



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:

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Voor taksen en depotrekeningen:

ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

## Introduction

### Patent Bulletin

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

### Official Journal

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

### Subscription rates per calendar year:

Patent Bulletin and Official Journal: free of charge in electronic form on the website of the Netherlands Patent Office.

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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>12 Heading NP2</b> Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	<b>12</b>
<b>Rubriek NP3</b> Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	<b>16 Heading NP3</b> Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	<b>16</b>
<b>Rubriek EP1</b> Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	<b>17 Heading EP1</b> Contains data concerning translations of the conclusions of European patent applications.	<b>17</b>
<b>Rubriek EP2</b> Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	<b>18 Heading EP2</b> Contains data concerning European patents granted for The Netherlands.	<b>18</b>
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<b>Rubriek EP4</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	<b>282 Heading EP4</b> Contains data concerning European patents granted in amended form for the Netherlands.	<b>282</b>
<b>Rubriek EP5</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde	<b>283 Heading EP5</b> Contains data concerning European patents granted in amended form for	<b>283</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>285Heading SPC</b> Contains data concerning applications for- or granted Supplementary Protection Certificates.	285
<b>Rubriek VB1</b> Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.	<b>286Heading VB1</b> Contains data concerning requests and notices of opposition under the General administrative law.	286
<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>287Heading 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.	287
<b>Rubriek MED</b> Bevat gegevens betreffende overige mededelingen.	<b>288Heading MED</b> Contains data concerning other communications.	288
<b>Rubriek VRV</b> Bevat gegevens betreffende verval of nietigverklaring.	<b>289Heading VRV</b> Contains data concerning lapse or annulment.	289
<b>Rubriek VRB</b> Bevat gegevens betreffende verbeteringen op eerdere publicaties.	<b>327Heading VRB</b> Contains data concerning corrections on earlier publications.	327
<b>Rubriek CO</b> Bevat gegevens betreffende wijzigingen in het octrooiregister.	<b>328Heading CO</b> Contains data concerning changes in the Netherland patent register.	328
<b>Rubriek TVH</b> Bevat gegevens betreffende topografieën van halfgeleiderproducten.	<b>334Heading TVH</b> Contains data concerning depots of original topographies of semi-conductor products.	334

<b>Rubriek UP1</b> Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	<b>335Heading UP1</b> Contains data concerning European patents with registered Unitary Effect.	335
<b>Rubriek UP2</b> Bevat gegevens over Europese octrooien met geregistreerd verzoek ex. artikel 52a (herstel recht op validatie).	<b>338Heading UP2</b> Contains data concerning European patents with registered request ex article 52a (restoration of validation right).	338
<b>Rubriek UP3</b> Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en complete validatie.	<b>339Heading UP3</b> Contains data concerning European patents with accepted ex article 52a (restoration of validation right) and validation completed.	339
<b>Rubriek UP4</b> Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en geen complete validatie.	<b>340Heading UP4</b> Contains data concerning European patents with accepted request ex article 52a (restoration of validation right) and incomplete validation.	340
<b>Rubriek UP5</b> Bevat gegevens over Europese octrooien met afgewezen verzoek ex. artikel 52a (herstel recht op validatie).	<b>341Heading UP5</b> Contains data concerning European patents with rejected request ex article 52a (restoration of validation right).	341
<b>Rubriek UP6</b> Bevat gegevens over Europese octrooien met ingetrokken verzoek ex. artikel 52a (herstel recht op validatie).	<b>342Heading UP6</b> Contains data concerning European patents with withdrawn request ex article 52a (restoration of validation right).	342

## Overzicht van Inid codes

### INID CODES

Inid codes worden gebruikt op de voorpagina van octrooigeschriften en in octrooibulletins. Ze dienen om de verschillende bibliografische gegevens te kunnen begrijpen zonder kennis te hebben van de taal. INID is een acronym van Internationally agreed Numbers for Identification of Data. De definities van INID codes wordt gegeven in de WIPO standaard ST. 9.

- (11) Octrooinummer
- (13) Soort document volgens WIPO standaard 16
- (15) Correctie informatie
- (21) Octrooiaanvraagnummer
- (22) Datum van indiening
- (23) Datum tentoonstelling
- (25) Taal van indiening
- (26) Taal waarin de aanvraag is gepubliceerd
- (30) Voorrangsgegevens
- (31) Nummer voorrang
- (32) Datum voorrang
- (33) Land van herkomst voorrang
- (34) Oorspronkelijk land van indiening
- (40) Datum van inschrijving
- (41) Datum van inschrijving van een octrooiaanvraag
- (42) Datum van inschrijving van een onderzochte aanvraag (openbaarmaking)
- (43) Datum waarop de aanvraag ter inzage is gelegd

### INID CODES

"INID" Codes are used on the front pages of patent documents and in official gazettes to identify various bibliographic data items without knowledge of the language used and the industrial property laws applied. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". The INID Codes are usually given in parenthesis adjacent to the appropriate bibliographic data item. The definitions of the INID Codes are given in WIPO Standard ST. 9 (as of November 1998) and are listed below:

- (11) Patent number
- (13) Kind of document code according to WIPO standard ST.16
- (15) Patent correction information
- (21) Application number
- (22) Date(s) of filing application(s)
- (23) Date of exhibition
- (25) Language in which the published application was originally filed
- (26) Language in which the application is published
- (30) Priority Data
- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filling of priority application(s)
- (33) WIPO Standard ST.3 Code indentifying the national patent office allotting the priority application number or the organization allotting the regional priority application number: for international applications filed under the PCT, the code "WO" is used.
- (34) For priority fillings under the regional or international arrangements, the WIPO Standard ST.3 Code indentifying at least one country party to the Paris Union for which the regional or international application was made.
- (40) Date(s) of making available to the public
- (41) Date of making available to the public by viewing, or copying on request an unexamined patent document, on which no grant has taken place on or before the said date.
- (42) Date of making available to the public by viewing, or copying on request an examined patent document, on which no grant has taken place on or before the said date.
- (43) Date of publication by printing or similar process of anexamined document on which no grant has taken place on or before said date

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

## Rubrieken/Headings

### NP1

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

(51) A01D 84/00	(54) Werkwijze voor het vermeerderen van dahlia's en soortgelijke planten	(51) A47G 29/087
(21) 2031340	(71) My Peony B.V.	B25H 3/00
(22) 21.03.2022	Rudi Cornelis Williebroders Hogenboom	A47B 81/02
(54) A windrow forming device	(72) Rudi Cornelis Williebroders Hogenboom	A47B 77/14
(71) Ploeger Oxbo Europe B.V.	(41) 29.09.2023	A47B 81/00
(74) ir. A. Blokland c.s.	(51) A01M 7/00	A47B 96/02
(72) Marinus Adriaan Grootjans	B64D 1/18	A47L 13/512
Hendrik Willem Breure	(21) 2031312	(21) 2031321
(41) 29.09.2023	(22) 17.03.2022	(22) 18.03.2022
(51) A01G 9/24	(54) VARIABLE SPRAYING CONTROL DEVICE FOR UNMANNED AERIAL VEHICLE	(54) Storage device for floatingly storing tools having a stick
A01G 7/04	(71) Hangzhou Yujiaying Intelligent Technology Co., Ltd.	(71) Bureau Raadkracht B.V.
H05B 45/00	Anhui Agricultural University	(74) ir. A. Blokland c.s.
H05B 47/10	(74) ir. W.J.J.M. Kempes	(72) Adri Eleveld
(21) 2034401	(72) Changjiang Gong	(41) 29.09.2023
(22) 22.03.2023	Niuniu Yin	(51) A61K 9/14
(54) SYSTEMS AND METHODS FOR MANAGING HORTICULTURAL LOAD SHEDDING	Yangyang Liu	A61K 31/135
(71) SOLLUM TECHNOLOGIES INC.	Tao Cheng	A61K 9/00
(74) ir. J.C. Volmer c.s.	Fansheng Meng	(21) 2031331
(72) Marc Tremblay	(41) 29.09.2023	(22) 18.03.2022
Louis Brun	(51) A23L 2/39	(54) TRANSMUCOSAL DELIVERY OF A SHORT-ACTING PSYCHEDELIC COMPOUND
Jacques Poirier	A23L 19/00	(71) Plethora Therapeutics B.V.
Gabriel Dupras	A23L 33/105	(74) dr. A. Krebs
Francois Roy-Moisan	A23F 5/44	(72) Tobias Postma
Florence Longpré	(21) 2031363	(41) 29.09.2023
(31) 63/269,805	(22) 22.03.2022	(51) A61K 31/135
(32) 23.03.2022	(54) Dry coffee substitute mixture	A61K 9/14
(33) United States of America	(71) Northern Wonder Holding B.V.	(21) 2031332
(51) A01H 4/00	(74) drs. P.A. van Essen c.s.	(22) 18.03.2022
A01N 3/00	(72) Onno Franse	(54) TRANSMUCOSAL DELIVERY OF PSYCHOACTIVE COMPOUNDS
(21) 2031306	(41) 03.10.2023	(71) Plethora Therapeutics B.V.
(22) 16.03.2022	(51) A23L 33/105	(74) dr. A. Krebs
(54) METHOD FOR VITRIFICATION AND ULTRA-LOW-TEMPERATURE PRESERVATION OF EMBRYOGENIC CALLUS OF MAGNOLIA OFFICINALIS	A61P 3/06	(72) Tobias Postma
(71) Kunming Institute of Botany, Chinese Academy of Sciences	A61K 35/616	(41) 29.09.2023
(74) ir. W.J.J.M. Kempes	A23L 33/125	(51) A61K 38/26
(72) Weiqi Li	A61K 36/068	A61P 15/08
Liang Lin	A61K 36/07	(21) 2031346
Yanxia Jia	A61K 31/715	(22) 21.03.2022
Junchao Ma	(21) 2031313	(54) USE OF GLUCAGON-LIKE PEPTIDE-1 (GLP-1) IN PREPARATION OF DRUG FOR TREATING MALE HYPOGONADISM SYNDROME
Hongying Chen	(22) 17.03.2022	(71) The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University
Qian Xu	(54) COMPOUND FORMULATION WITH BLOOD LIPID-LOWERING EFFECTS AND PREPARATION METHOD THEREOF	(74) ir. M.B. Plaggenborg
Yanfen Gao	(71) Jilin University	(72) Lanlan Chen
Buzhu Yu	(74) ir. W.J.J.M. Kempes	Renshan Ge
(41) 29.09.2023	(72) Di Wang	Huitao Li
(51) A01H 6/14	Xue Jiang	Xiaoheng Li
A01G 22/60	Jie Hao	Yiyan Wang
A01G 9/029	Lirong Teng	Qiqi Zhu
A01G 24/25	Qingfan Meng	(41) 29.09.2023
(21) 1044281	Jiahui Lu	(51) A61P 1/16
(22) 16.03.2022	Lesheng Teng	
	(41) 29.09.2023	



A61P 5/48	B07C 5/36	B65B 37/02
C07C 45/45	(21) 2031301	B65B 39/00
C07C 49/697	(22) 16.03.2022	(21) 2031324
(21) 2031345	(54) Systeem en werkwijze voor het	(22) 18.03.2022
(22) 21.03.2022	verwerken van producten	(54) Packaging system for producing pouches
(54) 2,5-BIS(2,6-DIFLUOROBENZYLIDENE)-	(71) Vanderlande Industries B.V.	comprising a water-soluble foil and a
CYCLOPENTANONE AND	(74) ir. A. Blokland c.s.	powder
PREPARATION METHOD AND USE	(72) Johannes Martinus Maria van Boxtel	(71) Eme Engel Machinefabriek en
THEREOF	Hugo Laurens Jan Taams	Engineering B.V.
(71) The Second Affiliated Hospital and	(41) 29.09.2023	(74) ir. J.C. Volmer c.s.
Yuying Children's Hospital of Wenzhou	(51) B29C 44/44	(72) Freek Willem Laurens de Ridder
Medical University	B29C 44/34	Maickel Nuij
(74) ir. M.B. Plaggenborg	B29C 33/00	(41) 29.09.2023
(72) Yiyang Wang	(21) 2031344	(51) B65B 53/04
Renshan Ge	(22) 21.03.2022	B65B 53/06
Huitao Li	(54) Mould for particle foam moulding	B65B 57/00
Qiqi Zhu	(71) Thermoware Particle Foam Machinery	(21) 2031304
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(41) 03.10.2023	(74) ir. J.C. Volmer c.s.	(54) Hot Air Shrink Tunnel for Heat Shrinking
(51) A63F 9/02	(72) Jacob Lof	a Shrink Label, Method for Heat
F41A 33/06	Sebastiaan Sarkun Weij	Shrinking a Shrink Label, and Heat
F41B 11/89	Jacob Hendrik Lodders	Shrinking Apparatus for Heat Shrinking a
(21) 2033758	(41) 29.09.2023	Shrink Label
(22) 19.12.2022	(51) B29D 30/48	(71) Fuji Seal International, Inc.
(54) GAME GUN	B29C 48/88	(74) ir. W.J.J.M. Kempes
(71) Ningbo University of Technology	(21) 2031351	(72) Ernst Koolhaas
(74) ir. M.B. Plaggenborg	(22) 21.03.2022	(41) 29.09.2023
(72) Huiping Sun	(54) Apex guide for guiding an apex and apex	(51) B65D 83/20
(41) 29.09.2023	handling device comprising said apex	(21) 2031334
(31) 202210278117.0	guide	(22) 18.03.2022
(32) 21.03.2022	(71) VMI Holland B.V.	(54) Aerosol cap with rupture line
(33) China	(74) ir. F.A. Geurts c.s.	(71) Weener Plastics Group B.V.
(51) B01D 21/28	(72) Willem Marinus van Beek	(74) ir. J.C. Volmer c.s.
B01D 21/24	(41) 03.10.2023	(72) Henricus Johannes Cornelius Nuijen
C11B 3/16	(51) B60R 9/10	Jolijn Marion Schoofs
(21) 2034383	B60R 9/06	(51) B65G 47/91
(22) 20.03.2023	(21) 2035816	B65G 47/90
(54) STORAGE SYSTEM FOR QUICK	(22) 18.09.2023	(21) 2031308
SEDIMENTATION OF CRUDE OIL	(54) CLAMPING MECHANISM AND	(22) 16.03.2022
FOOTS	VEHICLE-MOUNTED TAIL RACK	(54) Loading system and method for loading
(71) ZHEJIANG A&F UNIVERSITY	(71) Jianbo Tao	objects individually onto a main conveyor
(74) ir. W.J.J.M. Kempes	(74) ir. M.B. Plaggenborg	(71) AWL-Techniek B.V.
(72) Linjiang Pang	(72) Jianbo Tao	(74) ir. H.A. Witmans c.s.
Chenglong Wang	(31) 2023222279079	(72) Johannes Willem Douma
Jiyu Cheng	(32) 17.08.2023	Ernst Theodoor Bahlman
Jiande Jin	(33) China	Dennis Driessen
Xinghua Lu	(51) B62H 5/14	Johannes Martinus Maria van Boxtel
Honghui Zhao	(21) 2031358	(41) 29.09.2023
Jun WANG	(22) 21.03.2022	(51) C01B 17/20
Xianghe Meng	(54) Bicycle with lock	C01F 17/00
(31) 202210307149.9	(71) VANMOOF B.V.	C01B 17/16
(32) 25.03.2022	(74) ir. H.Th. van den Heuvel c.s.	(21) 2031328
(33) China	(72) Ties Jonan Midas Carlier	(22) 18.03.2022
(51) B09B 3/00	Job Hendrik Stehmann	(54) Process for the generation of hydrogen
B65B 69/00	Jean-Paul Niellissen	sulfide in the presence of pyrite as
B09B 101/02	(41) 29.09.2023	catalyst
B09B 101/10	(51) B62M 25/00	(71) Wageningen Universiteit
(21) 2031367	B62J 45/415	(74) ir. J.C. Volmer c.s.
(22) 22.03.2022	(21) 2031357	(72) Charlotte Monique van der Graaf
(54) METHOD AND SYSTEM FOR	(22) 21.03.2022	Irene Sanchez Andrea
RECYCLING THE CONTENTS OF	(54) Shifting device and bicycle	(41) 29.09.2023
AEROSOL CANS	(71) VANMOOF B.V.	(51) C08F 122/38
(71) DeSpray Holding B.V.	(74) ir. H.Th. van den Heuvel c.s.	C08F 122/10
(74) dr. ir. G.J.C. Verdijck c.s.	(72) Ties Jonan Midas Carlier	(21) 2032456
(72) Eelco Maarten Osse	Job Hendrik Stehmann	(22) 12.07.2022
(41) 03.10.2023	Jean-Paul Niellissen	(54) TERMINAL DOUBLE-BOND ION-
(51) B25J 9/00	(51) B65B 9/04	RESPONSIVE HYPERBRANCHED
G05B 19/418		

POLYMER AND PREPARATION METHOD AND APPLICATION THEREOF	C25B 15/08 B01D 61/44 B01D 61/50	(74) ir. H.A. Witmans c.s. (72) Joseph Johannes Adrianus Maria van den Oetelaar
(71) ZJU-Hangzhou Global Scientific and Technological Innovation Center	C12P 7/04	(51) F16M 11/10
(74) ir. M.B. Plaggenborg	(21) 2031327	F16M 11/20
(72) Wei Wang	(22) 18.03.2022	F16M 13/02
Xiaoling Kong	(54) Carbon capture and conversion	F21V 21/088
(41) 29.09.2023	(71) Technische Universiteit Delft	(21) 2031492
(31) 202210264623.4	(74) dr. A. Ellens c.s.	(22) 04.04.2022
(32) 17.03.2022	(72) Rezvan Sharifian	(54) FUNCTIONAL HEAD SYSTEM AND METHOD FOR SECURING THE SAME
(33) China	David Arie Vermaas	(71) SCHREDER S.A
(51) C12N 15/62	Jan Jorrit Bleeker	(74) dr. ir. G.J.C. Verdijck c.s.
C07K 14/47	Martijn Wagterveld	(72) Julien Pouilly
C12N 9/10	(41) 29.09.2023	Russell Pilbeam
(21) 2031325	(51) E01F 8/00	Richard Bentley
(22) 18.03.2022	E04B 2/12	Toon Reynders
(54) Novel zinc finger degraon sequences	E01F 8/02	(41) 03.10.2023
(71) Stichting Het Nederlands Kanker Instituut-Antoni van Leeuwenhoek Ziekenhuis	(21) 2031381	(31) 2031307
(74) ir. A. Blokland c.s.	(22) 22.03.2022	(32) 22.03.2022
(72) Ali Can Sahillioğlu	(54) Noise barrier and building blocks for noise barrier	(33) Netherlands
Antonius Nicolaas Maria Schumacher	(71) Tom Jaring	(51) F21V 23/00
(41) 29.09.2023	(74) ir. M. van der Velden	F21V 29/508
(51) C12Q 1/6806	(72) Tom Jaring	F21V 23/02
(21) 2031337	(41) 03.10.2023	F21S 8/08
(22) 18.03.2022	(51) E03C 1/00	F21V 15/01
(54) Method for separating high-methylated DNA and low-methylated DNA	D06F 39/00	(21) 2031305
(71) Universiteit Twente	D06F 95/00	(22) 16.03.2022
(74) ir. J.C. Volmer c.s.	(21) 2031338	(54) VERSATILE LUMINAIRE HOUSING
(72) Jurriaan Hüskens	(22) 18.03.2022	(71) SCHREDER S.A
Loes Irene Segerink	(54) System and method for heating washing water for use in industrial textile washing machines	(74) dr. ir. G.J.C. Verdijck c.s.
Ruben William Kolkman	(71) TBR B.V.	(72) Emese Görgényi
(41) 29.09.2023	(74) ir. H.Th. van den Heuvel c.s.	Zoltán Janki
(51) C12Q 1/6816	(72) Hendrik Klatter	Ferenc Lámfalusi
G01N 21/64	Jakob Hendrik Reinders	Péter Budavári
G01N 33/53	(41) 29.09.2023	(51) G01B 11/02
(21) 2031354	(51) E04G 1/24	G01N 19/02
(22) 21.03.2022	E04G 21/14	G01B 7/02
(54) METHOD FOR DETECTING DNA HYBRIDIZATION USING SURFACE- CATIONIZED R-PHYCOERYTHRIN (R- PE)	E04G 21/16	(21) 2031348
(71) SHANGHAI OCEAN UNIVERSITY	(21) 2031356	(22) 21.03.2022
(74) ir. M.B. Plaggenborg	(22) 21.03.2022	(54) MATERIAL FRICTION TEST BENCH WITH LASER DISPLACEMENT SENSOR
(72) Jikui Wu	(54) Metselsteiger met console aan gevelzijde	(71) Shenzhen Vortex Technology Co., Ltd. China Automotive Engineering Research Institute Co., Ltd.
Ningna Ren	(71) Javad Rostami	(74) ir. W.J.J.M. Kempes
Yunfei Lu	(74) ir. B.J. 't Jong	(72) Peiran Li
Junling Zhang	(72) Dean Sebastiaan van der Putten	Hanjie Zeng
(41) 03.10.2023	(51) F03B 11/00	(41) 03.10.2023
(51) C23F 13/18	H02K 7/116	(51) G01N 1/40
C23F 13/10	F03B 13/18	C12N 5/00
(21) 2031333	(21) 2031343	G01N 33/52
(22) 18.03.2022	(22) 21.03.2022	(21) 2034093
(54) Cathodic protection device for use in an Impressed Current Cathodic Protection system	(54) HYDRODYNAMIC SYSTEM BASED ON PRINCETON OCEAN MODEL	(22) 06.02.2023
(71) Corrosion & Water-Control Shared Services B.V.	(71) FIRST INSTITUTE OF OCEANOGRAPHY, MINISTRY OF NATURAL RESOURCES	(54) METHOD FOR SEPARATING EXOSOMES FROM APOSTICHOPUS JAPONICUS BODY FLUID SAMPLE
(74) ir. J.C. Volmer c.s.	(74) ir. M.B. Plaggenborg	(71) Institute of Oceanology, Chinese Academy of Sciences
(72) Jacob Daniel van der Spek	(72) Changshui Xia	(74) ir. W.J.J.M. Kempes
(41) 29.09.2023	(51) F04B 39/12	(72) Da Huo
(51) C25B 1/04	F04B 39/16	Hongsheng Yang
C25B 1/23	F04B 27/053	Libin Zhang
C25B 9/19	F04B 35/01	Chenggang Lin
	(21) 2031315	Lina Sun
	(22) 17.03.2022	Shilin Liu
	(54) A compressor assembly	Wei Cui
	(71) GEA Refrigeration Netherlands N.V.	

