDED WITH SAME

(73) Kyocera Corporation

(72) ABE, Yuichi

(31) 2017164455

(32) 29.08.2017

(33) Japan

---

(51) H05K 3/00

G03F 7/20

H05K 3/06

(11) EP3197249

(21) EP16152127.3

(47) 21.09.2022

(22) 20.01.2016

(54) DIRECT EXPOSURE DEVICE FOR  
DIRECT EXPOSURE OF SOLDERING  
STOP LAYERS IN TWO-DIMENSIONAL  
ENVIRONMENT WITH SHORT-TERM  
TEMPERING

(73) Limata GmbH

(72) Nagel, Matthias

---

(51) H05K 7/14

H05K 7/20

F16B 2/24

H05K 1/05

H05K 3/00

F16B 5/06

(11) EP2932108

(21) EP13792905.5

(47) 21.09.2022

(87) EP2013074099

26.06.2014

(22) 18.11.2013

(54) ELECTRIC COMPONENT WITH HEAT  
SINK FOR ITS COOLING

(73) Phoenix Contact GmbH & Co. KG

Phoenix Contact Power Supplies GmbH

(72) HENKEL, Hartmut

HEINEMANN, Michael

REMMERT, Guido

(31) 102012112393

(32) 17.12.2012

(33) Germany

---

(51) H05K 13/04

H05K 13/08

(11) EP3554206

(21) EP16923135.4

(47) 21.09.2022

(87) JP2016086147

14.06.2018

(22) 06.12.2016

(54) COMPONENT MOUNTING METHOD

(73) Fuji Corporation

(72) KUNO, Koushi

---

## EP3

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

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

(51) A01G 17/08	(33) Denmark	(51) A61B 1/00
(11) EP3257362	(47) 06.07.2022	A61B 1/05
(21) EP17176039.0	(51) A47C 21/00	(11) EP3236833
(22) 14.06.2017	A47C 21/04	(21) EP15863013.7
(54) BINDING MACHINE FOR GARDENING	A47G 9/10	(22) 22.11.2015
(73) MAX CO., LTD.	H02J 50/10	(54) SYSTEM, DEVICE AND METHOD FOR
(72) Takemura, Hajime	(11) EP3773080	ADVANCING AN ARTICLE ALONG A
Ohkawa, Hiroyuki	(21) EP19848955.1	PATH
(74) J.M.H. Duyver lic.	(22) 31.12.2019	(73) Consis Medical Ltd.
(31) 2016119413	(54) PILLOW WITH WIRELESS CHARGING	(72) HORVITZ, Amir
(32) 15.06.2016	(73) Sleep Number Corporation	(74) ir. W.J.J.M. Kempes
(33) Japan	(72) HOLMVIK, Tyler	(31) 201462083688 P
(47) 17.08.2022	SIFFRING, Caleb	(32) 24.11.2014
(51) A01G 31/02	GRABINGER, Cory	(33) United States of America
A01G 31/06	(74) ir. W.J.J.M. Kempes	(47) 15.06.2022
(11) EP3726963	(31) 201962834748 P	(51) A61B 1/00
(21) EP18891451.9	(32) 16.04.2019	G02B 23/24
(22) 21.12.2018	(33) United States of America	G02B 27/00
(54) BRACKET AND ASSEMBLY FOR	(47) 22.06.2022	(11) EP3439529
RECEPTACLES IN AQUEOUS	(51) A47J 31/42	(21) EP17719502.1
FARMING SYSTEM	A47J 31/00	(22) 04.04.2017
(73) Proterra Ag, Inc.	A47J 31/52	(54) DEVICES AND METHODS FOR
(72) GASMER, Morris	(11) EP3409149	CONVEYING AND CONTROLLING
RUSSELL, Kristopher	(21) EP18171967.5	LIGHT BEAMS FOR LENSLESS ENDO-
GHALAMBOR, Hamid Reza	(22) 14.05.2018	MICROSCOPIC IMAGERY
(74) dr. A. Krebs	(54) COFFEE MACHINE WITH CONTROL	(73) Centre National de la Recherche
(31) 201762608819 P	UNIT FOR SETTING BEVERAGE	Scientifique CNRS
(32) 21.12.2017	PARAMETERS	Universite d'Aix-Marseille (AMU)
(33) United States of America	(73) Miele & Cie. KG	Ecole Centrale De Marseille (ECM)
(47) 03.08.2022	(72) Tembaak, Jutta	(72) ANDRESEN, Esben Ravn
(51) A23L 11/00	(31) 102017111859	RIGNEAULT, Hervé
A23L 27/60	(32) 31.05.2017	SIVANKUTTY, Siddarth
A23L 33/185	(33) Germany	(74) ir. W.J.J.M. Kempes
(11) EP3890514	(47) 17.08.2022	(31) 1652937
(21) EP19801360.9	(51) A47J 31/52	(32) 04.04.2016
(22) 14.11.2019	(11) EP3415054	(33) France
(54) DRESSING	(21) EP18174975.5	(47) 08.06.2022
(73) Unilever IP Holdings B.V.	(22) 30.05.2018	(51) A61B 8/00
(72) SCHWENZFEIER, Anja	(54) PROGRAMME-CONTROLLED HOT	A61B 8/12
BOUWENS, Elisabeth, Cornelia, Maria	BEVERAGE MAKER COMPRISING AN	A61B 8/14
(74) ir. T.G.P. Reijns	OPERATOR CONTROL	A61B 17/42
(31) 18210757	(73) Miele & Cie. KG	A61N 7/00
(32) 06.12.2018	(72) Tembaak, Jutta	A61N 7/02
(33) European Patent Office (EPO)	(31) 102017112922	G16H 40/63
(47) 10.08.2022	(32) 13.06.2017	A61B 8/08
(51) A47B 96/02	(33) Germany	A61B 34/10
A47B 57/06	(47) 24.08.2022	A61B 34/20
(11) EP3035824	(51) A47L 9/04	A61B 34/00
(21) EP14776567.1	(11) EP3922154	A61B 90/00
(22) 20.08.2014	(21) EP21173463.7	A61B 17/00
(54) A SHELF	(22) 12.05.2021	(11) EP3537982
(73) LCC 2015 APS	(54) SUCTION ROBOT AND CLEANING	(21) EP17870547.1
(72) MOGENSEN, Erling Kristen	STATION	(22) 08.11.2017
ANDERSEN, Søren Bøgede	(73) Miele & Cie. KG	(54) CONTROLLED TREATMENT OF
THOMSEN, Steen Juul	(72) Gabriel, Philipp	TISSUE AND DYNAMIC INTERACTION
(74) dr. R.C. van Duijvenbode c.s.	(31) 102020115217	WITH TISSUE AND/OR TREATMENT
(31) 201370456	(32) 09.06.2020	DATA AND COMPARISON OF TISSUE
(32) 21.08.2013	(33) Germany	AND/OR TREATMENT DATA
	(47) 24.08.2022	(73) Gynesonics, Inc.

(72) KWAN, Harry TOUB, David Blair CHEN, Jiayu HAMMUDI, Amer	(22) 17.01.2020 (54) ORTHOPAEDIC PROSTHETIC SYSTEM FOR A ROTATING HINGED-KNEE PROSTHESIS	(47) 17.08.2022 A61K 31/4439 A61K 31/519 A61P 1/16
(74) ir. F.A. Geurts c.s. (31) 201662421119 P (32) 11.11.2016 (33) United States of America (47) 07.09.2022	(73) DePuy Ireland Unlimited Company (72) HATHAWAY, Tyler S. WEBB, Anthony J. SADE, SR., Paul B. MATYAS, Aaron J. STEFFE, Kyle D. ROTTGER, David E. REEDER, Nathan C.	(11) EP3600309 (21) EP18717800.9 (22) 26.03.2018 (54) THERAPEUTIC COMBINATIONS FOR TREATING LIVER DISEASES
(51) A61B 17/17 A61B 17/70 A61F 2/46 A61F 2/44	(74) dr. R.C. van Duijvenbode c.s. (31) 201916267700 201916267687 (32) 05.02.2019 05.02.2019	(73) Gilead Sciences, Inc. (72) BATES, Jamie Geier BRECKENRIDGE, David Gordon Clarkson LILES, John T.
(11) EP3638156 (21) EP18742799.2 (22) 19.07.2018 (54) IMPLANT DEVICE FOR PERFORMING POSTERIOR SPINAL ARTHRODESIS AT A FACET JOINT	(33) United States of America United States of America (47) 20.07.2022	(74) dr. R.C. van Duijvenbode c.s. (31) 201762586354 P 201762482105 P 201762477697 P (32) 15.11.2017 05.04.2017 28.03.2017
(73) SC Medica (72) SROUR, Robin SROUR, Camille (74) ir. W.J.J.M. Kempes (47) 17.08.2022	(51) A61F 13/475 A61F 13/49 A61F 13/511 (11) EP3403629 (21) EP17198368.7 (22) 25.10.2017 (54) ABSORBENT ARTICLE WITH CHANNELS	(33) United States of America United States of America United States of America (47) 22.06.2022
(51) A61B 17/88 B21D 7/06 (11) EP2833814 (21) EP13719965.9 (22) 02.04.2013 (54) BENDING MACHINE WITH A CAM FOR AN ORTHOPAEDIC ROD	(73) Drylock Technologies NV (72) VAN INGELGEM, Werner VERDUYN, Dries SMET, Steven DERYCKE, Tom (74) dr. ir. G.J.C. Verdijck c.s. (31) 17195498 17196434 17195872 17190395 17183453 17171110	(51) A61K 35/30 A61K 35/28 A61K 35/15 A61K 35/33 A61K 35/51 A61K 31/711 C12N 5/10 A61P 9/00 A61P 11/00 A61P 25/28 (11) EP2956147 (21) EP14708317.4 (22) 12.02.2014 (54) METHOD OF PRODUCING MICROPARTICLES
(73) Safe Orthopeadics (72) PETIT, Dominique LE HUEC, Jean Charles (74) dr. W.A.H.M. Van Borm (31) 1252995 (32) 02.04.2012 (33) France (47) 08.06.2022	(32) 09.10.2017 13.10.2017 11.10.2017 11.09.2017 27.07.2017 15.05.2017 (33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO)	(73) Reneuron Limited (72) SINDEN, John STEVANATO, Lara CORTELING, Randolph (74) dr. A. Krebs (31) 201317888 201302468 (32) 09.10.2013 12.02.2013 (33) United Kingdom United Kingdom (47) 24.08.2022
(51) A61F 2/24 A61F 2/06 (11) EP3253332 (21) EP16706542.4 (22) 02.02.2016 (54) STENT SEALS AND METHOD OF PRODUCTION	(47) 08.06.2022 (51) A61F 13/49 (11) EP3698763 (21) EP18897680.7 (22) 07.12.2018 (54) UNDERPANTS-SHAPED ABSORBENT ARTICLE	(51) A61K 38/29 A61K 38/16 A61P 19/08 A61P 19/10 C07K 14/47 A61K 31/663 (11) EP3265115 (21) EP16759540.4 (22) 03.03.2016 (54) ABALOPARATIDE COMBINED WITH ALENDRONATE FOR REDUCING NON-VERTEBRAL BONE FRACTURES
(73) Boston Scientific Limited (72) BIADILLAH, Youssef DELALOYE, Stéphane HUMAIR, Arnaud FLACTION, Lionel (74) ir. W.J.J.M. Kempes (31) 15187060 15176367 15164752 15153525 (32) 28.09.2015 10.07.2015 22.04.2015 02.02.2015 (33) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO) European Patent Office (EPO)	(74) J.M.H. Duyver lic. (31) 2017254955 (32) 28.12.2017 (33) Japan	(73) Radius Health, Inc. (72) HATTERSLEY, Gary (74) dr. R.C. van Duijvenbode c.s. (31) 201662278762 P

201562239733 P	Ryan, Katy	GONZALEZ BUENROSTRO, Ana Z.
201562201564 P	Kelly, Ronald John	GUO, Hongyan
201562165841 P	Tierny, Morgan	HAN, Xiaochun
201562127729 P	Scully, David	JIANG, Lan
(32) 14.01.2016	(74) dr. R.C. van Duijvenbode c.s.	LI, Jiayao
09.10.2015	(47) 03.08.2022	MITCHELL, Michael L.
05.08.2015	(51) A61L 2/16	PYUN, Hyung-Jung
22.05.2015	A01N 25/34	SCHROEDER, Scott D.
03.03.2015	C11D 17/04	SCHWARZWALDER, Gregg M.
(33) United States of America	(11) EP3204053	SHAPIRO, Nathan D.
United States of America	(21) EP15781052.4	SHIVAKUMAR, Devleena M.
United States of America	(22) 06.10.2015	WU, Qiaoyin
United States of America	(54) METHOD AND TREATMENT DEVICE	YANG, Hong
United States of America	FOR PERMANENT REMOVAL OF	ZHANG, Jennifer R.
(47) 22.06.2022	MILDEW	(74) dr. R.C. van Duijvenbode c.s.
(51) A61K 38/37	(73) Böhmer, Haico	(31) 201962948697 P
A61P 7/00	(72) Böhmer, Haico	201962822703 P
A61P 7/04	(74) J.M.H. Duyver lic.	(32) 16.12.2019
A61P 43/00	(31) 102014114444	22.03.2019
(11) EP3666283	(32) 06.10.2014	(33) United States of America
(21) EP19212900.5	(33) Germany	United States of America
(22) 14.03.2014	(47) 06.07.2022	(47) 22.06.2022
(54) FACTOR VIII POLYPEPTIDE	(51) A61M 5/142	(51) A63H 3/50
FORMULATIONS	(11) EP3193975	A63H 33/26
(73) Bioverativ Therapeutics Inc.	(21) EP15771376.9	B65D 79/00
(72) MALONEY, Kevin	(22) 14.09.2015	(11) EP3679998
ABDUL-FATTAH, Ahmad	(54) APPARATUS AND METHOD FOR	(21) EP20151312.4
GAGE, Daniel	INFUSING FLUID THROUGH A TUBE	(22) 10.01.2020
(74) ir. W.J.J.M. Kempes	BY APPROPRIATELY HEATING THE	(54) TOY ASSEMBLY WITH CHARACTER IN
(31) 201361897742 P	TUBE	HOUSING AND MECHANISM TO OPEN
201361879955 P	(73) DEKA Products Limited Partnership	HOUSING WITH TETHER
201361876927 P	(72) BIASI, John, J.	(73) Spin Master Ltd.
201361863860 P	GRAY, Larry, B.	(72) Hashemi, Hamid R.
201361839477 P	PAWLOWSKI, Daniel, F.	Patterson, Ian
201361829884 P	(74) ir. W.J.J.M. Kempes	Markovic, Goran
201361817085 P	(31) 201462052008 P	Camacho, William Benedict
201361800293 P	(32) 18.09.2014	Vogler, Jay
(32) 30.10.2013	(33) United States of America	Steele, Edwin
19.09.2013	(47) 06.07.2022	(74) ir. W.J.J.M. Kempes
12.09.2013	(51) A61M 25/06	(31) 201962909790 P
08.08.2013	A61F 2/24	201962791744 P
26.06.2013	A61B 17/34	(32) 03.10.2019
31.05.2013	A61M 25/00	12.01.2019
29.04.2013	(11) EP3661436	(33) United States of America
15.03.2013	(21) EP18755620.4	United States of America
(33) United States of America	(22) 31.07.2018	(47) 15.06.2022
United States of America	(54) INTRODUCER SYSTEM WITH	(51) B01D 19/00
United States of America	EXPANDABLE CAPABILITIES	G01F 15/08
United States of America	(73) Boston Scientific Scimed, Inc.	(11) EP3885020
United States of America	(72) FITTERER, Mimi Trinh	(21) EP20166322.6
United States of America	INO, Takashi H.	(22) 27.03.2020
United States of America	(74) ir. W.J.J.M. Kempes	(54) A SEPARATION ASSEMBLY FOR
United States of America	(31) 201762539293 P	ACCURATE FLOW MEASUREMENT
(47) 08.06.2022	(32) 31.07.2017	OF A GAS AND A LIQUID PHASE IN A
(51) A61L 2/08	(33) United States of America	MULTIPHASE FLUID MIXTURE AND A
A61M 25/01	(47) 29.06.2022	SEPARATION METHOD PROVIDED BY
A61M 27/00	(51) A61P 31/18	SAID ASSEMBLY
A61M 25/00	C07D 471/04	(73) L'Atelier de Matourne S.A.S.
(11) EP3248620	C07D 491/06	(72) LEENHOVEN, Ton
(21) EP16001196.1	A61K 31/4375	VIERA AMARO, Goncalo Gil
(22) 25.05.2016	(11) EP3938047	(74) ir. A. Ferguson
(54) METHOD OF MAKING A READY-	(21) EP20719849.0	(47) 29.06.2022
TO-USE CATHETER ASSEMBLY	(22) 20.03.2020	(51) B01D 19/04
AND A READY-TO-USE CATHETER	(54) BRIDGED TRICYCLIC	C08G 77/46
ASSEMBLY	CARBAMOYLPYRIDONE COMPOUNDS	C08L 83/04
(73) Teleflex Life Sciences Unlimited	AND THEIR PHARMACEUTICAL USE	C08L 83/12
Company	(73) GILEAD SCIENCES, INC.	(11) EP3848107
(72) Fitzgerald, Alan	(72) CHU, Hang	(21) EP20214595.9

