



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.

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## Introduction

### Patent Bulletin

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

### Official Journal

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

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<b>Rubriek NP1</b> Bevat gegevens betreffende octrooiaanvragen die zijn ingeschreven op grond van de Octrooiwet 1995.	<b>8 Heading NP1</b> Contains data concerning Netherlands patent applications which have been entered in the patent register under the Patents Act 1995.	<b>8</b>
<b>Rubriek NP2</b> Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	<b>22 Heading NP2</b> Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	<b>22</b>
<b>Rubriek NP3</b> Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	<b>35 Heading NP3</b> Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	<b>35</b>
<b>Rubriek EP1</b> Bevat gegevens betreffende vertaalde conclusies van Europese octrooiaanvragen.	<b>36 Heading EP1</b> Contains data concerning translations of the conclusions of European patent applications.	<b>36</b>
<b>Rubriek EP2</b> Bevat gegevens betreffende voor Nederland verleende Europese octrooien.	<b>37 Heading EP2</b> Contains data concerning European patents granted for The Netherlands.	<b>37</b>
<b>Rubriek EP3</b> Bevat gegevens betreffende voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend conform artikel 52 lid 1 of 6 van de Octrooiwet 1995.	<b>238 Heading EP3</b> Contains data concerning European patents granted for The Netherlands in which a translation was filed confirm Article 52 par. 1 or 6 of the Patents Act 1995.	<b>238</b>
<b>Rubriek EP4</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	<b>267 Heading EP4</b> Contains data concerning European patents granted in amended form for the Netherlands.	<b>267</b>
<b>Rubriek EP5</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde	<b>268 Heading EP5</b> Contains data concerning European patents granted in amended form for	<b>268</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>269Heading SPC</b> Contains data concerning applications for- or granted Supplementary Protection Certificates.	269
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<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>271Heading 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.	271
<b>Rubriek MED</b> Bevat gegevens betreffende overige mededelingen.	<b>273Heading MED</b> Contains data concerning other communications.	273
<b>Rubriek VRV</b> Bevat gegevens betreffende verval of nietigverklaring.	<b>274Heading VRV</b> Contains data concerning lapse or annulment.	274
<b>Rubriek VRB</b> Bevat gegevens betreffende verbeteringen op eerdere publicaties.	<b>313Heading VRB</b> Contains data concerning corrections on earlier publications.	313
<b>Rubriek CO</b> Bevat gegevens betreffende wijzigingen in het octrooiregister.	<b>314Heading CO</b> Contains data concerning changes in the Netherland patent register.	314
<b>Rubriek TVH</b> Bevat gegevens betreffende topografieën van halfgeleiderproducten.	<b>320Heading TVH</b> Contains data concerning depots of original topographies of semi-conductor products.	320

<b>Rubriek UP1</b> Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	<b>321Heading UP1</b> Contains data concerning European patents with registered Unitary Effect.	321
<b>Rubriek UP2</b> Bevat gegevens over Europese octrooien met geregistreerd verzoek ex. artikel 52a (herstel recht op validatie).	<b>322Heading UP2</b> Contains data concerning European patents with registered request ex article 52a (restoration of validation right).	322
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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>324Heading UP4</b> Contains data concerning European patents with accepted request ex article 52a (restoration of validation right) and incomplete validation.	324
<b>Rubriek UP5</b> Bevat gegevens over Europese octrooien met afgewezen verzoek ex. artikel 52a (herstel recht op validatie).	<b>325Heading UP5</b> Contains data concerning European patents with rejected request ex article 52a (restoration of validation right).	325
<b>Rubriek UP6</b> Bevat gegevens over Europese octrooien met ingetrokken verzoek ex. artikel 52a (herstel recht op validatie).	<b>326Heading UP6</b> Contains data concerning European patents with withdrawn request ex article 52a (restoration of validation right).	326

## 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.
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- (43) Date of publication by printing or similar process of anexamined document on which no grant has taken place on or before said date

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

## Rubrieken/Headings

### NP1

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

(51) A01D 57/01 A01D 45/00 A01G 22/60 A01G 9/14 A01G 5/00	(51) A01G 17/00 C05G 3/00 (21) 2031455 (22) 30.03.2022 (54) ORGANIC-INORGANIC COMPOUND FERTILIZER FOR MULBERRY TREES AND PREPARATION METHOD THEREOF	Hanqi Gu Ting Zhang Yanfang Peng Mantang Zhao Lingzhi Shao
(21) 2030254 (22) 23.12.2021 (54) Chrysanthemum harvesting assembly (71) Arie Cornelis Rietveld Peter Dirk Hobo (74) ir. J.C. Volmer c.s. (72) Peter Dirk Hobo Arie Cornelis Rietveld	(71) Institute of Economic Crops, Hubei Academy of Agricultural Sciences (74) ir. M.B. Plaggenborg (72) Die Hu Zhaoxia Dong Cheng Zhang Yong Li Cui Yu Rongli Mo Xingming Hu Zhixian Zhu Wen Deng	(51) A01G 24/25 (21) 2030182 (22) 17.12.2021 (54) ORGANIC METHOD FOR BUFFERING COIR PRODUCTS (71) Van der Knaap Diensten B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Paul Victor Offerman Jelte Veenstra
(51) A01G 5/00 (21) 2030316 (22) 28.12.2021 (54) Bloembosverwerkingsysteem en werkwijze voor het geautomatiseerd opschudden van bloembossen (71) Havatec B.V. (74) ir. H.A. Witmans c.s. (72) Arend van Duijn	(31) 202111651732.3 (32) 30.12.2021 (33) China	(51) A01G 31/02 (21) 2032144 (22) 13.06.2022 (54) TRAY ASSEMBLY COMPRISING A TRAY WITH ONE OR MORE THAN ONE FLOAT AND A WATER FLOW GUIDE (71) Meteor Systems B.V. (74) dr. ir. G.J.C. Verdijck c.s. (72) Sebastiaan Johannes Hendrikus Dirven Franciscus Antonius Bastiaansen
(51) A01G 9/14 (21) 2030353 (22) 29.12.2021 (54) Installation device for a glass panel, and method for installing a glass panel (71) Joost van der Waay (74) ir. F.A. Geurts c.s. (72) Joost van der Waay (41) 04.07.2023	(51) A01G 17/00 C05G 3/00 (21) 2031156 (22) 03.03.2022 (54) METHOD FOR IMPROVING SURVIVAL RATE OF TRANSPLANTING OF GREENHOUSE SWEET CHERRY TREE (71) Dalian Lvhai Agriculture Development Co.,Ltd. Dalian Modern Agricultural Production Development Service Center (74) ir. M.B. Plaggenborg (72) Baixia Zhao Zhiyong Dong Fengrong Pan Guofang Xia Min Xiao Liheng Zhang Fengjia Jin Yongmin Li Wei Zheng Yutao Li	(41) 28.06.2023 (51) A01J 11/06 A01J 5/04 (21) 2030195 (22) 20.12.2021 (54) Melkinrichting (71) Lely Patent N.V. (74) ir. M.J.F.M. Corten (72) Gerard Mostert (41) 28.06.2023
(51) A01G 13/02 A01G 22/22 A01G 9/08 B02C 18/14 B02C 18/18 G01S 13/58 (21) 2030911 (22) 11.02.2022 (54) SELF-PROPELLED FIELD MUD- FETCHING AND RICE SEEDLING- RAISING MULTIFUNCTIONAL OPERATING EQUIPMENT (71) ANHUI AGRICULTURAL UNIVERSITY (74) ir. M.B. Plaggenborg (72) Dequan Zhu Chaoyang Ding Shun Zhang Fuming Kuang Juan Liao Tianyi Zhou Zhongyi Yu Weimin Zhao (31) 202111636634.2 (32) 29.12.2021 (33) China	(51) A01G 17/00 C05G 3/00 (21) 2031156 (22) 03.03.2022 (54) METHOD FOR IMPROVING SURVIVAL RATE OF TRANSPLANTING OF GREENHOUSE SWEET CHERRY TREE (71) Dalian Lvhai Agriculture Development Co.,Ltd. Dalian Modern Agricultural Production Development Service Center (74) ir. M.B. Plaggenborg (72) Baixia Zhao Zhiyong Dong Fengrong Pan Guofang Xia Min Xiao Liheng Zhang Fengjia Jin Yongmin Li Wei Zheng Yutao Li (41) 29.06.2023 (31) 202111586873.1 (32) 23.12.2021 (33) China	(51) A01K 61/10 A01K 74/00 (21) 2035120 (22) 17.06.2023 (54) DEEP-SEA FISHING AND BREEDING INTEGRATED SYSTEM (71) Fishery Machinery and Instrument Research Institute, Chinese Academy of Fishery Sciences (74) ir. M.B. Plaggenborg (72) Xiong Fang
(51) A01G 18/00 (21) 2030339 (22) 29.12.2021 (54) HERICIUM ERINACEUS (BULL.) PERS. CULTIVATION TECHNOLOGY (71) Hebei Normal University for Nationalities (74) ir. W.J.J.M. Kempes (72) Jie Li	(51) A01G 18/00 (21) 2030339 (22) 29.12.2021 (54) HERICIUM ERINACEUS (BULL.) PERS. CULTIVATION TECHNOLOGY (71) Hebei Normal University for Nationalities (74) ir. W.J.J.M. Kempes (72) Zhiguang Guan Baoping Wang Qin Sun	(51) A01K 80/00 B63C 11/52 B63G 8/00 (21) 2030312 (22) 28.12.2021 (54) MULTI-PROPELLER MULTI-LEG SEA CUCUMBER COLLECTION DEVICE (71) ShanDong JiaoTong University (74) ir. W.J.J.M. Kempes (72) Zhiguang Guan Baoping Wang Qin Sun



Lin Zhang	(33) China	(72) Pieter Merijn Wegdam
Lingyan Zhao	(51) A23F 3/16	Wiebe Jelmer Koehler
(41) 03.07.2023	A61K 36/82	(51) A47K 3/28
(51) A01M 17/00	A61P 39/06	A61N 5/06
A01G 9/24	A23L 33/21	(21) 2030284
(21) 2030270	A61K 36/899	(22) 24.12.2021
(22) 23.12.2021	(21) 2030998	(54) Device for radiating UV and/or IR
(54) Bodem voorzien van een samenstel van buizen.	(22) 17.02.2022	radiation to a human body in a humid room
(71) BioVerbeek B.V.	(54) PREPARATION METHOD OF MODIFIED DIETARY FIBER AND TEA	(71) Sunshower IP BV
(74) ir. A. Blokland c.s.	POLYPHENOL STABLE COMPOUND	(74) ir. H.Th. van den Heuvel c.s.
(72) Robert Adolf Berkelmans	(71) Institute of Agricultural Engineering Technology, Fujian Academy of Agricultural Sciences	(72) Pieter Merijn Wegdam
Alphons Johannes Marie Verbeek	(74) ir. M.B. Plaggenborg	Wiebe Jelmer Koehler
(51) A01N 1/02	(72) Bin Lin	(41) 30.06.2023
(21) 2034495	Huiying Gao	(51) A47K 3/28
(22) 04.04.2023	Xuefang Guan	A61N 5/06
(54) STEM CELL CRYOPRESERVATION PROTECTIVE AGENT, PREPARATION METHOD, AND APPLICATION THEREOF	Chengchun Lai	(21) 2030285
(71) SHANGHAI NINTH PEOPLE'S HOSPITAL, SHANGHAI JIAOTONG UNIVERSITY SCHOOL OF MEDICINE	Gongti Lai	(22) 24.12.2021
(74) M. Schmid	Qi Wang	(54) Device for radiating UV and/or IR radiation to a human body in a humid room
(72) Qingfeng Li	Juqing Huang	(71) Sunshower IP BV
Shuangbai Zhou	(31) 202111649208.2	(74) ir. H.Th. van den Heuvel c.s.
(51) A01N 31/16	(32) 30.12.2021	(72) Wiebe Jelmer Koehler
C05G 3/40	(33) China	Pieter Merijn Wegdam
A01P 3/00	(51) A23L 19/00	(41) 30.06.2023
C05G 3/60	A23L 33/00	(51) A61B 5/01
C05G 3/80	G09B 19/00	G02B 13/06
C05G 5/30	A23L 33/105	G02B 13/14
C09K 17/32	(21) 2030332	G02B 13/18
(21) 2030348	(22) 29.12.2021	G02B 13/00
(22) 29.12.2021	(54) Personalised functional nutritional product	(21) 2030346
(54) MULTIFUNCTIONAL SOIL CONDITIONER FOR RESISTING ROOT ROT AND RETAINING WATER AND PREPARATION METHOD THEREOF	(71) MiFood B.V.	(22) 29.12.2021
(71) Shandong Academy of Agricultural Sciences	(74) ir. H.A. Witmans c.s.	(54) LARGE-FIELD-OF-VIEW INFRARED THERMAL IMAGING OPTICAL SYSTEM
(74) ir. W.J.J.M. Kempes	(72) Raymond Philippe Hubert Etienne Nolet	(71) Foshan University
(72) Yuwen Shen	(41) 04.07.2023	(74) ir. W.J.J.M. Kempes
Zongxin Li	(51) A45C 5/04	(72) Liping Wang
Haijun Zhao	A45C 13/26	Yanxiong Wu
Haitao Lin	B65D 1/38	Haishu Tan
Xiaozong Song	B65D 25/32	Yang Xiang
Ping Liu	(21) 2030327	(41) 04.07.2023
Kaichang Liu	(22) 29.12.2021	(51) A61F 2/72
Jiangtao Wang	(54) An assembly of a carrier and a U-shaped handle	(21) 2032228
(41) 04.07.2023	(71) Burgers Beheer B.V.	(22) 21.06.2022
(51) A22C 21/00	(74) ir. A.R. Aalbers	(54) INTELLIGENT LOWER LIMB PROSTHESIS OF PERCUTANEOUSLY IMPLANTED OSSEOINTEGRATION
(21) 2033734	(72) Annelies den Besten	(71) The Fourth Medical Center of PLA General Hospital
(22) 16.12.2022	(41) 04.07.2023	(74) dr. T. Wittop Koning PhD
(54) FULLY AUTOMATIC FROZEN POULTRY CHOPPING APPARATUS	(51) A47G 25/90	(72) Xuelin Zhao
(71) Qingdao University of Technology	(21) 1044242	Meng Xu
(74) ir. W.J.J.M. Kempes	(22) 28.12.2021	Tao Ji
(72) Wenjing Li	(54) Underwear & Pant Lifting Device for the old ages and people with disabilities	Yan Shi
Wei Mao	(71) Shahrokh Faez	Dongquan Xiang
Yefei Liu	(74) drs. P.A. van Essen c.s.	(31) 202111579153.2
Guoyan Yang	(72) Shahrokh Faez	(32) 22.12.2021
Xin Gao	(41) 03.07.2023	(33) China
Fu'e Ren	(51) A47K 3/28	(51) A61F 5/01
Lingyan Ma	A61N 5/06	(21) 2030191
Fuxing Gu	(21) 2030283	(22) 20.12.2021
(31) 202123220556.6	(22) 24.12.2021	(54) An ankle support comprising an one-piece shell having a lateral shell section, and a medial shell section
(32) 20.12.2021	(54) Device for radiating UV and/or IR radiation to a human body in a humid room	(71) Nea International B.V.
	(71) Sunshower IP BV	(74) ir. A. Blokland c.s.
	(74) ir. H.Th. van den Heuvel c.s.	

(72) Agnes Theodora Maria Voskuilen Jeroen Hendrik Johan Koeslag (41) 28.06.2023	(71) Sun Yat-sen University Sun Yat-sen University Cancer Center (Affiliated Cancer Hospital of Sun Yat-sen University, Cancer Research Institute of Sun Yat-sen University)	(74) ir. H.Th. van den Heuvel c.s. (72) Pieter Merijn Wegdam Wiebe Jelmer Koehler (41) 30.06.2023
(51) A61F 5/01 (21) 2031691 (22) 25.04.2022 (54) Kniebrace voor het ondersteunen van een kniegewricht	(74) ir. F.A. Geurts c.s. (72) Jieying Yang Jianchuan Xia Tong Xiang	(51) A63B 7/02 (21) 2030922 (22) 14.02.2022 (54) GYMNASTIC APPARATUS FORCE BEARING FRAME AND FIBER STRUCTURE
(71) Antonius Petrus Johannes Maria Cuyten Rob Bogie (74) ir. G.J.M. Verhees (72) Antonius Petrus Johannes Maria Cuyten Rob Bogie	(31) 202111590199. 4 (32) 23.12.2021 (33) China	(71) Shandong Taishan Sports Equipment Co., Ltd. (74) drs. A.A. Jilderda (72) Gang Cui Hao Chen Wei Wang Wenhao Zhang Wei Zhang He Wang Desen Xu Changrong Pan
(41) 04.07.2023 (31) 2030356 (32) 29.12.2021 (33) Netherlands	(51) A61L 2/20 (21) 2033814 (22) 23.12.2022 (54) APPARAAT, SYSTEEM EN WERKWIJZE VOOR HET DESINFECTEREN VAN EEN KAMER	(31) 20211601810.9 (32) 24.12.2021 (33) China
(51) A61K 36/185 A61K 36/30 A61K 36/736 A61K 36/752 A61K 36/489 A61K 36/54 A61K 36/708 A61P 7/04	(71) ROAM TECHNOLOGY NV (74) dr. ir. G.J.C. Verdijk c.s. (72) Jos Roebben	(51) B01D 15/40 B01D 53/00 B01D 15/16 B01D 5/00
(21) 2031436 (22) 29.03.2022 (54) HEMORRHOID AND FISTULA MIXTURE	(31) 2021/6074 (32) 27.12.2021 (33) Belgium	(21) 2033813 (22) 23.12.2022 (54) HIGH-EFFICIENCY SUPERCRITICAL EQUIPMENT
(71) Zuomin Li (74) ir. M.B. Plaggenborg (72) Zuomin Li	(31) 2021/6075 (32) 27.12.2021 (33) Belgium	(71) Jiangsu Hanbon Science & Technology Co.,Ltd (74) drs. C.M.A. Quintelier (72) Qingsong Li Genshui Liu Jie Liu
(41) 28.06.2023 (31) 202111564183.6 (32) 20.12.2021 (33) China	(51) A61L 9/05 (21) 2030328 (22) 29.12.2021	(31) 202111654509.4 (32) 30.12.2021 (33) China
(51) A61K 36/355 A61K 36/53 A61K 36/82 A61P 11/00 A61K 36/752 A61K 36/42 A61K 36/489 A61K 9/00	(54) Geurverwijderaar en werkwijze voor het reinigen van een afsluitbare ruimte (71) Carfreshfresh B.V. (72) Theodoor Rudolf Görs	(51) B01D 53/58 C05C 3/00 (21) 2030259 (22) 23.12.2021 (54) Neutralisatiemethode en neutralisatiewasser voor zuur ammoniumsulfaat
(21) 2033681 (22) 07.12.2022 (54) TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING RESPIRATORY TRACT INFECTION AND PREPARATION METHOD AND APPLICATION THEREOF	(41) 04.07.2023 (51) A61M 16/10 A61M 16/16 (21) 2030307 (22) 27.12.2021	(71) GMB BioEnergie Zutphen B.V. (74) dr. R.C. van Duijvenbode c.s. (72) Gerrit Jan van de Pol
(71) Beijing Zhongbao Jiayi International Biotechnology Research Co., Ltd. (74) ir. M.B. Plaggenborg (72) Lei Jia Faguang Hu	(71) Stichting Het Nederlands Kanker Instituut - Antoni van Leeuwenhoek Ziekenhuis Blok Additive Manufacturing B.V. (74) dr. R.C. van Duijvenbode c.s. (72) Maarten Jan Antony van Alphen Boris Theodore van Putten Maartje Leemans Sara Hillegonda Muller Bas Koper	(51) B01D 53/75 (21) 2030257 (22) 23.12.2021 (54) Luchtreinigingssysteem en luchtreinigingsmethode voor proceslucht uit een biologische slijbdrooginstallatie
(31) 202111572283.3 (32) 21.12.2021 (33) China	(41) 03.07.2023 (51) A61N 5/06 A47K 3/28 (21) 2030286 (22) 24.12.2021	(71) GMB BioEnergie Zutphen B.V. (74) dr. R.C. van Duijvenbode c.s. (72) Gerrit Jan van de Pol
(51) A61K 39/395 A61K 31/47 A61P 35/00	(54) Device for radiating UV and/or IR radiation to a human body in a humid room (71) Sunshower IP BV	(51) B01D 65/00 B01D 53/22 B01D 71/02 B01J 19/24 F16L 21/04 F16L 49/02 (21) 2030179
(21) 2033623 (22) 28.11.2022 (54) USE OF LENVATINIB PLUS ANTI- PD-1 MONOCLONAL ANTIBODY IN PREPARATION OF ANTI-HEPATOMA DRUG		

(22) 17.12.2021	(72) Xuefeng Zou	(21) 2030297
(54) Sealing method for the sealing of a metal sleeve to an inorganic membrane, sealed inorganic membrane, and use of a sealed inorganic membrane	Fushao Li	(22) 24.12.2021
(71) Technische Universiteit Eindhoven	Qingqing Wu	(54) BLANKING METHOD AND BLANKING DEVICE
(74) ir. A. Blokland c.s.	Ling Chen	(71) Robert Bosch GmbH
(72) Arash Rahimalimamaghani	Hengxiu Yang	(74) ir. G.A.J.M. Plevier
Fausto Gallucci	Hujun Shen	(72) Guiseppe Ciolino
Erik van Herk	Mingsen Deng	(51) B22F 9/08
(51) B01D 67/00	(41) 04.07.2023	C22B 1/00
B01D 71/02	(31) 202111636907.3	(21) 2033810
B01D 69/10	(32) 29.12.2021	(22) 22.12.2022
B01D 53/22	(33) China	(54) METHOD FOR ENRICHING PRECIOUS METALS FROM LEAN AND MISCELLANEOUS MATERIALS
(21) 2030180	(51) B08B 5/02	(71) Honghe University
(22) 17.12.2021	B07C 5/342	(74) ir. M.B. Plaggenborg
(54) A process for the preparation of a supported carbon membranes (CMs).	(21) 2030344	(72) Lida Sun
(71) FUNDACION TECNALIA RESEARCH&INNOVATION	(22) 29.12.2021	Kunbin Yang
Technische Universiteit Eindhoven	(54) ACCURATE ORE SORTING DEVICE	Mengyang Huang
(74) ir. A. Blokland c.s.	(71) Chinese Academy of Geological Sciences	Yan Jiang
(72) Arash Rahimalimamaghani	(74) ir. W.J.J.M. Kempes	Xingxiang Fan
Fausto Gallucci	(72) Xiaofei Li	Na Wu
Margot Anabell Llosa Tanco	Kai Liu	(31) 202111656299.2
David Alfredo Pacheco Tanaka	Xuejun Zhang	(32) 31.12.2021
(41) 28.06.2023	Zenan Zhao	(33) China
(51) B01L 3/00	Kemo Jin	(51) B25J 15/06
C12M 3/06	Yongchao Wang	B65G 47/91
C12M 1/00	Yaoyao Zhang	(21) 2030229
(21) 2030210	Shanshan Wang	(22) 22.12.2021
(22) 21.12.2021	Xiaobo Zhang	(54) A system and method for engaging a product for product handling
(54) Method for cleaning a microfluidic device using an ionic liquid	Tao Wang	(71) AWL-Techniek B.V.
(71) LUMICKS CA Holding B.V.	(41) 04.07.2023	(74) ir. H.A. Witmans c.s.
(74) ir. A.R. Aalbers	(51) B09C 1/00	(72) Luuk Jochem Elbert Nollet
(72) Rui Pedro Rijo da Costa Carvalho	B07C 5/342	Hendrik Kroese
(41) 29.06.2023	(21) 2030334	Ernst Theodoor Bahlman
(51) B05B 13/02	(22) 29.12.2021	(51) B29C 35/02
(21) 2035142	(54) Werkwijze voor het scheiden van grond in een aantal reststromen	B29C 35/08
(22) 21.06.2023	(71) Theo Pouw Secundaire Bouwstoffen B.V.	B01J 19/12
(54) STABLE-CLAMPING CLAMPING DEVICE FOR RING PART MACHINING,	(74) ir. A. Blokland c.s.	(21) 2030194
(71) Ma'anshan Chenxu Machinery Manufacturing Co.,Ltd	(72) Alexander Pouw	(22) 20.12.2021
Wuhu Technology and Innovation Research Institute, AHUT	(41) 04.07.2023	(54) a method of processing a flow of confectionary mass and a device arranged for heating a flow of confectionary mass
ANHUI UNIVERSITY OF TECHNOLOGY	(51) B21D 13/02	(71) Fassin Tussenhoudster B.V.
(74) ir. W.J.J.M. Kempes	B21D 37/01	(74) ir. A. Blokland c.s.
(72) Wei Wei	C21D 1/09	(72) Patricia Annemarie Paula Maria Fassin
Tao Wang	B23P 15/00	Thomas Kurt Xaver Fassin
Sifu Cheng	(21) 2030298	(41) 28.06.2023
Zhiqi Shi	(22) 24.12.2021	(51) B29C 64/118
Liping Shi	(54) A METHOD FOR MANUFACTURING A DIE FOR PRESS FORMING PLATE MATERIAL	B29C 64/40
Meng Li	(71) Robert Bosch GmbH	B29C 64/393
(31) 202210713300.9	(74) ir. G.A.J.M. Plevier	B33Y 10/00
(32) 22.06.2022	(72) Jaap Terpstra	B33Y 50/02
(33) China	(51) B21D 13/02	(21) 2030255
(51) B08B 5/00	H01M 8/026	(22) 23.12.2021
G01N 33/18	(21) 2030189	(54) Support printing in FFF using crystalline interface layer
C02F 9/00	(22) 19.12.2021	(71) Ultimaker B.V.
(21) 2032103	(54) A DIE PAIR FOR MANUFACTURING A 3D-SHAPED PLATE BY PRESS FORMING, A DIE OF THE DIE PAIR AND A PRESS-FORMING METHOD USING THE DIE PAIR	(74) dr. R.C. van Duijvenbode c.s.
(22) 08.06.2022	(71) Robert Bosch GmbH	(72) Johan Andreas Versteegh
(54) AUTOMATIC CIRCULATING COOLING WATER TREATMENT CONTROL SYSTEM AND CONTROL METHOD	(74) ir. G.A.J.M. Plevier	Beerend Groot
(71) GUIZHOU EDUCATION UNIVERSITY	(72) Giel Rompen	Tom Heijmans
(74) ir. M.B. Plaggenborg	(41) 28.06.2023	(51) B29D 11/02
	(51) B21D 53/14	B29D 11/00
	B21D 28/16	(21) 2030237

(22) 22.12.2021	B32B 3/04	(33) China
(54) Method and an assembly for removing an intraocular lens from an injection molded mold half	B32B 5/02 H01L 31/0216 H01L 31/0232	(51) B61L 27/60 G09B 5/14 G09B 19/00 G09B 5/02
(71) AMO Groningen B.V.	H01L 31/049	(21) 2030311
(74) ir. H.A. Witmans c.s.	(21) 2030172	(22) 28.12.2021
(72) Richard Henricus Christianus Eijmberts Rob Bugel Martin Dinant Bijker Franciscus Henricus Cornelius Maria Bijnen Mitchell Gerardus Maas	(22) 17.12.2021 (54) Method for manufacturing a decorative laminate panel. (71) Trespa International B.V. (74) ir. A. Blokland c.s. (72) Henricus Hubertus Maria Kömhoff Maria Pyrgeli	(54) CLOUD PLATFORM OF TRAIN SERVICE TRAINING SYSTEM BASED ON DECENTRALIZED SELF-DISCIPLINE AND CENTRALIZED TRAFFIC CONTROL SYSTEM (71) BEIJING JIAOTONG UNIVERSITY
(41) 29.06.2023	Safae Larhziel	(74) ir. W.J.J.M. Kempes
(51) B29D 30/00 B29D 30/26	Isabel Maria Marques Da Silva Macedo	(72) Bin Zhang Qunxing Yue Yixiang Yue Mingxuan Zhong Xiangyu Su
(21) 2030260	(41) 28.06.2023	(41) 03.07.2023
(22) 23.12.2021	(51) B60L 13/06 B60L 13/08 B61B 13/08 E01B 25/30 E01B 25/32 H01F 7/02 B65G 54/02	(51) B62D 57/02 B60G 3/18 (21) 2031560 (22) 12.04.2022
(54) Festoener, steering roller and method for guiding a strip for tire building along a buffer path	(21) 2030252 (22) 23.12.2021 (54) Improved National Individual Floating Transport Infrastructure	(54) HIGHLY FLEXIBLE SEVEN-DEGREE-OF-FREEDOM WHEEL-LEGGED ROBOT LEG STRUCTURE (71) Yanshan University (74) ir. M.B. Plaggenborg (72) Mengkai Xu Xiangdong Kong Qixin Zhu Bin Yu Xinjie Li Kaixian Ba
(71) VMI Holland B.V.	(71) Stichting Radboud Universiteit	(31) 202111601303.5
(74) ir. F.A. Geurts c.s.	(74) drs. P.A. van Essen c.s.	(32) 24.12.2021
(72) Marcel Smits Teunis Johannes Verbruggen	(72) Nigel Edward Hussey (41) 29.06.2023	(33) China
(41) 29.06.2023	(51) B60L 53/66 B62H 3/04 B62H 3/00 B60L 53/12 B60L 53/36	(51) B62J 6/06 B62J 6/015 B62J 43/30 B62J 45/40 B62J 50/22 B62J 99/00
(51) B32B 27/08 B32B 27/28 B32B 27/32 B32B 27/34 B32B 27/36 B01L 3/00 B32B 37/12 B32B 37/00	(21) 2034772 (22) 08.05.2023 (54) Rijwioldockingsysteem voor het uitwisselen van gegevens en/of voor inductief laden (71) Kooymans Beheer BV (74) ir. G.J.M. Verhees (72) Antonius Gerardus Petrus Johannes Kooijmans	(21) 2030292 (22) 24.12.2021 (54) Self-powered system for a bicycle (71) Classified Cycling BV (74) ir. H.A. Witmans c.s. (72) Thomas Jean Valero Roëll Marie van Druten
(21) 2030209	(21) 2034772	(41) 30.06.2023
(22) 21.12.2021	(22) 08.05.2023	(51) B62K 23/02 B62M 25/08 B62M 25/04
(54) PROCESS FOR MANUFACTURING A MICROFLUIDIC DEVICE	(54) Rijwioldockingsysteem voor het uitwisselen van gegevens en/of voor inductief laden (71) Kooymans Beheer BV (74) ir. G.J.M. Verhees (72) Antonius Gerardus Petrus Johannes Kooijmans	(21) 2030296 (22) 24.12.2021 (54) Control module for a bicycle (71) Classified Cycling BV (74) ir. H.A. Witmans c.s. (72) Roëll Marie van Druten Thomas Jean Valero
(71) Surfex B.V.	(71) Haro van Galen Martinus Wilhelmina Paulus Kuijpers Arnoldus Johannes Ignatius Maria Roijackers	(41) 30.06.2023
(74) drs. J. Renkema	(74) ir. H.A. Witmans c.s.	(51) B63B 3/08 B63B 35/40 B63B 27/36 B63B 29/18
(72) Wout Knoben Luc Scheres Johannes Teunis Zuilhof Rui Pedro Rijo Da Costa Carvalho	(72) Haro van Galen Martinus Wilhelmina Paulus Kuijpers Arnoldus Johannes Ignatius Maria Roijackers	
(41) 29.06.2023	(72) Haro van Galen Martinus Wilhelmina Paulus Kuijpers Arnoldus Johannes Ignatius Maria Roijackers	
(51) B44C 1/22 E04F 15/02	(51) B60N 3/06 B60N 2/24	
(21) 2030319	(21) 2030274	
(22) 28.12.2021	(22) 23.12.2021	
(54) Method for manufacturing personalized decorative laminated panels, and personalized decorative laminated panels	(54) Vehicle cabin with a right foot support (71) DAF Trucks N.V. (74) ir. H.A. Witmans c.s. (72) Haro van Galen Martinus Wilhelmina Paulus Kuijpers Arnoldus Johannes Ignatius Maria Roijackers	
(71) I4F LICENSING NV	(71) DAF Trucks N.V.	
(74) ir. H.Th. van den Heuvel c.s.	(74) ir. H.A. Witmans c.s.	
(72) Eddy Alberic Boucké	(72) Haro van Galen Martinus Wilhelmina Paulus Kuijpers Arnoldus Johannes Ignatius Maria Roijackers	
(41) 03.07.2023	(72) Haro van Galen Martinus Wilhelmina Paulus Kuijpers Arnoldus Johannes Ignatius Maria Roijackers	
(51) B44C 5/04 B32B 27/08 B32B 27/10 B32B 27/12 B32B 27/30 B32B 27/32 B32B 29/00 B32B 37/02 B32B 37/04 B32B 37/06 B32B 37/10 H01L 31/048 H02S 20/26	(41) 29.06.2023 (51) B60R 9/10 B60R 9/06 (21) 2035074 (22) 12.06.2023 (54) CAR STORAGE RACK (71) Jianbo Tao (74) ir. M.B. Plaggenborg (72) Jianbo Tao (31) 202221852717.5 (32) 18.07.2022	