Fang Su	B26F 1/14
(41) 29.09.2023	B26F 1/40
(31) 202210264562.1	B26F 1/44
(32) 17.03.2022	H01M 4/04
(33) China	B21D 28/02
(51) G01N 25/18	B21D 28/04
C12Q 1/6825	B26D 7/18
(21) 2031326	B26F 1/38
(22) 18.03.2022	H01M 10/052
(54) A sensing device for detecting analytes using a base material having a polymer material thereon, as well as a method for manufacturing such sensing device.	(21) 2034063
(71) Universiteit Maastricht	(22) 01.02.2023
(74) ir. A. Blokland c.s.	(54) MACHINING METHOD FOR POSITIVE AND NEGATIVE POLE PIECES OF LITHIUM BATTERY
(72) Hanne Diliën	(71) Tianke New Energy Co., Ltd.
Kasper Brecht Leander Eersels	(74) ir. W.J.J.M. Kempes
Bart Robert Nicolaas van Grinsven	(72) Zhe Zong
Thomas Jan Cleij	Xianfu Sun
Rocio Arreguin Campos	Shenghui Lu
(41) 29.09.2023	Wenkang Li
(51) G01N 30/02	(31) 202210294282.5
G01N 30/06	(32) 24.03.2022
G01N 30/74	(33) China
G01N 30/86	(51) H05G 2/00
(21) 2031352	G03F 7/20
(22) 21.03.2022	(21) 2034127
(54) HIGH PERFORMANCE LIQUID CHROMATOGRAPHY METHOD FOR DETECTING LONG-CHAIN FATTY ALDEHYDE IN VEGETABLE OIL BY FLUORESCENCE PROBE PRE-COLUMN DERIVATIZATION	(22) 10.02.2023
(71) Jining Medical University	(54) EXTREME ULTRAVIOLET LIGHT GENERATION APPARATUS AND ELECTRONIC DEVICE MANUFACTURING METHOD
(74) ir. W.J.J.M. Kempes	(71) Gigaphoton Inc.
(72) Minna Zhang	(74) ir. H.Th. van den Heuvel c.s.
Xiao Fan	(72) Yoshiyuki Honda
Litao Wang	(31) 2022-049319
Jian Xu	(32) 25.03.2022
Ruifang Ding	(33) Japan
Mei Lv	
Sheng Liu	
(41) 03.10.2023	
(51) G01V 1/22	
(21) 2031347	
(22) 21.03.2022	
(54) SEISMIC DATA REAL-TIME COLLECTING DEVICE, SYSTEM AND METHOD	
(71) Institute of Geology and Geophysics, Chinese Academy of Sciences	
(74) ir. W.J.J.M. Kempes	
(72) Yaoxing Hu	
Qingyu You	
Tianyao Hao	
Yan Zhang	
(51) G06V 20/40	
G06V 20/52	
(21) 2031336	
(22) 18.03.2022	
(54) Sports timing based on a camera system	
(71) MyLaps B.V.	
(74) ir. A.R. Aalbers	
(72) Cosmin Octavian Pene	
(41) 29.09.2023	
(51) H01M 10/04	
B26D 7/01	

## NP2

**Ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.  
Contains data concerning Netherlands patents which have been entered in the patent  
register under the Patents Act 1995.**

(51) A01D 84/00	A23L 19/00	(51) A61K 31/135
(11) 2031340	A23L 33/105	A61K 9/14
(47) 29.09.2023	A23F 5/44	(11) 2031332
(22) 21.03.2022	(11) 2031363	(47) 29.09.2023
(54) A windrow forming device	(47) 03.10.2023	(22) 18.03.2022
(73) Ploeger Oxbo Europe B.V.	(22) 22.03.2022	(54) TRANSMUCOSAL DELIVERY OF
(72) Marinus Adriaan Grootjans	(54) Dry coffee substitute mixture	PSYCHOACTIVE COMPOUNDS
Hendrik Willem Breure	(73) Northern Wonder Holding B.V.	(73) Plethora Therapeutics B.V.
(74) ir. A. Blokland c.s.	(72) Onno Franse	(72) Tobias Postma
(74) drs. P.A. van Essen c.s.	(74) drs. P.A. van Essen c.s.	(74) dr. A. Krebs
(51) A01H 4/00	(51) A23L 33/105	(51) A61K 38/26
A01N 3/00	A61P 3/06	A61P 15/08
(11) 2031306	A61K 35/616	(11) 2031346
(47) 29.09.2023	A23L 33/125	(47) 29.09.2023
(22) 16.03.2022	A61K 36/068	(22) 21.03.2022
(54) METHOD FOR VITRIFICATION	A61K 36/07	(54) USE OF GLUCAGON-LIKE PEPTIDE-1
AND ULTRA-LOW-TEMPERATURE	A61K 31/715	(GLP-1) IN PREPARATION OF
PRESERVATION OF EMBRYOGENIC	(11) 2031313	DRUG FOR TREATING MALE
CALLUS OF MAGNOLIA OFFICINALIS	(47) 29.09.2023	HYPOGONADISM SYNDROME
(73) Kunming Institute of Botany, Chinese	(22) 17.03.2022	(73) The Second Affiliated Hospital and
Academy of Sciences	(54) COMPOUND FORMULATION WITH	Yuying Children's Hospital of Wenzhou
(72) Weiqi Li	BLOOD LIPID-LOWERING EFFECTS	Medical University
Liang Lin	AND PREPARATION METHOD	(72) Lanlan Chen
Yanxia Jia	THEREOF	Renshan Ge
Junchao Ma	(73) Jilin University	Huitao Li
Hongying Chen	(72) Di Wang	Xiaoheng Li
Qian Xu	Xue Jiang	Yiyan Wang
Yanfen Gao	Jie Hao	Qiqi Zhu
Buzhu Yu	Lirong Teng	(74) ir. M.B. Plaggenborg
(74) ir. W.J.J.M. Kempes	Qingfan Meng	(51) A61P 1/16
(51) A01H 6/14	Jiahui Lu	A61P 5/48
A01G 22/60	Lesheng Teng	C07C 45/45
A01G 9/029	(74) ir. W.J.J.M. Kempes	C07C 49/697
A01G 24/25	(51) A47G 29/087	(11) 2031345
(11) 1044281	B25H 3/00	(47) 03.10.2023
(47) 29.09.2023	A47B 81/02	(22) 21.03.2022
(22) 16.03.2022	A47B 77/14	(54) 2,5-BIS(2,6-DIFLUOROBENZYLIDENE)-
(54) Werkwijze voor het vermeerderen van	A47B 81/00	CYCLOPENTANONE AND
dahlia's en soortgelijke planten	A47B 96/02	PREPARATION METHOD AND USE
(73) My Peony B.V.	A47L 13/512	THEREOF
Rudi Cornelis Williebrorders Hogenboom	(11) 2031321	(73) The Second Affiliated Hospital and
(72) Rudi Cornelis Williebrorders Hogenboom	(47) 29.09.2023	Yuying Children's Hospital of Wenzhou
(51) A01M 7/00	(22) 18.03.2022	Medical University
B64D 1/18	(54) Storage device for floatingly storing tools	(72) Yiyan Wang
(11) 2031312	having a stick	Renshan Ge
(47) 29.09.2023	(73) Bureau Raadkracht B.V.	Huitao Li
(22) 17.03.2022	(72) Adri Eleveld	Qiqi Zhu
(54) VARIABLE SPRAYING CONTROL	(74) ir. A. Blokland c.s.	Xiaoheng Li
DEVICE FOR UNMANNED AERIAL	(51) A61K 9/14	(74) ir. M.B. Plaggenborg
VEHICLE	A61K 31/135	(51) A63F 9/02
(73) Hangzhou Yujiaying Intelligent	A61K 9/00	F41A 33/06
Technology Co., Ltd.	(11) 2031331	F41B 11/89
Anhui Agricultural University	(47) 29.09.2023	(11) 2033758
(72) Changjiang Gong	(22) 18.03.2022	(47) 29.09.2023
Niuniu Yin	(54) TRANSMUCOSAL DELIVERY OF	(22) 19.12.2022
Yangyang Liu	A SHORT-ACTING PSYCHEDELIC	(54) GAME GUN
Tao Cheng	COMPOUND	(73) Ningbo University of Technology
Fansheng Meng	(73) Plethora Therapeutics B.V.	(72) Huiping Sun
(74) ir. W.J.J.M. Kempes	(72) Tobias Postma	(74) ir. M.B. Plaggenborg
(51) A23L 2/39	(74) dr. A. Krebs	(31) 202210278117.0

(32) 21.03.2022	(54) Apex guide for guiding an apex and apex handling device comprising said apex guide	(47) 29.09.2023
(33) China		(22) 16.03.2022
(51) B09B 3/00		(54) Loading system and method for loading objects individually onto a main conveyor
B65B 69/00	(73) VMI Holland B.V.	
B09B 101/02	(72) Willem Marinus van Beek	(73) AWL-Techniek B.V.
B09B 101/10	(74) ir. F.A. Geurts c.s.	(72) Johannes Willem Douma
(11) 2031367	(51) B62H 5/14	Ernst Theodoor Bahlman
(47) 03.10.2023	(11) 2031358	Dennis Driessen
(22) 22.03.2022	(47) 29.09.2023	Johannes Martinus Maria van Boxtel
(54) METHOD AND SYSTEM FOR RECYCLING THE CONTENTS OF AEROSOL CANS	(22) 21.03.2022	(74) ir. H.A. Witmans c.s.
(73) DeSpray Holding B.V.	(54) Bicycle with lock	(51) C01B 17/20
(72) Eelco Maarten Osse	(73) VANMOOF B.V.	C01F 17/00
(74) dr. ir. G.J.C. Verdijck c.s.	(72) Ties Jonan Midas Carlier	C01B 17/16
	Job Hendrik Stehmann	(11) 2031328
	Jean-Paul Niellissen	(47) 29.09.2023
(51) B25J 9/00	(74) ir. H.Th. van den Heuvel c.s.	(22) 18.03.2022
G05B 19/418	(51) B62M 25/00	(54) Process for the generation of hydrogen sulfide in the presence of pyrite as catalyst
B07C 5/36	B62J 45/415	(73) Wageningen Universiteit
(11) 2031301	(11) 2031357	(72) Charlotte Monique van der Graaf
(47) 29.09.2023	(47) 03.10.2023	Irene Sanchez Andrea
(22) 16.03.2022	(22) 21.03.2022	(74) ir. J.C. Volmer c.s.
(54) Systeem en werkwijze voor het verwerken van producten	(54) Shifting device and bicycle	(51) C08F 122/38
(73) Vanderlande Industries B.V.	(73) VANMOOF B.V.	C08F 122/10
(72) Johannes Martinus Maria van Boxtel	(72) Ties Jonan Midas Carlier	(11) 2032456
Hugo Laurens Jan Taams	Job Hendrik Stehmann	(47) 29.09.2023
(74) ir. A. Blokland c.s.	Jean-Paul Niellissen	(22) 12.07.2022
	(74) ir. H.Th. van den Heuvel c.s.	(54) TERMINAL DOUBLE-BOND ION-RESPONSIVE HYPERBRANCHED POLYMER AND PREPARATION METHOD AND APPLICATION THEREOF
(51) B28B 21/60	(51) B65B 9/04	(73) ZJU-Hangzhou Global Scientific and Technological Innovation Center
E02D 5/58	B65B 37/02	(72) Wei Wang
(11) 2033319	B65B 39/00	Xiaoling Kong
(47) 27.09.2023	(11) 2031324	(74) ir. M.B. Plaggenborg
(22) 14.10.2022	(47) 29.09.2023	(31) 202210264623.4
(54) MANUFACTURING DEVICE AND METHOD FOR NOVEL PRESTRESSED REINFORCED CONCRETE PILE	(22) 18.03.2022	(32) 17.03.2022
(73) HuangHuai University	(54) Packaging system for producing pouches comprising a water-soluble foil and a powder	(33) China
ZhengZhou University Multi-functional Design and Research Academy Co. Ltd.	(73) Eme Engel Machinefabriek en Engineering B.V.	(51) C12N 15/62
(72) Tonghe Zhou	(72) Freek Willem Laurens de Ridder	C07K 14/47
Xiuyun Chen	Maickel Nuij	C12N 9/10
Xinling Wang	(74) ir. J.C. Volmer c.s.	(11) 2031325
Wei Gao	(51) B65B 53/04	(47) 29.09.2023
Juntao Zhu	B65B 53/06	(22) 18.03.2022
(74) ir. M.B. Plaggenborg	B65B 57/00	(54) Novel zinc finger degenon sequences
(31) 202111432573.8	(11) 2031304	(73) Stichting Het Nederlands Kanker Instituut-Antoni van Leeuwenhoek Ziekenhuis
(32) 29.11.2021	(47) 29.09.2023	(72) Ali Can Sahillioglu
(33) China	(22) 16.03.2022	Antonius Nicolaas Maria Schumacher
(51) B29C 44/44	(54) Hot Air Shrink Tunnel for Heat Shrinking a Shrink Label, Method for Heat Shrinking a Shrink Label, and Heat Shrinking Apparatus for Heat Shrinking a Shrink Label	(74) ir. A. Blokland c.s.
B29C 44/34	(73) Fuji Seal International, Inc.	(51) C12Q 1/6806
B29C 33/00	(72) Ernst Koolhaas	(11) 2031337
(11) 2031344	(74) ir. W.J.J.M. Kempes	(47) 29.09.2023
(47) 29.09.2023	(51) B65D 83/20	(22) 18.03.2022
(22) 21.03.2022	(11) 2031334	(54) Method for separating high-methylated DNA and low-methylated DNA
(54) Mould for particle foam moulding	(47) 29.09.2023	(73) Universiteit Twente
(73) Thermoware Particle Foam Machinery B.V.	(22) 18.03.2022	(72) Jurriaan Hüskens
(72) Jacob Lof	(54) Aerosol cap with rupture line	Loes Irene Segerink
Sebastiaan Sarkun Weij	(73) Weener Plastics Group B.V.	Ruben William Kolkman
Jacob Hendrik Lodders	(72) Henricus Johannes Cornelius Nuijen	(74) ir. J.C. Volmer c.s.
(74) ir. J.C. Volmer c.s.	Jolijn Marion Schoofs	(51) C12Q 1/6816
	(74) ir. J.C. Volmer c.s.	G01N 21/64
(51) B29D 30/48	(51) B65G 47/91	
B29C 48/88	B65G 47/90	
(11) 2031351	(11) 2031308	
(47) 03.10.2023		
(22) 21.03.2022		

G01N 33/53	(51) E04G 1/24	(74) dr. ir. G.J.C. Verdijck c.s.
(11) 2031354	E04G 21/14	(51) G01B 11/02
(47) 03.10.2023	E04G 21/16	G01N 19/02
(22) 21.03.2022	(11) 2031356	G01B 7/02
(54) METHOD FOR DETECTING DNA	(47) 29.09.2023	(11) 2031348
HYBRIDIZATION USING SURFACE-	(22) 21.03.2022	(47) 03.10.2023
CATIONIZED R-PHYCOERYTHRIN (R-	(54) Metselsteiger met console aan gevelzijde	(22) 21.03.2022
PE)	(73) Javad Rostami	(54) MATERIAL FRICTION TEST BENCH
(73) SHANGHAI OCEAN UNIVERSITY	(72) Dean Sebastiaan van der Putten	WITH LASER DISPLACEMENT
(72) Jikui Wu	(74) ir. B.J. 't Jong	SENSOR
Ningna Ren	(51) F03B 11/00	(73) Shenzhen Vortex Technology Co., Ltd.
Yunfei Lu	H02K 7/116	China Automotive Engineering Research
Junling Zhang	F03B 13/18	Institute Co., Ltd.
(74) ir. M.B. Plaggenborg	(11) 2031343	(72) Peiran Li
(51) C23F 13/18	(47) 03.10.2023	Hanjie Zeng
C23F 13/10	(22) 21.03.2022	(74) ir. W.J.J.M. Kempes
(11) 2031333	(54) HYDRODYNAMIC SYSTEM BASED ON	(51) G01N 1/40
(47) 29.09.2023	PRINCETON OCEAN MODEL	C12N 5/00
(22) 18.03.2022	(73) FIRST INSTITUTE OF	G01N 33/52
(54) Cathodic protection device for use in an	OCEANOGRAPHY, MINISTRY OF	(11) 2034093
Impressed Current Cathodic Protection	NATURAL RESOURCES	(47) 29.09.2023
system	(72) Changshui Xia	(22) 06.02.2023
(73) Corrosion & Water-Control Shared	(74) ir. M.B. Plaggenborg	(54) METHOD FOR SEPARATING
Services B.V.	(51) F04B 39/12	EXOSOMES FROM APOSTICHOPUS
(72) Jacob Daniel van der Spek	F04B 39/16	JAPONICUS BODY FLUID SAMPLE
(74) ir. J.C. Volmer c.s.	F04B 27/053	(73) Institute of Oceanology, Chinese
(51) C25B 1/04	F04B 35/01	Academy of Sciences
C25B 1/23	(11) 2031315	(72) Da Huo
C25B 9/19	(47) 29.09.2023	Hongsheng Yang
C25B 15/08	(22) 17.03.2022	Libin Zhang
B01D 61/44	(54) A compressor assembly	Chenggang Lin
B01D 61/50	(73) GEA Refrigeration Netherlands N.V.	Lina Sun
C12P 7/04	(72) Joseph Johannes Adrianus Maria van	Shilin Liu
(11) 2031327	den Oetelaar	Wei Cui
(47) 29.09.2023	(74) ir. H.A. Witmans c.s.	Fang Su
(22) 18.03.2022	(51) F16M 11/10	(74) ir. W.J.J.M. Kempes
(54) Carbon capture and conversion	F16M 11/20	(31) 202210264562.1
(73) Technische Universiteit Delft	F16M 13/02	(32) 17.03.2022
(72) Rezvan Sharifian	F21V 21/088	(33) China
David Arie Vermaas	(11) 2031492	(51) G01N 25/18
Jan Jorrit Bleeker	(47) 03.10.2023	C12Q 1/6825
Martijn Wagterveld	(22) 04.04.2022	(11) 2031326
(74) dr. A. Ellens c.s.	(54) FUNCTIONAL HEAD SYSTEM AND	(47) 29.09.2023
(51) E01F 8/00	METHOD FOR SECURING THE SAME	(22) 18.03.2022
E04B 2/12	(73) SCHREDER S.A	(54) A sensing device for detecting analytes
E01F 8/02	(72) Julien Pouilly	using a base material having a polymer
(11) 2031381	Russell Pilbeam	material thereon, as well as a method for
(47) 03.10.2023	Richard Bentley	manufacturing such sensing device.
(22) 22.03.2022	Toon Reynders	(73) Universiteit Maastricht
(54) Noise barrier and building blocks for	(74) dr. ir. G.J.C. Verdijck c.s.	(72) Hanne Diliën
noise barrier	(31) 2031307	Kasper Brecht Leander Eersels
(73) Tom Jaring	(32) 22.03.2022	Bart Robert Nicolaas van Grinsven
(72) Tom Jaring	(33) Netherlands	Thomas Jan Cleij
(74) ir. M. van der Velden	(51) F21V 23/00	Rocio Arreguin Campos
(51) E03C 1/00	F21V 29/508	(74) ir. A. Blokland c.s.
D06F 39/00	F21V 23/02	(51) G01N 30/02
D06F 95/00	F21S 8/08	G01N 30/06
(11) 2031338	F21V 15/01	G01N 30/74
(47) 29.09.2023	(11) 2031305	G01N 30/86
(22) 18.03.2022	(47) 29.09.2023	(11) 2031352
(54) System and method for heating washing	(22) 16.03.2022	(47) 03.10.2023
water for use in industrial textile washing	(54) VERSATILE LUMINAIRE HOUSING	(22) 21.03.2022
machines	(73) SCHREDER S.A	(54) HIGH PERFORMANCE LIQUID
(73) TBR B.V.	(72) Emese Görgényi	CHROMATOGRAPHY METHOD FOR
(72) Hendrik Klatter	Zoltán Janki	DETECTING LONG-CHAIN FATTY
Jakob Hendrik Reinders	Ferenc Lámfalusi	ALDEHYDE IN VEGETABLE OIL
(74) ir. H.Th. van den Heuvel c.s.	Péter Budavári	BY FLUORESCENCE PROBE PRE-
		COLUMN DERIVATIZATION

(73) Jining Medical University	(74) ir. H.Th. van den Heuvel c.s.
(72) Minna Zhang	(31) 201911279167.5
Xiao Fan	(32) 13.12.2019
Litao Wang	(33) China
Jian Xu	(51) H04W 12/08
Ruifang Ding	H04W 12/79
Mei Lv	H04W 12/088
Sheng Liu	H04W 12/69
(74) ir. W.J.J.M. Kempes	H04W 74/08
(51) G01N 33/18	H04L 9/40
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**Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995..  
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**EP1**

**Vertaalde conclusies van Europese octrooiaanvragen.**

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

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(54) PROCESS FOR MAKING ANIMAL	VITALE, Davide	(54) ORAL PRODUCT WITH A BASIC
FEED MASH AGGLOMERATES,	TULBEK, Mehmet	AMINE AND AN ION PAIRING AGENT
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AND USE OF GELATINISED STARCH	(32) 15.06.2017	(72) POOLE, Thomas H.
(73) Forfarmers Corporate Services B.V.	(33) United States of America	KELLER, Christopher
(72) GAASENBEEK E/V GRAS, Annemieke,	(51) A23L 27/30	KEYSER, Brian Michael
Claziena	A23L 2/00	MOLDOVEANU, Serban C.
VAN WESEL, Adrianus, Augustinus,	A23L 2/52	(31) 201916568034
Maria	A23L 2/60	(32) 11.09.2019
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(73) PerformaNat GmbH	04.08.2016	SCREW CONVEYORS FOR TOBACCO
(72) ROSENDAHL, Julia	(33) United States of America	MATERIAL
SCHRAPERS, Katharina	United States of America	(73) Philip Morris Products, S.A.
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(32) 20.06.2019	A23P 20/13	CALI, Ricardo
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A23L 29/269	(54) APPARATUS AND METHOD FOR	G01N 21/84
A23L 27/12	COATING PRODUCT IN FLAVOURING	G01N 21/89
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Mizkan Co., Ltd.	(47) 04.10.2023	FOR INSPECTING SHEET MATERIAL

