



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:

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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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<b>Rubriek NP2</b> Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	<b>11 Heading NP2</b> Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	<b>11</b>
<b>Rubriek NP3</b> Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	<b>14 Heading NP3</b> Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	<b>14</b>
<b>Rubriek EP1</b> Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	<b>15 Heading EP1</b> Contains data concerning translations of the conclusions of European patent applications.	<b>15</b>
<b>Rubriek EP2</b> Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	<b>16 Heading EP2</b> Contains data concerning European patents granted for The Netherlands.	<b>16</b>
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<b>Rubriek EP4</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	<b>152 Heading EP4</b> Contains data concerning European patents granted in amended form for the Netherlands.	<b>152</b>
<b>Rubriek EP5</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde	<b>153 Heading EP5</b> Contains data concerning European patents granted in amended form for	<b>153</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>154Heading SPC</b> Contains data concerning applications for- or granted Supplementary Protection Certificates.	154
<b>Rubriek VB1</b> Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.	<b>155Heading VB1</b> Contains data concerning requests and notices of opposition under the General administrative law.	155
<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>156Heading 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.	156
<b>Rubriek MED</b> Bevat gegevens betreffende overige mededelingen.	<b>157Heading MED</b> Contains data concerning other communications.	157
<b>Rubriek VRV</b> Bevat gegevens betreffende verval of nietigverklaring.	<b>158Heading VRV</b> Contains data concerning lapse or annulment.	158
<b>Rubriek VRB</b> Bevat gegevens betreffende verbeteringen op eerdere publicaties.	<b>176Heading VRB</b> Contains data concerning corrections on earlier publications.	176
<b>Rubriek CO</b> Bevat gegevens betreffende wijzigingen in het octrooiregister.	<b>177Heading CO</b> Contains data concerning changes in the Netherland patent register.	177
<b>Rubriek TVH</b> Bevat gegevens betreffende topografieën van halfgeleiderproducten.	<b>180Heading TVH</b> Contains data concerning depots of original topographies of semi-conductor products.	180



<b>Rubriek UP1</b> Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	<b>181Heading UP1</b> Contains data concerning European patents with registered Unitary Effect.	181
<b>Rubriek UP2</b> Bevat gegevens over Europese octrooien met geregistreerd verzoek ex. artikel 52a (herstel recht op validatie).	<b>182Heading UP2</b> Contains data concerning European patents with registered request ex article 52a (restoration of validation right).	182
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<b>Rubriek UP4</b> Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en geen complete validatie.	<b>184Heading UP4</b> Contains data concerning European patents with accepted request ex article 52a (restoration of validation right) and incomplete validation.	184
<b>Rubriek UP5</b> Bevat gegevens over Europese octrooien met afgewezen verzoek ex. artikel 52a (herstel recht op validatie).	<b>185Heading UP5</b> Contains data concerning European patents with rejected request ex article 52a (restoration of validation right).	185
<b>Rubriek UP6</b> Bevat gegevens over Europese octrooien met ingetrokken verzoek ex. artikel 52a (herstel recht op validatie).	<b>186Heading UP6</b> Contains data concerning European patents with withdrawn request ex article 52a (restoration of validation right).	186

## 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) A01H 1/04 A01G 22/22 (21) 2034377 (22) 20.03.2023 (54) METHOD FOR MARKER-ASSISTED BREEDING OF NEW VARIETIES OF RED RICE BY USING ORYZA OFFICINALIS WALL. INDIGENOUS TO HAINAN PROVINCE (71) Cereal Crops Institute, Hainan Academy of Agricultural Sciences SANYA Institute, Hainan Academy of Agricultural Sciences Haikou Experimental Station, Chinese Academy of Tropical Agricultural Sciences (74) ir. M.B. Plaggenborg (72) LiNan Zhai QingJie Tang FuNeng Xing XiaoWei Yan YiXing Li YiSheng Han HuiJian Wang	APPLICATION THEREOF IN BEE ATTRACTANT (71) Guangxi Institute of Botany, Guangxi Zhuang Autonomous Region and Chinese Academy of Sciences (74) dr. T. Wittop Koning PhD (72) Dianpeng Li Jiatong Ye Aihua Cai Xinghua Hu Huazhen Huo Yunchang Xie Xiaozhen Zhu Tao Deng (31) 202210224878.8 (32) 09.03.2022 (33) China <hr/> (51) A23K 10/30 A23K 50/30 A23K 20/10 (21) 2030509 (22) 12.01.2022 (54) NATURAL PLANT FEED ADDITIVE FOR HEALTH PROTECTION OF MALE BREEDING PIGS AND MANUFACTURING METHOD THEREOF (71) Institute of Animal Husbandry, Heilongjiang Academy of Agricultural Sciences (74) dr. T. Wittop Koning PhD (72) Saihui Wu Heshu Chen Haifeng Zhang Haijuan He Guiwei Li Xiaolong Yu Di Liu Ming Tian Meiyu Qi Zhongqiu Li Xinmiao He Wentao Wang Jiqiao Xia Ziguang Liu Liang Wang Yanzhong Feng	(71) Beijing Technology and Business University Bio-tea Co.Ltd.of Shaanxi Biotech group (74) ir. M.B. Plaggenborg (72) Yan Fu Nasi Ai Tong Gao Wei Dai Fuhang Song Kai Zhang Xiang Liu Honghua Li (31) 202211156412.5 (32) 07.09.2022 (33) China <hr/> (51) A61B 18/02 A61B 5/0215 (21) 2029307 (22) 01.10.2021 (54) Cryoballoon Catheter for Treating Clinical Pulmonary Hypertension (71) Yan'an Affiliated Hospital of Kunming Medical University (74) V. Mellet (72) Hailong Dai Zhicheng Jing (41) 12.04.2023 <hr/> (51) A61F 6/08 (21) 2029286 (22) 30.09.2021 (54) ADJUSTABLE PESSULUM (71) NINGBO COLLEGE OF HEALTH SCIENCES (74) ir. W.J.J.M. Kempes (72) Jing Yang Kena Weng Xiaoyang Chen Caijun Yuan Zhiren Sheng <hr/> (51) A61G 13/12 (21) 2029269 (22) 29.09.2021 (54) Supporting Device for Knee Joint Surgery (71) NINGBO COLLEGE OF HEALTH SCIENCES (74) ir. W.J.J.M. Kempes (72) Jing Yang Hongchang Peng Jie Zhang Jinmei Xu Jianli Hu (41) 06.04.2023 <hr/> (51) A61H 19/00 (21) 2029309 (22) 01.10.2021 (54) STIMULATION DEVICE (71) Vander B.V.
(51) A01K 67/02 (21) 2029277 (22) 29.09.2021 (54) CROSS-BREEDING METHOD OF XINJIANG KAZAKH CATTLE AND WAGYU CATTLE (71) XINJIANG HUALING SANNONG GRASSLAND ANIMAL HUSBANDRY CO., LTD. (74) ir. W.J.J.M. Kempes (72) Hui Cao (41) 06.04.2023 <hr/> (51) A01N 1/02 (21) 2033449 (22) 03.11.2022 (54) ADIPOSE TISSUE CRYOPRESERVATION PROTECTIVE AGENT (71) SHANGHAI NINTH PEOPLE'S HOSPITAL, SHANGHAI JIAOTONG UNIVERSITY SCHOOL OF MEDICINE (74) M. Schmid (72) Shuangbai Zhou Qingfeng Li <hr/> (51) A01N 43/16 C07H 17/07 C07H 1/08 (21) 2032687 (22) 04.08.2022 (54) NEOFLAVONOID OF SIRAITIA GROSVENORII, PREPARATION METHOD THEREOF AND	(51) A23L 33/10 C12N 1/14 C12P 17/16 C07D 241/08 A61K 31/513 A61P 1/16 (21) 2034240 (22) 01.03.2023 (54) KIND OF ALKALOID COMPOUND AND ITS APPLICATION	

(74) ir. H.A. Witmans c.s.	Nan Ge	(71) HaskoningDHV Nederland B.V.
(72) Willem Pennings	Hu Liu	(74) dr. R.C. van Duijvenbode c.s.
(41) 12.04.2023	Hao Rong	(72) Sjoerd Mathijs Kerstens
(51) A61K 36/28	Hongfang Li	Andreas Giesen
A61P 1/16	(41) 12.04.2023	(41) 06.04.2023
A23L 33/105	(51) B28C 7/04	(51) C09K 11/02
(21) 2032689	G01G 19/32	C09K 11/57
(22) 05.08.2022	(21) 2029287	G01N 33/18
(54) MILK THISTLE EXTRACT COMPLEX, PREPARATION METHOD THEREOF AND USE IN PROTECTING LIVER, WHITENING SKIN AND AIDING SLEEP	(22) 30.09.2021	G01N 21/64
(71) Mom's Garden GmbH	(54) Mobile concrete plant for producing concrete	(21) 2034224
(74) dr. T. Wittop Koning PhD	(71) VDW Bouwmaterieel B.V.	(22) 25.02.2023
(72) Naeyoung Kang	(74) ir. H.A. Witmans c.s.	(54) A Preparation Method and Application of Cellulose Based on Fluorescent Functional Material Containing Manganese Complex
(41) 12.04.2023	(72) Roeland Cornelis van Dee	(71) Xinjiang Agricultural University
(51) A61M 16/00	(41) 06.04.2023	(74) dr. A.V. Huygens
(21) 2029275	(51) B29C 59/02	(72) Hongzhi Hu
(22) 29.09.2021	B29C 35/08	Yibo Yan
(54) Portable Isolation Mask for Artificial Respiration	E04F 15/10	Zunqi Liu
(71) NINGBO COLLEGE OF HEALTH SCIENCES	(21) 2029278	Yang Liu
(74) ir. W.J.J.M. Kempes	(22) 29.09.2021	(31) 202210391480.3
(72) Guijuan Liu	(54) Decorative panel and method for producing decorative panel	(32) 14.04.2022
Mingjun Chen	(71) CHAMPION LINK INTERNATIONAL CORPORATION	(33) China
Hongchang Peng	(74) ir. H.Th. van den Heuvel c.s.	(51) E02D 3/10
Suding Fei	(72) Thomas Luc Martine Baert	C09K 17/32
Jing Yang	Tom van Poyer	E02B 11/02
(41) 06.04.2023	Sven Boon	(21) 2029273
(51) A61P 35/00	(51) B60L 53/16	(22) 29.09.2021
A61K 9/51	B60L 50/60	(54) Method for treatment of a soil body
A61K 31/198	(21) 2029281	(71) Baggermaatschappij Boskalis B.V.
A61K 47/02	(22) 30.09.2021	(74) ir. F.A. Geurts c.s.
(21) 2034405	(54) A road vehicle	(72) Sebastiaan Rolf Cornelis Vos
(22) 22.03.2023	(71) DAF Trucks N.V.	Gustav Manfred Dindrag
(54) NANOMETRE TITANIUM DIOXIDE ANTI-TUMOR DRUG WITH PTT/SDT EFFECT	(74) ir. H.A. Witmans c.s.	Jeroen Willem Dijkstra
(71) Changzhou Maternal and Child Health Care Hospital	(72) Johannes Theodorus Bernard Anna Kessels	(41) 06.04.2023
(74) ir. M.B. Plaggenborg	Raymond Martinus Cornelis Maria Wouters	(51) E03F 1/00
(72) Pengfeng Zhu	(41) 06.04.2023	(21) 2029310
Ting Wan	(51) B60N 3/04	(22) 01.10.2021
Haiting Hu	(21) 2029291	(54) Subterranean rainwater storage device
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Huaiyan Wang	(54) CABIN FLOOR MAT	(74) ir. F.A. Geurts c.s.
Lina Zhang	(71) DAF Trucks N.V.	(72) Johannes Zuurmond
(51) B08B 1/04	(74) ir. H.A. Witmans c.s.	Leendert Adrianus Baijense
B08B 13/00	(72) Haro van Galen	(41) 12.04.2023
H02S 40/10	Stuart William Purdy	(51) E04F 15/08
(21) 2031035	(51) B65D 90/02	E04F 15/02
(22) 22.02.2022	B27D 1/04	E04F 13/14
(54) WINTER CLEANING SYSTEM FOR SOLAR PANELS BASED ON PNEUMATIC DRIVE	B27J 1/02	E04F 13/08
(71) Institute of Water Resources for Pastoral Area, MWR	B32B 21/06	(21) 2029282
(74) dr. T. Wittop Koning PhD	(21) 2029301	(22) 30.09.2021
(72) Bo Cheng	(22) 30.09.2021	(54) Decorative panel, in particular a wall, floor or ceiling panel, a surface covering constructed by a multitude of such panels, method of producing such a panel, and a surface covering which is constructed by a multitude of such panels
Ziqi Zhang	(54) SPECIAL BAMBOO FLOOR FOR 45- FOOT AND 53-FOOT CONTAINERS	(71) I4F LICENSING NV
Abias	(71) Longjin Wang	(74) ir. H.Th. van den Heuvel c.s.
Jinrong Li	(74) dr. T. Wittop Koning PhD	(72) Eddy Alberic Boucké
Lingna Jin	(72) Longjin Wang	(51) F02M 26/24
Lei Dong	(41) 06.04.2023	F02M 26/28
Xiumin Tian	(51) C02F 3/00	F02M 26/33
Jian Wang	C02F 1/00	F02M 26/30
Henglu Miao	(21) 2029300	F01P 7/14
	(22) 30.09.2021	F01P 7/16
	(54) Werkwijze voor het decentraal produceren van productwater uit afvalwater afkomstig van riolering	(21) 2029295

