



Rijksdienst voor Ondernemend  
Nederland

# *Nederland*

## *De industriële eigendom*

## Inleiding

### Hoofdblad

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

### Bijblad

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

### Abonnementsprijzen per (kalender)jaar:

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Voor taksen en depotrekeningen:

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Iban: NL41INGB070500129

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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:

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

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<b>Rubriek NP2</b> Bevat gegevens betreffende ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.	<b>14 Heading NP2</b> Contains data concerning Netherlands patents which have been entered in the patent register under the Patents Act 1995.	<b>14</b>
<b>Rubriek NP3</b> Bevat gegevens betreffende Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995.	<b>21 Heading NP3</b> Contains data concerning Netherlands patents after partial renunciation confirm Article 63 of the Patents Act 1995.	<b>21</b>
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<b>Rubriek EP4</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde Europese octrooien.	<b>309 Heading EP4</b> Contains data concerning European patents granted in amended form for the Netherlands.	<b>309</b>
<b>Rubriek EP5</b> Bevat gegevens betreffende voor Nederland verleende gewijzigde	<b>310 Heading EP5</b> Contains data concerning European patents granted in amended form for	<b>310</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>311Heading SPC</b> Contains data concerning applications for- or granted Supplementary Protection Certificates.	311
<b>Rubriek VB1</b> Bevat gegevens betreffende rechten waarvoor een verzoek of bezwaarschrift is ingediend conform de Octrooiwet 1995.	<b>312Heading VB1</b> Contains data concerning requests and notices of opposition under the General administrative law.	312
<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>313Heading 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.	313
<b>Rubriek MED</b> Bevat gegevens betreffende overige mededelingen.	<b>314Heading MED</b> Contains data concerning other communications.	314
<b>Rubriek VRV</b> Bevat gegevens betreffende verval of nietigverklaring.	<b>315Heading VRV</b> Contains data concerning lapse or annulment.	315
<b>Rubriek VRB</b> Bevat gegevens betreffende verbeteringen op eerdere publicaties.	<b>337Heading VRB</b> Contains data concerning corrections on earlier publications.	337
<b>Rubriek CO</b> Bevat gegevens betreffende wijzigingen in het octrooiregister.	<b>338Heading CO</b> Contains data concerning changes in the Netherland patent register.	338
<b>Rubriek TVH</b> Bevat gegevens betreffende topografieën van halfgeleiderproducten.	<b>341Heading TVH</b> Contains data concerning depots of original topographies of semi-conductor products.	341

<b>Rubriek UP1</b> Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	<b>342Heading UP1</b> Contains data concerning European patents with registered Unitary Effect.	342
<b>Rubriek UP2</b> Bevat gegevens over Europese octrooien met geregistreerd verzoek ex. artikel 52a (herstel recht op validatie).	<b>347Heading UP2</b> Contains data concerning European patents with registered request ex article 52a (restoration of validation right).	347
<b>Rubriek UP3</b> Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en complete validatie.	<b>348Heading UP3</b> Contains data concerning European patents with accepted ex article 52a (restoration of validation right) and validation completed.	348
<b>Rubriek UP4</b> Bevat gegevens over Europese octrooien met geaccepteerd verzoek ex. artikel 52a (herstel recht op validatie) en geen complete validatie.	<b>349Heading UP4</b> Contains data concerning European patents with accepted request ex article 52a (restoration of validation right) and incomplete validation.	349
<b>Rubriek UP5</b> Bevat gegevens over Europese octrooien met afgewezen verzoek ex. artikel 52a (herstel recht op validatie).	<b>350Heading UP5</b> Contains data concerning European patents with rejected request ex article 52a (restoration of validation right).	350
<b>Rubriek UP6</b> Bevat gegevens over Europese octrooien met ingetrokken verzoek ex. artikel 52a (herstel recht op validatie).	<b>351Heading UP6</b> Contains data concerning European patents with withdrawn request ex article 52a (restoration of validation right).	351