(22) 16.12.2020	(54) SUBMERSIBLE AGITATOR DEVICE	HORNUNG, Bernd
(54) FORMULATION AND ITS USE AS DEFOAMER	FOR CIRCULATING DRINKING WATER	(74) dr. R.C. van Duijvenbode c.s.
(73) Evonik Operations GmbH	(73) INVENT Umwelt- und Verfahrenstechnik AG	(31) 102018207248
(72) Schulz, Alexander	(72) HÖFKEN, Marcus	(32) 09.05.2018
Favresse, Philippe	(74) dr. R.C. van Duijvenbode c.s.	(33) Germany
Herrwerth, Sascha	(31) 102018119039	(47) 29.06.2022
Schubert, Frank	(32) 06.08.2018	(51) B25J 9/16
Lobert, Matthias	(33) Germany	B25J 15/06
Troendlin, Johannes	(47) 08.06.2022	(11) EP3762187
Thomalla, Thomas	(51) B01L 3/00	(21) EP19718226.4
Schierle, Thorsten	(11) EP3505251	(22) 07.03.2019
Gippert, Michael	(21) EP18214696.9	(54) ROBOT SYSTEM FOR GRIPPING AN ITEM IN A STORAGE AND PICKING SYSTEM, AND OPERATING METHOD FOR SAME
Urbath, Jonas	(22) 20.12.2018	(73) TGW Logistics Group GmbH
(74) ir. W.J.J.M. Kempes	(54) MICROSCALE SAMPLING DEVICE	(72) AIGLSTORFER, Stefan
(31) 20150732	(73) Delta Electronics, Inc.	PRECHTL, Christian
(32) 08.01.2020	(72) HUANG, Song-Bin	SCHRÖPF, Harald
(33) European Patent Office (EPO)	LIU, Shing-Lun	(74) J.M.H. Duyver lic.
(47) 22.06.2022	CHUNG, Wei-Yu	(31) 502052018
(51) B01D 46/00	LIANG, Qian	(32) 09.03.2018
B01D 46/38	KAO, Yu-Kai	(33) Austria
(11) EP3621719	(74) dr. A. Ellens c.s.	(47) 22.06.2022
(21) EP18727853.6	(31) 201711475242	(51) B28B 5/02
(22) 09.05.2018	(32) 29.12.2017	B28B 17/00
(54) APPARATUS AND METHOD FOR CLEANING A STREAM WITH A MOVING BED	(33) China	B28B 19/00
(73) Teknologian tutkimuskeskus VTT Oy	(47) 17.08.2022	G01B 11/24
(72) RATINEN, Sampo	(51) B05C 5/02	G01B 11/04
SOLANTAUSTA, Yrjö	B05C 11/10	(11) EP3325241
NIEMINEN, Matti	B29B 13/02	(21) EP16754008.7
LINDFORS, Christian	(11) EP3581278	(22) 19.07.2016
KÄLLI, Anssi	(21) EP19176136.0	(54) METHOD FOR PRODUCING GYPSUM WALLBOARD
(74) mr. ir. J. van Breda c.s.	(22) 23.05.2019	(73) United States Gypsum Company
(31) 20175424	(54) DEVICE FOR DISPENSING MELTED ADHESIVE WITH MOBILE SUPPORTING ARM	(72) EVERSOLE, Leslie
(32) 11.05.2017	(73) MIBOX	DELLANGELO, Scott
(33) Finland	(72) LAYER, Yannick	LASH, Jason
(47) 22.06.2022	(74) ir. W.J.J.M. Kempes	(74) ir. H.A. Witmans c.s.
(51) B01D 61/14	(31) 1855302	(31) 201514807111
B01D 63/08	(32) 15.06.2018	(32) 23.07.2015
(11) EP3185996	(33) France	(33) United States of America
(21) EP15760041.2	(47) 29.06.2022	(47) 29.06.2022
(22) 28.08.2015	(51) B22F 5/04	(51) B29B 15/12
(54) SINGLE PASS TANGENTIAL FLOW FILTRATION SYSTEMS AND TANGENTIAL FLOW FILTRATION SYSTEMS WITH RECIRCULATION OF RETENTATE	B22F 7/06	(11) EP3670128
(73) EMD Millipore Corporation	B22F 10/20	(21) EP18306720.6
(72) KOZLOV, Mikhail	B22F 10/36	(22) 18.12.2018
STEEN, Jonathan	B22F 10/364	(54) METHOD FOR PRODUCING A FIBROUS MATERIAL PRE-IMPREGNATED WITH THERMOPLASTIC POLYMER IN A FLUIDISED BED
LUTZ, Herbert	B22F 10/64	(73) Arkema France
PARRELLA, Joseph	C22C 1/04	(72) HOCHSTETTER, Gilles
GOODRICH, Elizabeth, M.	C22C 32/00	SAVART, Thibault
RAGHUNATH, Bala	(11) EP3731985	BABEAU, Arthur
(74) dr. R.C. van Duijvenbode c.s.	(21) EP19720484.5	SALINIER, Axel
(31) 201462043811 P	(22) 17.04.2019	(74) dr. R.C. van Duijvenbode c.s.
(32) 29.08.2014	(54) METHOD FOR ADDITIVE MANUFACTURING A COMPONENT WITH OXIDE DISPERSION STRENGTHENING AND CORRESPONDING COMPONENT	(47) 20.07.2022
(33) United States of America	(73) Siemens Energy Global GmbH & Co. KG	(51) B29B 15/12
(47) 15.06.2022	(72) FARAHBOD-STERNAHL, Lena	(11) EP3670130
(51) B01F 27/117	THOMAS, Eric	(21) EP19216392.1
B01F 27/25	RÜHMER, Tobias Thomas	(22) 16.12.2019
C02F 3/12	FELSMANN, Christian	(54) METHOD FOR PRODUCING A FIBROUS MATERIAL IMPREGNATED WITH THERMOPLASTIC POLYMER
B01F 101/00	RULE, David	(73) ARKEMA FRANCE
(11) EP3806989	HERFURTH, Robert	(72) HOCHSTETTER, Gilles
(21) EP19752462.2	GLASS, Dennis	
(22) 05.08.2019	HOEFENER, Lars	
	GRODZKI, Jacek	

SAVART, Thibaut	(73) ECO EOLIC TOP SYSTEM S.L.	(22) 15.07.2016
BABEAU, Arthur, Pierre	(72) ESTEFAN BELLAN, Abdon Miguel	(54) FOLDABLE WAGON
SALINIER, Axel	VARGAS MACHADO, Carlos Mauricio	(73) Radio Flyer, Inc.
(74) dr. R.C. van Duijvenbode c.s.	FINO PUERTO, Pedro Antonio	(72) FITZWATER, Jason
(31) 18306719	(74) ir. A.R. Aalbers	ECKERT, Cameron
(32) 18.12.2018	(31) 201831284	BOYLE, Michael, S.
(33) European Patent Office (EPO)	(32) 26.12.2018	(74) dr. R.C. van Duijvenbode c.s.
(47) 13.07.2022	(33) Spain	(31) 201615210413
(51) B29C 64/209	(47) 22.06.2022	201562234368 P
B29C 35/16	(51) B60L 50/71	201562193181 P
B29C 64/118	H01M 8/00	(32) 14.07.2016
B33Y 30/00	(11) EP3941778	29.09.2015
(11) EP3442774	(21) EP20720404.1	16.07.2015
(21) EP17782730.0	(22) 16.04.2020	(33) United States of America
(22) 03.04.2017	(54) MODULAR RANGE EXTENDER	United States of America
(54) PRINT HEAD FOR THREE-DIMENSIONAL PRINTING AND THE PRINT HEAD ASSEMBLY	SYSTEM FOR AN ELECTRICALLY DRIVEN MOTOR VEHICLE, AND ELECTRICALLY DRIVEN MOTOR VEHICLE HAVING A RANGE EXTENDER	United States of America
(73) OMNI3D Sp. z o.o	(73) STACK Hydrogen Solutions GmbH	(47) 22.06.2022
(72) SYDOW, Piotr	(72) DANY, Stefan	(51) B62B 7/08
MICHALSKI, Tomasz	PROTE, Jan-Philipp	B62B 7/06
MASLEJ, Piotr	SCHNEIDER, Waldemar	(11) EP3766760
NAWROCKI, Piotr	(74) J.M.H. Duyver lic.	(21) EP20185884.2
WOJTKO, Kamil	(31) 102019110317	(22) 15.07.2020
KARDACH, Krzysztof	(32) 18.04.2019	(54) ROD LOCKING MECHANISM AND STROLLER THEREWITH
SIERZPUTOWSKI, Konrad	(33) Germany	(73) Wonderland Switzerland AG
(74) ir. J.C. Volmer c.s.	(47) 17.08.2022	(72) ZHU, Wanquan
(31) 41679216	(51) B60L 58/40	(74) ir. A.R. Aalbers
(32) 11.04.2016	(11) EP3941784	(31) 201910636299
(33) Poland	(21) EP20720403.3	(32) 15.07.2019
(47) 08.06.2022	(22) 16.04.2020	(33) China
(51) B42D 25/351	(54) CIRCUIT ARRANGEMENT FOR A VEHICLE ELECTRICAL SYSTEM OF AN ELECTRICALLY DRIVEN MOTOR VEHICLE AND METHOD FOR OPERATING A CIRCUIT ARRANGEMENT OF THIS TYPE	(47) 15.06.2022
B42D 25/435	(73) STACK Hydrogen Solutions GmbH	(51) B62M 6/50
(11) EP3763540	(72) DANY, Stefan	B62M 6/60
(21) EP19184959.5	PROTE, Jan-Philipp	(11) EP3583021
(22) 08.07.2019	SCHNEIDER, Waldemar	(21) EP18709397.6
(54) METHOD FOR MANUFACTURING A CARD	(74) J.M.H. Duyver lic.	(22) 13.02.2018
(73) IAI industrial systems B.V.	(31) 102019110343	(54) SYSTEM FOR ESTIMATING THE SLOPE OF A PEDAL-ASSISTED BICYCLE
(72) HOSPEL, Wilhelmus G. J. M.	(32) 18.04.2019	(73) ZEHUS S.p.A.
(74) dr. R.C. van Duijvenbode c.s.	(33) Germany	(72) SEGATO, Marcello
(47) 06.07.2022	(47) 17.08.2022	LISANTI, Paolo
(51) B60C 23/04	(51) B61L 15/00	BERRETTEA, Daniele
G06K 19/077	B61L 27/53	(74) dr. R.C. van Duijvenbode c.s.
B29D 30/00	B61L 27/57	(31) 201700017602
(11) EP3551480	B61L 27/70	(32) 16.02.2017
(21) EP17816956.1	(11) EP3799589	(33) Italy
(22) 30.11.2017	(21) EP20742459.9	(47) 08.06.2022
(54) TYRE SUITABLE FOR RUNNING FLAT EQUIPPED WITH AN ELECTRONIC MEMBER	(22) 18.05.2020	(51) B63H 20/00
(73) Compagnie Générale des Etablissements Michelin	(54) SELF ORGANIZING CYBER RAIL-COP	B63H 21/20
(72) LALLEMENT, Philippe	(73) Cylus Cyber Security Ltd.	B63H 21/21
MUHLHOFF, Olivier	(72) LEVINTAL, Amir	B63J 3/00
(74) ir. W.J.J.M. Kempes	SHIFMAN, Michael	(11) EP3895979
(31) 1662070	(74) ir. W.J.J.M. Kempes	(21) EP21167624.2
(32) 07.12.2016	(31) 201962848616 P	(22) 09.04.2021
(33) France	(32) 16.05.2019	(54) MARINE POWER SUPPLY SYSTEM
(47) 22.06.2022	(33) United States of America	(73) Yamaha Hatsudoki Kabushiki Kaisha
(51) B60K 16/00	(47) 24.08.2022	(72) HAYASHI, Takuya
B60K 25/00	(51) B62B 3/02	MIZUSHIMA, Yoshihiro
B60L 8/00	B62B 3/00	(74) dr. R.C. van Duijvenbode c.s.
(11) EP3883804	(11) EP3322629	(31) 2020072741
(21) EP19835668.5	(21) EP16825232.8	(32) 15.04.2020
(22) 23.12.2019		(33) Japan
(54) ECOLOGICAL SYSTEM EXPLOITING KINETIC ENERGY IN VEHICLES		(47) 27.07.2022
		(51) B64D 11/06
		B60N 2/75
		(11) EP3313691
		(21) EP16815444.1

(22) 24.06.2016	(51) B66C 1/16	B01J 21/18
(54) MOUNTING ARM ASSEMBLY	(11) EP3782949	B01J 35/04
(73) Satterfield, Johnny A.	(21) EP19192948.8	B01J 23/46
(72) Satterfield, Johnny A.	(22) 21.08.2019	B01J 31/02
(74) dr. R.C. van Duijvenbode c.s.	(54) LIFTING STRUCTURE AND METHOD	B01J 37/02
(31) 201562185170 P	FOR LIFTING BRIDGE	(11) EP3632886
(32) 26.06.2015	(73) Ing. Hans Bodner Baugesellschaft mbH	(21) EP19200444.8
(33) United States of America	& Co KG	(22) 30.09.2019
(47) 13.07.2022	(72) MACHEINER, Michael	(54) METHOD FOR THE
(51) B65D 5/06	GÖBEL, Wolfgang	HYDROFORMYLATION OF
B65D 5/40	(74) J.M.H. Duyver lic.	SHORT CHAIN OLEFINS USING A
B65D 5/02	(47) 20.07.2022	HETEROGENISED CATALYST SYSTEM
B65D 5/46	(51) C04B 18/16	WITHOUT IONIC LIQUID
B65D 5/74	C04B 20/02	(73) Evonik Operations GmbH
(11) EP3604151	(11) EP3744700	(72) Hecht, Corinna
(21) EP18775103.7	(21) EP19177076.7	Franke, Robert
(22) 27.03.2018	(22) 28.05.2019	Stenger, Frank
(54) PAPER CONTAINER	(54) IMPROVED PROCESS AND DEVICE	Kreis, Peter
(73) Nippon Paper Industries Co., Ltd.	FOR CARBONATING CONCRETE	Haßelberg, Jennifer
(72) NAKAMURA, Kouya	WASTE AND/OR SEQUESTERING CO <sub>2</sub>	Kristen, Marc Oliver
ONOMURA, Kazuhide	(73) HeidelbergCement AG	(74) ir. W.J.J.M. Kempes
ASOI, Eiichi	(72) Majchrowicz, Marek	(31) 18198787
(74) dr. A. Krebs	Federhen, Stefan	(32) 05.10.2018
(31) 2017070072	ZAJAC, Maciej	(33) European Patent Office (EPO)
(32) 31.03.2017	SKOCEK, Jan	(47) 22.06.2022
(33) Japan	BEN HAHA, Mohsen	(51) C07C 211/36
(47) 24.08.2022	(74) dr. R.C. van Duijvenbode c.s.	C08G 59/50
(51) B65D 43/02	(47) 20.07.2022	(11) EP3571182
B65D 41/32	(51) C05G 3/00	(21) EP17822567.8
B65D 43/00	C05D 1/00	(22) 04.12.2017
B65D 43/16	C05D 3/00	(54) N,N'-DIAMINOPROPYL-2-METHYL-
B65D 47/00	C05D 5/00	CYCLOHEXANE-1,3-DIAMINE AND
B65D 47/36	C05F 11/00	N,N'-DIAMINOPROPYL-4-METHYL-
B65D 47/08	C05G 5/12	CYCLOHEXANE-1,3-DIAMINE AND
B65D 55/02	C05G 5/40	THEIR USE AS HARDENERS FOR
(11) EP3565764	(11) EP3201160	EPOXY RESINS
(21) EP18736098.7	(21) EP15757552.3	(73) BASF SE
(22) 04.01.2018	(22) 27.08.2015	(72) GRUENANGER, Christian
(54) CONTAINER INCLUDING A	(54) PELLETTISING PROCESS USING	PANCHENKO, Alexander
REMOVABLE INTERLOCKING	STARCH	GORMAN, Irene
SEGMENT FOR A LID	(73) Anglo American Woodsmith Limited	STEGMANN, Veit
(73) WM. Wrigley Jr. Company	(72) FARNWORTH, Steve	MELDER, Johann-Peter
(72) BAI, Jingcheng	EVANS, Mike	GUTFRUCHT, Norbert
CHENG, Yali	EVANS, Jim	ERNST, Martin
(74) ir. W.J.J.M. Kempes	(74) dr. A. Krebs	HOFMANN, Marc
(31) 201710004008	(31) 201417290	(74) ir. W.J.J.M. Kempes
(32) 04.01.2017	(32) 30.09.2014	(31) 16202180
(33) China	(33) United Kingdom	(32) 05.12.2016
(47) 29.06.2022	(47) 22.06.2022	(33) European Patent Office (EPO)
(51) B65G 19/02	(51) C07C 17/42	(47) 22.06.2022
B65G 47/61	C07C 21/18	(51) C07C 315/02
(11) EP3380416	F01K 25/10	C07C 317/14
(21) EP16805269.4	(11) EP3856707	(11) EP3820841
(22) 23.11.2016	(21) EP19791316.3	(21) EP20757594.5
(54) TRANSPORT BAG AND METHOD	(22) 09.09.2019	(22) 20.08.2020
FOR FILLING AND EMPTYING A	(54) STABILIZATION OF 1-CHLORO-3,3,3-	(54) PROCESS FOR PRODUCING 4,4'-
TRANSPORT BAG OF THIS TYPE	TRIFLUOROPROPENE	DICHLORODIPHENYL SULFONE
(73) Ferag AG	(73) ARKEMA FRANCE	(73) BASF SE
(72) KELLER, Martin	(72) BOUTIER, Jean-Christophe	(72) GAO, Jun
KÄLIN, Erich	RACHED, Wissam	THRUN, Frauke
(74) ir. H.A. Witmans c.s.	(74) dr. R.C. van Duijvenbode c.s.	THIEL, Indre
(31) 14382016	(31) 1858817	HAMANN, Jessica Nadine
17212015	(32) 26.09.2018	SCHUETZ, Christian
(32) 27.10.2016	(33) France	BLEI, Stefan
25.11.2015	(47) 10.08.2022	(74) ir. W.J.J.M. Kempes
(33) Switzerland	(51) C07C 45/50	(31) 19193695
Switzerland	C07C 47/02	(32) 27.08.2019
(47) 20.07.2022	B01J 31/18	(33) European Patent Office (EPO)