(22) 30.09.2021	H02G 9/02	Jelmer Jacob Visser
(54) Exhaust gas recirculation assembly	G01R 31/60	Bihag Anothumakkool
(71) DAF Trucks N.V.	G01R 31/58	(41) 12.04.2023
(74) ir. H.A. Witmans c.s.	G01R 19/155	(51) H02G 1/08
(72) Marc Vincent Christian Evertse	G01R 15/16	(21) 2029268
(51) F04D 29/28	G01V 3/08	(22) 29.09.2021
F04D 29/66	(21) 2029208	(54) Method and a set of tools for ejecting
F04D 29/30	(22) 20.09.2021	internals from a cable, in particular a
(21) 2029293	(54) Inrichting voor het bepalen van positie en	coaxial cable
(22) 30.09.2021	aard van hoofdaders van een hoofdkabel	(71) CXT Invest B.V.
(54) FAN WITH ADJUSTABLE BLADE	(71) HIGH TECH ALLIANCE PROJECTS B.V.	(74) ir. F.A. Geurts c.s.
STRUCTURES	(74) ir. A. Blokland c.s.	(72) Johannes Veldhoen
(71) Microsoft Technology Licensing, LLC	(72) Jelle Adrianus Antonius Jacobs	Elisa Dominese
(74) ir. J.C. Volmer c.s.	Nick Franciscus van de Gevel	Ronald Limburg
(72) Chien Lung Yang	Willem Robert Jan Keeris	(41) 06.04.2023
Todd Alan Chiles	Guillaume Antonius Maria Steyvers	
Bo Dan	(41) 12.04.2023	
(51) F24D 3/10	(51) G06Q 50/06	
(21) 2029289	G06Q 10/04	
(22) 30.09.2021	(21) 2033882	
(54) Drukvatloos	(22) 30.12.2022	
expansieaccomodatiesysteem	(54) Comprehensive Evaluation Method,	
(71) Johannes Jelders	System and Medium for Multi-source	
(74) ir. J.C. Volmer c.s.	New Energy Power Production	
(72) Johannes Jelders	(71) State Grid Gansu Electric Power	
(51) F24S 25/30	Company	
(21) 2033099	Gansu Tongxing Intelligent Technology	
(22) 22.09.2022	Development CO., LTD.	
(54) Een profiel voor het bevestigen van	(74) dr. A.V. Huygens	
zonnepanelen op een ondergrond	(72) Xu Zhang	
(71) ALLIMEX	Jiayu Fu	
(74) J.M.H. Duyver lic.	Yanqiu Ji	
(72) Merlin Bauwens	Yuan Zhang	
Klaas Clerckx	Qingquan Lv	
(41) 06.04.2023	Chang'an He	
(31) BE2021/5763	Yuanfeng Zhang	
(32) 29.09.2021	Jianhua Sun	
(33) Belgium	Diangang Hu	
(51) G01N 1/16	Taibei Guo	
G01N 1/20	Peijun Gou	
G01C 13/00	Lu Wang	
B67B 1/00	(51) H01M 10/0525	
G01N 33/18	H01M 50/454	
(21) 2031903	H01M 10/056	
(22) 18.05.2022	H01M 50/44	
(54) TIDAL WATER SAMPLE COLLECTING	H01M 50/446	
DEVICE	H01M 50/449	
(71) BEIJING NORMAL UNIVERSITY	(21) 2029311	
(74) dr. T. Wittop Koning PhD	(22) 01.10.2021	
(72) Baoshan Cui	(54) Hybrid solid electrolyte and battery	
Yanzi Cai	(71) LionVolt B.V.	
Tian Xie	(74) ir. H.A. Witmans c.s.	
Xia Li	(72) Sandeep Unnikrishnan	
(41) 12.04.2023	Jelmer Jacob Visser	
(51) G01Q 70/04	Bihag Anothumakkool	
(21) 2029303	(51) H01M 10/056	
(22) 01.10.2021	H01M 10/0525	
(54) ACTIVE DITHER BALANCING OF	H01M 50/44	
MOTION STAGE FOR SCANNING	H01M 50/446	
PROBE MICROSCOPY	H01M 50/449	
(71) Nearfield Instruments B.V.	H01M 50/454	
(74) ir. H.A. Witmans c.s.	(21) 2029308	
(72) Massoud Hemmasian Etefagh	(22) 01.10.2021	
Hamed Sadeghian Marnani	(54) Hybrid solid electrolyte and battery	
(41) 12.04.2023	comprising hybrid solid electrolyte	
(51) G01V 3/10	(71) LionVolt B.V.	
H02G 1/00	(74) ir. H.A. Witmans c.s.	
	(72) Sandeep Unnikrishnan	

## 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) A01G 18/00 C12R 1/01	(73) Guangxi Institute of Botany, Guangxi Zhuang Autonomous Region and Chinese Academy of Sciences	G06V 10/75 G16H 20/40 G16H 30/40 G16H 50/20 G06N 3/08
(11) 2032725 (47) 06.04.2023 (22) 10.08.2022	(72) Dianpeng Li Jiatong Ye Aihua Cai	(11) 2032742 (47) 06.04.2023 (22) 12.08.2022
(54) METHOD FOR REDUCING CADMIUM CONTENT IN LENTINULA EDODES MYCELIA UNDER CADMIUM STRESS	Xinghua Hu Huazhen Huo Yunchang Xie Xiaozhen Zhu Tao Deng	(54) A SURGICAL NAVIGATION SYSTEM BASED ON ARTIFICIAL INTELLIGENCE AND GRAPH THEORY ALGORITHM
(73) Henan Agricultural University (72) Yue Shen Xianqing Huang Peijun Zhao Guangshan Zhao Mingwu Qiao Tianlin Wang Shiqiong Wang Qian Li Xiya Zhang Yexuan Mao Tiange Li Qiuyan Zhao Yan Ma Lianjun Song Yinping Wang Ping'an Zhang Ning Li Dan Hai Bei Zhang Yongxia Cheng Meng Dang	(74) dr. T. Wittop Koning PhD (31) 202210224878.8 (32) 09.03.2022 (33) China	(73) Lishui University (72) Yahong Chen (74) ir. M.B. Plaggenborg
(74) ir. M.B. Plaggenborg (31) 202210727425.7 (32) 24.06.2022 (33) China	(51) A23K 10/30 A23K 50/30 A23K 20/10 (11) 2030509 (47) 12.04.2023 (22) 12.01.2022 (54) NATURAL PLANT FEED ADDITIVE FOR HEALTH PROTECTION OF MALE BREEDING PIGS AND MANUFACTURING METHOD THEREOF	(51) A61F 6/08 (11) 2029286 (47) 06.04.2023 (22) 30.09.2021 (54) ADJUSTABLE PESSULUM (73) NINGBO COLLEGE OF HEALTH SCIENCES (72) Jing Yang Kena Weng Xiaoyang Chen Caijun Yuan Zhiren Sheng (74) ir. W.J.J.M. Kempes
(51) A01K 67/02 (11) 2029277 (47) 06.04.2023 (22) 29.09.2021	(73) Institute of Animal Husbandry, Heilongjiang Academy of Agricultural Sciences	(51) A61G 13/12 (11) 2029269 (47) 06.04.2023 (22) 29.09.2021 (54) Supporting Device for Knee Joint Surgery (73) NINGBO COLLEGE OF HEALTH SCIENCES (72) Jing Yang Hongchang Peng Jie Zhang Jinmei Xu Jianli Hu (74) ir. W.J.J.M. Kempes
(54) CROSS-BREEDING METHOD OF XINJIANG KAZAKH CATTLE AND WAGYU CATTLE	(72) Saihui Wu Heshu Chen Haifeng Zhang Haijuan He Guiwei Li Xiaolong Yu Di Liu Ming Tian Meiyu Qi Zhongqiu Li Xinmiao He Wentao Wang Jiqiao Xia Ziguang Liu Liang Wang Yanzhong Feng	(51) A61H 19/00 (11) 2029309 (47) 12.04.2023 (22) 01.10.2021 (54) STIMULATION DEVICE (73) Vander B.V. (72) Willem Pennings (74) ir. H.A. Witmans c.s.
(73) XINJIANG HUALING SANNONG GRASSLAND ANIMAL HUSBANDRY CO., LTD.	(74) dr. T. Wittop Koning PhD	(51) A61K 36/28 A61P 1/16 A23L 33/105 (11) 2032689 (47) 12.04.2023 (22) 05.08.2022
(72) Hui Cao (74) ir. W.J.J.M. Kempes	(51) A61B 18/02 A61B 5/0215 (11) 2029307 (47) 12.04.2023 (22) 01.10.2021	(54) MILK THISTLE EXTRACT COMPLEX, PREPARATION METHOD THEREOF AND USE IN PROTECTING LIVER, WHITENING SKIN AND AIDING SLEEP (73) Mom's Garden GmbH (72) Naeyoung Kang
(51) A01N 43/16 C07H 17/07 C07H 1/08	(54) Cryoballoon Catheter for Treating Clinical Pulmonary Hypertension	
(11) 2032687 (47) 12.04.2023 (22) 04.08.2022	(73) Yan'an Affiliated Hospital of Kunming Medical University	
(54) NEOFLAVONOID OF SIRAITIA GROSVENORII, PREPARATION METHOD THEREOF AND APPLICATION THEREOF IN BEE ATTRACTANT	(72) Hailong Dai Zhicheng Jing (74) V. Mellet	
	(51) A61B 34/10 A61B 34/20 G06T 7/30	

(74) dr. T. Wittop Koning PhD	Lingna Jin	(73) DAF Trucks N.V.
(51) A61M 16/00	Lei Dong	(72) Haro van Galen
(11) 2029275	Xiumin Tian	Stuart William Purdy
(47) 06.04.2023	Jian Wang	(74) ir. H.A. Witmans c.s.
(22) 29.09.2021	Henglu Miao	(51) B65D 90/02
(54) Portable Isolation Mask for Artificial Respiration	Nan Ge	B27D 1/04
(73) NINGBO COLLEGE OF HEALTH SCIENCES	Hu Liu	B27J 1/02
(72) Guijuan Liu	Hao Rong	B32B 21/06
Mingjun Chen	Hongfang Li	(11) 2029301
Hongchang Peng	(74) dr. T. Wittop Koning PhD	(47) 06.04.2023
Suding Fei	(51) B28C 7/04	(22) 30.09.2021
Jing Yang	G01G 19/32	(54) SPECIAL BAMBOO FLOOR FOR 45-FOOT AND 53-FOOT CONTAINERS
(74) ir. W.J.J.M. Kempes	(11) 2029287	(73) Longjin Wang
(51) B01L 1/02	(47) 06.04.2023	(72) Longjin Wang
(11) 2032783	(22) 30.09.2021	(74) dr. T. Wittop Koning PhD
(47) 06.04.2023	(54) Mobile concrete plant for producing concrete	(51) C02F 3/00
(22) 17.08.2022	(73) VDW Bouwmaterieel B.V.	C02F 1/00
(54) A Test Chamber for Simulating the Underground Down-hole Working Environment	(72) Roeland Cornelis van Dee	(11) 2029300
(73) Air Force Medical University of PLA Xi'an University of Science and Technology	(74) ir. H.A. Witmans c.s.	(47) 06.04.2023
(72) Qing Cai	(51) B29C 59/02	(22) 30.09.2021
Siwei Wang	B29C 35/08	(54) Werkwijze voor het decentraal produceren van productwater uit afvalwater afkomstig van riolering
Dayun Feng	E04F 15/10	(73) HaskoningDHV Nederland B.V.
Lei Li	(11) 2029278	(72) Sjoerd Mathijs Kerstens
(74) dr. A.V. Huygens	(47) 06.04.2023	Andreas Giesen
(51) B05B 15/625	(22) 29.09.2021	(74) dr. R.C. van Duijvenbode c.s.
B05B 15/622	(54) Decorative panel and method for producing decorative panel	(51) C05F 5/00
B05B 1/14	(73) CHAMPION LINK INTERNATIONAL CORPORATION	C05G 5/20
(11) 2031113	(72) Thomas Luc Martine Baert	A01G 31/02
(47) 07.04.2023	Tom van Poyer	B08B 3/10
(22) 01.03.2022	Sven Boon	(11) 2032922
(54) IRRIGATION APPARATUS FOR RESTORING HERBACEOUS VEGETATION IN MINE WASTELAND	(74) ir. H.Th. van den Heuvel c.s.	(47) 06.04.2023
(73) Institute of Water Resources for Pastoral Area, MWR	(51) B60G 17/015	(22) 31.08.2022
(72) Hao Rong	A01D 46/20	(54) Mass-Production Comprehensive Vinasse Treatment Process And System
Dan Shan	B60B 35/10	(73) Chih-Yuan Tsou
Tiegang Zhang	(11) 2030154	Chi-Hui Tsou
Jian Wang	(47) 07.04.2023	(72) Shuang Chen
Abiyasi	(22) 16.12.2021	Yongzhong Jin
Nan Ge	(54) High-gap Agricultural Mobile Platform and Operation Method Thereof	Chih-Yuan Tsou
Bo Cheng	(73) Fuzhou University	Chi-Hui Tsou
Henglu Miao	(72) Hao Sun	Tao Yang
(74) ir. W.J.J.M. Kempes	Hui Dong	Xuefei Hu
(31) 202220205864.7	Ben Liu	(74) dr. A.V. Huygens
(32) 25.01.2022	(74) dr. T. Wittop Koning PhD	(31) 20211019359.X
(33) China	(31) 202110087569 .6	(32) 01.09.2021
(51) B08B 1/04	(32) 22.01.2021	(33) China
B08B 13/00	(33) China	(51) E02D 3/10
H02S 40/10	(51) B60L 53/16	C09K 17/32
(11) 2031035	B60L 50/60	E02B 11/02
(47) 12.04.2023	(11) 2029281	(11) 2029273
(22) 22.02.2022	(47) 06.04.2023	(47) 06.04.2023
(54) WINTER CLEANING SYSTEM FOR SOLAR PANELS BASED ON PNEUMATIC DRIVE	(22) 30.09.2021	(22) 29.09.2021
(73) Institute of Water Resources for Pastoral Area, MWR	(54) A road vehicle	(54) Method for treatment of a soil body
(72) Bo Cheng	(73) DAF Trucks N.V.	(73) Baggermaatschappij Boskalis B.V.
Ziqi Zhang	(72) Johannes Theodorus Bernard Anna Kessels	(72) Sebastiaan Rolf Cornelis Vos
Abias	Raymond Martinus Cornelis Maria Wouters	Gustav Manfred Andrag
Jinrong Li	(74) ir. H.A. Witmans c.s.	Jeroen Willem Dijkstra
	(51) B60N 3/04	(74) ir. F.A. Geurts c.s.
	(11) 2029291	(51) E03F 1/00
	(47) 06.04.2023	(11) 2029310
	(22) 30.09.2021	(47) 12.04.2023
	(54) CABIN FLOOR MAT	(22) 01.10.2021
		(54) Subterranean rainwater storage device
		(73) Dyka B.V.