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(72) BATISTA, Rui, Nuno	(72) PAPAKYRILLOU, Stefanos	HUANG, Liuming
CALI, Ricardo	(31) 19386050	WANG, Jiajun
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(54) DEVICE AND METHOD FOR	INSTRUMENT	16.12.2021
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CIGARETTE ROD SEGMENTS IN A	(72) KURTHY, Rodger	(54) COVER ASSEMBLY AND AEROSOL
MACHINE FOR MAKING CIGARETTES	(31) 201462072828 P	GENERATING DEVICE INCLUDING
(73) G.D S.p.A.	(32) 30.10.2014	THE SAME
(72) PASTORE, Fulvio	(33) United States of America	(73) KT&G Corporation
RIZZO, Nicola	(51) A24F 40/10	(72) KIM, Dong Sung
BENNI, Gabriele	A24F 40/42	JEONG, Heon Jun
GAMBERINI, Giuliano	A24F 40/46	LEE, Won Kyeong
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(47) 04.10.2023	(54) A CARTRIDGE FOR AN ELECTRONIC	H05B 3/58
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04.03.2021	CIGARETTE, AND AN ASSEMBLY	(11) EP4111893
(22) 20.08.2020	METHOD FOR AN ELECTRONIC	(21) EP20962018.6
(54) AEROSOL-GENERATING ARTICLE	CIGARETTE	(47) 04.10.2023
WRAPPER COMPRISING HEAT	(73) JT International SA	(87) CN2020130561
SENSITIVE INDICATION MEANS	(72) VOERMANN, Paul	27.05.2022
(73) JT International SA	POPKEN, Sebo	(22) 20.11.2020
(72) KITAOKA, Ryo	HUPKES, Ernst	(54) ATOMIZING UNIT AND ATOMIZING
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(54) MULTI-LAYERED TOBACCO CAPSULE	SUBSTANCE USAGE CONTROLS	(22) 25.08.2020
FOR HOOKAH	(73) JT International SA	(54) AEROSOL-GENERATING DEVICE
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(72) NAKASH, Avicai	(31) 40213610 P	HEATER
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10.06.2021	AEROSOL GENERATING DEVICE AND	(47) 04.10.2023
(22) 30.11.2020	CORRESPONDING DEVICE	(22) 26.08.2016
(54) AEROSOL-GENERATING ARTICLE	(73) Shanghai New Tobacco Product	(54) CARTRIDGE FOR USE WITH
FILTER HAVING NOVEL FILTRATION	Research Institute Co., Ltd	APPARATUS FOR HEATING
MATERIAL	Shanghai Tobacco Group Co., Ltd.	SMOKABLE MATERIAL

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A61M 11/04	(54) AEROSOL GENERATING DEVICE AND	C08G 18/76
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(54) AEROSOL-GENERATING DEVICE	HAN, Dae Nam	(21) EP19894240.1
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COURBAT, Jerome Christian	A61M 15/00	(73) DIC Corporation
REEVELL, Tony	A61M 15/06	(72) TANAKA Hiroki
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G05B 19/042	AIRFLOW END ELEMENT	D06Q 1/00
H02M 3/157	(73) Philip Morris Products S.A.	F21K 9/00
H02M 1/32	(72) CAMPITELLI, Gennaro	F21V 33/00
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POWER CHIP WITH AUTOMATIC	(47) 04.10.2023	A PAILLETTE, AND METHOD FOR
CLOSED-LOOP CONTROL FOR	(87) US2019064172	PRODUCING SAID ARRANGEMENT
OUTPUT	23.07.2020	(73) Robert Bosch GmbH
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Limited	(54) SOCK WITH INTEGRALLY KNIT GRIP	(31) 102019200093
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(32) 03.01.2020	(22) 25.01.2022	A THERMOPLASTIC MATERIAL
(33) Korea (Republic)	(54) DESIGN SUPPORT APPARATUS,	AND A METHOD FOR USE IN
(51) A42B 3/14	DESIGN METHOD AND UPPER	MANUFACTURING SUCH A SHOE
(11) EP4114223	PRODUCING SYSTEM	(73) Covestro (Netherlands) B.V.
(21) EP21710450.4	(73) ASICS Corporation	(72) PAPEGAALJ, Alwin
(47) 04.10.2023	(72) KOZUKA, Yuya	STEPANYAN, Roman
(87) EP2021055605	WAKASUGI, Shinsaku	UDDING, Jan, Henderikus
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(22) 05.03.2021	TANIGUCHI, Norihiko	(32) 03.09.2018
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(73) Schubert GmbH	HATANO, Genki	(51) A43B 9/16
(72) LÜBKE, Karsten	TAKASHIMA, Shingo	A43B 1/00
SCHRADE, Michél	SAKAGUCHI, Masanori	B29D 35/06
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(21) EP19769322.9	(11) EP3855969	(72) NAGATA, Shintaro
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PROVIDING AIR FLOW AND HARD HAT	(54) AN UPPER FOR AN ARTICLE OF	A43B 11/00
ADAPTER FOR SUCH A DEVICE	FOOTWEAR	(11) EP3846656
(73) Illinois Tool Works Inc.	(73) Nike Innovate C.V.	(21) EP19770234.3
(72) MUSKE, Mitchell James	(72) FRAZIER, Devon	(47) 04.10.2023
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A43B 13/18	(33) United States of America	ORAND, Austin J.
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(54) CUSHIONING MEMBER FOR ARTICLE	(22) 13.05.2016	(21) EP18739111.5
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(47) 04.10.2023	(21) EP21703208.5	EBOSHIDA, Akira
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(22) 29.11.2018	12.08.2021	(32) 16.12.2016
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(73) BabyBjörn AB	(54) FOLDING STICK	(51) A45D 34/04
(72) DOLK, Jonas	(73) Lekisport AG	B01L 3/02
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VEJBRINK, Ulrika	(31) 1402020	(11) EP4025095
ANDERSSON, Henrik	(32) 07.02.2020	(21) EP20772480.8
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A44C 27/00	(87) EP2020070851	(72) BARTOLUCCI, Stefano
B32B 5/14	04.02.2021	GRUBBS, Nathan, Daniel
B44C 1/28	(22) 23.07.2020	(31) 201962894864 P
B44C 3/12	(54) PIECE OF LUGGAGE	(32) 02.09.2019
D06Q 1/10	(73) RIMOWA GmbH	(33) United States of America
H04M 1/02	(72) DAUCHIN, Benoît Gérard Marie	(51) A45D 40/22
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(22) 05.03.2021	31.10.2019	(22) 09.12.2021
(54) MANUFACTURED PART, WATCH STRAP STRAND AND METHOD FOR MANUFACTURING THE MANUFACTURED PART	(33) Germany	(54) CONTAINER DESIGNED FOR COSMETIC PRODUCT MADE FROM SINGLE PLASTIC MATERIAL
(73) BIWI S.A.	European Patent Office (EPO)	(73) ALBEA SERVICES
(72) BOURQUARD, Pascal	(51) A45C 11/00	(72) SEGUIN, Franck
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(32) 17.03.2020	A63B 55/10	(32) 27.09.2021
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(51) A44C 5/12	(11) EP3672444	(51) A46B 3/18
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CLEANER, AND HAND DRYING	LEVIN, Shalom	(73) Samsung Electronics Co., Ltd.
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(73) Mitsubishi Electric Corporation	HENRY, Justin	CHOI, In Gyu
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(22) 19.12.2020	(54) CRYSTALLINE FORMS OF	23.07.2015
(54) PHOTODYNAMIC THERAPY DEVICE	DEUTERIUM-ENRICHED	(22) 17.12.2014
(73) GyruS ACMI, Inc., d.b.a. Olympus	PIOGLITAZONE	(54) PEDICULICIDAL COMPOSITION
Surgical Technologies America	(73) Poxel SA	(73) Hatchtech Pty Ltd
(72) MURDESHWAR, Nikhil M.	(72) NAVARRE, Laure Françoise Valérie	(72) HARDING, Ronald
HOLMAN, Thomas	GARDETTE, Emeline	SCHULZ, Lewis, David
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CORDERO MARCOS, Maria Isabel	C07D 405/12	(22) 19.02.2010
NORD, Janne	C07D 409/12	(54) METHODS AND COMPOSITIONS FOR
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(87) US2019028724	(54) COMPOUNDS SUITABLE FOR THE	(72) SAHIN, Ugur
07.11.2019	TREATMENT AND PROPHYLAXIS	TÜRECI, Özlem
(22) 23.04.2019	OF MUSCLE WASTING AND OTHER	KOSLOWSKI, Michael
(54) PHANTOM FOR ADAPTIVE	CONDITIONS	HELFTENBEIN, Gerd
RADIOTHERAPY	(73) Adams, Volker	KORDEN, Walter
(73) Elekta, Inc.	Labeit, Siegfried	WÖLL, Stefan
(72) MAGRO, Nicolette Patricia	(72) Adams, Volker	OPREA, Gabriela-Elena
HAN, Xiao	Labeit, Siegfried	(31) 260135 P
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(73) ViewRay Technologies, Inc.	COMPOUNDS	European Patent Office (EPO)
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(54) HAIR TREATMENT COMPOSITIONS, SYSTEMS, DEVICES AND METHODS	(51) A62B 1/20	(54) MOTION ASSISTANCE APPARATUS
(73) Wella International Operations Switzerland Sàrl	A63B 29/02	(73) Samsung Electronics Co., Ltd. Research & Business Foundation Sungkyunkwan University
(72) MUNIZ, Dena	F16G 11/10	(72) LEE, Min Hyung
PERDOMO, Leobaldo Antonio	B63B 21/08	CHOI, Byung June
KERR, George Scott	(11) EP3558470	KIM, Jeong Hun
RIPLEY, Aideen Noelle	(21) EP17883948.6	ROH, Se Gon
LAFELDT, Chad	(47) 04.10.2023	LEE, Youn Baek
MILLER, Jeffrey	(87) AU2017051411	LEE, Jong Won
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FREIDAG, Carin	(22) 19.12.2017	CHOI, Hyouk Ryeol
DEMAREST, William	(54) A LINE ASCENDER	CHOI, Hyun Do
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A61K 8/02	(11) EP3325104	B65G 23/44
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A61Q 19/08	(47) 04.10.2023	(11) EP3878526
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(22) 23.01.2019	(72) O'LEARY, Paul	(72) BEYER, Jeffrey, A.
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HECKER, Anaïs	(33) United Kingdom	LEWIS, Andrew, James
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A61Q 19/00	(73) Tyco Fire Products LP	United States of America
C11D 1/94	(72) MAGNONE, Zachary, L.	
C11D 3/48	FARLEY, Daniel, G.	(51) A63B 22/02
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RIENZO, Matthew, Joseph	United States of America	(73) True Fitness Technology, Inc.
VASUDEVAN, Tirucherai, Varahan	United States of America	(72) KUEKER, Jared
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(73) Mcghee, Prentice Capri (72) Mcghee, Prentice Capri (31) 201862682556 P (32) 08.06.2018 (33) United States of America	(73) Google LLC (72) ROY, Jean-François HUOPONEN, Jani ZIMRING, Dov KUUSELA, Aki SMULLEN, Clinton LALONDE, Paul LEVENTIS, Paul	(73) Tencent Technology (Shenzhen) Company Limited (72) WU, Xiayu WU, Dan (31) 201811013622 (32) 31.08.2018 (33) China
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(54) ADJUSTABLE WEIGHT CLUB HEAD (73) Karsten Manufacturing Corporation (72) JERTSON, Martin R. STOKKE, Ryan M. CHEN, Xiaojian BACON, Cory S. POPE, Jeremy LEE, Daniel K. HIGDON, David A. MORALES, Eric J.	(73) Supercell Oy (72) LEPPINEN, Lassi HAKALA, Tommi	(73) Universal City Studios LLC (72) WHITE, Nathanael G. VAN WINKLE, Ted W. FREEDMAN, Daniel SCHWARTZ, Justin Michael SOUTH, Dwain TRESAUGUE, Michael HALL, Gregory
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(51) A63F 13/355 A63F 13/358 A63F 13/52 A63F 13/77 G06T 15/00 G09G 5/36 (11) EP3871744 (21) EP21169156.3		(73) Universal City Studios LLC (72) MELO, Anthony KRAUTHAMER, Akiva Meir (31) 201816212412

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(33) United States of America	(31) 201916704104	COMPOUNDS FROM OLEFIN
United States of America	(32) 05.12.2019	MIXTURES SUPPORTED BY
(51) A63G 33/00	(33) United States of America	HYDROGEN
G06V 10/24	(51) B01D 3/32	(73) Evonik Operations GmbH
G06V 20/52	B01D 3/00	(72) Peitz, Stephan
(11) EP3146473	B01D 3/14	Stochniol, Guido
(21) EP15745583.3	B01D 3/42	Maschmeyer, Dietrich
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(87) US2015032014	(21) EP18848488.5	Bukohl, Reiner
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(22) 21.05.2015	(87) KR2018009456	(32) 28.05.2015
(54) ENHANCED INTERACTIVITY IN AN	28.02.2019	(33) European Patent Office (EPO)
AMUSEMENT PARK ENVIRONMENT	(22) 17.08.2018	(51) B01D 21/00
USING PASSIVE TRACKING	(54) METHOD FOR SEPARATING AND	B01D 37/03
ELEMENTS	PURIFYING MIXTURE HAVING SMALL	B03B 5/48
(73) Universal City Studios LLC	DIFFERENCE IN BOILING POINTS	C02F 1/40
(72) STENZLER, Paula	(73) LG Chem, Ltd.	C02F 9/00
CORTELYOU, Robert J.	(72) KIM, Sung Kyun	C02F 11/02
MCQUILLIAN, Brian B.	LEE, Sung Kyu	E03F 5/14
OLIVER, Christopher	KIM, Ji Hye	(11) EP3837034
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(33) United States of America	C07C 37/50	FOR CONTINUOUS FLOW GRANULAR/
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(51) A63H 17/00	C07D 311/78	PROCESSES
A63H 17/02	C07D 311/04	(73) Ovivo Inc.
A63H 30/04	C07C 37/70	(72) STENSEL, H., David
A63H 33/04	C07C 37/00	TRIVEDI, Hiren
A63H 33/08	A61K 31/05	VORWALLER, John
(11) EP4021601	A61K 31/352	BEAMAN, Tyson
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(54) TOY CONSTRUCTION SYSTEM FOR	(22) 20.08.2019	(21) EP14738934.0
CONSTRUCTING AND OPERATING A	(54) PROCESS FOR THE PRODUCTION OF	(47) 04.10.2023
REMOTE CONTROLLED TOY VEHICLE	CANNABINOID	(87) US2014041305
MODEL	(73) Bessor Pharma, LLC	11.12.2014
(73) LEGO A/S	(72) BERKOWITZ, Barry A.	(22) 06.06.2014
(72) ØRNSTRUP, Jonathan Nikolas	ELLIOTT, Daniel	(54) FILTER RECEPTACLE ASSEMBLY
COGHILL, Andrew Butler	BARRETT, Anthony G.	WITH INTERLOCK DEVICE
BRUUN, Jesper	(31) 201862719813 P	(73) Donaldson Company, Inc.
GUZINSKI, Grischa Simon	(32) 20.08.2018	(72) SHARMA, Piyush
LEPALUDIER, Elodie Marie Sarah Flora	(33) United States of America	VARGAS DE AVILA, Sergio L.
TORNDAHL, Anders	(51) B01D 15/00	COHEN, Bernard S.
MIKKELSEN, Henning	C10G 25/00	(31) 201414296546
LARSEN, Henrik Havelund	B01J 20/06	201361831933 P
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CHRISTENSEN, Jacob Bech	C07C 2/58	(33) United States of America
ELWOOD-LEACH, Louis	C07C 5/48	United States of America
(31) PA201970538	C07C 7/10	(51) B01D 29/01
(32) 28.08.2019	C07C 7/12	B01D 46/52
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E04C 3/08	C10G 45/22	(21) EP19201957.8
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(22) 04.12.2020	(21) EP16170613.0	FILTER, AND METHOD OF USE

(73) Pall Corporation	(72) Sieh, Maik	(33) Germany
(72) MILLER, John P.	Schumacher, Sascha	Germany
ZEILER, Martin	(51) B01D 46/00	Germany
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(51) B01D 29/15	F02M 35/024	(11) EP4013534
B01D 29/19	(11) EP3999210	(21) EP20786317.6
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(47) 04.10.2023	(22) 14.04.2021	(54) DRYER FOR COMPRESSED GAS,
(22) 20.02.2017	(54) AIR FILTER DEVICE AND FILTER	COMPRESSOR INSTALLATION
(54) FILTER ELEMENT HAVING INNER	ELEMENT FOR AN AIR FILTER DEVICE	PROVIDED WITH A DRYER AND A
SUPPORT AND METHOD OF	OF A MOTOR VEHICLE	METHOD FOR DRYING COMPRESSED
FILTERING A FLUID	(73) Mercedes-Benz Group AG	GAS
(73) Donaldson Company, Inc.	(72) ENDERLE, Wolfgang	(73) ATLAS COPCO AIRPOWER N.V.
(72) JOHNSON, Philip, Edward	SCHUMACHER, Eric	(72) CREPAIN, Thibault
PARSON, Jonathan, G.	(31) 102020110996	HELLEMANS, Geert
FALK, John K., III	(32) 22.04.2020	(31) 201905538
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B24B 55/12	(47) 04.10.2023	16.08.2019
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(11) EP3900804	19.01.2017	(33) Belgium
(21) EP21167782.8	(22) 10.07.2015	Belgium
(47) 04.10.2023	(54) HIGH TEMPERATURE FILTER	Belgium
(22) 12.04.2021	ASSEMBLY	Belgium
(54) FILTER AND FILTER DEVICE FOR	(73) Camfil AB	(51) B01D 53/22
FILTERING AN AQUEOUS LIQUID	(72) ENGLUND, Fredrik	A62C 3/06
CONTAINING SOLID PARTICLES	HUGERT, Sverker	A62C 3/08
(73) Wardakant GmbH	(51) B01D 46/10	A62C 99/00
(72) Warda, Niklas	B01D 46/52	C01B 21/04
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(33) Germany	(47) 04.10.2023	(47) 04.10.2023
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C02F 1/44	10.12.2020	(54) VACUUM ASSISTED AIR SEPARATION
C02F 1/42	(22) 11.05.2020	MODULE OPERATION
(11) EP3344361	(54) FILTER ELEMENT AND FILTER	(73) Hamilton Sundstrand Corporation
(21) EP16759769.9	SYSTEM	(72) RHEAUME, Jonathan
(47) 04.10.2023	(73) MANN+HUMMEL GmbH	CORDATOS, Haralambos
(87) EP2016070566	(72) KAUFMANN, Michael	(31) 201815925405
09.03.2017	RUHLAND, Klaus-Dieter	(32) 19.03.2018
(22) 01.09.2016	WAGNER, Markus	(33) United States of America
(54) SET OF PARTS FOR ASSEMBLING	HETTKAMP, Philipp	(51) B01D 53/26
HEAD PART FOR FORMING A LIQUID	(31) 102019115568	B01D 53/28
TREATMENT APPARATUS AND	(32) 07.06.2019	(11) EP3307420
METHOD OF ASSEMBLING	(33) Germany	(21) EP16736524.6
(73) BRITA SE	(51) B01D 46/42	(47) 04.10.2023
(72) ZOELLER, Jochen	(11) EP3741443	(87) FR2016051451
(31) 15183505	(21) EP20169881.8	22.12.2016
(32) 02.09.2015	(47) 04.10.2023	(22) 15.06.2016
(33) European Patent Office (EPO)	(22) 17.06.2015	(54) MOISTURE-ABSORBING
(51) B01D 46/00	(54) FILTER INSERT	COMPOSITION COMPRISING A
B01D 46/02	(73) MANN+HUMMEL GmbH	SEQUESTERING AGENT
B01D 46/10	(72) Kaufmann, Michael	(73) EUROTAB OPERATIONS
(11) EP4124374	Ruhland, Klaus-Dieter	(72) VENET, Valérie
(21) EP21188244.4	(31) 202014008899 U	ESPEIT, Jean-Louis
(47) 04.10.2023	202014004897 U	MARECHET, Martine
(22) 28.07.2021	202014004894 U	(31) 1555446
(54) FILTER ASSEMBLY WITH FILTER IN A	(32) 11.11.2014	(32) 15.06.2015
HOUSING	18.06.2014	(33) France
(73) Carl Freudenberg KG	18.06.2014	(51) B01D 53/50

B01D 53/14	DURIF, Pierre	(31) 201662280548 P
(11) EP3045219	CHELLE, Jacky	(32) 19.01.2016
(21) EP14843772.6	(31) 1873826	(33) United States of America
(47) 04.10.2023	(32) 21.12.2018	(51) B01J 8/04
(87) CN2014085924	(33) France	B01J 8/02
19.03.2015	(51) B01F 25/313	B01J 8/00
(22) 04.09.2014	B01F 25/433	C10G 49/00
(54) METHOD FOR REMOVING SOX	B01J 19/26	(11) EP3116638
FROM GAS USING MODIFIED	B01J 4/00	(21) EP15709685.0
POLYETHYLENE GLYCOL	(11) EP3808439	(47) 04.10.2023
(73) Beijing Boyuan-Hengsheng High-	(21) EP19203597.0	(87) EP2015055261
Technology Co., Ltd.	(47) 04.10.2023	17.09.2015
Yongfeng Boyuan Industry Co. Ltd.	(22) 16.10.2019	(22) 13.03.2015
Jiangxi Province	(54) INITIATOR INJECTION NOZZLE	(54) SCALE COLLECTION AND
Peking University	(73) Borealis AG	PREDISTRIBUTION TRAY FOR
(72) WEI, Xionghui	(72) WURNITSCH, Christof	VESSEL WITH DOWNWARD TWO-
SUN, Shaoyang	BILINA, Werner	PHASE FLOW
ZOU, Meihua	(51) B01F 27/051	(73) Morten Müller Ltd., ApS
XIAO, Jianbai	B01F 27/113	(72) MÜLLER, Morten
LI, Lifang	B01F 27/191	(31) 201461953067 P
CHEN, Li	B01F 27/85	14159895
HU, Chun	(11) EP3171970	(32) 14.03.2014
LI, Xiangbin	(21) EP15739257.2	14.03.2014
WAN, Mingjin	(47) 04.10.2023	(33) United States of America
(31) 201310409296	(87) EP2015066315	European Patent Office (EPO)
(32) 10.09.2013	28.01.2016	(51) B01J 14/00
(33) China	(22) 16.07.2015	B01J 19/00
(51) B01D 63/02	(54) STIRRING MEMBER APPARATUS	B01J 4/00
B01D 63/04	(73) EKATO Rühr- und Mischtechnik GmbH	C01B 11/02
B01D 65/02	(72) KELLER, Wolfgang	C25B 1/26
B01D 65/08	ROHN, Nicole	(11) EP3838395
C02F 3/12	MULTNER, Benjamin	(21) EP19217535.4
C02F 3/20	(31) 102014110542	(47) 04.10.2023
(11) EP4051419	(32) 25.07.2014	(22) 18.12.2019
(21) EP20797467.6	(33) Germany	(54) METHOD AND APPARATUS FOR
(47) 04.10.2023	(51) B01F 27/053	CONTROLLED PRODUCTION OF A
(87) EP2020080069	B01F 27/054	FLUID REACTION PRODUCT
06.05.2021	B01F 27/091	(73) Grundfos Holding A/S
(22) 26.10.2020	(11) EP3225300	(72) HENSEL, Patrick
(54) METHOD FOR INTRODUCING A GAS,	(21) EP17158065.7	HENSGEN, Till
AND GASSING DEVICE	(47) 04.10.2023	THEILE, Frank
(73) membion GmbH	(22) 27.02.2017	(51) B01J 19/00
(72) VOSSENKAUL, Klaus	(54) MIXING TOOL, MIXING DEVICE AND	B01J 19/18
VOLMERING, Dirk	MIXING TOOL MANUFACTURING	B01J 4/00
(31) 102019129074	METHOD	(11) EP3868464
(32) 28.10.2019	(73) Bauer, Detlef	(21) EP21158223.4
(33) Germany	(72) Bauer, Detlef	(47) 04.10.2023
(51) B01F 23/70	(31) 102016104334	(22) 19.02.2021
B01F 31/00	(32) 09.03.2016	(54) REACTOR FOR PRODUCTION OF
B01F 31/55	(33) Germany	MICRONIZED SILICA GELS
B01F 33/501	(51) B01F 29/00	(73) Wingflow AG
B01F 35/21	B01F 29/322	(72) Herbst, Alexander
B01F 35/32	B01F 29/62	(31) 20158738
B01F 35/71	B01F 29/80	(32) 21.02.2020
B01F 35/75	C12M 1/00	(33) European Patent Office (EPO)
B01F 35/92	C12M 3/04	(51) B01J 20/18
A45D 40/24	(11) EP3389838	B01J 20/28
(11) EP3897940	(21) EP17741830.8	B01D 53/04
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25.06.2020	(22) 18.01.2017	(11) EP3388145
(22) 20.12.2019	(54) CELL BAG ROTATOR	(21) EP16873042.2
(54) PRODUCTION APPARATUS FOR	(73) Novartis AG	(47) 04.10.2023
PRODUCING A COMPOSITION FROM	The Trustees of the University of	(87) JP2016086441
A MIXTURE OF FORMULATIONS	Pennsylvania	15.06.2017
(73) SEB S.A.	(72) CALLAHAN, Thomas	(22) 07.12.2016
(72) MAISONNEUVE, Martial	DUFFY, Charles, JR.	