(47) 29.06.2022	201810381425	United States of America
(51) C07D 403/12	(32) 20.08.2018	United States of America
A61K 31/497	20.08.2018	United States of America
A61P 35/00	25.04.2018	United States of America
A61P 25/00	(33) China	United States of America
A61P 31/00	China	United States of America
(11) EP3180331	China	United States of America
(21) EP15754099.8	(47) 29.06.2022	United States of America
(22) 14.08.2015	(51) C07D 471/04	United States of America
(54) POLYMORPHS OF SELINEXOR	A61K 31/437	United States of America
(73) Karyopharm Therapeutics Inc.	A61P 37/00	United States of America
(72) AUSTAD, Brian Clinton	A61P 35/00	United States of America
ROE, David G.	A61P 37/04	United States of America
(74) ir. W.J.J.M. Kempes	C07D 213/81	(47) 10.08.2022
(31) 201462038069 P	C07D 263/57	(51) C07D 471/04
(32) 15.08.2014	C07D 413/14	C07D 491/04
(33) United States of America	C07D 413/06	A61P 25/28
(47) 08.06.2022	C07D 519/00	A61K 31/4355
(51) C07D 413/14	(11) EP3558990	A61K 31/437
A61K 31/4709	(21) EP17835760.4	(11) EP3802528
A61P 25/24	(22) 21.12.2017	(21) EP19728583.6
(11) EP3596069	(54) TETRAHYDRO IMIDAZO[4,5- C]PYRIDINE DERIVATIVES AS PD-L1 INTERNALIZATION INDUCERS	(22) 20.05.2019
(21) EP18716424.9	(73) Incyte Corporation	(54) NOVEL COMPOUNDS FOR THE TREATMENT, ALLEVIATION OR PREVENTION OF DISORDERS ASSOCIATED WITH TAU AGGREGATES
(22) 16.03.2018	(72) LU, Liang	(73) AC Immune SA
(54) KAPPA OPIOID RECEPTOR ANTAGONISTS AND PRODUCTS AND METHODS RELATED THERETO	LIU, Phillip C.	(72) BOUDOU, Cedric
(73) The Scripps Research Institute	WU, Liangxing	NAMPALLY, Sreenivasachary
Blackthorn Therapeutics, Inc.	VOLGINA, Alla	GABELLIERI, Emanuele
(72) TURTLE, Eric Douglas	YAO, Wenqing	MOLETTE, Jerome
ROSEN, Hugh	MEI, Song	KROTH, Heiko
LAXAMANA, Candace Mae	ZHU, Wenyu	(74) ir. J.C. Volmer c.s.
ROBERTS, Edward	WANG, Haisheng	(31) 18175844
GUERRERO, Miguel A.	XIAO, Kaijiong	(32) 04.06.2018
URBANO, Mariangela	ZOLOTARJOVA, Nina	(33) European Patent Office (EPO)
JONES, Robert M.	WYNN, Richard	(47) 06.07.2022
ZHAO, Xianrui	QIAN, Ding-Quan	(51) C07D 471/04
(74) dr. R.C. van Duijvenbode c.s.	YE, Yingda	C07D 519/00
(31) 201762609960 P	(74) dr. R.C. van Duijvenbode c.s.	A61K 31/437
201762585447 P	(31) 201762569936 P	A61P 35/00
201762473209 P	201762551033 P	(11) EP3713941
(32) 22.12.2017	201762551011 P	(21) EP18880606.1
13.11.2017	201762487365 P	(22) 23.11.2018
17.03.2017	201762487341 P	(54) PYRAZOLOPYRIDINONE COMPOUNDS
(33) United States of America	201762487362 P	(73) Janssen Pharmaceutica NV
United States of America	201762487336 P	(72) CHEUNG, Wing Shun
United States of America	201762487457 P	GUO, Haibing
(47) 13.07.2022	201762487356 P	WAN, Zhao-Kui
(51) C07D 417/14	201662438001 P	QIN, Luoheng
C07D 241/20	201662438009 P	LIU, Qian
C07D 409/04	201662438020 P	(74) ir. W.J.J.M. Kempes
C07D 417/04	201662438038 P	(31) PCT/CN2017/112835
C07D 401/14	201662437998 P	(32) 24.11.2017
C07D 401/04	(32) 09.10.2017	(33) World Intellectual Property Office (WIPO)
C07D 213/76	28.08.2017	(47) 22.06.2022
A61K 31/4427	28.08.2017	(51) C07D 471/04
A61P 35/00	19.04.2017	C07D 519/00
(11) EP3781563	19.04.2017	A61K 31/519
(21) EP19791794.1	19.04.2017	A61P 35/00
(22) 19.04.2019	19.04.2017	(11) EP3575299
(54) HPK1 INHIBITORS, PREPARATION METHOD AND APPLICATION THEREOF	22.12.2016	(21) EP19173169.4
(73) Zhuhai Yufan Biotechnologies Co., Ltd	22.12.2016	(22) 27.02.2015
(72) LIAO, Xuebin	22.12.2016	(54) N2-PHENYL-PYRIDO[3,4- D]PYRIMIDINE-2,8-DIAMINE
(74) ir. J.D. de Zeeuw	22.12.2016	
(31) 201810946081	22.12.2016	
201810945948	(33) United States of America	

DERIVATIVES AND THEIR USE AS MPS1 INHIBITORS	C12P 21/08	C09D 7/61
(73) Cancer Research Technology Limited	G01N 33/53	C08K 3/22
(72) INNOCENTI, Paolo	G01N 33/574	C08K 3/013
WOODWARD, Hannah	A61K 39/00	(11) EP3728396
NAUD, Sébastien	A61K 47/68	(21) EP18815736.6
BLAGG, Julian	A61P 35/04	(22) 17.12.2018
HOELDER, Swen	(11) EP3521313	(54) ALKYD FOR PIGMENT PASTE
(74) dr. A. Krebs	(21) EP18203986.7	(73) Akzo Nobel Coatings International B.V.
(31) 201403536	(22) 21.11.2012	(72) VAN STREUN, Karel Hindrik
(32) 28.02.2014	(54) ANTI-HUMAN TROP-2 ANTIBODY	RIJLAARSDAM, Eric Harry Jacobus
(33) United Kingdom	HAVING AN ANTITUMOR ACTIVITY IN	(74) ir. W.J.J.M. Kempes
(47) 20.07.2022	VIVO	(31) 17208977
(51) C07G 1/00	(73) Chiome Bioscience Inc.	(32) 20.12.2017
C08H 7/00	(72) OKAMURA, Kentaro	(33) European Patent Office (EPO)
C08L 97/00	YANAI, Hiroyuki	(47) 22.06.2022
(11) EP3401322	KANKE, Toru	(51) C08K 3/04
(21) EP18180953.4	NAKAMURA, Koji	C08J 3/20
(22) 02.04.2012	TAMURA, Maki	C08L 59/04
(54) LIGNOCELLULOSE CONVERSION	TSURUSHITA, Naoya	(11) EP3790924
PROCESSES AND PRODUCTS	KUMAR, Shankar	(21) EP19722900.8
(73) Virdia, LLC	(74) dr. R.C. van Duijvenbode c.s.	(22) 08.05.2019
(72) JANSEN, Robert	(31) 201161562672 P	(54) METHOD FOR THE PRODUCTION OF
EYAL, Aharon	(32) 22.11.2011	A COLORED POLYOXYMETHYLENE
(74) J.M.H. Duyver lic.	(33) United States of America	COPOLYMER
(31) 201161483663 P	(47) 27.07.2022	(73) BASF SE
201161473134 P	(51) C08G 18/48	Kolon Plastics Inc.
(32) 07.05.2011	C08G 18/12	(72) DEMETER, Jürgen
07.04.2011	C08G 18/34	HEITZ, Thomas
(33) United States of America	C08G 18/40	CHOI, Jin-Sang
United States of America	(11) EP3692085	(74) ir. W.J.J.M. Kempes
(47) 08.06.2022	(21) EP18778930.0	(31) 18171636
(51) C07K 14/435	(22) 02.10.2018	(32) 09.05.2018
G01N 33/50	(54) VISCO-ELASTIC ELEMENT BASED ON	(33) European Patent Office (EPO)
(11) EP2970412	A POLYURETHANE FOAM	(47) 06.07.2022
(21) EP14769752.8	(73) Covestro Deutschland AG	(51) C09K 3/30
(22) 13.03.2014	(72) WEISER, Marc-Stephan	C09K 5/04
(54) ACTIVATION OF BIOLUMINESCENCE	PLUG, Sascha	C08J 9/14
BY STRUCTURAL	DÖRR, Sebastian	C07C 21/18
COMPLEMENTATION	MOTLEY, Jeffrey	(11) EP2634231
(73) Promega Corporation	(74) ir. W.J.J.M. Kempes	(21) EP13169895.3
(72) WOOD, Keith	(31) 17195351	(22) 07.05.2009
MACHLEIDT, Thomas	(32) 07.10.2017	(54) Compositions
MONDAL, Subhanjan	(33) European Patent Office (EPO)	(73) The Chemours Company FC, LLC
ENCELL, Lance	(47) 22.06.2022	(72) Mahler, Barry Asher
WOOD, Monika	(51) C08G 63/47	Nappa, Mario Joseph
DIXON, Andrew, S.	A61L 15/26	(74) ir. H.A. Witmans c.s.
MEISENHEIMER, Poncho	A61L 26/00	(31) 126810
UNCH, James	C09J 167/06	(32) 07.05.2008
ROBERS, Matthew	(11) EP3310842	(33) United States of America
HALL, Mary	(21) EP16730819.6	(47) 29.06.2022
SCHWINN, Marie	(22) 17.06.2016	(51) C10L 5/36
BINKOWSKI, Brock, F.	(54) SEALANT COMPOSITION	B02C 21/00
ZEGZOUTI, Hicham	(73) Tissium SA	C10J 3/00
NATH, Nidhi	(72) PEREIRA, Maria	C10L 5/44
GOUELI, Said	BRILLAUD, Elsa	C10L 9/08
KIRKLAND, Thomas	(31) 201562181270 P	C10B 53/02
PULUKKUNAT, Dileep, K.	15172795	C10B 57/14
DART, Melanie	(32) 18.06.2015	C10J 3/62
(74) dr. ir. F.M. van Bouwelen	18.06.2015	C10B 49/02
(31) 201361791549 P	(33) United States of America	(11) EP3810732
(32) 15.03.2013	European Patent Office (EPO)	(21) EP19729301.2
(33) United States of America	(47) 29.06.2022	(22) 12.06.2019
(47) 10.08.2022	(51) C08G 63/48	(54) METHOD FOR PROCESSING
(51) C07K 16/30	C09D 17/00	BIOMASS BY CO-GRINDING WITH A
A61K 39/395	C08G 63/52	SECOND BIOMASS FEEDSTOCK
A61P 35/00	C08G 63/91	(73) IFP Energies nouvelles
C12N 15/09	C09D 167/07	AXENS
	C09D 167/08	

Commissariat à l'Energie Atomique et aux Energies Alternatives	13156701	European Patent Office (EPO)
Total Raffinage Chimie	13156688	European Patent Office (EPO)
thyssenkrupp Industrial Solutions AG	13156698	European Patent Office (EPO)
Avril	13156678	European Patent Office (EPO)
Bionext	13156696	European Patent Office (EPO)
(72) ULLRICH, Norbert	13156685	European Patent Office (EPO)
PLENNEVAUX, Thomas	13156694	European Patent Office (EPO)
GAZARIAN, Jeremy	13156679	European Patent Office (EPO)
BOURNAY, Laurent	13156693	European Patent Office (EPO)
HECQUET, Michael	13156684	European Patent Office (EPO)
(74) ir. W.J.J.M. Kempes	13156692	European Patent Office (EPO)
(31) 1855487	13153833	European Patent Office (EPO)
(32) 21.06.2018	13153821	European Patent Office (EPO)
(33) France	13153823	European Patent Office (EPO)
(47) 08.06.2022	13153825	European Patent Office (EPO)
(51) C11C 1/00	13153828	European Patent Office (EPO)
C11C 1/04	13153841	European Patent Office (EPO)
C11C 1/10	13153840	European Patent Office (EPO)
(11) EP3728534	13153839	(47) 22.06.2022
(21) EP18839676.6	13153837	(51) C12N 9/64
(22) 17.12.2018	13153836	(11) EP3411478
(54) A PROCESS FOR PRODUCING FREE FATTY ACIDS	13153835	(21) EP17705236.2
(73) Neste Oyj	13153834	(22) 31.01.2017
(72) MALM, Annika	13153831	(54) OPTIMIZED FACTOR VIII GENES
PIILOLA, Rami	13153829	(73) Bioverativ Therapeutics Inc.
PASANEN, Jukka-Pekka	13153824	(72) TAN, Siyuan
(74) ir. W.J.J.M. Kempes	(32) 26.02.2013	LIU, Tongyao
(31) 20176150	26.02.2013	(74) ir. W.J.J.M. Kempes
(32) 22.12.2017	26.02.2013	(31) 201662409739 P
(33) Finland	26.02.2013	201662289696 P
(47) 06.07.2022	26.02.2013	(32) 18.10.2016
(51) C12N 5/00	26.02.2013	01.02.2016
C12N 15/00	26.02.2013	(33) United States of America
C12N 15/87	26.02.2013	United States of America
C12N 15/74	26.02.2013	(47) 08.06.2022
A61K 48/00	26.02.2013	(51) C12P 19/56
C07H 21/04	26.02.2013	A23L 27/30
(11) EP3122870	26.02.2013	C07H 15/24
(21) EP15768011.7	26.02.2013	C07H 15/256
(22) 25.03.2015	04.02.2013	(11) EP3708672
(54) METHODS AND GENETIC SYSTEMS FOR CELL ENGINEERING	04.02.2013	(21) EP18889759.9
(73) Ginkgo Bioworks Inc.	04.02.2013	(22) 14.12.2018
(72) BOYLE, Patrick	04.02.2013	(54) METHOD FOR PRODUCING TRANSGLUCOSYLATED STEVIOL GLYCOSIDE USING LACTOBACILLUS MALI
SHETTY, Reshma P.	04.02.2013	(73) CJ Cheiljedang Corporation
(74) dr. R.C. van Duijvenbode c.s.	04.02.2013	(72) CHU, Sun
(31) 201461970024 P	04.02.2013	PARK, Sunghye
(32) 25.03.2014	04.02.2013	YANG, Tae Joo
(33) United States of America	04.02.2013	LEE, Young Mi
(47) 29.06.2022	04.02.2013	KANG, In Sung
(51) C12N 9/24	04.02.2013	LEE, Young Su
C12R 1/645	04.02.2013	KIM, Seong Bo
(11) EP3686280	04.02.2013	CHOI, Eun Jung
(21) EP20154581.1	04.02.2013	(74) dr. R.C. van Duijvenbode c.s.
(22) 03.02.2014	(33) European Patent Office (EPO)	(31) 20170173569
(54) CARBOHYDRATE DEGRADING POLYPEPTIDE AND USES THEREOF	European Patent Office (EPO)	(32) 15.12.2017
(73) DSM IP Assets B.V.	European Patent Office (EPO)	(33) Korea (Republic)
(72) LOS, Alrik Pieter	European Patent Office (EPO)	(47) 10.08.2022
DE JONG, René Marcel	European Patent Office (EPO)	(51) C12Q 1/34
APPELDOORN, Maaïke	European Patent Office (EPO)	(11) EP3818169
(74) ir. W.J.J.M. Kempes	European Patent Office (EPO)	(21) EP19735571.2
(31) 13156703	European Patent Office (EPO)	(22) 05.07.2019
13156690	European Patent Office (EPO)	(54) METHOD FOR DETECTING SYNOVIAL JOINT INFECTIONS
13156702	European Patent Office (EPO)	(73) Qualizyme Diagnostics GmbH & Co KG
13156682	European Patent Office (EPO)	(72) HEINZLE, Andrea