B63B 25/00	(54) A separation apparatus and method for dividing a stack of products	(41) 04.07.2023
(21) 2030224	(71) Trivium Packaging Group Netherlands B.V.	(31) 202111637847.7
(22) 22.12.2021	(74) dr. R.C. van Duijvenbode c.s.	(32) 29.12.2021
(54) Water craft and method for manufacturing such a water craft	(72) Rene Koster	(33) China
(71) X-Treme Yachts B.V.	(51) B66C 3/12	(51) C04B 18/16
(74) ir. F.A. Geurts c.s.	(21) 2030293	(21) 2030294
(72) Jan Vink	(22) 24.12.2021	(22) 24.12.2021
Tjerko Onno Jurgens	(54) Rope operated mechanical grab	(54) Werkwijze voor het terugwinnen van bouwstoffen uit betonpuin.
(51) B63B 34/67	(71) Verstegen-Grijpers B.V.	(71) Theo Pouw B.V.
(21) 2032729	(74) ir. J.C. Volmer c.s.	(74) ir. A. Blokland c.s.
(22) 11.08.2022	(72) Peter Jan Willem Visser	(72) Alexander Pouw
(54) Towing system for a water sports boat	(41) 30.06.2023	(41) 30.06.2023
(71) Joris Jan Maria van Aelst	(51) B66C 23/18	(51) C05G 3/40
(74) ir. J.C. Volmer c.s.	B66C 23/28	C05G 3/90
(72) Joris Jan Maria van Aelst	B66C 23/34	C05G 5/12
(51) B64C 39/10	B66C 23/20	C05G 5/30
B64C 23/06	F03D 13/10	C05G 3/20
B64C 3/50	(21) 2030208	C05G 3/80
B64C 29/00	(22) 21.12.2021	C05G 3/80
B64C 39/02	(54) ERECTING A SELF-CLIMBING TOWER	(21) 2030310
B64C 3/44	CRANE	(22) 28.12.2021
(21) 2030268	(71) Itrec B.V.	(54) GYPSUM-COATED SLOW RELEASE FERTILIZER, AND PREPARATION METHOD AND USE THEREOF
(22) 23.12.2021	(74) ir. J.C. Volmer c.s.	(71) INSTITUTE OF SOIL SCIENCE, CHINESE ACADEMY OF SCIENCES
(54) FIXED-WING AIRCRAFT	(72) Diederick Bernardus Wijning	(74) ir. W.J.J.M. Kempes
(71) DeltaQuad B.V.	(41) 29.06.2023	(72) Xin Zhang
(74) dr. ir. G.J.C. Verdijk c.s.	(51) C02F 1/26	Xiangping Wang
(72) Coenraad Louis Smeenk	C02F 3/00	Rongjiang Yao
(41) 29.06.2023	C02F 1/62	Jingsong Yang
(51) B65D 5/44	C12N 1/20	Wenping Xie
B65D 5/52	(21) 2032420	(51) C07C 231/02
(21) 2033860	(22) 07.07.2022	C07C 231/12
(22) 28.12.2022	(54) PREPARATION METHOD OF IMMOBILIZED MICROBIAL BEAD, AND USE THEREOF	C07C 233/81
(54) Decorative device for cardboard or plastic boxes.	(71) University of South China	C07C 237/42
(71) SanLucar Fruit, S.L.U.	(74) ir. M.B. Plaggenborg	(21) 2033448
(74) ir. A. Blokland c.s.	(72) Xiaoling Zhang	(22) 02.11.2022
(72) Maria Plasencia Ferrando	Taotao Zeng	(54) SYNTHESIS METHOD OF AROMATIC AMINE CARBOXYLIC ACID DERIVATIVE
(31) 202132552	Xin Song	(71) Beijing Yinong Biotechnology Co., Ltd.
(32) 29.12.2021	Liangqin Wang	(74) ir. M.B. Plaggenborg
(33) Spain	Guohua Wang	(72) Wenyan Qu
(51) B65G 1/02	Yingjiu Liu	(31) 202111635561.5
B65D 19/12	Yulin Zhou	(32) 29.12.2021
A47B 43/00	Jinxiang Liu	(33) China
(21) 1044241	(41) 29.06.2023	(51) C08G 14/08
(22) 21.12.2021	(31) 202111571816.6	C14C 3/20
(54) Palletrek	(32) 21.12.2021	(21) 2030308
(71) Palletflat	(33) China	(22) 27.12.2021
(72) Gerrit Jan Konijnenberg	(51) C02F 5/12	(54) Formaldehyde-free aromatic syntan an method for producing
(41) 29.06.2023	C02F 103/02	(71) Exploitatiemaatschappij Smit-Vecht B.V.
(51) B65G 39/12	(21) 2032834	(74) dr. R.C. van Duijvenbode c.s.
B65G 15/48	(22) 23.08.2022	(72) Ramakrishna Prasad Muppa
B65G 43/02	(54) PHOSPHORUS-FREE CORROSION AND SCALE INHIBITOR AND PREPARATION METHOD AND APPLICATION THEREOF	Anouk Roolvink
B65G 45/18	(71) Guizhou Education University	(51) C09C 1/58
(21) 2030306	(74) ir. W.J.J.M. Kempes	C08J 3/22
(22) 27.12.2021	(72) Hengxiu Yang	C08K 3/04
(54) System for servicing a metal transfer belt	Qingqing Wu	C08L 7/00
(71) Trivium Packaging Group Netherlands B.V.	Mingsen Deng	C08L 9/06
(74) dr. R.C. van Duijvenbode c.s.	Xue He	(21) 2033781
(72) Philip Eduard Slot	Xuefeng Zou	(22) 21.12.2022
Paul Frederik Klopper	Hujun Shen	
Martijn Pijpers	Fushao Li	
(51) B65G 47/88	Ling Chen	
(21) 2030329		
(22) 29.12.2021		

(54) METHOD OF ENHANCING CARBON PRODUCT PERFORMANCE IN ELASTOMERS	(54) Samenstelling voor het verwijderen van bestanddelen die vet omvatten	(72) Martinus Kers Klaas Heijmans
(71) Beyond Lotus LLC	(71) HG International B.V.	(41) 29.06.2023
(74) ir. H.A. Witmans c.s.	(74) ir. A. Blokland c.s.	(51) C12Q 1/14
(72) Michael Beaulieu	(72) Karin van der Pol-Blijleven	C12Q 1/10
Frederick H. Rumpf	Barry Derriks	(21) 2030349
Michael Zhang	(41) 29.06.2023	(22) 29.12.2021
Jincheng Xiong	(51) C11D 7/06	(54) METHOD FOR ISOLATION AND SCREENING AND EVALUATION OF ANTIBIOTIC RESISTANCE OF E. COLI AND S. AUREUS IN ESTUARY AND NEARSHORE MARINE ENVIRONMENT
Michael D. Morris	C11D 7/50	(71) National Marine Environmental Monitoring Center
(31) 63/292,049	C11D 1/825	Hainan Tropical Ocean University
(32) 21.12.2021	(21) 2030269	(74) ir. W.J.J.M. Kempes
(33) United States of America	(22) 23.12.2021	(72) Ruijing Li
(51) C09J 189/04	(54) Vloeibare samenstelling voor het verwijderen van vette afzettingen van een oppervlak, werkwijze voor het verwijderen van vette afzettingen van een oppervlak, en gebruik van een dergelijke samenstelling voor het verwijderen van vette afzettingen van een oppervlak.	Haibo Zhang
(21) 2030233	(71) HG International B.V.	Guangshui Na
(22) 22.12.2021	(74) ir. A. Blokland c.s.	Hui Gao
(54) Adhesive from wet bacterial biomass	(72) Karin van der Pol-Blijleven	Shuaichen Jin
(71) Paques Biomaterials Holding B.V.	Barry Derriks	(41) 04.07.2023
Technische Universiteit Delft	(51) C12N 1/02	(51) C12Q 1/6816
(74) drs. P.A. van Essen c.s.	C12N 1/14	C12Q 1/6897
(72) Jelmer Tamis	(21) 2031981	C12Q 1/689
Stephen James Picken	(22) 25.05.2022	(21) 2031712
(41) 29.06.2023	(54) SMALL-HOLE ISOLATION METHOD FOR RAPID REMOVING BACTERIAL CONTAMINATION IN FUNGUS	(22) 26.04.2022
(51) C09K 11/06	(71) Zhejiang Academy of Agricultural Sciences	(54) METHOD AND KIT FOR RAPID IN-SITU DETECTION OF FOODBORNE PATHOGENIC BACTERIA VIBRIO PARAHAEMOLYTICUS AND USE THEREOF
G01N 21/64	(74) drs. C.M.A. Quintelier	(71) Institute of Environmental and Operational Medicine
C07D 235/02	(72) Haiping Qiu	(74) ir. M.B. Plaggenborg
(21) 2031076	Guochang Sun	(72) Xi Zhang
(22) 24.02.2022	Zhen Zhang	Jingfeng Wang
(54) MOLECULAR MATERIAL PROVIDING DUAL-DUAL/QUADRUPLE DETECTION SIGNALS IN RESPONSE TO PH CHANGE AND APPLICATION THEREOF	Rongyao Chai	Chenyu Li
(71) DEZHOU UNIVERSITY	Xueqin Mao	Shang Wang
(74) ir. M.B. Plaggenborg	Xiaoxiao Shi	Zhiqiang Shen
(72) Longlong Geng	Yanli Wang	Huaxiu Bi
Haochen Wang	Jiaoyu Wang	Bin Xue
Xiuling Zhang	(41) 28.06.2023	Xiaobo Yang
Yongzheng Zhang	(51) C12N 1/20	Zhigang Qiu
Hui Hu	A23L 17/00	Chen Zhao
Yuting Chen	A23B 4/033	(41) 03.07.2023
Shikai Wei	A23B 4/22	(31) 202111625293.9
Jingjie Yan	(21) 2031364	(32) 28.12.2021
(41) 03.07.2023	(22) 22.03.2022	(33) China
(31) 202111608030.7	(54) Dried Fish Fermentation Process and Starter Culture Development Technology	(51) C12Q 1/6818
(32) 27.12.2021	(71) Zhejiang Gongshang University	C12Q 1/689
(33) China	(74) drs. C.M.A. Quintelier	(21) 2033913
(51) C10M 169/04	(72) Jiacheng Yang	(22) 05.01.2023
C10M 139/06	Renyao Jin	(54) Method for detecting Vibrio parahaemolyticus by fluorescence quenching probe
(21) 2030880	Yanling Song	(71) HEFEI UNIVERSITY OF TECHNOLOGY
(22) 09.02.2022	(31) 202111682782.8	(74) dr. T. Wittop Koning PhD
(54) ANTI-WEAR AND ENERGY-SAVING ENGINE OIL CONTAINING ORGANIC MOLYBDENUM AND PREPARATION METHOD THEREFOR	(32) 31.12.2021	(72) Yuwei Ren
(71) Beijing Shengxin Hexie Lubricating Co., Ltd.	(33) China	Na Ling
(74) ir. M.B. Plaggenborg	(51) C12N 15/82	Yingwang Ye
(72) Chungeng Wang	A01G 9/00	Yizhong Shen
Chunyong Wang	A01G 22/00	Danfeng Zhang
(31) 202111563190.4	(21) 2030273	Lulu Cao
(32) 20.12.2021	(22) 23.12.2021	(41) 04.07.2023
(33) China	(54) Werkwijze voor het produceren van een verbinding	(31) 202210712052.6
(51) C11D 1/72	(71) Plantlab Groep B.V.	(32) 22.06.2022
C11D 3/30	(74) drs. A.A. Jilderda	(33) China
C11D 3/33		
(21) 2030200		
(22) 21.12.2021		

(51) C12Q 1/6883	Shandong Provincial Animal Disease Prevention and Control Center	Band (Foshan) Metallic Composite Materials Co., Ltd.
(21) 2030347	(Shandong Zoonotic Epidemiology and Monitoring Center)	(74) ir. W.J.J.M. Kempes
(22) 29.12.2021	(74) ir. W.J.J.M. Kempes	(72) Kaiming Wu
(54) PRIMER SET FOR DETECTING MUTATIONS OF HUMAN SERPINF1 GENE AND KIT THEREOF	(72) Zhenshan Cao	Lifu Yang
(71) Shandong First Medical University & Shandong Academy of Medical Sciences	Weiliang Yuan	(31) 202310324523.0
(74) ir. W.J.J.M. Kempes	Zouran Lan	(32) 29.03.2023
(72) Jinxiang Han	Yungang Li	(33) China
Dan Yang	Yanling Wang	(51) C22C 19/05
Yangqin Lu	Xiaoxue Yang	(21) 2035022
Wei Zhi	Miaoli Wang	(22) 07.06.2023
Chang Chen	Huiling Ma	(54) B-ELEMENT MICRO-ALLOYED BULK HIGH-ENTROPY ALLOY WITH HIGH WEAR RESISTANCE, PREPARATION METHOD THEREFOR, AND APPLICATIONS THEREOF
Junfeng Li	(31) 202210716891.5	(71) Band (Foshan) Metallic Composite Materials Co., Ltd.
Keying Qian	(32) 23.06.2022	Sino-Energy Huayuan Floating Wind Institute
Zijian Zhang	(33) China	Wuhan University of Science and Technology
(41) 04.07.2023	(51) C14C 3/00	(74) ir. W.J.J.M. Kempes
(51) C12Q 1/6888	C01B 39/02	(72) Kaiming Wu
(21) 2033977	(21) 2030692	Lifu Yang
(22) 18.01.2023	(22) 25.01.2022	(31) 202310343618.7
(54) Recombinase Polymerase Amplification Primers and Probe, Kit for Rapid Detection of Heterodera filipjevi and Applications	(54) Zeolite Particles	(32) 29.03.2023
(71) Institute of Plant Protection(IPP).Chinese Academy of Agricultural Sciences(CAAS)	(71) PQ Silicas UK Limited	(33) China
(74) dr. T. Wittop Koning PhD	PQ Silicas BV	(51) C22C 19/05
(72) Wenkun Huang	(74) A. Rivière	(21) 2035024
Hudie Shao	(72) Moses Rathbun	(22) 07.06.2023
Lingan Kong	Simon Stebbing	(54) LA-ELEMENT MICRO-ALLOYED AICrFeNiTi SERIES BULK ALLOY WITH HIGH CORROSION RESISTANCE AND WEAR RESISTANCE, AND PREPARATION METHOD THEREFORE AND APPLICATIONS THEREOF
Huan Peng	Roger Janssen	(71) Sino-Energy Huayuan Floating Wind Institute
Deliang Peng	(31) 2118809.9	Band (Foshan) Metallic Composite Materials Co., Ltd.
(41) 04.07.2023	(32) 22.12.2021	Wuhan University of Science and Technology
(31) 202210106161.3	(33) United Kingdom	(74) ir. W.J.J.M. Kempes
(32) 28.01.2022	(51) C21B 13/00	(72) Kaiming Wu
(33) China	(21) 2030295	Lifu Yang
(51) C12Q 1/689	(22) 24.12.2021	(31) 202310324519.4
(21) 2033865	(54) A method for producing iron fuel.	(32) 29.03.2023
(22) 29.12.2022	(71) Renewable Iron Fuel Technology B.V.	(33) China
(54) METHOD FOR DETECTING SALMONELLA TYPHIMURIUM BY FLUORESCENT PROBE BASED ON NITROGEN AND SULFUR CO-DOPED GRAPHENE QUANTUM DOTS	(74) ir. A. Blokland c.s.	(51) D06B 23/04
(71) HEFEI UNIVERSITY OF TECHNOLOGY	(72) Lex Scheepers	(21) 2030331
(74) dr. T. Wittop Koning PhD	Marcus Wilhelmus Petrus Verhagen	(22) 29.12.2021
(72) Lulu Cao	(41) 30.06.2023	(54) scCO2 dyeing system
Danfeng Zhang	(51) C22B 3/00	(71) Penn Asia Co., Ltd.
Yuwei Ren	(21) 2031808	(74) ir. H.A. Witmans c.s.
Yingwang Ye	(22) 09.05.2022	(72) Wudthipong Yeh
Na Ling	(54) METHOD FOR LEACHING CHALCOPYRITE	Sorin Mic
Yizhong Shen	(71) Chinese Academy of Geological Sciences	(51) E01C 3/04
(41) 28.06.2023	(74) ir. M.B. Plaggenborg	(21) 2030350
(31) 202210857738.4	(72) Xuejun Zhang	(22) 29.12.2021
(32) 21.07.2022	Zenan Zhao	(54) A LONG AND SHORT PILE-SLAB STRUCTURE FOR CONTROLLING THE DIFFERENTIAL SETTLEMENT OF EXPRESSWAY TRANSITION SECTION AND A CONSTRUCTION METHOD THEREOF
(33) China	Yaoyao Zhang	
(51) C12Q 1/689	Kai Liu	
C12Q 1/6851	Xiaobo Zhang	
(21) 2034931	(31) 202111577550.6	
(22) 26.05.2023	(32) 22.12.2021	
(54) Specific primer and probe for detecting Rothia nasimurium and application thereof	(33) China	
(71) Qingdao Animal Health National Engineering Technology Research Center Co., Ltd.	(51) C22C 19/05	
	(21) 2035023	
	(22) 07.06.2023	
	(54) Nb-ELEMENT MICRO-ALLOYED BULK MULTI-COMPONENT ALLOY WITH HIGH-TEMPERATURE RESISTANCE AND WEAR RESISTANCE, PREPARATION METHOD THEREFOR, AND APPLICATIONS THEREOF	
	(71) Wuhan University of Science and Technology	
	Sino-Energy Huayuan Floating Wind Institute	

(71) National Engineering Laboratory for Construction Technology of High Speed Railway Central South University Zhuhai Communication Group Co.,Ltd.	(74) ir. M.B. Plaggenborg (72) Bernardus Petrus Maria van Egmond (31) 2030299 (32) 24.12.2021 (33) Netherlands	(41) 30.06.2023 (51) E04H 6/00 (21) 2030276 (22) 23.12.2021 (54) Modular storage box
(74) ir. W.J.J.M. Kempes (72) Jiale Wan Xiaoxiong Men Weizheng Liu Weijia Chen Mengyuan Ge Wencong Li Zhiguo Shi	(51) E04C 3/18 (21) 2033722 (22) 14.12.2022 (54) BOUWELEMENT, IN HET BIJZONDER EEN VLOERCONSTRUCTIE-ELEMENT, EN TOEPASSING ERVAN (71) BPM Beheer en Ontwikkeling B.V. (74) ir. M.B. Plaggenborg (72) Bernardus Petrus Maria van Egmond (31) 2030299 2032092 (32) 24.12.2021 07.06.2022 (33) Netherlands Netherlands	(71) Robert Prins (74) drs. P.A. van Essen c.s. (72) Robert Prins (41) 29.06.2023 (51) E04H 6/18 (21) 2030340 (22) 29.12.2021 (54) HYDRAULIC ELEVATION IDLER CONVEYING TYPE PUBLIC VEHICLE GARAGE AND VERTICAL PUBLIC VEHICLE PARKING SYSTEM (71) Beijing Shoujia Steel Structure Co.,Ltd. (74) ir. W.J.J.M. Kempes (72) Shukun Xiao Jie Shao Bing Qi Chun Zhou Yongwei Li (41) 04.07.2023
(41) 04.07.2023 (51) E01F 9/608 (21) 2031319 (22) 18.03.2022 (54) INTELLIGENT MANAGEMENT SYSTEM AND METHOD OF URBAN ROAD TRAFFIC SIGNS AND MARKINGS	(51) E04F 13/18 E04F 15/10 (21) 2030320 (22) 28.12.2021 (54) Decorative panel and decorative covering (71) I4F LICENSING NV (74) ir. H.Th. van den Heuvel c.s. (72) Eddy Alberic Boucké (41) 03.07.2023	(51) E06B 9/34 E06B 9/42 (21) 2033864 (22) 29.12.2022 (54) APPARATUS AND METHOD TO ADJUST VANE ANGLE OF DOUBLE FABRIC SHADING BY RESTRAINT OF FACING (71) Comfortex Corporation (74) ir. J.C. Volmer c.s. (72) Thomas J. Marusak Richard D. Watkins Yetman Liu James L. Barss (31) 63/266,107 (32) 29.12.2021 (33) United States of America
(71) ANHUI DAR INTELLIGENT CONTROL SYSTEM CO., LTD. (74) dr. R.C. van Duijvenbode c.s. (72) Nengbao Hao Fei Zhang Jie Fang Gan Wang Zijun Liang Jun Yang	(31) 202111645677.7 (32) 30.12.2021 (33) China (51) E03D 11/08 (21) 2033679 (22) 07.12.2022 (54) Rotary Flushing Type Ceramic Body and Pedestal Pan (71) Huida Sanitary Ware Co., Ltd. (74) ir. C.G.C. Veldman-Dijkers (72) Tao Wang Yanqing Wang Yongming Zhang Xuecheng Wang Zichun Song Lisheng Bi Baohua Feng Jinlong Wang Yuzhong Zhai	(51) E04F 13/18 E04F 15/10 E04F 15/02 (21) 2030318 (22) 28.12.2021 (54) Decorative anti-slip floor covering element and decorative anti-slip floor covering (71) I4F LICENSING NV (74) ir. H.Th. van den Heuvel c.s. (72) Eddy Alberic Boucké (41) 03.07.2023 (51) E04F 15/02 E04F 13/08 E04F 13/18 E04F 15/10 (21) 2030317 (22) 28.12.2021 (54) Decorative panel and method of producing such a panel (71) I4F LICENSING NV (74) ir. H.Th. van den Heuvel c.s. (72) Eddy Alberic Boucké (41) 03.07.2023
(31) CN202123256524.1 (32) 23.12.2021 (33) China (51) E04C 3/18 (21) 2030299 (22) 24.12.2021 (54) HYBRIDE OVERSPANNING (71) BPM Beheer en Ontwikkeling B.V. (74) ir. M.B. Plaggenborg (72) Bernardus Petrus Maria van Egmond (41) 30.06.2023	(51) E04G 21/04 B25J 11/00 B28B 23/02 B29C 64/188 B23P 19/06 B28B 17/00 (21) 2030291 (22) 24.12.2021 (54) Assembly for guiding a helical body into a viscous, pliable, or solidifying material (71) Technische Universiteit Eindhoven (74) ir. A. Blokland c.s. (72) Freek Paul Bos Lauri Hass	(51) F01N 3/20 F01N 9/00 (21) 2030304 (22) 27.12.2021 (54) After treatment heater system and control (71) Daf Trucks N.V. (74) ir. H.A. Witmans c.s. (72) Tim Weidema (41) 03.07.2023 (51) F03B 17/06 (21) 2030251 (22) 23.12.2021 (54) Een horizontale vloeistofturbine en een toepassing van een horizontale vloeistofturbine voor het opwekken van energie (71) Joseph Wilhelmus Peter Wilms (74) ir. A. Blokland c.s. (72) Joseph Wilhelmus Peter Wilms
(51) E04C 3/18 (21) 2032092 (22) 07.06.2022 (54) BOUWELEMENT, WERKWIJZE VOOR HET VERVAARDIGEN VAN HET BOUWELEMENT, EN WERKWIJZE VOOR HET VERVAARDIGEN VAN EEN GEBOUW (71) BPM Beheer en Ontwikkeling B.V.	(71) Technische Universiteit Eindhoven (74) ir. A. Blokland c.s. (72) Freek Paul Bos Lauri Hass	(51) F03D 13/20 F03D 13/25 (21) 2030213 (22) 22.12.2021 (54) Method and connecting ring for mounting a tower to a foundation pile, and a wind turbine generator



(71) Sif Holding N.V.	Paul Bawin	(71) RheaVita BV
(74) ir. H.A. Witmans c.s.	Paul Smets	(74) drs. W.H.P. Derks
(72) Michel Antoin Marie Kurstjens	Roxane Caprara	(72) Jozef Antonius Willem Maria Corver
Stefan Petrus Hendrik Everts	(41) 29.06.2023	Michel Prijs
Hermanus Jan Goverse	(51) F25B 40/00	Menno Cornelis Bouhuijs
(41) 29.06.2023	(21) 2030309	(41) 29.06.2023
(51) F16B 39/08	(22) 27.12.2021	(51) F26B 5/06
F16G 15/06	(54) PRESSURE EQUALIZING SEPARATOR	F25D 25/00
(21) 2030256	AND A SYSTEM COMPRISING THE	F26B 11/08
(22) 23.12.2021	SAME	(21) 2030240
(54) Device for preventing rotation of a nut on	(71) Flamco B.V.	(22) 22.12.2021
a bolt from a shackle provided with such	(74) dr. ir. G.J.C. Verdijck c.s.	(54) Device and method for freeze-drying
a device	(72) Bernardus Cornelis Hubertus Mureau	liquid-containing composition
(71) VAN BEEST GROUP B.V.	Jan Henk Cnossen	(71) RheaVita BV
(74) ir. H.Th. van den Heuvel c.s.	Christian Kirchhoff	(74) drs. W.H.P. Derks
(72) Antonie van der Zalm	(41) 03.07.2023	(72) Menno Cornelis Bouhuijs
Emiel Tjalling Wichert van Norel	(51) F26B 5/04	Jozef Antonius Willem Maria Corver
Erik-Jan van Lit	B67B 1/04	Michel Prijs
(41) 29.06.2023	F26B 5/06	(41) 29.06.2023
(51) F16G 3/16	(21) 2030239	(51) F27D 1/14
(21) 2031605	(22) 22.12.2021	E04B 1/94
(22) 15.04.2022	(54) Device and method for freeze-drying	(21) 2030192
(54) ASSEMBLY DEVICE AND ASSEMBLY	liquid-containing composition	(22) 20.12.2021
METHOD OF BELT IN BELT	(71) RheaVita BV	(54) A refractory anchor for lining an object,
CONVEYOR	(74) drs. W.H.P. Derks	such as a thermal vessel
(71) Wuhu Aide Transportation Machinery	(72) Michel Prijs	(71) Silicon Refractory Anchoring Systems
Co., Ltd	Jozef Antonius Willem Maria Corver	B.V.
(74) dr. R.C. van Duijvenbode c.s.	Menno Cornelis Bouhuijs	(74) ir. A. Blokland c.s.
(72) Yong Zhou	(41) 29.06.2023	(72) Jerome Michael Garot
Kailing Li	(51) F26B 5/04	Danielle Francesca Garot
Bingjie Cao	F16K 3/18	(41) 28.06.2023
Jiurong Yang	F16K 51/02	(51) G01D 5/02
Zhen Jia	F26B 5/06	G06M 7/06
Xiaohua Fang	F26B 25/00	G06M 3/02
Shasha Cao	F26B 25/12	(21) 2030264
(31) 202111568048.9	(21) 2030241	(22) 23.12.2021
(32) 21.12.2021	(22) 22.12.2021	(54) SYSTEEM EN WERKWIJZE VOOR HET
(33) China	(54) Device and method for freeze-drying	TELLEN VAN RIMPELINGEN IN EEN
(51) F16H 25/22	liquid-containing composition	FLEXIBEL MATERIAAL
(21) 2031124	(71) RheaVita BV	(71) COULISSE B.V.
(22) 01.03.2022	(74) drs. W.H.P. Derks	(74) drs. C.H. Mink-Lindenburg
(54) NOVEL PLASTIC PLANETARY ROLLER	(72) Menno Cornelis Bouhuijs	(72) Maarten Petrus Maria Janssens
SCREW	Michel Prijs	Saša Jusufovic
(71) Chongqing University	Jozef Antonius Willem Maria Corver	Ruben Hubert Jan de Vries
(74) ir. M.B. Plaggenborg	(41) 29.06.2023	Bastiaan Franciscus Klein Tuente
(72) Ruo Wu	(51) F26B 5/04	(41) 29.06.2023
Huaju Liu	F26B 5/06	(51) G01M 17/007
Peitang Wei	F26B 11/08	(21) 2030337
Xinlei Hu	F26B 15/12	(22) 29.12.2021
Zehua Lu	F26B 25/00	(54) VEHICLE INERTIA TEST BENCH WITH
Rui Hu	(21) 2030238	CLUTCHES
(31) 202111563294.5	(22) 22.12.2021	(71) SHANDONG XINLINGZHI TESTING
(32) 20.12.2021	(54) Device and method for freeze-drying	TECHNOLOGY CO., LTD.
(33) China	liquid-containing composition	(74) ir. W.J.J.M. Kempes
(51) F21V 17/00	(71) RheaVita BV	(72) Xiangchen Tang
F21S 2/00	(74) drs. W.H.P. Derks	Jiangwei Cui
F21S 8/08	(72) Menno Cornelis Bouhuijs	Xuesong Tian
F21V 14/06	Michel Prijs	Youlei Gao
F21V 5/00	Jozef Antonius Willem Maria Corver	Wenguang Zhang
(21) 2030243	(41) 29.06.2023	(41) 04.07.2023
(22) 22.12.2021	(51) F26B 5/06	(51) G01N 1/02
(54) COMPUTER-IMPLEMENTED METHOD	B65G 65/00	(21) 2030313
FOR DESIGNING AN OPTICAL UNIT	F26B 25/00	(22) 28.12.2021
FOR A LUMINAIRE, AND ASSOCIATED	(21) 2030242	(54) MULTI-PIPE AND BOX-TYPE
PRODUCTION METHOD	(22) 22.12.2021	INTEGRATED SAMPLER APPLICABLE
(71) SCHREDER S.A	(54) Device and method for freeze-drying	TO DEEP-SEA SEDIMENT SAMPLING
(74) dr. ir. G.J.C. Verdijck c.s.	liquid-containing composition	OPERATION
(72) Benoit Kerff		