(72) Johannes Zuurmond Leendert Adrianus Baijense	Xin Chen Chuan Lu	Guillaume Antonius Maria Steyvers
(74) ir. F.A. Geurts c.s.	Baoying Ding	(74) ir. A. Blokland c.s.
(51) E04F 15/08	Yao Yang	(51) G01V 99/00
E04F 15/02	Ding Lei	G06F 17/18
E04F 13/14	Yifang Luo	G06T 17/05
E04F 13/08	Boyuan Tao	(11) 2030553
(11) 2029282	(74) ir. W.J.J.M. Kempes	(47) 07.04.2023
(47) 06.04.2023	(31) 202111460047.2	(22) 14.01.2022
(22) 30.09.2021	(32) 02.12.2021	(54) Ore-forming Process Simulation Method and Device for Metallogenic Research Area
(54) Decorative panel, in particular a wall, floor or ceiling panel, a surface covering constructed by a multitude of such panels, method of producing such a panel, and a surface covering which is constructed by a multitude of such panels	(33) China	(73) China University of Geosciences, Beijing
(73) I4F LICENSING NV	(51) F24S 25/30	(72) Leilei Huang
(72) Eddy Alberic Boucké	(11) 2033099	Gongwen Wang
(74) ir. H.Th. van den Heuvel c.s.	(47) 06.04.2023	(74) dr. T. Wittop Koning PhD
(51) F02M 26/24	(22) 22.09.2022	(31) 202110633957.X
F02M 26/28	(54) Een profiel voor het bevestigen van zonnepanelen op een ondergrond	(32) 07.06.2021
F02M 26/33	(73) ALLIMEX	(33) China
F02M 26/30	(72) Merlin Bauwens	(51) H01M 10/0525
F01P 7/14	Klaas Clerckx	H01M 50/454
F01P 7/16	(74) J.M.H. Duyver lic.	H01M 10/056
(11) 2029295	(31) BE2021/5763	H01M 50/44
(47) 06.04.2023	(32) 29.09.2021	H01M 50/446
(22) 30.09.2021	(33) Belgium	H01M 50/449
(54) Exhaust gas recirculation assembly	(51) G01N 1/16	H01M 50/449
(73) DAF Trucks N.V.	G01N 1/20	(11) 2029311
(72) Marc Vincent Christian Evertse	G01C 13/00	(47) 12.04.2023
(74) ir. H.A. Witmans c.s.	B67B 1/00	(22) 01.10.2021
(51) F04D 29/28	G01N 33/18	(54) Hybrid solid electrolyte and battery
F04D 29/66	(11) 2031903	(73) LionVolt B.V.
F04D 29/30	(47) 12.04.2023	(72) Sandeep Unnikrishnan
(11) 2029293	(22) 18.05.2022	Jelmer Jacob Visser
(47) 06.04.2023	(54) TIDAL WATER SAMPLE COLLECTING DEVICE	Bihag Anothumakkool
(22) 30.09.2021	(73) BEIJING NORMAL UNIVERSITY	(74) ir. H.A. Witmans c.s.
(54) FAN WITH ADJUSTABLE BLADE STRUCTURES	(72) Baoshan Cui	(51) H01M 10/056
(73) Microsoft Technology Licensing, LLC	Yanzi Cai	H01M 10/0525
(72) Chien Lung Yang	Tian Xie	H01M 50/44
Todd Alan Chiles	Xia Li	H01M 50/446
Bo Dan	(74) dr. T. Wittop Koning PhD	H01M 50/449
(74) ir. J.C. Volmer c.s.	(51) G01Q 70/04	H01M 50/454
(51) F24D 3/10	(11) 2029303	(11) 2029308
(11) 2029289	(47) 12.04.2023	(47) 12.04.2023
(47) 06.04.2023	(22) 01.10.2021	(22) 01.10.2021
(22) 30.09.2021	(54) ACTIVE DITHER BALANCING OF MOTION STAGE FOR SCANNING PROBE MICROSCOPY	(54) Hybrid solid electrolyte and battery comprising hybrid solid electrolyte
(54) Drukvatloos expansieaccomodatiesysteem	(73) Nearfield Instruments B.V.	(73) LionVolt B.V.
(73) Johannes Jelders	(72) Massoud Hemmasian Etefagh	(72) Sandeep Unnikrishnan
(72) Johannes Jelders	Hamed Sadeghian Marnani	Jelmer Jacob Visser
(74) ir. J.C. Volmer c.s.	(74) ir. H.A. Witmans c.s.	Bihag Anothumakkool
(51) F24F 7/003	(51) G01V 3/10	(74) ir. H.A. Witmans c.s.
F24F 7/06	H02G 1/00	(51) H02G 1/08
F24F 7/10	H02G 9/02	(11) 2029268
F24F 8/22	G01R 31/60	(47) 06.04.2023
(11) 2033105	G01R 31/58	(22) 29.09.2021
(47) 06.04.2023	G01R 19/155	(54) Method and a set of tools for ejecting internals from a cable, in particular a coaxial cable
(22) 22.09.2022	G01R 15/16	(73) CXT Invest B.V.
(54) INTELLIGENT AND EFFICIENT VENTILATION SYSTEM FOR BATHROOM SPACE	G01V 3/08	(72) Johannes Veldhoen
(73) Chongqing University of Science and Technology	(11) 2029208	Elisa Dominese
(72) Wei Liu	(47) 12.04.2023	Ronald Limburg
	(22) 20.09.2021	(74) ir. F.A. Geurts c.s.
	(54) Inrichting voor het bepalen van positie en aard van hoofdadere van een hoofdkabel	
	(73) HIGH TECH ALLIANCE PROJECTS B.V.	
	(72) Jelle Adrianus Antonius Jacobs	
	Nick Franciscus van de Gevel	
	Willem Robert Jan Keeris	

**NP3**

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

**EP1**

**Vertaalde conclusies van Europese octrooiaanvragen.**

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

## EP2

## Voor Nederland verleende Europese octrooien.

## Contains data concerning European patents granted for The Netherlands.

(51) A01B 15/14 A01B 63/112	(47) 12.04.2023 (22) 14.12.2020	(73) Hugo Vogelsang Maschinenbau GmbH (72) Hüdepohl, Nadja
(11) EP3434085 (21) EP18401060.1 (47) 12.04.2023 (22) 16.07.2018	(54) LAND MAINTENANCE SYSTEM AND RELATED METHOD	(31) 102018126118 (32) 19.10.2018 (33) Germany
(54) METHOD FOR ADJUSTING A PULL LINE	(73) Stiga S.p.A. in breve anche St. S.p.A. (72) BANIN, Fabio VALLONE, Varna BENETTI, Enrico LEVER, Nicola SCAPIN, Michele ROBINSON, Sean	(51) A01C 15/00 A01C 7/08 (11) EP3979781 (21) EP20727241.0 (47) 12.04.2023 (87) EP2020063896 10.12.2020 (22) 19.05.2020
(73) Amazonen-Werke H. Dreyer SE & Co. KG (72) Rahe, Florian Laumann, Bernhard Albert, Jörn Rehnen, Pascal	(31) 201900024853 (32) 19.12.2019 (33) Italy	(54) PNEUMATIC SEED OR FERTILISER DISTRIBUTION MACHINE
(31) 102017116592 (32) 24.07.2017 (33) Germany	(51) A01B 79/00 A01D 34/00 G01J 3/00 G01N 21/25	(73) Amazonen-Werke H. Dreyer SE & Co. KG (72) LUEBBEN, Jan-Eike (31) 102019115274 (32) 06.06.2019 (33) Germany
(51) A01B 59/041 (11) EP3935930 (21) EP20185277.9 (47) 12.04.2023 (22) 10.07.2020	(11) EP3837946 (21) EP20213744.4 (47) 12.04.2023 (22) 14.12.2020	(51) A01C 21/00 A01B 79/00 (11) EP3661346 (21) EP18786834.4 (47) 12.04.2023 (87) FR2018051990 07.02.2019 (22) 01.08.2018
(54) BEARING ASSEMBLY FOR A SIDE STABILISER OF A REAR POWER LIFT	(54) LAND INSPECTION SYSTEM AND RELATED METHOD	(54) METHOD FOR INCREASING THE YIELD OF AN AGRICULTURAL PLOT IN RELATION TO A VARIETY OF A SPECIFIC PLANT SPECIES AND DEVICES FOR IMPLEMENTING THIS METHOD
(73) Deere & Company (72) Hildebrand, Sven Heitlinger, Martin	(73) Stiga S.p.A. in breve anche St. S.p.A. (72) BANIN, Fabio VALLONE, Varna BENETTI, Enrico LEVER, Nicola SCAPIN, Michele ROBINSON, Sean	(73) Vilmorin & Cie (72) VERDENAL, Alban RODRIGUEZ, Julien KARAMAN, Zivan (31) 1757359 (32) 01.08.2017 (33) France
(51) A01B 69/04 G05D 1/00 A01B 76/00	(31) 201900024859 (32) 19.12.2019 (33) Italy	(51) A01D 34/00 A01D 34/53 A01D 34/66 A01D 34/73 A01D 43/14 A01D 75/18 (11) EP3991537 (21) EP21205624.6 (47) 12.04.2023 (22) 29.10.2021
(11) EP3932164 (21) EP21181970.1 (47) 12.04.2023 (22) 28.06.2021	(51) A01C 1/06 C09D 133/02 (11) EP4007796 (21) EP19755698.8 (47) 12.04.2023 (87) SK2019050008 04.02.2021 (22) 01.08.2019	(54) INTELLIGENT MOWER SYSTEM
(54) WORKING VEHICLE	(54) SUPERABSORBENT-BASED SUSPENSION SUITABLE FOR HYDROSTIMULATORY COATING OF SEEDS AND A METHOD OF COATING SEEDS WITH THE SUSPENSION	(73) Wuxi Kalman Navigation Technology Co., Ltd. (72) WU, Fei WANG, Shuo ZHU, Haiwei YANG, Yangwen
(73) Iseki & Co., Ltd. (72) KAJINO, Yutaka (31) 2020112879 (32) 30.06.2020 (33) Japan	(73) P E W A S S.R.O. (72) GELINGER, Viktor VALENTIN, Marian HORVÁTH, Ján PETRA, Lukás	(31) 20201193813 (32) 30.10.2020
(51) A01B 71/04 A01B 49/02 (11) EP3649841 (21) EP19202404.0 (47) 12.04.2023 (22) 10.10.2019	(51) A01C 7/08 A01C 7/10 (11) EP3639643 (21) EP19204184.6 (47) 12.04.2023 (22) 18.10.2019	
(54) AGRICULTURAL MACHINE FOR TREATING SOIL	(54) DEVICE FOR DISTRIBUTING BULK MATERIAL WITH A DEVICE FOR DETECTING BLOCKAGES	
(73) Horsch Maschinen GmbH (72) HORSCH, Philipp MECKL, Florian		
(31) 102018219063 (32) 08.11.2018 (33) Germany		
(51) A01B 79/00 A01B 79/02 A01D 34/00 G01J 3/00 G01N 21/25 (11) EP3837945 (21) EP20213719.6		

(33) China	(22) 12.08.2020	(73) Deere & Company
(51) A01D 34/82	(54) ENTRANCE CONTROL MECHANISM	(72) Bharatiya, Paresh
(11) EP3766328	(73) F. Klucznik & Son Limited	Mahajan, Sandeep
(21) EP20184355.4	(72) ALLEN, Robert Edward	Girhe, Manojkumar
(47) 12.04.2023	(31) 201911648	(31) 201816018653
(22) 07.07.2020	(32) 14.08.2019	201762570752 P
(54) HAND-PROPELLED POWER TOOL	(33) United Kingdom	(32) 26.06.2018
(73) Nanjing Chervon Industry Co., Ltd.	(51) A01K 7/02	11.10.2017
(72) ZHU, Guangqian	F04D 1/14	(33) United States of America
GUO, Na	(11) EP3846619	United States of America
YAMAOKA, Toshinari	(21) EP19858583.8	(51) A01M 7/00
NIE, Fangjie	(47) 12.04.2023	(11) EP3308644
ZHANG, Qi	(87) US2019049707	(21) EP17203963.8
(31) 202010268480	12.03.2020	(47) 12.04.2023
201910641003	(22) 05.09.2019	(22) 02.11.2016
(32) 08.04.2020	(54) CENTRIFUGAL PUMP PET WATER	(54) REGULATION AND/OR CONTROL
16.07.2019	FOUNTAIN	SYSTEM FOR AN AGRICULTURAL
(33) China	(73) Radio Systems Corporation	MACHINE
China	(72) SAYERS, Kevin Michael	(73) Amazonen-Werke H. Dreyer SE & Co.
(51) A01D 41/127	STRICKLIN, Cody Lee	KG
A01D 61/00	WHITE, Anita Rechele	(72) GROÙE PRUES, Frank
(11) EP3659421	HUBER, Jonathan William	HEER, Jochen
(21) EP19211296.9	BRUSH, Marc Edward	(31) 102015119145
(47) 12.04.2023	WARD, Eric Alexander	(32) 06.11.2015
(22) 25.11.2019	GIVEN, Grant Matthew	(33) Germany
(54) HARVESTING HEADER WITH	(31) 201862727225 P	(51) A01N 37/06
ADJUSTABLE TRANSVERSE AUGER	(32) 05.09.2018	A61K 36/02
(73) Deere & Company	(33) United States of America	A61K 35/60
(72) Fries, Christina	(51) A01K 61/54	A61K 35/618
Lauer, Friedrich	(11) EP3922098	A61K 35/612
Loutz, Eric	(21) EP21175684.6	A61P 29/00
Klein, Oliver	(47) 12.04.2023	A61K 31/557
Bischoff, Lutz	(22) 25.05.2021	A61K 31/202
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SOEIRO, Sonia	B66B 7/04	MECHANISM FOR JIB
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(51) B66B 1/32	(21) EP19821132.8	(72) HARAUCHI, Yuji
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(47) 12.04.2023	(54) ELEVATOR SYSTEM WITH DERAIL	(51) B66C 23/70
(22) 20.08.2019	PROTECTION	B66C 23/68
(54) ACTIVE BRAKING FOR IMMEDIATE	(73) INVENTIO AG	B66C 23/42
STOPS	(72) BÜTLER, Erich	(11) EP3305712
(73) OTIS Elevator Company	FERRARIO, Paolo	(21) EP16802715.9
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(73) Tadano Ltd.	(32) 28.09.2020	METHOD FOR PREPARING THE SAME
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HATA, Yuki	(51) B81B 3/00	(72) JUNG, Mynghee
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(33) Japan	(47) 12.04.2023	(31) 20160115130
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24.01.2019	(73) General Electric Company	B24B 37/04
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(54) CRANE VEHICLE	KEIMEL, Christopher Fred	C01B 33/149
(73) Tadano Ltd.	AIMI, Marco Francesco	(11) EP3248941
(72) MITANI, Kazuo	MINNICK, Andrew James	(21) EP16740167.8
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B66F 3/24	(51) B81B 7/00	(54) MODIFIED COLLOIDAL SILICA,
B66F 3/46	(11) EP3728108	METHOD OF PRODUCING SAME, AND
B65G 7/02	(21) EP18842788.4	POLISHING AGENT USING SAME
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GEAR	STRUCTURE FOR ASSEMBLING A	(33) Japan
(73) Idler, Udo	COMPONENT HAVING A CASING	(51) C01G 23/00
(72) Idler, Udo	(73) COMMISSARIAT A L'ENERGIE	H01M 4/485
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(32) 28.03.2019	ALTERNATIVES	H01M 10/052
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FORK LIFT TRUCK WITH MULTIPLE	(87) AU2015000257	LEE, Dong Hun
OPERATING MODES	05.11.2015	PARK, Sung Bin
(73) Compagnie Générale des	(22) 01.05.2015	JUNG, Wang Mo
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PLATFORM	(21) EP17848944.9	B01J 21/06
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(22) 30.06.2015	(73) Deltacore GmbH	HAN, Wenmei
(54) METHOD FOR PRODUCING TITANIUM	(72) EL KHIAR, Hakim	LI, Zhiyong
OXIDE FINE PARTICLES	BRANDT, Vili	YAN, Dongcheng
(73) Ishihara Sangyo Kaisha, Ltd.	GLAVINA, Martin	WANG, Lihong
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H01M 4/505	C02F 101/22	(87) FR2018052429
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(21) EP20154668.6	C02F 103/24	(54) MONOLITHIC GLASS CERAMIC SHEET
(47) 12.04.2023	(11) EP3795542	WITH PRESENTING A TEXTURED
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(54) POSITIVE ACTIVE MATERIAL FOR	(47) 12.04.2023	(73) Eurokera S.N.C.
RECHARGEABLE LITHIUM BATTERY,	(22) 16.06.2020	(72) COSTANTINI, Daniele
METHOD OF PREPARING THE SAME	(54) REMOVAL OF CHROMIUM	OZANAM, Cécile
AND RECHARGEABLE LITHIUM	COMPOUNDS FROM CR(VI)-	GUEDON, Thibault
BATTERY INCLUDING THE SAME	CONTAINING AQUEOUS PHASES	LECOMTE, Emmanuel
(73) Samsung SDI Co., Ltd.	(73) LANXESS Deutschland GmbH	(31) 1759332
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Kil, Donghyun	(51) C03B 33/07	(33) France
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H01M 4/525	B32B 17/10	(21) EP18855372.1
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(54) POSITIVE ELECTRODE ACTIVE	23.04.2020	(54) A BACTERIAL BIOCALCIFICATION
MATERIAL AND LITHIUM SECONDARY	(22) 25.09.2019	METHOD FOR PRODUCING
BATTERY COMPRISING THE SAME	(54) LAMINATED GLASS CUTTING	CONSTRUCTION MATERIALS
(73) ECOPRO BM CO., LTD.	SYSTEM AND METHOD FOR CUTTING	(73) Dokuz Eylul Üniversitesi Rektörlüğü
(72) LEE, Chang Woo	LAMINATED GLASS PANELS	Ege Üniversitesi
YU, Hyun Jong	(73) HEGLA GmbH & Co. KG	(72) AKYOL ALTUN, T. Didem
CHOI, Moon Ho	(72) BÖHMER, Peter	KOKTURK, Gulden
(31) 20200131135	REUTER, Stefan	TOKUC, Ayca
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(11) EP3018102	WERNEKE, Mirko	KESKIN GUNDOGDU, Tugba
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(22) 13.06.2014	(32) 15.10.2018	(32) 13.09.2017
(54) Dispositif de contrôle de la mesure de	(33) Germany	(33) Turkey
chlore total d'une station d'épuration	(51) C03C 3/095	(51) C04B 28/14
(73) Vivonic GmbH	C03C 3/112	C04B 14/30
(72) Völker, Manfred	C03C 3/118	E04C 2/04
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B01D 65/02	(54) NON-ALKALI ALUMINUM SILICATE	(54) GYPSUM PANELS, METHODS, AND
(11) EP3201139	GLASS, PREPARATION METHOD	SYSTEMS
(21) EP15787432.2	THEREFOR AND APPLICATION	(73) Georgia-Pacific Gypsum LLC
(47) 12.04.2023	THEREOF	(72) HARRISON, Charles R.
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(54) GAS-GENERATING-AGENT COMPOSITION	B01D 3/00	16306470
(73) Daicel Corporation	B01D 3/06	16306469
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MATSUDA Naoki	C02F 1/26	(32) 17.08.2017
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OVERETT, Matthew James	C11B 9/00	(47) 12.04.2023
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C07C 11/06	(47) 12.04.2023	WANG, Qi-Guan
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(54) A PROCESS FOR CATALYTIC DEHYDROGENATION	(73) MITSUBISHI GAS CHEMICAL COMPANY, INC.	(51) C07C 303/44
(73) Dow Global Technologies Llc	(72) OKAMOTO, Atsushi	C07C 309/15
(72) PRETZ, Matthew T.	YOKOBORI, Umi	C08F 20/58
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C07C 37/055	A01N 25/30	(73) SNF Group
C07C 39/06	C11D 3/30	(72) FAVERO, C�dric
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(73) Katholieke Universiteit Leuven		
(72) SCHUTYSER, Wouter		