GAMERITH, Clemens	(11) EP3656924	E21B 17/10
LUSCHNIG, Daniel	(21) EP18208381.6	E21B 10/28
SIGL, Eva	(22) 26.11.2018	(11) EP2427625
(74) J.M.H. Duyver lic.	(54) END TERMINAL FOR A SAFETY	(21) EP10771943.7
(31) 18182042	GUARDRAIL	(22) 05.05.2010
(32) 05.07.2018	(73) Tata Steel UK Limited	(54) SLIDE REAMER AND STABILIZER
(33) European Patent Office (EPO)	(72) MUSTARD, Trevor Raymond	TOOL
(47) 15.06.2022	BLOWEY, Andrew Thomas	(73) Dynamax Drilling Tools Inc.
(51) C23C 14/56	LONG, Raymond William	(72) HARVEY, Michael, James
C23C 14/50	SIRMAN, Steven Charles	VACAR, Jovan
C23C 14/24	(74) ir. A. Blokland c.s.	RAJIC, Milan
C23C 14/16	(47) 22.06.2022	(74) dr. A. Krebs
B65H 23/032	(51) E04C 2/04	(31) 2665260
B65H 23/02	E04C 2/26	(32) 06.05.2009
B65H 23/038	G08C 17/02	(33) Canada
(11) EP3802910	(11) EP3830357	(47) 15.06.2022
(21) EP19719252.9	(21) EP19758841.1	(51) F16G 13/16
(22) 18.04.2019	(22) 25.07.2019	H02G 11/00
(54) VACUUM-COATING SYSTEM AND	(54) CONSTRUCTION PANEL WITH	(11) EP3894720
METHOD FOR COATING A BAND-TYPE	SENSOR ASSEMBLY	(21) EP20704781.2
MATERIAL	(73) Georgia-Pacific Gypsum LLC	(22) 22.01.2020
(73) SMS Group GmbH	(72) HARRISON, Charles R.	(54) OPERATIONALLY STABLE SIDE PLATE
(72) KÜMMEL, Lutz	GOLLOB, Lawrence	FOR AN ENERGY CHAIN
DAUBE, Thomas	SHELTON, Clarence A.	(73) Igus GmbH
(74) ir. F.A. Geurts c.s.	GILLEY, Stuart Brandon	(72) HERMEY, Andreas
(31) 102018215100	FIERBAUGH, Timothy R.	JAEKER, Thilo-Alexander
102018208335	(74) J.M.H. Duyver lic.	THEISS, Georg
(32) 05.09.2018	(31) 201816047132	STRACK, Stefan
28.05.2018	(32) 27.07.2018	(74) dr. ir. G.J.C. Verdijk c.s.
(33) Germany	(33) United States of America	(31) 202019100465 U
Germany	(47) 17.08.2022	(32) 25.01.2019
(47) 20.07.2022	(51) E05B 47/00	(33) Germany
(51) D03D 15/567	E05B 47/02	(47) 08.06.2022
D03D 27/08	E05C 9/06	(51) F21S 4/22
(11) EP3141643	E05C 9/18	F21V 21/088
(21) EP16188260.0	(11) EP3702555	B66B 11/00
(22) 12.09.2016	(21) EP20159745.7	F21S 8/06
(54) TERRY ARTICLE WITH SYNTHETIC	(22) 27.02.2020	F21Y 115/10
FILAMENT YARNS AND METHOD OF	(54) DOOR OR WINDOW ARRANGEMENT	F21Y 103/10
MAKING SAME	WITH A DRIVE UNIT IN THE WINDOW	(11) EP3844435
(73) Welspun India Limited	FRAME	(21) EP19758687.8
(72) Goenka, Dipali	(73) Veka AG	(22) 21.08.2019
(74) dr. W.A.H.M. Van Borm	Gröninger Antriebstechnik GmbH & Co.	(54) LIGHTING DEVICE
(31) 3474MU2015	KG	(73) Konnex B.V.
201514866916	(72) KALVERKAMP, Philipp	(72) BALKE, Ingmar
(32) 10.09.2015	GRÖNINGER, Matthias	KRÄUTNER, Peter
26.09.2015	GRÜNER, Holger	(74) ir. F.A. Geurts c.s.
(33) India	(74) ir. A. Blokland c.s.	(31) 102018121325
United States of America	(31) 102019105034	(32) 31.08.2018
(47) 08.06.2022	(32) 27.02.2019	(33) Germany
(51) D04H 1/64	(33) Germany	(47) 13.07.2022
A41D 31/00	(47) 08.06.2022	(51) F23N 5/02
D04H 13/00	(51) E06B 9/15	(11) EP3816513
(11) EP3450602	E06B 9/24	(21) EP19205660.4
(21) EP18186753.2	G09F 9/33	(22) 28.10.2019
(22) 01.08.2018	G09F 27/00	(54) METHOD FOR IMPROVING
(54) WADDING STRUCTURE FOR USE AS	(11) EP3792443	THE HOMOGENIZATION OF
PADDING, AND METHOD FOR ITS	(21) EP19727442.6	THE TEMPERATURES IN A
PRODUCTION	(22) 07.05.2019	STEAM METHANE REFORMER
(73) Fisi Fibre Sintetice S.p.A.	(54) A SECURITY CLOSURE	BY ADJUSTING THE POWER
(72) SINISCALCHI, Lucio	(73) BLIND LED S.L.	DISTRIBUTION
SINISCALCHI, Patrizio	(72) MARTINEZ DE MIGUEL, Raul	(73) L'AIR LIQUIDE, SOCIETE ANONYME
(74) dr. G. Visser-Luirink	(74) dr. A. Krebs	POUR L'ETUDE ET L'EXPLOITATION
(31) 201700097547	(31) 201830638 U	DES PROCÉDES GEORGES CLAUDE
(32) 30.08.2017	(32) 07.05.2018	(72) LODIER, Guillaume
(33) Italy	(33) Spain	TUDORACHE, Diana
(47) 29.06.2022	(47) 08.06.2022	AMMOURI, Fouad
(51) E01F 15/14	(51) E21B 10/30	LAGARDE, Julien

(74) ir. W.J.J.M. Kempes	(72) SIRAT, Gabriel, Y.	G02B 27/48
(47) 22.06.2022	MOISAN, Lionel	G02B 5/08
(51) F27D 11/10	BRAITBART, Louis Philippe	G02B 27/09
F16J 15/22	(74) ir. A. Blokland c.s.	(11) EP2823360
F16J 15/56	(31) 1201095	(21) EP13707849.9
H05B 7/12	1201094	(22) 04.03.2013
(11) EP3137835	(32) 13.04.2012	(54) ILLUMINATION OPTICS FOR EUV
(21) EP15785945.5	13.04.2012	PROJECTION LITHOGRAPHY AND
(22) 27.04.2015	(33) France	OPTICAL SYSTEM HAVING SUCH AN
(54) SLEEVE SEAL FOR ELECTRIC	France	ILLUMINATION OPTICS
FURNACE ELECTRODES	(47) 01.06.2022	(73) Carl Zeiss SMT GmbH
(73) Hatch Ltd.	(51) G01R 33/563	(72) PATRA, Michael
(72) HALEY, Stephen D.	A61B 5/055	DEGÜNTHER, Markus
(74) dr. R.C. van Duijvenbode c.s.	G01R 33/50	(74) ir. W.J.J.M. Kempes
(31) 201461985026 P	G01R 33/54	(31) 102012218076
(32) 28.04.2014	(11) EP2636365	102012203716
(33) United States of America	(21) EP11820857.8	201261709510 P
(47) 08.06.2022	(22) 25.10.2011	201261608685 P
(51) F41A 3/66	(54) MAGNETIC RESONANCE IMAGING	(32) 04.10.2012
F41A 9/32	DEVICE AND MAGNETIC RESONANCE	09.03.2012
F42B 39/08	IMAGING METHOD	04.10.2012
(11) EP3682182	(73) Toshiba Medical Systems Corporation	09.03.2012
(21) EP18762867.2	(72) KUHARA, Shigehide	(33) Germany
(22) 10.09.2018	(74) ir. H.A. Witmans c.s.	Germany
(54) MACHINE GUN	(31) 2010247507	United States of America
(73) FN Herstal SA	(32) 04.11.2010	United States of America
(72) FRANSSEN, Pascal Marcel Henri Denis	(33) Japan	(47) 22.06.2022
BECKERS, Robert	(47) 29.06.2022	(51) G03G 21/16
MICHOTTE, Paul	(51) G01V 1/42	(11) EP3722884
VERHAEGEN, Damien Nicole Freddy	G01V 1/38	(21) EP20167541.0
GODBILLE, Antoine	G01V 1/36	(22) 01.04.2020
(31) 17198580	(11) EP3201654	(54) IMAGE FORMING APPARATUS
17190388	(21) EP15778527.0	(73) Ricoh Company, Ltd.
(32) 26.10.2017	(22) 29.09.2015	(72) MAEHATA, Yasuhiro
11.09.2017	(54) BLENDED SHOOTING ACQUISITION	TAKAGI, Hiroaki
(33) European Patent Office (EPO)	OF INDEPENDENT SOURCES	TOMITA, Kenji
European Patent Office (EPO)	WITH VERTICAL SEISMIC PROFILE	(74) ir. H.A. Witmans c.s.
(47) 08.06.2022	RECORDING	(31) 2019222336
(51) G01J 3/28	(73) BP Corporation North America Inc.	2019074624
(11) EP3899462	(72) ZHOU, Min	(32) 09.12.2019
(21) EP19818077.0	NARANJO, John	10.04.2019
(22) 13.12.2019	HORNBY, Brian, Edward	(33) Japan
(54) METHOD FOR THE IDENTIFICATION	ABMA, Raymond, Lee	Japan
OF AN INCORRECTLY CALIBRATED	HOWE, David, John	(47) 24.08.2022
OR NON-CALIBRATED INFRARED	(74) ir. F.A. Geurts c.s.	(51) G06F 3/01
SPECTROMETER AND FOR THE	(31) 201462057320 P	A47C 20/00
CORRECTION OF A SPECTRUM	(32) 30.09.2014	A47C 9/00
RECORDED ON AN INCORRECTLY	(33) United States of America	G06F 3/033
OR NON-CALIBRATED INFRARED	(47) 27.07.2022	G06F 21/32
SPECTROMETER	(51) G02B 13/08	A63F 13/428
(73) Evonik Operations GmbH	G02B 17/06	A63F 13/212
(72) REIMANN, Ingolf	G03F 7/20	(11) EP3427127
REISING, Joachim	(11) EP2616865	(21) EP17708533.9
MÜLLER, Christoph	(21) EP11763883.3	(22) 06.03.2017
(74) ir. W.J.J.M. Kempes	(22) 13.09.2011	(54) OCCUPANT SUPPORT DEVICE
(31) 18212853	(54) IMAGING OPTICAL SYSTEM	AND SYSTEM FOR CONTROLLING
(32) 17.12.2018	(73) Carl Zeiss SMT GmbH	OBJECTS
(33) European Patent Office (EPO)	(72) MANN, Hans-Jürgen	(73) LIMBIC LIFE AG
(47) 22.06.2022	(74) ir. W.J.J.M. Kempes	(72) KÜNZLER, Patrik
(51) G01Q 60/20	(31) 102010040811	(74) ir. H.A. Witmans c.s.
G02B 21/00	383079 P	(31) 16189006
G02B 27/00	(32) 15.09.2010	16159784
(11) EP2839298	15.09.2010	(32) 15.09.2016
(21) EP13723827.5	(33) Germany	11.03.2016
(22) 11.04.2013	United States of America	(33) European Patent Office (EPO)
(54) OPTICAL MEASUREMENT METHOD	(47) 29.06.2022	European Patent Office (EPO)
AND DEVICE	(51) G03F 7/20	(47) 15.06.2022
(73) Bioaxial SAS	G02B 5/09	(51) G06F 7/48

G06F 7/483	YANG, Song	(73) Samsung Electronics Co., Ltd.
G06F 7/57	WARREN, Joseph Ryan	(72) JUNG, Jaeho
G06F 7/487	HAQUE, Enamul	SUNG, Yeultak
G06F 9/30	(74) dr. R.C. van Duijvenbode c.s.	(74) dr. R.C. van Duijvenbode c.s.
(11) EP3629147	(31) 201815904884	(31) 20170180036
(21) EP19182449.9	(32) 26.02.2018	(32) 26.12.2017
(22) 25.06.2019	(33) United States of America	(33) Korea (Republic)
(54) COMPUTER PROCESSOR FOR HIGHER PRECISION COMPUTATIONS USING A MIXED-PRECISION DECOMPOSITION OF OPERATIONS	(47) 03.08.2022	(47) 27.07.2022
(73) INTEL Corporation	(51) G06F 21/36	(51) G10L 19/002
(72) HENRY, Gregory	H04L 9/32	G10L 19/02
HEINECKE, Alexander	G09C 5/00	G10L 19/26
(74) ir. W.J.J.M. Kempes	G06K 9/00	(11) EP3664085
(31) 201816144964	G06F 21/87	(21) EP19191869.7
(32) 27.09.2018	(11) EP3740889	(22) 23.05.2012
(33) United States of America	(21) EP19705983.5	(54) SIGNAL CODING AND DECODING METHODS AND DEVICES
(47) 06.07.2022	(22) 16.01.2019	(73) Huawei Technologies Co., Ltd.
(51) G06F 8/61	(54) DEVICE AND METHOD FOR COMPARING GEOMETRIC FILES	(72) LIU, Zexin
G06F 8/71	(73) Xyalis	MIAO, Lei
(11) EP3488337	(72) BEISSER, Eric	QI, Fengyan
(21) EP17795109.2	BRAULT, Frederic	(74) ir. W.J.J.M. Kempes
(22) 18.10.2017	MOREY-CHAISEMARTIN, Philippe	(31) 201210087702
(54) SHARED SOFTWARE LIBRARIES FOR COMPUTING DEVICES	BENZAKOUR, Farid	(32) 29.03.2012
(73) Google LLC	(74) ir. W.J.J.M. Kempes	(33) China
(72) GANOV, Svetoslav	(31) 1850383	(47) 06.07.2022
KENNEDY, Todd	(32) 17.01.2018	(51) G10L 19/005
FONTS, Agustin	(33) France	(11) EP3594942
HACKBORN, Dianne	(47) 22.06.2022	(21) EP19162439.4
(74) dr. A. Krebs	(51) G06K 9/62	(22) 09.05.2014
(31) 201715643410	(11) EP3394795	(54) DECODING METHOD AND DECODING APPARATUS
201762471298 P	(21) EP16819570.9	(73) Huawei Technologies Co., Ltd.
(32) 06.07.2017	(22) 22.12.2016	(72) MIAO, Lei
14.03.2017	(54) METHOD FOR DETECTING A TOWBAR AND ASSOCIATED COMPUTER PROGRAM PRODUCT	WANG, Bin
(33) United States of America	(73) Revenue Collection Systems France	LIU, Zexin
United States of America	SAS	(74) ir. W.J.J.M. Kempes
(47) 24.08.2022	(72) MARCONI, Philippe	(31) 201310298040
(51) G06F 9/30	(74) dr. R.C. van Duijvenbode c.s.	(32) 16.07.2013
(11) EP3779680	(31) 1502686	(33) China
(21) EP20196607.4	(32) 23.12.2015	(47) 06.07.2022
(22) 19.02.2018	(33) France	(51) H01M 4/62
(54) PERMUTING IN A MATRIX-VECTOR PROCESSOR	(47) 13.07.2022	H01M 4/131
(73) Google LLC	(51) G06Q 30/06	H01M 4/66
(72) WOO, Dong Hyuk	(11) EP3539075	H01M 10/052
THORSON, Gregory Michael	(21) EP17881596.5	H01M 4/36
PHELPS, Andrew Everett	(22) 11.10.2017	H01M 4/02
TEMAM, Olivier	(54) MULTI-FACTOR ROUTING SYSTEM FOR EXCHANGING BUSINESS TRANSACTIONS	(11) EP3654425
ROSS, Jonathan	(73) Global Healthcare Exchange, LLC	(21) EP19177477.7
CLARK, Christopher Aaron	(72) COCHRAN, Steve	(22) 30.05.2019
(74) ir. H.Th. van den Heuvel c.s.	EL-SEBAALY, Hatem	(54) A BATTERY
(31) 201715496418	DE CALIGNON, Martin, Braure	(73) Contemporary Amperex Technology Co., Limited
201762460394 P	SCHANKER, Dave	(72) LI, Zhenhua
(32) 25.04.2017	LI, Hesheng	LIN, Yongshou
17.02.2017	(74) ir. H.A. Witmans c.s.	JIN, Haizu
(33) United States of America	(31) 201615377827	ZHAO, Fenggang
United States of America	(32) 13.12.2016	ZHANG, Xiaowen
(47) 22.06.2022	(33) United States of America	(74) dr. R.C. van Duijvenbode c.s.
(51) G06F 9/54	(47) 29.06.2022	(31) 201811367128
(11) EP3759603	(51) G06T 5/00	(32) 16.11.2018
(21) EP19707681.3	(11) EP3754592	(33) China
(22) 18.02.2019	(21) EP20190447.1	(47) 17.08.2022
(54) IN-LINE EVENT HANDLERS ACROSS DOMAINS	(22) 26.12.2018	(51) H01M 10/36
(73) Microsoft Technology Licensing, LLC	(54) IMAGE ACQUISITION DEVICE AND METHOD OF CONTROLLING THE SAME	H01M 4/64
(72) MURAIRA, Juan Pablo		H01M 4/02
		(11) EP3284133
		(21) EP16780412.9
		(22) 22.02.2016