## Overzicht van Inid codes

### INID CODES

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

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

### INID CODES

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

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

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

## Rubrieken/Headings

### NP1

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

(51) A01B 79/00 A01G 25/16	(74) ir. J.P.E. Brants (72) Philip Ragolle Gunter Roets	(71) Inner Mongolia Academy of Agriculture & Animal Husbandry Sciences
(21) 2030918 (22) 11.02.2022	(31) 2022/5104 (32) 17.02.2022 (33) Belgium	(74) ir. M.B. Plaggenborg (72) Jie Pang
(54) INTELLIGENT FIELD WATER-SAVING IRRIGATION CONTROL SYSTEM AND CONTROL METHOD THEREOF	(51) A01K 63/00 A01G 31/02 A01K 63/04	Hongyu Zhao Xiaolei Li Qiang Xiao Hui Zhang Guoqin Sun Haiyan Wang Wenmei Jia Chuanzong Yu Hongchun Bao Yajiao Li
(71) Hulunbuir Institute of Ecological Industry and Technology Hulunbuir Agricultural Reclamation Technology Development Co., Ltd.	(21) 2030941 (22) 15.02.2022 (54) ECOLOGICAL INTELLIGENT INDOOR VERTICAL PLANTING WALL AND CULTIVATION METHOD THEREOF	(51) A23P 20/10 (21) 2030910 (22) 11.02.2022
(74) ir. M.B. Plaggenborg (72) Jiaojiao Bai Bing Fan Jianxi Hao Yuling Yuan	(71) YUNNAN UNIVERSITY Flower Research Institute, Yunnan Academy of Agricultural Sciences Siwei Ecological Technology (Hangzhou) Co., Ltd.	(54) BONDING COMPOSITION FOR A VEGETARIAN OR VEGAN FOODSTUFF (71) Hanze Food B.V. (74) dr. T. Hubregtse (72) Thomas Alberts-Renssen (41) 18.08.2023
(41) 18.08.2023	(74) ir. W.J.J.M. Kempes (72) Lihua Wang Zhenhong Lu Yanfei Cai Hao Zhang Da Zhang Xuewei Wu	(51) A47L 9/14 (21) 2030909 (22) 11.02.2022
(51) A01C 1/00 (21) 2030916 (22) 11.02.2022	(41) 21.08.2023	(54) A dust container for a vacuum cleaner (71) TeCo Holding B.V. (74) ir. A. Blokland c.s. (41) 18.08.2023
(54) METHOD FOR PROMOTING GERMINATION OF SEED OF ALISMATACEAE AFTER STORAGE	(51) A23L 25/10 A23L 33/00 A23L 17/60	(51) A61B 5/01 (21) 2030926 (22) 14.02.2022
(71) Kunming Institute of Botany, Chinese Academy of Sciences (74) ir. M.B. Plaggenborg (72) Xiaojian Hu Juan Yang Meijuan Li Xiangyun Yang Ting Zhang Shaofa Qin Hui Li	(21) 2030930 (22) 14.02.2022 (54) COMPOSITE PEANUT BUTTER AND PREPARATION METHOD THEREOF (71) Shanxi Agricultural University (74) ir. M.B. Plaggenborg (72) Hui Li Zhiron Tang Lin Hao Wenjie Hao	(54) FIELD BODY TEMPERATURE SCREENING DEVICE AND METHOD FOR EPIDEMIC PREVENTION AND CONTROL GATE (71) CHINA JILIANG UNIVERSITY (74) ir. M.B. Plaggenborg (72) Tianhua Gu Le Chen
(41) 18.08.2023	(41) 18.08.2023	(41) 18.08.2023
(51) A01C 3/02 A01C 23/04 A01K 1/01	(51) A23N 4/12 A23N 15/00	(51) A61B 5/11 A61M 5/30
(21) 2030937 (22) 15.02.2022	(21) 2030959 (22) 16.02.2022	(21) 2030901 (22) 11.02.2022
(54) Bemestingsstelsel, stal en samenstel van een veldbewerkingvoertuig en een bemestingsstelsel	(54) A system and a method for removing at least one part from a vegetable piece (71) Sormac B.V. (74) ir. A. Blokland c.s. (72) Hubertus Ernest Ferdinand Marie Haffmans	(54) Material characterization method (71) Universiteit Twente (74) dr. A. Ellens c.s. (72) David Fernandez Rivas Miguel Angel Quetzeri Santiago
(71) Lely Patent N.V. (74) ir. M.J.F.M. Corten (72) Willem Gijsbert Adriaan Duiveman Karel van den Berg Korstiaan Cornelis Blokland Arie Huyzer	(41) 22.08.2023	(41) 18.08.2023
(41) 21.08.2023	(51) A23N 12/02	(51) A61H 31/00
(51) A01F 15/14 (21) 2034168 (22) 16.02.2023	(21) 2035519 (22) 31.07.2023	(21) 2031412 (22) 27.03.2022
(54) INRICHTING EN WERKWIJZE VOOR AFBINDEN VAN BALEN IN EEN OPROLPERS	(54) CLEANING DEVICE FOR PROCESSING EDIBLE FUNGUS	(54) CARDIOPULMONARY RESUSCITATION TRAINING AND
(71) Union nv		