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Bayer Pharma Aktiengesellschaft	(32) 27.02.2020	COMPOUND, LIGHT-EMITTING
(72) PLATZEK, Johannes	18.10.2019	MATERIAL, AND LIGHT-EMITTING
(31) 19160906	(33) United States of America	ELEMENT IN WHICH SAME IS USED
(32) 05.03.2019	United States of America	(73) Kyushu University National University
(33) European Patent Office (EPO)	(51) C07D 231/16	Corporation
(51) C07D 215/04	C07D 401/04	Nippon Soda Co., Ltd.
C07C 255/50	C07D 405/04	(72) YASUDA Takuma
C07D 235/08	(11) EP3976590	FURUE Ryuhei
C07D 213/16	(21) EP20804378.6	ISHIHARA Hiroyuki
C07F 9/53	(47) 12.04.2023	FUKUSHIMA Yukio
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(54) ORGANIC MATERIAL FOR AN	CARBOXYLIC ACID	A61K 31/428
ELECTRONIC OPTOELECTRONIC	(73) FMC CORPORATION	A61K 31/429
DEVICE AND ELECTRONIC DEVICE	FMC Agro Singapore Pte. Ltd.	C07D 413/08
COMPRISING THE ORGANIC	(72) CAO, Yanchun	C07D 417/14
MATERIAL	CHEN, Liang	C07D 471/04
(73) Novald GmbH	MAO, Jianhua	C07D 487/04
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GALAN, Elena	(31) 201962931310 P	(21) EP18804794.8
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(54) CRYSTALLINE FORMS OF	A01N 43/52	JIANG, Ji
MESACONINE AND PREPARATION	A01N 43/56	KIM, Soong-Hoon
METHOD THEREFOR	A01N 43/78	WANG, Ying
(73) GOODDOCTOR PHARMACEUTICAL	(11) EP3692029	WU, Gang
GROUP CO., LTD.	(21) EP18782731.6	(31) 201762580064 P
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C07D 401/04	BEAUDEGNIES, Renaud	A61P 29/00
C07D 405/04	RENDINE, Stefano	A61K 31/444
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22.04.2021	(33) European Patent Office (EPO)	(87) US2019023111
(22) 16.10.2020	(51) C07D 401/14	26.09.2019
(54) METHODS FOR THE PREPARATION	C07D 209/82	(22) 20.03.2019
OF 5-BROMO-2-(3-CHLORO-	C07D 241/36	(54) HETEROCYCLIC COMPOUNDS
PYRIDIN-2-YL)-2H-PYRAZOLE-3-	C07D 403/10	COMPRISING PYRIDINE USEFUL AS
CARBOXYLIC ACID	C07D 413/10	MODULATORS OF IL-12, IL-23 AND/OR
	C07D 487/14	IFN ALPHA RESPONSES

(73) Bristol-Myers Squibb Company	(51) C07D 405/06	ZHANG, Hongjun
(72) XIAO, Zili	A61P 3/00	ZHOU, Hua
YANG, Michael G.	A61P 3/10	(31) 201762585737 P
LIU, Chunjian C.	A61P 1/16	(32) 14.11.2017
SHERWOOD, Trevor C.	A61K 31/496	(33) United States of America
GILMORE, John L.	A61K 31/343	<hr/>
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C07D 417/14	25.10.2018	(47) 12.04.2023
C07D 471/04	(22) 18.04.2018	(87) US2019064825
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A61K 31/422	MEDICINAL USE THEREOF	(22) 06.12.2019
A61K 31/428	(73) Pusan National University Industry -	(54) MODULATORS OF TREX1
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C07D 417/12	A61P 37/00	(72) KANG, Zhijun
C07D 417/14	A61P 35/00	DI FRANCESCO, Maria, Emilia
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C07D 471/04	(11) EP3710444	CARROLL, Christopher, Lawrence
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(72) VASBINDER, Melissa Marie	LI, Derun	BET INHIBITOR
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SWINGER, Kerren Kalai	MCGOWAN, Meredith, A.	(72) CHEN, Shili
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(72) QIN, Lan-Ying	(72) WASHBURN, Nathaniel	C08L 5/04
RUAN, Zheming	MEADOR, James, III	A23L 2/52
CHEN, Libing	BOSQUES, Carlos, J.	A23F 5/14
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HSU, Shih-Che	A61P 29/00	(72) RADEMACHER, Christine
(51) C07K 5/087	A61P 35/00	HOGAN, Terrence
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C08F 4/6592	C09D 125/18	C08J 9/00
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(73) Dow Global Technologies LLC	(73) LG CHEM, LTD.	(73) Covestro Intellectual Property GmbH & Co. KG
(72) SENEAL, Todd D.	(72) KANG, Esder	(72) ALBACH, Rolf
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C08F 2/01	C09D 175/04	C09D 175/06
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(73) LG CHEM, LTD.	C09D 167/08	(72) DÖRR, Sebastian
(72) LEE, Tae Chul	C08G 18/42	AVTOMONOV, Evgeny
KIM, Su Hwa	C09D 175/06	ZHU, Yingdan
KIM, No Ma	C08L 61/28	JIN, Chen
KO, Jun Seok	(11) EP3655451	WEI, Winnie
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C08J 3/12	(22) 03.07.2018	28.02.2017
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C08F 210/16	(73) BASF Coatings GmbH	China
C08J 5/18	(72) AFFELDT, Douglas Michael	(51) C08G 18/72
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C08F 4/6592	DECEMBER, Timothy S.	C09D 175/04
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	C08G 18/42	Fukuchi, Takashi
	C08K 5/523	Takeo, Satoshi
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(72) MENYO, Matthew S.	C08G 59/56	C08K 5/09
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C08L 63/00	POLYMER AND CURABLE	(54) CATALYST SYSTEM
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(51) C08G 64/16	(11) EP4028453	(11) EP3464430
C08L 69/00	(21) EP21748810.5	(21) EP17730982.0
G02B 1/04	(47) 12.04.2023	(47) 12.04.2023
C08G 64/30	(87) EP2021069378	(87) US2017033588
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(47) 12.04.2023	(54) METHOD FOR THE PREPARATION OF	(54) METHODS OF IMPROVING
(87) JP2019011826	STABILIZED LIGNINS WITH LARGE	ADHESION OF NON-DI-(2-
03.10.2019	SPECIFIC SURFACE AREA	ETHYLHEXYL)PHTHALATE POLYVINYL
(22) 20.03.2019	(73) SunCoal Industries GmbH	CHLORIDE TO AN ACRYLIC- OR ABS-
(54) POLYCARBONATE RESIN AND	(72) STÜCKER, Alexander	BASED POLYMER
OPTICAL MEMBER CONTAINING	PODSCHUN, Jacob	(73) Baxter International Inc.
SAME	WITTMANN, Tobias	Baxter Healthcare SA
(73) Teijin Limited	KÖHL, Lenz, Aron, Mathis	(72) SEVINC, Zehra Sibel
(72) OYAMA, Tatsuya	(31) 102020134900	LING, Michael Tung Kiung
OGASAWARA, Kazuyoshi	102020208684	(31) 201615173936
UMEKI, Atsushi	(32) 23.12.2020	(32) 06.06.2016
SATO, Keisuke	10.07.2020	(33) United States of America
MATSUI, Manabu	(33) Germany	(51) C08J 5/18
(31) 2018194193	Germany	C08J 3/075
2018069389	(51) C08J 3/22	C08J 9/14
(32) 15.10.2018	C08J 11/04	C08F 220/26
30.03.2018	C08L 51/06	C08K 5/00