(71) First Institute of Oceanography, Ministry of Natural Resources	(54) METHOD FOR CONSTRUCTING ZENITH TROPOSPHERE DELAY DATABASE BASED ON ERA-5	(71) Guangdong University of Petrochemical Technology
(74) ir. W.J.J.M. Kempes	(71) Naval University of Engineering, PLA	(74) ir. W.J.J.M. Kempes
(72) Zhifang Xiong	(74) dr. T. Wittop Koning PhD	(72) Xiaofeng Wang
Jingteng Guo	(72) Faxing Lu	Chenglin Wen
Linmiao Wang	Bing Fu	Ye Ke
Tiegang Li	Bin Tian	Shaolin Hu
Baichuan Duan	Lidong Sun	Naiquan Su
Qi Jia	Zihao Chen	Shihua Wang
Zhangmin Yi	Hao Cha	Caixia Zhang
Xiaochen Liu	(41) 28.06.2023	Yarong Lei
Bingbin Qin	(51) G01W 1/14	Qinghua Zhang
Zheng Tang	G01N 33/24	(41) 04.07.2023
(41) 03.07.2023	(21) 2031292	(51) G06F 3/0482
(51) G01N 21/88	(22) 15.03.2022	H04M 3/51
G01N 21/57	(54) MEASURING SYSTEM AND MEASURING METHOD FOR RAINFALL COEFFICIENT ON FARMLAND	H04M 1/72403
G01N 21/84	(71) Farmland Irrigation Research Institute, Chinese Academy of Agricultural Sciences	(21) 1044239
(21) 2030196	(74) ir. M.B. Plaggenborg	(22) 21.12.2021
(22) 20.12.2021	(72) Zhen Chen	(54) Softwareprotocol telefonie na tot stand gekomen verbinding
(54) Method of analysing optical properties of material.	Xiaofei Liu	(71) Adriaan de Kuijper
(71) Industrial Physics Inks & Coatings B.V.	Zugui Liu	(72) Adriaan de Kuijper
(74) ir. A. Blokland c.s.	Aiwang Duan	(41) 29.06.2023
(72) Nico Hendrik Frankhuizen	Jiyang Zhang	(51) G06F 11/10
(41) 28.06.2023	Jinglei Wang	G06F 11/20
(51) G01Q 10/06	(31) 202111573506.8	G06F 9/455
(21) 2030289	(32) 21.12.2021	(21) 2033545
(22) 24.12.2021	(33) China	(22) 17.11.2022
(54) Scanning probe microscopy system and method of operating such a system.	(51) G02B 13/14	(54) TRANSPARENT DYNAMIC REASSEMBLY OF COMPUTING RESOURCE COMPOSITIONS
(71) Nearfield Instruments B.V.	G02B 13/18	(71) Intel Corporation
(74) ir. H.A. Witmans c.s.	G02B 13/06	(74) dr. A. Krebs
(72) Jakob van de Laar	A61B 5/01	(72) Francesc Guim Bernat
Arseniy Kalinin	(21) 2030343	Christian Maciocco
Ruud Ruizenaar	(22) 29.12.2021	Vesh Raj Sharma Banjade
Hamed Sadeghian Marnani	(54) INFRARED THERMAL IMAGING OPTICAL SYSTEM	Kshitij Arun Doshi
(41) 30.06.2023	(71) Foshan University	Satish Chandra Jha
(51) G01Q 10/06	(74) ir. W.J.J.M. Kempes	S.M. Iftekharul Alam
G01Q 30/06	(72) Yanxiong Wu	Ned M. Smith
(21) 2030290	Yang Xiang	Alexander Bachmutsky
(22) 24.12.2021	Haishu Tan	(31) US 17/559,877
(54) Atomic Force Microscope (AFM) device and method of operating the same	Liping Wang	(32) 22.12.2021
(71) Nearfield Instruments B.V.	(51) G04B 1/10	(33) United States of America
(74) ir. H.A. Witmans c.s.	(21) 2030228	(51) G06F 16/9535
(72) Hamed Sadeghian Marnani	(22) 22.12.2021	G06Q 50/02
Jakob van de Laar	(54) A wristwatch and an energy storage device for such a wristwatch	G06Q 10/06
Arseniy Kalinin	(71) ROLEX SA	(21) 2030185
(41) 30.06.2023	(74) mr. ir. J. van Breda c.s.	(22) 17.12.2021
(51) G01S 19/07	(72) Alje Geert Dunning	(54) BIG DATA-BASED TRADITIONAL CHINESE MEDICINE AGRICULTURAL INFORMATION INTELLIGENT SERVICE SYSTEM
(21) 2032595	Sybren Lennard Weeke	(71) Chongqing Institute of Medicinal Plant Cultivation
(22) 25.07.2022	Roemer Michiel Helwig	CHONGQING COLLEGE OF ELECTRONIC ENGINEERING
(54) HIGH-ACCURACY BEIDOU ATMOSPHERIC DUCT RETRIEVING SYSTEM	Eola Jessica Giuffre	(74) ir. M.B. Plaggenborg
(71) Naval University of Engineering, PLA	Maarten Pieter Lustig	(72) Zhengjie Liang
(74) dr. T. Wittop Koning PhD	(41) 29.06.2023	Dan Qin
(72) Faxing Lu	(51) G05B 23/02	Ying Zhang
Hao Cha	(21) 2030345	Jie Shen
Zihao Chen	(22) 29.12.2021	Yuke Lin
Lidong Sun	(54) DATA-DRIVEN RAPID LOCATING METHOD FOR COMPOUND FAULT IN LARGE INDUSTRIAL UNITS	Yong Lin
Bing Fu	(41) 28.06.2023	(41) 28.06.2023
Bin Tian	(51) G06F 21/60	G06N 3/098
(41) 28.06.2023	G06N 3/02	G06F 16/50
(51) G01S 19/07	(21) 2032589	
G06N 3/02	(22) 25.07.2022	
(21) 2032589		
(22) 25.07.2022		

H04L 9/14	Zhengjie Liang	(51) H01J 17/16
(21) 2033745	Shuang Zhu	(21) 2033484
(22) 16.12.2022	Ying Zhang	(22) 08.11.2022
(54) MULTI-SOURCE ENCRYPTED IMAGE RETRIEVAL METHOD BASED ON FEDERATED LEARNING AND SECRET SHARING	Yuke Lin	(54) ADJUSTMENT DEVICE FOR CONTROL OF DENSITY OF EXTRACTED PARTICLES FROM ION SOURCE AND CONTROL METHOD THEREOF
(71) Nanhu laboratory	Bin Wang	(71) Institute of Energy, Hefei Comprehensive National Science Center (Anhui Energy Laboratory)
(74) drs. C.M.A. Quintelier	(41) 28.06.2023	(74) ir. M.B. Plaggenborg
(72) Lei Zhang	(51) G08G 1/095	(72) Lizhen Liang
(31) 202111641508.6	B60Q 1/14	Yuzhong Qian
(32) 30.12.2021	H05B 47/115	Hao Qu
(33) China	F21V 23/00	Weikai Jiang
(51) G06F 30/20	(21) 2030338	Yang Liu
G06Q 10/06	(22) 29.12.2021	Wei Liu
G06Q 50/30	(54) SIGNAL LAMP FOR SIMULATED TRAFFIC	Peng Huang
(21) 2030336	(71) SHANDONG JIAOTONG UNIVERSITY	(31) 202111616279.2
(22) 29.12.2021	(74) ir. W.J.J.M. Kempes	(32) 27.12.2021
(54) COMPUTER SYSTEM FOR RELIABILITY EVALUATION AND POST-DISASTER RECOVERY FOR SHIPPING NETWORK	(72) Xiangchen Tang	(33) China
(71) Wuhan University of Technology	Yujian Zou	(51) H01L 29/66
(74) ir. W.J.J.M. Kempes	Mingjin Yu	H01L 29/161
(72) Di Zhang	Yong Cheng	(21) 2034511
Jiale Tao	Wanyou Huang	(22) 06.04.2023
Jinfen Zhang	Xiang Hao	(54) Adjustable Electrically Biased Suspended Graphene Field Effect Transistor
Jing Wu	Jian Wang	(71) YANGZHOU POLYTECHNIC INSTITUTE
Chengpeng Wan	(41) 04.07.2023	(74) M. Schmid
(51) G06Q 10/06	(51) G16B 30/00	(72) Dan Shan
G06Q 30/00	G16B 20/00	Xuesheng Chen
G06Q 10/08	(21) 2035001	Fanfeng Shi
G16H 70/40	(22) 05.06.2023	Menglong Wang
G06K 17/00	(54) An Analysis Method Based on Population Evolution and Diversity of Cabbage Genome	Ruihong Yang
G06Q 50/04	(71) Universiti Teknologi MARA	Mingjun Tang
(21) 2030184	Tangshan Normal University	Daoyuan Sun
(22) 17.12.2021	(74) dr. A.V. Huygens	Yunqing Cao
(54) BIG-DATA-BASED CHINESE MEDICINAL MATERIAL QUALITY TRACING SYSTEM	(72) Guoli Zhang	(31) 202210366203.7
(71) CHONGQING COLLEGE OF ELECTRONIC ENGINEERING	Liqiang Gu	(32) 08.04.2022
Chongqing Institute of Medicinal Plant Cultivation	Qiang Li	(33) China
(74) ir. M.B. Plaggenborg	Yuqian Zhao	(51) H01M 4/36
(72) Linsheng Zhang	Shamsiah Abdullah	C03C 3/21
Yuke Lin	Ying Wang	H01M 4/587
Liangsong Yin	(51) G16H 50/30	H01M 4/485
Jie Shen	(21) 2031647	(21) 2030219
Ying Zhang	(22) 20.04.2022	(22) 22.12.2021
Zhengjie Liang	(54) PROBABILISTIC RISK ASSESSMENT METHOD AND SYSTEM FOR HEAVY METALS IN CURCUMA ZEDOARIA (A RHIZOMATOUS TRADITIONAL CHINESE MEDICINE)	(54) GLASS CATHODE MATERIAL AND PREPARATION METHOD AND USE THEREOF
Jin Xu	(71) China National Center for Food Safety Risk Assessment	(71) Hainan University
(41) 28.06.2023	Huazhong University of Science and Technology	(74) ir. W.J.J.M. Kempes
(51) G06Q 10/06	National Institutes for Food and Drug Control	(72) Xue Liang
G06Q 50/02	(74) ir. M.B. Plaggenborg	Fanhou Kong
G06F 16/9535	(72) Yibaina Wang	Keke Huang
(21) 2030183	Tiantian Zuo	Changjiu Li
(22) 17.12.2021	Jiandong Yu	(41) 29.06.2023
(54) BIG DATA-BASED INTELLIGENT MANAGEMENT PLATFORM FOR TRADITIONAL CHINESE MEDICINE DISEASES	Jialin Liu	(51) H01M 4/505
(71) Chongqing Institute of Medicinal Plant Cultivation	Lei Zhang	H01M 10/0562
CHONGQING COLLEGE OF ELECTRONIC ENGINEERING	Pingping Zhou	H01M 10/0525
(74) ir. M.B. Plaggenborg	Shuangcheng Ma	H01M 4/131
(72) Jie Shen	Hongyu Jin	H01M 4/38
	Sheng Wei	H01M 4/02
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	(33) China	(22) 23.12.2021
		(54) Solid State Lithium-Ion Batteries Comprising a Nanoporous Silicon Anode

(71) LeydenJar Technologies B.V.	(22) 23.12.2021	(54) METHODS, SYSTEMS, ARTICLES OF MANUFACTURE AND APPARATUS TO ORCHESTRATE INTERMITTENT SURPLUS POWER IN EDGE NETWORKS
(74) dr. A. Krebs	(54) Method for Preventing Overcurrent and Apparatus Thereof	(71) Intel Corporation
(72) Zhaolong Li	(71) Spierings Group B.V.	(74) dr. A. Krebs
Marnix Wagemaker	(74) dr. R.C. van Duijvenbode c.s.	(72) Cesar Martinez-Spessot
Arjen Didden	(72) Maarten van Els	Marcos Carranza
(41) 29.06.2023	Gerbert van de Ven	Karthik Kumar
(51) H01M 8/04186	(41) 29.06.2023	Francesc Guim Bernat
H01M 8/04089	(51) H02J 7/14	Han Lee
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(71) Elestor B.V.	(72) Ing. Marcus Henricus Johannes van Erp	H04L 49/901
(74) ir. A. Blokland c.s.	Ing. Rudy Coppens	(21) 2033587
(72) Wiebe Berend Kout	(41) 29.06.2023	(22) 22.11.2022
Kamuran Yaşadi	(51) H04J 3/06	(54) MULTI-ACCESS MANAGEMENT SERVICE QUEUEING AND REORDERING TECHNIQUES
Willem-Jan van Dijk	G06F 1/12	(71) Intel Corporation
(41) 29.06.2023	(21) 2033555	(74) dr. A. Krebs
(51) H01Q 1/52	(22) 17.11.2022	(72) Jing Zhu
H01Q 21/06	(54) SYNCHRONIZING A REAL-TIME CLOCK AND A NETWORK CLOCK	Menglei Zhang
H01Q 21/28	(71) Intel Corporation	(31) US 17/560,181
G01S 7/02	(74) dr. A. Krebs	(32) 22.12.2021
G01S 13/87	(72) Kishore Kasichainula	(33) United States of America
(21) 2030203	(31) US 17/559,737	(51) H04L 47/72
(22) 21.12.2021	(32) 22.12.2021	H04W 12/122
(54) Structure for antennae	(33) United States of America	H04W 24/02
(71) THALES NEDERLAND B.V.	(51) H04L 9/32	(21) 2033580
(74) mr. ir. J. van Breda c.s.	H04L 9/00	(22) 21.11.2022
(72) Robert Fennis	G06F 21/62	(54) END-TO-END NETWORK SLICING (ENS) FROM RAN TO CORE NETWORK FOR NEXTGENERATION (NG) COMMUNICATIONS
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(51) H01R 3/08	H04L 9/40	(74) dr. A. Krebs
H01L 23/50	(21) 2032902	(72) Vesh Raj Sharma Banjade
(21) 2033543	(22) 30.08.2022	Kuilin Clark Chen
(22) 17.11.2022	(54) USER DATA MANAGEMENT METHOD, DEVICE, TERMINAL APPARATUS AND MEDIUM	Liuyang Lily Yang
(54) LIQUID METAL CONNECTION DEVICE AND METHOD	(71) SHENZHEN BLOCKCHAIN FINANCIAL SERVICES CO., LTD	S M Iftekhharul Alam
(71) Intel Corporation	(74) drs. C.M.A. Quintelier	Satish Chandra Jha
(74) dr. A. Krebs	(72) Feng Cao	Christian Maciocco
(72) Zhe Chen	Yanduo Ren	Francesc Guim Bernat
Andres Ramirez Macias	Xuefei Lin	Ned M. Smith
Jeffory L. Smalley	(51) H04L 41/50	Kshitij Arun Doshi
Eric Erike	(21) 2033544	Mona Vij
Steven A. Klein	(22) 17.11.2022	(31) US 17/558,391
Karumbu Meyyappan	(54) METHODS AND APPARATUS TO IMPLEMENT EDGE SCALABLE ADAPTIVE-GRAINED MONITORING AND TELEMETRY PROCESSING FOR MULTI-QOS SERVICES	(32) 21.12.2021
Srikant Nekkanty	(71) Intel Corporation	(33) United States of America
Zhichao Zhang	(74) dr. A. Krebs	(51) H04L 69/00
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(54) A CONNECTOR PLUG AND A CONNECTOR SOCKET	H04L 43/08	(22) 22.12.2021
(71) Olegs Zaslavskis	H04L 41/5019	(54) Method and system for transmitting a response message
(74) ir. A. van der Maarl	(21) 2033424	(71) Optiver IP B.V.
(72) Olegs Zaslavskis	(22) 31.10.2022	(74) ir. A.R. Aalbers
(31) LVP2021000102		(72) Andrew John Alexander McCaffrey
(32) 23.12.2021		Dennis Fleurbaaij
(33) Latvia		
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(51) H04N 9/31	(21) 2030186	Mingjin Yu
(21) 2030234	(22) 17.12.2021	Jun Yang
(22) 22.12.2021	(54) AUTOSTEREOSCOPIC DISPLAY	Yujian Zou
(54) Projector system and method for projecting images	DEVICE PRESENTING 3D-VIEW AND 3D-SOUND	Xiang Hao
(71) Active Cues B.V.	(41) 04.07.2023	(41) 04.07.2023
(74) ir. A.R. Aalbers	(71) Dimenco Holding B.V.	(51) G03F 7/20
(72) Marijn Koetzier	(74) dr. T. Hubregtse	H05G 2/00
Frederikus Wilhelmus Maria Soetens	(72) Rick Johannes Cornelis Merks	(21) 2033425
Rajiv Sanchez Krijnen	Hubertus Petrus Cornelis van Kuringen	(22) 31.10.2022
(51) H04N 13/111	Pieter Wilhelmus Theodorus de Jong	(54) EXTREME ULTRAVIOLET LIGHT GENERATION APPARATUS AND ELECTRONIC DEVICE MANUFACTURING METHOD
H04N 13/305	(41) 28.06.2023	(71) GIGAPHOTON INC.
H04N 13/351	(51) H04W 24/02	(74) ir. A. Blokland c.s.
H04N 13/359	H04W 28/18	(72) Yoshiyuki Honda
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G06F 3/01	(71) Intel Corporation	(51) H05K 7/20
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(22) 29.12.2021	Shu-ping Yeh	(54) IMMERSION COOLING SYSTEMS, APPARATUS, AND RELATED METHODS
(54) AUTOSTEREOSCOPIC DISPLAY DEVICE HAVING A REMOTE BODY TRACKING SYSTEM	(31) 17/561,948	(71) Intel Corporation
(71) Dimenco Holding B.V.	(32) 25.12.2021	(74) dr. A. Krebs
(74) dr. T. Hubregtse	(33) United States of America	(72) David Shia
(72) Sander Johannes Brouwers	(51) H04W 28/02	Lianchang Du
Silvino José Antuña Presa	H04W 76/16	Peng Wei
(41) 04.07.2023	H04W 84/12	Liguang Du
(51) H04N 13/117	(21) 2033607	Yuan-Liang Li
H04N 13/122	(22) 24.11.2022	Cong Zhou
H04N 13/128	(54) TRAFFIC STEERING AND CROSS-LAYERED AND CROSS-LINK MOBILITY MANAGEMENT TECHNIQUES FOR MULTI-ACCESS MANAGEMENT SERVICES	Hao Zhou
H04N 13/139	(71) Intel Corporation	Xicai Jing
H04N 13/302	(74) dr. A. Krebs	Jin Yang
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(21) 2030325	Jing Zhu	Xinfeng Wang
(22) 28.12.2021	Juan Fang	Eric D. McAfee
(54) SCALING OF THREE-DIMENSIONAL CONTENT FOR AN AUTOSTEREOSCOPIC DISPLAY DEVICE	Shilpa Talwar	Jimmy Chuang
(71) Dimenco Holding B.V.	Menglei Zhang	Paul J. Gwin
(74) dr. T. Hubregtse	Valerie Parker	Yinglei Ren
(72) Sander Johannes Brouwers	(31) US 17/561,897	Ming Zhang
Silvino José Antuña Presa	(32) 24.12.2021	Liu Yu
Jurjen Caarls	(33) United States of America	Sandeep Ahuja
(41) 03.07.2023	(51) H05B 45/385	Guoliang Ying
(51) H04N 13/302	(21) 2030193	Timothy Glen Hanna
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(21) 2030187	(72) Bert de Brouwer	PCT/CN2021/141155
(22) 18.12.2021	Eddy Jansen	(32) 01.04.2022
(54) METHOD AND DEVICE FOR CANCELLING DISTORTION AND DISPLACEMENT OF A DISPLAYED THREE DIMENSIONAL IMAGE	(41) 28.06.2023	24.12.2021
(71) Dimenco Holding B.V.	(51) H05B 47/105	(33) United States of America
(74) dr. T. Hubregtse	H05B 47/11	United States of America
(72) Jurjen Caarls	G08G 1/095	
Pieter Wilhelmus Theodorus de Jong	(21) 2030341	
Patrick Godefridus Jacobus Maria Peeters	(22) 29.12.2021	
(41) 28.06.2023	(54) TRAFFIC SIGNAL LAMP CAPABLE OF INTELLIGENTLY ADJUSTING BRIGHTNESS	
(51) H04S 7/00	(71) SHANDONG JIAOTONG UNIVERSITY	
	(74) ir. W.J.J.M. Kempes	
	(72) Xiangchen Tang	
	Wanyou Huang	

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(47) 29.06.2023	RATE OF TRANSPLANTING OF	(54) GANODERMA STRAIN AND
(22) 23.12.2021	GREENHOUSE SWEET CHERRY TREE	CULTIVATION METHOD OF FRUITING
(54) Chrysanthemum harvesting assembly	(73) Dalian Lvhai Agriculture Development	BODY OF GANODERMA SHANXIENSE
(73) Arie Cornelis Rietveld	Co.,Ltd.	THEREOF
Peter Dirk Hobo	Dalian Modern Agricultural Production	(73) Shanxi Institute for Functional Food,
(72) Peter Dirk Hobo	Development Service Center	Shanxi Agricultural University
Arie Cornelis Rietveld	(72) Baixia Zhao	(72) Yaoyun Bai
(74) ir. J.C. Volmer c.s.	Zhiyong Dong	Jie Yang
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(47) 03.07.2023	Min Xiao	(74) ir. M.B. Plaggenborg
(22) 28.12.2021	Liheng Zhang	(83) 23077
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werkwijze voor het geautomatiseerd	Yongmin Li	China General Microbiological Culture
opschudden van bloembossen	Wei Zheng	Collection Center (CGMCC)
(73) Havatec B.V.	Yutao Li	Institute of Microbiology, Chinese
(72) Arend van Duijn	(74) ir. M.B. Plaggenborg	Academy of Sciences, No. 1 West
(74) ir. H.A. Witmans c.s.	(31) 202111586873.1	Beichen Road, Chaoyang District, Beijing
(51) A01G 9/14	(32) 23.12.2021	100 101, China
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(54) Installation device for a glass panel, and	(47) 04.07.2023	(51) A01J 11/06
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(73) Joost van der Waay	(54) HERICIUM ERINACEUS (BULL.) PERS.	(11) 2030195
(72) Joost van der Waay	CULTIVATION TECHNOLOGY	(47) 28.06.2023
(74) ir. F.A. Geurts c.s.	(73) Hebei Normal University for Nationalities	(22) 20.12.2021
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B02C 18/18	Mantang Zhao	(51) A01K 67/033
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OPERATING EQUIPMENT	COIR PRODUCTS	EDITING SYSTEM OF APOSTICHOPUS
(73) ANHUI AGRICULTURAL UNIVERSITY	(73) Van der Knaap Diensten B.V.	JAPONICUS
(72) Dequan Zhu	(72) Paul Victor Offerman	(73) INSTITUTE OF OCEANOLOGY,
Chaoyang Ding	Jelte Veenstra	CHINESE ACADEMY OF SCIENCES
Shun Zhang	(74) dr. ir. G.J.C. Verdijck c.s.	(72) Lili Xing
Fuming Kuang	(51) A01G 31/02	Fang Su
Juan Liao	(11) 2032144	Lina Sun
Tianyi Zhou	(47) 28.06.2023	Hongyuan Zhao
Zhongyi Yu	(22) 13.06.2022	Wei Cui
Weimin Zhao	(54) TRAY ASSEMBLY COMPRISING A	Chunxi Jiang
(74) ir. M.B. Plaggenborg	TRAY WITH ONE OR MORE THAN ONE	Libin Zhang
(31) 202111636634.2	FLOAT AND A WATER FLOW GUIDE	Hongsheng Yang
(32) 29.12.2021	(73) Meteor Systems B.V.	Shilin Liu
(33) China	(72) Sebastiaan Johannes Hendrikus Dirven	Bohong Liu
	Franciscus Antonius Bastiaansen	(74) dr. R.C. van Duijvenbode c.s.

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(33) China	B65D 25/32	Haishu Tan
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B63G 8/00	(22) 29.12.2021	(51) A61F 5/01
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(47) 03.07.2023	(73) Burgers Beheer B.V.	(47) 28.06.2023
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(54) MULTI-PROPELLER MULTI-LEG SEA CUCUMBER COLLECTION DEVICE	(74) ir. A.R. Aalbers	(54) An ankle support comprising an one-piece shell having a lateral shell section, and a medial shell section
(73) ShanDong JiaoTong University	(51) A47G 25/90	(73) Nea International B.V.
(72) Zhiguang Guan	(11) 1044242	(72) Agnes Theodora Maria Voskuilen
Baoping Wang	(47) 03.07.2023	Jeroen Hendrik Johan Koeslag
Qin Sun	(22) 28.12.2021	(74) ir. A. Blokland c.s.
Lin Zhang	(54) Underwear & Pant Lifting Device for the old ages and people with disabilities	(51) A61F 5/01
Lingyan Zhao	(73) Shahrokh Faez	(11) 2031691
(74) ir. W.J.J.M. Kempes	(72) Shahrokh Faez	(47) 04.07.2023
(51) A01M 17/00	(74) drs. P.A. van Essen c.s.	(22) 25.04.2022
A01G 9/24	(51) A47K 3/28	(54) Kniebrace voor het ondersteunen van een kniegewricht
(11) 2030270	A61N 5/06	(73) Antonius Petrus Johannes Maria Cuyten
(47) 29.06.2023	(11) 2030283	Rob Bogie
(22) 23.12.2021	(47) 30.06.2023	(72) Antonius Petrus Johannes Maria Cuyten
(54) Bodem voorzien van een samenstel van buizen.	(22) 24.12.2021	Rob Bogie
(73) BioVerbeek B.V.	(54) Device for radiating UV and/or IR radiation to a human body in a humid room	(74) ir. G.J.M. Verhees
(72) Robert Adolf Berkelmans	(73) Sunshower IP BV	(31) 2030356
Alphons Johannes Marie Verbeek	(72) Pieter Merijn Wegdam	(32) 29.12.2021
(74) ir. A. Blokland c.s.	Wiebe Jelmer Koehler	(33) Netherlands
(51) A01N 31/16	(74) ir. H.Th. van den Heuvel c.s.	(51) A61K 31/567
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C05G 5/30	(22) 24.12.2021	(54) Mifepristone oral form for its use in cervix ripening and labour induction
C09K 17/32	(54) Device for radiating UV and/or IR radiation to a human body in a humid room	(73) Nordic Group B.V.
(11) 2030348	(73) Sunshower IP BV	(72) Hans Schram
(47) 04.07.2023	(72) Pieter Merijn Wegdam	Sophie Rolande van Tomme
(22) 29.12.2021	Wiebe Jelmer Koehler	Helene Marie Virginie Herman
(54) MULTIFUNCTIONAL SOIL CONDITIONER FOR RESISTING ROOT ROT AND RETAINING WATER AND PREPARATION METHOD THEREOF	(74) ir. H.Th. van den Heuvel c.s.	(74) dr. R.C. van Duijvenbode c.s.
(73) Shandong Academy of Agricultural Sciences	(51) A47K 3/28	(31) 2020257021
(72) Yuwen Shen	A61N 5/06	GM 50095/2020
Zongxin Li	(11) 2030285	3,097,573
Haijun Zhao	(47) 30.06.2023	PUV 2020-37501
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Ping Liu	(73) Sunshower IP BV	U/2020/00012
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A23L 33/105	G02B 13/18	04.11.2020
(11) 2030332	G02B 13/00	04.05.2020
(47) 04.07.2023	(11) 2030346	30.10.2020
(22) 29.12.2021	(47) 04.07.2023	(33) Australia
(54) Personalised functional nutritional product	(22) 29.12.2021	Austria
(73) MiFood B.V.	(54) LARGE-FIELD-OF-VIEW INFRARED THERMAL IMAGING OPTICAL SYSTEM	Canada
(72) Raymond Philippe Hubert Etienne Nolet	(73) Foshan University	Czech Republic
(74) ir. H.A. Witmans c.s.		Germany
(51) A45C 5/04		Japan
		Romania
		United States of America
		(51) A61K 36/185
		A61K 36/30

A61K 36/736	G01N 30/60	(54) Sealing method for the sealing of a metal sleeve to an inorganic membrane, sealed inorganic membrane, and use of a sealed inorganic membrane
A61K 36/752	(11) 2033558	(73) Technische Universiteit Eindhoven
A61K 36/489	(47) 28.06.2023	(72) Arash Rahimalimamaghani
A61K 36/54	(22) 18.11.2022	Fausto Gallucci
A61K 36/708	(54) DYNAMIC AXIAL COMPRESSION SYSTEM	Erik van Herk
A61P 7/04	(73) Jiangsu Hanbon Science & Technology Co., Ltd	(74) ir. A. Blokland c.s.
(11) 2031436	(72) Shoubo Ding	(51) B01D 67/00
(47) 28.06.2023	Xianglin Wang	B01D 71/02
(22) 29.03.2022	Jie Liu	B01D 69/10
(54) HEMORRHOID AND FISTULA MIXTURE	Zhong Yan	B01D 53/22
(73) Zuomin Li	Ting Xu	(11) 2030180
(72) Zuomin Li	(74) drs. C.M.A. Quintelier	(47) 28.06.2023
(74) ir. M.B. Plaggenborg	(31) 202111398379.2	(22) 17.12.2021
(31) 202111564183.6	(32) 19.11.2021	(54) A process for the preparation of a supported carbon membranes (CMs).
(32) 20.12.2021	(33) China	(73) FUNDACION TECNALIA RESEARCH&INNOVATION
(33) China	(51) B01D 39/00	Technische Universiteit Eindhoven
(51) A61L 9/05	(11) 2030176	(72) Arash Rahimalimamaghani
(11) 2030328	(47) 04.07.2023	Fausto Gallucci
(47) 04.07.2023	(22) 17.12.2021	Margot Anabell Lloso Tanco
(22) 29.12.2021	(54) PREPARATION METHOD AND APPLICATION OF SUPER-HYDROPHOBIC FILTER MATERIAL FOR HIGH-HUMIDITY ENVIRONMENT	David Alfredo Pacheco Tanaka
(54) Geurverwijderaar en werkwijze voor het reinigen van een afsluitbare ruimte	(73) ANHUI UNIVERSITY OF TECHNOLOGY	(74) ir. A. Blokland c.s.
(73) Carfreshfresh B.V.	(72) Wei Dong	(51) B01L 3/00
(72) Theodoor Rudolf Görs	Shenghua Wu	C12M 3/06
(51) A61M 3/02	Qing Li	C12M 1/00
(11) 2033296	Lumin Chen	(11) 2030210
(47) 28.06.2023	Yunlong Han	(47) 29.06.2023
(22) 12.10.2022	Fuping Qian	(22) 21.12.2021
(54) A Syringe for A Medicament for Treating Constipation	Jinli Lu	(54) Method for cleaning a microfluidic device using an ionic liquid
(73) Suzhou TCM Hospital Affiliated to Nanjing University of Chinese Medicine	(74) dr. T. Wittop Koning PhD	(73) LUMICKS CA Holding B.V.
(72) Bensheng Wu	(31) 202110013030.6	(72) Rui Pedro Rijo da Costa Carvalho
Zongqi He	(32) 06.01.2021	(74) ir. A.R. Aalbers
Qing Zhou	(33) China	(51) B07B 1/00
Xiaopeng Wang	(51) B01D 53/58	C08L 25/06
(74) dr. A.V. Huygens	C05C 3/00	C08L 23/04
(51) A61M 16/10	(11) 2030259	C08L 23/12
A61M 16/16	(47) 29.06.2023	C08L 67/04
(11) 2030307	(22) 23.12.2021	C08L 23/10
(47) 03.07.2023	(54) Neutralisatiemethode en neutralisatiewasser voor zuur ammoniumsulfaat	C08L 61/06
(22) 27.12.2021	(73) GMB BioEnergie Zutphen B.V.	(11) 2033288
(54) Heat and moisture exchanger	(72) Gerrit Jan van de Pol	(47) 29.06.2023
(73) Stichting Het Nederlands Kanker Instituut - Antoni van Leeuwenhoek Ziekenhuis	(74) dr. R.C. van Duijvenbode c.s.	(22) 12.10.2022
Blok Additive Manufacturing B.V.	(51) B01D 53/75	(54) A recyclable and sortable thermoplastic composition
(72) Maarten Jan Antony van Alphen	(11) 2030257	(73) UPM-Kymmene Corporation
Boris Theodore van Putten	(47) 29.06.2023	(72) Barbara Gall
Maartje Leemans	(22) 23.12.2021	Florian Diehl
Sara Hillegonda Muller	(54) Luchtreinigingsstelsel en luchtreinigingsmethode voor proceslucht uit een biologische slijdrooginstallatie	(74) mr. ir. J. van Breda c.s.
Bas Koper	(73) GMB BioEnergie Zutphen B.V.	(31) 20216094
(74) dr. R.C. van Duijvenbode c.s.	(72) Gerrit Jan van de Pol	(32) 21.10.2021
(51) A61N 5/06	(74) dr. R.C. van Duijvenbode c.s.	(33) Finland
A47K 3/28	(51) B01D 65/00	(51) B08B 5/00
(11) 2030286	B01D 53/22	G01N 33/18
(47) 30.06.2023	B01D 71/02	C02F 9/00
(22) 24.12.2021	B01J 19/24	(11) 2032103
(54) Device for radiating UV and/or IR radiation to a human body in a humid room	F16L 21/04	(47) 04.07.2023
(73) Sunshower IP BV	F16L 49/02	(22) 08.06.2022
(72) Pieter Merijn Wegdam	(11) 2030179	(54) AUTOMATIC CIRCULATING COOLING WATER TREATMENT CONTROL SYSTEM AND CONTROL METHOD
Wiebe Jelmer Koehler	(47) 28.06.2023	(73) GUIZHOU EDUCATION UNIVERSITY
(74) ir. H.Th. van den Heuvel c.s.	(22) 17.12.2021	(72) Xuefeng Zou
(51) B01D 15/20		Fushao Li
B01D 15/22		