(54) AMMONIA REMOVAL METHOD AND METHOD FOR MANUFACTURING HYDROGEN GAS FOR FUEL CELL AUTOMOBILE	VAN ROSSUM, Guus BOS, Alouisius Nicolaas Renée ESPOSITO CASSIBBA, Ivana Daniela CHRISTIANSEN, Matthew Adam	(54) CATALYST SYSTEM CONTAINING A TRANSITION METAL COMPOUND ON A SURFACE-MODIFIED CALCIUM CARBONATE CARRIER, PREPARATION AND USE
(73) Hiroshima University Resonac Corporation Taiyo Nippon Sanso Corporation Toyota Industries Corporation	(31) 20183089 (32) 30.06.2020 (33) European Patent Office (EPO)	(73) Omya International AG (72) GANE, Patrick A.C. RENTSCH, Samuel WELKER, Matthias
(72) KOJIMA, Yoshitsugu AOKI, Takanori FUJITANI, Tadahiro ADACHI, Takayoshi KUBO, Hidehito	(51) B01J 23/83 B01J 37/02 C01B 7/04 B01J 27/188 B01J 29/14 B01J 29/46 B01J 29/16 B01J 29/48 B01J 23/00 B01J 23/10 B01J 35/02 B01J 37/00 B01J 37/03 B01J 37/08 B01J 37/28 B01J 27/185 B01J 35/00	(31) 201662369290 P 16181100 (32) 01.08.2016 25.07.2016 (33) United States of America European Patent Office (EPO)
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(11) EP3085439 (21) EP14872466.9 (47) 04.10.2023 (87) JP2014083697 25.06.2015 (22) 19.12.2014	(11) EP3450014 (21) EP16911312.3 (47) 04.10.2023 (87) CN2016093559 08.02.2018 (22) 05.08.2016	(54) METHOD FOR THE PRODUCTION OF DOUBLE METAL CYANIDE CATALYSTS
(54) WATER ABSORBING AGENT BASED ON POLYACRYLIC ACID AND/OR A SALT THEREOF	(54) CATALYST FOR PREPARING CHLORINE BY HYDROGEN CHLORIDE OXIDATION, AND PREPARATION METHOD AND APPLICATION THEREOF	(73) Covestro Deutschland AG (72) HOFMANN, Joerg LORENZ, Klaus VOGELSANG, Elisabeth GLEIXNER, Maria
(73) Nippon Shokubai Co., Ltd.	(73) Wanhua Chemical Group Co., Ltd.	(31) 20152862 (32) 21.01.2020 (33) European Patent Office (EPO)
(72) OMORI, Kohei TORII, Kazushi TANAKA, Nobuya WATANABE, Yusuke	(72) ZHANG, Hongke ZHOU, Bo ZAI, Zhangwei XU, Dan YAO, Yu XU, Yanlong ZHAO, Dongke YANG, Jingjing DING, Jiansheng HUA, Weiqi	(51) B01J 31/18 B01J 31/22 C08G 64/34 C07D 257/02 C07D 285/00 C07D 487/08 C08G 63/82 (11) EP3171975 (21) EP15745548.6 (47) 04.10.2023 (87) GB2015052114 28.01.2016 (22) 22.07.2015
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(51) B01J 21/06 H01M 8/10 B01J 35/00 C02F 101/22 C02F 1/70	(51) B01J 27/232 B01J 35/10 B01J 37/28 B01J 37/02 B01J 35/00 B01J 31/02 C07C 1/32 C07B 37/04 C07C 29/60 C07C 29/00 C09C 1/02 B01J 37/08 B01J 37/00	(31) 201412992 201412990 201412986 (32) 22.07.2014 22.07.2014 22.07.2014 (33) United Kingdom United Kingdom United Kingdom
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(54) CATALYST AND METHOD FOR REDUCING HEXAVALENT CHROMIUM CR(VI)		
(73) Bosal Emission Control Systems NV (72) De Vos, Yves		
(51) B01J 23/00 B01J 23/28 C07C 5/48 C07F 3/02		
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(54) ETHANE OXIDATIVE DEHYDROGENATION PROCESS		
(73) Shell Internationale Research Maatschappij B.V.		
(72) SCHOONEBEEK, Ronald Jan		



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C07C 231/10	C12M 1/12	(21) EP18248270.3
C07C 29/149	C12M 1/34	(47) 04.10.2023
C07C 67/00	C12M 1/42	(22) 28.12.2018
C07D 207/16	C12M 3/00	(54) MICROFLUIDIC CONNECTOR
C07D 241/08	C12M 3/06	GROUP, MICROFLUIDIC DEVICE
(11) EP3188832	C12N 5/071	AND MANUFACTURING PROCESS
(21) EP15781154.8	C12N 5/079	THEREOF, IN PARTICULAR FOR
(47) 04.10.2023	C12N 5/0793	A CARTRIDGE FOR SAMPLE
(87) IL2015050887	C12N 5/0797	PREPARATION AND MOLECULE
10.03.2016	C12Q 1/02	ANALYSIS
(22) 03.09.2015	(11) EP3504319	(73) STMicroelectronics S.r.l.
(54) RUTHENIUM COMPLEXES AND	(21) EP17847365.8	(72) BIANCHESSI, Marco Angelo
THEIR USES AS CATALYSTS IN	(47) 04.10.2023	RAIA, Lillo
PROCESSES FOR FORMATION AND/	(87) US2017049115	(31) 201700150534
OR HYDROGENATION OF ESTERS,	08.03.2018	(32) 28.12.2017
AMIDES AND RELATED REACTIONS	(22) 29.08.2017	(33) Italy
(73) Yeda Research and Development Co.,	(54) DEVELOPMENT OF SPINAL CORD ON	(51) B01L 3/00
Ltd.	A MICROFLUIDIC CHIP	G01N 1/28
(72) MILSTEIN, David	(73) Emulate, Inc.	F17D 1/08
HU, Peng	Cedars-Sinai Medical Center	(11) EP3442707
FOGLER, Eran	(72) KERNS, S., Jordan	(21) EP17783188.0
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03.08.2015	HAMILTON, Geraldine	(54) SYSTEMS FOR THE COLLECTION OF
(33) Israel	VATINE, Gad	DROPLETS AND/OR OTHER ENTITIES
United States of America	SANCES, Samuel	(73) President and Fellows of Harvard
(51) B01J 31/40	SVENDSEN, Clive	College
B01J 38/00	LEVNER, Daniel	(72) WEITZ, David, A.
B01J 31/22	SAREEN, Dhruv	MUTAFOPULOS, Kiryakos, S.
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C08G 64/32	201662380780 P	(31) 201662323544 P
C08G 64/34	PCT/US2016/057724	(32) 15.04.2016
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(22) 20.12.2019	World Intellectual Property Office (WIPO)	G01N 15/14
(54) METHOD FOR REGENERATING	(51) B01L 3/00	(11) EP3493907
WASTE ORGANOZINC CATALYST	C12M 3/06	(21) EP17742781.2
THROUGH SURFACE MODIFICATION	(11) EP4147780	(47) 04.10.2023
(73) LG Chem, Ltd.	(21) EP22194262.6	(87) EP2017069186
(72) KIM, Sung Kyoung	(47) 04.10.2023	08.02.2018
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(32) 21.12.2018	(54) MICROFLUIDIC COMPONENT	(54) METHOD AND ARRANGEMENT FOR
(33) Korea (Republic)	USED FOR A MEASUREMENT OF	FOCUSING OBJECTS IN A FLOW
(51) B01J 37/02	ELECTRICAL IMPEDANCE THROUGH	(73) IMEC vzw
B01J 35/00	A BIOLOGICAL OBJECT	Katholieke Universiteit Leuven
B01J 23/63	(73) Commissariat à l'énergie atomique et aux	(72) MAO, Shengping
B01D 53/94	énergies alternatives	SOHN, Erik
F01N 3/10	(72) COSNIER, Marie-Line	ROTTENBERG, Xavier
F01N 3/035	VERPLANCK, Nicolas	LIU, Chengxun
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(54) CATALYTICALLY ACTIVE PARTICLE	ROUX, Jean-Maxime	G01N 21/00
FILTER	(31) 2109560	B01L 9/00
(73) UMICORE AG & CO. KG	(32) 13.09.2021	G01N 21/05
(72) SCHOENHABER, Jan	(33) France	G01N 35/00
DEIBEL, Naina	(51) B01L 3/00	(11) EP3930903
ROESCH, Martin	C12Q 1/6837	(21) EP20900077.7
SPIESS, Stephanie	G01N 1/34	(47) 04.10.2023
RICHTER, Joerg-Michael	G01N 35/10	(87) IB2020061594
KUNERT, Susanne	G01N 35/00	17.06.2021

(22) 07.12.2020	(54) METHOD AND ARRANGEMENT FOR	(73) Delaware Capital Formation, Inc.
(54) ACTUATION SYSTEMS AND METHODS	PROCESS WATER TREATMENT	(72) DYER, Christopher
FOR USE WITH FLOW CELLS	(73) Metso Outotec Finland Oy	(31) 201962888568 P
(73) Illumina Singapore Pte Ltd	(72) JANSSON, Kaj	(32) 19.08.2019
(72) WANG, Shyun Long	(51) B04B 1/14	(33) United States of America
ANG, Beng Keong	B04B 15/08	(51) B05B 9/08
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G01N 35/00	(54) A METHOD OF OPERATING A	08.03.2018
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(47) 04.10.2023	(72) BACHVAROV, Doncho	DURATION SPRAYER
(87) CN2017084928	DJEDOU, Yacine	(73) Silgan Dispensing Systems Corporation
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AND METHODS OF USE	(21) EP20754704.3	(33) United States of America
(73) CapitalBio Corporation	(47) 04.10.2023	(51) B05C 3/10
(72) WANG, Lei	(87) EP2020072200	B04B 7/16
ZHOU, Yao	18.02.2021	B04B 7/18
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(33) China	(31) 102019121598	(72) MÜLLER, Jürgen
(51) B01L 9/00	(32) 09.08.2019	(31) 102021102757
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(54) CONFIGURABLE PLACEMENT	G01N 1/38	(21) EP20861945.2
INDICATION FOR SAMPLE TUBE RACK	C12Q 1/6844	(47) 04.10.2023
RECEPTACLES	C12Q 1/6806	(87) KR2020011606
(73) Beckman Coulter, Inc.	B01L 3/00	25.03.2021
(72) Müller, Martin	G01N 15/14	(22) 31.08.2020
Bader, Roland	G01N 15/10	(54) COATING DIE INCLUDING DOUBLE
(51) B03D 1/02	(11) EP3921085	SLIT, AND ELECTRODE ACTIVE
B03D 1/14	(21) EP20753127.8	MATERIAL COATING APPARATUS
B03B 7/00	(47) 04.10.2023	USING SAME
C02F 1/24	(87) US2020016521	(73) LG Energy Solution, Ltd.
C22B 3/20	13.08.2020	(72) KIM, Ki Tae
C22B 11/00	(22) 04.02.2020	LEE, Do Hyun
C22B 26/12	(54) DEVICES AND SYSTEMS FOR	LEE, Taek Soo
B03D 103/02	DROPLET GENERATION AND	KIM, Cheol Woo
C02F 103/16	METHODS FOR GENERATING	JO, Young Joon
B03D 1/08	DROPLETS	CHOY, Sang Hoon
B03D 1/001	(73) University of Washington	(31) 20190115337
C02F 1/00	(72) CHIU, Daniel	(32) 19.09.2019
C02F 9/00	WU, Li	(33) Korea (Republic)
C02F 1/52	QIN, Yuling	(51) B05C 17/01
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C02F 11/121	(32) 07.02.2019	B05C 17/005
C02F 101/10	(33) United States of America	(11) EP3466548
C02F 103/10	(51) B05B 7/00	(21) EP17806251.9
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(87) FI2018050943	(22) 19.08.2020	(22) 26.04.2017
25.06.2020	(54) CHEMICAL DISPENSER HAVING A	(54) DISPENSER, AND DISPENSER AND
(22) 18.12.2018	MOTORIZED ROTARY DIVERTER	CARTRIDGE
	VALVE AND METHOD OF USING SAME	(73) GC Corporation

(72) MIYANO, Tatsunosuke MATSUNAGA, Shigeaki	HEYBERGER, Régis	B07B 9/00
(31) 2016109927	(51) B06B 1/04	D21B 1/02
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(11) EP3200930	(54) VIBRATION ACTUATOR AND	04.03.2021
(21) EP15750794.8	VIBRATION PRESENTING APPARATUS	(22) 04.08.2020
(47) 04.10.2023	(73) MINEBEA MITSUMI Inc.	(54) SELECTOR MACHINE TO CLEAN
(87) EP2015069361	(72) TAKAHASHI, Yuki	INCOHERENT MATERIAL, AND
07.04.2016	ISHITANI, Tomoya	CORRESPONDING SELECTION
(22) 24.08.2015	HASHINO, Junichi	METHOD
(54) PLASMA DEPOSITION METHOD	SATO, Soichi	(73) Pal S.R.L.
FOR CATECHOL/QUINONE	(31) 2021013947	(72) DAL BEN, Antonio
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(73) Luxembourg Institute of Science and	(33) Japan	(31) 201900015126
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OPTICAL EFFECT LAYERS	(54) MOBILE MINERAL MATERIAL	SEPARATING DUSTY MATERIALS
COMPRISING ORIENTED	PROCESSING STATION AND METHOD	(73) HOSOKAWA ALPINE Aktiengesellschaft
NON-SPHERICAL MAGNETIC	(73) Metso Outotec Finland Oy	(72) Zampini, Stefano L.
ORMAGNETIZABLE PIGMENT	(72) SALMINEN, Vesa-Matti	Biber, Benjamin
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(72) Rabe, Frank	(72) LEIBER, Rolf	H01M 10/04
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Noh, Sung Keun	B22C 11/00	(11) EP4072750
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(51) B21D 51/26	(54) METHOD AND MACHINE FOR PRODUCING A MOULD PORTION	(73) Fill Gesellschaft m.b.H.
B41J 2/01	(73) Künkel Wagner Germany GmbH	(72) SIEGLHUBER, Gerhard
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B41M 5/00	Küchler, Uwe	VOITHOFER, Johannes
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(73) Hamilton Sundstrand Corporation	MANUFACTURING, AND METHODS OF	(72) GARAY, Gregory Terrence
(72) MCGEE, Randolph Carlton	USING THE SAME	MEYER, Mark Kevin
SHE, Ying	(73) HRL Laboratories, LLC	KONITZER, Douglas Gerard
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B33Y 30/00	(73) SLM Solutions Group AG	(72) BARGELLINI, Nicola
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(73) SLM Solutions Group AG	B22F 7/06	(72) BRAUN, Harald
(72) KROL, Toni Adam	B23P 6/00	MEDITZ, Werner
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Xerox Corporation	FENG, Shuwei	(51) B60C 7/18
(72) ZHU, Yujie	WANG, Dadong	B60C 11/04
JACKSON, Warren	LIU, Weidong	B60C 11/03
SHEN, Ethan	(31) 201911085352	B60C 11/13
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(33) Japan	(54) CASTOR WHEEL COVER	DAGHINI, Guido Luigi
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(51) B44F 1/04	(22) 05.08.2021	VEHICLE
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B44F 11/00	(73) Sumitomo Rubber Industries, Ltd.	(72) ICHIRYU, Yutaka
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(73) The Goodyear Tire & Rubber Company	(87) JP2020025174	MONTESELLO, Stefano
(72) PHILLIPSON, Joshua Aaron	30.12.2020	SPEZIARI, Diego
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(72) ARIMA, Masayuki	(73) The Yokohama Rubber Co., Ltd.	(51) B60C 11/03
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(73) ZF Friedrichshafen AG	(11) EP4137338	(72) TANI, Masakazu
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(73) NISSAN MOTOR CO., LTD.	G01S 19/39	(51) B61D 7/18
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AND SPEED SHIFT OF A MOTOR	(31) 102018221864	B61L 27/00
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Horn, Christian	(47) 04.10.2023	MODULE AND SUBSYSTEM FOR A
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(32) 06.04.2021	08.10.2020	(73) Siemens Mobility GmbH
(33) Germany	(22) 02.03.2020	(72) BOTHE, Detlef
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MOUNTED ON VEHICLE AND METHOD	B60Q 3/54	B61L 19/06
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(31) 20180006735	(54) LIGHTING DEVICE WITH	MOVEMENT CHAIN
(32) 18.01.2018	DYNAMIC LIGHT EFFECTS FOR	(73) Siemens Mobility AG
(33) Korea (Republic)	A MOTOR VEHICLE PASSENGER	(72) KNAUS LANDOLT, Sandro
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GRIMPE, Michael	(22) 21.05.2019	(73) Schaeffler Technologies GmbH & Co. KG
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(73) Siemens Mobility GmbH	(54) APPARATUS FOR DISPLAYING STEERING INFORMATION OF PRECEDING VEHICLE AND METHOD THEREOF	(73) Yamaha Hatsudoki Kabushiki Kaisha
(72) Bulut, Mete	(73) HYUNDAI MOTOR COMPANY	(72) INOUE, Yuichi
Dettmer, Daniel	Kia Corporation	(31) 2021015114
Henkel, Bernd	(72) BANG, Kyung Joo	(32) 02.02.2021
Möller, Jens	PARK, Hong Gi	(33) Japan
Opp, Wolfgang	LEE, Sang Yeob	(51) B62H 5/14
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(33) Germany	KIM, Dong Hyuk	B62J 43/30
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(22) 21.10.2019	B62D 53/08	(73) LINKA Group Ltd.
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(73) Siemens Mobility GmbH	(21) EP18758538.5	(31) 201715804373
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(32) 04.09.2020	(73) Toyoda Iron Works Co., Ltd.	DE BREMOND D'ARS, Hubert
(33) Japan	National Institute for Environmental Studies	BIAN, Yannick
(51) B62J 15/00	Accurate Systems Inc.	
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(73) Yamaha Hatsudoki Kabushiki Kaisha	(73) Canyon Bicycles GmbH	MARTIN, Cédric
(72) KURAKAKE Haruhito	(72) Wagner, Lars	(31) 1759777
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(72) Nohara, Takahiro	(22) 11.05.2020	(73) YAMAHA HATSUDOKI KABUSHIKI KAISHA
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(32) 08.06.2021	(73) Yamaha Hatsudoki Kabushiki Kaisha	ONOUE, Akihiro
(33) Japan	(72) YASUKAWA, Risa	HAMADA, Satoru
(51) B62J 43/13	KOBAYASHI, Hiroshi	SARUWATARI, Kimitaka
B62J 43/28	KISHI, Tomoaki	IKEGAYA, Yuki
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SKILTON, Richard A	Ungar, Emery	ROTATING POLE
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(72) WALKER, Steven Paul	ABSORBER ASSEMBLY	AIRCRAFT
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(73) Airbus Operations Limited	(54) IMPROVED MANEUVERABILITY	(72) SERR, Christophe
(72) TULLOCH, William	AERIAL VEHICLE AND A METHOD	JALAGUIER, Jean-Pierre
BROOMFIELD, Pat	IMPLEMENTED FOR THIS PURPOSE	(31) 1801135
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(72) Weekes, Terik	(73) Yaborã Indústria Aeronáutica S.A.	DETERMINING THE REAL-TIME
Belardo, Sean	(72) ABELHEIRA, Ricardo Athayde	EFFECT OF ICE ACCUMULATION ON
Cope, Clint	CIACCIA, Flavia Renata Dantas Alves	AIRCRAFT SURFACES ON ANGLE OF
Owen, Colin	Silva	ATTACK DURING FLIGHT
Merrill, David	DA SILVA, Fabio Santos	(73) Lockheed Martin Corporation
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(54) MOVABLE OXYGEN CONTAINER, AND	AIRCRAFT CABIN SEAT	(72) HAYNES, Timothy C.
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(72) SCHROEDER, Michael A.	KG	SYSTEM FOR HANDLING FLAT AND/
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NAKANISHI, Takehiro	(73) Samsung Electronics Co., Ltd.	Traylor, Wesley P.
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(72) NAM, Woo Hyun	(72) HE, Jinfeng YANG, Zhenli	(72) Sieuw, Nathalie
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(33) Italy	(54) WINDOW FRAME WITH JOINING MEANS HAVING A HIGH POSITIONING ACCURACY AND MANUFACTURING METHOD THEREOF	(72) BIRKKJÆR, Martin
(51) E06B 3/02	(73) TWT S.r.l.	HINDHEDE, Per Solsø
E06B 9/24	(72) PELLITTERI, Filippo	(31) PA201970815
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(72) YOU, Hyun-Woo	(73) Bandalux Industrial, S.A.	(73) SOILMEC S.P.A.
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KWON, Dae-Hoon	(31) 202032779 U	(31) 201800006771
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E04H 1/12	(22) 17.12.2020	(11) EP4058652
E05B 63/24	(54) METHOD FOR MOUNTING A ROLLER SCREEN, PARTICULARLY AN INSECT NET, AND SUCH ROLLER SCREEN	(21) EP20807374.2
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E06B 3/70	(22) 17.12.2020	(11) EP3910161
E05D 7/081	(54) ROLLER SCREEN WITH A SET OF CONNECTION ELEMENTS	(21) EP20174448.9
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(33) Japan	(72) HUSBAND, Jason	PRODUCING UNIT AND A UREA-
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F01D 9/04	PEPIN, Aaron John	(73) Yara International ASA
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BALAMUCKI, Stanley J.	TUNING AND CORRESPONDING GAS	F01L 1/18
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(72) MARIOTTI, Walter	(11) EP3981960	UMEMOTO, Yoshiyuki
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B63H 21/14	Böhm, Daniel	F02C 7/36
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(72) LEE, Seung Jae	(72) SURACE, Alfonso	F02C 7/236
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(72) PARMENTIER, Michael	F02B 25/02	F02D 41/28
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(54) FIXATION ARRANGEMENT ADAPTED	(73) NIDEC GLOBAL APPLIANCE BRASIL	AND ASSOCIATED PRESSURE
TO RELEASABLY FIX A WIND	LTDA.	DISTRIBUTION MANIFOLD AND
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(73) Siemens Gamesa Renewable Energy A/	LOHN, Sergio K.	(72) GRANT, Kevin, L.
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(72) LI, Tao	(11) EP3862710	METHOD FOR MANUFACTURING
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(22) 21.01.2021	G01S 7/487	(72) KIM, Kwangoh
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AND ORIGIN DETERMINATION FOR	G01S 17/42	(31) 202017011813
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(31) 202062964095 P	DISTANCE MEASURING METHOD,	(51) G01S 13/50
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(33) United States of America	(73) Kabushiki Kaisha Toshiba	G01S 13/72
(51) G01S 7/02	Toshiba Electronic Devices & Storage	G01S 13/87
G01S 7/292	Corporation	G01S 13/88
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(54) RADAR DEVICE AND SIGNAL	G01S 7/487	TRACKING MOTION OF TARGET IN
PROCESSING METHOD	G01J 1/44	INDOOR ENVIRONMENT
(73) Mitsubishi Electric Corporation	G01J 1/42	(73) Tata Consultancy Services Limited
(72) ISODA, Kentaro	G01S 7/481	(72) DAS, Rajat Kumar
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G01S 7/28	H01L 27/146	PAL, Arpan
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(21) EP19194514.6	RESET	H01Q 25/00
(47) 04.10.2023	(73) Infineon Technologies AG	A61B 5/0205
(22) 30.08.2019	(72) DIELACHER, Markus	A61B 5/11
(54) METHOD, APPARATUS, DEVICE	FLATSCHER, Martin	G01S 7/03
AND MEDIUM FOR CALIBRATING	(31) 201916362314	G01S 13/34
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(72) Shi, Yifeng	G01S 17/34	G01S 13/02
Xia, Tian	G01S 17/58	H01Q 1/22
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(54) MULTIFUNCTIONAL RADAR SYSTEMS AND METHODS OF OPERATION THEREOF	(21) EP19170710.8	MORTEAU, Eric
(73) Infineon Technologies AG	(47) 04.10.2023	PILLET, Nicolas
(72) Trotta, Saverio	(22) 23.04.2019	THERS, Dominique
BAHETI, Ashutosh	(54) PROVIDING ATMOSPHERIC	VANDAELE, Richard
Jungmaier, Reinhard-Wolfgang	CORRECTION DATA FOR A GNSS	(31) 1751641
SANTRA, Avik	NETWORK-RTK SYSTEM BY	(32) 28.02.2017
(31) 201815866194	ENCODING THE DATA ACCORDING	(33) France
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(54) SYSTEM AND METHOD FOR	(54) METHOD, APPARATUS AND	31.05.2019
SPEED AND ATTENUATION	COMPUTER-READABLE MEDIUM	(22) 20.11.2018
RECONSTRUCTION IN ULTRASOUND	FOR REDUCING TROPOSPHERIC	(54) SUBSTRATE INCLUDING
IMAGING	EFFECTS IN GNSS POSITIONING	SCINTILLATOR MATERIALS, SYSTEM
(73) ETH Zurich	(73) RX Networks Inc.	INCLUDING SUBSTRATE, AND
(72) GÖKSEL, Orcun	(72) AFZAL, Muhammad Haris	METHOD OF USE
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method and apparatus and depth image	(54) POSITIONING SYSTEM FOR A	(22) 17.12.2018
processing method and apparatus	LAND VEHICLE AND METHOD FOR	(54) RADIATION DETECTION DEVICE
(73) Samsung Electronics Co., Ltd	COMPUTING HIGH-PRECISION GNSS	(73) FUJIFILM Corporation
(72) Choi, Ouk	POSITIONS OF A LAND VEHICLE	(72) NOGUCHI, Shinsuke
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(47) 04.10.2023	(54) ANALOG CIRCUIT FOR ACQUIRING	(87) CN2017116982
(87) JP2018031285	SIGNALS ARISING FROM RADIATION	13.12.2018
14.03.2019	AND DEVICE FOR PRODUCING AN	(22) 18.12.2017
(22) 24.08.2018	IMAGE REPRESENTATIVE OF THIS	(54) PHOTOELECTRIC DETECTION
(54) PIXEL-LEVEL BACKGROUND LIGHT	RADIATION	CIRCUIT AND PHOTOELECTRIC
SUBTRACTION	(73) Institut Mines Telecom	DETECTOR
(73) Sony Semiconductor Solutions	Centre National de la Recherche	(73) BOE Technology Group Co., Ltd.
Corporation	Scientifique (CNRS)	(72) SHI, Yongming
(72) HANZAWA Katsuhiko	Université Clermont Auvergne	MA, Zhanjie
KANG Jinsuk	Université Claude Bernard Lyon 1	TIAN, Hui
SEN Selcuk	(72) ABALINE, Mounir	WANG, Chun
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(73) Senko Advanced Components Inc.	DAMA, Bipin	LEWIS, Kevin Alton
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	(73) Corning Optical Communications LLC	