C08K 5/053	C08K 5/00	(11) EP3792306
C08K 9/10	C08K 5/52	(21) EP20193956.8
C08F 220/06	C08K 7/14	(47) 12.04.2023
C08J 3/12	C09K 21/12	(22) 01.09.2020
C08J 3/24	(11) EP3487957	(54) SULPHUR LINKABLE NATURAL
(11) EP3708608	(21) EP17740723.6	RUBBER MIXTURE AND VEHICLE
(21) EP18889354.9	(47) 12.04.2023	TYRE
(47) 12.04.2023	(87) EP2017067611	(73) Continental Reifen Deutschland GmbH
(87) KR2018015932	25.01.2018	(72) Kügler, Merle
20.06.2019	(22) 12.07.2017	Geidel, Christian
(22) 14.12.2018	(54) FLAME RETARDANT MIXTURES,	(31) 102019213978
(54) METHOD FOR MANUFACTURING	THE PRODUCTION AND THE USE	(32) 13.09.2019
SUPER ABSORBENT RESIN SHEET	THEREOF	(33) Germany
AND SUPER ABSORBENT RESIN	(73) Clariant International Ltd	<hr/>
SHEET MANUFACTURED THEREBY	(72) BAUER, Harald	(51) C08L 9/00
(73) LG CHEM, LTD.	HÖROLD, Sebastian	C08L 9/06
(72) YOON, Kiyoul	SICKEN, Martin	C08L 25/16
CHOI, Hyeon	(31) 102016213282	C08L 93/00
JOO, Hyosook	(32) 20.07.2016	C08K 5/548
KIM, Gicheul	(33) Germany	B60C 1/00
KIM, Ju Eun	<hr/>	(11) EP3470459
(31) 20180161304	(51) C08K 5/11	(21) EP18196540.1
20170172269	C08K 5/12	(47) 12.04.2023
(32) 13.12.2018	C08K 5/1515	(22) 25.09.2018
14.12.2017	(11) EP3805302	(54) RUBBER COMPOSITION FOR TIRE
(33) Korea (Republic)	(21) EP19819107.4	(73) Sumitomo Rubber Industries, Ltd.
Korea (Republic)	(47) 12.04.2023	(72) WATANABE, Kenya
<hr/>	(87) KR2019006637	(31) 2017198850
(51) C08J 9/00	19.12.2019	(32) 12.10.2017
C08J 9/32	(22) 03.06.2019	(33) Japan
C08J 9/10	(54) PLASTICIZER COMPOSITION AND	<hr/>
C08L 67/04	RESIN COMPOSITION INCLUDING	(51) C08L 23/10
A61F 11/08	THE SAME	C08K 5/43
C08J 9/12	(73) LG CHEM, LTD.	B32B 27/32
(11) EP3472232	(72) KIM, Hyun Kyu	B32B 27/08
(21) EP17737663.9	MOON, Jeong Ju	(11) EP3990539
(47) 12.04.2023	JEONG, Seok Ho	(21) EP20739539.3
(87) US2017037460	CHO, Yun Ki	(47) 12.04.2023
28.12.2017	KIM, Joo Ho	(87) US2020038939
(22) 14.06.2017	(31) 20190063854	30.12.2020
(54) FOAM COMPOSITIONS COMPRISING	20180067038	(22) 22.06.2020
POLYLACTIC ACID POLYMER,	(32) 30.05.2019	(54) COUPLED POST-CONSUMER
POLYVINYL ACETATE POLYMER	11.06.2018	RECYCLED POLYPROPYLENE AND
AND PLASTICIZER, ARTICLES, AND	(33) Korea (Republic)	PROCESS TO PROVIDE SAME
METHODS OF MAKING AND USING	Korea (Republic)	(73) Dow Global Technologies LLC
SAME	<hr/>	(72) HENSCHKE, Olaf
(73) 3M Innovative Properties Company	(51) C08L 1/02	(31) 201962868597 P
(72) FISHMAN, Joshua M.	C08L 23/06	(32) 28.06.2019
MEREE, Caitlin E.	(11) EP3861064	(33) United States of America
ZHOU, Ning	(21) EP19769163.7	<hr/>
DEHN, Derek J.	(47) 12.04.2023	(51) C08L 23/12
YOUNG, Jacob D.	(87) EP2019074836	C08L 23/14
EMSLANDER, Jeffrey O.	09.04.2020	C08L 23/16
GIVOT, Bradley L.	(22) 17.09.2019	(11) EP3484955
HEDEGAARD, Aaron T.	(54) FLEXIBLE PACKAGING FILM	(21) EP17743182.2
BOLTON, Justin M.	COMPRISING NANOCELLULOSE	(47) 12.04.2023
HOBBS, Terry R.	(73) Unilever IP Holdings B.V.	(87) US2017041950
ALI, Mahfuza B.	(72) DAS, Sandip	25.01.2018
COFFIN, Robert C.	KURUGANTI, Thejaswi, Sessa	(22) 13.07.2017
KOLB, Brant U.	MHASKE, Shashank, Tejrao	(54) POLYOLEFIN COMPATIBILIZER
PENNINGTON, Paul D.	SHETH, Parth,Nitin	COMPOSITION FOR COMPOUNDING
BARAN, Jimmie R. Jr.	(31) 18198387	TO IMPROVE STIFFNESS AND IMPACT
FANSLER, Duane D.	(32) 03.10.2018	BALANCE
LIN, Ying	(33) European Patent Office (EPO)	(73) Equistar Chemicals LP
(31) 201662352633 P	<hr/>	(72) KRAMB, Ryan
(32) 21.06.2016	(51) C08L 7/00	SMITH, Jeanine, A.
(33) United States of America	B60C 1/00	CECCARANI, Fabio
<hr/>	C08K 3/36	(31) 201662363704 P
(51) C08K 3/32	C08K 5/098	(32) 18.07.2016
C08K 3/38	C08K 5/101	(33) United States of America
	C08K 5/548	<hr/>
		(51) C08L 23/14

C08L 23/04	C08G 18/76	(54) METHOD FOR PRODUCING
(11) EP3790929	C08G 18/79	PARTICULATE CARBONACEOUS
(21) EP19721308.5	C08K 3/22	MATERIAL FROM RENEWABLE RAW
(47) 12.04.2023	C08K 5/00	MATERIALS
(87) EP2019061689	C08K 5/372	(73) SunCoal Industries GmbH
14.11.2019	H01L 23/29	(72) WITTMANN, Tobias
(22) 07.05.2019	(11) EP3604445	BERGEMANN, Klaus
(54) HETEROPHASIC POLYPROPYLENE	(21) EP18777260.3	(31) 102016201801
WITH PROPYLENE HEXENE RANDOM	(47) 12.04.2023	102015015550
COPOLYMER AS MATRIX	(87) JP2018003865	102015015549
(73) Borealis AG	04.10.2018	102015014956
(72) GAHLEITNER, Markus	(22) 05.02.2018	(32) 05.02.2016
WANG, Jingbo	(54) POLYURETHANE RESIN	29.11.2015
BERNREITNER, Klaus	COMPOSITION AND SEALED OBJECT	29.11.2015
LESKINEN, Pauli	(73) Dai-ichi Kogyo Seiyaku Co., Ltd.	21.11.2015
LILJA, Johanna	(72) KANAI, Azusa	(33) Germany
(31) 18171561	ISHINO, Mana	Germany
(32) 09.05.2018	(31) 2017067361	Germany
(33) European Patent Office (EPO)	(32) 30.03.2017	Germany
(51) C08L 33/08	(33) Japan	(51) C09D 5/02
C08L 51/04	(51) C08L 77/02	C09D 5/14
C08F 220/18	C08L 77/06	C09D 183/04
C08F 220/44	C08K 7/14	C09G 3/00
C08F 222/40	(11) EP3927772	(11) EP3921375
C08L 33/12	(21) EP20704543.6	(21) EP19703707.0
C08L 35/00	(47) 12.04.2023	(47) 12.04.2023
(11) EP3778762	(87) EP2020054141	(87) EP2019052849
(21) EP19900029.0	27.08.2020	13.08.2020
(47) 12.04.2023	(22) 18.02.2020	(22) 06.02.2019
(87) KR2019016522	(54) THERMOPLASTIC MOULDING	(54) GLIDE AGENT
25.06.2020	MATERIAL	(73) GIGAGLIDE Surface Technologies
(22) 28.11.2019	(73) BASF SE	GmbH
(54) THERMOPLASTIC RESIN	(72) CREMER, Jens	(72) KUMMERER, Robert
COMPOSITION	SPIES, Patrick	(51) C09D 5/32
(73) LG CHEM, LTD.	(31) 19158330	C09D 7/48
(72) PARK, Jung Tae	(32) 20.02.2019	C08K 5/00
LEE, Dae Woo	(33) European Patent Office (EPO)	(11) EP3152264
SEO, Jae Bum	(51) C09B 5/62	(21) EP15806558.1
KIM, Gyu Sun	B41M 3/14	(47) 12.04.2023
JANG, Ji Uk	C09B 67/22	(87) SG2015050149
(31) 20180167572	(11) EP3816238	17.12.2015
(32) 21.12.2018	(21) EP19206998.7	(22) 09.06.2015
(33) Korea (Republic)	(47) 12.04.2023	(54) METAL COMPLEXES
(51) C08L 67/02	(22) 04.11.2019	(73) Agency for Science, Technology and
C08K 5/00	(54) POLYPARAPERYLENE DERIVATIVES	Research
C08L 77/00	AND METHODS FOR MAKING SAME	(72) ZONG, Yun
(11) EP3415564	(73) TEXTILCHEMIE DR. PETRY GMBH	LI, Xu
(21) EP17750269.7	(51) C09B 67/22	HOR, T. S. Andy
(47) 12.04.2023	D06P 3/32	LUM, Regina
(87) JP2017004502	D06P 1/39	CHIENG, Yu Yuan
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(22) 08.02.2017	(21) EP17183704.0	(32) 09.06.2014
(54) POLYESTER ELASTOMER RESIN	(47) 12.04.2023	(33) Singapore
COMPOSITION HAVING EXCELLENT	(22) 28.07.2017	(51) C09D 11/037
GREASE RESISTANCE	(54) NOVEL "WATER BASED" YELLOW	C09D 11/322
(73) TOYOBO CO., LTD.	DYEING SYSTEM FOR FINISHING	C09K 11/06
(72) AKAISHI Takuya	APPLICATION	B42D 25/387
MAEDA Yuki	(73) Stahl International B.V.	C09D 11/50
YAMANE Ryouhei	(72) GARG, Rahul	(11) EP3783072
(31) 2016022527	SAMEL, Amarish	(21) EP18855472.9
(32) 09.02.2016	(51) C09C 1/48	(47) 12.04.2023
(33) Japan	C09C 1/56	(87) JP2018021241
(51) C08L 75/04	C09K 23/00	21.03.2019
C08K 3/00	(11) EP3682965	(22) 01.06.2018
C08K 5/375	(21) EP20160400.6	(54) INK COMPOSITION, PRINTED
C09K 3/10	(47) 12.04.2023	PRODUCT, AND AUTHENTICITY
C09K 15/14	(22) 18.11.2016	DETERMINATION METHOD
C08G 18/36		(73) Dai Nippon Printing Co., Ltd.

(72) AOYAMA, Yuko SATO, Jun MURAKAMI, Fumiyasu OKADA, Masato YOSHIHARA, Toshio HASEGAWA, Yasuchika NAKANISHI, Takayuki	(54) ANTI-FOULING COATING COMPOSITION, OPTICAL MEMBER, AND LIGHTING DEVICE	(54) INJECTION FLUIDS COMPRISING ALKOXYLATED ALCOHOLS AND THE USE OF SUCH FLUIDS IN OIL RECOVERY PROCESSES
(31) 2017178248	(73) Panasonic Intellectual Property Management Co., Ltd.	(73) Sasol Chemicals GmbH
(32) 15.09.2017	(72) OKUMURA, Shin HONJO, Kazuhiko UCHIYAMA, Shuhei	(72) ROMMERSKIRCHEN, Renke SOTTMANN, Thomas BILGILI, Harun FISCHER, Julian
(33) Japan	(31) 2018085833	(31) 19158014
(51) C09D 11/326	(32) 26.04.2018	(32) 19.02.2019
C09D 11/38	(33) Japan	(33) European Patent Office (EPO)
C09D 11/40	(51) C09J 9/02	(51) C09K 11/02
C09D 11/54	(11) EP3835383	C09K 11/70
(11) EP3966292	(21) EP19216097.6	C09K 11/56
(21) EP20720470.2	(47) 12.04.2023	H05B 33/14
(47) 12.04.2023	(22) 13.12.2019	C09K 11/88
(87) EP2020061671	(54) ONE COMPONENT (1K) CURABLE ADHESIVE COMPOSITION	(11) EP3938464
12.11.2020	(73) Henkel AG & Co. KGaA	(21) EP20709585.2
(22) 28.04.2020	(72) Stapf, Stefanie Brunstedt, Benjamin Gutiérrez Díaz, Jordán Moeller, Thomas	(47) 12.04.2023
(54) AQUEOUS INKJET INK COMPRISING A RESIN	(73) AGFA NV	(87) EP2020056282
(73) AGFA NV	(72) LOCCUFIER, Johan DECOSTER, Luc	17.09.2020
(72) LOCCUFIER, Johan DECOSTER, Luc	(51) C09J 123/14	(22) 10.03.2020
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(32) 06.05.2019	(21) EP11767213.9	(73) Merck Patent GmbH
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C09D 11/322	(54) BONDING WITH MELT ADHESIVE	(51) C09K 11/06
B41M 5/00	(73) Henkel AG & Co. KGaA	G01N 21/64
B41J 2/01	(72) LOTZ, Jürgen KASPER, Dirk PIELERT, Lutz	C12Q 1/04
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(22) 13.01.2017	(11) EP3775091	(22) 21.09.2017
(54) PRETREATMENT SOLUTION, INK SET AND METHOD FOR PRODUCING PRINTED MATTER	(21) EP19723293.7	(54) METHOD, ARRANGEMENT, COMPUTER PROGRAM PRODUCT AND SENSOR FOIL FOR DETECTING MICROORGANISMS ON A SURFACE
(73) Toyo Ink SC Holdings Co., Ltd. Toyocolor Co., Ltd.	(47) 12.04.2023	(73) PreSens Precision Sensing GmbH
(72) OKAMOTO Mayuko YODA Atsushi SUZUKI Yoshihito JONAI Kazuhiro	(87) US2019029777	(72) LIEBSCH, Gregor STANGELMAYER, Achim MEIER, Robert
(31) 2016006000	07.11.2019	(31) 16198160
(32) 15.01.2016	(22) 30.04.2019	16189897
(33) Japan	(54) STABILIZED FLUOROOLEFIN COMPOSITIONS AND METHODS FOR THEIR PRODUCTION, STORAGE AND USAGE	(32) 10.11.2016
(51) C09D 153/00	(73) The Chemours Company FC, LLC	21.09.2016
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C09D 7/61	(32) 30.04.2018	B01J 8/26
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F21V 8/00	C09K 8/594	(11) EP3630924
F21Y 115/10	E21B 43/16	(21) EP18726652.3
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(22) 22.04.2019	(22) 18.02.2020	(73) Saudi Arabian Oil Company (72) AL-GHAMDI, Sameer A. AL-BOGAMI, Saad

BOURANE, Abdenmour	(21) EP17726425.6	(51) C12M 1/00
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(33) United States of America	(54) NITROGEN-FREE PHOSPHORUS	(47) 12.04.2023
United States of America	COMPOUNDS AND LUBRICANTS	(87) GB2013053216
(51) C10G 47/00	CONTAINING THE SAME	17.07.2014
C10G 69/04	(73) The Lubrizol Corporation	(22) 05.12.2013
C10G 69/06	(72) ABRAHAM, William D.	(54) PHOTOBIOREACTOR
C10G 7/06	HUSSAIN, Mahmud M.	(73) Industrial Phycology Limited
C10G 9/36	WOLLENBERG, Kurt F.	(72) MURRAY, Daniel
C10G 11/18	(31) 201662338753 P	(31) 201300323
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(54) PROCESS FOR CONVERSION OF	(87) US2010032069	30.06.2016
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AND FUEL PRODUCTS INTEGRATING	(22) 22.04.2010	(54) CULTURE CONTAINER AND METHOD
STEAM CRACKING AND FLUID	(54) SYSTEM AND METHOD OF MODELING	FOR MANUFACTURING CULTURE
CATALYTIC CRACKING	MONO-GLYCERIDES, DI-GLYCERIDES	CONTAINER
(73) Saudi Arabian Oil Company	AND TRYGLYCERIDES IN BIODIESEL	(73) Toyo Seikan Group Holdings, Ltd.
(72) AL-GHAMDI, Mohammed, Saeed	FEEDSTOCK	(72) TOTANI, Takahiko
BAHAMMAM, Bader	(73) AspenTech Corporation	TANAKA, Satoshi
AL OSAIMI, Naif	(72) ZONG, Li	(31) 2014261643
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(51) C10G 55/04	25.02.2021	BENZYLISOQUINOLINE ALKALOIDS
(11) EP3328967	(22) 20.08.2020	(73) The Board of Trustees of the Leland
(21) EP16747977.3	(54) DETERGENT SOLID COMPOSITION	Stanford Junior University
(47) 12.04.2023	(73) Unilever IP Holdings B.V.	(72) SMOLKE, Christina D.
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(22) 27.07.2016	François	THODEY, Catherine
(54) INTEGRATED ENHANCED SOLVENT	BATCHELOR, Stephen, Norman	LI, Yanran
DEASPHALTING AND COKING	(31) 19192833	(31) 201562174475 P
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(72) KOSEOGLU, Omer, Refa	19192827	(33) United States of America
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C10N 10/04	21.08.2019	(47) 12.04.2023
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C10N 40/20	European Patent Office (EPO)	DERIVED STEM CELLS AND METHOD
C10N 40/25	European Patent Office (EPO)	FOR PRODUCING THE SAME
C10N 60/14	European Patent Office (EPO)	(73) Novadip Biosciences
(11) EP3458553	European Patent Office (EPO)	(72) DUFRANE, Denis