ASSESSMENT-INTEGRATED APPARATUS	Franciscus Jacobus Petrus Paulus Veugen	(41) 22.08.2023
(71) SICHUAN UNIVERSITY	Rob Andries Veugen	(51) B32B 15/01
(74) dr. T. Wittop Koning PhD	(41) 22.08.2023	B32B 15/18
(72) Bingwei Tian	(51) B23B 41/02	B32B 3/30
(31) 202210139260.1	B23B 51/06	B32B 27/06
(32) 15.02.2022	(21) 2030970	B32B 27/28
(33) China	(22) 16.02.2022	(21) 2030953
(51) A61K 36/00	(54) BOORINRICHTING EN WERKWIJZE VOOR HET BOREN VAN GATEN IN EEN STOFPAKKET VAN EEN RAAMBEKLEDING	(22) 15.02.2022
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A61K 35/57	(74) drs. C.H. Mink-Lindenburg	(71) Beijing Institute of Technology
A61K 35/10	(72) Bram Starren	(74) ir. M.B. Plaggenborg
(21) 2030912	Ruben Hubert Jan de Vries	(72) Huimin Li
(22) 11.02.2022	Maarten Petrus Maria Janssens	Tianyi Feng
(54) COMPOSITION FOR TREATING URINARY CALCULUS AND PREPARATION METHOD THEREOF	Bastiaan Franciscus Klein Tunte	Lei Zhou
(71) Zhigang Wang	(41) 22.08.2023	Lei Ge
(74) ir. M.B. Plaggenborg	(51) B25J 13/00	Baosheng Liu
(72) Jianwen Ge	B25J 3/00	Daining Fang
Xia Yang	(21) 2030889	Haoran Su
Zhigang Wang	(22) 10.02.2022	(41) 21.08.2023
(41) 18.08.2023	(54) SIX-DEGREES-OF-FREEDOM ROBOTIC ARM FORCE FEEDBACK TELEOPERATION MASTER MANIPULATOR	(51) B60K 7/00
(51) A61L 9/20	(71) Shandong University	(21) 2032355
(21) 1044260	(74) ir. M.B. Plaggenborg	(22) 01.07.2022
(22) 16.02.2022	(72) Shaolei Wu	(54) TRUCK AXLE WITH DIRECT DRIVE ELECTRIC MOTORS
(54) Air cleaning apparatus	Xuewen Rong	(71) Pieter Theodoor van Lookeren Campagne
(71) Gemex Consultancy BV	Yong Li	(74) ir. M. Cramwinckel
(72) Johannes Otto Rooymans	Desheng Ma	(72) Pieter Theodoor van Lookeren Campagne
(41) 22.08.2023	Ruimin Luo	(51) B62B 5/06
(51) A63B 63/00	Yong Fan	B62B 1/12
(21) 2030892	Zhenxue Chen	(21) 2030960
(22) 11.02.2022	Rui Guo	(22) 16.02.2022
(54) A SOCCER GOAL	Haoning Zhao	(54) OUTBOARD MOTOR TROLLEY
(71) Tangshan Chenyang Sports Equipment Co., Ltd.	Yu Feng	(71) Venturama B.V.
(74) ir. M.B. Plaggenborg	Yuliang Zhao	(74) dr. ir. G.J.C. Verdijk c.s.
(72) Chunshuo Yan	Kai Wu	(72) Marco Benjamin van Rooijen
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Yanjie Yu	(51) B29C 59/02	(51) B62B 7/12
(41) 18.08.2023	B29C 59/04	B62B 7/10
(51) A63G 21/20	(21) 2030885	B62B 9/12
A63G 7/00	(22) 10.02.2022	B62B 3/02
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H02J 3/32	(71) Oerlemans Packaging B.V.	(22) 11.02.2022
A63G 21/00	(74) dr. ir. G.J.C. Verdijk c.s.	(54) Folding assembly for a cart, cart, kit of parts, use, and method
(21) 2030899	(72) Cas Veenhoven	(71) The Jiffle B.V.
(22) 11.02.2022	Robert Cecilia Petronella Verpaalen	(74) ir. H.A. Witmans c.s.
(54) A launch system for an amusement vehicle ride, as well as an amusement vehicle ride and a related method.	Rogier Quirijn Hertogh	(72) Olaf Jansen
(71) ENGIE Electroproject B.V.	Joan Hanegraaf	(41) 18.08.2023
(74) ir. A. Blokland c.s.	Nick Kimman	(51) B63B 27/10
(72) Palmiro Melis Stissi	(41) 17.08.2023	F16B 2/06
Martinus Cornelis Petrus Jonker	(51) B29D 30/00	G02B 6/50
Juan Antonio Catena Ortega	(21) 2030964	F16M 13/02
(41) 18.08.2023	(22) 16.02.2022	G01D 5/353
(51) B05B 7/24	(54) Method, system and computer program product for detecting irregularities in one or more tire components on a tire building drum	G01D 11/16
(21) 2030961	(71) VMI Holland B.V.	G01D 11/30
(22) 16.02.2022	(74) ir. F.A. Geurts c.s.	(21) 2030951
(54) Fog production unit for a vehicle, in particular a truck	(72) Dirk Hendrik van der Rhee	(22) 15.02.2022
(71) FRANS VEUGEN BEDRIJFSHYGIËNE B.V.	Cornelis Wouteres Janszen	(54) RAPID FIXING DEVICE OF OPTICAL FIBER SENSOR FOR DEEP-SEA MIXED TRANSPORTATION RISER AND LAYING METHOD
(74) ir. J.J.A.M. Keij	John van de Vrugt	(71) Ocean University of China
(72) Paul Martin Veugen		(74) ir. M.B. Plaggenborg
		(72) Liwei Yu