(54) RANDOMLY SHAPED THREE DIMENSIONAL BATTERY CELL WITH SHAPE CONFORMING CONDUCTIVE COVERING	(54) RECTIFYING CONTROL MODULE, ACTIVE BRIDGE RECTIFYING CONTROL APPARATUS, AND METHOD OF OPERATING THE SAME	United States of America (47) 29.06.2022
(73) INTEL Corporation	(73) Delta Electronics, Inc.	(51) H04L 1/18 H04W 72/12 H04L 5/14
(72) KEATES, Andrew W.	(72) TSAI, Jen-Chieh	H04L 5/00 H04B 7/26 H04L 1/00
(74) ir. W.J.J.M. Kempes	WEN, Sheng-Yu LIN, Cheng-Yi	(11) EP2901599 (21) EP13776639.0 (22) 26.09.2013
(31) 201514686490	(74) dr. A. Ellens c.s.	(54) METHODS FOR DYNAMIC TDD UPLINK/DOWNLINK CONFIGURATION
(32) 14.04.2015	(31) 201910469743	(73) Interdigital Patent Holdings, Inc.
(33) United States of America	(32) 31.05.2019	(72) STERN-BERKOWITZ, Janet, A.
(47) 03.08.2022	(33) China	SADEGHI, Pouriya TAMAKI, Nobuyuki LEE, Moon-il PELLETIER, Ghyslain SUN, Li-Hsiang RUDOLF, Marian
(51) H01M 50/50	(47) 20.07.2022	(31) 201361863359 P 201361753354 P 201261705936 P
H01M 50/55	(51) H04B 5/00	(32) 07.08.2013 16.01.2013 26.09.2012
H01M 50/533	H02J 7/02	(33) United States of America United States of America United States of America
H01M 50/553	H04W 76/14	(47) 29.06.2022
(11) EP3745523	H02J 50/12	(51) H04L 5/00 H04L 27/26 H04W 72/04 H04W 84/12
(21) EP18907695.3	H02J 50/40	(11) EP3143820 (21) EP15807463.3 (22) 12.06.2015
(22) 02.04.2018	H02J 50/60	(54) APPARATUS AND METHOD FOR OFDMA TONE ALLOCATION IN NEXT GENERATION WI-FI NETWORKS
(54) SECONDARY BATTERY AND AUTOMOBILE	H02J 50/80	(73) Huawei Technologies Co. Ltd.
(73) Contemporary Amperex Technology Co., Limited	(11) EP3661068	(72) SUH, Jung Hoon ABOUL-MAGD, Osama
(72) WANG, Peng	(21) EP19219528.7	(74) ir. W.J.J.M. Kempes
GUO, Zhijun	(22) 30.04.2014	(31) 201462028208 P 201462020902 P 201462011475 P
ZHANG, Jie	(54) WIRELESS POWER TRANSMITTER, WIRELESS POWER RECEIVER AND CONTROL METHOD THEREOF	(32) 23.07.2014 03.07.2014 12.06.2014
CHEN, Bing	(73) Samsung Electronics Co., Ltd.	(33) United States of America United States of America United States of America
ZHOU, Yong	(72) Lee, Kyung-Woo	(47) 29.06.2022
(74) J.M.H. Duyver lic.	Kwon, Hyuk-Choon	(51) H04L 12/14 H04W 76/12 H04W 76/14 H04M 15/00 H04W 88/04 H04W 92/24 H04L 45/74
(31) 201810173296	Byun, Kang-Ho	(11) EP3536022 (21) EP17867696.1 (22) 01.11.2017
(32) 01.03.2018	Jung, Soo-Yeon	(54) SERVICE DIFFERENTIATION FOR DEVICES CONNECTED TO A UE AS A ROUTER
(33) China	Jung, Hee-Won	
(47) 17.08.2022	Lee, Ho-Seong	
(51) H02J 3/14	(74) dr. R.C. van Duijvenbode c.s.	
H02J 3/38	(31) 20130050296	
(11) EP3545599	(32) 03.05.2013	
(21) EP17822146.1	(33) Korea (Republic)	
(22) 23.11.2017	(47) 27.07.2022	
(54) METHOD FOR FEEDING ELECTRICAL POWER INTO AN ELECTRICAL SUPPLY NETWORK	(51) H04L 1/18	
(73) Wobben Properties GmbH	H04L 27/34	
(72) BROMBACH, Johannes	(11) EP3799343	
(74) dr. R.C. van Duijvenbode c.s.	(21) EP20205107.4	
(31) 102016122580	(22) 25.01.2013	
(32) 23.11.2016	(54) METHOD AND APPARATUS FOR TRANSMITTING UPLINK CONTROL INFORMATION IN WIRELESS COMMUNICATION SYSTEM	
(33) Germany	(73) BlackBerry Limited	
(47) 13.07.2022	(72) YI, Yun Jung	
(51) H02J 7/00	SEO, Dong Youn	
H02J 3/34	AHN, Joon Kui	
B60L 53/30	YANG, Suck Chel	
(11) EP3678278	KIM, Bong Hoe	
(21) EP19150044.6	(74) ir. W.J.J.M. Kempes	
(22) 02.01.2019	(31) 201261678620 P	
(54) CHARGING STATION WITH HIGH FREQUENCY DISTRIBUTION NETWORK	201261668428 P	
(73) ABB Schweiz AG	201261650985 P	
(72) Canales, Francisco	201261635828 P	
Park, Ki-Bum	201261591281 P	
(74) ir. W.J.J.M. Kempes	(32) 01.08.2012	
(47) 08.06.2022	05.07.2012	
(51) H02M 1/08	23.05.2012	
H02M 7/219	19.04.2012	
H02M 1/36	27.01.2012	
(11) EP3745570	(33) United States of America	
(21) EP20155175.1	United States of America	
(22) 03.02.2020	United States of America	
	United States of America	

(73) Telefonaktiebolaget LM Ericsson (publ)	(47) 20.07.2022	(31) 2006698
(72) GAN, Juying	(51) H04M 1/72403	(32) 29.04.2011
FERNANDEZ ALONSO, Susana	(11) EP3779652	(33) Netherlands
YANG, Hui	(21) EP20186895.7	(47) 08.06.2022
ZHU, Jinyin	(22) 23.09.2011	(51) H04N 13/00
(74) ir. A. Blokland c.s.	(54) METHOD AND APPARATUS FOR	G06T 7/593
(31) PCT/CN2016/104944	EDITING HOME SCREEN IN TOUCH	B60W 30/00
(32) 07.11.2016	DEVICE	G01S 13/93
(33) World Intellectual Property Office (WIPO)	(73) Samsung Electronics Co., Ltd.	G05D 1/02
(47) 08.06.2022	(72) LIM, Wan Soo	H04N 13/243
(51) H04L 45/586	LEE, Sang Ki	H04N 13/296
H04L 49/00	YOUN, Su Jung	H04N 13/128
H04L 49/20	LIM, Kyoung Ae	H04N 13/239
G06F 9/455	SHIM, Su Mi	G06K 9/00
(11) EP3716552	(74) dr. R.C. van Duijvenbode c.s.	(11) EP3285485
(21) EP20169758.8	(31) 20100092840	(21) EP17161881.2
(22) 29.10.2015	(32) 24.09.2010	(22) 20.03.2017
(54) UNIVERSAL CUSTOMER PREMISES	(33) Korea (Republic)	(54) STEREO CAMERA-BASED
EQUIPMENT	(47) 10.08.2022	AUTONOMOUS DRIVING METHOD
(73) Ciena Corporation	(51) H04N 1/00	AND APPARATUS
(72) BAYS, Robert	H04N 1/32	(73) Samsung Electronics Co., Ltd
(74) ir. H.A. Witmans c.s.	G06F 3/12	(72) Kim, Changhyun
(31) 201514925809	(11) EP3136702	Kang, Hyoa
201562241059 P	(21) EP16192216.6	Shin, Changwoo
201462075175 P	(22) 22.12.2005	Cho, Baek Hwan
201462072971 P	(54) IMAGE FORMING SYSTEM	Ji, Derek Daehyun
(32) 28.10.2015	INCLUDING AN IMAGE FORMING	(74) ir. H.A. Witmans c.s.
13.10.2015	APPARATUS WITH INTEGRATED	(31) 20160103488
04.11.2014	WEB BROWSER FOR RECEIVING	(32) 16.08.2016
30.10.2014	SCREEN DATA FROM AN EXTERNAL	(33) Korea (Republic)
(33) United States of America	SERVER AND AN INTEGRATED WEB	(47) 08.06.2022
United States of America	SERVER FOR RECEIVING AN IMAGE	(51) H04R 3/00
United States of America	PROCESSING EXECUTION REQUEST	G06F 3/01
United States of America	FROM SAID EXTERNAL SERVER	H04R 1/02
(47) 29.06.2022	(73) Ricoh Company, Ltd.	H04R 5/033
(51) H04L 67/104	(72) ITO, Tatsuo	H04R 25/00
(11) EP3029910	TERAMURA, Shinsuke	H04S 7/00
(21) EP14195985.8	TAKEUCHI, Sachiko	H04R 1/10
(22) 03.12.2014	YAGIURA, Yutaka	(11) EP3411873
(54) Device and method for controlling	(74) ir. H.A. Witmans c.s.	(21) EP17748174.4
rendering in a network	(31) 2005362345	(22) 02.02.2017
(73) TOP Victory Investments Limited	2005362344	(54) TECHNIQUE FOR DIRECTING AUDIO
(72) Jain, Vikas	2005355737	IN AUGMENTED REALITY SYSTEM
(74) dr. R.C. van Duijvenbode c.s.	2005077645	(73) Magic Leap, Inc.
(47) 20.07.2022	2004371396	(72) SANGER, George Alistair
(51) H04L 67/142	2004371398	MILLER, Samuel A.
H04L 67/306	(32) 15.12.2005	SCHMIDT, Brian
G06F 9/455	15.12.2005	TAJIK, Anastasia Andreyevna
(11) EP3567481	09.12.2005	(74) ir. W.J.J.M. Kempes
(21) EP19166886.2	17.03.2005	(31) 201662291363 P
(22) 02.04.2019	22.12.2004	(32) 04.02.2016
(54) VIRTUALIZATION ENVIRONMENT	22.12.2004	(33) United States of America
PROVIDING USER-BASED SEARCH	(33) Japan	(47) 13.07.2022
INDEX ROAMING AND RELATED	Japan	(51) H04W 4/70
METHODS	Japan	H04W 48/12
(73) Citrix Systems, Inc.	Japan	H04L 5/00
(72) XIANG, Hai	Japan	(11) EP3251414
LIN, Rulei	Japan	(21) EP16702910.7
YAO, Yajun	(47) 06.07.2022	(22) 29.01.2016
(31) 201810413977	(51) H04N 1/195	(54) SYSTEM INFORMATION BLOCK
201816236832	(11) EP2702756	ENHANCEMENT FOR LOW
201862667090 P	(21) EP12724745.0	COMPLEXITY USER EQUIPMENT AND/
(32) 03.05.2018	(22) 27.04.2012	OR USER EQUIPMENT IN COVERAGE
31.12.2018	(54) PORTABLE CAMERA	ENHANCEMENT MODE
04.05.2018	(73) Optelec Holding B.V.	(73) Nokia Solutions and Networks Oy
(33) China	(72) VAN DER SNOEK, Ronald Patrick Jacob	(72) RATASUK, Rapeepat
United States of America	Qurinus	ZHANG, Yan Ji
United States of America	(74) ir. H.A. Witmans c.s.	(74) ir. W.J.J.M. Kempes

- |                                    |                                  |
|------------------------------------|----------------------------------|
| (31) 201562109957 P                | (22) 13.05.2016                  |
| (32) 30.01.2015                    | (54) METHOD AND DEVICE FOR       |
| (33) United States of America      | PERFORMING RANDOM ACCESS         |
| (47) 17.08.2022                    | PROCESS IN UNLICENSED BAND       |
| (51) H04W 12/08                    | (73) LG Electronics Inc.         |
| (11) EP3910977                     | (72) AHN, Joonkui                |
| (21) EP21162807.8                  | KIM, Byoungsoon                  |
| (22) 31.10.2018                    | YANG, Suckchel                   |
| (54) SECURITY PROTECTION METHOD,   | YI, Yunjung                      |
| COMPUTER READABLE STORAGE          | KIM, Seonwook                    |
| MEDIUM AND APPARATUS               | (74) ir. J.C. Volmer c.s.        |
| (73) HUAWEI TECHNOLOGIES CO., LTD. | (31) 201662313818 P              |
| (72) LI, He                        | 201662288446 P                   |
| CHEN, Jing                         | 201562161223 P                   |
| (74) ir. W.J.J.M. Kempes           | (32) 28.03.2016                  |
| (31) 201711148926                  | 29.01.2016                       |
| (32) 17.11.2017                    | 13.05.2015                       |
| (33) China                         | (33) United States of America    |
| (47) 08.06.2022                    | United States of America         |
| (51) H04W 36/00                    | United States of America         |
| H04W 48/18                         | (47) 31.08.2022                  |
| (11) EP3567928                     | (51) H05B 6/06                   |
| (21) EP18736532.5                  | (11) EP3718376                   |
| (22) 04.01.2018                    | (21) EP18822144.4                |
| (54) HANDOVER IN A CONTEXT OF      | (22) 22.11.2018                  |
| NETWORK SLICING BASED ON NSSAI     | (54) COOKING SYSTEM              |
| SENT BY CORE NETWORK DEVICE        | (73) BSH Hausgeräte GmbH         |
| TO TARGET ACCESS NETWORK           | (72) PAESA GARCIA, David         |
| DEVICE SELECTED BY SOURCE          | FRANCO GUTIERREZ, Carlos         |
| ACCESS NETWORK DEVICE              | MARZO ALVAREZ, Teresa Del Carmen |
| (73) Honor Device Co., Ltd.        | PARRA BORDERÍAS, Maria           |
| (72) JIN, Yinghao                  | RODRIGUEZ LARROSA, Agostina      |
| LI, Hong                           | VILLANUEVA VALERO, Beatriz       |
| HAN, Feng                          | (31) 201731365                   |
| TAN, Wei                           | (32) 28.11.2017                  |
| (74) ir. W.J.J.M. Kempes           | (33) Spain                       |
| (31) 201710010762                  | (47) 06.07.2022                  |
| (32) 06.01.2017                    |                                  |
| (33) China                         |                                  |
| (47) 03.08.2022                    |                                  |
| (51) H04W 48/10                    |                                  |
| H04W 56/00                         |                                  |
| (11) EP3020237                     |                                  |
| (21) EP14822395.1                  |                                  |
| (22) 30.06.2014                    |                                  |
| (54) SYNCHRONIZING PEER-TO-        |                                  |
| PEER OPERATION FOR OUTSIDE         |                                  |
| NETWORK COVERAGE AND PARTIAL       |                                  |
| NETWORK COVERAGE USING LTE         |                                  |
| AIR INTERFACE                      |                                  |
| (73) Intel Corporation             |                                  |
| (72) PANTELEEV, Sergey             |                                  |
| CHATTERJEE, Debdeep                |                                  |
| KHORYAEV, Alexey                   |                                  |
| SHILOV, Mikhail A.                 |                                  |
| (74) ir. W.J.J.M. Kempes           |                                  |
| (31) 201414226592                  |                                  |
| 201361843826 P                     |                                  |
| (32) 26.03.2014                    |                                  |
| 08.07.2013                         |                                  |
| (33) United States of America      |                                  |
| United States of America           |                                  |
| (47) 24.08.2022                    |                                  |
| (51) H04W 74/00                    |                                  |
| H04W 56/00                         |                                  |
| H04W 74/08                         |                                  |
| (11) EP3920650                     |                                  |
| (21) EP21188117.2                  |                                  |