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(32) 04.01.2019	(11) EP3794297	GRIMAUD, Cyrille
(33) China	(21) EP19732468.4	GRIMAUD, Louane
(51) F25D 25/02	(47) 12.04.2023	(31) 2014038
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(21) EP20193617.6	(54) INCUBATOR COMPRISING A PCM-	(11) EP3994418
(47) 12.04.2023	BASED HEAT EXCHANGER	(21) EP20701789.8
(22) 31.08.2020	(73) ECOLE POLYTECHNIQUE FEDERALE	(47) 12.04.2023
(54) REFRIGERATOR	DE LAUSANNE (EPFL)	(87) EP2020052252
(73) Arçelik Anonim Sirketi	(72) MICHAUD, Véronique	11.03.2021
(72) MET, Aylin	FUENTES VALENZUELA, Lucas	(22) 30.01.2020
AVCI, Cem	HAUSSENER, Sophia	(54) PROTECTIVE ITEM IN THE FORM
YILMAZ, Nihal	GANI, Matthieu	OF PROTECTIVE CLOTHING WITH
INANC, Enes	ROULIN, Marc	SPLINTER, PUNCTURE AND/OR CUT
YILDIRIM, Ihsan Ozan	JODLOWSKI, Tomasz	PROTECTION PROPERTIES, THE
(31) 201913428	(31) PCT/IB2018/053457	PROTECTIVE ITEM COMPRISING
(32) 05.09.2019	(32) 17.05.2018	OR CONSISTING OF AT LEAST ONE
(33) Turkey	(33) World Intellectual Property Office (WIPO)	TEXTILE PLANAR MATERIAL WITH
(51) F25J 1/00	(51) F28D 1/03	SPLINTER, PUNCTURE AND/OR CUT
F25J 1/02	F28F 3/04	PROTECTION PROPERTIES.
F04B 25/00	F28F 21/04	(73) Blücher GmbH
F04C 23/00	F28F 1/16	(72) BAGGEN, Brigitte
F04B 41/06	F28D 1/053	VOGT, Sarah
F04D 17/10	F28F 13/08	(31) PCT/EP2020/051301
F04D 25/16	F28F 9/02	PCT/EP2019/025294
F04C 18/16	(11) EP3575722	(32) 20.01.2020
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(54) PARALLEL COMPRESSION IN	(22) 29.01.2018	F02C 6/20
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(72) WEHRMAN, Joseph Gerard	(32) 30.01.2017	(54) PARALLEL COMBUSTOR
KRISHNAMURTHY, Gowri	(33) Japan	CONFIGURATION FOR UNMANNED
(31) 201514870557	(51) F28D 7/00	UNDERWATER VEHICLE PROPULSION
(32) 30.09.2015	F28D 7/02	TURBINE
(33) United States of America	F28D 9/00	(73) Hamilton Sundstrand Corporation
(51) F26B 25/00	F28F 3/02	(72) HIMMELMANN, Richard A.
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H02K 49/10	(47) 12.04.2023	(33) United States of America
B65G 47/82	(22) 31.10.2018	(51) G01B 7/012
B65G 65/00	(54) CURVED HEAT EXCHANGER	(11) EP4024004
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(47) 12.04.2023	MAYO, Luka J.	(22) 22.12.2021
(87) JP2015078576	LOOKWOOD, William T.	(54) INDUCTIVE POSITION SENSOR
06.05.2016	(31) 201815862211	SIGNAL GAIN CONTROL FOR

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(73) Mitutoyo Corporation	G01C 21/16	SEIBOLD, Aaron
(72) HAMNER, Christopher Richard	G01C 21/28	(31) 201462055791 P
HARSILA, Scott Allen	G01C 23/00	(32) 26.09.2014
HEMMINGS, Scott Ellis	G01S 19/49	(33) United States of America
PATZWALD, Andrew Michael	G01S 19/52	(51) G01D 5/347
(31) 202017139592	G01V 7/16	G01D 5/24
(32) 31.12.2020	(11) EP3786579	G01B 21/02
(33) United States of America	(21) EP19841833.7	(11) EP3798580
(51) G01B 7/16	(47) 12.04.2023	(21) EP20192557.5
G01B 11/16	(87) JP2019022094	(47) 12.04.2023
G01M 5/00	30.01.2020	(22) 25.08.2020
G01B 7/14	(22) 04.06.2019	(54) METHOD FOR MANUFACTURING A MEASURING HEAD HOUSING, COVER AND MEASURING HEAD HOUSING
G01B 11/02	(54) GEOID MEASUREMENT METHOD, GEOID MEASUREMENT APPARATUS, GEOID ESTIMATION DEVICE, AND GEOID CALCULATION DATA COLLECTION DEVICE	(73) Robert Bosch GmbH
(11) EP3775757	(73) JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED	(72) Schuler, Stefan
(21) EP19719543.1	TOKYO INSTITUTE OF TECHNOLOGY	(31) 102019214643
(47) 12.04.2023	(72) KOZUMA, Mikio	(32) 25.09.2019
(87) FR2019000041	INOUE, Ryotaro	(33) Germany
03.10.2019	HOSOYA, Toshiyuki	(51) G01D 5/353
(22) 28.03.2019	TANAKA, Atsushi	G02B 6/12
(54) METHOD FOR MEASURING THE STRUCTURAL STATE OF A BUILDING	(31) 2018138406	G02B 6/28
(73) Perennea Developpement	(32) 24.07.2018	G02B 6/42
(72) JALABERT, Jean-Luc	(33) Japan	(11) EP3948168
ADELL, Jessy	(51) G01C 21/34	(21) EP20768084.4
(31) 1852696	G01C 21/36	(47) 12.04.2023
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(33) France	G06Q 50/30	12.11.2020
(51) G01B 11/27	G08G 1/00	(22) 06.05.2020
G01N 21/95	G08G 1/0968	(54) DEVICE FOR DISTRIBUTING A SIGNAL WITH A VIEW TO MEASURING WAVELENGTH SHIFTS
G01B 11/00	(11) EP3588008	(73) Commissariat à l'Énergie Atomique et aux Énergies Alternatives
G01N 21/84	(21) EP19181182.7	SAFRAN
G01B 11/25	(47) 12.04.2023	(72) LABEYE, Pierre
(11) EP3598110	(22) 19.06.2019	LAFFONT, Guillaume
(21) EP17900400.7	(54) AUTOMATED-TAXI THAT PROPOSES ALTERNATE-DESTINATION TO OPTIMIZE ROUTE	(31) 1904783
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(72) YOSHIDA, Takumi	27.06.2018	(47) 12.04.2023
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(32) 13.03.2017	United States of America	(54) OPTICAL POSITIONING DEVICE
(33) Japan	(51) G01D 5/12	(73) Dr. Johannes Heidenhain GmbH
(51) G01B 21/08	G01L 3/00	(72) SPECKBACHER, Peter
(11) EP3907501	G01R 33/02	SEDLMEIER, Wolfgang
(21) EP20751917.4	G01R 33/00	FUNK, Stefan
(47) 12.04.2023	G01D 5/244	SCHWABE, Moritz
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(54) THICKNESS MEASUREMENT METHOD, THICKNESS MEASUREMENT DEVICE, DEFECT DETECTION METHOD, AND DEFECT DETECTION DEVICE	(21) EP15844184.0	(51) G01D 21/00
(73) Panasonic Intellectual Property Management Co., Ltd.	(47) 12.04.2023	G01F 15/00
(72) IRIE, Yousuke	(87) US2015052161	G01F 15/02
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(73) Endress+Hauser Flowtec AG	E03C 1/122	G01J 3/50
(72) WILHELM, Thomas	G01D 4/00	H04N 5/232
FINK, Nikolai	G01D 9/00	H04N 5/225
DRAHM, Wolfgang	G06Q 50/06	H04N 5/369
RIEDER, Alfred	(11) EP3705855	H04N 5/235
KLÖFER, Peter	(21) EP20160090.5	(11) EP3399288
MOORE, Thomas	(47) 12.04.2023	(21) EP18170252.3
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(32) 01.12.2017	(54) METHOD FOR DETERMINING LIQUID CONSUMPTION OF A PLURALITY OF LIQUID CONSUMERS	(22) 01.05.2018
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(51) G01F 1/36	(72) FISCHER, Timo	(73) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
G01F 25/00	(31) 102019105946	(72) CHENG, Jiao
G01F 1/50	(32) 08.03.2019	(31) 201710305891
G01F 25/10	(33) Germany	(32) 03.05.2017
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MILLER, John P.	(22) 06.05.2020	(22) 03.02.2015
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(54) FLOW METER, SENSOR UNIT AND METHOD FOR MANUFACTURING A FLOW METER	G01F 1/84	G01J 5/0802
(73) Krohne AG	G01F 25/00	G01J 5/10
(72) Elenbaas, Jacco	(11) EP3811038	G02B 5/28
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(22) 08.05.2018	(33) United States of America	SHIBAYAMA Katsumi
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(73) Endress+Hauser Flowtec AG	G01J 1/04	KAWAI Toshimitsu
(72) HUBER, Christof	G01S 3/782	YASHIRO Takehiko
SCHÜTZE, Christian	G01J 1/42	MINENO Mitsushi
MUNDSCHIN, Dieter	G01S 3/786	SUZUKI Shigeru
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WITH SAME	B60G 17/018	(51) G01N 3/42
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(72) NITHEANANDAN, Thambiyah	B60W 40/10	(21) EP20744093.4
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(47) 12.04.2023	FOR SUPPRESSING VEHICLE BODY	WAWRYSZCZUK, Jan
(22) 16.08.2017	VIBRATION USING SAME	(31) 42987819
(54) DEVICE AND METHOD FOR	(73) Nissan Motor Co., Ltd	(32) 09.05.2019
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SIZE	NAWANO Masaaki	(51) G01N 9/26
(73) Ergon International GmbH	KOBAYASHI Yosuke	G01F 1/74
(72) Arnold, Franc	NAKAMURA Tamaki	(11) EP2880417
Wintergerst, Götz	(31) 2010189067	(21) EP12746220.8
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(33) Germany	Japan	DETERMINATION OF A
Germany	Japan	MULTI-COMPONENT FLUID
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G01D 11/24	G01N 1/28	INCOMPRESSIBLE COMPONENTS
G01L 19/06	G01N 27/62	(73) Micro Motion, Inc.
G01L 19/14	G01N 35/10	(72) SCHOLLENBERGER, Frederick Scott
G01M 3/24	G01N 1/32	WEINSTEIN, Joel
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(54) SYSTEMS AND METHODS	(21) EP15833717.0	(21) EP17794848.6
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(72) HRINA, Lubos	ANALYSIS DEVICE AND ANALYSIS	REFLECTOR
BOMBERA, Mojmir	METHOD	(73) Honeywell International Inc.
ADAMEK, Jan	(73) las Inc.	(72) FRITZ, Bernard
WATTS, Rodney Royston	Shin-Etsu Handotai Co., Ltd.	MARTA, Teresa
SLAMKA, Martin	(72) KAWABATA, Katsuhiko	LANGNESS, Chad
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F04B 43/00	(33) Japan	G01N 21/88
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F04B 53/22	G01N 35/00	G01J 3/02
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PROTECTION	(22) 25.02.2019	G01N 21/84
(73) Northern Tool & Equipment Company	(54) COVERSLIPPING MACHINE	G01N 21/94
Inc.	(73) Leica Biosystems Nussloch GmbH	B07C 5/00
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OLDENBURG, Bradley	LASER INDUCED BREAKDOWN (LIBS)	(73) Nikon Corporation
GUTHRIE, Simon	TECHNIQUE	(72) YASHIMA, Hirotomo
STORK, Timothy M.F.	(73) The Boeing Company	MICHIMOTO, Takahiro
OSIKA, Ewa	(72) SHEN, Xuejing	SAKAGUCHI, Naoshi
LIZIUS, David William	LIN, Ying	<hr/>
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(72) Kasiutich, Vasili	G01N 21/05	B29C 70/38
Lopez, Martin	(11) EP2469267	B29C 70/54
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(11) EP2834622	(72) Trygstad, W., Marcus	(73) The Boeing Company
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(72) KUNIYOSHI, Futoshi (31) 2019176506 2019056142 (32) 27.09.2019 25.03.2019 (33) Japan Japan	(54) A HYBRID SWITCHING APPARATUS OF THE WITHDRAWABLE TYPE (73) ABB S.p.A. (72) DEGLI INNOCENTI, Luigi Arturo ROSA, Francesco BERGAMINI, Alessio OMATI, Luca	(54) MAGNETIC LATCHING RELAY CAPABLE OF ACCURATELY POSITIONING MAGNETIC CIRCUIT (73) Xiamen Hongfa Electric Power Controls Co., Ltd. (72) ZHONG, Shuming DAI, Wenguang LIAO, Guojin (31) 201611189010 201611051896 201611051945 (32) 21.12.2016 25.11.2016 25.11.2016 (33) China China China
(51) H01F 27/08 H01F 27/28 H01F 30/10 H01F 27/32 (11) EP3580770 (21) EP18708595.6 (47) 12.04.2023 (87) EP2018053180 16.08.2018 (22) 08.02.2018 (54) AIR-COOLED DRY-TYPE TRANSFORMER (73) Hitachi Energy Switzerland AG (72) TEPPER, Jens WANG, Yong (31) 102017102436 (32) 08.02.2017 (33) Germany	(51) H01H 9/44 H01H 9/36 H01H 9/46 (11) EP3602593 (21) EP18708398.5 (47) 12.04.2023 (87) EP2018054940 27.09.2018 (22) 28.02.2018 (54) SWITCH DEVICE WITH IMPROVED PERMANENT MAGNETIC ARC EXTINCTION (73) Schaltbau GmbH (72) KRALIK, Robert (31) 102017106300 (32) 23.03.2017 (33) Germany	(51) H01H 71/04 H01H 1/20 H01H 1/00 (11) EP2960923 (21) EP15173735.0 (47) 12.04.2023 (22) 25.06.2015 (54) SWITCHING ARRANGEMENT (73) TE Connectivity Germany GmbH (72) Kroeker, Matthias Lindner, Christian Koch, Harry (31) 102014212132 (32) 25.06.2014 (33) Germany
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              Germany                  Germany                  (51) H01L 21/02                  H01L 21/3213                  C11D 3/00                  C11D 3/04                  C11D 3/39                  C11D 3/43                  (11) EP3599634                  (21) EP19188673.8                  (47) 12.04.2023                  (22) 26.07.2019                  (54) COMPOSITION FOR TITANIUM                  NITRIDE HARD MASK REMOVAL AND                  ETCH RESIDUE CLEANING                  (73) Versum Materials US, LLC                  (72) Chao-Hsiang, Chen                  Lee, Yi-Chia                  Wen Dar, Liu                  Chung-Yi, Chang                  (31) 201916516405                  201862703603 P                  (32) 19.07.2019                  26.07.2018                  (33) United States of America                  United States of America                  (51) H01L 21/223                  B82Y 40/00                  (11) EP3787998                  (21) EP19796207.9                  (47) 12.04.2023                  (87) AU2019050406                  07.11.2019                  (22) 02.05.2019</p>	<p>(54) A METHOD FOR SELECTIVE                  INCORPORATION OF DOPANT ATOMS                  IN A SEMICONDUCTIVE SURFACE                  (73) Silicon Quantum Computing Pty Ltd                  (72) SIMMONS, Michelle                  KEIZER, Joris                  (31) 2018901480                  (32) 02.05.2018                  (33) Australia                  (51) H01L 21/67                  H01L 21/683                  (11) EP3761349                  (21) EP20184039.4                  (47) 12.04.2023                  (22) 03.07.2020                  (54) METHOD FOR MANUFACTURING                  SEMICONDUCTOR MODULES                  FOR INCREASING YIELD IN                  MICROTRANSFER PRINTING                  (73) X-FAB Semiconductor Foundries GmbH                  (72) LERNER, Ralf                  (31) 102019118270                  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          (11) EP3193361                  (21) EP17150341.0                  (47) 12.04.2023                  (22) 05.01.2017                  (54) METHOD FOR FABRICATING                  SEMICONDUCTOR STRUCTURES                  INCLUDING A HIGH RESISTIVITY                  LAYER, AND RELATED                  SEMICONDUCTOR STRUCTURES                  (73) SOITEC                  (72) RADU, Ionut                  DESBONNETS, Eric                  (31) 1650333                  (32) 15.01.2016                  (33) France                  (51) H01L 21/768                  H01L 23/522</p>	<p>H01L 23/528                  (11) EP3770953                  (21) EP19187767.9                  (47) 12.04.2023                  (22) 23.07.2019                  (54) METHOD FOR FORMING A MULTI-                  LEVEL INTERCONNECT STRUCTURE                  IN A SEMICONDUCTOR DEVICE                  (73) Imec VZW                  (72) BRIGGS, Basoene                  MACHKAOUTSAN, Vladimir                  TOKEI, Zsolt                  (51) H01L 29/417                  H01L 21/8234                  (11) EP3642881                  (21) EP18735439.4                  (47) 12.04.2023                  (87) US2018035033                  27.12.2018                  (22) 30.05.2018                  (54) LAYOUT TECHNIQUE FOR MIDDLE-                  END-OF-LINE                  (73) Qualcomm Incorporated                  (72) WEE, Tin Tin                  SAHOO, Trilochan                  SUKUMARAPILLAI, Sunil                  VENKATESWAR, Arun Kumar                  Kodigenahalli                  (31) 201715628909                  (32) 21.06.2017                  (33) United States of America                  (51) H01L 31/0216                  B32B 7/02                  G02B 5/26                  G02B 5/20                  H01L 31/0232                  G01J 1/04                  B32B 27/06                  G06F 1/16                  B32B 17/00                  G01J 3/12                  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(72) BORGERS, Tom	KOJIMA, Kazunobu	(51) H01L 51/00
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G01J 1/02	(73) NICHIA CORPORATION	(73) Samsung Display Co., Ltd.
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G01J 1/42	YAMAOKA, Kensuke	NAIJO, Tsuyoshi
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KYOUNG, Jisoo	ION BATTERY AND PROCESS FOR	(87) KR2018013411
LEE, Sunghoon	PREPARATION THEREOF, AND	09.05.2019
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(33) Korea (Republic)	(73) Contemporary Amperex Technology Co.,	(73) LG Energy Solution, Ltd.
(51) H01L 51/52	Limited	(72) SUH, Min Won
H01L 27/32	(72) SHENG, Changliang	KIM, So Yeon
(11) EP3321988	WANG, Shiwen	YUN, Nan Ji
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METHOD THEREOF	(33) China	(33) Korea (Republic)
(73) Samsung Display Co., Ltd.	(51) H01M 4/133	(51) H01M 4/38
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(54) NEGATIVE POLE PIECE, BATTERY	H01M 4/66	HAYASHIDA Kazuro
CELL, LITHIUM ION BATTERY AND	H01M 4/02	(31) 2017230214
PREPARATION METHOD THEREFOR,	(11) EP3276709	(32) 30.11.2017
AND DEVICE CONTAINING LITHIUM	(21) EP17182964.1	(33) Japan
ION BATTERY	(47) 12.04.2023	(51) H01M 4/38
(73) Contemporary Amperex Technology Co.,	(22) 25.07.2017	H01M 4/40
Limited	(54) NEGATIVE ELECTRODE COMPRISING	H01M 10/0562
(72) SHENG, Changliang	MESH-TYPE CURRENT COLLECTOR,	H01M 10/052
WANG, Shiwen	LITHIUM SECONDARY BATTERY	H01M 10/058
HUANG, Qisen	COMPRISING THE SAME, AND	H01L 21/268
LI, Cheng	MANUFACTURING METHOD THEREOF	(11) EP3439072
LIANG, Chengdu	(73) LG Energy Solution, Ltd.	(21) EP18187124.5
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H01M 4/1393	(32) 17.07.2017	ELECTROLYTE
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H01M 4/04	Korea (Republic)	(72) KIM, Jusik
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H01M 4/36	H01M 4/505	KIM, Hyunseok
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B60L 58/12	STACK	H01M 50/54
B60L 58/16	(73) NGK SPARK PLUG CO., LTD.	H01M 50/548
G01R 31/367	(72) TANIMURA, Ryoji	H01M 50/553
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PLATING ESTIMATION AND	(22) 12.01.2021	B23K 101/38
PREVENTION	(54) RAIL VEHICLE WITH COOLING	(11) EP3200263
(73) CPS Technology Holdings LLC	DEVICE FOR A FUEL CELL ASSEMBLY	(21) EP16811823.0
(72) ZHANG, Zhenli	(73) Siemens Mobility GmbH	(47) 12.04.2023
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(33) United States of America	(51) H01M 10/04	MANUFACTURING METHOD THE
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C25B 1/04	B29D 99/00	(73) LG Energy Solution, Ltd.
C25B 9/00	H01M 50/105	(72) CHOI, Mi-Geum
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H01M 8/0245	(47) 12.04.2023	(33) Korea (Republic)
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C25B 9/70	07.03.2019	H01M 10/42
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(11) EP3432395	MANUFACTURING METHOD	(11) EP3648232
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ELECTROCHEMICAL DEVICE, AND	PARK, Dong Hyeuk	BATTERY, AND LITHIUM SECONDARY
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H01M 8/0271	H01M 50/466	H01M 10/0569
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H01M 8/2432	(21) EP18168363.2	H01M 10/054
C25B 1/04	(47) 12.04.2023	(11) EP3734740
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(22) 10.07.2020	H01Q 5/371	ELEMENTS AND AMPLIFIERS
(54) BATTERY AND ELECTRIC DEVICE	H01Q 5/392	(73) Space Systems/Loral, LLC
(73) Contemporary Amperex Technology Co., Limited	H01Q 9/42	(72) WU, Gordon
(72) WU, Kai	(11) EP3576223	PARMAN, Matthew Stephen
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H05K 7/14	(72) SCHOEDEL, Maximilian	(11) EP3707788
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(21) EP20745486.9	RATZISBERGER, Dominik	(11) EP3751707
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GUO, Zhongliang	H02K 21/22	(72) LUO, Hongbin
WU, Guoxiu	(11) EP3703225	REN, Yi
LI, Qiandeng	(21) EP20159229.2	CHEN, Guangquan
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30.11.2017	(54) MEMS LOUDSPEAKER WITH	(33) United States of America
(22) 22.06.2016	POSITION SENSOR	United States of America
(54) METHOD AND APPARATUS FOR	(73) Usound GmbH	World Intellectual Property Office (WIPO)
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(54) ADDRESSABLE ADVERTISING	H04R 19/00	NETWORK INSIGHTS OF ALERTS
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(22) 10.01.2017 (54) ELECTRONIC DEVICE AND METHOD (73) Sony Group Corporation (72) UCHIYAMA, Hiromasa (31) 2016020141 (32) 04.02.2016 (33) Japan	(73) Beijing Xiaomi Mobile Software Co., Ltd. (72) HONG, Wei	(51) H04W 8/26 H04W 76/15 H04W 8/18 H04W 60/00 H04W 76/11 H04W 88/06
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(54) METHOD, APPARATUS, SYSTEM AND NON-TRANSITORY COMPUTER	(51) H04W 8/18	(51) H04W 12/041 H04W 12/043 H04W 12/033 H04W 12/106 H04L 9/40 (11) EP3820181 (21) EP19846015.6 (47) 12.04.2023 (87) CN2019099355 13.02.2020 (22) 06.08.2019 (54) SECURE CONVERSATION METHOD AND DEVICE (73) Huawei Technologies Co., Ltd.