Shuqing Wang	(71) Tongji University	Baoxiang Wang
Xiancang Song	(74) ir. M.B. Plaggenborg	(51) C04B 35/10
Yufeng Jiang	(72) Boran Wu	C04B 35/48
(41) 21.08.2023	Xiaohu Dai	C04B 35/622
(51) B65D 5/24	Hao Wang	C04B 35/565
B65D 71/42	Xiaoli Chai	C04B 35/64
(21) 1044261	(41) 18.08.2023	(21) 2030967
(22) 14.02.2022	(51) C02F 3/00	(22) 16.02.2022
(54) Meervaksschaal uit vouwkarton	C02F 3/30	(54) METHOD FOR GRAPHENE-ASSISTED
(71) Anderling B.V.	(21) 2030968	FLASH SINTERING OF CERAMIC
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(72) Hendrik Christiaan Adolf Hoekstra	PURIFICATION DEVICE AND METHOD	(74) ir. W.J.J.M. Kempes
(51) B65G 57/30	(71) Tianjin University	(72) Juan Jiang
B65G 61/00	(74) ir. W.J.J.M. Kempes	Weiwei Xiao
B65B 35/36	(72) Jiaojiao Niu	Wei Hao
B65B 35/52	Chenggong Zhang	Na Ni
B65G 47/90	Ge Cao	Yali Yu
B65B 23/14	Yingxin Zhao	Xiaohui Fan
(21) 2030908	Zihan Du	(41) 22.08.2023
(22) 11.02.2022	(51) C02F 3/28	(51) C05G 1/00
(54) A gripper for a handling device.	(21) 2030943	A01B 79/02
(71) Royal Houdijk B.V.	(22) 15.02.2022	A01G 17/00
(74) ir. A. Blokland c.s.	(54) BIOLOGICAL ACCELERANT AND	(21) 2030980
(72) Menze Jan Buitenhuis	APPLICATION THEREOF	(22) 16.02.2022
(51) B65G 67/60	(71) Tianjin University	(54) METHOD FOR RAPIDLY RESTORING
(21) 2030950	(74) ir. W.J.J.M. Kempes	VEGETATION IN KARST ROCKY
(22) 15.02.2022	(72) Chenggong Zhang	DESERTIFIED RED BARE SOIL
(54) TRANSFER STORAGE AND	Yingxin Zhao	(71) Research Institute of Subtropical
TRANSPORTATION SYSTEM FOR	Duo Liu	Forestry, Chinese Academy of Forestry
BULK MATERIAL BARGE	Min Ji	(74) ir. M.B. Plaggenborg
(71) Taiyuan University of Science and	Xulong Jia	(72) Liang Xue
Technology	Qian Wang	Jia Wang
(74) ir. M.B. Plaggenborg	(41) 21.08.2023	Sheng Li
(72) Zhengyu Sun	(51) C02F 11/00	(41) 22.08.2023