Qingqing Wu	(74) ir. G.A.J.M. Plevier	B01J 19/12
Ling Chen	(51) B21D 13/02	(11) 2030194
Hengxiu Yang	H01M 8/026	(47) 28.06.2023
Hujun Shen	(11) 2030189	(22) 20.12.2021
Mingsen Deng	(47) 28.06.2023	(54) a method of processing a flow of confectionary mass and a device arranged for heating a flow of confectionary mass
(74) ir. M.B. Plaggenborg	(22) 19.12.2021	(73) Fassin Tussenhoudster B.V.
(31) 202111636907.3	(54) A DIE PAIR FOR MANUFACTURING A 3D-SHAPED PLATE BY PRESS FORMING, A DIE OF THE DIE PAIR AND A PRESS-FORMING METHOD USING THE DIE PAIR	(72) Patricia Annemarie Paula Maria Fassin Thomas Kurt Xaver Fassin
(32) 29.12.2021		(74) ir. A. Blokland c.s.
(33) China		(51) B29C 64/118
(51) B08B 5/02	(73) Robert Bosch GmbH	B29C 64/40
B07C 5/342	(72) Giel Rompen	B29C 64/393
(11) 2030344	(74) ir. G.A.J.M. Plevier	B33Y 10/00
(47) 04.07.2023	(51) B21D 53/14	B33Y 50/02
(22) 29.12.2021	B21D 28/16	(11) 2030255
(54) ACCURATE ORE SORTING DEVICE	(11) 2030297	(47) 29.06.2023
(73) Chinese Academy of Geological Sciences	(47) 30.06.2023	(22) 23.12.2021
(72) Xiaofei Li	(22) 24.12.2021	(54) Support printing in FFF using crystalline interface layer
Kai Liu	(54) BLANKING METHOD AND BLANKING DEVICE	(73) Ultimaker B.V.
Xuejun Zhang	(73) Robert Bosch GmbH	(72) Johan Andreas Versteegh
Zenan Zhao	(72) Guiseppe Ciolino	Beerend Groot
Kemo Jin	(74) ir. G.A.J.M. Plevier	Tom Heijmans
Yongchao Wang	(51) B23K 20/12	(74) dr. R.C. van Duijvenbode c.s.
Yaoyao Zhang	B23P 15/04	(51) B29D 11/02
Shanshan Wang	F01D 5/06	B29D 11/00
Xiaobo Zhang	(11) 2032715	(11) 2030237
Tao Wang	(47) 28.06.2023	(47) 29.06.2023
(74) ir. W.J.J.M. Kempes	(22) 10.08.2022	(22) 22.12.2021
(51) B09C 1/00	(54) AERO-ENGINE COMPRESSOR DISC ASSEMBLY INERTIA FRICTION WELDING DEVICE AND METHOD	(54) Method and an assembly for removing an intraocular lens from an injection molded mold half
B07C 5/342	(73) Harbin Welding Institute Limited Company	(73) AMO Groningen B.V.
(11) 2030334	(72) Limin Zhai	(72) Richard Henricus Christianus Eijmberts
(47) 04.07.2023	Hanlin Yan	Rob Bugel
(22) 29.12.2021	Qi Wang	Martin Dinant Bijker
(54) Werkwijze voor het scheiden van grond in een aantal reststromen	Jun Zhou	Franciscus Henricus Cornelius Maria Bijnen
(73) Theo Pouw Secundaire Bouwstoffen B.V.	Yue Lin	Mitchell Gerardus Maas
(72) Alexander Pouw	Wenhan Zhang	(74) ir. H.A. Witmans c.s.
(74) ir. A. Blokland c.s.	Yanquan Wu	(51) B29D 30/00
(51) B09C 1/08	Feng Qin	B29D 30/26
C09C 1/24	Yushan Zhao	(11) 2030260
C09C 1/44	Wu Liang	(47) 29.06.2023
C09C 1/46	Rui Li	(22) 23.12.2021
(11) 2027898	Chunbo Zhang	(54) Festooner, steering roller and method for guiding a strip for tire building along a buffer path
(47) 28.06.2023	Haifeng Yang	(73) VMI Holland B.V.
(22) 01.04.2021	Yunlei Li	(72) Marcel Smits
(54) GRAPHENE-FERRIC OXIDE MODIFIED BIOCHAR AND METHOD FOR MAKING SAME AS WELL AS USE THEREOF	(74) ir. W.J.J.M. Kempes	Teunis Johannes Verbruggen
(73) QINGDAO AGRICULTURAL UNIVERSITY	(31) 202110937184.4	(74) ir. F.A. Geurts c.s.
(72) Haiying Zong	(32) 16.08.2021	(51) B32B 27/08
Fangli Wang	(33) China	B32B 27/28
(74) ir. W.J.J.M. Kempes	(51) B25J 15/06	B32B 27/32
(31) 202110164152.5	B65G 47/91	B32B 27/34
(32) 05.02.2021	(11) 2030229	B32B 27/36
(33) China	(47) 29.06.2023	B01L 3/00
(51) B21D 13/02	(22) 22.12.2021	B32B 37/12
B21D 37/01	(54) A system and method for engaging a product for product handling	B32B 37/00
C21D 1/09	(73) AWL-Techniek B.V.	(11) 2030209
B23P 15/00	(72) Luuk Jochem Elbert Nollet	(47) 29.06.2023
(11) 2030298	Hendrik Kroese	(22) 21.12.2021
(47) 30.06.2023	Ernst Theodoor Bahlman	(54) PROCESS FOR MANUFACTURING A MICROFLUIDIC DEVICE
(22) 24.12.2021	(74) ir. H.A. Witmans c.s.	
(54) A METHOD FOR MANUFACTURING A DIE FOR PRESS FORMING PLATE MATERIAL	(51) B29C 35/02	
(73) Robert Bosch GmbH	B29C 35/08	
(72) Jaap Terpstra		

(73) Surfrix B.V.	Isabel Maria Marques Da Silva Macedo	(22) 24.12.2021
(72) Wout Knobens Luc Scheres Johannes Teunis Zuilhof Rui Pedro Rijo Da Costa Carvalho	(74) ir. A. Blokland c.s.	(54) Control module for a bicycle
(74) drs. J. Renkema	(51) B60L 13/06	(73) Classified Cycling BV
(51) B33Y 50/02	B60L 13/08	(72) Roëll Marie van Druten
B22F 10/31	B61B 13/08	Thomas Jean Valero
B23K 26/34	E01B 25/30	(74) ir. H.A. Witmans c.s.
G06F 30/33	E01B 25/32	(51) B63B 3/08
B33Y 50/00	H01F 7/02	B63B 35/40
G05B 19/18	B65G 54/02	B63B 27/36
G05B 19/4099	(11) 2030252	B63B 29/18
B23K 26/144	(47) 29.06.2023	B63B 25/00
(11) 2031936	(22) 23.12.2021	(11) 2030224
(47) 29.06.2023	(54) Improved National Individual Floating Transport Infrastructure	(47) 29.06.2023
(22) 19.05.2022	(73) Stichting Radboud Universiteit	(22) 22.12.2021
(54) PATH DEVELOPMENT METHOD FOR MULTI-PASS LINEAR CLADDING ON CURVED SURFACE	(72) Nigel Edward Hussey	(54) Water craft and method for manufacturing such a water craft
(73) Jinhua Polytechnic	(74) drs. P.A. van Essen c.s.	(73) X-Treme Yachts B.V.
(72) Yuecheng Hu Xiaohong Yang Xu Chu Qianlei Jiang Yuan Chen	(51) B60N 3/06	(72) Jan Vink
(74) ir. W.J.J.M. Kempes	B60N 2/24	Tjerko Onno Jurgens
(31) 202111116042.8	(11) 2030274	(74) ir. F.A. Geurts c.s.
(32) 23.09.2021	(47) 29.06.2023	(51) B63B 34/67
(33) China	(22) 23.12.2021	(11) 2032729
(51) B44C 1/22	(54) Vehicle cabin with a right foot support	(47) 28.06.2023
E04F 15/02	(73) DAF Trucks N.V.	(22) 11.08.2022
(11) 2030319	(72) Haro van Galen	(54) Towing system for a water sports boat
(47) 03.07.2023	Martinus Wilhelmina Paulus Kuijpers	(73) Joris Jan Maria van Aelst
(22) 28.12.2021	Arnoldus Johannes Ignatius Maria	(72) Joris Jan Maria van Aelst
(54) Method for manufacturing personalized decorative laminated panels, and personalized decorative laminated panels	Roijackers	(74) ir. J.C. Volmer c.s.
(73) I4F LICENSING NV	(74) ir. H.A. Witmans c.s.	(51) B64C 39/10
(72) Eddy Alberic Boucké	(51) B61L 27/60	B64C 23/06
(74) ir. H.Th. van den Heuvel c.s.	G09B 5/14	B64C 3/50
(51) B44C 5/04	G09B 19/00	B64C 29/00
B32B 27/08	G09B 5/02	B64C 39/02
B32B 27/10	(11) 2030311	B64C 3/44
B32B 27/12	(47) 03.07.2023	(11) 2030268
B32B 27/30	(22) 28.12.2021	(47) 29.06.2023
B32B 27/32	(54) CLOUD PLATFORM OF TRAIN SERVICE TRAINING SYSTEM BASED ON DECENTRALIZED SELF- DISCIPLINE AND CENTRALIZED TRAFFIC CONTROL SYSTEM	(22) 23.12.2021
B32B 29/00	(73) BEIJING JIAOTONG UNIVERSITY	(54) FIXED-WING AIRCRAFT
B32B 27/32	(72) Bin Zhang	(73) DeltaQuad B.V.
B32B 29/00	Qunxing Yue	(72) Coenraad Louis Smeenk
B32B 37/02	Yixiang Yue	(74) dr. ir. G.J.C. Verdijck c.s.
B32B 37/04	Mingxuan Zhong	(51) B65D 5/28
B32B 37/06	Xiangyu Su	B65D 5/64
B32B 37/10	(74) ir. W.J.J.M. Kempes	B65D 5/20
H01L 31/048	(51) B62J 6/06	(11) 1044004
H02S 20/26	B62J 6/015	(47) 30.06.2023
B32B 3/04	B62J 43/30	(22) 02.04.2021
B32B 5/02	B62J 45/40	(54) Opzetdeksel en schaal uit vouwkarton
H01L 31/0216	B62J 50/22	(73) Anderling B.V.
H01L 31/0232	B62J 99/00	Snel industrie voor karton- en papierverdelingsindustrie B.V.
H01L 31/049	(11) 2030292	(72) Hendrik Christiaan Adolf Hoekstra
(11) 2030172	(47) 30.06.2023	(51) B65G 1/02
(47) 28.06.2023	(22) 24.12.2021	B65D 19/12
(22) 17.12.2021	(54) Self-powered system for a bicycle	A47B 43/00
(54) Method for manufacturing a decorative laminated panel.	(73) Classified Cycling BV	(11) 1044241
(73) Trespa International B.V.	(72) Thomas Jean Valero	(47) 29.06.2023
(72) Henricus Hubertus Maria Kömhoff	Roëll Marie van Druten	(22) 21.12.2021
Maria Pyrgeli	(74) ir. H.A. Witmans c.s.	(54) Palletrek
Safae Larhziel	(51) B62K 23/02	(73) Palletflat
	B62M 25/08	(72) Gerrit Jan Konijnenberg
	B62M 25/04	(51) B65G 39/12
	(11) 2030296	B65G 15/48
	(47) 30.06.2023	B65G 43/02
		B65G 45/18
		(11) 2030306
		(47) 03.07.2023

(22) 27.12.2021	Yulin Zhou	Xiangping Wang
(54) System for servicing a metal transfer belt	Jinxiang Liu	Rongjiang Yao
(73) Trivium Packaging Group Netherlands B.V.	(74) ir. M.B. Plaggenborg	Jingsong Yang
(72) Philip Eduard Slot	(31) 202111571816.6	Wenping Xie
Paul Frederik Klopper	(32) 21.12.2021	(74) ir. W.J.J.M. Kempes
Martijn Pijpers	(33) China	(51) C05G 3/90
(74) dr. R.C. van Duijvenbode c.s.	(51) C02F 5/12	C05D 9/00
(51) B65G 47/88	C02F 103/02	C05G 5/27
(11) 2030329	(11) 2032834	(11) 2030300
(47) 04.07.2023	(47) 04.07.2023	(47) 04.07.2023
(22) 29.12.2021	(22) 23.08.2022	(22) 26.12.2021
(54) A separation apparatus and method for dividing a stack of products	(54) PHOSPHORUS-FREE CORROSION AND SCALE INHIBITOR AND PREPARATION METHOD AND APPLICATION THEREOF	(54) NITRIFICATION INHIBITOR PROTECTING AGENT AND APPLICATION THEREOF
(73) Trivium Packaging Group Netherlands B.V.	(73) Guizhou Education University	(73) Institute of Applied Ecology, Chinese Academy of Sciences
(72) Rene Koster	(72) Hengxiu Yang	(72) Zhijie Wu
(74) dr. R.C. van Duijvenbode c.s.	Qingqing Wu	Lili Zhang
(51) B66B 11/00	Mingsen Deng	Ping Gong
B66C 23/28	Xue He	(74) dr. T. Wittop Koning PhD
(11) 1044222	Xuefeng Zou	(31) 202111063636.7
(47) 30.06.2023	Hujun Shen	(32) 10.09.2021
(22) 01.12.2021	Fushao Li	(33) China
(54) Werkwijze voor het bouwen van een bouwwerk met bouw hulpmiddelen die zijn ingericht om permanent in het bouwwerk te kunnen verblijven	Ling Chen	(51) C08G 14/08
(73) Boudali Bahri	(74) ir. W.J.J.M. Kempes	C14C 3/20
(72) Boudali Bahri	(31) 202111637847.7	(11) 2030308
(51) B66C 3/12	(32) 29.12.2021	(47) 03.07.2023
(11) 2030293	(33) China	(22) 27.12.2021
(47) 30.06.2023	(51) C04B 18/16	(54) Formaldehyde-free aromatic sytan an method for producing
(22) 24.12.2021	(11) 2030294	(73) Exploitatiemaatschappij Smit-Vecht B.V.
(54) Rope operated mechanical grab	(47) 30.06.2023	(72) Ramakrishna Prasad Muppa
(73) Verstegen-Grijpers B.V.	(22) 24.12.2021	Anouk Roolvink
(72) Peter Jan Willem Visser	(54) Werkwijze voor het terugwinnen van bouwstoffen uit betonpuin.	(74) dr. R.C. van Duijvenbode c.s.
(74) ir. J.C. Volmer c.s.	(73) Theo Pouw B.V.	(51) C08L 23/12
(51) B66C 23/18	(72) Alexander Pouw	C08L 25/06
B66C 23/28	(74) ir. A. Blokland c.s.	C08L 55/02
B66C 23/34	(51) C05F 11/00	(11) 2033292
B66C 23/20	(11) 2028146	(47) 28.06.2023
F03D 13/10	(47) 30.06.2023	(22) 12.10.2022
(11) 2030208	(22) 05.05.2021	(54) A recyclable thermoplastic composition
(47) 29.06.2023	(54) GRAPHENE-MODIFIED BIOCHAR AND METHOD FOR MAKING SAME AS WELL AS USE THEREOF	(73) UPM-Kymmene Corporation
(22) 21.12.2021	(73) QINGDAO AGRICULTURAL UNIVERSITY	(72) Barbara Gall
(54) ERECTING A SELF-CLIMBING TOWER CRANE	(72) Jun Liu	Florian Diehl
(73) Itrec B.V.	Fangli Wang	(74) mr. ir. J. van Breda c.s.
(72) Diederick Bernardus Wijning	(74) ir. W.J.J.M. Kempes	(31) 20216092
(74) ir. J.C. Volmer c.s.	(31) 202110231140.X	(32) 21.10.2021
(51) C02F 1/26	(32) 02.03.2021	(33) Finland
C02F 3/00	(33) China	(51) C08L 23/12
C02F 1/62	(51) C05G 3/40	C08L 25/06
C12N 1/20	C05G 3/90	C08L 55/02
(11) 2032420	C05G 5/12	(11) 2033293
(47) 29.06.2023	C05G 5/30	(47) 28.06.2023
(22) 07.07.2022	C05G 3/20	(22) 12.10.2022
(54) PREPARATION METHOD OF IMMOBILIZED MICROBIAL BEAD, AND USE THEREOF	C05G 3/80	(54) A burning-resistant thermoplastic composition
(73) University of South China	C05G 3/80	(73) UPM-Kymmene Corporation
(72) Xiaoling Zhang	(11) 2030310	(72) Barbara Gall
Taotao Zeng	(47) 03.07.2023	Mauno Miettinen
Xin Song	(22) 28.12.2021	Florian Diehl
Liangqin Wang	(54) GYPSUM-COATED SLOW RELEASE FERTILIZER, AND PREPARATION METHOD AND USE THEREOF	(74) mr. ir. J. van Breda c.s.
Guohua Wang	(73) INSTITUTE OF SOIL SCIENCE, CHINESE ACADEMY OF SCIENCES	(31) 20216095
Yingjiu Liu	(72) Xin Zhang	(32) 21.10.2021
		(33) Finland
		(51) C09J 189/04
		(11) 2030233
		(47) 29.06.2023

<p>(22) 22.12.2021                  (54) Adhesive from wet bacterial biomass                  (73) Paques Biomaterials Holding B.V.                  Technische Universiteit Delft                  (72) Jelmer Tamis                  Stephen James Picken                  (74) drs. P.A. van Essen c.s.</p> <hr/> <p>(51) C09K 11/06                  G01N 21/64                  C07D 235/02                  (11) 2031076                  (47) 03.07.2023                  (22) 24.02.2022                  (54) MOLECULAR MATERIAL PROVIDING                  DUAL-DUAL/QUADRUPLE DETECTION                  SIGNALS IN RESPONSE TO PH                  CHANGE AND APPLICATION                  THEREOF                  (73) DEZHOU UNIVERSITY                  (72) Longlong Geng                  Haochen Wang                  Xiuling Zhang                  Yongzheng Zhang                  Hui Hu                  Yuting Chen                  Shikai Wei                  Jingjie Yan                  (74) ir. M.B. Plaggenborg                  (31) 202111608030.7                  (32) 27.12.2021                  (33) China</p> <hr/> <p>(51) C09K 17/40                  C09K 17/04                  C09K 17/06                  A01B 79/02                  (11) 2033429                  (47) 30.06.2023                  (22) 31.10.2022                  (54) METHOD FOR IMPROVING SOIL                  POROSITY                  (73) Zunyi Normal University                  (72) Leilei Fan                  Xiong Yan                  Huazhang Li                  Xing Jin                  Bailian Xiong                  Wenzhao Li                  (74) ir. M.B. Plaggenborg                  (31) 202111357199.X                  (32) 16.11.2021                  (33) China</p> <hr/> <p>(51) C11D 1/72                  C11D 3/30                  C11D 3/33                  (11) 2030200                  (47) 29.06.2023                  (22) 21.12.2021                  (54) Samenstelling voor het verwijderen van                  bestanddelen die vet omvatten                  (73) HG International B.V.                  (72) Karin van der Pol-Blijleven                  Barry Derriks                  (74) ir. A. Blokland c.s.</p> <hr/> <p>(51) C11D 7/06                  C11D 7/50                  C11D 1/825                  (11) 2030269                  (47) 29.06.2023</p>	<p>(22) 23.12.2021                  (54) Vloeibare samenstelling voor het                  verwijderen van vette afzettingen                  van een oppervlak, werkwijze voor het                  verwijderen van vette afzettingen                  van een oppervlak, en gebruik van                  een dergelijke samenstelling voor het                  verwijderen van vette afzettingen van                  een oppervlak.                  (73) HG International B.V.                  (72) Karin van der Pol-Blijleven                  Barry Derriks                  (74) ir. A. Blokland c.s.</p> <hr/> <p>(51) C12N 1/02                  C12N 1/14                  (11) 2031981                  (47) 28.06.2023                  (22) 25.05.2022                  (54) SMALL-HOLE ISOLATION METHOD                  FOR RAPID REMOVING BACTERIAL                  CONTAMINATION IN FUNGUS                  (73) Zhejiang Academy of Agricultural                  Sciences                  (72) Haiping Qiu                  Guochang Sun                  Zhen Zhang                  Rongyao Chai                  Xueqin Mao                  Xiaoxiao Shi                  Yanli Wang                  Jiaoyu Wang                  (74) drs. C.M.A. Quintelier</p> <hr/> <p>(51) C12N 15/66                  C12N 15/64                  C07K 14/65                  C12N 15/70                  (11) 2033165                  (47) 30.06.2023                  (22) 28.09.2022                  (54) METHOD FOR IMPROVING LIGATION                  EFFICIENCY OF TARGET FRAGMENT                  AND psiCHECK2 VECTOR                  (73) Yangzhou University                  (72) Wei Sun                  Shanhe Wang                  Xiukai Cao                  Zehu Yuan                  Shan Wang                  (74) ir. M.B. Plaggenborg                  (31) 20211161574.3                  (32) 30.09.2021                  (33) China</p> <hr/> <p>(51) C12N 15/82                  A01G 9/00                  A01G 22/00                  (11) 2030273                  (47) 29.06.2023                  (22) 23.12.2021                  (54) Werkwijze voor het produceren van een                  verbinding                  (73) Plantlab Groep B.V.                  (72) Martinus Kers                  Klaas Heijmans                  (74) drs. A.A. Jilderda</p> <hr/> <p>(51) C12Q 1/02                  (11) 2032572                  (47) 30.06.2023                  (22) 21.07.2022</p>	<p>(54) METHOD FOR DETERMINING                  CAPSAICIN CONTENT BY BOTRYTIS                  CINEREA                  (73) Zhejiang Academy of Agricultural                  Sciences                  (72) Rongqing Wang                  Qingjing Ye                  Zhuping Yao                  Meiyang Ruan                  Guozhi Zhou                  Hongjian Wan                  Yuan Cheng                  (74) ir. M.B. Plaggenborg                  (31) 202110843760.9                  (32) 26.07.2021                  (33) China</p> <hr/> <p>(51) C12Q 1/14                  C12Q 1/10                  (11) 2030349                  (47) 04.07.2023                  (22) 29.12.2021                  (54) METHOD FOR ISOLATION AND                  SCREENING AND EVALUATION OF                  ANTIBIOTIC RESISTANCE OF E. COLI                  AND S. AUREUS IN ESTUARY AND                  NEARSHORE MARINE ENVIRONMENT                  (73) National Marine Environmental                  Monitoring Center                  Hainan Tropical Ocean University                  (72) Ruijing Li                  Haibo Zhang                  Guangshui Na                  Hui Gao                  Shuaichen Jin                  (74) ir. W.J.J.M. Kempes</p> <hr/> <p>(51) C12Q 1/6816                  C12Q 1/6897                  C12Q 1/689                  (11) 2031712                  (47) 03.07.2023                  (22) 26.04.2022                  (54) METHOD AND KIT FOR RAPID IN-                  SITU DETECTION OF FOODBORNE                  PATHOGENIC BACTERIA VIBRIO                  PARAHAEMOLYTICUS AND USE                  THEREOF                  (73) Institute of Environmental and                  Operational Medicine                  (72) Xi Zhang                  Jingfeng Wang                  Chenyu Li                  Shang Wang                  Zhiqiang Shen                  Huaixiu Bi                  Bin Xue                  Xiaobo Yang                  Zhigang Qiu                  Chen Zhao                  (74) ir. M.B. Plaggenborg                  (31) 202111625293.9                  (32) 28.12.2021                  (33) China</p> <hr/> <p>(51) C12Q 1/6818                  C12Q 1/689                  (11) 2033913                  (47) 04.07.2023                  (22) 05.01.2023</p>
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(54) Method for detecting Vibrio parahaemolyticus by fluorescence quenching probe	(31) 202210857738.4 (32) 21.07.2022 (33) China	(72) Bernardus Petrus Maria van Egmond (74) ir. M.B. Plaggenborg
(73) HEFEI UNIVERSITY OF TECHNOLOGY	(51) C21B 13/00	(51) E04F 13/18
(72) Yuwei Ren	(11) 2030295	(11) 2030320
Na Ling	(47) 30.06.2023	(47) 03.07.2023
Yingwang Ye	(22) 24.12.2021	(22) 28.12.2021
Yizhong Shen	(54) A method for producing iron fuel.	(54) Decorative panel and decorative covering
Danfeng Zhang	(73) Renewable Iron Fuel Technology B.V.	(73) I4F LICENSING NV
Lulu Cao	(72) Lex Scheepers	(72) Eddy Alberic Boucké
(74) dr. T. Wittop Koning PhD	Marcus Wilhelmus Petrus Verhagen	(74) ir. H.Th. van den Heuvel c.s.
(31) 202210712052.6	(74) ir. A. Blokland c.s.	(51) E04F 13/18
(32) 22.06.2022	(51) D06B 23/04	E04F 15/10
(33) China	(11) 2030331	E04F 15/02
(51) C12Q 1/6883	(47) 04.07.2023	(11) 2030318
(11) 2030347	(22) 29.12.2021	(47) 03.07.2023
(47) 04.07.2023	(54) scCO2 dyeing system	(22) 28.12.2021
(22) 29.12.2021	(73) Penn Asia Co., Ltd.	(54) Decorative anti-slip floor covering element and decorative anti-slip floor covering
(54) PRIMER SET FOR DETECTING MUTATIONS OF HUMAN SERPINF1 GENE AND KIT THEREOF	(72) Wudthipong Yeh	(73) I4F LICENSING NV
(73) Shandong First Medical University & Shandong Academy of Medical Sciences	(74) ir. H.A. Witmans c.s.	(72) Eddy Alberic Boucké
(72) Jinxiang Han	(51) E01B 26/00	(74) ir. H.Th. van den Heuvel c.s.
Dan Yang	B61L 23/06	(51) E04F 15/02
Yanqin Lu	E04H 17/00	E04F 13/08
Wei Zhi	(11) 2031873	E04F 13/18
Chang Chen	(47) 30.06.2023	E04F 15/10
Junfeng Li	(22) 21.07.2021	(11) 2030317
Keying Qian	(54) SPOORBEVEILIGINGSINRICHTING EN BARRIÈREWARSBALK VOOR EEN SPOORBEVEILIGINGSINRICHTING	(47) 03.07.2023
Zijian Zhang	(62) 2028802 (21.07.2021)	(22) 28.12.2021
(74) ir. W.J.J.M. Kempes	(73) Stölting Rail Tec GmbH	(54) Decorative panel and method of producing such a panel
(51) C12Q 1/6888	(72) Markus Reich	(73) I4F LICENSING NV
(11) 2033977	Tobias Reich	(72) Eddy Alberic Boucké
(47) 04.07.2023	(74) dr. R.C. van Duijvenbode c.s.	(74) ir. H.Th. van den Heuvel c.s.
(22) 18.01.2023	(31) 20 2020 104 170.3	(51) E04G 21/04
(54) Recombinase Polymerase Amplification Primers and Probe, Kit for Rapid Detection of Heterodera filipjevi and Applications	(32) 21.07.2020	B25J 11/00
(73) Institute of Plant Protection(IPP).Chinese Academy of Agricultural Sciences(CAAS)	(33) Germany	B28B 23/02
(72) Wenkun Huang	(51) E01C 3/04	B29C 64/188
Hudie Shao	(11) 2030350	B23P 19/06
Lingan Kong	(47) 04.07.2023	B28B 17/00
Huan Peng	(22) 29.12.2021	(11) 2030291
Deliang Peng	(54) A LONG AND SHORT PILE-SLAB STRUCTURE FOR CONTROLLING THE DIFFERENTIAL SETTLEMENT OF EXPRESSWAY TRANSITION SECTION AND A CONSTRUCTION METHOD THEREOF	(47) 30.06.2023
(74) dr. T. Wittop Koning PhD	(73) National Engineering Laboratory for Construction Technology of High Speed Railway	(22) 24.12.2021
(31) 202210106161.3	Central South University	(54) Assembly for guiding a helical body into a viscous, pliable, or solidifying material
(32) 28.01.2022	Zhuhai Communication Group Co.,Ltd.	(73) Technische Universiteit Eindhoven
(33) China	(72) Jiale Wan	(72) Freek Paul Bos
(51) C12Q 1/689	Xiaoxiong Men	Lauri Hass
(11) 2033865	Weizheng Liu	(74) ir. A. Blokland c.s.
(47) 28.06.2023	Weijia Chen	(51) E04H 6/00
(22) 29.12.2022	Mengyuan Ge	(11) 2030276
(54) METHOD FOR DETECTING SALMONELLA TYPHIMURIUM BY FLUORESCENT PROBE BASED ON NITROGEN AND SULFUR CO-DOPED GRAPHENE QUANTUM DOTS	Wencong Li	(47) 29.06.2023
(73) HEFEI UNIVERSITY OF TECHNOLOGY	Zhiguo Shi	(22) 23.12.2021
(72) Lulu Cao	(74) ir. W.J.J.M. Kempes	(54) Modular storage box
Danfeng Zhang	(51) E04C 3/18	(73) Robert Prins
Yuwei Ren	(11) 2030299	(72) Robert Prins
Yingwang Ye	(47) 30.06.2023	(74) drs. P.A. van Essen c.s.
Na Ling	(22) 24.12.2021	(51) E04H 6/18
Yizhong Shen	(54) HYBRIDE OVERSPANNING	(11) 2030340
(74) dr. T. Wittop Koning PhD	(73) BPM Beheer en Ontwikkeling B.V.	(47) 04.07.2023
		(22) 29.12.2021
		(54) HYDRAULIC ELEVATION IDLER CONVEYING TYPE PUBLIC VEHICLE GARAGE AND VERTICAL PUBLIC VEHICLE PARKING SYSTEM
		(73) Beijing Shoujia Steel Structure Co.,Ltd.