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(73) QUALCOMM Incorporated	China Mobile Communications Group Co., Ltd	(72) MACKENZIE, Richard
(72) NAGARAJA, Sumeeth	(72) XU, Xiaodong	(31) 14250020
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(73) Siemens Canada Limited	ZENG, Qinghai	H04W 36/30
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(22) 23.06.2020	(87) CN2018074670	(72) MACKENZIE, Richard
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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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LIN, Xiyong	(74) ir. J.C. Volmer c.s.	PELLETS
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(74) ir. H.A. Witmans c.s.	
(68) EP3347352	
(54) THERAPEUTIC COMPOUNDS USEFUL FOR THE PROPHYLACTIC OR	

**VB1****Rechten waarvoor een verzoek of bezwaarschrift is ingediend conform Octrooiwet 1995 en de Algemene Wet Bestuursrecht.****Contains data concerning requests and notices of opposition under the General administrative law.**

(11) EP2668761	C09J 11/08
(51) H04L 29/06	A61K 8/02
H04W 12/02	A61K 8/9706
(00) 04.04.2023	A61Q 5/02
(00) 28/18	A61Q 19/00
04.07.2018	A61Q 19/10
(00) Restoration of rights	(00) 23/22
(00) Scentrics Information Security Technologies Ltd	08.06.2022
(11) EP3287482	(11) EP3783177
(51) C08G 63/183	(51) E05C 17/20
C08G 63/06	(00) 23/22
C08G 63/19	08.06.2022
C08G 63/91	
C08L 67/03	
C08L 67/04	
C08L 93/00	
C08L 3/00	
C08G 63/78	
C08G 63/199	
(00) 24/22	
15.06.2022	
(11) EP3289903	
(51) A41G 3/00	
A45D 44/22	
(00) 11.04.2023	
(00) 53/19	
01.01.2020	
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(11) EP3483107	
(51) B66B 5/02	
(00) 23/22	
08.06.2022	
(11) EP3516084	
(51) C22C 18/04	
B32B 15/01	
C21D 8/02	
C23C 2/02	
C23C 2/06	
C23C 2/40	
C21D 1/26	
C22C 38/00	
C22C 38/02	
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C22C 38/06	
C22C 38/12	
C22C 38/14	
(00) 23/22	
08.06.2022	
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(51) A23L 29/256	
A23L 29/212	
A23L 29/238	
A23L 29/244	
A23L 29/269	
A23C 9/154	
A23K 20/163	

## VB2

**Rechten waarvoor een beslissing is genomen op een verzoek- of bezwaarschrift conform de Octrooiwet 1995.**

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

(11) EP2485651	(51) B29C 49/22
(51) A61B 10/02	B29C 49/46
A61B 90/11	B29C 49/58
A61B 90/17	B29C 49/66
(00) 41/21	B29C 49/70
13.10.2021	B29K 67/00
(11) EP2758172	B65D 1/02
(51) B01L 3/00	B65D 85/72
(11) EP2786852	B29D 99/00
(51) B29C 53/10	(11) EP3243073
B29C 63/06	(51) G01N 30/46
B29D 23/00	G01N 30/86
B32B 27/12	G01N 30/88
F16L 55/165	(00) 47/19
B29C 48/00	20.11.2019
(00) 01/21	(11) EP3291959
06.01.2021	(51) B29C 45/76
(11) EP2788646	B29C 45/77
(51) F01N 3/20	(00) 25/22
F16L 25/01	22.06.2022
F24H 1/00	(11) EP3323413
F24H 1/10	(51) A61K 9/24
H05B 3/58	A61K 31/135
F16L 53/00	A61K 31/415
F16L 53/38	A61K 47/36
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24.01.2018	14.07.2021
(11) EP2970389	(11) EP3325596
(51) A61K 38/12	(51) C11D 3/37
C07K 7/54	C11D 3/39
(11) EP3053580	(00) 19/21
(51) A61K 31/4412	17.06.2021
A61P 11/00	(11) EP3342571
A61P 37/00	(51) B01F 3/12
(00) 18/22	B01F 5/22
04.05.2022	B28B 17/02
(11) EP3056506	B28C 5/08
(51) C07H 1/00	B28C 5/16
C07H 3/06	B28C 7/16
A23L 33/21	(00) 20/21
(00) 26/21	19.05.2021
30.06.2021	(11) EP3359695
(11) EP3110399	(51) C12N 15/11
(51) A61K 9/08	C12Q 1/686
A61K 31/137	G16B 30/00
A61K 47/02	(11) EP3603407
A61L 2/04	(51) A23C 20/00
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(51) B01F 11/00	G05D 1/02
B01F 15/00	A01D 41/127
B65D 88/66	
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**MED****Overige mededelingen.****Contains data concerning other communications.**

(11) 2009601	(11) EP3383923
(00) 31.03.2023	(51) C08F 6/00
(51) C08L 23/12	C08L 25/12
C08L 67/04	C08L 55/02
C08L 97/00	
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C08L 97/00	
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(11) 2012400	
(00) 17.03.2023	
(51) B60P 7/08	
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A46B 15/00	
A46D 1/00	
A46B 9/06	
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(51) C07H 1/08	
C12N 15/10	
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C21D 1/25	
C21D 8/02	
C21D 9/46	
C21D 9/48	
C21D 6/00	
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C22C 38/02	
C22C 38/06	
C22C 38/26	
C22C 38/28	
C22C 38/34	
C22C 38/38	
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(51) B65G 47/96	
B07C 5/36	