Wenjun Meng	C10J 3/00	(51) C07C 407/00
Biao Zhang	C10J 3/72	(21) 2030946
Wei jie Yang	C10J 3/82	(22) 15.02.2022
Hong Ren	(21) 2030957	(54) NORMAL-PRESSURE TUBULAR
Hanzhong Zhang	(22) 15.02.2022	REACTOR FOR CUMENE
(51) B65H 49/28	(54) METHOD FOR PRODUCING	HYDROPEROXIDE AND PRODUCTION
B65H 59/38	HYDROGEN-RICH GAS BY	PROCESS THEREOF
B23K 9/133	GASIFICATION OF HIGH-HUMIDITY	(71) LIAONING FQZJ CO., LTD.
(21) 2030884	SLUDGE BASED ON WASTE HEAT	(74) ir. M.B. Plaggenborg
(22) 10.02.2022	RECOVERY FROM BLAST FURNACE	(72) Miao Yu
(54) Welding wire dispenser	SLAG	Song Chen
(71) Valk Welding B.V.	(71) Qingdao University of Technology	Xi Chen
(74) ir. J.C. Volmer c.s.	(74) ir. M.B. Plaggenborg	Chun Chen
(72) Alexander Nelis Verhoef	(72) Siyi Luo	(51) C07G 99/00
(41) 17.08.2023	Zongliang Zuo	C08H 99/00
(51) C01B 3/04	Dongdong Ren	(21) 2030955
(21) 2030905	(41) 21.08.2023	(22) 15.02.2022
(22) 11.02.2022	(51) C04B 28/24	(54) METHOD FOR EXTRACTING FULVIC
(54) Hybrid ammonia decomposition system	F16L 59/14	ACID FROM DIATOMITE
(71) Proton Ventures B.V.	F16L 59/04	(71) Kunming University of Science and
(74) dr. A. Ellens c.s.	B28B 21/30	Technology
(72) Giorgio Fagioli	B28B 1/52	(74) ir. M.B. Plaggenborg
Stefano de Cillis	(21) 2030947	(72) Guangming Tang
Kevin Hendrik Reindert Rouwenhorst	(22) 15.02.2022	Quanli Feng
Cheng Liang	(54) PRODUCTION METHOD FOR	(41) 21.08.2023
(41) 18.08.2023	ULTRAFINE CERAMIC FIBER COTTON	(51) C07K 7/62
(51) C02F 1/26	THERMAL INSULATION SLEEVE FOR	A61P 31/04
C02F 1/38	HEAT TRANSFER PIPELINE	A61K 38/12
(21) 2030935	(71) TANGSHAN HUAXIAN TECHNOLOGY	(21) 2030897
(22) 14.02.2022	CO., LTD	(22) 11.02.2022
(54) SOLID-LIQUID SEPARATION METHOD	(74) ir. M.B. Plaggenborg	(54) Antibiotic compounds, formulations and
FOR BIOGAS FLUID	(72) Yi Shen	methods of use
	Xiongfeng Zeng	