## EP4

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

(51) A24B 3/14	(72) HÜBNER, Gerd	(54) WATER TAP BODY AND INSTALLATION
A24C 5/18	MEYER, Klaus	(73) Greg Rowe Limited
A24F 47/00	(31) 102012001391	(74) ir. W.J.J.M. Kempes
A24D 3/06	(32) 26.01.2012	(72) ROWE, Gregory Stephen
A24B 15/12	(33) Germany	ROWE, Gregory Norman
A24B 15/16	(47) 17.04.2019	(31) 201415261
A24B 15/30	(51) C07K 16/06	(32) 28.08.2014
A24D 1/00	(11) EP3071596	(33) United Kingdom
(11) EP2713778	(21) EP15744309.4	(47) 30.10.2019
(21) EP12730817.9	(22) 24.07.2015	(51) G01N 27/62
(22) 31.05.2012	(54) IMPROVED PROCESS FOR THE	H01J 49/00
(54) RODS FOR USE IN SMOKING	PREPARATION OF IMMUNOGLOBULIN	(11) EP2965075
ARTICLES	G (IGG)	(21) EP14710619.9
(73) Philip Morris Products S.A.	(73) Bio Products Laboratory Limited	(22) 05.03.2014
(72) GINDRAT, Pierre-Yves	(74) J.M.H. Duyver lic.	(54) OPTIMISED ION MOBILITY
(31) 11250571	(72) MORE, John	SEPARATION TIMESCALES FOR
(32) 31.05.2011	DOLAN, Tara	TARGETED IONS
(33) European Patent Office (EPO)	(31) 201413227	(73) Micromass UK Limited
(47) 27.04.2016	(32) 25.07.2014	(74) J.M.H. Duyver lic.
(51) A61B 5/00	(33) United Kingdom	(72) GILES, Kevin
A61B 5/145	(47) 29.08.2018	PRINGLE, Steven Derek
G06F 19/00	(51) C07K 16/08	WILDGOOSE, Jason Lee
G06Q 30/00	(11) EP2352763	(31) 201304037
A61B 5/021	(21) EP09736398.0	13158047
A61B 5/024	(22) 01.10.2009	(32) 06.03.2013
G06Q 10/10	(54) BISPECIFIC SINGLE CHAIN	06.03.2013
G16H 10/20	ANTIBODIES WITH SPECIFICITY FOR	(33) United Kingdom
G16H 40/63	HIGH MOLECULAR WEIGHT TARGET	European Patent Office (EPO)
G16H 50/20	ANTIGENS	(47) 25.12.2019
G06Q 50/22	(73) Amgen Research (Munich) GmbH	
(11) EP2582286	(72) KUFER, Peter	
(21) EP11725352.6	BLÜMEL, Claudia	
(22) 14.06.2011	KISCHEL, Roman	
(54) STRUCTURED TAILORING	(31) 101933 P	
(73) F.Hoffmann-La Roche AG	(32) 01.10.2008	
(74) drs. C.M.A. Quintelier	(33) United States of America	
(72) WONG, Daniel	(47) 13.04.2016	
HASKER, David	(51) C08G 77/18	
BRASSINGTON, Glenn	C08L 83/04	
WEINERT, Stefan	C08K 3/18	
SONI, Abhishek, S.	(11) EP3083764	
GREENBURG, Alan	(21) EP14825118.4	
GALLEY, Paul, J.	(22) 15.12.2014	
PORSCH, Ulrich	(54) CONDENSATION-CURING SILICONES	
REINKE, Robert, E.	HAVING TEMPERATURE STABILITY	
DE POLO, Marco	(73) Sika Technology AG	
(31) 818930	(74) ir. W.J.J.M. Kempes	
(32) 18.06.2010	(72) VON MALOTKI, Christian	
(33) United States of America	FRIEDEL, Manuel	
(47) 10.04.2019	(31) 13198404	
(51) B26D 7/32	(32) 19.12.2013	
B65B 25/06	(33) European Patent Office (EPO)	
B26D 7/18	(47) 03.07.2019	
(11) EP2807004	(51) F16K 11/20	
(21) EP13701614.3	F16K 11/00	
(22) 23.01.2013	E03C 1/04	
(54) SLICING IN THE PACKAGE	F16K 35/02	
(73) GEA Food Solutions Germany GmbH	(11) EP2990703	
(74) ir. W.J.J.M. Kempes	(21) EP15182884.5	
	(22) 28.08.2015	

## 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) A22C 7/00	(32) 25.04.2006	(73) Arkema France
(11) EP2720553	(33) United States of America	(72) NICOL, Pascal
(21) EP12730690.0	(47) 14.12.2016	HUB, Serge
(22) 15.06.2012	(51) A61K 9/50	(74) dr. R.C. van Duijvenbode c.s.
(54) METHOD AND INSTALLATION FOR	A61K 31/196	(31) 1151086
PROCESSING A MASS OF PUMPABLE	(11) EP2461802	(32) 10.02.2011
FOODSTUFF MATERIAL	(21) EP10752187.4	(33) France
(73) Marel Townsend Further Processing B.V.	(22) 21.07.2010	(47) 17.09.2014
(72) SPIERTS, Leon	(54) CONTROLLED-RELEASE GRANULAR	
DEKKER, Thomas Willem	COMPOSITIONS CONTAINING	
VAN ZOELLEN, Martinus Johannes	MESALAZINE AND PROCESS FOR	
Willebrordus	THE MANUFACTURE THEREOF.	
(74) ir. J.C. Volmer c.s.	(73) Sofar SPA	
(31) 2006958	(72) MANNELLO, Antonio	
(32) 17.06.2011	LABRUZZO, Carla	
(33) Netherlands	(74) dr. R.C. van Duijvenbode c.s.	
(47) 03.01.2018	(31) MI20091434	
(51) A61K 9/00	(32) 06.08.2009	
A61K 47/02	(33) Italy	
A61K 47/10	(47) 30.05.2018	
A61K 47/26	(51) C07F 9/576	
(11) EP2068822	(11) EP2170912	
(21) EP07842914.9	(21) EP08774839.8	
(22) 20.09.2007	(22) 07.07.2008	
(54) SELF PRESERVED AQUEOUS	(54) NEW PHOSPHORUS CONTAINING	
PHARMACEUTICAL COMPOSITIONS	HETEROCYCLIC COMPOUNDS,	
(73) Novartis AG	SUGAR ANALOGUES, AND	
(72) KABRA, Bhagwati P.	COMPOSITIONS HAVING ANTI-	
CHOWHAN, Masood A.	CANCER ACTIVITY CONTAINING THE	
SCHNEIDER, L. Wayne	SAME	
HAN, Wesley Wehsin	(73) Université de Montpellier	
(74) dr. R.C. van Duijvenbode c.s.	École Nationale Supérieure de Chimie de	
(31) 827411 P	Montpellier	
826529 P	Centre National de la Recherche	
(32) 28.09.2006	Scientifique	
21.09.2006	(72) PIRAT, Jean-Luc	
(33) United States of America	VIRIEUX, David	
United States of America	CLARION, Ludovic	
(47) 02.11.2011	VOLLE, Jean-Noël	
(51) A61K 9/00	BAKALARA, Norbert	
A61K 49/18	MERSEL, Marcel	
A61K 33/24	MONTBRUN, Jérôme	
A61K 49/04	CRISTAU, Henri-Jean	
A61K 51/12	(74) dr. R.C. van Duijvenbode c.s.	
A61K 38/18	(31) 948143 P	
A61K 48/00	(32) 05.07.2007	
(11) EP2019683	(33) United States of America	
(21) EP07761286.9	(47) 06.04.2011	
(22) 25.04.2007	(51) C08F 10/02	
(54) ADMINISTRATION OF GROWTH	C08F 2/00	
FACTORS FOR THE TREATMENT OF	(11) EP2673307	
CNS DISORDERS	(21) EP12707885.5	
(73) The Regents of the University of	(22) 08.02.2012	
California	(54) FREE RADICAL POLYMERISATION	
(72) BANKIEWICZ, Krystof, S.	OF ETHYLENE INITIATED BY	
(74) dr. R.C. van Duijvenbode c.s.	ORGANIC PEROXIDES WITH HIGH	
(31) 795012 P	PRODUCTIVITY	

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

- (21) 300500
  - (22) 21.09.2011
  - (11) 300500
  - (73) BRISTOL-MYERS SQUIBB HOLDINGS  
IRELAND UNLIMITED COMPANY
  - (74) ir. M.F.J.M. Ketelaars c.s.
  - (68) EP1427415
  - (54) Lactam-bevattende verbindingen en  
derivaten daarvan als factor Xa-remmers.
  - (94) 19.05.2026
  - (95) Apixaban desgewenst in de vorm van  
een farmaceutisch aanvaardbaar zout.
  - (93) EU/1/11/691/001-005 20.05.2011
  - (47) 06.12.2011
-

## 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) 2022757	(51) C03C 17/00	B42D 25/351
(51) E03B 1/04	B41J 3/407	B42D 25/328
E03B 11/00	C03C 17/38	(00) 48/21
(00) 25.05.2022	(00) 46/21	01.12.2021
(00) 40/20	17.11.2021	(11) EP3711732
30.09.2020	(11) EP3456895	(51) A61F 13/475
(00) Advice	(51) E04B 2/24	A61F 13/532
(00) ROCKWOOL International A/S	E04B 2/02	A61F 13/533
(11) EP3210965	(00) 45/21	A61F 13/42
(51) C07C 213/00	10.11.2021	D04H 1/54
C07C 213/08	(11) EP3492822	D04H 3/005
C07C 215/54	(51) F24D 19/10	A61F 13/15
C07C 217/62	F24F 5/00	(00) 46/21
C07C 217/72	(00) 14.09.2022	17.11.2021
C07C 225/10	(00) 40/20	(11) EP3743467
C07C 211/27	30.09.2020	(51) C08K 3/36
C07C 211/28	(00) Restoration of rights	C09D 163/00
C07B 57/00	(00) Minibems Limited	C08K 7/26
(00) 46/21	(11) EP3504990	C08L 63/00
17.11.2021	(51) A24F 40/40	F16L 59/00
(11) EP3271596	A61M 15/06	(00) 46/21
(51) F16C 17/10	H05B 1/02	17.11.2021
(00) 46/21	H02J 7/00	(11) EP3838241
17.11.2021	A61M 11/04	(51) A61F 13/475
(11) EP3285589	(00) 48/21	(00) 46/21
(51) A21D 2/18	01.12.2021	17.11.2021
A23L 33/20	(11) EP3509811	(11) EP3914045
A21D 13/06	(51) B29B 17/02	(51) H05B 45/28
(00) 46/21	B29K 23/00	H05B 45/20
17.11.2021	B29L 31/00	H05B 45/22
(11) EP3295003	B29B 17/04	(00) 20.09.2022
(51) F02B 23/00	B29K 105/00	(00) 19/22
F02D 19/02	(00) 45/21	11.05.2022
F02D 19/10	10.11.2021	(00) Restoration of rights
F02F 3/00	(11) EP3536640	(00) We - Did - It - Again B.V.
F02B 23/06	(51) B65G 57/24	
(00) 46/21	(00) 46/21	
17.11.2021	17.11.2021	
(11) EP3319574	(11) EP3559248	
(51) A61H 19/00	(51) C12P 21/00	
A61H 21/00	C12P 21/08	
A61H 23/02	C07K 16/00	
G08C 17/02	(00) 46/21	
(00) 46/21	17.11.2021	
17.11.2021	(11) EP3590014	
(11) EP3324937	(51) G05D 1/00	
(51) A61K 9/08	G05D 1/02	
A61K 31/69	(00) 46/21	
(00) 33/22	17.11.2021	
17.08.2022	(11) EP3659547	
(11) EP3362817	(51) A61C 13/00	
(51) G01S 15/89	A61C 13/08	
G01S 7/534	B28B 1/00	
G01S 15/32	B29C 64/00	
(00) 48/21	(00) 46/21	
01.12.2021	17.11.2021	
(11) EP3455180	(11) EP3691911	
	(51) B42D 25/324	

**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) 2020794	(00) 21/22 25.05.2022
(51) H02G 1/14	(11) EP3431181
H02G 15/18	(51) B02C 13/14
(00) 14/22	B02C 13/284
06.04.2022	B02C 13/286
(00) 15.09.2022	(11) EP3564267
(00) Advice Issued	(51) C07K 19/00
(11) EP2234617	C12N 15/62
(51) A61K 31/519	(00) 03/22
A61P 25/18	19.01.2022
(00) 18/21	
12.05.2021	
(11) EP2459271	
(51) A61N 1/05	
A61N 1/34	
A61N 1/36	
(00) 09/16	
02.03.2016	
(11) EP2885396	
(51) A61K 9/19	
C08L 3/00	
C12N 1/04	
C12R 1/01	
C12R 1/225	
C12R 1/23	
C12R 1/46	
(11) EP2902203	
(51) B41F 33/00	
B41F 33/12	
B41F 33/16	
B41J 2/005	
B41J 2/21	
(00) 10/17	
08.03.2017	
(11) EP2904113	
(51) C12Q 1/6806	
C12Q 1/6855	
(00) 53/20	
06.10.2021	
(11) EP3086782	
(51) A61K 9/00	
A61K 9/20	
A61K 9/46	
A61K 31/58	
A61P 1/04	
(00) 31/19	
31.07.2019	
(11) EP3393323	
(51) A47L 5/30	
A47L 9/04	
(11) EP3429809	
(51) B26B 21/22	
B26B 21/40	
B26B 21/44	
B26B 21/54	
B26B 21/56	

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

	A24B 15/12
(11) 2023557	A24B 15/16
(00) 09.09.2022	A24B 15/30
(51) H03G 1/00	A24D 1/00
H03G 3/30	
(11) 2024908	(11) EP2807004
(00) 09.09.2022	(51) B26D 7/32
(51) G01N 1/20	B65B 25/06
G01N 35/10	B26D 7/18
(00) New licence registration	(11) EP2965075
(11) 2028961	(51) G01N 27/62
(00) 23.08.2022	H01J 49/00
(51) H01L 23/367	(11) EP2990703
H01L 23/373	(51) F16K 11/20
H01L 25/065	F16K 11/00
H01L 23/00	E03C 1/04
H01L 23/498	F16K 35/02
H01L 23/50	(11) EP3071596
H01L 23/538	(51) C07K 16/06
(11) 2028990	(11) EP3083764
(00) 23.08.2022	(51) C08G 77/18
(51) H01F 17/00	C08L 83/04
H01F 17/04	C08K 3/18
H01F 41/04	(11) EP3735680
(11) 2029298	(51) H05B 47/16
(00) 10.08.2022	G08B 15/00
(51) H01L 21/768	
H01L 23/522	
H01L 23/528	
H01L 23/532	
(11) 2029302	
(00) 09.08.2022	
(51) H01Q 23/00	
(11) 2029788	
(00) 10.08.2022	
(51) H01L 23/31	
(11) 2029789	
(00) 10.08.2022	
(51) G11C 29/00	
(11) 2030226	
(00) 10.08.2022	
(51) H04L 67/1008	
(11) EP2352763	
(51) C07K 16/08	
(11) EP2582286	
(51) A61B 5/00	
A61B 5/145	
G06F 19/00	
G06Q 30/00	
A61B 5/021	
A61B 5/024	
G06Q 10/10	
G16H 10/20	
G16H 40/63	
G16H 50/20	
G06Q 50/22	
(11) EP2713778	
(51) A24B 3/14	
A24C 5/18	
A24F 47/00	
A24D 3/06	