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G02B 7/34	G02B 19/00	G01N 21/15
G02B 7/36	G01N 21/01	G02B 5/28
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G02B 21/24	G02B 21/34	(11) EP3715931
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IMAGE PICKUP SYSTEM	(22) 09.08.2018	AN OPTICAL DETECTION DEVICE
(73) Sony Group Corporation	(54) DARK-FIELD MICROSCOPE	(73) Hamamatsu Photonics K.K.
Sony Olympus Medical Solutions Inc.	APPARATUS UTILIZING PORTABLE	(72) HIROSE Masaki
(72) OKAZAKI, Sakae	ELECTRONIC COMMUNICATION	SHIBAYAMA Katsumi
HIRANO, Hirota	DEVICE	KASAHARA Takashi
YAMAMOTO, Takahiro	(73) Arizona Board of Regents on behalf of	KAWAI Toshimitsu
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(51) G21B 1/21 H01B 12/00 H01F 6/06	(73) RWE Nuclear GmbH (72) RECKNAGEL, Jörg STEINBACHER, Klaus BAUER, Benjamin	(73) LG Energy Solution, Ltd. (72) OH, Kyu-Hwan KIM, Bo-Sung LEE, Chang-Bok CHOI, Yang-Lim
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(22) 30.08.2019 (54) ALIGNMENT OF HTS TAPES (73) Tokamak Energy Ltd (72) SLADE, Robert BRITTLES, Greg VAN NUGTEREN, Bas	(51) G21G 1/06 (11) EP3821448 (21) EP19736694.1 (47) 04.10.2023 (87) EP2019068058 16.01.2020 (22) 05.07.2019 (54) NEUTRON ACTIVATOR, NEUTRON ACTIVATION SYSTEM COMPRISING SUCH NEUTRON ACTIVATOR AND METHOD FOR NEUTRON ACTIVATION IMPLEMENTING SUCH NEUTRON ACTIVATOR	(31) 20180009494 (32) 25.01.2018 (33) Korea (Republic) (51) H01B 7/32 H01B 9/02 G01R 19/00 H01B 7/18 G01R 31/58 (11) EP4075454 (21) EP22168072.1 (47) 04.10.2023 (22) 13.04.2022 (54) POWER CABLE (73) Prysmian S.p.A. (72) VAN ROSSUM, Jos (31) 202100009344 (32) 14.04.2021 (33) Italy
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LU, Zengyi	(51) H01H 11/00	KAWAGOE, Shohei
ZHANG, Jinfa	G06F 17/10	KAWASAKI, Kojiro
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(73) ENRX IPT GmbH	(51) H01H 13/16	(87) AT2020060268
(72) LINDT, Rudolf	A47C 7/62	21.01.2021
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(33) United Kingdom	H01H 3/14	(73) Astotec Automotive GmbH
(51) H01F 27/42	B60N 2/00	(72) HABA, Dietmar
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(73) Siemens Energy Global GmbH & Co. KG	(54) SITTING SENSOR	H01H 50/46
(72) Hamberger, Peter	(73) Fujikura Ltd.	H01H 50/16
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(54) CIRCUIT ASSEMBLY FOR THE REDUCTION OF A UNIDIRECTIONAL FLUX COMPONENT IN THE SOFT MAGNETIC CORE OF A TRANSFORMER	H01H 19/63	(73) ABB Schweiz AG
(73) Siemens Energy Global GmbH & Co. KG	(11) EP3396691	(72) Bellut, Markus
(72) Hamberger, Peter	(21) EP18169201.3	Gentsch, Dietmar
(51) H01H 1/64	(47) 04.10.2023	Masmeier, Philipp
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	G06F 3/044	(73) Calabazas Creek Research, Inc.
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(22) 30.08.2021	DISCHARGE SPACE OF THE SAME	(73) SK Siltron Co., Ltd.
(54) APPARATUS FOR OBTAINING	(73) Heraeus Noblelight GmbH	(72) LEE, Kye-Jin
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MEASUREMENTS	Arnold, Erich	CHOI, Young-Jae
(73) Impedans Ltd	Jung, Burkard	EUM, Jung-Hyun
(72) SCULLIN, Paul	(51) H01L 21/00	LEE, Chung-Hyun
DOYLE, James	H01L 29/84	(31) 20130003983
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C23C 14/56	SUSPENDED MEMBRANE AND	(54) VACUUM GRIPPER AND METHOD
C23C 14/34	HAVING ROUNDED CORNERS AT AN	FOR MANUFACTURING A VACUUM
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LIN, Shih-Yao	C23F 1/04	(22) 02.08.2019
PAYTON, Michael D.	C23F 1/28	(54) USING IDENTIFIERS TO MAP EDGE
SAYLES, Scott R.	C23C 14/04	RING PART NUMBERS ONTO SLOT
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(54) METHOD OF ASSOCIATING	CHO, Su Hyeon	H01L 29/20
PRECURSOR AND PRODUCT IONS	KIM, Hae Sik	(11) EP4071808
(73) Micromass UK Limited	HAN, Tae Hoon	(21) EP22165545.9
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(32) 07.04.2021	(21) EP17712219.9	MANUFACTURING METHOD
(33) France	(47) 04.10.2023	THEREOF, AND DISPLAY APPARATUS
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H01L 33/14	(54) PHOTOVOLTAIC ASSEMBLY	KIM, Dae Hyun
H01L 33/38	(73) Flisom AG	BASRUR, Veidhes
H01L 33/46	(72) OLDRIDGE, John	LEE, Hee Keun
H01L 33/58	NETTER, Thomas	TAE, Chang Il
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(32) 09.11.2017	ASSEMBLIES	(73) NICHIA CORPORATION
(33) Korea (Republic)	(73) The Boeing Company	(72) YAMADA, Motokazu
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(72) GREGORY, John James	H01L 31/02	(21) EP17817270.6
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H01L 31/054	METHOD	VERECKEN, Philippe
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(32) 19.12.2019	(87) KR2018016360	MANUFACTURING ELECTRODE FOR
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(11) EP3651238	BATTERY, COMPOSITION FOR	(11) EP3503272
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ION SECONDARY BATTERY	(73) Zeon Corporation	ELECTRODE, NEGATIVE ELECTRODE
(73) Sumitomo Rubber Industries, Ltd.	(72) OHKUBO, Yuuki	PIECE, AND SECONDARY BATTERY
(72) KUBO, Tatsuya	TAKAMATSU, Hiromi	(73) Contemporary Ampere Technology Co.,
FUMIYA, Chujo	TOYODA, Yujiro	Limited
MINAGAWA, Yasuhisa	(31) 2015162934	(72) SU, Yisong
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(47) 04.10.2023	C08F 220/48	18.10.2018
(22) 31.01.2020	H01M 4/02	(22) 23.03.2018
(54) COMPOSITIONS FOR FORMING	(11) EP3518327	(54) SOLID-STATE MELANIN BATTERY
A POROUS INSULATING LAYER,	(21) EP17852860.0	(73) Solis Herrera, Arturo
ELECTRODE FOR NON-AQUEOUS	(47) 04.10.2023	(72) Solis Herrera, Arturo
ELECTROLYTE RECHARGEABLE	(87) JP2017032541	(31) 201762483630 P
BATTERY, RECHARGEABLE BATTERY	29.03.2018	(32) 10.04.2017
INCLUDING THE ELECTRODE AND	(22) 08.09.2017	(33) United States of America
METHOD OF MANUFACTURING THE	(54) SLURRY COMPOSITION FOR NON-	(51) H01M 4/62
ELECTRODE	AQUEOUS SECONDARY BATTERY	C08F 265/06
(73) Samsung SDI Co., Ltd.	POSITIVE ELECTRODE, POSITIVE	H01G 11/38
(72) Fukatani, Tomoyuki	ELECTRODE FOR NON-AQUEOUS	C08L 51/00
Hoshiba, Koji	SECONDARY BATTERY, AND NON-	H01M 4/13
(31) 2019017059	AQUEOUS SECONDARY BATTERY	H01M 4/139
20190085265	(73) Zeon Corporation	C08F 220/44
(32) 01.02.2019	(72) ANNAKA Koji	H01M 10/0525
15.07.2019	ISHII Takuya	(11) EP3817109
(33) Japan	(31) 2016183083	(21) EP19827360.9
Korea (Republic)	(32) 20.09.2016	(47) 04.10.2023
(51) H01M 4/131	(33) Japan	(87) JP2019024968
H01M 4/13	(51) H01M 4/58	02.01.2020
H01M 4/139	H01M 4/62	(22) 24.06.2019
H01M 4/1391	H01M 4/88	(54) BINDER COMPOSITION FOR
H01M 4/62	H01M 10/0525	ELECTROCHEMICAL DEVICE
H01M 10/052	(11) EP3716373	ELECTRODE, SLURRY COMPOSITION
C08F 220/14	(21) EP20163309.6	FOR ELECTROCHEMICAL DEVICE
C08F 220/46	(47) 04.10.2023	ELECTRODE, ELECTRODE FOR
C08F 228/02	(22) 16.03.2020	ELECTROCHEMICAL DEVICE, AND
C08L 33/20	(54) SULFUR-BASED ACTIVE MATERIAL	ELECTROCHEMICAL DEVICE
C08L 41/00	(73) Sumitomo Rubber Industries, Ltd.	(73) Zeon Corporation
H01M 10/0525	(72) KUBO, Tatsuya	(72) MESUDA, Maki
H01M 4/36	FUMIYA, Chujo	ITO, Yukie
C08L 33/10	(31) 2019229491	(31) 2018124643

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(33) Japan
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C08G 73/10  
C08L 79/08  
H01G 11/38  
H01G 11/86  
H01M 4/13  
H01M 4/139  
H01M 4/04  
H01M 4/134  
H01M 4/1395  
(11) EP3514869  
(21) EP18849275.5  
(47) 04.10.2023  
(87) JP2018029406  
28.02.2019  
(22) 06.08.2018  
(54) BINDER RESIN FOR ELECTRODES,  
ELECTRODE MIXTURE PASTE,  
ELECTRODE AND METHOD FOR  
PRODUCING ELECTRODE  
(73) UBE Corporation  
(72) NAKAYAMA Takeshige  
NARITA Kazutaka  
INOUE Shohei  
(31) 2017160428  
(32) 23.08.2017  
(33) Japan
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H01M 10/0562  
H01M 4/04  
H01M 4/13  
H01M 4/139  
H01M 10/0565  
(11) EP3512013  
(21) EP17848761.7  
(47) 04.10.2023  
(87) JP2017031964  
15.03.2018  
(22) 05.09.2017  
(54) BINDER COMPOSITION FOR ALL-  
SOLID-STATE BATTERY, SLURRY  
COMPOSITION FOR ALL-SOLID-STATE  
BATTERY, ELECTRODE FOR ALL-  
SOLID-STATE BATTERY, AND ALL-  
SOLID-STATE BATTERY  
(73) Zeon Corporation  
(72) MAEDA Kouichirou  
OGURO Hiroki  
(31) 2016173418  
(32) 06.09.2016  
(33) Japan
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H01M 8/026  
H01M 8/0263  
H01M 8/0267  
C25B 9/01  
C25B 1/042  
C25B 9/67  
C25B 9/75  
C25B 9/77  
(11) EP4007019  
(21) EP21208300.0  
(47) 04.10.2023  
(22) 15.11.2021  
(54) BIPOLAR PLATE FOR  
ELECTROCHEMICAL REACTOR
- (73) Commissariat à l'Énergie Atomique et  
aux Énergies Alternatives  
(72) POIROT-CROUVEZIER, Jean-Philippe  
(31) 2012184  
(32) 26.11.2020  
(33) France
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H01M 8/0228  
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(11) EP3555942  
(21) EP17821813.7  
(47) 04.10.2023  
(87) EP2017081233  
21.06.2018  
(22) 01.12.2017  
(54) IMPROVED CONTACT BETWEEN  
INTERCONNECT AND CELL IN SOLID  
OXIDE CELL STACKS  
(73) Topsoe A/S  
(72) NØRBY, Tobias  
BLENNOW, Bengt Peter Gustav  
KÜNGAS, Rainer  
RASS-HANSEN, Jeppe  
HEIREDAL-CLAUSEN, Thomas  
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(32) 16.12.2016  
(33) Denmark
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H01M 10/42  
H01M 10/44  
H01M 50/403  
H01M 50/417  
H01M 50/446  
H01M 50/457  
H01M 50/489  
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(21) EP19747781.3  
(47) 04.10.2023  
(87) KR2019001400  
08.08.2019  
(22) 31.01.2019  
(54) SEPARATOR, LITHIUM SECONDARY  
BATTERY INCLUDING SEPARATOR,  
AND MANUFACTURING METHOD  
THEREFOR  
(73) LG CHEM, LTD.  
(72) LEE, Joo-Sung  
(31) 20180012301  
(32) 31.01.2018  
(33) Korea (Republic)
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H01M 4/13  
H01M 4/131  
H01M 4/133  
H01M 4/36  
H01M 4/525  
H01M 4/505  
H01M 4/58  
H01M 4/587  
H01M 4/02  
(11) EP3968430  
(21) EP20927860.5  
(47) 04.10.2023  
(87) CN2020081690  
30.09.2021  
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- (54) SECONDARY BATTERY AND  
APPARATUS CONTAINING THE  
SECONDARY BATTERY  
(73) Contemporary Amperex Technology Co.,  
Limited  
(72) MA, Jianjun  
SHEN, Rui  
HE, Libing  
ZHU, Baojian  
CHEN, Lei
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H01M 4/525  
H01G 11/64  
H01G 11/06  
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13.09.2018  
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(54) ADDITIVE FOR NON-AQUEOUS  
ELECTROLYTIC SOLUTIONS, NON-  
AQUEOUS ELECTROLYTIC SOLUTION,  
AND ELECTRICAL STORAGE DEVICE  
(73) Sumitomo Seika Chemicals Co., Ltd.  
(72) TAKAI Yasuyuki  
KONO Yuki  
YAMAMOTO Noriko  
FUJITA Koji  
(31) 2017044271  
(32) 08.03.2017  
(33) Japan
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H01M 6/16  
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H01M 10/0567  
H01M 10/0569  
H01G 11/50  
H01G 11/64  
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(11) EP3396771  
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(47) 04.10.2023  
(87) JP2016088588  
29.06.2017  
(22) 22.12.2016  
(54) ELECTROLYTE FOR NON-AQUEOUS  
ELECTROLYTE CELL, AND NON-  
AQUEOUS ELECTROLYTE CELL IN  
WHICH SAME IS USED  
(73) Central Glass Company, Limited  
(72) MORINAKA, Takayoshi  
KUBO, Makoto  
KAWABATA, Wataru  
SHINMEN, Masutaka  
MATSUZAKI, Hiroki  
TAKAHASHI, Mikihiro  
(31) 2016224154  
2015250364  
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22.12.2015  
(33) Japan  
Japan
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H01M 10/44  
G01R 31/385  
H02J 7/00