- (71) Universiteit Leiden  
(74) dr. A. Krebs  
(72) Nathaniel I. Martin  
Jaco Slingerland  
(41) 18.08.2023
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C12N 9/16  
C12N 15/86  
A61K 48/00  
(21) 2030945  
(22) 15.02.2022  
(54) Polyomaviral gene delivery vector particle comprising a nucleic acid sequence encoding a phosphatase activity-possessing polypeptide  
(71) Amarna Holding B.V.  
(74) ir. A. Blokland c.s.  
(72) Petrus Theodorus de Haan  
Markwin Paul Velders  
Simon Delphin Kool  
Ferdy Rudolf van Diemen  
Miguel Garcia Toscano  
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(21) 2030936  
(22) 14.02.2022  
(54) HYDROGEL WATER-RETAINING AGENT WITH ULTRA-HIGH WATER ABSORPTION RATE BASED ON PULPING WASTE LIQUID AND PREPARATION METHOD THEREOF  
(71) Dalian Polytechnic University  
(74) ir. M.B. Plaggenborg  
(72) Jian Du  
Haisong Wang  
Jie Lu  
Yehan Tao  
Yi Cheng  
Yi Meng
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C08G 18/66  
C09D 7/62  
C09D 163/02  
C08G 18/38  
C08G 18/48  
C09D 7/65  
(21) 2030913  
(22) 11.02.2022  
(54) PREPARATION AND APPLICATION METHOD OF SELF-REPAIRING FLAME-RETARDANT, MOLTEDROP-RESISTANT AND ABRASION-RESISTANT POLYURETHANE COATING  
(71) YANTAI UNIVERSITY  
(74) ir. M.B. Plaggenborg  
(72) Zhihai Tang  
Fenghao Zhang  
Quanjie Wang  
Lianxiang Feng  
Qiyan Wang  
Baorong Duan  
Han Yu  
Guorong Li  
Yonggen Weng  
Lecheng Hu  
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(22) 15.02.2022  
(54) CONCENTRATED LAUNDRY DETERGENT AND PREPARATION METHOD THEREOF  
(71) Shanghai Beiyu Information Technology Co., Ltd.  
(74) ir. M.B. Plaggenborg  
(72) Yuanshu Tang  
Jingcheng Huang  
Jiayuan Qiu  
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(21) 2030925  
(22) 14.02.2022  
(54) Method and device for biological production of sulfuric acid.  
(71) Bonno Koers  
(74) ir. F.A. Geurts c.s.  
(72) Bonno Koers  
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- (51) C12N 15/52  
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(21) 2031120  
(22) 01.03.2022  
(54) ENGINEERED ALPHA-GUAIENE SYNTHASES  
(71) Sestina Bio, LLC  
(74) dr. ir. G.J.C. Verdijck c.s.  
(72) Karolina Kalbarczyk  
(31) 63/310,976  
(32) 16.02.2022  
(33) United States of America
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(21) 2030888  
(22) 10.02.2022  
(54) ULTRALOW-TEMPERATURE STAINLESS STEEL PIPE FITTING MATERIAL AND PREPARATION METHOD THEREOF  
(71) ZHEJIANG JINDIA PIPELINE INDUSTRY CO., LTD.  
(74) ir. M.B. Plaggenborg  
(72) Liang Wang  
Zhonghua Wang  
Hui Zhou  
Bingshun Wang  
Wujun Yang  
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F01N 9/00  
C25B 1/22  
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(21) 2030903  
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(71) Technische Universiteit Delft  
(74) dr. A. Ellens c.s.  
(72) Sorin Bunea  
Atsushi Urakawa  
(41) 18.08.2023
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(21) 2030969  
(22) 16.02.2022  
(54) SILK PROCESSING METHOD  
(71) DH SILCO ENTERPRISE CO., LTD.  
(74) ir. W.J.J.M. Kempes  
(72) Jian Zheng  
Zhaozhong Hou  
Wenkai Jiang
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F21V 33/00  
(21) 2030895  
(22) 11.02.2022  
(54) ROAD AND BRIDGE SELF-PROPELLED SURVEY DEVICE FOR CIVIL ENGINEERING  
(71) North University of China  
(74) ir. W.J.J.M. Kempes  
(72) Xiaoshuang Zhang  
Mengqi Zhang  
Zhiyi Zhao  
Haodong Zhang  
Yanli Dong  
Lifeng Zheng  
Zhaopeng Zhang  
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(54) A vessel  
(71) IQIP Holding B.V.  
(74) ir. A.R. Aalbers  
(72) André van Tol  
Klaas-Jan Mulderij  
Quintus Wilhelmus Petrus Maria Zuijdgeest  
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F16K 31/53  
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(54) Integrated water tap with multiple outlet flow  
(71) Hebei Branch of Construction and Administration Bureau of South-of-North Water Diversion Middle Route Project  
Hebei University of Engineering  
Hohai University  
(74) ir. W.J.J.M. Kempes  
(72) Lixin He  
Jing Ma  
Ziyuan Wang  
Yu Dai