## VRV

## Verval of nietigverklaring.

## Contains data concerning lapse or annulment.

(11) 300395	(00) Patent Expired	(00) Patent Expired
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(11) EP3935636	(11) EP3958746	(11) EP4004931
(00) 07.12.2022	(00) 07.12.2022	(00) 07.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3936160	(11) EP3958747	(11) EP4007072
(00) 07.12.2022	(00) 07.12.2022	(00) 07.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3936161	(11) EP3965217	(11) EP4012133
(00) 07.12.2022	(00) 07.12.2022	(00) 07.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3937341	(11) EP3966460	(11) EP4013096
(00) 07.12.2022	(00) 07.12.2022	(00) 07.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3937430	(11) EP3966869	(11) EP4014441
(00) 07.12.2022	(00) 07.12.2022	(00) 07.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3941866	(11) EP3967288	(11) EP4018269
(00) 07.12.2022	(00) 07.12.2022	(00) 07.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3944549	(11) EP3967627	(11) EP4030188
(00) 07.12.2022	(00) 07.12.2022	(00) 07.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3944814	(11) EP3970143	(11) EP4036057
(00) 07.12.2022	(00) 07.12.2022	(00) 07.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3944925	(11) EP3972059	(11) EP4063069
(00) 07.12.2022	(00) 07.12.2022	(00) 07.12.2022
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(11) EP3947753	(11) EP3972103	
(00) 07.12.2022	(00) 07.12.2022	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP3947754	(11) EP3979265	
(00) 07.12.2022	(00) 07.12.2022	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP3947933	(11) EP3979431	
(00) 07.12.2022	(00) 07.12.2022	

**VRB**

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

(11) 2029152  
(48) 19.04.2023  
(00) Volgorde Uitvinders  
(51) F16H 55/00  
H01Q 3/04

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**CO**

**Ingeschreven overdrachten.**

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

(71) Sumitomo Pharma Co., Ltd.	B63B 35/00	(11) EP2003085
(73) Sumitomo Pharma Co., Ltd.	B66C 1/10	(00) 27.03.2023
(11) 300690	B66C 1/42	(51) B66C 23/78
(00) 03.04.2023	B66C 23/18	(00) Change of Legal Entity
(00) Change of owner(s) name	B66C 23/42	(71) ILLUMINA, INC.
(71) JANSSEN SCIENCES IRELAND	B66C 23/52	(73) ILLUMINA, INC.
UNLIMITED COMPANY	E02B 17/00	(11) EP2787565
(73) JANSSEN SCIENCES IRELAND	E02D 27/42	(00) 04.04.2023
UNLIMITED COMPANY	F03D 1/00	(51) H01M 6/14
(11) EP1663240	F03D 11/00	H01M 6/50
(00) 29.03.2023	F03D 11/04	H01M 10/42
(51) A61K 31/505	(00) Change of owner(s) name	(00) Merge
A61K 31/52	(71) Johnson Matthey PLC	(71) Gliapharm SA
A61K 31/513	(73) Johnson Matthey PLC	(73) Gliapharm SA
A61P 31/18	(11) EP2268773	(11) EP2830611
A61K 9/20	(00) 29.03.2023	(00) 31.03.2023
(00) Change of owner(s) name	(51) C07C 7/163	(51) A61K 31/19
(71) IQIP Holding B.V.	C10G 45/00	A61K 35/00
(73) IQIP Holding B.V.	C10G 45/08	A61P 25/00
(11) EP1567727	C10G 67/06	A61P 25/28
(00) 30.03.2023	C10G 70/02	C12N 1/20
(51) E02D 27/42	(00) Assignment	C12P 7/40
E02D 27/52	(71) JANSSEN SCIENCES IRELAND	C12R 1/00
E04H 12/22	UNLIMITED COMPANY	A61K 35/74
F03D 1/00	(11) 300768	A23L 29/00
(00) Change of owner(s) name	(00) 29.03.2023	A23L 33/10
(71) Xencor, Inc.	(00) Change of owner(s) name	(00) Assignment
(73) Xencor, Inc.	(71) JANSSEN SCIENCES IRELAND	(71) ILLUMINA, INC.
(11) EP1553975	UNLIMITED COMPANY	(73) ILLUMINA, INC.
(00) 04.04.2023	(11) 300767	(11) EP2963709
(51) C07K 16/00	(00) 29.03.2023	(00) 04.04.2023
C07K 16/24	(00) Change of owner(s) name	(51) H01M 6/14
C07K 16/28	(71) BOSTON SCIENTIFIC MEDICAL	H01M 6/50
C07K 16/30	DEVICE LTD.	H01M 10/42
(00) Change of owner(s) name	(73) BOSTON SCIENTIFIC MEDICAL	(00) Merge
(71) Hitachi High-Tech Science Corporation	DEVICE LTD.	(71) Wireless Innovations LLC
Panasonic Holdings Corporation	(11) EP2401978	(73) Wireless Innovations LLC
(73) Hitachi High-Tech Science Corporation	(00) 28.03.2023	(11) EP2068492
(11) EP1757925	(51) A61B 18/14	(00) 03.04.2023
(00) 05.04.2023	(00) Assignment	(51) H04L 12/18
(51) G01N 23/223	(71) JANSSEN SCIENCES IRELAND	H04W 72/00
(00) Change of owner(s) name	UNLIMITED COMPANY	H04L 12/801
(71) Exail	(73) JANSSEN SCIENCES IRELAND	(00) Assignment
(73) Exail	UNLIMITED COMPANY	(71) Provenance Asset Group LLC
(11) EP1904873	(11) 300781	(73) Wireless Innovations LLC
(00) 04.04.2023	(00) 29.03.2023	(11) EP2068492
(51) G01V 3/38	(00) Change of owner(s) name	(00) 03.04.2023
(00) Change of owner(s) name	(71) B&D Ingenieurs B.V.	(51) H04L 12/18
(71) Hitachi High-Tech Science Corporation	(73) B&D Ingenieurs B.V.	H04W 72/00
(73) Hitachi High-Tech Science Corporation	(11) 1042039	H04L 12/801
(11) EP1757925	(00) 03.04.2023	(00) Assignment
(00) 05.04.2023	(51) E03F 5/04	(71) ONK Therapeutics Limited
(51) G01N 23/223	(00) Demerger	(73) ONK Therapeutics Limited
(00) Assignment	(71) HIAB AB	(11) EP2847222
(71) IQIP Holding B.V.	(73) HIAB AB	(00) 27.03.2023
(73) IQIP Holding B.V.	(11) EP2003085	(51) C07K 16/28
(11) EP1986947	(00) 27.03.2023	C07K 16/30
(00) 30.03.2023	(51) B66C 23/78	(00) Assignment
(51) B63B 9/06	(00) Assignment	(71) Cellerant (assignment for the benefit of
B63B 27/10	(71) EFFER S.R.L.	creditors), LLC
	(73) HIAB AB	(73) ONK Therapeutics Limited

(11) EP2847222	(11) EP3295507	E02D 23/14
(00) 27.03.2023	(00) 21.03.2023	E02D 27/42
(51) C07K 16/28	(51) H01M 2/02	(00) Assignment
C07K 16/30	H01M 2/16	<hr/>
(00) Assignment	H01M 4/02	(71) ENOVIX CORPORATION
(71) Exail	H01M 10/04	(73) ENOVIX CORPORATION
(73) Exail	H01M 10/05	(11) EP3641030
(11) EP3183103	H01M 10/0525	(00) 21.03.2023
(00) 04.04.2023	(00) Merge	(51) H01M 4/38
(51) B29C 33/30	(71) Enovix Operations Inc.	H01M 4/134
B29L 31/30	(73) ENOVIX CORPORATION	H01M 4/13
(00) Change of owner(s) name	(11) EP3295507	H01M 10/0585
(71) IQIP HOLDING B.V.	(00) 21.03.2023	H01M 10/052
(73) IQIP HOLDING B.V.	(51) H01M 2/02	H01M 10/04
(11) 2023409	H01M 2/16	H01M 50/446
(00) 03.04.2023	H01M 4/02	H01M 50/46
(51) E02D 7/02	H01M 10/04	H01M 4/02
E02D 7/10	H01M 10/05	(00) Merge
E02D 13/10	H01M 10/0525	(71) SII Netherlands B.V.
(00) Assignment	(00) Change of owner(s) name	TRP Capital B.V.
(71) TBS-SVA Groep	(71) Arcadia Products, LLC	(73) SII Netherlands B.V.
B&D Ingenieurs B.V.	(73) Arcadia Products, LLC	TRP Capital B.V.
(73) TBS-SVA Groep	(11) EP2581537	(11) 2025867
B&D Ingenieurs B.V.	(00) 29.03.2023	(00) 31.03.2023
(11) 1043688	(51) E06B 1/32	(51) B64D 9/00
(00) 03.04.2023	(00) Change of Legal Entity	B64D 11/00
(51) E02D 29/12	(71) IQIP HOLDING B.V.	B64C 1/20
E03F 7/00	(73) IQIP HOLDING B.V.	B65D 88/14
(00) Demerger	(11) 2023408	(00) Assignment
(71) SUNBELT RENTALS LIMITED	(00) 03.04.2023	(71) Enovix Operations Inc.
(73) SUNBELT RENTALS LIMITED	(51) E02D 7/20	(73) ENOVIX CORPORATION
(11) EP3066264	E02D 7/14	(11) EP3641030
(00) 28.03.2023	(00) Assignment	(00) 21.03.2023
(51) E02D 9/00	(71) Panasonic Holdings Corporation	(51) H01M 4/38
(00) Change of owner(s) name	(73) Panasonic Holdings Corporation	H01M 4/134
(71) IQIP HOLDING B.V.	(11) EP3096315	H01M 4/13
(73) IQIP HOLDING B.V.	(00) 05.04.2023	H01M 10/0585
(11) 2025191	(51) G10L 19/00	H01M 10/052
(00) 03.04.2023	G10L 19/02	H01M 10/04
(51) E02D 7/02	(00) Assignment	H01M 50/446
E02D 7/10	(71) DSM IP Assets B.V.	H01M 50/46
E02D 13/10	(73) DSM IP Assets B.V.	H01M 4/02
(00) Assignment	(11) EP2543255	(00) Change of owner(s) name
(71) IQIP HOLDING B.V.	(00) 03.04.2023	(71) Mr. Leonard Berend Visscher-Korver
(73) IQIP HOLDING B.V.	(51) C12R 1/25	(73) Mr. Leonard Berend Visscher-Korver
(11) 2026168	A23C 19/11	(11) EP3110687
(00) 03.04.2023	A23L 3/3463	(00) 29.03.2023
(51) E02D 1/02	C12N 1/20	(51) B60L 50/00
G01N 19/02	A23L 33/135	(00) Assignment
(00) Assignment	A23C 19/032	(71) Bio3DPrinting S.r.l.
(71) IQIP HOLDING B.V.	(00) Assignment	(73) Bio3DPrinting S.r.l.
(73) IQIP HOLDING B.V.	(71) IQIP Holding B.V.	(11) EP3788187
(11) 2026169	(73) IQIP Holding B.V.	(00) 03.04.2023
(00) 03.04.2023	(11) EP3329098	(51) D01D 5/00
(51) E02D 1/02	(00) 30.03.2023	B29C 64/20
G01N 3/40	(51) E21D 20/00	(00) Change of Legal Entity
G01N 19/02	E21D 21/00	(71) ENOVIX CORPORATION
(00) Assignment	(00) Change of owner(s) name	(73) ENOVIX CORPORATION
(71) Speira GmbH	(71) IQIP HOLDING B.V.	(11) EP3800730
(73) Speira GmbH	(73) IQIP HOLDING B.V.	(00) 21.03.2023
(11) EP2545328	(11) 2028930	(51) H01M 10/04
(00) 29.03.2023	(00) 03.04.2023	H01M 50/202
(51) C09D 1/00	(51) E02D 7/06	H01M 50/233
C23C 18/12	E02D 7/02	H01M 50/411
(00) Assignment	E02D 7/08	H01M 50/471
(71) ENOVIX CORPORATION	E02D 7/26	H01M 50/543
(73) ENOVIX CORPORATION	E02D 7/28	H01M 4/02
		(00) Merge

(71) Exail	B08B 3/12
(73) Exail	B08B 7/00
(11) EP3615409	F15B 15/00
(00) 04.04.2023	(00) Assignment
(51) B63B 1/06	(71) Exail
(00) Change of owner(s) name	(73) Exail
(71) Exail	(11) EP3893003
(73) Exail	(00) 04.04.2023
(11) EP3721510	(51) G01P 15/08
(00) 04.04.2023	G01P 15/093
(51) H01R 13/523	G01C 19/58
H01R 43/26	(00) Change of owner(s) name
H01R 13/533	(71) SRAM, LLC
(00) Change of owner(s) name	(73) SRAM, LLC
(71) Exail	(11) EP3889025
(73) Exail	(00) 29.03.2023
(11) EP3707067	(51) B62M 6/45
(00) 04.04.2023	B62M 6/60
(51) B63B 27/16	(00) Assignment
B63B 27/36	
B66C 13/02	
(00) Change of owner(s) name	
(71) Metso Outotec Metals Oy	
(73) Metso Outotec Metals Oy	
(11) EP3877742	
(00) 03.04.2023	
(51) G01N 1/10	
G01N 1/28	
C22B 1/24	
C22B 1/242	
(00) Assignment	
(71) Enovix Operations Inc.	
(73) ENOVIX CORPORATION	
(11) EP3800730	
(00) 21.03.2023	
(51) H01M 10/04	
H01M 50/202	
H01M 50/233	
H01M 50/411	
H01M 50/471	
H01M 50/543	
H01M 4/02	
(00) Change of owner(s) name	
(71) Metso Outotec Metals Oy	
(73) Metso Outotec Metals Oy	
(11) EP3516308	
(00) 04.04.2023	
(51) C01F 7/441	
C01F 7/444	
C01F 7/445	
B01J 6/00	
F24S 20/20	
(00) Assignment	
(71) Exail	
(73) Exail	
(11) EP3850394	
(00) 04.04.2023	
(51) G01S 7/62	
(00) Change of owner(s) name	
(71) P-Wave AG	
(73) P-Wave AG	
(11) EP3788410	
(00) 04.04.2023	
(51) G01V 1/104	
B08B 7/02	
F28G 7/00	
G10K 15/04	

**TVH**

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



**UP1**

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

## **UP2**

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

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

### **UP3**

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

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

#### **UP4**

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

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

**UP5**

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

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

## **UP6**

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

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