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H02H 7/18	LIM, Ji Soon	(22) 16.08.2017
H02H 3/02	CHO, Kyung Ho	(54) STORAGE BATTERY MODULE, STORAGE BATTERY UNIT, AND VEHICULAR POWER STORAGE DEVICE
(11) EP4024557	(31) 20180055653	(73) Kabushiki Kaisha Toshiba
(21) EP20886269.8	(32) 15.05.2018	Toshiba Infrastructure Systems & Solutions Corporation
(47) 04.10.2023	(33) Korea (Republic)	(72) KAMIJO Mototsugu
(87) KR2020010349	(51) H01M 10/613	KANAYAMA Yohsuke
20.05.2021	H01M 10/627	(31) 2016182434
(22) 05.08.2020	H01M 10/6556	(32) 16.09.2016
(54) FORCED DISCHARGE TEST APPARATUS AND FORCED DISCHARGE TEST METHOD	H01M 10/6552	(33) Japan
(73) LG ENERGY SOLUTION, LTD.	(11) EP3758130	(51) H01M 50/103
(72) RYU, Sang-Woo	(21) EP19182406.9	H01M 50/15
CHOI, Jee-Soon	(47) 04.10.2023	H01M 50/119
KANG, Dal-Mo	(22) 25.06.2019	(11) EP3739649
CHOI, Yong-Seok	(54) HOLDER DEVICE FOR HOLDING AND COOLING OF PUSH-IN MODULES	(21) EP19897500.5
(31) 20190145240	(73) INVENOX GmbH	(47) 04.10.2023
(32) 13.11.2019	(72) STEFFAN, Moritz	(87) KR2019010010
(33) Korea (Republic)	LINTZ, Jonathan	18.06.2020
(51) H01M 10/42	(51) H01M 10/613	(22) 08.08.2019
H01M 10/633	H01M 10/635	(54) CASE FOR SECONDARY BATTERY, SECONDARY BATTERY, AND BATTERY MODULE
H01M 10/48	H01M 10/66	(73) LG Energy Solution, Ltd.
B60L 58/10	H01M 10/663	(72) LEE, Won Jong
B60L 58/12	H01M 10/667	KIM, Ki Woong
B60L 58/24	H01M 10/6568	(31) 20180158129
B60L 58/21	H01M 10/625	(32) 10.12.2018
(11) EP3376588	H01M 10/615	(33) Korea (Republic)
(21) EP17839722.0	B60L 58/26	(51) H01M 50/105
(47) 04.10.2023	B60L 58/27	B29C 51/08
(87) KR2017008355	B60H 1/00	H01M 10/04
15.02.2018	B60K 1/00	H01M 50/178
(22) 02.08.2017	B60K 1/04	B29C 51/00
(54) TEMPERATURE MONITORING APPARATUS AND METHOD FOR BATTERY PACK	(11) EP3923398	B29L 31/00
(73) LG Energy Solution, Ltd.	(21) EP20762930.4	(11) EP4068475
(72) CHO, Su-Ho	(47) 04.10.2023	(21) EP21213617.0
MOON, Chi-Ho	(87) CN2020075861	(47) 04.10.2023
SUK, Kyung-Hoon	03.09.2020	(22) 10.12.2021
JU, Hong-Seok	(22) 19.02.2020	(54) POUCH-TYPE BATTERY CASE, APPARATUS FOR FORMING SAME, AND POUCH-TYPE SECONDARY BATTERY
(31) 20160102925	(54) BATTERY PACK THERMAL MANAGEMENT SYSTEM AND THERMAL MANAGEMENT SYSTEM FOR ELECTRIC VEHICLE	(73) LG Energy Solution, Ltd.
(32) 12.08.2016	(73) Contemporary Amperex Technology Co., Limited	(72) OH, Se Young
(33) Korea (Republic)	(72) LI, Yanru	HA, Jeong Min
(51) H01M 10/44	WU, Xingyuan	Kim, Sang Hun
H01M 10/42	LI, Guowei	KIM, Sin Woong
H01M 6/50	ZHANG, Wei	KIM, Geun Hee
(11) EP3483977	DAN, Zhimin	KIM, Hyun Beom
(21) EP18205872.7	ZUO, Xiyang	KWON, Hyung Ho
(47) 04.10.2023	(31) 201910152153	(31) 20210041418
(22) 13.11.2018	(32) 28.02.2019	(32) 30.03.2021
(54) BATTERY ALIGNING DEVICE	(33) China	(33) Korea (Republic)
(73) FDK Corporation	(51) H01M 10/6552	(51) H01M 50/147
(72) TSUCHIYA, Katsuki	H01M 10/613	H01M 50/548
(31) 2017219277	H01M 10/625	H01M 50/559
(32) 14.11.2017	H01M 10/6551	H01M 50/562
(33) Japan	H01M 10/6563	(11) EP3358642
(51) H01M 10/48	H01M 10/42	(21) EP16850948.7
H01M 10/42	H01M 10/6556	(47) 04.10.2023
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(21) EP19804454.7	H01M 50/262	06.04.2017
(47) 04.10.2023	H01M 50/271	(22) 18.08.2016
(87) KR2019004408	H01M 50/296	(54) SPACER FOR BATTERIES
21.11.2019	(11) EP3514885	
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(54) BATTERY PACK	(47) 04.10.2023	
(73) Samsung SDI Co., Ltd.	(87) JP2017029449	
(72) LIM, Doo Yong		

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(72) TAKAYANAGI, Mika	(32) 25.12.2020	(51) H01M 50/503
(31) 2015191559	27.03.2020	H01M 50/583
(32) 29.09.2015	(33) China	H02H 7/18
(33) Japan	China	H02J 7/00
(51) H01M 50/20	(51) H01M 50/213	(11) EP4096012
(11) EP3776715	H01M 50/51	(21) EP21786311.7
(21) EP19716884.2	(11) EP3644397	(47) 04.10.2023
(47) 04.10.2023	(21) EP18851878.1	(87) CN2021084736
(87) EP2019058801	(47) 04.10.2023	06.10.2022
17.10.2019	(87) KR2018009475	(22) 31.03.2021
(22) 08.04.2019	07.03.2019	(54) BUSBAR COMPONENT, BATTERY, AND ELECTRICAL DEVICE
(54) BATTERY UNIT WITH TEMPERATURE-REGULATING MEANS BUILT INTO THE HOUSING	(22) 17.08.2018	(73) Contemporary Amperex Technology Co., Limited
(73) Sogefi Air & Cooling (SAS)	(54) BATTERY MODULE FOR SUPPLYING POWER FOR EMERGENCY CALL	(72) WANG, Xuehui
(72) BECKER, Nicolas	(73) LG Energy Solution, Ltd.	HU, Lu
FLORANC, Alexandre	(72) KIM, Sang Jin	CHEN, Xiaobo
(31) 1853129	(31) 20170110392	
(32) 10.04.2018	(32) 30.08.2017	(51) H01M 50/503
(33) France	(33) Korea (Republic)	H01R 4/48
(51) H01M 50/20	(51) H01M 50/24	H01M 50/204
H01M 50/543	H01M 10/6569	(11) EP3987591
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H01M 10/04	A62C 3/16	(47) 04.10.2023
H01M 50/209	G06V 20/52	(87) EP2020066180
H01M 50/249	A62C 37/36	24.12.2020
H01M 50/503	H01M 50/298	(22) 11.06.2020
H01M 50/572	(11) EP3623018	(54) CONNECTING MEANS BETWEEN TWO PARTS OF A BUS BAR
H01M 50/591	(21) EP18205000.5	(73) Renault s.a.s
(11) EP3806234	(47) 04.10.2023	NISSAN MOTOR Co., Ltd.
(21) EP20816880.7	(22) 07.11.2018	(72) MATHIEU, Alexandre
(47) 04.10.2023	(54) FIRE EXTINGUISHING DEVICE FOR POWER STORAGE SYSTEM	(31) 1906668
(87) CN2020107957	(73) Industrial Technology Research Institute	(32) 20.06.2019
04.03.2021	(72) LING, Shou-Hung	(33) France
(22) 07.08.2020	LIANG, Shih-Hao	(51) H01M 50/507
(54) BATTERY PACK AND VEHICLE	HUANG, Mao-Cheng	H01M 50/514
(73) Contemporary Amperex Technology Co., Limited	CHIUEH, Tzi-Cker	H01M 50/204
(72) TANG, Yu	(31) 107132101	H01M 50/20
CHEN, Yanbo	(32) 12.09.2018	(11) EP3933952
WANG, Zhichao	(33) Taiwan, Chinese Taipei	(21) EP20879925.4
WANG, Yongguang	(51) H01M 50/446	(47) 04.10.2023
WANG, Peng	H01M 10/052	(87) CN2020119082
YOU, Kaijie	H01M 50/406	29.04.2021
CHEN, Xingdi	(11) EP3624224	(22) 29.09.2020
(31) 201910795447	(21) EP18872529.5	(54) BATTERY MODULE, BATTERY PACK AND DEVICE
(32) 27.08.2019	(47) 04.10.2023	(73) Contemporary Amperex Technology Co., Limited
(33) China	(87) KR2018013112	(72) WANG, Xuguang
(51) H01M 50/209	09.05.2019	YAO, Jihua
H01M 50/249	(22) 31.10.2018	(31) 201921769307 U
H01M 50/264	(54) SEPARATOR WITHOUT SEPARATOR SUBSTRATE AND ELECTROCHEMICAL DEVICE COMPRISING SAME	(32) 21.10.2019
(11) EP3958384	(73) LG Energy Solution, Ltd.	(33) China
(21) EP21774579.3	(72) KIM, Min Ji	(51) H01Q 1/12
(47) 04.10.2023	NAM, Kwan Woo	H01Q 1/24
(87) CN2021082082	AHN, Kyung Ho	(11) EP3254335
30.09.2021	LEE, Je An	(21) EP15707600.1
(22) 22.03.2021	KIM, Young Bok	(47) 04.10.2023
(54) FRAME BODY, BATTERY PACK AND APPARATUS	LEE, Chul Haeng	(87) EP2015054043
(73) Contemporary Amperex Technology Co., Limited	LEE, Jung Hoon	01.09.2016
(72) WANG, Wenjie	PARK, Sol Ji	(22) 26.02.2015
CHU, Yannan	(31) 20180131285	(54) INSTALLATION BRACKET
WU, Youxin	20170143690	(73) Huawei Technologies Co. Ltd.
ZHOU, Qiwang	(32) 30.10.2018	(72) EKHOLM, Peter
WANG, Shuai	31.10.2017	HOPPE, Joakim
(31) 202011568483	(33) Korea (Republic)	(51) H01Q 1/22



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H01Q 13/10	(22) 05.10.2017	(33) China
H01Q 13/16	(54) ANTENNA SYSTEM FOR A WIRELESS	(51) H01Q 7/00
H01Q 1/24	COMMUNICATION DEVICE	H04M 1/02
(11) EP3583483	(73) Huawei Technologies Co., Ltd.	H01Q 1/38
(21) EP17907671.6	(72) KHRIPKOV, Alexander	H01Q 1/24
(47) 04.10.2023	KROGERUS, Joonas	H01Q 5/371
(87) US2017029121	SOWPATI, Arun	H01Q 21/08
01.11.2018	MILOSAVLJEVIC, Zlatoljub	(11) EP3734761
(22) 24.04.2017	(51) H01Q 1/38	(21) EP19744449.0
(54) ANTENNAS IN FRAMES FOR DISPLAY	H01Q 1/48	(47) 04.10.2023
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(73) Hewlett-Packard Development Company,	H01Q 1/22	01.08.2019
L.P.	H01Q 3/24	(22) 24.01.2019
(72) HUNG, Kuan-Jung	H01Q 1/52	(54) LOOP TYPE ANTENNA AND
(51) H01Q 1/22	H01Q 9/04	ELECTRONIC DEVICE INCLUDING
H01Q 21/06	H01Q 9/42	SAME
H05K 3/46	H01Q 5/40	(73) Samsung Electronics Co., Ltd.
H01L 23/66	H01Q 21/06	(72) KIM, Jihoon
(11) EP3859877	(11) EP3365938	KIM, Jiyong
(21) EP18937468.9	(21) EP17741674.0	LEE, Jongin
(47) 04.10.2023	(47) 04.10.2023	KIM, Yeonjeong
(87) CN2018111041	(87) KR2017000672	NA, Hyoseok
23.04.2020	27.07.2017	(31) 20180009093
(22) 19.10.2018	(22) 19.01.2017	(32) 25.01.2018
(54) ANTENNA PACKAGING STRUCTURE	(54) ANTENNA DEVICE AND ELECTRONIC	(33) Korea (Republic)
AND MANUFACTURING METHOD	DEVICE HAVING THE SAME	(51) H01Q 9/04
THEREOF	(73) Samsung Electronics Co., Ltd.	H01Q 21/06
(73) Huawei Technologies Co., Ltd.	(72) LEE, Young-Ju	H01Q 25/00
(72) CHANG, Ming	KIM, Hyun-Jin	G01S 3/04
(51) H01Q 1/24	PARK, Jung-Min	G01S 3/48
H01Q 1/48	(31) 20160007714	H01Q 3/28
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H01Q 5/385	H01Q 1/44	ARRIVAL OF AN ELECTROMAGNETIC
H01Q 7/00	H01Q 9/42	WAVE
(11) EP3855567	(11) EP3753071	(73) The Boeing Company
(21) EP19882615.8	(21) EP18717005.5	(72) Hiller, Nathan D.
(47) 04.10.2023	(47) 04.10.2023	Loheit, Kurt
(87) CN2019115493	(87) EP2018058741	(31) 201715802026
14.05.2020	10.10.2019	(32) 02.11.2017
(22) 05.11.2019	(22) 05.04.2018	(33) United States of America
(54) COUPLED ANTENNA DEVICE AND	(54) ANTENNA ARRANGEMENT WITH	(51) H01Q 9/28
ELECTRONIC DEVICE	WAVE TRAP AND USER EQUIPMENT	H01Q 21/26
(73) Huawei Technologies Co., Ltd.	(73) HUAWEI TECHNOLOGIES CO., LTD.	H01Q 5/42
(72) WU, Pengfei	(72) TIAN, Ruiyuan	(11) EP3942652
LEE, Chien-Ming	XU, Changnian	(21) EP20714165.6
YU, Dong	DONG, Li	(47) 04.10.2023
TSAI, Chih Yu	ILVONEN, Janne	(87) EP2020057760
CHANG, Chih-Hua	(51) H01Q 7/00	01.10.2020
SOWPATI, Arun	H01Q 1/38	(22) 20.03.2020
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MAZEAU, Thierry	OMNIDIRECTIONAL SERIES-FED	STANKOVSKI, Steven
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H01Q 15/24	(72) STEINBERG, Helmut	(72) FABRE, Jean
H01Q 1/28	(51) H01R 4/2416	BELLIARD, Frédéric
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(33) Japan	(32) 30.08.2017	AND LASER USING SUCH AN
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(73) TRUMPF Photonic Components GmbH	(72) NAGAKI, Takayuki	SIM, Sanghun
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DEVICE AND METHOD FOR	(21) EP20839807.3	(11) EP2451000
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SYSTEM, PHOTOVOLTAIC SYSTEM	B60L 50/50	(22) 02.08.2019
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(54) MOTOR APPARATUS, ELECTRIC POWER UNIT AND WORKING MACHINE	(72) FUKUI, Ikuma (31) 20140103376 (32) 11.08.2014 (33) Korea (Republic)	(73) Huawei Digital Power Technologies Co., Ltd. (72) CHEN, Wenbin LIU, Jie (31) 201310386084 (32) 29.08.2013 (33) China
(73) HONDA MOTOR CO., LTD. (72) MATSUNAGA, Naoki FUJIWARA, Kazuhisa MIZUGUCHI, Hiroshi	(72) FUKUI, Ikuma (31) 20140103376 (32) 11.08.2014 (33) Korea (Republic)	(73) Huawei Digital Power Technologies Co., Ltd. (72) CHEN, Wenbin LIU, Jie (31) 201310386084 (32) 29.08.2013 (33) China
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(54) GENERATOR MAIN FIELD CONNECTION	(54) SYNCHRONOUS RELUCTANCE MOTOR	(73) Gree Electric Appliances, Inc. of Zhuhai (72) CHEN, Bin

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(73) Siemens Energy Global GmbH & Co. KG (72) SCHÖN, Andre	(51) H02M 3/00 H02M 3/335 H02M 7/483 H02M 7/487	(51) H02M 3/335 H02M 3/338
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(72) Wada, Yasuhiko	CRONIN, Harry Michael	Ltd.
Tsumura, Akihiro	CATTON, Phil Peter	(72) Meng, Xiaoqian
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(73) General Atomics	(22) 30.08.2019	LACHAUD, Pierre
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(33) United States of America	LEROY, Frédéric	(51) H03F 1/02
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**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.**

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(54) CONTROL CONSOLE COMPRISING	COMPOSITION	FOR ENHANCING IRON LEVELS
A TRANSFORMER WITH A LEAKAGE	(73) ULTRASUN AG	IN BLOOD, COMPRISING IRON (III)
CONTROL WINDING AND A	(72) IRNIGER, Benedikt	POLYMALTOSE AND ANOTHER
CAPACITOR	(74) P.J. Pollard B.Eng	ACTIVE SUBSTANCE, SUITABLE FOR
(73) Stryker Corporation	(31) 102018107718	IRON ABSORPTION, SELECTED FROM
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(22) 10.07.2019	(11) EP3886857	(54) COMBINATION OF FACTOR VII AND
(54) SOLUBILISATE WITH CURCUMIN AND	(21) EP19805716.8	A ANTI-FACTOR IX AND FACTOR X
AT LEAST THE CANNABINOID THC AS	(22) 25.11.2019	BISPECIFIC ANTIBODY
A FURTHER ACTIVE AGENT	(54) MONTELUKAST FOR THE	(73) Laboratoire Français du Fractionnement
(73) Aquanova AG	TREATMENT OF EROSIVE HAND	et des Biotechnologies
(72) BEHNAM, Dariush	OSTEOARTHRITIS	(72) PLANTIER, Jean-Luc
(74) ir. W.J.J.M. Kempes	(73) Farmalider, S.A.	(74) J.M.H. Duyver lic.
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B65B 3/04	
B65B 7/16	
B65B 7/28	
(11) EP3040097	
(51) A61M 25/00	
(11) EP3299056	
(51) A61M 25/00	
A61M 25/16	
A61M 25/01	
(11) EP3485781	
(51) A47L 9/28	
A47L 5/36	
A47L 7/00	
H01R 24/76	
(11) EP3543105	
(00) 22.09.2023	
(51) B62M 6/90	
B62K 19/30	
(00) Established	
(11) EP3883606	
(00) 12.09.2023	
(51) A61K 39/395	



## VRV

## Verval of nietigverklaring.

## Contains data concerning lapse or annulment.

(11) 1024431	(00) NP lapsed	(00) NP lapsed
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(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2408317	(11) EP2487613	(11) EP2534245
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2408683	(11) EP2487967	(11) EP2534293
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2409472	(11) EP2487993	(11) EP2534783
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2409724	(11) EP2489269	(11) EP2534904
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2409956	(11) EP2489395	(11) EP2535036
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2410514	(11) EP2489507	(11) EP2536347
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2411226	(11) EP2489795	(11) EP2536435
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2411463	(11) EP2497024	(11) EP2536692
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2418195	(11) EP2497397	(11) EP2536800
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2433668	(11) EP2499359	(11) EP2536821
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2435544	(11) EP2500492	(11) EP2536866
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2436753	(11) EP2506897	(11) EP2536887
(00) 02.10.2023	(00) 31.05.2023	(00) 01.03.2023
(00) Patent Expired	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2445855	(11) EP2520150	(11) EP2537071
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2447473	(11) EP2530269	(11) EP2537584
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2537585	(11) EP2554344	(11) EP2629024
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2537825	(11) EP2558898	(11) EP2629439
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2538864	(11) EP2559269	(11) EP2629540
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2538869	(11) EP2560830	(11) EP2631360
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2538930	(11) EP2563904	(11) EP2631666
(00) 01.03.2023	(00) 01.09.2021	(00) 01.03.2023
(00) EPV lapsed	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP2538938	(11) EP2564119	(11) EP2631672
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2538972	(11) EP2572206	(11) EP2633838
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2539031	(11) EP2579422	(11) EP2634224
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2539679	(11) EP2592414	(11) EP2634517
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2539921	(11) EP2607362	(11) EP2637045
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2539924	(11) EP2614560	(11) EP2641505
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2540113	(11) EP2623164	(11) EP2641667
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2540269	(11) EP2623538	(11) EP2643952
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2540333	(11) EP2624612	(11) EP2644157
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2540716	(11) EP2625228	(11) EP2650202
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2541306	(11) EP2626033	(11) EP2657453
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2542054	(11) EP2626454	(11) EP2663041
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2542600	(11) EP2626771	(11) EP2663228
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2546279	(11) EP2626779	(11) EP2665596
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2549946	(11) EP2627073	(11) EP2670420
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2550102	(11) EP2628500	(11) EP2670607
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2551549	(11) EP2628972	(11) EP2670791
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2671057	(11) EP2676063	(11) EP2695233
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2671186	(11) EP2676448	(11) EP2697215
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP2672823	(11) EP2676524	(11) EP2697336
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2672861	(11) EP2676677	(11) EP2699299
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
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(11) EP2672911	(11) EP2677893	(11) EP2711000
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2672994	(11) EP2678047	(11) EP2714393
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2673003	(11) EP2678119	(11) EP2722759
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2673004	(11) EP2678179	(11) EP2728168
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2673050	(11) EP2678261	(11) EP2728590
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2673311	(11) EP2678287	(11) EP2749116
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2673351	(11) EP2678388	(11) EP2752154
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP2673458	(11) EP2678555	(11) EP2753765
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP2673465	(11) EP2678601	(11) EP2756285
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
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(11) EP2673741	(11) EP2680911	(11) EP2756332
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
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(11) EP2673748	(11) EP2681181	(11) EP2760433
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
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(11) EP2673759	(11) EP2681219	(11) EP2761380
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2673805	(11) EP2681280	(11) EP2761986
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2674154	(11) EP2682116	(11) EP2761987
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2675016	(11) EP2683498	(11) EP2761988
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2675318	(11) EP2686066	(11) EP2761989
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2675855	(11) EP2688724	(11) EP2761990
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2675891	(11) EP2693017	(11) EP2761991
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023