Tao Du	Jannick Daniël Wijntjes	Xiating Feng
Rulan Lv	Léo Brière	Chuan Wang
Qinghua Luan	Peter Alexander Hamming	Zaobao Liu
Huan Xu	Tom Adriaan Jansen	Ming Wu
Yunchao Huo	Marinus Jacobus Maria van Zuijlen	Hongjie Chen
(41) 18.08.2023	Meindert Jan Solkesz	(51) G01N 3/18
(51) E06B 9/42	Stefan Fritz Brouwer	G01N 15/08
(21) 2032623	François Roderik Henri Bouaziz	G01N 3/02
(22) 27.07.2022	(41) 18.08.2023	G01N 3/24
(54) A roller blind system and installation method	(51) F17D 5/06	(21) 2030932
(71) Kindow B.V.	F17D 5/00	(22) 14.02.2022
(74) ir. M. van der Velden	(21) 2030963	(54) HIGH-TEMPERATURE AND HIGH-PRESSURE DIRECT SHEAR FRACTURE SEEPAGE COUPLING TESTING DEVICE FOR ROCK
(72) Ritske Johannes van Leeuwen	(22) 16.02.2022	(71) Northeastern University
Sam Kin	(54) SAFETY PROTECTION EARLY-WARNING SYSTEM FOR NATURAL GAS RISERS OF HIGH-RISE BUILDINGS	(74) ir. M.B. Plaggenborg
(31) 2031003	(71) Beibu Gulf University	(72) Liang Hao
(32) 17.02.2022	(74) dr. T. Wittop Koning PhD	Hang Li
(33) Netherlands	(72) Jinlu Liang	Tao Feng
(51) E21F 15/00	Xiaoyu Huang	Xiating Feng
E21F 15/04	Rongjian Wang	Binhui Liu
E21F 15/08	Donglin Xie	Jianyu Xu
(21) 2030914	Haixin Shi	Zaobao Liu
(22) 11.02.2022	(31) 202210131656.1	Ming Wu
(54) GANGUE FILLING-GROUTING REINFORCEMENT DEEP WELL COAL-PILLAR-FREE GOB-SIDE ENTRY RETAINING CONSTRUCTION PROCESS	(32) 11.02.2022	(51) G01N 15/08
(71) China University of Mining and Technology	(33) China	G01N 33/28
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(72) Hai Pu	G01K 15/00	(22) 30.01.2023
Chunxiao Zhao	(21) 2030920	(54) CARBON DIOXIDE FLOODING WELL PATTERN DISPLACEMENT VISUALIZATION PHYSICAL SIMULATION EXPERIMENT DEVICE FOR HETEROGENEOUS OIL RESERVOIR
Bingxiang Huang	(22) 11.02.2022	(71) China University of Petroleum (East China)
Yinlong Lu	(54) CHAIN PLATE TYPE EFFICIENT ELECTRONIC THERMOMETER INDICATION ERROR VERIFICATION DEVICE AND METHOD	(74) ir. W.J.J.M. Kempes
Qi Wang	(71) CHINA JILIAN UNIVERSITY	(72) Chuazhi Cui
Qingbin Meng	(74) ir. M.B. Plaggenborg	Yin Qian
Minghe Ju	(72) Bingyi Chen	Yingfei Sui
Liyuan Wei	Tao Zeng	Shuiqingshan Lu
Yang Hao	Le Chen	Jing Li
Qiangling Yao	Long Liu	Zhongwei Wu
Yanlong Chen	Hao Wu	Tongyu Yao
Jiangfeng Liu	(41) 18.08.2023	Dawei Yan
Jiangyu Wu	(51) G01N 1/20	(31) 202210143756 .6
Gang Wang	G01N 33/04	(32) 17.02.2022
Shibao Shen	A01J 5/04	(33) China
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F16B 41/00	(22) 10.02.2022	G01N 21/78
(21) 2030958	(54) Melkbemonsteringsinrichting, systeem, werkwijze en gebruik	C12Q 1/46
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(54) SPRING CLIP	(74) ir. H.A. Witmans c.s.	(22) 10.02.2022
(71) J. van Walraven Holding B.V.	(72) Jort Johannes Wilhelmus Schutte	(54) VISUAL COLORIMETRIC DETECTION METHOD OF ORGANOPHOSPHORUS PESTICIDES
(74) ir. J.C. Volmer c.s.	Edwin Schäperclaus	(71) Changsha University of Science & Technology
(72) Marek Juzak	Rudie Jan Hendrik Lammers	(74) ir. M.B. Plaggenborg
Frank Nijdam	(41) 17.08.2023	(72) Ronghua Yang
(51) F16H 1/16	(51) G01N 3/04	Zhihe Qing
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F16H 55/24	(21) 2030931	(41) 17.08.2023
(21) 2030921	(22) 14.02.2022	(51) G01N 21/88
(22) 14.02.2022	(54) HIGH-TEMPERATURE HIGH-STRESS TRUE TRIAXIAL TEST DEVICE AND METHOD	(21) 2030949
(54) Adjustment mechanism and adjustment device comprising such adjustment mechanism	(71) Northeastern University	(22) 15.02.2022
(71) MCi (Mirror Controls International) Netherlands B.V.	(74) ir. M.B. Plaggenborg	(54) BRIDGE DETECTOR
(74) ir. H.A. Witmans c.s.	(72) Wanqing Shen	
(72) Yi Song	Jianfu Shao	
Justin Fransen	Tao Feng	