(72) Shukun Xiao Jie Shao Bing Qi Chun Zhou Yongwei Li	vloeistofturbine voor het opwekken van energie	(22) 27.12.2021
(74) ir. W.J.J.M. Kempes	(73) Joseph Wilhelmus Peter Wilms	(54) PRESSURE EQUALIZING SEPARATOR AND A SYSTEM COMPRISING THE SAME
(51) E06B 5/14	(72) Joseph Wilhelmus Peter Wilms	(73) Flamco B.V.
E06B 7/23	(74) ir. A. Blokland c.s.	(72) Bernardus Cornelis Hubertus Mureau
E06B 3/70	(51) F03D 13/20	Jan Henk Cnossen
(11) 2032898	F03D 13/25	Christian Kirchhoff
(47) 28.06.2023	(11) 2030213	(74) dr. ir. G.J.C. Verdijck c.s.
(22) 30.08.2022	(47) 29.06.2023	(51) F26B 5/04
(54) DAMPPROOF AIR-TIGHT DOOR	(22) 22.12.2021	B67B 1/04
(73) Zunhua Kuowang Wood Industry Co.,Ltd.	(54) Method and connecting ring for mounting a tower to a foundation pile, and a wind turbine generator	F26B 5/06
(72) Yingying Yang	(73) Sif Holding N.V.	(11) 2030239
Changbo Yu	(72) Michel Antoine Marie Kurstjens	(47) 29.06.2023
Jian Gao	Stefan Petrus Hendrik Everts	(22) 22.12.2021
Chao Gao	Hermanus Jan Goverse	(54) Device and method for freeze-drying liquid-containing composition
Xinyu Gao	(74) ir. H.A. Witmans c.s.	(73) RheaVita BV
(74) ir. W.J.J.M. Kempes	(51) F04C 15/00	(72) Michel Prijs
(31) 202122989903.5	G06F 30/17	Jozef Antonius Willem Maria Corver
(32) 01.12.2021	G06F 30/28	Menno Cornelis Bouhuijs
(33) China	(11) 2030221	(74) drs. W.H.P. Derks
(51) F01D 5/30	(47) 28.06.2023	(51) F26B 5/04
B23K 101/00	(22) 22.12.2021	F16K 3/18
B23K 20/12	(54) Design Method of Oil Seal Structure for Multi-Stage Double-Supported Pump	F16K 51/02
(11) 2032714	(73) ZHEJIANG INTERNATIONAL MARITIME COLLEGE	F26B 5/06
(47) 30.06.2023	(72) Zailiang Liu	F26B 25/00
(22) 10.08.2022	(74) ir. W.J.J.M. Kempes	F26B 25/12
(54) INERTIA FRICTION WELDING DEVICE AND METHOD FOR TURBINE DISC SHAFT OF AIRCRAFT ENGINE	(31) 2021100663279	(11) 2030241
(73) Harbin Welding Institute Limited Company	(32) 19.01.2021	(47) 29.06.2023
(72) Yunlei Li	(33) China	(22) 22.12.2021
Wenhan Zhang	(51) F16B 39/08	(54) Device and method for freeze-drying liquid-containing composition
Yushan Zhao	F16G 15/06	(73) RheaVita BV
Yanquan Wu	(11) 2030256	(72) Menno Cornelis Bouhuijs
Qi Wang	(47) 29.06.2023	Michel Prijs
Hanlin Yan	(22) 23.12.2021	Jozef Antonius Willem Maria Corver
Yue Lin	(54) Device for preventing rotation of a nut on a bolt from a shackle provided with such a device	(74) drs. W.H.P. Derks
Feng Qin	(73) VAN BEEST GROUP B.V.	(51) F26B 5/04
Haifeng Yang	(72) Antonie van der Zalm	F26B 5/06
Wu Liang	Emiel Tjalling Wichert van Norel	F26B 11/08
Chunbo Zhang	Erik-Jan van Lit	F26B 15/12
Limin Zhai	(74) ir. H.Th. van den Heuvel c.s.	F26B 25/00
Jun Zhou	(51) F21V 17/00	(11) 2030238
Rui Li	F21S 2/00	(47) 29.06.2023
(74) ir. W.J.J.M. Kempes	F21S 8/08	(22) 22.12.2021
(31) 202110937227.9	F21V 14/06	(54) Device and method for freeze-drying liquid-containing composition
(32) 16.08.2021	F21V 5/00	(73) RheaVita BV
(33) China	(11) 2030243	(72) Menno Cornelis Bouhuijs
(51) F01N 3/20	(47) 29.06.2023	Michel Prijs
F01N 9/00	(22) 22.12.2021	Jozef Antonius Willem Maria Corver
(11) 2030304	(54) COMPUTER-IMPLEMENTED METHOD FOR DESIGNING AN OPTICAL UNIT FOR A LUMINAIRE, AND ASSOCIATED PRODUCTION METHOD	(74) drs. W.H.P. Derks
(47) 03.07.2023	(73) SCHREDER S.A.	(51) F26B 5/06
(22) 27.12.2021	(72) Benoit Kerff	B65G 65/00
(54) After treatment heater system and control	Paul Bawin	F26B 25/00
(73) Daf Trucks N.V.	Paul Smets	(11) 2030242
(72) Tim Weidema	Roxane Caprara	(47) 29.06.2023
(74) ir. H.A. Witmans c.s.	(74) dr. ir. G.J.C. Verdijck c.s.	(22) 22.12.2021
(51) F03B 17/06	(51) F25B 40/00	(54) Device and method for freeze-drying liquid-containing composition
(11) 2030251	(11) 2030309	(73) RheaVita BV
(47) 29.06.2023	(47) 03.07.2023	(72) Jozef Antonius Willem Maria Corver
(22) 23.12.2021		Michel Prijs
(54) Een horizontale vloeistofturbine en een toepassing van een horizontale		Menno Cornelis Bouhuijs
		(74) drs. W.H.P. Derks
		(51) F26B 5/06

F25D 25/00	Qi Jia	Bin Tian
F26B 11/08	Zhangmin Yi	Lidong Sun
(11) 2030240	Xiaochen Liu	Zihao Chen
(47) 29.06.2023	Bingbin Qin	Hao Cha
(22) 22.12.2021	Zheng Tang	(74) dr. T. Wittop Koning PhD
(54) Device and method for freeze-drying liquid-containing composition	(74) ir. W.J.J.M. Kempes	(51) G01V 1/50
(73) RheaVita BV	(51) G01N 21/88	(11) 2030715
(72) Menno Cornelis Bouhuijs	G01N 21/57	(47) 28.06.2023
Jozef Antonius Willem Maria Corver	G01N 21/84	(22) 26.01.2022
Michel Prijs	(11) 2030196	(54) SINGLE-WELL MICROSEISMIC MONITORING METHOD, STORAGE MEDIUM AND TERMINAL EQUIPMENT
(74) drs. W.H.P. Derks	(47) 28.06.2023	(73) Southern University of Science and Technology
(51) F27D 1/14	(22) 20.12.2021	(72) Xingda Jiang
E04B 1/94	(54) Method of analysing optical properties of material.	Hui Yang
(11) 2030192	(73) Industrial Physics Inks & Coatings B.V.	Wei Zhang
(47) 28.06.2023	(72) Nico Hendrik Frankhuizen	(74) dr. R.C. van Duijvenbode c.s.
(22) 20.12.2021	(74) ir. A. Blokland c.s.	(31) 202110104652.X
(54) A refractory anchor for lining an object, such as a thermal vessel	(51) G01Q 10/06	(32) 26.01.2021
(73) Silicon Refractory Anchoring Systems B.V.	(11) 2030289	(33) China
(72) Jerome Michael Garot	(47) 30.06.2023	(51) G01V 3/04
Danielle Francesca Garot	(22) 24.12.2021	G01M 3/16
(74) ir. A. Blokland c.s.	(54) Scanning probe microscopy system and method of operating such a system.	G01M 3/40
(51) G01D 5/02	(73) Nearfield Instruments B.V.	G01N 27/04
G06M 7/06	(72) Jakob van de Laar	G01N 27/06
G06M 3/02	Arseniy Kalinin	(11) 2030330
(11) 2030264	Ruud Ruizenaar	(47) 28.06.2023
(47) 29.06.2023	Hamed Sadeghian Marnani	(22) 29.12.2021
(22) 23.12.2021	(74) ir. H.A. Witmans c.s.	(54) MEASURING DEVICE AND MEASURING METHOD BASED ON HIGH-DENSITY ELECTRICAL METHOD
(54) SYSTEEM EN WERKWIJZE VOOR HET TELLEN VAN RIMPELINGEN IN EEN FLEXIBEL MATERIAAL	(51) G01Q 10/06	(73) CHINESE RESEARCH ACADEMY OF ENVIRONMENTAL SCIENCES
(73) COULISSE B.V.	G01Q 30/06	(72) Jingcai Liu
(72) Maarten Petrus Maria Janssens	(11) 2030290	Changxin Nai
Saša Jusufovic	(47) 30.06.2023	Guangyuan Yao
Ruben Hubert Jan de Vries	(22) 24.12.2021	Yuqiang Liu
Bastiaan Franciscus Klein Tunte	(54) Atomic Force Microscope (AFM) device and method of operating the same	Ya Xu
(74) drs. C.H. Mink-Lindenburg	(73) Nearfield Instruments B.V.	(74) dr. J. van Straaten
(51) G01M 17/007	(72) Hamed Sadeghian Marnani	(31) 202111255302X
(11) 2030337	Jakob van de Laar	(32) 27.10.2021
(47) 04.07.2023	Arseniy Kalinin	(33) China
(22) 29.12.2021	(74) ir. H.A. Witmans c.s.	(51) G01V 3/08
(54) VEHICLE INERTIA TEST BENCH WITH CLUTCHES	(51) G01S 19/07	(11) 2030048
(73) SHANDONG XINLINGZHI TESTING TECHNOLOGY CO., LTD.	(11) 2032595	(47) 30.06.2023
(72) Xiangchen Tang	(47) 28.06.2023	(22) 07.12.2021
Jiangwei Cui	(22) 25.07.2022	(54) A CSAMT near-field prospecting method and device
Xuesong Tian	(54) HIGH-ACCURACY BEIDOU ATMOSPHERIC DUCT RETRIEVING SYSTEM	(73) Institute of Geology and Geophysics, Chinese Academy of Science
Youlei Gao	(73) Naval University of Engineering, PLA	(72) Qingsong Wang
Wenguang Zhang	(72) Faxing Lu	Chuanjian Xu
(74) ir. W.J.J.M. Kempes	Hao Cha	Xin Wu
(51) G01N 1/02	Zihao Chen	Yang Zhao
(11) 2030313	Lidong Sun	Weiyang Chen
(47) 03.07.2023	Bing Fu	Guoqiang Xue
(22) 28.12.2021	Bin Tian	Jinhui Zhang
(54) MULTI-PIPE AND BOX-TYPE INTEGRATED SAMPLER APPLICABLE TO DEEP-SEA SEDIMENT SAMPLING OPERATION	(74) dr. T. Wittop Koning PhD	(51) G01V 9/00
(73) First Institute of Oceanography, Ministry of Natural Resources	(51) G01S 19/07	G01N 33/24
(72) Zhifang Xiong	G06N 3/02	(11) 2031058
Jingteng Guo	(11) 2032589	(47) 28.06.2023
Linmiao Wang	(47) 28.06.2023	(22) 24.02.2022
Tiegang Li	(22) 25.07.2022	(54) Technology based on multi-element fingerprint analysis to evaluate vertical differentiation of elements in soils at different altitudes and application thereof
Baichuan Duan	(54) METHOD FOR CONSTRUCTING ZENITH TROPOSPHERE DELAY DATABASE BASED ON ERA-5	(73) Jilin Jianzhu University
	(73) Naval University of Engineering, PLA	
	(72) Faxing Lu	
	Bing Fu	

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|--|---|--|
| (72) Yingying Xu<br>Xiaoyan Zhu<br>Shuang Liang<br>Zhong Wu<br>Yuxiang Yuan<br>Yinze Zhu<br>Ke Zhao<br>Xiangfei Yu<br>Peng Zhang | (54) DATA-DRIVEN RAPID LOCATING<br>METHOD FOR COMPOUND FAULT IN<br>LARGE INDUSTRIAL UNITS   | G06Q 50/04<br>(11) 2030184<br>(47) 28.06.2023  |
| (74) dr. T. Wittop Koning PhD<br>(31) 202111271436.0<br>(32) 29.10.2021<br>(33) China  | (73) Guangdong University of Petrochemical<br>Technology  | (22) 17.12.2021<br>(54) BIG-DATA-BASED CHINESE<br>MEDICINAL MATERIAL QUALITY<br>TRACING SYSTEM   |
| (51) G02B 13/14<br>G02B 13/18<br>G02B 13/06<br>A61B 5/01   | (72) Xiaofeng Wang<br>Chenglin Wen<br>Ye Ke<br>Shaolin Hu<br>Naiquan Su<br>Shihua Wang<br>Caixia Zhang<br>Yarong Lei<br>Qinghua Zhang | (73) CHONGQING COLLEGE OF<br>ELECTRONIC ENGINEERING<br>Chongqing Institute of Medicinal Plant<br>Cultivation                                 |
| (11) 2030343<br>(47) 04.07.2023<br>(22) 29.12.2021   | (74) ir. W.J.J.M. Kempes  | (72) Linsheng Zhang<br>Yuke Lin<br>Liangsong Yin<br>Jie Shen<br>Ying Zhang<br>Zhengjie Liang<br>Jin Xu                                       |
| (54) INFRARED THERMAL IMAGING<br>OPTICAL SYSTEM  | (51) G06F 3/0482<br>H04M 3/51<br>H04M 1/72403   | (74) ir. M.B. Plaggenborg  |
| (73) Foshan University   | (11) 1044239<br>(47) 29.06.2023<br>(22) 21.12.2021  | (51) G06Q 10/06<br>G06Q 50/02<br>G06F 16/9535  |
| (72) Yanxiong Wu<br>Yang Xiang<br>Haishu Tan<br>Liping Wang  | (54) Softwareprotocol telefonie na tot stand<br>gekomen verbinding  | (11) 2030183<br>(47) 28.06.2023<br>(22) 17.12.2021   |
| (74) ir. W.J.J.M. Kempes   | (73) Adriaan de Kuijper<br>(72) Adriaan de Kuijper  | (54) BIG DATA-BASED INTELLIGENT<br>MANAGEMENT PLATFORM FOR<br>TRADITIONAL CHINESE MEDICINE<br>DISEASES                                       |
| (51) G02F 1/01<br>G02B 1/00  | (51) G06F 16/9535<br>G06Q 50/02<br>G06Q 10/06   | (73) Chongqing Institute of Medicinal Plant<br>Cultivation<br>CHONGQING COLLEGE OF<br>ELECTRONIC ENGINEERING                                 |
| (11) 2030632<br>(47) 28.06.2023<br>(22) 20.01.2022   | (11) 2030185<br>(47) 28.06.2023<br>(22) 17.12.2021  | (72) Jie Shen<br>Zhengjie Liang<br>Shuang Zhu<br>Ying Zhang<br>Yuke Lin<br>Bin Wang  |
| (54) SQUARE LATTICE METASURFACE<br>RESONATOR WITH ADJUSTABLE<br>OPTICAL ROTATION AND<br>POLARIZATION                             | (54) BIG DATA-BASED TRADITIONAL<br>CHINESE MEDICINE AGRICULTURAL<br>INFORMATION INTELLIGENT SERVICE<br>SYSTEM                         | (74) ir. M.B. Plaggenborg  |
| (73) Anhui University  | (73) Chongqing Institute of Medicinal Plant<br>Cultivation<br>CHONGQING COLLEGE OF<br>ELECTRONIC ENGINEERING                          | (51) G08G 1/095<br>B60Q 1/14<br>H05B 47/115<br>F21V 23/00  |
| (72) Siliang Wang<br>Zihua Ren<br>Xingang Ren<br>Kaikun Niu<br>Dongfang Shen<br>Zhixiang Huang<br>Lixia Yang<br>Qing Ci          | (72) Zhengjie Liang<br>Dan Qin<br>Ying Zhang<br>Jie Shen<br>Yuke Lin<br>Yong Lin  | (11) 2030338<br>(47) 04.07.2023<br>(22) 29.12.2021   |
| (74) ir. M.B. Plaggenborg<br>(31) 202111056842.5<br>(32) 09.09.2021<br>(33) China  | (74) ir. M.B. Plaggenborg   | (54) SIGNAL LAMP FOR SIMULATED<br>TRAFFIC  |
| (51) G04B 1/10<br>(11) 2030228<br>(47) 29.06.2023<br>(22) 22.12.2021   | (51) G06F 30/20<br>G06Q 10/06<br>G06Q 50/30   | (73) SHANDONG JIAOTONG UNIVERSITY<br>(72) Xiangchen Tang<br>Yujian Zou<br>Mingjin Yu<br>Yong Cheng<br>Wanyou Huang<br>Xiang Hao<br>Jian Wang |
| (54) A wristwatch and an energy storage<br>device for such a wristwatch  | (11) 2030336<br>(47) 04.07.2023<br>(22) 29.12.2021  | (74) ir. W.J.J.M. Kempes   |
| (73) ROLEX SA  | (54) COMPUTER SYSTEM FOR<br>RELIABILITY EVALUATION AND POST-<br>DISASTER RECOVERY FOR SHIPPING<br>NETWORK                             | (51) G11C 29/00<br>G11C 29/44<br>G11C 29/10<br>G11C 29/36<br>G11C 29/52<br>G11C 29/04<br>G06F 11/10<br>G11C 29/42                            |
| (72) Alje Geert Dunning<br>Sybren Lennard Weeke<br>Roemer Michiel Helwig<br>Eola Jessica Giuffre<br>Maarten Pieter Lustig        | (73) Wuhan University of Technology<br>(72) Di Zhang<br>Jiale Tao<br>Jinfen Zhang<br>Jing Wu<br>Chengpeng Wan                         | (11) 2029789<br>(47) 28.06.2023  |
| (74) mr. ir. J. van Breda c.s.   | (74) ir. W.J.J.M. Kempes  |  |
| (51) G05B 23/02<br>(11) 2030345<br>(47) 04.07.2023<br>(22) 29.12.2021  | (51) G06Q 10/06<br>G06Q 30/00<br>G06Q 10/08<br>G16H 70/40<br>G06K 17/00   |  |



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(54) ADAPTIVE ERROR CORRECTION TO IMPROVE FOR SYSTEM MEMORY RELIABILITY, AVAILABILITY, AND SERVICEABILITY (RAS)	(54) GLASS CATHODE MATERIAL AND PREPARATION METHOD AND USE THEREOF	H02J 7/00
(73) Intel Corporation	(73) Hainan University	(11) 1044240
(72) Kjersten E. Criss	(72) Xue Liang	(47) 29.06.2023
Theodros Yigzaw	Fanhou Kong	(22) 21.12.2021
Sreenivas Mandava	Keke Huang	(54) Smart universal permanent magnet voltage regulator/rectifier.
Wei Wu	Changjiu Li	(73) Ultimate Rectifier B.V.
Rajat Agarwal	(74) ir. W.J.J.M. Kempes	(72) Ing. Marcus Henricus Johannes van Erp
Wei P. Chen	(51) H01M 4/505	Ing. Rudy Coppens
Kuljit Bains	H01M 10/0562	(51) H04L 9/32
Jing Ling	H01M 10/0525	H04L 9/00
Hsing-Min Chen	H01M 4/131	G06F 21/62
Deep K. Buch	H01M 4/38	H04L 67/131
John G. Holm	H01M 4/02	H04L 9/40
Vaibhav Singh	H01M 4/525	(11) 2032902
Andrew M. Rudoff	H01M 4/04	(47) 03.07.2023
(74) dr. A. Krebs	(11) 2030271	(22) 30.08.2022
(31) PCT/US2020/067075	(47) 29.06.2023	(54) USER DATA MANAGEMENT METHOD, DEVICE, TERMINAL APPARATUS AND MEDIUM
(32) 26.12.2020	(22) 23.12.2021	(73) SHENZHEN BLOCKCHAIN FINANCIAL SERVICES CO., LTD
(33) United States of America	(54) Solid State Lithium-Ion Batteries Comprising a Nanoporous Silicon Anode	(72) Feng Cao
(51) H01L 21/56	(73) LeydenJar Technologies B.V.	Yanduo Ren
H01L 23/31	(72) Zhaolong Li	Xuefei Lin
H01L 21/60	Marnix Wagemaker	(74) drs. C.M.A. Quintelier
H01L 25/065	Arjen Didden	(51) H04L 69/00
H01L 23/538	(74) dr. A. Krebs	H04L 69/22
H01L 23/498	(51) H01M 8/04186	H04L 47/10
(11) 2029703	H01M 8/04089	H04W 28/02
(47) 28.06.2023	H01M 8/04082	H04L 1/00
(22) 10.11.2021	H01M 8/18	H04L 1/08
(54) MICROELECTRONIC STRUCTURES INCLUDING BRIDGES	(11) 2030263	(11) 2030225
(73) Intel Corporation	(47) 29.06.2023	(47) 29.06.2023
(72) Omkar G. Karhade	(22) 23.12.2021	(22) 22.12.2021
Nitin A. Deshpande	(54) A Hydrogen-X flow battery system coupled to a hydrogen pipeline network.	(54) Method and system for transmitting a response message
Sairam Agraharam	(73) Elestor B.V.	(73) Optiver IP B.V.
Xiaoxuan Sun	(72) Wiebe Berend Kout	(72) Andrew John Alexander McCaffrey
(74) dr. A. Krebs	Kamuran Yaşadi	Dennis Fleurbaaij
(31) 17/129,135	Willem-Jan van Dijk	(74) ir. A.R. Aalbers
(32) 21.12.2020	(74) ir. A. Blokland c.s.	(51) H04N 9/31
(33) United States of America	(51) H01Q 1/52	(11) 2030234
(51) H01L 25/065	H01Q 21/06	(47) 29.06.2023
H01L 21/60	H01Q 21/28	(22) 22.12.2021
H01L 23/538	G01S 7/02	(54) Projector system and method for projecting images
H01L 23/498	G01S 13/87	(73) Active Cues B.V.
(11) 2029640	(11) 2030203	(72) Marijn Koetzler
(47) 28.06.2023	(47) 29.06.2023	Frederikus Wilhelmus Maria Soetens
(22) 04.11.2021	(22) 21.12.2021	Rajiv Sanchez Krijnen
(54) MICROELECTRONIC STRUCTURES INCLUDING GLASS CORES	(54) Structure for antennae	(74) ir. A.R. Aalbers
(73) Intel Corporation	(73) THALES NEDERLAND B.V.	(51) H04N 13/111
(72) Bharat Prasad Penmecha	(72) Robert Fennis	H04N 13/305
Srinivas V. Pietambaram	(74) mr. ir. J. van Breda c.s.	H04N 13/351
Tarek A. Ibrahim	(51) H02H 3/24	H04N 13/359
Gang Duan	H02H 3/44	H04N 13/373
Sai Vadlamani	H02H 9/02	H04N 13/376
(74) dr. A. Krebs	G01R 19/165	H04N 13/31
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C03C 3/21	(73) Spierings Group B.V.	(22) 29.12.2021
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H01M 4/485	Gerbert van de Ven	
(11) 2030219	(74) dr. R.C. van Duijvenbode c.s.	
(47) 29.06.2023		

- (73) Dimenco Holding B.V.  
 (72) Sander Johannes Brouwers  
 Silvino José Antuña Presa  
 (74) dr. T. Hubregtse
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- (51) H04N 13/117  
 H04N 13/122  
 H04N 13/128  
 H04N 13/139  
 H04N 13/302  
 H04N 13/366  
 (11) 2030325  
 (47) 03.07.2023  
 (22) 28.12.2021  
 (54) SCALING OF THREE-  
 DIMENSIONAL CONTENT FOR AN  
 AUTOSTEREOSCOPIC DISPLAY  
 DEVICE  
 (73) Dimenco Holding B.V.  
 (72) Sander Johannes Brouwers  
 Silvino José Antuña Presa  
 Jurjen Caarls  
 (74) dr. T. Hubregtse
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- (51) H04N 13/302  
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 (11) 2030187  
 (47) 28.06.2023  
 (22) 18.12.2021  
 (54) METHOD AND DEVICE FOR  
 CANCELLING DISTORTION AND  
 DISPLACEMENT OF A DISPLAYED  
 THREE DIMENSIONAL IMAGE  
 (73) Dimenco Holding B.V.  
 (72) Jurjen Caarls  
 Pieter Wilhelmus Theodorus de Jong  
 Patrick Godefridus Jacobus Maria  
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 (74) dr. T. Hubregtse
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 (22) 17.12.2021  
 (54) AUTOSTEREOSCOPIC DISPLAY  
 DEVICE PRESENTING 3D-VIEW AND  
 3D-SOUND  
 (73) Dimenco Holding B.V.  
 (72) Rick Johannes Cornelis Merks  
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 (74) ir. J.C. Volmer c.s.
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- (22) 29.12.2021  
 (54) TRAFFIC SIGNAL LAMP CAPABLE  
 OF INTELLIGENTLY ADJUSTING  
 BRIGHTNESS  
 (73) SHANDONG JIAOTONG UNIVERSITY  
 (72) Xiangchen Tang  
 Wanyou Huang  
 Shaobo Ji  
 Mingjin Yu  
 Jun Yang  
 Yujian Zou  
 Xiang Hao  
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**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

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

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SVENSSON, Mats	(73) PÖTTINGER Landtechnik GmbH	(51) A01H 17/00
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PERROTIN, FREDERIC		SCIORTINO, Salvatore
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(51) A61B 8/12	CONFIGURED FOR EASY REMOVAL	(73) Ethicon LLC
A61B 8/08	(73) Ethicon Endo-Surgery, Inc.	(72) JENKINS, Scott A.
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(72) PRZYKLENK, Karl-Heinz	(72) SYRJÄNEN, Kari	University of Maryland, Baltimore
GERNOT, Francas	SUOVANIEMI, Osmo	(72) HASDAY, Jeffrey
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EINASTE, Taavi	BURGE, Russell	thyssenkrupp Marine Systems GmbH
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MIXER	B01J 23/66	(73) Johnson Matthey Public Limited
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KAJI, Toshio	B27B 19/09	CARTRIDGE INTO A PLASMA ARC
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(33) Germany	19.11.2020	PROCESSING CONTROL DATA
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(54) METHOD FOR PRODUCING AN	B24D 11/00	(21) EP19217811.9
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(73) 3M Innovative Properties Company	(22) 14.01.2019	BLUM, Jens
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(73) The Boeing Company	WIGGERS, Robert T.	(72) ZIMMERMANN, Uwe
(72) Draper, Alan S.	GROUT, Wayne	SCHARMA, Shashank
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A61F 5/28	OR MORE COLLABORATIVE ROBOTS	Tokura, Seiji
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(73) Joy Global Underground Mining LLC	MOULD	SCHÜTZ, Christine
(72) LAING, Michael	(73) Renault s.a.s	WACHENSCHWAN, Volker
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(73) Sumitomo Heavy Industries, Ltd.	(47) 05.07.2023	UOSUKAINEN, Mika
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B29K 101/12	(47) 05.07.2023	(21) EP20731210.9
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(21) EP20201446.0	(54) CHECK JOINT STRUCTURE FOR	(87) IB2020054469
(47) 05.07.2023	CONNECTION OF AIR NOZZLE OF	19.11.2020
(22) 06.02.2014	TIRE AND CONNECTION HOSE OF AIR	(22) 12.05.2020
(54) PULTRUSION METHODS	COMPRESSOR	(54) METHOD FOR PRODUCING
AND ARRANGEMENTS FOR	(73) Chou, Wen-San	PHOTOCHROMIC CONTACT LENSES
MANUFACTURING A FIBRE-	Chou, Cheng-Hsien	(73) Alcon Inc.
REINFORCED COMPOSITE PRODUCT	(72) Chou, Wen-San	(72) LANG, Weihong
(73) Leichtbau-Zentrum Sachsen GmbH	Chou, Cheng-Hsien	GE, Junhao
Airbus Operations GmbH	(31) 108134491	ZHANG, Steve Yun
(72) Witschel, Bernhard	(32) 24.09.2019	WU, Daqing
Lenz, Florian	(33) Taiwan, Chinese Taipei	(31) 201962846921 P
Garthaus, Christian	(51) B29C 73/16	(32) 13.05.2019
Hufenbach, Werner	F04B 39/00	(33) United States of America
Behnisch, Thomas	F04B 41/02	(51) B29D 11/00
(51) B29C 70/54	B29L 30/00	G02B 1/04
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B29C 70/44	(47) 05.07.2023	(11) EP3890952
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(21) EP20729038.8	(72) KONO, Tsutomu	11.06.2020
(47) 05.07.2023	NAKAO, Yukio	(22) 30.05.2019