## VRV

## Verval of nietigverklaring.

## Contains data concerning lapse or annulment.

(11) 1021469	(00) Patent Expired	(00) Patent Expired
(00) 16.09.2022	(11) EP1402849	(11) EP1436621
(00) Patent Expired	(00) 20.09.2022	(00) 17.09.2022
(11) 1021477	(00) Patent Expired	(00) Patent Expired
(00) 17.09.2022	(11) EP1425586	(11) EP1438003
(00) Patent Expired	(00) 16.09.2022	(00) 20.09.2022
(11) 1021498	(00) Patent Expired	(00) Patent Expired
(00) 19.09.2022	(11) EP1427291	(11) EP1440058
(00) Patent Expired	(00) 17.09.2022	(00) 19.09.2022
(11) 300337	(00) Patent Expired	(00) Patent Expired
(00) 20.09.2022	(11) EP1427415	(11) EP1440121
(00) SPC Expired	(00) 17.09.2022	(00) 18.09.2022
(11) 300376	(00) Patent Expired	(00) Patent Expired
(00) 17.09.2022	(11) EP1427487	(11) EP1444729
(00) SPC Expired	(00) 16.09.2022	(00) 19.09.2022
(11) EP1295528	(00) Patent Expired	(00) Patent Expired
(00) 20.09.2022	(11) EP1427639	(11) EP1446119
(00) Patent Expired	(00) 19.09.2022	(00) 18.09.2022
(11) EP1295813	(00) Patent Expired	(00) Patent Expired
(00) 19.09.2022	(11) EP1427808	(11) EP1450856
(00) Patent Expired	(00) 19.09.2022	(00) 16.09.2022
(11) EP1295930	(00) Patent Expired	(00) Patent Expired
(00) 18.09.2022	(11) EP1428016	(11) EP1454021
(00) Patent Expired	(00) 18.09.2022	(00) 16.09.2022
(11) EP1295931	(00) Patent Expired	(00) Patent Expired
(00) 18.09.2022	(11) EP1428338	(11) EP1467628
(00) Patent Expired	(00) 17.09.2022	(00) 17.09.2022
(11) EP1297731	(00) Patent Expired	(00) Patent Expired
(00) 19.09.2022	(11) EP1429630	(11) EP1468063
(00) Patent Expired	(00) 19.09.2022	(00) 19.09.2022
(11) EP1298504	(00) Patent Expired	(00) Patent Expired
(00) 17.09.2022	(11) EP1429861	(11) EP1474426
(00) Patent Expired	(00) 19.09.2022	(00) 20.09.2022
(11) EP1300062	(00) Patent Expired	(00) Patent Expired
(00) 18.09.2022	(11) EP1430131	(11) EP1543718
(00) Patent Expired	(00) 18.09.2022	(00) 20.09.2022
(11) EP1300809	(00) Patent Expired	(00) Patent Expired
(00) 16.09.2022	(11) EP1430232	(11) EP1558523
(00) Patent Expired	(00) 17.09.2022	(00) 20.09.2022
(11) EP1300981	(00) Patent Expired	(00) Patent Expired
(00) 17.09.2022	(11) EP1430267	(11) EP1695565
(00) Patent Expired	(00) 17.09.2022	(00) 18.05.2022
(11) EP1306814	(00) Patent Expired	(00) EPV Ceased Effect
(00) 17.09.2022	(11) EP1433238	(11) EP1861554
(00) Patent Expired	(00) 21.09.2022	(00) 05.07.2022
(11) EP1328199	(00) Patent Expired	(00) European Patent got Revoked
(00) 20.09.2022	(11) EP1434512	(11) EP1908091
(00) Patent Expired	(00) 20.09.2022	(00) 25.03.2022
(11) EP1355730	(00) Patent Expired	(00) European Patent got Revoked
(00) 18.09.2022	(11) EP1434554	(11) EP2005372
(00) Patent Expired	(00) 18.09.2022	(00) 18.05.2022
(11) EP1385357	(00) Patent Expired	(00) EPV Ceased Effect
(00) 17.09.2022	(11) EP1434871	(11) EP2069111
(00) Patent Expired	(00) 20.09.2022	(00) 18.05.2022
(11) EP1398280	(00) Patent Expired	(00) EPV Ceased Effect
(00) 16.09.2022	(11) EP1435841	(11) EP2090209
(00) Patent Expired	(00) 18.09.2022	(00) 20.09.2022
(11) EP1401007	(00) Patent Expired	(00) Patent Expired
(00) 18.09.2022	(11) EP1436042	(11) EP2113980
	(00) 18.09.2022	(00) 21.09.2022

(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2132879	(11) EP2553147	(11) EP2743703
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2158095	(11) EP2583741	(11) EP2748760
(00) 11.04.2022	(00) 18.05.2022	(00) 18.05.2022
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2159044	(11) EP2587874	(11) EP2754298
(00) 17.09.2022	(00) 18.05.2022	(00) 18.05.2022
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2212822	(11) EP2609759	(11) EP2761200
(00) 18.05.2022	(00) 18.05.2022	(00) 17.02.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2230642	(11) EP2620832	(11) EP2761446
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2251080	(11) EP2622969	(11) EP2765936
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2275016	(11) EP2627544	(11) EP2770145
(00) 20.09.2022	(00) 18.05.2022	(00) 18.05.2022
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2275674	(11) EP2632399	(11) EP2773942
(00) 21.09.2022	(00) 09.05.2022	(00) 18.05.2022
(00) Patent Expired	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP2296896	(11) EP2638763	(11) EP2793618
(00) 18.05.2022	(00) 18.05.2022	(00) 18.07.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2311559	(11) EP2644370	(11) EP2798870
(00) 18.05.2022	(00) 18.05.2022	(00) 17.08.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2335568	(11) EP2668898	(11) EP2811052
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2388053	(11) EP2674594	(11) EP2824174
(00) 18.05.2022	(00) 18.05.2022	(00) 14.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2406586	(11) EP2676612	(11) EP2827461
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2440427	(11) EP2688663	(11) EP2833778
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2442213	(11) EP2696000	(11) EP2834334
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2498134	(11) EP2696379	(11) EP2848068
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2519823	(11) EP2722307	(11) EP2853208
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2529376	(11) EP2723233	(11) EP2862075
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2532331	(11) EP2731158	(11) EP2865170
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2535145	(11) EP2735809	(11) EP2866709
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2550468	(11) EP2736403	(11) EP2874111
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2551986	(11) EP2741696	(11) EP2877089
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2878224	(11) EP2973409	(11) EP3054871
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2881423	(11) EP2975453	(11) EP3055430
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2886637	(11) EP2976662	(11) EP3057750
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2886938	(11) EP2981980	(11) EP3060442
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2894321	(11) EP2996598	(11) EP3061454
(00) 18.05.2022	(00) 18.05.2022	(00) 16.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2901074	(11) EP2999438	(11) EP3069149
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2902717	(11) EP3007757	(11) EP3079295
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2904700	(11) EP3011749	(11) EP3079525
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2907050	(11) EP3013272	(11) EP3082624
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2907458	(11) EP3015083	(11) EP3084370
(00) 20.09.2022	(00) 18.05.2022	(00) 18.05.2022
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2907459	(11) EP3023212	(11) EP3086101
(00) 20.09.2022	(00) 18.05.2022	(00) 18.05.2022
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2913113	(11) EP3023716	(11) EP3089531
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2920866	(11) EP3025134	(11) EP3089715
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2936193	(11) EP3025465	(11) EP3093957
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2936240	(11) EP3038052	(11) EP3102320
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2939786	(11) EP3039079	(11) EP3102723
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2946032	(11) EP3039205	(11) EP3102812
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2946326	(11) EP3040567	(11) EP3103367
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2952791	(11) EP3042426	(11) EP3103851
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2955610	(11) EP3043128	(11) EP3106038
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2959688	(11) EP3043473	(11) EP3108350
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2972317	(11) EP3047811	(11) EP3109567
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3111732	(11) EP3165983	(11) EP3187592
(00) 18.05.2022	(00) 18.05.2022	(00) 20.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) Patent Expired
(11) EP3112857	(11) EP3166388	(11) EP3189432
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3114094	(11) EP3168401	(11) EP3196922
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3115002	(11) EP3169909	(11) EP3198241
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3116922	(11) EP3170369	(11) EP3198701
(00) 29.03.2022	(00) 18.05.2022	(00) 18.05.2022
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3117052	(11) EP3173804	(11) EP3201243
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3125298	(11) EP3173838	(11) EP3201432
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3126192	(11) EP3174210	(11) EP3201650
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3127875	(11) EP3174421	(11) EP3203366
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3129683	(11) EP3174576	(11) EP3203436
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3130460	(11) EP3175642	(11) EP3205093
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3135223	(11) EP3177211	(11) EP3206599
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3141001	(11) EP3177709	(11) EP3210209
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3145880	(11) EP3178118	(11) EP3210363
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3149801	(11) EP3179732	(11) EP3212164
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3151544	(11) EP3180024	(11) EP3212630
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3153262	(11) EP3182051	(11) EP3213101
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3154640	(11) EP3183291	(11) EP3214509
(00) 18.05.2022	(00) 19.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP3154881	(11) EP3184245	(11) EP3221814
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3155080	(11) EP3186291	(11) EP3223719
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3156006	(11) EP3186292	(11) EP3226720
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3164881	(11) EP3186659	(11) EP3227650
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3231462	(11) EP3264090	(11) EP3284573
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3232292	(11) EP3264110	(11) EP3286992
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3234530	(11) EP3268101	(11) EP3288280
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3237324	(11) EP3268620	(11) EP3288485
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3237526	(11) EP3269448	(11) EP3289265
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3238359	(11) EP3271217	(11) EP3293807
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3238765	(11) EP3272401	(11) EP3297791
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3240183	(11) EP3272526	(11) EP3298385
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3241792	(11) EP3273210	(11) EP3300191
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3244242	(11) EP3273486	(11) EP3301466
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3244760	(11) EP3274237	(11) EP3304784
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3249865	(11) EP3277963	(11) EP3305151
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3251384	(11) EP3278138	(11) EP3306187
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3252542	(11) EP3279636	(11) EP3308114
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3254440	(11) EP3279675	(11) EP3308115
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3254773	(11) EP3280957	(11) EP3308603
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3256446	(11) EP3281365	(11) EP3313014
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3258594	(11) EP3281677	(11) EP3313874
(00) 18.05.2022	(00) 18.05.2022	(00) 27.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP3259099	(11) EP3281928	(11) EP3314160
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3259109	(11) EP3281935	(11) EP3314781
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3262252	(11) EP3282975	(11) EP3316284
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3263214	(11) EP3283532	(11) EP3316886
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3317036	(11) EP3334661	(11) EP3354779
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3317295	(11) EP3335302	(11) EP3355413
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3318067	(11) EP3335759	(11) EP3355838
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3318591	(11) EP3338154	(11) EP3356078
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3318899	(11) EP3342362	(11) EP3358276
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3321291	(11) EP3342836	(11) EP3359229
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3322376	(11) EP3343261	(11) EP3359457
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3322812	(11) EP3343399	(11) EP3359726
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3323383	(11) EP3343719	(11) EP3360928
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3324721	(11) EP3344694	(11) EP3361326
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3324722	(11) EP3345273	(11) EP3361813
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3324975	(11) EP3346469	(11) EP3361915
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3325333	(11) EP3346584	(11) EP3362806
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3325366	(11) EP3347229	(11) EP3362808
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3325465	(11) EP3349319	(11) EP3363653
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3326152	(11) EP3350662	(11) EP3366434
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3326243	(11) EP3351370	(11) EP3367173
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3327766	(11) EP3351772	(11) EP3368388
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3329995	(11) EP3351802	(11) EP3369264
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3330676	(11) EP3353841	(11) EP3370250
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3334413	(11) EP3354132	(11) EP3372405
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3334582	(11) EP3354469	(11) EP3373255
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3374101	(11) EP3389541	(11) EP3414487
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375315	(11) EP3394788	(11) EP3414811
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375553	(11) EP3395909	(11) EP3415100
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375706	(11) EP3397105	(11) EP3416712
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375737	(11) EP3397614	(11) EP3417088
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376114	(11) EP3398339	(11) EP3417490
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376309	(11) EP3398693	(11) EP3419057
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376491	(11) EP3400159	(11) EP3419274
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3377065	(11) EP3400565	(11) EP3420188
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3378608	(11) EP3405476	(11) EP3420632
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3378745	(11) EP3405796	(11) EP3421294
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381622	(11) EP3407307	(11) EP3422690
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3382068	(11) EP3408661	(11) EP3424343
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3382109	(11) EP3408986	(11) EP3425050
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3382229	(11) EP3409555	(11) EP3425671
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3382289	(11) EP3410376	(11) EP3426503
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3382937	(11) EP3410653	(11) EP3428469
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3383028	(11) EP3411005	(11) EP3428703
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3383144	(11) EP3411316	(11) EP3429252
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3383241	(11) EP3411758	(11) EP3429818
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3384318	(11) EP3412833	(11) EP3430008
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3388089	(11) EP3413482	(11) EP3430070
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3430686	(11) EP3450033	(11) EP3471140
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3430841	(11) EP3450440	(11) EP3471238
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432065	(11) EP3450807	(11) EP3471458
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432288	(11) EP3451066	(11) EP3471896
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3433366	(11) EP3452520	(11) EP3473941
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3435207	(11) EP3453849	(11) EP3475014
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3436905	(11) EP3454853	(11) EP3475334
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3437261	(11) EP3455775	(11) EP3476760
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3437779	(11) EP3458653	(11) EP3479917
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3437927	(11) EP3459495	(11) EP3479979
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3438690	(11) EP3459950	(11) EP3483124
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3438753	(11) EP3460545	(11) EP3483479
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3441700	(11) EP3462042	(11) EP3483539
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3442680	(11) EP3462473	(11) EP3487336
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3444693	(11) EP3463130	(11) EP3487901
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3445290	(11) EP3464907	(11) EP3487989
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3445829	(11) EP3464945	(11) EP3488781
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3446607	(11) EP3465477	(11) EP3489521
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3446987	(11) EP3467633	(11) EP3491215
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3447132	(11) EP3470389	(11) EP3493598
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3447488	(11) EP3470529	(11) EP3494009
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3449655	(11) EP3470799	(11) EP3494093
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3495159	(11) EP3509041	(11) EP3520960
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3496225	(11) EP3509099	(11) EP3520962
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3496752	(11) EP3509847	(11) EP3521676
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3497201	(11) EP3510498	(11) EP3522056
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3497475	(11) EP3512044	(11) EP3522216
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3498124	(11) EP3513208	(11) EP3523582
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3498344	(11) EP3513598	(11) EP3526814
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3498903	(11) EP3513763	(11) EP3526884
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3499644	(11) EP3514149	(11) EP3527253
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3500569	(11) EP3515105	(11) EP3528016
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501195	(11) EP3515355	(11) EP3528154
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501655	(11) EP3516285	(11) EP3528489
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501859	(11) EP3516442	(11) EP3529294
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3502049	(11) EP3517012	(11) EP3529978
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3502051	(11) EP3518182	(11) EP3530217
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3505411	(11) EP3518614	(11) EP3531296
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3505874	(11) EP3519197	(11) EP3532586
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3506447	(11) EP3519393	(11) EP3532758
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3506784	(11) EP3519520	(11) EP3533833
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3507701	(11) EP3520339	(11) EP3534112
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3508205	(11) EP3520586	(11) EP3534140
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3508595	(11) EP3520826	(11) EP3534220
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3534445	(11) EP3543786	(11) EP3555440
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3534506	(11) EP3544193	(11) EP3556242
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3534880	(11) EP3544699	(11) EP3556493
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3535016	(11) EP3545231	(11) EP3556670
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3536267	(11) EP3545331	(11) EP3557127
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3536604	(11) EP3545937	(11) EP3557260
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3536970	(11) EP3546216	(11) EP3559446
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3537010	(11) EP3546630	(11) EP3560543
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3537173	(11) EP3547333	(11) EP3564401
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3537575	(11) EP3547984	(11) EP3566656
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3537576	(11) EP3548235	(11) EP3567518
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3538157	(11) EP3548252	(11) EP3567754
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3538570	(11) EP3548541	(11) EP3568119
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3538628	(11) EP3549526	(11) EP3568602
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3538984	(11) EP3550410	(11) EP3569471
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3540321	(11) EP3551436	(11) EP3569512
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3540363	(11) EP3552448	(11) EP3571023
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3540913	(11) EP3552466	(11) EP3571109
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3542224	(11) EP3553310	(11) EP3571755
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3542743	(11) EP3553832	(11) EP3572664
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3542896	(11) EP3553996	(11) EP3572763
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3543048	(11) EP3554068	(11) EP3577411
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3577774	(11) EP3594359	(11) EP3607430
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3578844	(11) EP3594563	(11) EP3608162
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3579317	(11) EP3595042	(11) EP3608435
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3580797	(11) EP3596066	(11) EP3608546
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3581419	(11) EP3597878	(11) EP3611767
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3582060	(11) EP3597945	(11) EP3613978
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3582243	(11) EP3599034	(11) EP3614492
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3582337	(11) EP3599689	(11) EP3614632
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3582578	(11) EP3600199	(11) EP3617036
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3582657	(11) EP3600807	(11) EP3618320
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3584142	(11) EP3600900	(11) EP3618481
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3585589	(11) EP3600912	(11) EP3618573
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3586756	(11) EP3601675	(11) EP3620709
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3588337	(11) EP3601812	(11) EP3621551
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3589546	(11) EP3601828	(11) EP3621842
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3590625	(11) EP3601902	(11) EP3623151
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3590628	(11) EP3602136	(11) EP3623443
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3590768	(11) EP3603548	(11) EP3623618
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3590997	(11) EP3604584	(11) EP3626617
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3591932	(11) EP3605096	(11) EP3626664
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3593537	(11) EP3605629	(11) EP3627249
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3593786	(11) EP3605821	(11) EP3627913
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3628207	(11) EP3645256	(11) EP3657215
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3628495	(11) EP3646139	(11) EP3657851
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3628856	(11) EP3646312	(11) EP3658458
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3629246	(11) EP3646486	(11) EP3659393
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3630033	(11) EP3647600	(11) EP3659788
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3630399	(11) EP3647672	(11) EP3660187
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3630609	(11) EP3648259	(11) EP3662401
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3632748	(11) EP3648396	(11) EP3662985
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3633270	(11) EP3649536	(11) EP3663030
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3633729	(11) EP3650581	(11) EP3663077
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3634098	(11) EP3650733	(11) EP3663282
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3635485	(11) EP3651502	(11) EP3663663
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3635928	(11) EP3651564	(11) EP3663988
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3637642	(11) EP3652411	(11) EP3665376
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3638070	(11) EP3652457	(11) EP3666925
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3639636	(11) EP3652486	(11) EP3667179
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3640848	(11) EP3652560	(11) EP3667852
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3642928	(11) EP3652873	(11) EP3668008
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3643473	(11) EP3653875	(11) EP3670260
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3643516	(11) EP3654532	(11) EP3670960
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3643552	(11) EP3654554	(11) EP3671110
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3645112	(11) EP3655258	(11) EP3671782
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3672026	(11) EP3681690	(11) EP3696375
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3672087	(11) EP3682447	(11) EP3697282
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3672169	(11) EP3682594	(11) EP3697863
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3672388	(11) EP3683343	(11) EP3698041
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3674004	(11) EP3684649	(11) EP3698115
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3674107	(11) EP3685992	(11) EP3698363
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3674143	(11) EP3687734	(11) EP3698486
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3674260	(11) EP3688938	(11) EP3698945
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3674802	(11) EP3689044	(11) EP3699022
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3674807	(11) EP3689175	(11) EP3701899
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3675270	(11) EP3690007	(11) EP3702130
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3676380	(11) EP3690095	(11) EP3703118
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3676536	(11) EP3690357	(11) EP3703483
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3676550	(11) EP3691448	(11) EP3703874
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3676762	(11) EP3692336	(11) EP3704995
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3676930	(11) EP3692975	(11) EP3705817
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3677624	(11) EP3693203	(11) EP3706066
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3678263	(11) EP3695111	(11) EP3707044
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3678822	(11) EP3695473	(11) EP3707871
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3679872	(11) EP3695711	(11) EP3708084
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3680720	(11) EP3695810	(11) EP3708352
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3680741	(11) EP3696301	(11) EP3710557
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3711246	(11) EP3729852	(11) EP3748377
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3712785	(11) EP3729951	(11) EP3748811
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3713807	(11) EP3730230	(11) EP3749872
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3714507	(11) EP3730630	(11) EP3750037
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3716668	(11) EP3730636	(11) EP3750152
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3717097	(11) EP3730655	(11) EP3750698
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3719236	(11) EP3731148	(11) EP3751380
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3722506	(11) EP3731421	(11) EP3753220
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3723602	(11) EP3731696	(11) EP3753838
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3723737	(11) EP3732434	(11) EP3754190
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3723963	(11) EP3733071	(11) EP3754191
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3724444	(11) EP3733617	(11) EP3754288
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3725937	(11) EP3734295	(11) EP3755506
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3726008	(11) EP3737731	(11) EP3755540
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3726308	(11) EP3737777	(11) EP3757155
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3728434	(11) EP3738757	(11) EP3757182
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3728518	(11) EP3739482	(11) EP3757320
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3729044	(11) EP3739658	(11) EP3757322
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3729226	(11) EP3740470	(11) EP3758543
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3729578	(11) EP3742574	(11) EP3758970
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3729632	(11) EP3745077	(11) EP3759787
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3729734	(11) EP3747535	(11) EP3760425
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3760440	(11) EP3777105	(11) EP3795894
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3760513	(11) EP3778753	(11) EP3795899
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3760626	(11) EP3778804	(11) EP3796652
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3760980	(11) EP3779007	(11) EP3796695
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3761665	(11) EP3779363	(11) EP3798007
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3761912	(11) EP3780992	(11) EP3798671
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3762324	(11) EP3781010	(11) EP3798743
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3763566	(11) EP3781542	(11) EP3800096
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3764116	(11) EP3784003	(11) EP3800425
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3764829	(11) EP3785145	(11) EP3800426
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3769725	(11) EP3785592	(11) EP3800511
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3770151	(11) EP3786084	(11) EP3805017
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3770423	(11) EP3786323	(11) EP3805644
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3771379	(11) EP3788231	(11) EP3805706
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3771609	(11) EP3788244	(11) EP3806193
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3771894	(11) EP3788911	(11) EP3808864
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3772016	(11) EP3791460	(11) EP3809212
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3772349	(11) EP3792525	(11) EP3809613
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3773835	(11) EP3792688	(11) EP3811015
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3774238	(11) EP3793925	(11) EP3812429
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3774755	(11) EP3794411	(11) EP3812572
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3776711	(11) EP3794736	(11) EP3815125
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3815568	(11) EP3835519	(11) EP3870126
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3815782	(11) EP3836277	(11) EP3873117
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3817037	(11) EP3837736	(11) EP3873341
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3817834	(11) EP3838204	(11) EP3874232
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3819097	(11) EP3839938	(11) EP3875883
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3819177	(11) EP3841723	(11) EP3880049
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3821480	(11) EP3841969	(11) EP3882008
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3821537	(11) EP3845459	(11) EP3886958
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3822109	(11) EP3845839	(11) EP3887090
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3822150	(11) EP3846209	(11) EP3887621
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3822198	(11) EP3846913	(11) EP3887743
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3822524	(11) EP3848112	(11) EP3891163
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3824010	(11) EP3848190	(11) EP3892998
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3824049	(11) EP3849391	(11) EP3899366
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3824602	(11) EP3854109	(11) EP3900934
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3825164	(11) EP3855252	(11) EP3906378
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3825609	(11) EP3856674	(11) EP3906416
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3826863	(11) EP3857919	(11) EP3908644
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3828655	(11) EP3860803	(11) EP3913748
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3830361	(11) EP3863803	(11) EP3921234
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3831103	(11) EP3867502	(11) EP3922680
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3833810	(11) EP3869277	(11) EP3923546
(00) 18.05.2022	(00) 18.05.2022	(00) 18.05.2022