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(11) EP2761992	(11) EP2774519	(11) EP2812430
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2761993	(11) EP2774582	(11) EP2812432
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2761994	(11) EP2774739	(11) EP2812595
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2761995	(11) EP2774828	(11) EP2812737
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP2763388	(11) EP2775246	(11) EP2812799
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2764198	(11) EP2776976	(11) EP2813009
(00) 31.05.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2764842	(11) EP2777619	(11) EP2814331
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2764848	(11) EP2777695	(11) EP2814464
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP2764886	(11) EP2785752	(11) EP2814495
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2764998	(11) EP2790623	(11) EP2814891
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2765589	(11) EP2797519	(11) EP2814948
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2767404	(11) EP2798099	(11) EP2814956
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2768082	(11) EP2802200	(11) EP2815317
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2769654	(11) EP2805024	(11) EP2815792
(00) 01.03.2023	(00) 04.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP2769773	(11) EP2805606	(11) EP2815875
(00) 01.03.2023	(00) 17.08.2023	(00) 01.03.2023
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(11) EP2769913	(11) EP2807130	(11) EP2816569
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP2769923	(11) EP2809214	(11) EP2817065
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2770017	(11) EP2809506	(11) EP2817152
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2770459	(11) EP2809803	(11) EP2817301
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2770460	(11) EP2809806	(11) EP2817338
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2772143	(11) EP2811660	(11) EP2817406
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2772478	(11) EP2812081	(11) EP2817676
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2817781	(11) EP2834073	(11) EP2905389
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2817929	(11) EP2834612	(11) EP2905640
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
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(11) EP2817987	(11) EP2836744	(11) EP2907629
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2819298	(11) EP2838904	(11) EP2908041
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP2819491	(11) EP2844434	(11) EP2908166
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2819856	(11) EP2845317	(11) EP2908264
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2820109	(11) EP2854049	(11) EP2910484
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2820588	(11) EP2861535	(11) EP2910664
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2820698	(11) EP2861536	(11) EP2911088
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2820911	(11) EP2863795	(11) EP2911416
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2821030	(11) EP2868778	(11) EP2911435
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2821402	(11) EP2871502	(11) EP2911481
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2821533	(11) EP2871585	(11) EP2912970
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2821616	(11) EP2872222	(11) EP2913568
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2821617	(11) EP2874180	(11) EP2913597
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2822728	(11) EP2875951	(11) EP2913721
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
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(11) EP2822879	(11) EP2880900	(11) EP2913837
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2823664	(11) EP2903086	(11) EP2918313
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2828600	(11) EP2904094	(11) EP2919191
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2830956	(11) EP2904904	(11) EP2925418
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2833216	(11) EP2905272	(11) EP2926756
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2833249	(11) EP2905295	(11) EP2927616
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2927945	(11) EP2956382	(11) EP2960528
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2930219	(11) EP2956534	(11) EP2961280
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2930951	(11) EP2956630	(11) EP2961310
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2933330	(11) EP2956693	(11) EP2961348
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2948607	(11) EP2956729	(11) EP2961388
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2951307	(11) EP2956759	(11) EP2961407
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2951452	(11) EP2958189	(11) EP2961429
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2953524	(11) EP2958514	(11) EP2961497
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2953659	(11) EP2958658	(11) EP2961634
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2953936	(11) EP2958815	(11) EP2961892
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2954007	(11) EP2958878	(11) EP2961992
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2954085	(11) EP2958907	(11) EP2962047
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2954239	(11) EP2958973	(11) EP2962080
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2955071	(11) EP2959053	(11) EP2962091
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2955192	(11) EP2959064	(11) EP2963043
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2955380	(11) EP2959066	(11) EP2963045
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2955381	(11) EP2959225	(11) EP2963976
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2955382	(11) EP2959352	(11) EP2964309
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2955383	(11) EP2959555	(11) EP2964985
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2955992	(11) EP2959585	(11) EP2965067
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2956084	(11) EP2960462	(11) EP2965418
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2956194	(11) EP2960527	(11) EP2967721
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2967722	(11) EP2981817	(11) EP3033144
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2967773	(11) EP2982083	(11) EP3033261
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2967840	(11) EP2983007	(11) EP3033552
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2967851	(11) EP2991559	(11) EP3036000
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2967999	(11) EP2993291	(11) EP3036612
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2968000	(11) EP2997768	(11) EP3036886
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2968001	(11) EP2998353	(11) EP3038522
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2969770	(11) EP3001806	(11) EP3041026
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2969895	(11) EP3005068	(11) EP3042239
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2970257	(11) EP3006970	(11) EP3043946
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2970724	(11) EP3008580	(11) EP3049237
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2971919	(11) EP3009201	(11) EP3049855
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2972037	(11) EP3009923	(11) EP3050480
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2973628	(11) EP3010691	(11) EP3051314
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2973746	(11) EP3010856	(11) EP3053504
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2973938	(11) EP3013640	(11) EP3054062
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2974166	(11) EP3016918	(11) EP3054083
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2974509	(11) EP3018053	(11) EP3054433
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2975102	(11) EP3025719	(11) EP3054526
(00) 31.05.2023	(00) 18.07.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP2975995	(11) EP3030138	(11) EP3054904
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2980679	(11) EP3030192	(11) EP3056150
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2981806	(11) EP3030482	(11) EP3056330
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023



(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3056440	(11) EP3062007	(11) EP3089151
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3056732	(11) EP3062363	(11) EP3090465
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3056738	(11) EP3062492	(11) EP3090731
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3056964	(11) EP3062757	(11) EP3094530
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3056974	(11) EP3064772	(11) EP3095962
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3057032	(11) EP3066964	(11) EP3099515
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3057341	(11) EP3068384	(11) EP3102093
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3057379	(11) EP3068453	(11) EP3102136
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3058810	(11) EP3070865	(11) EP3102436
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3059086	(11) EP3074829	(11) EP3102680
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3059119	(11) EP3076106	(11) EP3102753
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3059352	(11) EP3076108	(11) EP3102797
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3059572	(11) EP3076109	(11) EP3102933
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3059806	(11) EP3076110	(11) EP3102963
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3060012	(11) EP3076111	(11) EP3102976
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3060748	(11) EP3080279	(11) EP3103005
(00) 31.05.2023	(00) 03.08.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP3061351	(11) EP3081972	(11) EP3103012
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3061385	(11) EP3084152	(11) EP3103112
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3061480	(11) EP3086150	(11) EP3104468
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3061713	(11) EP3088499	(11) EP3104901
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3061765	(11) EP3088677	(11) EP3104982
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3061890	(11) EP3088804	(11) EP3105025
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3105041	(11) EP3110533	(11) EP3116333
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3105159	(11) EP3110767	(11) EP3119008
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3105319	(11) EP3110808	(11) EP3119498
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3105491	(11) EP3110810	(11) EP3120137
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3105528	(11) EP3110871	(11) EP3123239
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3105873	(11) EP3110890	(11) EP3124425
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3106025	(11) EP3110963	(11) EP3124481
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3107371	(11) EP3110973	(11) EP3128834
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3107399	(11) EP3110977	(11) EP3129495
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3107505	(11) EP3111089	(11) EP3129750
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3107705	(11) EP3111225	(11) EP3132336
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3107736	(11) EP3111372	(11) EP3132885
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3107739	(11) EP3111492	(11) EP3134712
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3108477	(11) EP3111557	(11) EP3135052
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3108558	(11) EP3111931	(11) EP3136769
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3108683	(11) EP3112321	(11) EP3136878
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3109242	(11) EP3112850	(11) EP3137939
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3109664	(11) EP3113420	(11) EP3138785
(00) 31.05.2023	(00) 31.05.2023	(00) 30.01.2019
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110274	(11) EP3113516	(11) EP3140094
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3110294	(11) EP3114174	(11) EP3140641
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3110315	(11) EP3114386	(11) EP3142124
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3110344	(11) EP3116230	(11) EP3145044
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3145071	(11) EP3199699	(11) EP3215867
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3145699	(11) EP3200423	(11) EP3217163
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3147896	(11) EP3201447	(11) EP3219751
(00) 31.05.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3151453	(11) EP3202299	(11) EP3219864
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3151980	(11) EP3202456	(11) EP3220045
(00) 31.05.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3152535	(11) EP3202635	(11) EP3221520
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3155970	(11) EP3203097	(11) EP3222464
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3161847	(11) EP3203429	(11) EP3223651
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3162272	(11) EP3205435	(11) EP3224445
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3162327	(11) EP3206711	(11) EP3226621
(00) 31.05.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3167812	(11) EP3207538	(11) EP3227783
(00) 31.05.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3168037	(11) EP3207830	(11) EP3228432
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3173515	(11) EP3210494	(11) EP3229507
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3174198	(11) EP3210915	(11) EP3229572
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3175068	(11) EP3211213	(11) EP3230792
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3178266	(11) EP3211234	(11) EP3232434
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3180124	(11) EP3211236	(11) EP3232603
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3188135	(11) EP3211416	(11) EP3233505
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3195277	(11) EP3211691	(11) EP3234779
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3195838	(11) EP3211761	(11) EP3235726
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3198334	(11) EP3213778	(11) EP3237530
(00) 31.05.2023	(00) 29.09.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) Patent Expired	(00) EPV Ceased Effect
(11) EP3199339	(11) EP3213870	(11) EP3241318
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3242377	(11) EP3254492	(11) EP3258816
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3243087	(11) EP3254680	(11) EP3259327
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3243669	(11) EP3255895	(11) EP3259359
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3243681	(11) EP3256059	(11) EP3259437
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3244223	(11) EP3256250	(11) EP3259661
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3244419	(11) EP3256273	(11) EP3260039
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3246963	(11) EP3256339	(11) EP3260628
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3247897	(11) EP3256391	(11) EP3261437
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3248449	(11) EP3256502	(11) EP3261693
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3248890	(11) EP3256508	(11) EP3261734
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3249448	(11) EP3256684	(11) EP3261753
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3250448	(11) EP3256796	(11) EP3261826
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3251048	(11) EP3256839	(11) EP3261999
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3252782	(11) EP3256879	(11) EP3262161
(00) 31.05.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3253238	(11) EP3257130	(11) EP3262414
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3253301	(11) EP3257153	(11) EP3262835
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3253431	(11) EP3257265	(11) EP3264069
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3253920	(11) EP3257311	(11) EP3265636
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3253945	(11) EP3257719	(11) EP3266716
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3254090	(11) EP3258423	(11) EP3268403
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3254146	(11) EP3258716	(11) EP3270365
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3254266	(11) EP3258798	(11) EP3271374
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3271436	(11) EP3300706	(11) EP3335797
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3271724	(11) EP3301218	(11) EP3335995
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3271786	(11) EP3305186	(11) EP3336551
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3272265	(11) EP3307825	(11) EP3337442
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3274788	(11) EP3309729	(11) EP3340635
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3274839	(11) EP3312597	(11) EP3342238
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3275106	(11) EP3312806	(11) EP3342799
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3276796	(11) EP3313519	(11) EP3342801
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3277014	(11) EP3315906	(11) EP3342972
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3278197	(11) EP3319158	(11) EP3343954
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3279401	(11) EP3320393	(11) EP3345024
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3280682	(11) EP3320429	(11) EP3345387
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3281482	(11) EP3321806	(11) EP3345539
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3284458	(11) EP3322433	(11) EP3345833
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3285656	(11) EP3322664	(11) EP3349022
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3287728	(11) EP3323784	(11) EP3349087
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3290940	(11) EP3326065	(11) EP3351170
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3291303	(11) EP3328907	(11) EP3354128
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3293902	(11) EP3330635	(11) EP3354977
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3295867	(11) EP3331926	(11) EP3356274
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3298903	(11) EP3333666	(11) EP3356669
(00) 08.12.2022	(00) 31.05.2023	(00) 31.05.2023
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3300348	(11) EP3335433	(11) EP3357035
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3357802	(11) EP3372318	(11) EP3395185
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3360508	(11) EP3372919	(11) EP3395931
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3360866	(11) EP3373601	(11) EP3398019
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3361258	(11) EP3374623	(11) EP3398022
(00) 31.05.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3361436	(11) EP3375222	(11) EP3398909
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3361790	(11) EP3375295	(11) EP3399005
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3363405	(11) EP3376845	(11) EP3399266
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3363492	(11) EP3377163	(11) EP3401556
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3363763	(11) EP3377211	(11) EP3402432
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3364553	(11) EP3377773	(11) EP3403612
(00) 01.03.2023	(00) 31.05.2023	(00) 02.10.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) Patent Expired
(11) EP3365445	(11) EP3378707	(11) EP3404753
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3365864	(11) EP3380742	(11) EP3404866
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3366111	(11) EP3381094	(11) EP3405337
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3366162	(11) EP3381627	(11) EP3405393
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3366624	(11) EP3381934	(11) EP3406737
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3366784	(11) EP3385041	(11) EP3408184
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3366882	(11) EP3385958	(11) EP3408767
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3367134	(11) EP3386163	(11) EP3410953
(00) 31.05.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3367958	(11) EP3386167	(11) EP3411278
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3369131	(11) EP3388022	(11) EP3411361
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3369408	(11) EP3390002	(11) EP3411368
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3369994	(11) EP3393118	(11) EP3411623
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3411929	(11) EP3419894	(11) EP3426727
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3412022	(11) EP3419910	(11) EP3426871
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3412105	(11) EP3420078	(11) EP3430485
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3412538	(11) EP3420207	(11) EP3430721
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3413388	(11) EP3420329	(11) EP3432299
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3414333	(11) EP3420428	(11) EP3432320
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3414406	(11) EP3421106	(11) EP3433540
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3414634	(11) EP3421192	(11) EP3434261
(00) 01.03.2023	(00) 31.05.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3414880	(11) EP3422877	(11) EP3435039
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3414967	(11) EP3422878	(11) EP3436271
(00) 31.05.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3416048	(11) EP3422904	(11) EP3438005
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3417035	(11) EP3423016	(11) EP3440005
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3417109	(11) EP3423548	(11) EP3441725
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3417172	(11) EP3424405	(11) EP3441990
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3417630	(11) EP3424500	(11) EP3442241
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3419244	(11) EP3424537	(11) EP3442617
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3419317	(11) EP3424821	(11) EP3442669
(00) 31.05.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3419554	(11) EP3425453	(11) EP3443653
(00) 01.03.2023	(00) 01.03.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3419625	(11) EP3425517	(11) EP3445144
(00) 01.03.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3419728	(11) EP3425553	(11) EP3445147
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(11) EP3419757	(11) EP3426566	(11) EP3446200
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(11) EP3446371	(11) EP3467670	(11) EP3490184
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(11) EP3446387	(11) EP3468584	(11) EP3491751
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(11) EP3447702	(11) EP3468930	(11) EP3492864
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(11) EP3449135	(11) EP3470758	(11) EP3493368
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(11) EP3449312	(11) EP3473208	(11) EP3493517
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(11) EP3453575	(11) EP3474051	(11) EP3497198
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(11) EP3453694	(11) EP3474800	(11) EP3497577
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(11) EP3455448	(11) EP3476697	(11) EP3500742
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(11) EP3456749	(11) EP3477451	(11) EP3501150
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(11) EP3456957	(11) EP3478015	(11) EP3501233
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(11) EP3458808	(11) EP3479362	(11) EP3501354
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(11) EP3459751	(11) EP3479486	(11) EP3502159
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(11) EP3461112	(11) EP3479852	(11) EP3503624
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(11) EP3461714	(11) EP3481214	(11) EP3504887
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(11) EP3462569	(11) EP3481396	(11) EP3506174
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(11) EP3464347	(11) EP3484369	(11) EP3510041
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(11) EP3466215	(11) EP3488365	(11) EP3510852
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(11) EP3467650	(11) EP3489447	(11) EP3511417
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(11) EP3553668	(11) EP3566955	(11) EP3578054
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(11) EP3553771	(11) EP3568096	(11) EP3578861
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(11) EP3553994	(11) EP3568253	(11) EP3579594
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(11) EP3554164	(11) EP3569938	(11) EP3580124
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(11) EP3554842	(11) EP3570143	(11) EP3580138
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(11) EP3555244	(11) EP3571842	(11) EP3580214
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(11) EP3555630	(11) EP3572123	(11) EP3580748
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(11) EP3556480	(11) EP3573561	(11) EP3580957
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(11) EP3561985	(11) EP3576210	(11) EP3583052
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(11) EP3995857	(11) EP4009843	(11) EP4038077
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3996225	(11) EP4010221	(11) EP4039536
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP3996878	(11) EP4010286	(11) EP4041507
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP3998437	(11) EP4010428	(11) EP4043182
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP3999353	(11) EP4013959	(11) EP4045593
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP3999672	(11) EP4015709	(11) EP4046226
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP4000463	(11) EP4016244	(11) EP4047753
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP4000674	(11) EP4016497	(11) EP4050228
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP4000980	(11) EP4017148	(11) EP4052300
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP4001102	(11) EP4018160	(11) EP4052628
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4002052	(11) EP4020242	(11) EP4052668
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP4002526	(11) EP4026649	(11) EP4054787
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP4002686	(11) EP4029182	(11) EP4055811
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP4003242	(11) EP4029659	(11) EP4058638
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP4003271	(11) EP4029815	(11) EP4063966
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4003882	(11) EP4030564	(11) EP4064458
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP4004060	(11) EP4031783	(11) EP4064787
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
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(11) EP4004394	(11) EP4033217	(11) EP4067575
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4004526	(11) EP4033276	(11) EP4069518
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4005185	(11) EP4033327	(11) EP4074596
(00) 31.05.2023	(00) 31.05.2023	(00) 31.05.2023

(00) EPV Ceased Effect  
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(11) EP4074945  
(00) 31.05.2023  
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(11) EP4075613  
(00) 31.05.2023  
(00) EPV Ceased Effect  
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(11) EP4091840  
(00) 31.05.2023  
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(11) EP4097149  
(00) 31.05.2023  
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(11) EP4099027  
(00) 31.05.2023  
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(11) EP4100387  
(00) 31.05.2023  
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(11) EP4100638  
(00) 31.05.2023  
(00) EPV Ceased Effect  
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(11) EP4105381  
(00) 31.05.2023  
(00) EPV Ceased Effect  
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(11) EP4111068  
(00) 31.05.2023  
(00) EPV Ceased Effect  
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(11) EP4114818  
(00) 31.05.2023  
(00) EPV Ceased Effect  
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(11) EP4117123  
(00) 31.05.2023  
(00) EPV Ceased Effect  
\_\_\_\_\_

**VRB**

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

(11) 2030921  
(48) 04.10.2023  
(00) Inventor details  
(51) F16H 1/16  
    F16H 57/021  
    F16H 55/24

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**CO**

**Ingeschreven overdrachten.**

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

(71) The eCloud Company BV	H01R 13/03	(11) EP2313592
(73) The eCloud Company BV	H01R 13/422	(00) 15.09.2023
(11) 1039857	H01R 43/02	(51) B27D 1/00
(00) 12.09.2023	(00) Merge	B32B 21/08
(51) B60L 11/18	(71) TE Connectivity Services GmbH	B44C 5/00
(00) Assignment	(73) TE Connectivity Solutions GmbH	E06B 3/30
(71) Click Safe Robotics B.V.	(11) EP2122764	F16S 3/00
(73) Click Safe Robotics B.V.	(00) 12.09.2023	(00) Change of owner(s) name
(11) 2010408	(51) H01R 12/51	(71) TE Connectivity Services GmbH
(00) 22.09.2023	H01R 12/57	(73) TE Connectivity Solutions GmbH
(51) E05B 37/00	H01R 4/02	(11) EP2339230
E05B 39/00	H01R 4/24	(00) 12.09.2023
E05B 43/00	H01R 4/48	(51) F21V 19/00
E05B 47/00	H01R 13/03	H01R 13/717
E05B 51/02	H01R 13/422	F21K 99/00
E05B 77/00	H01R 43/02	(00) Assignment
(00) Assignment	(00) Assignment	(71) TE Connectivity Solutions GmbH
(71) Csilla Csoke	(71) TE Connectivity Services GmbH	(73) TE Connectivity Solutions GmbH
(73) Csilla Csoke	(73) TE Connectivity Solutions GmbH	(11) EP2339230
(11) 2006915	(11) EP2130268	(00) 12.09.2023
(00) 14.09.2023	(00) 12.09.2023	(51) F21V 19/00
(51) E06B 3/38	(51) H01R 4/24	H01R 13/717
(00) Assignment	H01R 4/56	F21K 99/00
(71) Process Insights AG	(00) Assignment	(00) Merge
(73) Process Insights AG	(71) TE Connectivity Solutions GmbH	(71) SNCF VOYAGEURS
(11) EP1697739	(73) TE Connectivity Solutions GmbH	(73) SNCF VOYAGEURS
(00) 15.09.2023	(11) EP2130268	(11) EP2323884
(51) G01N 33/00	(00) 12.09.2023	(00) 20.09.2023
G01N 33/18	(51) H01R 4/24	(51) B61D 35/00
(00) Change of owner(s) name	H01R 4/56	(00) Assignment
(71) Kleiberit SE & Co. KG	(00) Merge	(71) TE Connectivity Solutions GmbH
(73) Kleiberit SE & Co. KG	(71) ISA Pharmaceuticals B.V.	(73) TE Connectivity Solutions GmbH
(11) EP1831277	(73) ISA Pharmaceuticals B.V.	(11) EP2412062
(00) 15.09.2023	(11) EP2152729	(00) 12.09.2023
(51) C08G 18/12	(00) 12.09.2023	(51) H01R 13/627
C08G 18/42	(51) A61K 38/16	(00) Merge
C08G 18/76	A61K 39/12	(71) TE Connectivity Services GmbH
C09J 175/06	C07K 14/025	(73) TE Connectivity Solutions GmbH
(00) Change of owner(s) name	(00) Assignment	(11) EP2412062
(71) Kleiberit SE & Co. KG	(71) TE Connectivity Solutions GmbH	(00) 12.09.2023
(73) Kleiberit SE & Co. KG	(73) TE Connectivity Solutions GmbH	(51) H01R 13/627
(11) EP1838460	(11) EP2164135	(00) Assignment
(00) 15.09.2023	(00) 12.09.2023	(71) TE Connectivity Solutions GmbH
(51) B05D 7/08	(51) H01R 13/04	(73) TE Connectivity Solutions GmbH
(00) Change of owner(s) name	H01R 13/11	(11) EP2111674
(71) TOYOBO CO., LTD.	H01R 13/28	(00) 12.09.2023
(73) TOYOBO CO., LTD.	H01R 13/627	(51) H01R 13/518
(11) EP1842868	H01R 13/64	H01R 13/52
(00) 12.09.2023	(00) Merge	H01R 13/629
(51) C08G 63/84	(71) TE Connectivity Services GmbH	H01R 13/73
(00) Change of owner(s) name	(73) TE Connectivity Solutions GmbH	(00) Merge
(71) TE Connectivity Solutions GmbH	(11) EP2164135	(71) TE Connectivity Services GmbH
(73) TE Connectivity Solutions GmbH	(00) 12.09.2023	(73) TE Connectivity Solutions GmbH
(11) EP2122764	(51) H01R 13/04	(11) EP2460042
(00) 12.09.2023	H01R 13/11	(00) 12.09.2023
(51) H01R 12/51	H01R 13/28	(51) G02B 6/26
H01R 12/57	H01R 13/627	G02B 6/42
H01R 4/02	H01R 13/64	(00) Assignment
H01R 4/24	(00) Assignment	(71) Alfa Laval Rotterdam B.V.
H01R 4/48	(71) Kleiberit SE & Co. KG	(73) Alfa Laval Rotterdam B.V.
	(73) Kleiberit SE & Co. KG	(11) EP2585364