(54) METHOD FOR MAKING COATED SILICONE HYDROGEL CONTACT LENSES	(33) China	PÉREZ PASTOR, Augusto
(73) Alcon Inc.	(51) B29D 35/00	(51) B29D 99/00
(72) DAUENHAUER, Ciara SAMUEL, Newton T. QIU, Yongxing GOVAN, Richard CHIANG, Chung-Yuan	B29D 35/12 C08J 9/12 B29C 44/42 A43B 1/00 A43B 13/18 C08J 11/10 C08J 11/16 B29C 44/34	E04C 3/02 E04C 3/38 E04C 3/46 E04G 21/18 B29L 31/10
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B23K 26/36	(2) 18.05.2020	(73) Mason, Colin Eric
B60C 19/00	(54) BIODEGRADABLE, INDUSTRIALLY COMPOSTABLE, AND RECYCLABLE INJECTION MOLDED MICROCELLULAR FLEXIBLE FOAMS	(72) Mason, Colin Eric
B60C 23/04	(73) O2 Partners, LLC	(51) B31D 1/02
G01L 17/00	(72) Falken, Robert	(11) EP3919264
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(22) 03.09.2018	21.05.2019	(54) DEVICE FOR POSITIONING DIE-CUTTING ROLLERS IN ROTARY CUTTING MACHINES
(54) RUBBER MEMBER ATTACHMENT METHOD AND TIRE WITH SENSOR	(33) United States of America	(73) Tecnocut, S.L.
(73) Bridgestone Corporation	United States of America	(72) ESTRADA TARRAGO, Franc
(72) NISHIDA Mitsuhiro	United States of America	(51) B31D 5/00
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(22) 31.05.2018	(54) METHOD FOR MANUFACTURING A COMPOSITE MATERIAL STRUCTURE USING A COCURING PROCESS	(54) CTE-MATCHED HYBRID TUBE LAMINATE DOUBLER
(54) WRAPPING DEVICE AND METHOD FOR WRAPPING A TIRE BEAD WIRE	(73) Airbus Operations, S.L.U.	(73) Eagle Technology, LLC
(73) Shandong Daye Co., Ltd.	(72) GALIANA BLANCO, Jorge Juan NOGUEROLLES VIÑES, Pedro CHAMORRO ALONSO, Francisco Javier GARCÍA GARCÍA, Aquilino	(72) Peterson, Ian D.
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(73) Transversality	(72) POGLIANO, Vincenzo	RAWAL, Heta S.
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(72) MAYER, Dirk	SYNCHRONIZED EMBOSSED FLOOR	(73) Nox Corporation
SALLOUM, Rogério	MATERIAL	(72) Kim, Woo Jin
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Ming, Huang	B32B 27/30	(72) MANGOYAN, Raffi O.
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AUER, Wolfgang	AND METHOD OF PARAMETRIZING A	B62D 1/184
SCHÖNEMANN, Thimo	WHEEL LUBRICATION CONTROLLING	B62D 1/183
WOLF, Andreas	DEVICE	(11) EP3971055
(31) 201707571	(73) ALSTOM Transport Technologies	(21) EP21196686.6
(32) 11.05.2017	(72) FRIEDRICH, Markus	(47) 05.07.2023
(33) United Kingdom	HESSE, Gernot	(22) 14.09.2021
(51) B61F 5/32	JURDECZKA, Uwe	(54) STEERING COLUMN WITH
B61F 5/38	(51) B61L 25/08	MOTORISED DEPTH ADJUSTMENT
F16F 3/10	B61L 19/06	COMPRIHING A SYSTEM FOR
(11) EP3647151	B61L 21/04	ADJUSTING THE FRICTION BETWEEN
(21) EP19206680.1	B61L 23/06	TWO TUBES SLIDING INTO ONE
(47) 05.07.2023	(11) EP2774826	ANOTHER
(22) 31.10.2019	(21) EP14157731.2	(73) Robert Bosch Automotive Steering
(54) WHEEL AXLE GUIDING ASSEMBLY	(47) 05.07.2023	Vendôme
WITH LOAD DEPENDENT	(22) 04.03.2014	(72) Capela, David
PRESSURISING MEANS	(54) Train traffic control with train simulation	Canon, Raphael
(73) Bombardier Transportation GmbH	for taking track section out of service	(31) 2009381
(72) STOESSEL, Lucien	(73) volkerWessels Intellectuele Eigendom	(32) 16.09.2020
(31) 201818011	B.V.	(33) France
(32) 05.11.2018	(72) van Wijhe, Beerd	(51) B62D 5/00
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(73) thyssenkrupp AG thyssenkrupp Presta AG	(87) EP2019075416 26.03.2020	(73) CARDINAL CYCLING GROUP (72) DE LA CORTE, Tony
(72) KURZ, Hannes MUNDING, Christoph	(22) 20.09.2019 (54) COMPACT THREE-WHEELED MOTOR VEHICLE	(31) 1771397 (32) 20.12.2017 (33) France
(31) 102018205056 (32) 04.04.2018 (33) Germany	(73) Share your BICAR AG (72) BERGER, Salome Johanna DENNIG, Hans-Jörg BURRI MICHEL, Adrian JACOMET, Cyrill	(51) B62K 25/28 B62K 11/04 B62M 7/04 B62M 23/02 B62J 43/16 B60K 1/00 B60L 50/64 B60K 1/04 B60K 5/00
(51) B62D 5/07 E02F 9/22 (11) EP3656649 (21) EP19774460.0 (47) 05.07.2023 (87) JP2019008630 03.10.2019	(22) 05.03.2019 (54) WHEEL LOADER (73) Hitachi Construction Machinery Co., Ltd. (72) TANAKA Shinichiro KODERA Hiroyasu	(11) EP3936423 (21) EP21183928.7 (47) 05.07.2023 (22) 06.07.2021 (54) STRADDLED VEHICLE (73) Kawasaki Motors, Ltd. (72) Takeuchi, Hiroshi (31) 2020119146 (32) 10.07.2020 (33) Japan
(31) 2018062921 (32) 28.03.2018 (33) Japan	(21) EP19175748.3 (47) 05.07.2023 (22) 21.05.2019 (54) A BICYCLE PANNIER MOUNTING ARRANGEMENT	(51) B62L 3/02 B60T 7/10 B62K 23/06 (11) EP3687888 (21) EP18785774.3 (47) 05.07.2023 (87) IB2018057432 04.04.2019 (22) 26.09.2018 (54) ACTUATOR DEVICE FOR A HYDRAULIC ACTUATION SYSTEM OF A BRAKE/CLUTCH OF A MOTORCYCLE, WITH SEPARATE ADJUSTMENT OF THE DISTANCE AND PITCH OF THE ACTUATION LEVER
(51) B62D 11/22 B62D 55/253 B62D 55/07 B62D 55/24 B62M 27/02 B65G 15/02 B65G 15/46	(73) Thule Sweden AB (72) ARDMAR, David ADLER, Jan	(32) 10.07.2020 (33) Japan
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(22) 24.11.2017 (54) A TRACK BELT AND A TRACK ASSEMBLY	(73) Finncat OY (72) POHJOLA, Matti POHJOLA, Olli POHJOLA, Kalle	(73) BREMBO S.p.A. (72) COLOMBO, Marcello LAVEZZI, Roberto
(31) 20165901 (32) 25.11.2016 (33) Finland	(11) EP3889017 (21) EP19889285.3 (47) 05.07.2023 (87) JP2019046607 04.06.2020	(31) 201700107310 (32) 26.09.2017 (33) Italy
(51) B62D 25/02 B62D 25/20 B62D 29/00	(22) 28.11.2019 (54) SADDLE TYPE VEHICLE (73) HONDA MOTOR CO., LTD. (72) KATSUTA, Jumpei YOKOTANI, Hitoshi MORIYAMA, Yuichi	(51) B63B 19/00 E05B 65/00 E05B 63/00 (11) EP3976458 (21) EP19742462.5 (47) 05.07.2023 (87) IB2019054439 03.12.2020 (22) 29.05.2019 (54) UNLOCKING DEVICE OF A HATCH OR SHUTTER OR DOOR FOR CLOSING AND SEALING OPENINGS ON MARINE VESSELS OR SHIPS
(11) EP3805076 (21) EP18919608.2 (47) 05.07.2023 (87) JP2018020019 28.11.2019	(31) 2018226044 (32) 30.11.2018 (33) Japan	(73) Fincantieri S.p.A. (72) BERGAMINO, Paolo PRATO, Paolo
(22) 24.05.2018 (54) BODY SIDE PANEL	(51) B62K 21/02 B62K 19/16 B62K 19/30 B62K 25/02 F16F 7/104	(51) B63B 21/50 (11) EP3760529 (21) EP18721831.8 (47) 05.07.2023
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(54) MOORING LINE TENSIONER OF A FLOATING STRUCTURE	(31) 201762508139 P 201662342284 P	(51) B64C 3/28 B64D 45/00
(73) Vicinay Mooring Connectors, S.A.	(32) 18.05.2017	(11) EP3976466
(72) ABRISKETA LOZANO, Nagore	(32) 27.05.2016	(21) EP20730995.6
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B63H 25/00	United States of America	(87) EP2020064599
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(21) EP20200664.9	(47) 05.07.2023	AIRCRAFT
(47) 05.07.2023	(22) 02.06.2020	(73) Airbus Operations GmbH
(22) 08.10.2020	(54) CONTROL DEVICE FOR	(72) FEES, Martin
(54) METHOD FOR CONTROLLING	CONTROLLING A KITE STEERING	BENSMANN, Stefan
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MARINE VESSEL, CONTROL SYSTEM	(73) Oceanergy AG	(32) 28.05.2019
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CONTROL TABS TO BE MOUNTED	(31) 201907883	(51) B64C 11/14
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(51) B63G 8/22	(47) 05.07.2023	SYSTEM FOR DEICING THE FRONT
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(47) 05.07.2023	(54) AN ELECTRICAL STEERING SYSTEM	RUSSMANN, Jacques
(87) EP2018083006	IN A MARINE VESSEL AND A METHOD	BLAN, Jean-Marc
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(22) 29.11.2018	STEERING SYSTEM	(32) 13.05.2019
(54) METHOD FOR CONTROLLING THE	(73) AB Volvo Penta	(33) France
BUOYANCY OF A SUBMARINE	(72) ARVIDSSON, Lennart	(51) B64C 11/30
VEHICLE	(51) B64C 3/18	B64D 27/24
(73) THALES	B64C 3/26	B64D 27/02
(72) ROUVIER, Eric	B64C 1/26	G01C 23/00
BOREL, Christophe	(11) EP3446963	B64C 11/06
BOUYER, Cyril	(21) EP18184091.9	(11) EP3621874
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(33) France	(54) CO-CURED SPAR AND STRINGER	(87) US2018031761
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(11) EP3458355	(32) 23.08.2017	ELECTRIC AIRCRAFT
(21) EP16902279.5	(33) United States of America	(73) Embry-Riddle Aeronautical University,
(47) 05.07.2023	(51) B64C 3/18	Inc.
(87) FI2016050326	B64C 27/473	(72) GARTENBERG, Lenny
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F01D 5/14	SPARS FOR BLADE TWIST	(11) EP3889038
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RYAN, Jason	B64C 27/00	(22) 13.02.2019
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PIEDMONTE, Michael	(22) 20.11.2020	PERERA, Bethmage Kalpa Nadeeshan
KUNZI, Fabrice	(54) A STIFFENER SKELETON FOR A	WIJEWICKRAMA, Piumal Shayanga
TORGERSON, Joshua	FIREWALL ARRANGEMENT OF A	SMITH, Patrick James
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(51) B64C 13/30	B64C 27/473	MANAGEMENT SYSTEM FOR
F16H 19/06	(11) EP3925875	AUXILIARY POWER UNIT
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(72) Kirkbride, David W.	(73) Airbus Helicopters	United States of America
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(33) United States of America	MALBURET, François	B64C 7/00
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(72) McCormick, Patrick Joseph	B64U 30/20	(32) 18.07.2018
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(72) EVULET, Andrei	(33) United States of America	

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F02K 1/06	INTEGRATION	B65G 47/88
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PROPULSION SYSTEM	B64U 70/30	APPARATUS USING MAGNETIC
(73) Gulfstream Aerospace Corporation	B64C 39/02	CONVEYOR
(72) FREUND, Donald	B64F 1/02	(73) J-ENG Co., Ltd
MUZYCHKA, Derek	(11) EP3564124	(72) JEONG, Weon Tae
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(73) Cobham Mission Systems Davenport	United States of America	(72) BUCH-JAKOBSEN, Maria Nouvel
LSS Inc.	(51) B65B 11/20	(31) PA201600589
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H02J 7/00	(54) MACHINE AND METHOD FOR	(54) CARDBOARD LID, CARDBOARD
B64C 39/02	PACKAGING ROLLS AND THE LIKE	BLANK, METHOD FOR
(11) EP3969372	(73) Körber Tissue S.p.A.	MANUFACTURING A CONSUMER
(21) EP20726790.7	(72) DEGLI ESPOSTI, Andrea	PRODUCT
(47) 05.07.2023	SCANNAVINI, Daniele	(73) The Procter & Gamble Company
(87) EP2020063680	PAGANINI, Livio	(72) NG PAK LEUNG, Clara Sophie
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(22) 15.05.2020	(32) 18.07.2019	HOEFTE, Paulus Antonius Augustinus
(54) LANDING PLATFORM FOR	(33) Italy	(51) B65D 8/00
UNMANNED AERIAL VEHICLES	(51) B65B 25/18	B32B 15/09
(73) Fuvex Civil, SL	B65B 43/28	B65D 1/00
(72) VILLADANGOS ALONSO, Jesús	B26D 1/11	(11) EP3805122
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(51) B64U 20/40	(54) BREAD SLICER WITH A PACKAGING	(54) RESIN-COATED STEEL CAN AND
B64C 39/02	SYSTEM	METHOD FOR MANUFACTURING
B64C 39/08	(73) JAC S.A.	SAME

<p>(73) Toyo Seikan Co., Ltd.                  (72) AIHARA, Mitsuhide                  YANADA, Kenji                  (31) 2018105402                  (32) 31.05.2018                  (33) Japan</p> <hr/> <p>(51) B65D 19/18                  B65D 77/06                  (11) EP3831734                  (21) EP20210011.1                  (47) 05.07.2023                  (22) 26.11.2020                  (54) SLEEVE AND TRANSPORT                  CONTAINER WITH A SLEEVE                  (73) TWIN-TEC Packaging GmbH                  (72) HARTL, Andreas                  (31) 102019132975                  (32) 04.12.2019                  (33) Germany</p> <hr/> <p>(51) B65D 21/02                  B25H 3/02                  (11) EP3945039                  (21) EP20194860.1                  (47) 05.07.2023                  (22) 07.09.2020                  (54) STACKABLE STORAGE SYSTEM WITH                  PRESSURE SENSITIVE LOCK                  (73) Meridian International Co. Ltd.                  (72) Cai, Shujun                  (31) 202010746598                  202017010975                  (32) 29.07.2020                  03.09.2020                  (33) China                  United States of America</p> <hr/> <p>(51) B65D 25/08                  B65D 39/08                  (11) EP2643228                  (21) EP11784722.8                  (47) 05.07.2023                  (87) EP2011070697                  31.05.2012                  (22) 22.11.2011                  (54) BEVERAGE CONTAINER AND                  STOPPER FOR SUCH CONTAINER                  (73) Sisniega Barroso, Oscar                  Sisniega Balaguer, Sinforiano                  (72) Sisniega Barroso, Oscar                  Sisniega Balaguer, Sinforiano                  (31) 10382311                  (32) 23.11.2010                  (33) European Patent Office (EPO)</p> <hr/> <p>(51) B65D 25/14                  B05B 3/10                  B05B 12/32                  B05B 13/06                  B05D 1/02                  B05D 5/08                  B05D 7/22                  B65D 25/32                  B44D 3/12                  B05D 7/24                  (11) EP3858754                  (21) EP20215232.8                  (47) 05.07.2023                  (22) 17.12.2020</p>	<p>(54) METHOD AND PACKAGE FOR                  REDUCING ADHESIONS WITHIN                  FILLED CONTAINERS                  (73) Schulz Farben- und Lackfabrik GmbH                  (72) Orben, Rainer                  Ziniel, Jens                  (31) 102020102029                  (32) 28.01.2020                  (33) Germany</p> <hr/> <p>(51) B65D 30/20                  B65D 33/10                  B65D 33/12                  (11) EP3507202                  (21) EP17765538.8                  (47) 05.07.2023                  (87) US2017049678                  08.03.2018                  (22) 31.08.2017                  (54) METHOD FOR MAKING A SLIT-SCORE                  SECURITY PAPER SHOPPING BAG                  (73) Duro Hilex Poly, LLC                  (72) VEDER, John T.                  (31) 201615253726                  (32) 31.08.2016                  (33) United States of America</p> <hr/> <p>(51) B65D 41/18                  B65D 51/24                  B65D 41/62                  B65D 51/02                  B65D 51/14                  B65D 51/18                  B65D 43/02                  (11) EP3715278                  (21) EP18882082.3                  (47) 05.07.2023                  (87) KR2018014190                  31.05.2019                  (22) 19.11.2018                  (54) CONTAINER COVER                  (73) Amorepacific Corporation                  (72) KOO, Ja Hyoung                  (31) 20170155549                  (32) 21.11.2017                  (33) Korea (Republic)</p> <hr/> <p>(51) B65D 41/34                  B65D 55/16                  (11) EP3892567                  (21) EP21164524.7                  (47) 05.07.2023                  (22) 24.03.2021                  (54) COMBINATION OF A CAP FOR A                  CONTAINER AND A NECK OF THE                  CONTAINER                  (73) SACMI COOPERATIVA MECCANICI                  IMOLA SOCIETA' COOPERATIVA                  (72) BASSI, Vittorio                  FALZONI, Alessandro                  (31) 202000006496                  (32) 27.03.2020                  (33) Italy</p> <hr/> <p>(51) B65D 41/34                  B65D 55/16                  (11) EP4095061                  (21) EP21382473.3                  (47) 05.07.2023                  (22) 24.05.2021                  (54) CLOSURE DEVICE FOR A NECK OF A                  CONTAINER</p>	<p>(73) Betapack, S.A.U.                  (72) BERROA GARCÍA, Francisco, Javier</p> <hr/> <p>(51) B65D 47/18                  (11) EP3554958                  (21) EP17826569.0                  (47) 05.07.2023                  (87) IB2017057948                  21.06.2018                  (22) 14.12.2017                  (54) DISPENSER OF OPHTHALMIC                  SOLUTIONS APPLICABLE TO SINGLE-                  DOSE CONTAINERS                  (73) Oftalab Srl                  (72) BARABINO, Stefano                  BISIO, Luigi                  (31) 201600126907                  (32) 15.12.2016                  (33) Italy</p> <hr/> <p>(51) B65D 51/20                  (11) EP3578479                  (21) EP19180632.2                  (47) 05.07.2023                  (22) 20.04.2015                  (54) SEALING FOIL WITH TEAR LINE                  (73) N.V. Nutricia                  (72) Jobse, Pieter Samuel</p> <hr/> <p>(51) B65D 55/02                  B65D 41/00                  B65D 41/04                  B65D 51/16                  (11) EP3661856                  (21) EP17752616.7                  (47) 05.07.2023                  (87) CA2017050619                  24.08.2017                  (22) 23.05.2017                  (54) CLOSURE                  (73) Husky Injection Molding Systems Ltd.                  (72) GOTTSCHALD, Patrick                  SCHERER, Stephan                  (31) 2017080003                  (32) 13.04.2017                  (33) Japan</p> <hr/> <p>(51) B65D 55/16                  (11) EP3962830                  (21) EP20720849.7                  (47) 05.07.2023                  (87) EP2020061896                  05.11.2020                  (22) 29.04.2020                  (54) A CLOSURE ASSEMBLY COMPRISING                  A CAP WITH INTEGRATED TAMPER-                  EVIDENT RING AND STRAP                  (73) Scholle IPN IP B.V.                  (72) VAN SPRONSEN, Frederik Adriaan                  FIERE, Jeroen Pieter                  GROENENDAAL, Nicolaas Adrianus                  Petrus                  SHAH, Dhandutt                  (31) 2024518                  2023525                  2023034                  (32) 19.12.2019                  18.07.2019                  30.04.2019                  (33) Netherlands                  Netherlands</p>
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B65D 41/34	(73) Ardagh Metal Beverage Holdings	03.01.2019
B29C 33/44	Germany GmbH	(22) 16.05.2018
B29C 43/02	(72) JÖBGES, Udo	(54) PROJECTION INSTRUCTION DEVICE,
B29C 43/36	(31) 102018110764	PARCEL SORTING SYSTEM, AND
B29C 43/50	(32) 04.05.2018	PROJECTION INSTRUCTION METHOD
B29C 45/00	(33) Germany	(73) Panasonic Intellectual Property
B29C 45/33	(51) B65D 88/16	Management Co., Ltd.
B29C 45/44	B65D 88/54	(72) TANASNITIKUL Takrit
(11) EP4059865	B65B 1/28	LASANG Pongsak
(21) EP22160741.9	(11) EP3956243	OHTSUBO Shohji
(47) 05.07.2023	(21) EP20717720.5	MORIYAMA Takaaki
(22) 08.03.2022	(47) 05.07.2023	IDERA Takaaki
(54) CAP FOR A CONTAINER	(87) IB2020053315	(31) 2017129575
(73) SACMI COOPERATIVA MECCANICI	22.10.2020	(32) 30.06.2017
IMOLA SOCIETA' COOPERATIVA	(22) 07.04.2020	(33) Japan
(72) ZUFFA, Zeno	(54) BAG FOR THE STORAGE AND	(51) B65G 17/00
(31) 202100006557	TRANSPORT OF A PULVERULENT	B65G 35/06
(32) 18.03.2021	PRODUCT AND METHOD OF FILLING	B65G 19/02
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(72) COPAL, Mark	(22) 28.03.2018	A61F 13/15
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B65D 1/24	FOR LOCKING A WHEEL TRACK TO	(11) EP3802379
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(54) CARRIER FOR CONTAINERS	(51) B65G 1/137	(22) 11.04.2019
(73) Graphic Packaging International, LLC	G03B 21/14	(54) CAROUSEL FOR TRANSPORTATION
(72) Boersma, Harmen	G06K 7/10	OF ARTICLES
(31) 201762534951 P	B07C 7/00	(73) M.D. Viola Macchine S.r.l.
(32) 20.07.2017	B07C 3/00	(72) VIOLA, Davide
(33) United States of America	(11) EP3647233	VIOLA, Marco
(51) B65D 81/32	(21) EP18822804.3	VIOLA, Andrea
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(87) US2017045692	(54) PARCEL DETERMINATION DEVICE,	B65G 47/96
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(22) 07.08.2017	PARCEL DETERMINATION METHOD	(11) EP3676205
(54) DUAL CHAMBER REAGENT MIXING	(73) Panasonic Intellectual Property	(21) EP18755453.0
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(73) Instrumentation Laboratory Company	(72) MORIYAMA Takaaki	(87) EP2018072007
(72) ZENG, Hansong	OHTSUBO Shohji	07.03.2019
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(32) 11.08.2016	(32) 30.06.2017	TRANSFERRING TRANSPORTED
(33) United States of America	(33) Japan	MATERIALS BETWEEN TWO
(51) B65D 85/73	(51) B65G 1/137	CONVEYOR DEVICES, AND
(11) EP3787986	G03B 21/14	CONVEYOR SYSTEM
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(22) 03.03.2017	(22) 28.02.2014	(73) Vits Technology GmbH
(54) GRIPPING MEANS FOR PALLETS	(54) Medium pick-up apparatus	(72) ERKELENZ, Willi
(73) Sidel Participations	(73) ATEC AP Co., Ltd.	(31) 102015106747
(72) MAUDET, Didier	(72) You, Jin Oh	(32) 30.04.2015
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B27M 1/08	B65H 18/28	B65H 23/188
B65G 43/02	D21F 7/06	B65H 23/195
B25B 11/00	D21G 9/00	G03F 7/20
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(87) EP2018062861	(54) METHOD OF CONTROLLING CALIPER	B23K 26/70
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(54) HANDLING DEVICE FOR HANDLING	PRODUCING FIBER WEBS	(47) 05.07.2023
ARTICLES THAT ARE FLAT AT LEAST	(73) Valmet Technologies Oy	(87) DE2020100880
IN SOME SECTIONS AND METHOD	(72) HAAPANEN, Jaakko	22.04.2021
FOR OPERATING SUCH A HANDLING	(31) 20196003	(22) 12.10.2020
DEVICE	(32) 22.11.2019	(54) DEVICE FOR INTRODUCING A
(73) HOMAG Plattenaufteiltechnik GmbH	(33) Finland	PATTERN BY RADIATION ON A
(72) GALAMBOS, Christian	(51) B65H 19/18	WOUND ENDLESS SUBSTRATE
ERBELE, Matthias	B65H 21/00	(73) Laser Imaging Systems GmbH
KRETEK, David	(11) EP4048616	(72) RÜCKER, Steffen
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(21) EP18171939.4	(54) JOINING APPARATUS FOR	PAGEL, René
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(22) 11.05.2018	LABELS AND A JOINING PROCESS	(32) 18.10.2019
(54) BOTTOM SEAL ASSEMBLY FOR DOCK	FOR SUPPORTING STRIPS OF	(33) Germany
RAMP	ADHESIVE LABELS	(51) B65H 45/16
(73) Esidock Limited	(73) MAKRO LABELLING S.r.l.	B65H 20/12
(72) WHELAN, Francis	(72) BELLINI, Marco	B65H 27/00
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(54) LEVELING FOR A MEDIA	(54) WINDING MACHINE FOR WEB	SOSALLA, Gerald, Keith
POSITIONING ARRANGEMENT OF A	MATERIALS AND METHOD FOR	SCHOULTZ, Adam, Nicholas
TOP FEEDER OF A PRINTER	OPERATING SUCH A WINDING	SINA, Joseph, John
(73) HP Scitex Ltd.	MACHINE	SAMPLE, Charles, Robert
(72) ELIMELECH, Osher	(73) Gema Switzerland GmbH	(31) 201313905802
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(11) EP3992128	ARMAND SCOVILLE, Bradley	(31) 202000025798
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(73) Innovo Engineering and Construction LTD	(22) 08.05.2020	B66B 7/12
(72) MALAGODI, Stefano	(54) BALUSTRADO PROFILE WITH HANDRAIL GUIDE AND BALUSTRADO AND PERSON CONVEYING DEVICE WITH SUCH BALUSTRADO PROFILE	D07B 1/14
TIBERIO, Andrea	(73) TK Elevator Innovation and Operations GmbH	D07B 1/02
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(32) 03.11.2020	Brand, Gerrit	G01N 21/952
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(54) ELEVATOR CAR ASSIGNMENT BASED ON A DETECTED NUMBER OF WAITING PASSENGERS	(21) EP20785578.4	(73) Teufelberger Fiber Rope GmbH
(73) Otis Elevator Company	(47) 05.07.2023	(72) ERNST, Björn
(72) SUDI, Sandeep	(87) GB2020052327	KIRTH, Rudolf
COSTABILE, Robert	01.04.2021	TRAXL, Robert
(31) 201916387668	(22) 24.09.2020	BALDINGER, Peter
(32) 18.04.2019	(54) SYSTEM AND METHOD FOR CONTROLLING THE LIFTING AND HANDLING OF A LOAD	RÜHRNÖSSL, Erich
(33) United States of America	(73) Helmerich & Payne Technologies UK Limited	KAISER, Gunter
(51) B66B 1/34	(31) 102015013604	(31) 102015013604
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(54) DETERMINING ELEVATOR CAR LOCATION USING RADIO FREQUENCY IDENTIFICATION	(33) United Kingdom	(11) EP3974371
(73) Otis Elevator Company	(51) B66C 1/10	(21) EP21197307.8
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SUDI, Sandeep	B66C 13/08	(22) 17.09.2021
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(54) CONVEYING SYSTEM OF AN ESCALATOR	(72) MOELLER, Jesper	(51) B66C 23/36
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PART, IN PARTICULAR A MAIN JIB OF A VEHICLE CRANE	(31) 102019118091 (32) 04.07.2019 (33) Germany	(22) 18.08.2021 (54) METHOD FOR TRANSFERRING A THIN LAYER ONTO A RECEIVER SUBSTRATE COMPRISING CAVITIES AND A REGION FREE FROM CAVITIES
(73) Tadano Demag GmbH	(51) B67C 3/22	(73) Commissariat à l'énergie atomique et aux énergies alternatives
(72) KÖNIGSTEIN, Klaus ROTH, Matthias MEISSNER, Klaus	B67C 3/00 (11) EP3833629 (21) EP19722124.5 (47) 05.07.2023	(72) BERRE, Guillaume SALVETAT, Thierry
(31) 102018119315 (32) 08.08.2018 (33) Germany	(87) EP2019061573 13.02.2020 (22) 06.05.2019	(31) 2008660 (32) 25.08.2020 (33) France
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B60R 19/52	(87) FR2019051189	(54) POLYACETAL RESIN COMPOSITION,
B60R 1/06	28.11.2019	MOLDED ARTICLE, AND METHOD FOR
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(21) EP20790294.1	(54) ASSOCIATIVE AND EXCHANGEABLE	COMPOSITION
(47) 05.07.2023	OLIGOMERS, COMPOSITION	(73) Mitsubishi Engineering-Plastics
(87) EP2020078778	COMPRISING THEM	Corporation
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(22) 13.10.2020	(72) DESCROIX, Gregory	FUJIMOTO Kunihiko
(54) WEATHERING-RESISTANT	BRIAND, Fanny	(31) 2017117461
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(73) INEOS Styrolution Group GmbH	C09D 4/00	B65D 65/02
(72) RUTHARD, Christian	C09D 11/01	C08J 5/18
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(73) Denka Company Limited	(73) Sumitomo Metal Mining Co., Ltd.	(73) Siemens Aktiengesellschaft
(72) YOSHIDA, Jun	(72) FUJITA, Kenichi	(72) JENSEN, Jens Dahl
NAKAMURA, Yuya	KOBAYASHI, Hiroshi	DOYE, Christian
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(32) 11.10.2017	(32) 28.01.2016	SCHNEIDER, Manuela
(33) Japan	(33) Japan	(31) 18167217
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(73) SHPP Global Technologies B.V.	C08K 3/22	(73) PRC-Desoto International, Inc.
(72) BRUSS, Erhard	C08K 5/5313	(72) BUNTEN, Tommy G.
MARTINEZ CANOVAS, Maria Dolores	C08K 5/523	FURAR, Elizabeth A.
VAN DER MEE, Mark Adrianus Johannes	C08K 5/3475	MORRIS, Eric L.
VAN DE GRAMPEL, Robert Dirk	(11) EP3423528	MAYO, Michael A.
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C08K 5/42	(73) SHPP Global Technologies B.V.	(11) EP3568444
C08L 83/04	(72) PENG, Hui	(21) EP18700806.5
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(73) Mitsubishi Gas Chemical Company, Inc.	(47) 05.07.2023	JAMES, David Mathew
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(47) 05.07.2023	C23C 16/40	(73) Sakata INX Corporation
(87) JP2016081880	C23C 16/44	
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(72) HAGA Hisato MURASE Tetsuji SHIBUSAWA Sho HORIE Tomoaki	(31) 102020205795 (32) 07.05.2020 (33) Germany	(31) 2015095635 (32) 08.05.2015 (33) Japan
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(54) ANTIFOULING COATING COMPOSITION, ANTIFOULING COATING FILM, ANTIFOULING SUBSTRATE, ROSIN COMPOUND FOR ANTIFOULING COATING COMPOSITION AND METHOD FOR PRODUCING ANTIFOULING COATING COMPOSITION	(73) Chugoku Marine Paints, Ltd. (72) NIIMOTO, Jyunji HARADA, Shotaro IWATA, Yuki	
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(51) C09K 11/06 C07C 13/62 C07C 211/61 C07C 217/92 C07C 217/94 C07C 255/58 C07D 213/74 C07D 307/91 H10K 99/00 (11) EP3790068 (21) EP20193841.2 (47) 05.07.2023 (22) 01.09.2020 (54) ORGANIC COMPOUND, ORGANIC LIGHT EMITTING DIODE AND ORGANIC LIGHT EMITTING DEVICE INCLUDING THE ORGANIC COMPOUND (73) LG Display Co., Ltd. (72) SHIN, In-Ae YOON, Dae-Wi BAE, Suk-Young YOO, Mi-Sang YOON, Kyung-Jin (31) 20190110896 (32) 06.09.2019 (33) Korea (Republic)	(51) C10B 53/07 C10G 7/06 C10G 53/14 (11) EP3526309 (21) EP17874585.7 (47) 05.07.2023 (87) US2017062456 31.05.2018 (22) 20.11.2017 (54) METHODS OF SEPARATION OF PYROLYSIS OILS (73) RJ Lee Group, Inc. (72) LEVINE, Alan M. WISTROM, Skyler L. WISTROM, Jonathan L. BEAVER, Earl R. LEE, Richard J. (31) 201615358201 (32) 22.11.2016 (33) United States of America	(51) C10M 133/16 C10N 20/00 C10N 30/02 C10N 40/25 C10N 30/06 C10N 30/12 (11) EP3969550 (21) EP20808966.4 (47) 05.07.2023 (87) US2020026350 26.11.2020 (22) 02.04.2020 (54) LESS CORROSIVE ORGANIC COMPOUNDS AS LUBRICANT ADDITIVES (73) Vanderbilt Chemicals, LLC (72) CASEY, Brian, M. GATTO, Vincent J. (31) 201916415535 (32) 17.05.2019 (33) United States of America
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(72) KIM SooHyeon	(21) EP14822275.5	A61K 35/17
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MICROBIAL PRODUCTION OF	DISEASE	COMPRESSIBLE LINERS IN A SYSTEM
TERPENOID PRODUCTS		