(00) EPV Ceased Effect  
\_\_\_\_\_  
(11) EP3927553  
(00) 18.05.2022  
(00) EPV Ceased Effect  
\_\_\_\_\_  
(11) EP3932801  
(00) 18.05.2022  
(00) EPV Ceased Effect  
\_\_\_\_\_  
(11) EP3932803  
(00) 18.05.2022  
(00) EPV Ceased Effect  
\_\_\_\_\_  
(11) EP3934988  
(00) 18.05.2022  
(00) EPV Ceased Effect  
\_\_\_\_\_

**VRB**

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

## CO

## Ingeschreven overdrachten.

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

(71) Chateau Vert Groep B.V.	(51) A61K 9/70	(00) 08.09.2022
(73) Chateau Vert Groep B.V.	A61K 47/32	(51) C09D 5/18
(11) 2007330	(00) Assignment	C09D 7/12
(00) 09.09.2022	(71) Arcede Pharma AB	(00) Change of owner(s) name
(51) A23L 1/03	(73) Arcede Pharma AB	(71) Arconvert S.A.U.
A23L 1/0562	(11) EP2181095	(73) Arconvert S.A.U.
A23L 1/314	(00) 12.09.2022	(11) EP3057880
(00) Assignment	(51) A61K 31/472	(00) 13.09.2022
(71) Kokreateur Holding B.V.	A61K 31/4725	(51) B65D 75/58
(73) Chateau Vert Groep B.V.	A61P 11/06	(00) Assignment
(11) 2007330	A61P 11/08	(71) Fürstenberg Amfi Ltd.
(00) 09.09.2022	C07D 217/06	(73) Fürstenberg Amfi Ltd.
(51) A23L 1/03	C07D 401/06	(11) EP2976395
A23L 1/0562	(00) Assignment	(00) 08.09.2022
A23L 1/314	(71) Budé Group B.V.	(51) C09D 5/18
(00) Change of owner(s) name	(73) Budé Group B.V.	C09D 7/12
(71) JUST, INC	(11) EP2114769	(00) Assignment
(73) GOOD Meat, Inc.	(00) 08.09.2022	(71) Mirion Technologies (US), Inc.
(11) EP1789063	(51) B65B 3/04	(73) Mirion Technologies (US), Inc.
(00) 12.09.2022	B65B 31/00	(11) EP2924470
(51) A23L 1/31	B67C 3/00	(00) 09.09.2022
C12N 5/077	(00) Assignment	(51) G01T 1/02
(00) Merge	(71) GRILLGRATE, LLC	G01T 1/14
(71) Eat JUST, INC.	(73) GRILLGRATE, LLC	G01T 1/185
(73) GOOD Meat, Inc.	(11) EP2240057	G01T 1/24
(11) EP1789063	(00) 09.09.2022	G01T 7/00
(00) 12.09.2022	(51) A47J 37/06	H05K 5/02
(51) A23L 1/31	(00) Assignment	(00) Change of owner(s) name
C12N 5/077	(71) Seoul National University R&DB	(71) F.O.R.E BIOTHERAPEUTICS LTD
(00) Change of owner(s) name	Foundation	(73) F.O.R.E BIOTHERAPEUTICS LTD
(71) Mirion Technologies (US), Inc.	(73) Seoul National University R&DB	(11) EP2946207
(73) Mirion Technologies (US), Inc.	Foundation	(00) 07.09.2022
(11) EP2263104	(11) EP2192689	(51) C12N 15/10
(00) 09.09.2022	(00) 09.09.2022	G01N 21/64
(51) G01T 1/02	(51) H03L 7/087	G01N 33/48
G01T 1/185	H03L 7/091	C12Q 1/68
G01T 7/00	H03M 1/50	(00) Change of owner(s) name
(00) Change of owner(s) name	(00) Assignment	(71) GENETHON
(71) GOOD Meat, Inc.	(71) Chateau Vert Groep B.V.	ROYAL HOLLOWAY AND BEDFORD
(73) GOOD Meat, Inc.	(73) Chateau Vert Groep B.V.	NEW COLLEGE
(11) EP1789063	(11) 2018644	ASSOCIATION INSTITUT DE
(00) 12.09.2022	(00) 09.09.2022	MYOLOGIE
(51) A23L 1/31	(51) A23L 13/40	INSTITUT NATIONAL DE LA SANTE ET
C12N 5/077	A23L 15/00	DE LA RECHERCHE MEDICALE
(00) Assignment	A23L 17/00	CENTRE NATIONAL DE LA
(71) Ciocca, Daniel	A23L 29/281	RECHERCHE SCIENTIFIQUE
HASTIM	A23L 29/294	SORBONNE UNIVERSITE
(73) Ciocca, Daniel	(00) Assignment	CENTRE HOSPITALIER
HASTIM	(71) Ensyn Renewables, Inc.	UNIVERSITAIRE DE NANTES
(11) EP1885337	(73) Ensyn Renewables, Inc.	UNIVERSITE DE NANTES
(00) 13.09.2022	(11) EP2007744	(73) GENETHON
(51) A61K 9/14	(00) 13.09.2022	ROYAL HOLLOWAY AND BEDFORD
A61K 9/18	(51) A61K 36/13	NEW COLLEGE
A61K 39/00	C07D 305/14	ASSOCIATION INSTITUT DE
A61P 35/00	C10B 49/22	MYOLOGIE
(00) Change of owner(s) name	C10B 53/02	INSTITUT NATIONAL DE LA SANTE ET
(71) ratiopharm GmbH	C10C 5/00	DE LA RECHERCHE MEDICALE
(73) ratiopharm GmbH	(00) Assignment	CENTRE NATIONAL DE LA
(11) EP1894563	(71) AmfiTop Solid Surface Products Ltd.	RECHERCHE SCIENTIFIQUE
(00) 12.09.2022	(73) Fürstenberg Amfi Ltd.	SORBONNE UNIVERSITE
	(11) EP2976395	

CENTRE HOSPITALIER UNIVERSITAIRE DE NANTES UNIVERSITE DE NANTES	A61K 31/506 A61P 1/00 A61P 25/00 A61P 31/00 C07D 413/12	A61K 31/472 (00) Assignment
(11) EP3044319	(71) Fort Wayne Metals Research Products, LLC	(71) Fort Wayne Metals Research Products, LLC
(00) 08.09.2022	(73) Fort Wayne Metals Research Products, LLC	(73) Fort Wayne Metals Research Products, LLC
(51) A61K 48/00	(00) Assignment	(00) Assignment
C12N 15/861	(71) CyberHydra Holding B.V.	(11) EP3538681
(00) Assignment	(73) CyberHydra Holding B.V.	(00) 09.09.2022
(71) Motas Coupling B.V.	(11) 2024908	(51) C22C 14/00
(73) Motas Coupling B.V.	(00) 09.09.2022	C22F 1/18
(11) 2021865	(51) G01N 1/20	A61L 27/06
(00) 12.09.2022	G01N 35/10	A61L 27/50
(51) E02F 7/10	(00) Assignment	C22C 30/00
F16L 1/26	(71) Illumina, Inc.	C22C 30/04
F16L 37/00	(73) Illumina, Inc.	A61L 31/02
F16L 37/52	(11) EP3058107	A61L 31/14
F16L 37/62	(00) 09.09.2022	C22C 27/00
(00) Change of owner(s) name	(51) G01N 27/447	(00) Change of Legal Entity
(71) F. Hoffmann-La Roche AG	C12Q 1/6881	(71) Anduril Industries, Inc.
(73) F. Hoffmann-La Roche AG	(00) Assignment	(73) Anduril Industries, Inc.
(11) EP3124976	(71) Teledyne FLIR Detection, Inc.	(11) EP3374260
(00) 13.09.2022	(73) Teledyne FLIR Detection, Inc.	(00) 08.09.2022
(51) G01N 33/579	(11) EP3094452	(51) B64C 3/56
(00) Assignment	(00) 13.09.2022	B64C 1/36
(71) Dutch Barn B.V.	(51) B25J 13/08	B64C 3/40
(73) Dutch Barn B.V.	B25J 9/16	B64C 3/54
(11) EP2275382	B25J 5/00	B64C 5/02
(00) 09.09.2022	B25J 19/04	B64C 5/12
(51) B68C 1/02	B25J 13/00	B64C 5/16
B68C 1/04	B25J 13/02	B64C 11/28
(00) Assignment	B25J 13/06	B64C 13/24
(71) Ensyn Renewables, Inc.	B25J 19/02	B64C 13/30
(73) Ensyn Renewables, Inc.	G05D 1/00	B64C 39/02
(11) EP3252128	(00) Change of owner(s) name	(00) Assignment
(00) 13.09.2022	(71) FLIR Detection, Inc.	
(51) A61K 36/13	(73) Teledyne FLIR Detection, Inc.	
C07D 305/14	(11) EP3094452	
C10B 49/22	(00) 13.09.2022	
C10B 53/02	(51) B25J 13/08	
C10C 5/00	B25J 9/16	
(00) Assignment	B25J 5/00	
(71) Innovation Asset Collective	B25J 19/04	
(73) Innovation Asset Collective	B25J 13/00	
(11) EP2435956	B25J 13/02	
(00) 09.09.2022	B25J 13/06	
(51) G06T 7/11	B25J 19/02	
G06T 7/90	G05D 1/00	
(00) Assignment	(00) Assignment	
(71) Lieyafan Beheer B.V.	(71) ALL. SPACE NETWORKS LIMITED	
(73) Lieyafan Beheer B.V.	(73) ALL. SPACE NETWORKS LIMITED	
(11) 2024061	(11) EP3376595	
(00) 09.09.2022	(00) 31.08.2022	
(51) B26D 1/03	(51) H01Q 3/14	
B26D 3/08	H01Q 3/24	
B26D 3/26	H01Q 3/30	
B26D 3/28	H01Q 19/06	
B26D 7/26	H01Q 21/00	
(00) Change of owner(s) name	H01Q 21/06	
(71) The University Court of The University of Edinburgh	H01Q 25/00	
(73) The University Court of The University of Edinburgh	(00) Change of owner(s) name	
(11) EP3233844	(71) Arcede Pharma AB	
(00) 09.09.2022	(73) Arcede Pharma AB	
(51) A61K 31/423	(11) EP3818055	
A61K 31/4439	(00) 12.09.2022	
A61K 31/501	(51) C07D 401/14	
	C07D 401/12	
	A61P 11/00	

**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).**