(00) 13.09.2023	(00) 12.09.2023	(11) EP2139079
(51) B01F 3/04	(51) H05B 37/02	(00) 12.09.2023
B63B 1/38	(00) Merge	(51) H01R 12/57
(00) Change of owner(s) name	(71) TE Connectivity Services GmbH	H01R 13/74
(71) Kleiberit SE & Co. KG	(73) TE Connectivity Solutions GmbH	H05K 1/18
(73) Kleiberit SE & Co. KG	(11) EP2111674	(00) Assignment
(11) EP2655460	(00) 12.09.2023	(71) TE Connectivity Solutions GmbH
(00) 15.09.2023	(51) H01R 13/518	(73) TE Connectivity Solutions GmbH
(51) C08G 18/10	H01R 13/52	(11) EP2139072
C08G 18/12	H01R 13/629	(00) 12.09.2023
C08K 3/00	H01R 13/73	(51) H01R 4/32
C08K 3/22	(00) Assignment	H01R 4/64
C08K 3/34	(71) SNCF VOYAGEURS	H01R 4/66
C08K 3/36	(73) SNCF VOYAGEURS	(00) Merge
C08K 3/38	(11) EP3098358	(71) TE Connectivity Solutions GmbH
C08K 3/40	(00) 20.09.2023	(73) TE Connectivity Solutions GmbH
C08L 75/04	(51) B61D 35/00	(11) EP2430361
C09D 175/04	E03F 1/00	(00) 12.09.2023
(00) Change of owner(s) name	(00) Assignment	(51) F21V 23/00
(71) ISA Pharmaceuticals B.V.	(71) TE Connectivity Solutions GmbH	F21K 99/00
(73) ISA Pharmaceuticals B.V.	(73) TE Connectivity Solutions GmbH	(00) Merge
(11) EP2468763	(11) EP2592336	(71) TE Connectivity Services GmbH
(00) 12.09.2023	(00) 12.09.2023	(73) TE Connectivity Solutions GmbH
(51) A61K 38/16	(51) F21V 19/00	(11) EP2430361
A61K 39/12	H05K 7/14	(00) 12.09.2023
C07K 14/005	F21Y 101/02	(51) F21V 23/00
(00) Assignment	(00) Merge	F21K 99/00
(71) TE Connectivity Solutions GmbH	(71) TE Connectivity Services GmbH	(00) Assignment
(73) TE Connectivity Solutions GmbH	(73) TE Connectivity Solutions GmbH	(71) Wingcopter GmbH
(11) EP2139079	(11) EP2340393	(73) Wingcopter GmbH
(00) 12.09.2023	(00) 12.09.2023	(11) EP2776315
(51) H01R 12/57	(51) F21V 19/00	(00) 15.09.2023
H01R 13/74	H01R 13/24	(51) B64C 29/00
H05K 1/18	H01R 13/717	(00) Assignment
(00) Merge	F21K 9/00	(71) TE Connectivity Services GmbH
(71) TE Connectivity Services GmbH	F21Y 115/10	(73) TE Connectivity Solutions GmbH
(73) TE Connectivity Solutions GmbH	(00) Assignment	(11) EP3042116
(11) EP2139072	(71) TE Connectivity Services GmbH	(00) 12.09.2023
(00) 12.09.2023	(73) TE Connectivity Solutions GmbH	(51) F21V 23/06
(51) H01R 4/32	(11) EP2592336	F21V 23/00
H01R 4/64	(00) 12.09.2023	F21K 9/235
H01R 4/66	(51) F21V 19/00	F21K 9/238
(00) Assignment	H05K 7/14	F21K 9/90
(71) Rota Limited	F21Y 101/02	F21Y 115/10
(73) Rota Limited	(00) Assignment	(00) Assignment
(11) EP2740182	(71) AllClear ID, Inc.	(71) Purenum GmbH
(00) 13.09.2023	(73) Encap AS	(73) Purenum GmbH
(51) H01R 13/53	(11) EP1997291	(11) EP2796100
H01R 13/625	(00) 19.09.2023	(00) 15.09.2023
(00) Change of owner(s) name	(51) H04L 29/06	(51) A61B 17/22
(71) TE Connectivity Services GmbH	(00) Assignment	A61K 47/36
(73) TE Connectivity Solutions GmbH	(71) TE Connectivity Solutions GmbH	A61L 24/00
(11) EP2334155	(73) TE Connectivity Solutions GmbH	A61L 24/04
(00) 12.09.2023	(11) EP2460042	(00) Assignment
(51) H05B 37/02	(00) 12.09.2023	(71) TE Connectivity Solutions GmbH
(00) Assignment	(51) G02B 6/26	(73) TE Connectivity Solutions GmbH
(71) TE Connectivity Services GmbH	G02B 6/42	(11) EP2393163
(73) TE Connectivity Solutions GmbH	(00) Merge	(00) 12.09.2023
(11) EP2393163	(71) SNCF VOYAGEURS	(51) H01R 12/72
(00) 12.09.2023	(73) SNCF VOYAGEURS	H01R 13/6476
(51) H01R 12/72	(11) EP2616279	H01R 13/11
H01R 13/6476	(00) 20.09.2023	(00) Merge
H01R 13/11	(51) B60R 3/02	(71) TE Connectivity Services GmbH
(00) Assignment	B61D 23/02	(73) TE Connectivity Solutions GmbH
(71) TE Connectivity Solutions GmbH	(00) Assignment	(11) EP2393164
(73) TE Connectivity Solutions GmbH	(71) TE Connectivity Services GmbH	(00) 12.09.2023
(11) EP2334155	(73) TE Connectivity Solutions GmbH	(51) H01R 12/72

H01R 13/11	(00) 12.09.2023	(11) EP2970147
H01R 13/514	(51) F21V 19/00	(00) 18.09.2023
(00) Assignment	(00) Merge	(51) A61K 31/513
(71) TE Connectivity Solutions GmbH	(71) Arts, Werner	C07D 239/47
(73) TE Connectivity Solutions GmbH	Process Insights AG	(00) Change of owner(s) name
(11) EP2393164	(73) Arts, Werner	(71) ARRIS INTERNATIONAL IP LTD
(00) 12.09.2023	Process Insights AG	(73) ARRIS INTERNATIONAL IP LTD
(51) H01R 12/72	(11) EP2115453	(11) EP3205134
H01R 13/11	(00) 15.09.2023	(00) 15.09.2023
H01R 13/514	(51) G01N 31/12	(51) H04L 29/06
(00) Merge	G01N 33/18	H04W 12/00
(71) TE Connectivity Solutions GmbH	(00) Change of owner(s) name	H04W 12/04
(73) TE Connectivity Solutions GmbH	(71) TE Connectivity Solutions GmbH	H04W 12/06
(11) EP2664034	(73) TE Connectivity Solutions GmbH	H04W 16/26
(00) 12.09.2023	(11) EP2333405	H04W 84/04
(51) H01R 13/187	(00) 12.09.2023	H04W 84/12
(00) Merge	(51) F21V 19/00	H04W 92/20
(71) Click Safe Robotics B.V.	H01R 13/717	H04W 76/14
(73) Click Safe Robotics B.V.	(00) Merge	(00) Assignment
(11) EP3243789	(71) Bioenergy Life Science, Inc.	(71) TE Connectivity Solutions GmbH
(00) 22.09.2023	(73) Bioenergy Life Science, Inc.	(73) TE Connectivity Solutions GmbH
(51) B66F 9/075	(11) EP2964024	(11) EP2471145
(00) Assignment	(00) 19.09.2023	(00) 12.09.2023
(71) TE Connectivity Services GmbH	(51) A01N 43/08	(51) H01R 12/55
(73) TE Connectivity Solutions GmbH	A01P 21/00	H01R 12/71
(11) EP2664034	C05F 11/00	H01R 31/08
(00) 12.09.2023	(00) Assignment	(00) Merge
(51) H01R 13/187	(71) Purenum GmbH	(71) TE Connectivity Services GmbH
(00) Assignment	(73) Purenum GmbH	(73) TE Connectivity Solutions GmbH
(71) TE Connectivity Solutions GmbH	(11) EP2988682	(11) EP2471145
(73) TE Connectivity Solutions GmbH	(00) 15.09.2023	(00) 12.09.2023
(11) EP2340393	(51) A61B 17/22	(51) H01R 12/55
(00) 12.09.2023	A61K 47/36	H01R 12/71
(51) F21V 19/00	A61L 24/00	H01R 31/08
H01R 13/24	A61L 24/04	(00) Assignment
H01R 13/717	(00) Assignment	(71) Hugo Huis in 't Veld
F21K 9/00	(71) Depo Solutions GmbH	(73) Hugo Huis in 't Veld
F21Y 115/10	(73) Depo Solutions GmbH	(11) 2026436
(00) Merge	(11) EP2011848	(00) 12.09.2023
(71) SNCF VOYAGEURS	(00) 15.09.2023	(51) F24D 17/00
(73) SNCF VOYAGEURS	(51) C10G 7/00	F24D 19/10
(11) EP2839982	C10G 27/04	F24H 1/10
(00) 20.09.2023	C10G 53/14	F24H 1/18
(51) B60L 5/24	(00) Assignment	F24H 9/20
(00) Assignment	(71) SNCF VOYAGEURS	(00) Assignment
(71) Encap AS	(73) SNCF VOYAGEURS	(71) FUJII & SONS., Ltd.
(73) Encap AS	(11) EP2324173	(73) FUJII & SONS., Ltd.
(11) EP1997291	(00) 20.09.2023	(11) EP3130220
(00) 19.09.2023	(51) E05B 41/00	(00) 19.09.2023
(51) H04L 29/06	E05B 65/00	(51) A01G 1/00
(00) Assignment	(00) Assignment	A01G 7/00
(71) Petermann GmbH	(71) TE Connectivity Services GmbH	A01G 9/00
(73) Petermann GmbH	(73) TE Connectivity Solutions GmbH	A01G 9/24
(11) EP3182894	(11) EP2333405	A01G 31/00
(00) 15.09.2023	(00) 12.09.2023	A01G 31/02
(51) A61B 6/00	(51) F21V 19/00	(00) Assignment
G03B 42/04	H01R 13/717	(71) MAYO FOUNDATION FOR MEDICAL
(00) Assignment	(00) Assignment	EDUCATION AND RESEARCH
(71) TE Connectivity Services GmbH	(71) TE Connectivity Solutions GmbH	Veracyte SD, Inc.
(73) TE Connectivity Solutions GmbH	(73) TE Connectivity Solutions GmbH	(73) MAYO FOUNDATION FOR MEDICAL
(11) EP2623854	(11) EP2392903	EDUCATION AND RESEARCH
(00) 12.09.2023	(00) 12.09.2023	Veracyte SD, Inc.
(51) F21V 19/00	(51) G01K 7/42	(11) EP2885640
(00) Assignment	G01K 13/00	(00) 18.09.2023
(71) TE Connectivity Solutions GmbH	(00) Merge	(51) C40B 30/04
(73) TE Connectivity Solutions GmbH	(71) Ocuphire Pharma, Inc.	G01N 33/574
(11) EP2623854	(73) Ocuphire Pharma, Inc.	C12Q 1/68

(00) Change of owner(s) name	(00) 20.09.2023	(73) ARRIS INTERNATIONAL IP LTD
(71) SNCF VOYAGEURS	(51) H04L 29/06	(11) EP3149943
(73) SNCF VOYAGEURS	H04L 29/08	(00) 15.09.2023
(11) EP2323885	(00) Change of Legal Entity	(51) H04N 19/13
(00) 20.09.2023	(71) Centripetal Limited	H04N 19/186
(51) A47B 31/06	(73) Centripetal Limited	H04N 19/174
B60N 3/00	(11) EP3869767	H04N 19/17
B61D 37/00	(00) 20.09.2023	H04N 19/44
(00) Assignment	(51) H04L 29/06	H04N 19/82
(71) Process Insights AG	H04L 29/08	H04N 19/436
(73) Process Insights AG	(00) Assignment	(00) Assignment
(11) EP3149434	(71) ARRIS INTERNATIONAL IP LTD	(71) TE Connectivity Solutions GmbH
(00) 15.09.2023	(73) ARRIS INTERNATIONAL IP LTD	(73) TE Connectivity Solutions GmbH
(51) G01N 25/00	(11) EP3000237	(11) EP3042116
G01N 33/18	(00) 15.09.2023	(00) 12.09.2023
(00) Change of owner(s) name	(51) H04N 21/2343	(51) F21V 23/06
(71) Kleiberit SE & Co. KG	H04N 21/262	F21V 23/00
(73) Kleiberit SE & Co. KG	H04N 21/266	F21K 9/235
(11) EP2799155	H04N 21/41	F21K 9/238
(00) 15.09.2023	H04N 21/4363	F21K 9/90
(51) B05D 1/28	H04N 21/4402	F21Y 115/10
B05D 1/30	H04N 21/4408	(00) Merge
B05D 1/40	H04N 21/482	(71) TE Connectivity Solutions GmbH
B05D 3/06	H04N 21/61	(73) TE Connectivity Solutions GmbH
B05D 3/12	H04N 21/643	(11) EP3434915
B05D 5/06	H04N 21/647	(00) 12.09.2023
B05D 7/00	H04N 21/8355	(51) F16B 33/00
B05D 7/06	H04N 21/845	F16B 41/00
(00) Change of owner(s) name	H04L 9/08	H01H 85/20
(71) Poolbeg Pharma (UK) Limited	H04L 29/06	H05K 5/00
(73) Poolbeg Pharma (UK) Limited	(00) Assignment	(00) Merge
(11) EP3478322	(71) Kleiberit SE & Co. KG	(71) Cardinal Health 200, LLC
(00) 15.09.2023	(73) Kleiberit SE & Co. KG	(73) Cardinal Health 200, LLC
(51) A61K 31/395	(11) EP1868737	(11) EP2945596
A61K 45/00	(00) 15.09.2023	(00) 14.09.2023
A61P 31/12	(51) B05D 7/08	(51) A61J 17/00
(00) Change of owner(s) name	C09J 123/08	A61B 5/103
(71) TE Connectivity Services GmbH	C09J 163/00	(00) Assignment
(73) TE Connectivity Solutions GmbH	C09J 175/04	(71) TE Connectivity Solutions GmbH
(11) EP2392903	(00) Change of owner(s) name	(73) TE Connectivity Solutions GmbH
(00) 12.09.2023	(71) Centripetal Limited	(11) EP3207309
(51) G01K 7/42	(73) Centripetal Limited	(00) 12.09.2023
G01K 13/00	(11) EP3659316	(51) F21V 23/04
(00) Assignment	(00) 20.09.2023	F21W 131/103
(71) Siemens Logistics LLC	(51) H04L 9/40	G01J 1/02
(73) Siemens Logistics LLC	H04L 45/745	G01J 1/04
(11) EP2684166	H04L 47/2425	(00) Merge
(00) 13.09.2023	H04L 47/2483	(71) TE Connectivity Services GmbH
(51) G06Q 10/08	(00) Assignment	(73) TE Connectivity Solutions GmbH
(00) Assignment	(71) HYPLAT (PTY) LTD	(11) EP3207309
(71) Centripetal Limited	(73) HYPLAT (PTY) LTD	(00) 12.09.2023
(73) Centripetal Limited	(11) EP3529845	(51) F21V 23/04
(11) EP3832978	(00) 15.09.2023	F21W 131/103
(00) 20.09.2023	(51) B05D 1/02	G01J 1/02
(51) H04L 29/06	B05D 7/04	G01J 1/04
(00) Assignment	H01M 4/88	(00) Assignment
(71) SNCF VOYAGEURS	H01M 8/1018	(71) Maurer Magnetic AG
(73) SNCF VOYAGEURS	(00) Assignment	(73) Maurer Magnetic AG
(11) EP3132985	(71) SNCF VOYAGEURS	(11) EP2851911
(00) 20.09.2023	(73) SNCF VOYAGEURS	(00) 21.09.2023
(51) B60T 17/00	(11) EP3272617	(51) H01F 13/00
B60T 17/04	(00) 20.09.2023	H05K 9/00
F16L 55/02	(51) B60R 5/00	(00) Assignment
(00) Assignment	B61D 37/00	(71) Saltex Oy
(71) Centripetal Networks, LLC	B61D 45/00	(73) Saltex Oy
(73) Centripetal Limited	(00) Assignment	(11) EP3180477
(11) EP3869767	(71) ARRIS INTERNATIONAL IP LTD	(00) 13.09.2023

(51) A63C 19/04 D05C 17/02 E01C 5/18 E01C 13/08	(11) EP2755217 (00) 21.09.2023 (51) H01F 13/00 (00) Assignment	(11) EP3386591 (00) 13.09.2023 (51) A61K 31/519 A61P 25/00 A61P 25/18 A61P 25/24 C07D 217/24 C07D 239/90 C07D 471/04 C07D 487/04 C07D 493/04 C07D 495/04 C07D 498/04 C07D 513/04
(00) Assignment	(71) Process Insights AG (73) Process Insights AG (11) EP3287780 (00) 15.09.2023 (51) G01N 31/12 G01N 33/18	(00) Assignment
(71) Process Insights AG (73) Process Insights AG (11) EP3287780 (00) 15.09.2023 (51) G01N 31/12 G01N 33/18	(71) Process Insights AG (73) Process Insights AG (11) EP3450976 (00) 15.09.2023 (51) G01N 33/18 (00) Change of owner(s) name	(00) Assignment
(00) Change of owner(s) name	(71) Centripetal Networks, LLC (73) Centripetal Limited (11) EP3832978 (00) 20.09.2023 (51) H04L 29/06 (00) Change of Legal Entity	(00) Assignment
(71) Ocuphire Pharma, Inc. (73) Ocuphire Pharma, Inc. (11) EP3246320 (00) 18.09.2023 (51) C07D 317/44	(71) Ocuphire Pharma, Inc. (73) Ocuphire Pharma, Inc. (11) EP3378855 (00) 18.09.2023 (51) C07D 239/47 A61K 31/513 C07D 317/22 C07D 317/44 C07D 405/04 C07F 7/18 (00) Change of owner(s) name	(71) SNCF VOYAGEURS (73) SNCF VOYAGEURS (11) EP3072774 (00) 20.09.2023 (51) B61K 9/12 G01G 19/00 G01L 5/00
(00) Change of owner(s) name	(71) SNCF VOYAGEURS (73) SNCF VOYAGEURS (11) EP3248830 (00) 20.09.2023 (51) B60N 2/015 B60N 2/06 B60N 2/07 B61D 17/10 B61D 33/00	(00) Assignment
(71) SNCF VOYAGEURS (73) SNCF VOYAGEURS (11) EP3248830 (00) 20.09.2023 (51) B60N 2/015 B60N 2/06 B60N 2/07 B61D 17/10 B61D 33/00	(71) SNCF VOYAGEURS (73) SNCF VOYAGEURS (11) EP3248830 (00) 20.09.2023 (51) B60N 2/015 B60N 2/06 B60N 2/07 B61D 17/10 B61D 33/00 (00) Assignment	(00) Assignment
(00) Assignment	(71) ISA Pharmaceuticals B.V. (73) ISA Pharmaceuticals B.V. (11) EP2757109 (00) 12.09.2023 (51) A61K 38/16 A61K 39/12 C07K 14/005 C12N 7/00	(71) FUJII & SONS., Ltd. (73) FUJII & SONS., Ltd. (11) EP3414996 (00) 19.09.2023 (51) A01G 31/02
(71) ISA Pharmaceuticals B.V. (73) ISA Pharmaceuticals B.V. (11) EP2757109 (00) 12.09.2023 (51) A61K 38/16 A61K 39/12 C07K 14/005 C12N 7/00	(71) ARRIS INTERNATIONAL IP LTD (73) ARRIS INTERNATIONAL IP LTD (11) EP3338428 (00) 15.09.2023 (51) H04L 29/06 H04L 29/12 (00) Assignment	(00) Assignment
(00) Assignment	(71) METSO OUTOTEC USA INC. (73) METSO OUTOTEC USA INC. (11) EP3417944 (00) 20.09.2023 (51) B04C 5/04 B04C 5/12 B04C 5/23	(71) Kleiberit SE & Co. KG (73) Kleiberit SE & Co. KG (11) EP3288688 (00) 15.09.2023 (51) B05D 1/38 B05D 1/40 B05D 1/42 B05D 7/00
(71) Process Insights AG (73) Process Insights AG (11) EP3230731 (00) 15.09.2023 (51) G01N 31/12 G01N 33/18	(71) METSO OUTOTEC USA INC. (73) METSO OUTOTEC USA INC. (11) EP3417944 (00) 20.09.2023 (51) B04C 5/04 B04C 5/12 B04C 5/23 (00) Merge	(00) Change of owner(s) name
(00) Change of owner(s) name	(71) TE Connectivity Services GmbH (73) TE Connectivity Solutions GmbH (11) EP3434915 (00) 12.09.2023 (51) F16B 33/00 F16B 41/00 H01H 85/20 H05K 5/00	(71) TAUNS Laboratories, Inc. (73) TAUNS Laboratories, Inc. (11) EP3499237 (00) 18.09.2023 (51) G01N 33/543 G01N 33/569
(71) Process Insights AG (73) Process Insights AG (11) EP3540431 (00) 15.09.2023 (51) G01N 31/12 G01N 33/18	(71) TE Connectivity Services GmbH (73) TE Connectivity Solutions GmbH (11) EP3434915 (00) 12.09.2023 (51) F16B 33/00 F16B 41/00 H01H 85/20 H05K 5/00 (00) Assignment	(00) Change of Legal Entity
(00) Change of owner(s) name	(71) METSO OUTOTEC USA INC. (73) METSO OUTOTEC USA INC. (11) EP3417945 (00) 20.09.2023 (51) B04C 5/18 B04C 5/24	(71) Novartis AG (73) Novartis AG (11) EP3571193 (00) 13.09.2023 (51) C07D 403/04 C07D 417/04 A61P 25/30 A61K 31/506
(71) Process Insights AG (73) Process Insights AG (11) EP3540432 (00) 15.09.2023 (51) G01N 31/12 G01N 33/18	(71) METSO OUTOTEC USA INC. (73) METSO OUTOTEC USA INC. (11) EP3417945 (00) 20.09.2023 (51) B04C 5/18 B04C 5/24 (00) Merge	(00) Assignment
(00) Change of owner(s) name	(71) Oerlikon Metco AG, Wohlen (73) Oerlikon Metco AG, Wohlen (11) EP3368895 (00) 15.09.2023 (51) G01N 33/18 G01N 1/38	(71) GammaDelta Therapeutics Ltd (73) GammaDelta Therapeutics Ltd (11) EP3307875 (00) 15.09.2023 (51) C12N 5/0783 A61K 35/17
(71) Process Insights AG (73) Process Insights AG (11) EP3368895 (00) 15.09.2023 (51) G01N 33/18 G01N 1/38	(71) Oerlikon Metco AG, Wohlen (73) Oerlikon Metco AG, Wohlen (11) EP3504943 (00) 14.09.2023 (51) H05H 1/42 H05H 1/34 (00) Assignment	(00) Assignment
(00) Change of owner(s) name	(71) Novartis AG (73) Novartis AG	(71) Centripetal Networks, LLC (73) Centripetal Limited (11) EP3659316 (00) 20.09.2023 (51) H04L 9/40 H04L 45/745
(71) Maurer Magnetic AG (73) Maurer Magnetic AG	(71) Novartis AG (73) Novartis AG	

H04L 47/2425

H04L 47/2483

(00) Change of Legal Entity

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(71) REEMOON TECHNOLOGY CO., LTD.

(73) REEMOON TECHNOLOGY CO., LTD.

(11) EP3842786

(00) 15.09.2023

(51) G01N 21/01

G01N 21/25

G01N 21/84

G02B 19/00

(00) Change of owner(s) name

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(71) FUJII & SONS., Ltd.

(73) FUJII & SONS., Ltd.

(11) EP3725151

(00) 19.09.2023

(51) A01G 31/06

A01G 31/02

A01G 31/00

(00) Assignment

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(71) Koninklijke Philips N.V.

(73) Koninklijke Philips N.V.

(11) EP3845011

(00) 15.09.2023

(51) H04W 52/02

H04W 72/04

H04W 76/27

(00) Assignment

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**TVH**

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

## UP1

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

(11) EP3852979	(11) EP4079162	(11) EP3535202
(11) EP3711304	(11) EP3970681	(11) EP3475192
(11) EP3965432	(11) EP3140628	(11) EP3527511
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(11) EP3796973	(11) EP3439894	(11) EP3458635
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(11) EP4005367	(11) EP3994419	

## **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).**