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(73) Exothera SA	United States of America	(72) SUN, Miao
(72) ALBANO, Tiago	United States of America	NAGARAJAN, Niranjan
CASTILLO, José	United States of America	AW, Jong Ghut Ashley
MEDVEDEV, Vasily	(51) C12Q 1/68	WILM, Andreas
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MCDERMOTT, Geoffrey	NUCLEIC ACIDS ASSOCIATED WITH	United States of America
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30.06.2017	16.11.2017	STRENGTH STEEL SHEET HAVING
26.05.2017	(22) 12.05.2017	HIGH DUCTILITY, FORMABILITY AND
(33) United States of America	(54) RIBONUCLEIC ACID (RNA)	WELDABILITY, AND OBTAINED STEEL
United States of America	INTERACTIONS	SHEET
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(32) 31.07.2018	CELL STACK, COMPONENT OF A	COMPONENT
(33) Japan	FUEL CELL STACK AND APPARATUS	(73) Dr.Ing. Max Schlötter GmbH & Co. KG
(51) C23C 2/12	FOR COATING ONE OR MORE	(72) Franz, Wolf-Dieter
C23C 2/02	COMPONENTS OF A FUEL CELL	(51) C25B 1/01
C23C 2/14	STACK	C25B 3/25
C22C 21/10	(73) IHI Hauzer Techno Coating B.V.	C25B 9/17
C23C 2/18	(72) JACOBS, Ruud	C25B 11/04
C23C 28/02	BOSCH, Roel	B01D 53/32
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AND RESISTANCE TO LIQUID METAL	C23C 14/35	(54) PROCESS TO CONVERT A SULPHUR
EMBRITTLMENT	C23C 14/56	COMPOUND
(73) POSCO Co., Ltd	C23C 28/00	(73) Paqell B.V.
(72) LEE, Suk-Kyu	(11) EP3289114	(72) KLOK, Johannes Bernardus Maria
KIM, Myung-Soo	(21) EP16728068.4	WIJNBELT, Johannes
PARK, Il-Jeong	(47) 05.07.2023	TER HEIJNE, Annemiek
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(33) Korea (Republic)	(22) 29.04.2016	(31) 18175559
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F01D 5/28	COOKE, Kevin	C25B 1/04
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(73) The Boeing Company	C23C 14/54	22.08.2019
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Ghabchi, Arash	(21) EP14902022.4	OF CARBON MONOXIDE AND/OR
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(32) 16.11.2012	(87) JP2014074599	(73) Linde GmbH
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C23C 14/32	METHOD THEREOF	HANEBUTH, Marc
C23C 14/34	(73) Nippon Piston Ring Co., Ltd.	SCHMID, Günter
C23C 14/35	(72) MORIGUCHI, Hideki	TAROATA, Dan
C23C 14/56	ITO, Yoshihiro	(31) 102018202344
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MAST ELEMENT	(33) Germany	HEYBROEK, Kim
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(22) 13.03.2019	OKADA, Junichi	OF A TAP
(54) CARGO HANDLING WORK VEHICLE	HIRANUMA, Kazunori	(73) Taplok Limited
(73) Hitachi Construction Machinery Co., Ltd.	SANO, Yusuke	(72) EMMETT, Robert
(72) NAKAO Fumihito	TSUKANE, Koichiro	(31) 201707406
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HYODO Koji	2017121778	(51) E03C 1/04
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(87) CA2015000044	Japan	(73) Grohe AG
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(22) 23.01.2015	Japan	Langer, Heiko
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CONTROLLER	E02F 9/24	(32) 24.01.2020
(73) Epiroc Rock Drills Aktiebolag	B60R 25/00	(33) Germany
(72) DOBSON, Andrew	E02F 9/20	(51) E03C 1/05
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(21) EP20740707.3	Ltd.	(72) Zoccolillo, Giuseppe
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ARRANGED IN OR ON A TOILET BOWL	(33) Taiwan, Chinese Taipei	(21) EP20702435.7
(73) Henkel AG & Co. KGaA	(51) E04B 1/68	(47) 05.07.2023
(72) MÜLLER, Alexander	E04C 5/16	(87) EP2020051835
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WAWER, Georg	(22) 12.12.2019	MULTISTORY BUILDING, AND USE OF
GÖTZ, Nadine	(54) SHUTTERING AND REINFORCEMENT	A DAMPER IN SUCH A BUILDING
SCHYMITZEK, Tatiana	ARRANGEMENT	(73) Windeler, Ingo
(31) 102016225842	(73) FWR Solutions GmbH	Nörenberg, Ralf
(32) 21.12.2016	(72) FISCHER, Willibald	(72) ARIYARATANA, Chris
(33) Germany	(31) 202018107450 U	SCHRANZ, Stefan
(51) E03F 3/06	(32) 28.12.2018	WUCHERPFENNIG, Jan
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E03F 7/12	(51) E04B 1/76	WUEST, Andreas
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(22) 10.05.2019	PANEL	(51) E04B 9/20
(54) CHANNEL PROCESSING DEVICE	(73) EJOT Baubefestigungen GmbH	E04B 1/58
(73) Zimmer, Werner	(72) Tiemann, Joachim	(11) EP3771780
(72) Zimmer, Werner	(51) E04B 1/84	(21) EP20188428.5
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(11) EP3872272	(22) 20.05.2016	(73) BTICINO S.P.A.
(21) EP21159314.0	(54) ABSORBER UNIT FOR ABSORBING	(72) PIGNI, Roberto
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(22) 25.02.2021	(73) G + H Schallschutz GmbH	(32) 30.07.2019
(54) PREFABRICATED MODULAR	(72) Baumann, Walter	(33) Italy
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ARRANGEMENT	(51) E04B 2/42	B21F 27/02
(73) HT Laser Oy	E04B 2/28	(11) EP3310976
(72) TUOMINEN, Janne	E04B 2/44	(21) EP16728858.8
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(47) 05.07.2023	(54) KIT FOR ASSEMBLING A REMOVABLE	(73) Geobruugg AG
(87) EP2018050527	PARTITION	(72) VON ALLMEN, Hans-Peter
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CONNECTING SYSTEM	(32) 06.04.2018	(51) E04C 5/12
(73) Rotho Blaas GmbH/Srl	(33) France	E04C 5/16
(72) SCHRENTEWEIN, Thomas	(51) E04B 2/50	(11) EP3564457
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(51) E04F 10/06	(73) Etablissements Pierre Grehal et Cie SA	FANG, Jiang
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(73) GIBUS S.p.A.	(21) EP21216862.9	E04H 15/18
(72) ZANOTTO, Vanni	(47) 05.07.2023	E04H 15/30
LION, Alessandro	(22) 22.12.2021	E04H 15/04
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(32) 31.08.2020	(73) Etablissements Pierre Grehal et Cie SA	E04H 15/54
(33) Italy	(72) DELESTRE, Lionel	(11) EP3788218
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(73) Välinge Innovation AB	(11) EP3704331	(73) Wiseman, James, John
(72) QUIST, Karl	(21) EP18783471.8	(72) Wiseman, James, John
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(47) 05.07.2023	(72) BECKMANN, Francesco Rugiano	H04M 1/04
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(33) Germany	E04H 12/34	(72) GULICK, Franklyn, W., Jr.
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(73) Etablissements Pierre Grehal et Cie SA	(33) United States of America	E05B 81/76
(72) DELESTRE, Lionel	(51) E04H 12/24	E05B 81/90
(51) E04F 21/02	H02G 7/20	E05B 85/10
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B44C 7/06	(11) EP3461972	E05B 83/36
B65H 35/00	(21) EP18804217.0	(11) EP3924581
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(51) E05C 3/28 E05C 3/34 E05B 15/02	(51) E05F 1/12 E05F 5/02	(51) E06B 7/20 E06B 3/46 E06B 7/215 E06B 5/20
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(51) E05D 3/02 E05D 5/00 E05D 7/00 E05D 11/06 E05D 11/08	(73) Midea Group Co., Ltd. Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd. (72) MI, Xiaodong ZHU, Shiping YANG, Lin LIN, Minyu	(73) Baugruppenteknik Pollmeier GmbH (72) SCHULZ, HEINRICH (31) 102019135252 (32) 19.12.2019 (33) Germany
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(54) VERTICAL CURTAIN ASSEMBLY MADE FROM MULTIFUNCTIONAL MULTILAYER COMPOSITE SHEET MATERIAL AND MOUNTING METHOD THEREOF	(54) GUIDE SHOE WITH LOCKABLE NOSE	(21) EP19806714.2
(73) Film Technology Industrial Ltd.	(73) Downhole Products Limited	(47) 05.07.2023
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E05F 15/77	(51) E21B 10/43	(72) HELLMAN, Anders
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(72) LEIB III, William S. ROUTLEDGE, Gordon	F21S 41/50 B60Q 1/068	(31) 102018132076
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F24F 3/06	F25B 41/40	(73) Qingdao Haier Joint Stock Co., Ltd
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KAWAGOE, Tomokazu	ISHIBASHI, Akira	F25D 21/02
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C04B 41/50	F28F 13/12	Trypolskyi, Kostiantyn Okrevych
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(72) CHARLOT, Simon	TAMOTO, Nozomu
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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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(73) Rijk Zwaan Zaadteelt en Zaadhandel B.V.	STEVENS, Sean	STEVENS, Sean	(72) DÖRING, Sven-Rainer
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(54) ROLLER MODULAR CONVEYOR BELT	MATERIALS	(73) Evonik Operations GmbH
MODULE AND MODULAR CONVEYOR	(73) PPG Industries Ohio, Inc.	(72) SCHÜTZ, Thorben
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SUCH MODULES	VANIER, Noel R.	TRESKOW, Marcel
(73) Regina Catene Calibrate S.p.A.	(74) dr. W.A.H.M. Van Borm	KRILL, Steffen
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(72) Siefer, Marc	TRANSPORT REFRIGERATION	(74) J.M.H. Duyver lic.
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KRAUS, J., Kevin	(21) EP15162936.7	
(74) dr. R.C. van Duijvenbode c.s.	(22) 09.04.2015	
(31) 2395908 P	(54) BELT AS ENDLESS TRACTION	
2396808 P	MECHANISM FOR CONVEYOR BELTS	
(32) 28.01.2008	OF AGRICULTURAL MACHINES	
28.01.2008	(73) Arnold Jäger Holding GmbH	

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

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(74) ir. F.A. Geurts c.s.

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(54) MANUFACTURE OF PEANUT  
FORMULATIONS FOR ORAL  
DESENSITIZATION

(94) 649

(95) Ontvet poeder van de zaden van Arachis  
hypogaea L. (pinda's)

(93) EU/1/20/1495 21.12.2020

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**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) EP2906301	(11) EP3774561
(51) A61K 8/44	(51) B65D 5/38
A61K 8/46	B65D 5/42
A61Q 17/04	B65D 85/10
A61K 8/86	(00) 38/22
A61K 8/02	21.09.2022
A61Q 5/06	(11) EP3817880
A61K 8/92	(51) B23H 7/08
A61K 8/04	B21C 37/04
(00) 36/22	C23C 28/02
07.09.2022	(00) 35/22
	31.08.2022
(11) EP3228602	(11) EP3829946
(51) C03C 3/097	(51) B60T 13/26
C03C 10/00	B60T 13/68
C03C 4/00	(00) 36/22
C03C 8/24	07.09.2022
C04B 37/00	(11) EP3833703
(00) 35/22	(51) C08G 18/48
31.08.2022	C08G 18/76
(11) EP3236011	C08G 18/40
(51) F01D 5/30	C08G 18/42
(00) 35/22	C08G 101/00
31.08.2022	C08K 5/5313
(11) EP3569336	(00) 37/22
(51) B23B 27/16	14.09.2022
B23B 29/03	(11) EP3846755
B23C 5/00	(51) A61F 13/00
(00) 35/22	(00) 35/22
31.08.2022	31.08.2022
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(51) C10L 1/02	
(00) 35/22	
31.08.2022	
(11) EP3615967	
(51) G02B 6/00	
G02B 26/00	
G02B 26/08	
G02B 26/10	
G02B 27/01	
G06F 3/0346	
G06F 3/01	
(00) 27.06.2023	
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01.03.2023	
(00) Restoration of rights	
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(11) EP3628517	
(51) B60H 1/00	
F25B 41/20	
F25B 5/02	
F25B 47/02	
(00) 35/22	
31.08.2022	
(11) EP3663648	
(51) F23N 5/08	
(00) 35/22	
31.08.2022	

## 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) EP2234617	(11) EP2864131	C22C 38/04
(51) A61K 31/519	(51) B42D 25/41	C22C 38/06
A61P 25/18	B42D 25/425	C22C 38/18
(00) 18/21	B42D 25/43	C22C 38/34
12.05.2021	B42D 25/29	C22C 38/38
(11) EP2345668	B42D 25/328	C23C 2/02
(51) C07K 16/22	B42D 25/355	C23C 2/06
A61K 39/00	B42D 25/00	C23C 2/12
C12N 15/63	G07D 7/00	C23C 2/40
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A61P 19/00	(00) 53/18	C25D 3/56
A61P 19/08	28.12.2018	(11) EP3184083
A61P 19/10	(11) EP2882435	(51) A61F 2/24
A61P 43/00	(51) A61K 9/00	A61F 2/95
(11) EP2612126	A61K 9/48	(11) EP3203164
(51) G01M 3/00	A61K 31/395	(51) F25B 1/10
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G01N 25/20	A61K 31/496	(11) EP3222156
G01N 33/00	A61P 31/04	(51) C12N 1/18
(00) 13/19	A61P 31/06	C12N 1/16
27.03.2019	C07D 491/00	C12N 9/42
(00) 04.07.2023	C07D 498/08	C12N 9/54
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(00) 15/23	(11) EP3078880	A23L 33/17
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(00) 30.06.2023	F16G 3/08	A23L 31/00
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(51) A61K 31/137	(00) 30.06.2023	(11) EP3360513
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(11) EP2750630	(51) B32B 5/18	04.05.2022
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(11) EP2806855	B32B 7/04	C07K 1/10
(51) A61K 9/14	B32B 23/00	C07K 14/605
A61K 31/167	B32B 23/06	(00) 42/22
A61K 31/57	B32B 23/08	19.10.2022
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(51) C07B 61/00	(11) EP3177749	(11) EP3549555
C07C 29/10	(51) B32B 15/01	(51) A61B 17/00
C07C 29/36	C21D 1/18	A61B 17/04
C07C 29/80	C21D 1/19	A61F 2/24
C07C 31/20	C21D 1/26	A61L 27/36
C07C 41/03	C21D 1/34	A61L 27/50
C07C 41/42	C21D 8/02	A61F 2/90
C07C 43/11	C21D 9/46	(00) 16/22
	C22C 38/02	20.04.2022

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(00) 34/21  
25.08.2021  
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G02B 27/01  
G06F 3/0346  
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D04H 1/28  
D04H 1/425  
D04H 1/4258  
D04H 1/46  
D04H 5/03  
A24D 1/02  
(00) 12/23  
22.03.2023  
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**MED****Overige mededelingen.****Contains data concerning other communications.**

(11) 2030715

(00) 28.06.2023

(51) G01V 1/50

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(11) EP1542670

(51) A23L 33/12

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A61K 31/202

A61P 25/02

A61P 25/28

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(51) G01P 3/481

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(51) B65B 69/00

B65B 39/00

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(11) EP3186434

(51) D06F 75/24

D06F 75/16

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(51) G01G 19/03

G01M 1/12

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## VRV

## Verval of nietigverklaring.

## Contains data concerning lapse or annulment.

(11) 1023790	(00) NP lapsed	(00) NP lapsed
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(11) EP2209900	(11) EP2222819	(11) EP2279609
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2211936	(11) EP2222891	(11) EP2295504
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2212802	(11) EP2223441	(11) EP2296680
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2213058	(11) EP2224957	(11) EP2299998
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2214811	(11) EP2227370	(11) EP2301373
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2215264	(11) EP2229046	(11) EP2301586
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2215322	(11) EP2229480	(11) EP2304348
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2309508	(11) EP2351391	(11) EP2362845
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2317063	(11) EP2351474	(11) EP2364110
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2320086	(11) EP2352275	(11) EP2364229
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2320217	(11) EP2352488	(11) EP2364263
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2322814	(11) EP2352728	(11) EP2367534
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2322917	(11) EP2353225	(11) EP2367575
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2325131	(11) EP2353286	(11) EP2367941
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2325406	(11) EP2354709	(11) EP2367942
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2325540	(11) EP2355663	(11) EP2368139
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2327309	(11) EP2355887	(11) EP2368153
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2329925	(11) EP2356288	(11) EP2368357
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2334047	(11) EP2356776	(11) EP2368375
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2338536	(11) EP2356871	(11) EP2368888
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2339188	(11) EP2357021	(11) EP2370570
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2345692	(11) EP2357182	(11) EP2370778
(00) 01.12.2022	(00) 04.07.2023	(00) 01.12.2022
(00) EPV lapsed	(00) Patent Expired	(00) EPV lapsed
(11) EP2345786	(11) EP2359555	(11) EP2373084
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2346266	(11) EP2359591	(11) EP2373384
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2347078	(11) EP2359666	(11) EP2373673
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2349668	(11) EP2361085	(11) EP2373743
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2349829	(11) EP2361223	(11) EP2373963
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2350362	(11) EP2361239	(11) EP2376519
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2350760	(11) EP2361323	(11) EP2376893
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2376955	(11) EP2453340	(11) EP2497624
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2377501	(11) EP2455063	(11) EP2497630
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2378377	(11) EP2455817	(11) EP2498707
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2379827	(11) EP2456627	(11) EP2498783
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2380677	(11) EP2457468	(11) EP2499245
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2382028	(11) EP2458388	(11) EP2499282
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2383574	(11) EP2461523	(11) EP2499349
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2387627	(11) EP2463683	(11) EP2499417
(00) 16.05.2023	(00) 01.12.2022	(00) 01.12.2022
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP2390234	(11) EP2465785	(11) EP2499454
(00) 30.06.2023	(00) 01.12.2022	(00) 01.12.2022
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP2391285	(11) EP2466022	(11) EP2499532
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2403950	(11) EP2472142	(11) EP2499783
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2416343	(11) EP2474673	(11) EP2501315
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2426819	(11) EP2474691	(11) EP2501479
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2444040	(11) EP2481865	(11) EP2501507
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2449740	(11) EP2491370	(11) EP2501673
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2450936	(11) EP2496118	(11) EP2501764
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2452556	(11) EP2496236	(11) EP2501774
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2452665	(11) EP2496272	(11) EP2501804
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2452703	(11) EP2496274	(11) EP2502101
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2453191	(11) EP2496425	(11) EP2502374
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2453201	(11) EP2497226	(11) EP2502959
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2453316	(11) EP2497303	(11) EP2503216
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2503980	(11) EP2512342	(11) EP2597757
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2503992	(11) EP2512542	(11) EP2597843
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2504149	(11) EP2513380	(11) EP2598892
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2504308	(11) EP2516833	(11) EP2599381
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2504309	(11) EP2516971	(11) EP2599505
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2504327	(11) EP2516972	(11) EP2599817
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2504414	(11) EP2517329	(11) EP2600165
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2504435	(11) EP2518607	(11) EP2602958
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2504821	(11) EP2519936	(11) EP2617315
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2504881	(11) EP2530480	(11) EP2621661
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2504941	(11) EP2560697	(11) EP2631251
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2504948	(11) EP2563076	(11) EP2631442
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2505011	(11) EP2565900	(11) EP2633305
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2505048	(11) EP2574356	(11) EP2634071
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2506733	(11) EP2589430	(11) EP2635162
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2506817	(11) EP2589885	(11) EP2635417
(00) 15.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP2508023	(11) EP2592000	(11) EP2635498
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2508052	(11) EP2594731	(11) EP2635692
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2508621	(11) EP2596808	(11) EP2636163
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2509335	(11) EP2596809	(11) EP2636173
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2511419	(11) EP2596811	(11) EP2636641
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2511760	(11) EP2597219	(11) EP2637382
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2637531	(11) EP2642961	(11) EP2655896
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2637758	(11) EP2643226	(11) EP2656472
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2637914	(11) EP2643342	(11) EP2656540
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2637954	(11) EP2643375	(11) EP2656673
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2638064	(11) EP2643376	(11) EP2659236
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2638212	(11) EP2643457	(11) EP2659470
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2638324	(11) EP2644020	(11) EP2662492
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2638456	(11) EP2644268	(11) EP2695142
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2638742	(11) EP2646284	(11) EP2698375
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2638752	(11) EP2646358	(11) EP2700283
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2640208	(11) EP2646376	(11) EP2712111
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2640389	(11) EP2646378	(11) EP2713511
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2640558	(11) EP2646546	(11) EP2718531
(00) 01.12.2022	(00) 01.12.2022	(00) 09.12.2015
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2640789	(11) EP2648799	(11) EP2722414
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2641101	(11) EP2649002	(11) EP2730158
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2641294	(11) EP2649049	(11) EP2730530
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2641417	(11) EP2649069	(11) EP2732703
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2641433	(11) EP2649109	(11) EP2733106
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2641573	(11) EP2651324	(11) EP2733260
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2641574	(11) EP2651850	(11) EP2733265
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2641856	(11) EP2654178	(11) EP2733266
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2642803	(11) EP2655370	(11) EP2733598
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2735374	(11) EP2767294	(11) EP2780466
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2735400	(11) EP2771506	(11) EP2780901
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2735666	(11) EP2773360	(11) EP2781487
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2737790	(11) EP2773675	(11) EP2781508
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2737977	(11) EP2773965	(11) EP2782343
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2738793	(11) EP2774099	(11) EP2782441
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2739937	(11) EP2775870	(11) EP2782508
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2741168	(11) EP2775882	(11) EP2782570
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2743905	(11) EP2775962	(11) EP2782707
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2745552	(11) EP2776200	(11) EP2782859
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2746029	(11) EP2776204	(11) EP2782977
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2746487	(11) EP2776362	(11) EP2783547
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2747346	(11) EP2776469	(11) EP2784056
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2747532	(11) EP2776550	(11) EP2785195
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2750690	(11) EP2776584	(11) EP2785238
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2752226	(11) EP2777062	(11) EP2785534
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2755844	(11) EP2778177	(11) EP2785536
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2760157	(11) EP2778178	(11) EP2785581
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2760724	(11) EP2779945	(11) EP2785643
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2762416	(11) EP2779958	(11) EP2785685
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2763896	(11) EP2780042	(11) EP2786037
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2766915	(11) EP2780388	(11) EP2786347
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2786631	(11) EP2870915	(11) EP2896575
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2786757	(11) EP2873372	(11) EP2897009
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2788412	(11) EP2873640	(11) EP2898702
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2789118	(11) EP2873700	(11) EP2900538
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2790842	(11) EP2873943	(11) EP2900539
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2793487	(11) EP2874126	(11) EP2902345
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2794162	(11) EP2875736	(11) EP2903879
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2797721	(11) EP2875975	(11) EP2905854
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2800718	(11) EP2876644	(11) EP2907119
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2802488	(11) EP2876682	(11) EP2912582
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2805107	(11) EP2876741	(11) EP2912996
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2809295	(11) EP2877690	(11) EP2913070
(00) 22.05.2023	(00) 01.03.2023	(00) 01.12.2022
(00) European Patent got Revoked	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2812374	(11) EP2878585	(11) EP2913667
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2836720	(11) EP2878710	(11) EP2914484
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2837160	(11) EP2879678	(11) EP2914939
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2839776	(11) EP2880928	(11) EP2914978
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2840044	(11) EP2880979	(11) EP2915360
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2843355	(11) EP2881102	(11) EP2915367
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2849968	(11) EP2882049	(11) EP2915807
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2852837	(11) EP2890178	(11) EP2916666
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2868188	(11) EP2894098	(11) EP2916698
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2870897	(11) EP2894882	(11) EP2916766
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2917034	(11) EP2920914	(11) EP2925977
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2917137	(11) EP2921576	(11) EP2925995
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2917230	(11) EP2922067	(11) EP2926053
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2917333	(11) EP2922505	(11) EP2928350
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2917668	(11) EP2922563	(11) EP2928686
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2918027	(11) EP2922667	(11) EP2928803
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2918113	(11) EP2922760	(11) EP2928878
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2918147	(11) EP2922771	(11) EP2928896
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2919370	(11) EP2922935	(11) EP2929136
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2919597	(11) EP2923009	(11) EP2929769
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2919624	(11) EP2923888	(11) EP2930495
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2919780	(11) EP2924485	(11) EP2931455
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2920168	(11) EP2924691	(11) EP2931977
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2920192	(11) EP2925197	(11) EP2932522
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2920236	(11) EP2925557	(11) EP2932653
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2920288	(11) EP2925596	(11) EP2933672
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2920382	(11) EP2925610	(11) EP2936925
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2920461	(11) EP2925671	(11) EP2938503
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2920476	(11) EP2925725	(11) EP2940087
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2920613	(11) EP2925764	(11) EP2940586
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2920804	(11) EP2925831	(11) EP2941829
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2920846	(11) EP2925904	(11) EP2942826
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023



(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2943242	(11) EP2989637	(11) EP3023345
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2943539	(11) EP2990048	(11) EP3023372
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2943726	(11) EP2992947	(11) EP3023467
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2943986	(11) EP3001234	(11) EP3023815
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2944067	(11) EP3004870	(11) EP3024090
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2945364	(11) EP3006778	(11) EP3026960
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2946654	(11) EP3006932	(11) EP3028752
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2949092	(11) EP3011717	(11) EP3028753
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2954240	(11) EP3013331	(11) EP3029215
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2957330	(11) EP3013527	(11) EP3029544
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2965572	(11) EP3015379	(11) EP3032241
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2965846	(11) EP3017924	(11) EP3032405
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2966482	(11) EP3018281	(11) EP3034251
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2967586	(11) EP3018444	(11) EP3034285
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2967946	(11) EP3018724	(11) EP3037023
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2971128	(11) EP3020348	(11) EP3037096
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2973786	(11) EP3020565	(11) EP3039644
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2977053	(11) EP3020913	(11) EP3041002
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2977621	(11) EP3021037	(11) EP3045147
(00) 01.03.2023	(00) 01.12.2022	(00) 29.05.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) European Patent got Revoked
(11) EP2980343	(11) EP3022716	(11) EP3050874
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2981245	(11) EP3023238	(11) EP3055649
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2982854	(11) EP3023239	(11) EP3055932
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3056293	(11) EP3068796	(11) EP3072523
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3056294	(11) EP3068800	(11) EP3073879
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3058975	(11) EP3068939	(11) EP3073925
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3059337	(11) EP3069457	(11) EP3073999
(00) 17.05.2023	(00) 01.12.2022	(00) 01.12.2022
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP3061466	(11) EP3069506	(11) EP3074231
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3063537	(11) EP3070809	(11) EP3074241
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3065421	(11) EP3071074	(11) EP3074400
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3065679	(11) EP3071203	(11) EP3074615
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3065727	(11) EP3071205	(11) EP3074686
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3065738	(11) EP3071374	(11) EP3074710
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3065790	(11) EP3071412	(11) EP3074775
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3065818	(11) EP3071447	(11) EP3074807
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3066100	(11) EP3071501	(11) EP3074912
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3066256	(11) EP3071511	(11) EP3074948
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3066813	(11) EP3071578	(11) EP3076698
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3068367	(11) EP3071593	(11) EP3076807
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3068390	(11) EP3071706	(11) EP3077279
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3068472	(11) EP3071875	(11) EP3077807
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3068484	(11) EP3072215	(11) EP3077869
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3068628	(11) EP3072257	(11) EP3078241
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3068776	(11) EP3072476	(11) EP3079396
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3068782	(11) EP3072478	(11) EP3079511
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3079808	(11) EP3101472	(11) EP3156317
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3082730	(11) EP3106979	(11) EP3159069
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3085033	(11) EP3114792	(11) EP3159135
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3085166	(11) EP3114879	(11) EP3161964
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3085303	(11) EP3117586	(11) EP3164787
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3086410	(11) EP3120512	(11) EP3166299
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3086966	(11) EP3123710	(11) EP3168048
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3087268	(11) EP3129809	(11) EP3168858
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3087364	(11) EP3135526	(11) EP3170636
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3089014	(11) EP3137330	(11) EP3171638
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3089150	(11) EP3141075	(11) EP3172790
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3089546	(11) EP3141076	(11) EP3173075
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3090485	(11) EP3141671	(11) EP3173288
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3091039	(11) EP3141904	(11) EP3173632
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3094740	(11) EP3143537	(11) EP3173674
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3095075	(11) EP3144096	(11) EP3173677
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3095453	(11) EP3144688	(11) EP3173765
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3097575	(11) EP3144776	(11) EP3173830
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3097584	(11) EP3150256	(11) EP3174243
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3098496	(11) EP3150620	(11) EP3177601
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3099864	(11) EP3151950	(11) EP3178459
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3100124	(11) EP3152671	(11) EP3184604
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3184895	(11) EP3215459	(11) EP3220682
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3185093	(11) EP3215476	(11) EP3221039
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3187843	(11) EP3215485	(11) EP3221042
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3190647	(11) EP3215528	(11) EP3221057
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3192441	(11) EP3215683	(11) EP3221071
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3192453	(11) EP3215776	(11) EP3221104
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3192660	(11) EP3215971	(11) EP3221144
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3193828	(11) EP3216247	(11) EP3221407
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3198098	(11) EP3216278	(11) EP3221591
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3202808	(11) EP3216286	(11) EP3221965
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3203087	(11) EP3216302	(11) EP3221984
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3204022	(11) EP3217856	(11) EP3222084
(00) 26.02.2023	(00) 01.12.2022	(00) 01.12.2022
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(11) EP3207441	(11) EP3217958	(11) EP3222530
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3209068	(11) EP3218192	(11) EP3222670
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3209130	(11) EP3218621	(11) EP3223003
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3210834	(11) EP3218743	(11) EP3223289
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3211267	(11) EP3219023	(11) EP3223688
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3213713	(11) EP3219052	(11) EP3223797
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3214942	(11) EP3219607	(11) EP3223984
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3215157	(11) EP3219964	(11) EP3224154
(00) 01.12.2022	(00) 01.03.2023	(00) 01.12.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3215158	(11) EP3220130	(11) EP3224179
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3215301	(11) EP3220404	(11) EP3224364
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3224701	(11) EP3235206	(11) EP3264971
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3224965	(11) EP3235340	(11) EP3265447
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3224985	(11) EP3235824	(11) EP3268317
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3225052	(11) EP3236833	(11) EP3269585
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3225067	(11) EP3237356	(11) EP3269764
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3225356	(11) EP3238397	(11) EP3270351
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3225898	(11) EP3239156	(11) EP3273893
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3226590	(11) EP3242143	(11) EP3274044
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3227400	(11) EP3242596	(11) EP3276700
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3227422	(11) EP3247061	(11) EP3278224
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3228550	(11) EP3249683	(11) EP3281914
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3228556	(11) EP3249748	(11) EP3285469
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3229796	(11) EP3249985	(11) EP3289089
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3231051	(11) EP3250212	(11) EP3289979
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3231909	(11) EP3250999	(11) EP3290777
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3232193	(11) EP3252016	(11) EP3291923
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP3232237	(11) EP3253386	(11) EP3292930
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3232315	(11) EP3253849	(11) EP3292982
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3232439	(11) EP3257478	(11) EP3295947
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3233551	(11) EP3258404	(11) EP3296667
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
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(11) EP3234247	(11) EP3260323	(11) EP3299937
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP3234617	(11) EP3263657	(11) EP3301215
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023

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(11) EP3302009	(11) EP3323293	(11) EP3344158
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3306213	(11) EP3323295	(11) EP3345235
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3308942	(11) EP3323618	(11) EP3345363
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3309900	(11) EP3323747	(11) EP3345852
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3310150	(11) EP3323942	(11) EP3345855
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3311483	(11) EP3324118	(11) EP3345932
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP3311767	(11) EP3326146	(11) EP3346508
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3312762	(11) EP3327110	(11) EP3347836
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3312923	(11) EP3327583	(11) EP3348481
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP3315249	(11) EP3328001	(11) EP3349349
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3315552	(11) EP3330923	(11) EP3351058
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3318225	(11) EP3331294	(11) EP3351550
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
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(11) EP3318677	(11) EP3331312	(11) EP3352448
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3319117	(11) EP3332620	(11) EP3353490
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
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(11) EP3319477	(11) EP3333540	(11) EP3354007
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
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(11) EP3320709	(11) EP3335382	(11) EP3354331
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3320926	(11) EP3336650	(11) EP3356777
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3321231	(11) EP3336686	(11) EP3356866
(00) 01.12.2022	(00) 01.03.2023	(00) 01.03.2023
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(11) EP3321249	(11) EP3338722	(11) EP3357685
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
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(11) EP3322790	(11) EP3341750	(11) EP3358245
(00) 01.03.2023	(00) 01.12.2022	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3323038	(11) EP3342841	(11) EP3358910
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3323239	(11) EP3343984	(11) EP3360862
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3361933	(11) EP3374455	(11) EP3378990
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3363431	(11) EP3374463	(11) EP3379985
(00) 01.03.2023	(00) 01.03.2023	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3363678	(11) EP3374637	(11) EP3380016
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3364377	(11) EP3374638	(11) EP3380027
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3366731	(11) EP3374763	(11) EP3380393
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3367559	(11) EP3374993	(11) EP3380431
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(11) EP3368231	(11) EP3374998	(11) EP3380486
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(11) EP3369766	(11) EP3374999	(11) EP3380640
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(11) EP3370535	(11) EP3375183	(11) EP3380762
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(11) EP3370588	(11) EP3375229	(11) EP3380801
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(11) EP3370885	(11) EP3375243	(11) EP3381922
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
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(11) EP3370914	(11) EP3375703	(11) EP3382452
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(11) EP3371008	(11) EP3376728	(11) EP3383381
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
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(11) EP3371822	(11) EP3376883	(11) EP3383645
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(11) EP3371931	(11) EP3376925	(11) EP3383646
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(11) EP3372051	(11) EP3376953	(11) EP3384369
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(11) EP3372052	(11) EP3377069	(11) EP3385250
(00) 01.12.2022	(00) 01.12.2022	(00) 01.12.2022
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(11) EP3373194	(11) EP3377082	(11) EP3385368
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(11) EP3373912	(11) EP3377129	(11) EP3385474
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(11) EP3374294	(11) EP3377837	(11) EP3387242
(00) 01.03.2023	(00) 01.12.2022	(00) 01.12.2022
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(11) EP3374374	(11) EP3378284	(11) EP3387767
(00) 01.12.2022	(00) 01.12.2022	(00) 01.03.2023

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(11) EP3388014	(11) EP3404059	(11) EP3425742
(00) 01.03.2023	(00) 01.03.2023	(00) 01.03.2023
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(11) EP3388194	(11) EP3405021	(11) EP3427200
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(11) EP3388976	(11) EP3405552	(11) EP3427532
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(11) EP3389768	(11) EP3405777	(11) EP3427602
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(11) EP3391763	(11) EP3406859	(11) EP3427615
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(11) EP3393683	(11) EP3407554	(11) EP3428697
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(11) EP3395199	(11) EP3408071	(11) EP3429154
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(11) EP3396522	(11) EP3409454	(11) EP3430436
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(11) EP3397046	(11) EP3409532	(11) EP3431452
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(11) EP3397066	(11) EP3410344	(11) EP3434809
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(11) EP3397433	(11) EP3412540	(11) EP3434903
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(11) EP3398243	(11) EP3412610	(11) EP3435169
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(11) EP3398459	(11) EP3415394	(11) EP3437589
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(11) EP3398783	(11) EP3415740	(11) EP3437688
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(11) EP3400494	(11) EP3415834	(11) EP3438647
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(11) EP3402961	(11) EP3421468	(11) EP3440682
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(11) EP3403180	(11) EP3422149	(11) EP3442111
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(11) EP3403542	(11) EP3423224	(11) EP3445915
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(11) EP3447654	(11) EP3472289	(11) EP3487237
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(11) EP3449264	(11) EP3475846	(11) EP3489003
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(11) EP3452276	(11) EP3476627	(11) EP3489045
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(11) EP3455777	(11) EP3479206	(11) EP3489161
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(11) EP3466663	(11) EP3484026	(11) EP3492988
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(11) EP3466818	(11) EP3484681	(11) EP3494456
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(11) EP3466850	(11) EP3485867	(11) EP3494746
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(11) EP3468738	(11) EP3486070	(11) EP3494791
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(11) EP3469704	(11) EP3486154	(11) EP3495442
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**VRB**

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

(11) 2029897

(48) 05.07.2023

(00) Octrooibewijs met gewijzigde stukken

(51) B62K 25/28

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**CO**

**Ingeschreven overdrachten.**

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

(71) Veenhuis Machines Holding B.V.	(71) Veenhuis Machines Holding B.V.	(00) 27.06.2023
(73) SVgroup B.V.	(73) SVgroup B.V.	(51) D01F 6/04
(11) 2000121	(11) 2008992	(00) Change of Legal Entity
(00) 29.06.2023	(00) 29.06.2023	(71) TOYOBO MC Corporation
(51) A01C 23/00	(51) G01G 19/12	(73) TOYOBO MC Corporation
(00) Merge	(00) Merge	(11) EP1696056
(71) SVgroup B.V.	(71) SVgroup B.V.	(00) 27.06.2023
(73) SVgroup B.V.	(73) SVgroup B.V.	(51) D01F 6/04
(11) 2000121	(11) 2008992	(00) Demerger
(00) 29.06.2023	(00) 29.06.2023	(71) TOYOBO MC Corporation
(51) A01C 23/00	(51) G01G 19/12	(73) TOYOBO MC Corporation
(00) Merge	(00) Merge	(11) EP1832675
(71) IQIP Holding B.V.	(71) SVgroup B.V.	(00) 27.06.2023
(73) IQIP Holding B.V.	(73) SVgroup B.V.	(51) D04H 3/05
(11) 2005542	(11) 2012174	D04H 3/16
(00) 26.06.2023	(00) 29.06.2023	D04H 3/00
(51) E02B 17/08	(51) A01C 23/00	(00) Demerger
F16L 1/26	G01N 1/20	(71) ATNX SPV, LLC
F16L 55/17	G01R 33/30	(73) ATNX SPV, LLC
(00) Change of owner(s) name	(00) Merge	(11) EP1836169
(71) IHC IQIP HOLDING B.V.	(71) Veenhuis Machines Holding B.V.	(00) 29.06.2023
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(11) 2005542	(11) 2012174	(00) Assignment
(00) 26.06.2023	(00) 29.06.2023	(71) SIGNIFY HOLDING B.V.
(51) E02B 17/08	(51) A01C 23/00	(73) SIGNIFY HOLDING B.V.
F16L 1/26	G01N 1/20	(11) EP1938666
F16L 55/17	G01R 33/30	(00) 27.06.2023
(00) Assignment	(00) Merge	(51) H05B 33/08
(71) IQIP Holding B.V.	(71) XSYS PREPRESS N.V.	(00) Assignment
(73) IQIP Holding B.V.	(73) XSYS PREPRESS N.V.	(71) GPQ S.R.L.
(11) 2014823	(11) 2013681	(73) GPQ S.R.L.
(00) 26.06.2023	(00) 28.06.2023	(11) EP1979053
(51) B66C 1/54	(51) B29C 67/00	(00) 28.06.2023
(00) Change of owner(s) name	(00) Change of owner(s) name	(51) A61K 8/22
(71) IHC IQIP HOLDING B.V.	(71) IHC IQIP HOLDING B.V.	A61K 8/36
(73) IQIP Holding B.V.	(73) IQIP Holding B.V.	A61K 31/19
(11) 2008493	(11) 2014823	A61Q 19/00
(00) 26.06.2023	(00) 26.06.2023	(00) Assignment
(51) E04H 12/08	(51) B66C 1/54	(71) TOYOBO MC Corporation
E04H 12/34	(00) Assignment	(73) TOYOBO MC Corporation
(00) Assignment	(71) IQIP Holding B.V.	(11) EP2095969
(71) SVgroup B.V.	(73) IQIP Holding B.V.	(00) 27.06.2023
(73) SVgroup B.V.	(11) 2015214	(51) B41C 1/05
(11) 2006694	(00) 26.06.2023	B41N 1/12
(00) 29.06.2023	(51) E21B 19/06	B41N 1/22
(51) A01C 5/06	E21B 31/20	(00) Demerger
(00) Merge	E21B 41/00	(71) thyssenkrupp Marine Systems GmbH
(71) Veenhuis Machines Holding B.V.	F16F 9/00	(73) thyssenkrupp Marine Systems GmbH
(73) SVgroup B.V.	(00) Change of owner(s) name	(11) EP1961900
(11) 2006694	(71) IHC IQIP HOLDING B.V.	(00) 29.06.2023
(00) 29.06.2023	(73) IQIP Holding B.V.	(51) B63B 19/00
(51) A01C 5/06	(11) 2015214	E05D 15/10
(00) Merge	(00) 26.06.2023	E05F 3/10
(71) IQIP Holding B.V.	(51) E21B 19/06	(00) Change of owner(s) name
(73) IQIP Holding B.V.	E21B 31/20	(71) TOYOBO CO., LTD.
(11) 2008493	E21B 41/00	(73) TOYOBO MC Corporation
(00) 26.06.2023	F16F 9/00	(11) EP2241448
(51) E04H 12/08	(00) Assignment	(00) 27.06.2023
E04H 12/34	(71) TOYOBO CO., LTD.	(51) B41C 1/05
(00) Change of owner(s) name	(73) TOYOBO MC Corporation	B41N 1/12
	(11) EP1696056	G03F 7/032

(00) Change of Legal Entity	(73) TOYOBO MC Corporation	(73) IQIP Holding B.V.
(71) TOYOBO MC Corporation	(11) EP2287371	(11) EP2661408
(73) TOYOBO MC Corporation	(00) 27.06.2023	(00) 26.06.2023
(11) EP2241448	(51) D01F 6/04	(51) B66C 1/10
(00) 27.06.2023	(00) Change of Legal Entity	B66C 1/42
(51) B41C 1/05	(71) SVgroup B.V.	(00) Assignment
B41N 1/12	(73) SVgroup B.V.	(71) TOYOBO MC Corporation
G03F 7/032	(11) EP2674734	(73) TOYOBO MC Corporation
(00) Demerger	(00) 29.06.2023	(11) EP1615074
(71) TOYOBO MC Corporation	(51) A01B 79/00	(00) 27.06.2023
(73) TOYOBO MC Corporation	G01G 11/06	(51) G03F 7/004
(11) EP2287672	(00) Merge	G03F 7/033
(00) 27.06.2023	(71) Veenhuis Machines Holding B.V.	(00) Demerger
(51) B41N 1/12	(73) SVgroup B.V.	(71) BORA-Vertriebs GmbH & Co KG
G03F 7/00	(11) EP2674734	(73) BORA-Vertriebs GmbH & Co KG
G03F 7/095	(00) 29.06.2023	(11) 2017883
G03F 7/20	(51) A01B 79/00	(00) 28.06.2023
(00) Demerger	G01G 11/06	(51) A23L 3/015
(71) TOYOBO MC Corporation	(00) Merge	A23L 3/3418
(73) TOYOBO MC Corporation	(71) TOYOBO MC Corporation	(00) Assignment
(11) EP2284612	(73) TOYOBO MC Corporation	(71) IHC IQIP HOLDING B.V.
(00) 27.06.2023	(11) EP2537965	(73) IQIP Holding B.V.
(51) B41C 1/05	(00) 27.06.2023	(11) EP2914390
B41N 1/12	(51) D01F 6/04	(00) 26.06.2023
G03F 7/09	(00) Demerger	(51) B08B 1/00
G03F 7/20	(71) XSYS Germany GmbH	B08B 9/02
(00) Demerger	(73) XSYS Germany GmbH	B08B 9/023
(71) TOYOBO MC Corporation	(11) EP2596404	B08B 9/027
(73) TOYOBO MC Corporation	(00) 28.06.2023	B08B 9/08
(11) EP2295258	(51) G03F 7/20	B08B 9/087
(00) 27.06.2023	G03F 7/38	B08B 9/093
(51) B41C 1/05	(00) Change of owner(s) name	E02B 17/00
B41N 1/12	(71) IQIP Holding B.V.	(00) Assignment
C08F 2/44	(73) IQIP Holding B.V.	(71) IQIP Holding B.V.
(00) Demerger	(11) EP2691577	(73) IQIP Holding B.V.
(71) IQIP Holding B.V.	(00) 26.06.2023	(11) EP2914390
(73) IQIP Holding B.V.	(51) E02D 13/06	(00) 26.06.2023
(11) EP2148123	(00) Change of owner(s) name	(51) B08B 1/00
(00) 26.06.2023	(71) IHC IQIP HOLDING B.V.	B08B 9/02
(51) E02B 17/00	(73) IQIP Holding B.V.	B08B 9/023
F16L 55/134	(11) EP2691577	B08B 9/027
(00) Change of owner(s) name	(00) 26.06.2023	B08B 9/08
(71) IHC IQIP HOLDING B.V.	(51) E02D 13/06	B08B 9/087
(73) IQIP Holding B.V.	(00) Assignment	B08B 9/093
(11) EP2148123	(71) TOYOBO MC Corporation	E02B 17/00
(00) 26.06.2023	(73) TOYOBO MC Corporation	(00) Change of owner(s) name
(51) E02B 17/00	(11) EP2755087	(71) TOYOBO MC Corporation
F16L 55/134	(00) 27.06.2023	(73) TOYOBO MC Corporation
(00) Assignment	(51) B41N 1/12	(11) EP2894515
(71) TOYOBO MC Corporation	G03F 7/00	(00) 27.06.2023
(73) TOYOBO MC Corporation	G03F 7/033	(51) C08L 9/02
(11) EP2316990	G03F 7/11	G03F 7/00
(00) 27.06.2023	(00) Demerger	G03F 7/004
(51) A41D 19/00	(71) XSYS PREPRESS N.V.	G03F 7/032
A41D 31/00	(73) XSYS PREPRESS N.V.	G03F 7/033
D01F 1/10	(11) 2016019	G03F 7/095
D01F 6/04	(00) 28.06.2023	G03F 7/11
D02G 3/32	(51) B41N 1/12	(00) Demerger
D02G 3/44	(00) Change of owner(s) name	(71) Alpha Assembly Solutions Inc.
(00) Demerger	(71) IQIP Holding B.V.	Heraeus Deutschland GmbH & Co. KG
(71) TOYOBO MC Corporation	(73) IQIP Holding B.V.	Harima Chemicals Group, Inc.
(73) TOYOBO MC Corporation	(11) EP2661408	(73) Harima Chemicals Group, Inc.
(11) EP2287371	(00) 26.06.2023	Heraeus Deutschland GmbH & Co. KG
(00) 27.06.2023	(51) B66C 1/10	Alpha Assembly Solutions Inc.
(51) D01F 6/04	B66C 1/42	(11) EP1617968
(00) Demerger	(00) Change of owner(s) name	(00) 27.06.2023
(71) TOYOBO CO., LTD.	(71) IHC IQIP HOLDING B.V.	(51) B23K 35/26

(00) Assignment	(00) 27.06.2023	G03F 7/033
(71) Nicoventures Trading Limited	(51) G03F 7/00	G03F 7/40
(73) Nicoventures Trading Limited	G03F 7/09	(00) Demerger
(11) EP2405942	G03F 7/20	(71) TOYOBO MC Corporation
(00) 29.06.2023	G03F 1/00	(73) TOYOBO MC Corporation
(51) A61K 9/16	G03F 1/68	(11) EP2980647
A61K 31/465	(00) Demerger	(00) 27.06.2023
(00) Assignment	(71) XSYS PREPRESS N.V.	(51) B41N 3/08
(71) IHC IQIP HOLDING B.V.	(73) XSYS PREPRESS N.V.	G03F 7/00
(73) IQIP Holding B.V.	(11) 2020109	G03F 7/033
(11) EP2925658	(00) 28.06.2023	G03F 7/40
(00) 26.06.2023	(51) B41C 1/10	(00) Demerger
(51) B66C 1/56	B41F 27/00	(71) XSYS PREPRESS N.V.
E02D 11/00	B41F 27/12	(73) XSYS PREPRESS N.V.
E02D 13/04	B41N 1/12	(11) 2020835
E02D 35/00	(00) Change of owner(s) name	(00) 28.06.2023
E04H 12/34	(71) TOYOBO MC Corporation	(51) B41C 1/02
(00) Assignment	(73) TOYOBO MC Corporation	B41N 3/00
(71) IQIP Holding B.V.	(11) EP2848721	G03F 7/26
(73) IQIP Holding B.V.	(00) 27.06.2023	(00) Change of owner(s) name
(11) EP2925658	(51) B68G 1/00	(71) XSYS PREPRESS N.V.
(00) 26.06.2023	B68G 11/03	(73) XSYS PREPRESS N.V.
(51) B66C 1/56	D04H 3/16	(11) 2020836
E02D 11/00	D04H 3/007	(00) 28.06.2023
E02D 13/04	D04H 3/011	(51) B41C 1/02
E02D 35/00	D04H 3/016	B41N 3/00
E04H 12/34	D04H 3/018	G03F 7/26
(00) Change of owner(s) name	D04H 3/03	(00) Change of owner(s) name
(71) ChemCom Investments B.V.	D04H 3/14	(71) TOYOBO MC Corporation
(73) ChemCom Investments B.V.	(00) Demerger	(73) TOYOBO MC Corporation
(11) EP2629879	(71) IHC IQIP HOLDING B.V.	(11) EP3064627
(00) 27.06.2023	(73) IQIP Holding B.V.	(00) 27.06.2023
(51) B01D 53/14	(11) EP2956397	(51) A47C 27/12
C01B 3/52	(00) 26.06.2023	D04H 3/16
C10K 1/00	(51) B66C 1/44	D04H 3/016
(00) Assignment	E02B 17/06	D04H 3/018
(71) IHC IQIP HOLDING B.V.	E02B 17/08	D04H 3/073
(73) IQIP Holding B.V.	(00) Assignment	D04H 3/077
(11) EP2791545	(71) IQIP Holding B.V.	(00) Demerger
(00) 26.06.2023	(73) IQIP Holding B.V.	(71) TOYOBO MC Corporation
(51) B63C 11/52	(11) EP2956397	(73) TOYOBO MC Corporation
F16G 15/06	(00) 26.06.2023	(11) EP3064628
(00) Assignment	(51) B66C 1/44	(00) 27.06.2023
(71) IQIP Holding B.V.	E02B 17/06	(51) D04H 3/16
(73) IQIP Holding B.V.	E02B 17/08	D04H 3/007
(11) EP2791545	(00) Change of owner(s) name	D04H 3/011
(00) 26.06.2023	(71) IQIP Holding B.V.	(00) Demerger
(51) B63C 11/52	(73) IQIP Holding B.V.	(71) TOYOBO MC Corporation
F16G 15/06	(11) EP2488703	(73) TOYOBO MC Corporation
(00) Change of owner(s) name	(00) 26.06.2023	(11) EP2492380
(71) TOYOBO MC Corporation	(51) E02D 7/14	(00) 27.06.2023
(73) TOYOBO MC Corporation	E02D 13/00	(51) A41D 19/00
(11) EP2682504	(00) Change of owner(s) name	A41D 19/015
(00) 27.06.2023	(71) IHC IQIP HOLDING B.V.	D01D 5/247
(51) D01F 6/04	(73) IQIP Holding B.V.	D01F 1/08
(00) Demerger	(11) EP2488703	D01F 6/04
(71) XSYS PREPRESS N.V.	(00) 26.06.2023	D01F 8/06
(73) XSYS PREPRESS N.V.	(51) E02D 7/14	D02G 3/04
(11) 2019051	E02D 13/00	D02G 3/32
(00) 28.06.2023	(00) Assignment	D02G 3/38
(51) B41C 1/05	(71) TOYOBO MC Corporation	D03D 1/00
G03F 7/20	(73) TOYOBO MC Corporation	D03D 15/00
G03F 7/24	(11) EP2520440	D03D 15/08
(00) Change of owner(s) name	(00) 27.06.2023	D04B 1/16
(71) TOYOBO MC Corporation	(51) B41N 1/12	D04B 1/18
(73) TOYOBO MC Corporation	B41N 3/00	D04B 1/28
(11) EP2461215	G03F 7/00	D06M 15/53

D06M 15/647	H04N 1/405	(51) G03F 7/20
D06M 101/20	(00) Change of owner(s) name	(00) Change of owner(s) name
D06P 3/79	(71) IHC IQIP HOLDING B.V.	(71) F. Hoffmann-La Roche Ltd
(00) Demerger	(73) IQIP Holding B.V.	(73) F. Hoffmann-La Roche Ltd
(71) IQIP Holding B.V.	(11) EP3237688	(11) EP3215530
(73) IQIP Holding B.V.	(00) 26.06.2023	(00) 28.06.2023
(11) EP3083391	(51) E02D 27/42	(51) A61K 39/00
(00) 26.06.2023	(00) Assignment	A61P 27/02
(51) B63B 35/28	(71) IQIP Holding B.V.	C07K 16/24
(00) Change of owner(s) name	(73) IQIP Holding B.V.	(00) Assignment
(71) IHC IQIP HOLDING B.V.	(11) EP3237688	(71) XSYS PREPRESS N.V.
(73) IQIP Holding B.V.	(00) 26.06.2023	(73) XSYS PREPRESS N.V.
(11) EP3083391	(51) E02D 27/42	(11) 2023988
(00) 26.06.2023	(00) Change of owner(s) name	(00) 28.06.2023
(51) B63B 35/28	(71) XSYS PREPRESS N.V.	(51) B26F 1/00
(00) Assignment	(73) XSYS PREPRESS N.V.	B41C 1/10
(71) TOYOBO MC Corporation	(11) 2022926	B41N 3/00
(73) TOYOBO MC Corporation	(00) 28.06.2023	(00) Change of owner(s) name
(11) EP2966206	(51) B08B 11/00	(71) Harima Chemicals Group, Inc.
(00) 27.06.2023	B41F 35/00	(73) Harima Chemicals Group, Inc.
(51) D04H 3/16	B41N 3/00	(11) EP2753442
D04H 3/007	G03F 7/30	(00) 27.06.2023
D04H 3/009	G03F 7/40	(51) B22F 1/02
(00) Demerger	(00) Change of owner(s) name	B23K 35/36
(71) TOYOBO MC Corporation	(71) XSYS PREPRESS N.V.	B23K 35/365
(73) TOYOBO MC Corporation	(73) XSYS PREPRESS N.V.	C07C 255/17
(11) EP2677365	(11) 2023079	C08L 33/20
(00) 27.06.2023	(00) 28.06.2023	H05K 3/34
(51) G03F 7/00	(51) B29C 64/135	(00) Assignment
G03F 7/095	G03F 7/20	(71) TOYOBO MC Corporation
G03F 7/32	B33Y 10/00	(73) TOYOBO MC Corporation
(00) Demerger	B33Y 30/00	(11) EP3064353
(71) Harima Chemicals Group, Inc.	(00) Change of owner(s) name	(00) 27.06.2023
(73) Harima Chemicals Group, Inc.	(71) TOYOBO MC Corporation	(51) B29C 65/00
(11) EP2516104	(73) TOYOBO MC Corporation	B29L 31/00
(00) 27.06.2023	(11) EP2799489	B41C 1/05
(51) B23K 35/26	(00) 27.06.2023	B41C 1/18
B23K 35/36	(51) C08F 255/02	B41N 1/12
B23K 35/362	C08K 7/02	B41N 1/22
(00) Assignment	C08L 23/02	G03F 7/24
(71) XSYS PREPRESS N.V.	C08L 23/08	(00) Demerger
(73) XSYS PREPRESS N.V.	C08L 23/10	(71) XSYS PREPRESS N.V.
(11) 2022394	C08L 23/12	(73) XSYS PREPRESS N.V.
(00) 28.06.2023	C08L 23/26	(11) 2024368
(51) B29C 64/124	C08L 51/06	(00) 28.06.2023
B41C 1/00	(00) Demerger	(51) B41M 1/04
B41N 1/12	(71) XSYS Germany GmbH	H04N 1/405
(00) Change of owner(s) name	(73) XSYS Germany GmbH	(00) Change of owner(s) name
(71) XSYS PREPRESS N.V.	(11) 2027293	(71) ATNX SPV, LLC
(73) XSYS PREPRESS N.V.	(00) 28.06.2023	(73) ATNX SPV, LLC
(11) 2025875	(51) B41C 1/10	(11) 301145
(00) 28.06.2023	G03F 7/004	(00) 29.06.2023
(51) G03F 7/20	(00) Change of owner(s) name	(00) Assignment
(00) Change of owner(s) name	(71) XSYS Germany GmbH	(71) TOYOBO MC Corporation
(71) TOYOBO MC Corporation	(73) XSYS Germany GmbH	(73) TOYOBO MC Corporation
(73) TOYOBO MC Corporation	(11) EP3291989	(11) EP3290557
(11) EP2833202	(00) 28.06.2023	(00) 27.06.2023
(00) 27.06.2023	(51) B41C 1/05	(51) A47C 27/12
(51) G03F 7/00	B41M 1/10	A47G 27/02
G03F 7/027	B41M 1/40	B68G 3/00
(00) Demerger	B41N 1/06	D04H 3/16
(71) XSYS PREPRESS N.V.	B41N 1/20	D04H 3/011
(73) XSYS PREPRESS N.V.	(00) Change of owner(s) name	D04H 3/016
(11) 2022776	(71) XSYS PREPRESS N.V.	D04H 3/018
(00) 28.06.2023	(73) XSYS PREPRESS N.V.	(00) Demerger
(51) B41M 1/04	(11) 2023537	(71) MWT IP Holder, LLC
H04N 1/40	(00) 28.06.2023	(73) MWT IP Holder, LLC

(11) EP2986265	E02D 27/52	C08J 9/18
(00) 27.06.2023	(00) Assignment	C08J 9/228
(51) A61H 1/00	(71) XSYS PREPRESS N.V.	C08J 9/232
A61H 1/02	(73) XSYS PREPRESS N.V.	C08L 67/02
A61H 23/00	(11) 2025238	(00) Demerger
A61H 23/02	(00) 28.06.2023	(71) XSYS Germany GmbH
(00) Assignment	(51) B41C 1/02	(73) XSYS Germany GmbH
(71) XSYS PREPRESS N.V.	B41N 3/00	(11) 2027003
(73) XSYS PREPRESS N.V.	G03F 7/26	(00) 28.06.2023
(11) 2024756	B65G 21/08	(51) G03F 7/033
(00) 28.06.2023	(00) Change of owner(s) name	(00) Change of owner(s) name
(51) G03F 7/20	(71) XSYS PREPRESS N.V.	(71) XSYS Germany GmbH
(00) Change of owner(s) name	(73) XSYS PREPRESS N.V.	(73) XSYS Germany GmbH
(71) TOYOBO MC Corporation	(11) 2025512	(11) 2027142
(73) TOYOBO MC Corporation	(00) 28.06.2023	(00) 28.06.2023
(11) EP3255192	(51) G03F 7/30	(51) G03F 7/20
(00) 27.06.2023	(00) Change of owner(s) name	(00) Change of owner(s) name
(51) A47C 27/12	(71) Harima Chemicals Group, Inc.	(71) XSYS PREPRESS N.V.
D04H 3/007	(73) Harima Chemicals Group, Inc.	(73) XSYS PREPRESS N.V.
D04H 3/037	(11) EP2605875	(11) 2027143
(00) Demerger	(00) 27.06.2023	(00) 28.06.2023
(71) XSYS PREPRESS N.V.	(51) B22F 1/00	(51) B65H 9/10
(73) XSYS PREPRESS N.V.	B22F 1/02	B25J 15/06
(11) EP3393817	B23K 35/26	B41C 1/00
(00) 28.06.2023	B23K 35/30	B65G 47/91
(51) B41C 1/05	B23K 35/36	B65G 49/06
B41N 1/12	B23K 35/365	B41N 3/00
B41N 1/22	(00) Assignment	B41C 1/10
(00) Change of owner(s) name	(71) YCCHEM CO., LTD.	B65H 7/08
(71) TOYOBO MC Corporation	(73) YCCHEM CO., LTD.	B65H 7/10
(73) TOYOBO MC Corporation	(11) EP3406673	B65H 3/08
(11) EP3358411	(00) 27.06.2023	G03F 9/00
(00) 27.06.2023	(51) C03C 1/00	B65G 47/244
(51) B41N 1/12	C03C 17/02	G01B 11/00
C08G 69/26	C09D 5/00	(00) Change of owner(s) name
G03F 7/00	C09D 183/06	(71) XSYS Germany GmbH
G03F 7/037	(00) Change of owner(s) name	(73) XSYS Germany GmbH
(00) Demerger	(71) XSYS PREPRESS N.V.	(11) 2027144
(71) TOYOBO MC Corporation	(73) XSYS PREPRESS N.V.	(00) 28.06.2023
(73) TOYOBO MC Corporation	(11) 2026610	(51) G03F 7/20
(11) EP3290556	(00) 28.06.2023	(00) Change of owner(s) name
(00) 27.06.2023	(51) G03F 7/20	(71) IHC IQIP HOLDING B.V.
(51) A47C 27/12	(00) Change of owner(s) name	(73) IQIP Holding B.V.
A47G 27/02	(71) XSYS PREPRESS N.V.	(11) EP2723947
B68G 3/00	(73) XSYS PREPRESS N.V.	(00) 26.06.2023
D04H 3/16	(11) 2028000	(51) E02D 13/00
D04H 3/011	(00) 28.06.2023	E02D 13/04
D04H 3/018	(51) B65H 9/10	(00) Assignment
(00) Demerger	B65H 7/08	(71) IQIP Holding B.V.
(71) IQIP Holding B.V.	B65H 7/10	(73) IQIP Holding B.V.
(73) IQIP Holding B.V.	(00) Change of owner(s) name	(11) EP2723947
(11) EP2446090	(71) XSYS Germany GmbH	(00) 26.06.2023
(00) 26.06.2023	(73) XSYS Germany GmbH	(51) E02D 13/00
(51) E02D 7/02	(11) 2027002	E02D 13/04
E02D 7/14	(00) 28.06.2023	(00) Change of owner(s) name
E02D 13/00	(51) G03F 7/027	(71) TOYOBO MC Corporation
E02D 17/00	(00) Change of owner(s) name	(73) TOYOBO MC Corporation
E02D 27/52	(71) SEKISUI KASEI CO., LTD.	(11) EP3133191
(00) Change of owner(s) name	TOYOBO MC Corporation	(00) 27.06.2023
(71) IHC IQIP HOLDING B.V.	(73) SEKISUI KASEI CO., LTD.	(51) D01D 5/04
(73) IQIP Holding B.V.	TOYOBO MC Corporation	D01F 6/04
(11) EP2446090	(11) EP3486278	D04C 1/02
(00) 26.06.2023	(00) 27.06.2023	(00) Demerger
(51) E02D 7/02	(51) A43B 13/04	(71) TOYOBO MC Corporation
E02D 7/14	C08G 63/672	(73) TOYOBO MC Corporation
E02D 13/00	C08J 9/12	(11) EP3124656
E02D 17/00	C08J 9/14	(00) 27.06.2023

(51) D01D 1/02	(73) DATADOG INC.	C08F 255/02
D01D 5/04	(11) EP3130123	C08F 255/04
D01D 5/088	(00) 29.06.2023	(00) Demerger
D01F 6/04	(51) H04L 29/06	(71) XSYS Germany GmbH
D04C 1/02	(00) Assignment	(73) XSYS Germany GmbH
(00) Demerger	(71) IHC IQIP HOLDING B.V.	(11) EP3698969
(71) Düring, Klaus	(73) IQIP Holding B.V.	(00) 28.06.2023
(73) Düring, Klaus	(11) EP3224418	(51) B41F 13/08
(11) EP3209248	(00) 26.06.2023	B41F 13/10
(00) 27.06.2023	(51) E02B 17/00	B41F 27/10
(51) D04C 1/06	E02B 17/02	B41F 27/14
A61F 2/90	E02B 17/04	(00) Change of owner(s) name
A61F 2/95	E02D 27/52	(71) TOYOBO MC Corporation
(00) Assignment	(00) Assignment	(73) TOYOBO MC Corporation
(71) George Wilson Industries Limited	(71) IQIP Holding B.V.	(11) EP3680715
Aparator Metrix Spółka Akcyjna	(73) IQIP Holding B.V.	(00) 27.06.2023
(73) Aparator Metrix Spółka Akcyjna	(11) EP3224418	(51) G03F 7/004
George Wilson Industries Limited	(00) 26.06.2023	B41N 1/12
(11) EP2286186	(51) E02B 17/00	G03F 7/00
(00) 27.06.2023	E02B 17/02	G03F 7/037
(51) G01F 1/075	E02B 17/04	G03F 7/11
G01F 1/115	E02D 27/52	(00) Demerger
G01F 3/22	(00) Change of owner(s) name	(71) Ekornes AS
G01F 15/06	(71) XSYS Germany GmbH	(73) Ekornes AS
(00) Assignment	(73) XSYS Germany GmbH	(11) EP3534753
(71) XSYS PREPRESS N.V.	(11) EP3723986	(00) 22.06.2023
(73) XSYS PREPRESS N.V.	(00) 28.06.2023	(51) A47C 7/46
(11) 2028683	(51) B41F 27/10	B60N 2/66
(00) 28.06.2023	B41F 27/14	(00) Assignment
(51) B41N 3/00	(00) Change of owner(s) name	
B65G 49/06	(71) TOYOBO MC Corporation	
G03F 7/30	(73) TOYOBO MC Corporation	
(00) Change of owner(s) name	(11) EP3605229	
(71) XSYS Germany GmbH	(00) 27.06.2023	
(73) XSYS Germany GmbH	(51) G03F 7/11	
(11) 2028207	C08G 69/02	
(00) 28.06.2023	C08G 69/40	
(51) G03F 7/027	G03F 7/00	
G03F 7/20	(00) Demerger	
G03F 7/32	(71) First15 Trading B.V.	
G03F 7/36	(73) First15 Trading B.V.	
G03F 7/40	(11) 2029784	
(00) Change of owner(s) name	(00) 28.06.2023	
(71) XSYS Germany GmbH	(51) A61B 17/132	
(73) XSYS Germany GmbH	(00) Assignment	
(11) 2028208	(71) TOYOBO MC Corporation	
(00) 28.06.2023	(73) TOYOBO MC Corporation	
(51) G03F 7/36	(11) EP3369795	
G03F 7/027	(00) 27.06.2023	
G03F 7/20	(51) B32B 27/00	
(00) Change of owner(s) name	B32B 27/32	
(71) XSYS PREPRESS N.V.	C09J 123/04	
(73) XSYS PREPRESS N.V.	C09J 123/10	
(11) 2028815	C09J 123/14	
(00) 28.06.2023	(00) Demerger	
(51) G03F 7/30	(71) TOYOBO MC Corporation	
(00) Change of owner(s) name	(73) TOYOBO MC Corporation	
(71) TOYOBO MC Corporation	(11) EP2998327	
(73) TOYOBO MC Corporation	(00) 27.06.2023	
(11) EP3605224	(51) C08F 8/30	
(00) 27.06.2023	C08F 255/00	
(51) G03F 7/00	C09J 151/06	
G03F 7/037	B32B 7/12	
G03F 7/095	B32B 27/32	
G03F 7/20	B32B 17/10	
(00) Demerger	C08F 222/06	
(71) DATADOG INC.	C08F 8/32	

**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**

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**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).**