(71) Beijing Institute of Technology	(54) IMPLEMENTATIONS AND METHODS FOR PROCESSING NEURAL NETWORK IN SEMICONDUCTOR HARDWARE	63/310493
(74) ir. M.B. Plaggenborg		(32) 28.11.2022
(72) Shaohua Niu		15.02.2022
Jieyou Ge		(33) United States of America
Li Sui	(62) 2031771 (04.05.2022)	United States of America
Gan Zhan	(71) Uniquify, Inc.	(51) G16B 20/20
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(54) TIME-SPACE DYNAMIC MONITORING METHOD OF COUNTY SOIL EROSION BASED ON REMOTE SENSING AND GIS	63/184,576	(54) RISK PREDICTION METHOD FOR IMPROVING DIAGNOSIS ACCURACY RATE OF ACUTE EXACERBATION STATE OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE
(71) Jiaying University	(32) 29.04.2022	(71) Institute of Basic Medicine, Chinese Academy of Medical Sciences
(74) ir. M.B. Plaggenborg	05.05.2021	
(72) Zhiqiang Liao	05.05.2021	(74) ir. M.B. Plaggenborg
Yonghe Hao	(33) United States of America	(72) Yi Xiao
Yu Zhang	United States of America	Huiyuan Hu
(41) 18.08.2023	United States of America	Zhifa Han
(51) G01V 1/28	(51) G06N 10/40	Linfan Su
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(54) SPARSITY ADAPTIVE IRREGULAR SEISMIC DATA RECONSTRUCTION METHOD	(21) 2030907	F24S 25/613
(71) Institute of Geology and Geophysics, Chinese Academy of Sciences	(22) 11.02.2022	(21) 2030923
(74) ir. M.B. Plaggenborg	(54) Quantum computing apparatus with interposer, method of fabrication thereof, method of performing a quantum computing operation, quantum computing apparatus comprising tantalum nitride and a method of fabrication thereof	(22) 14.02.2022
(72) Shengqiang Mu	(71) QuantWare Holding B.V.	(54) Bevestigingsinrichting, dakhaak, montagerail en werkwijze voor de bevestiging van objecten op een dak
Xuhui Zhou	(74) drs. W.H.P. Derks	(71) Van der Valk Systemen B.V.
Guoxu Shu	(72) Matthijs Rijlaarsdam	(74) dr. R.C. van Duijvenbode c.s.
Jiaru Zou	Alessandro Bruno	(72) Vincent Prins
Shoudong Huo	Sophia Vlaar	(41) 18.08.2023
Liang Huang	(41) 18.08.2023	(51) H03H 9/02
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E21B 47/00	(54) METHOD AND SYSTEM OF MAINTENANCE TASK SCHEDULING	(54) Single crystal ferroelectric thin film acoustic wave resonator
E21B 49/08	(71) Army Academy of Armored forces of PLA	(71) Technische Universiteit Delft
G01N 15/08	(74) ir. M.B. Plaggenborg	(74) drs. P.A. van Essen c.s.
(21) 2030948	(72) Wei Shao	(72) Herre Sjoerd Jan van der Zant
(22) 15.02.2022	Lulu Fang	Martin Lee
(54) METHOD OF PREDICTING A RELATIVE PERMEABILITY CURVE BASED ON MACHINE LEARNING	Xixi Wu	Edouard Lesne
(71) Institute of Geology and Geophysics, Chinese Academy of Sciences	Lianjun Zhu	Andrea Caviglia
(74) ir. M.B. Plaggenborg	Yan Sun	Šiškins Makars
(72) Liang Huang	Jie Cheng	Peter Gerard Steeneken
Jiaru Zou	Xianzhu Zheng	(41) 21.08.2023
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Shoudong Huo	Junqi Li	G06F 21/56
Shengqiang Mu	(41) 18.08.2023	(21) 2031256
Xuhui Zhou	(51) G06Q 30/0217	(22) 11.03.2022
(41) 21.08.2023	G06Q 30/0601	(54) Method and computing device for detection of target malicious web resource
(51) G06N 3/048	(21) 2034153	(71) GROUP-IB GLOBAL PRIVATE LIMITED
G06N 3/0495	(22) 15.02.2023	(74) ir. A.R. Aalbers
G06F 5/01	(54) AI PERSONAL FRAGRANCE CONSULTATION AND FRAGRANCE SELECTION/RECOMMENDATION	(72) Ilia Rozhnov
G06F 7/483	(71) COTY Inc	(41) 18.08.2023
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(21) 2035521	Sophie Raviot-Derrien	(33) Singapore
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	Michael John Baker	
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## NP2

**Ingeschreven en verleende octrooien op grond van de Octrooiwet 1995.  
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(11) 2030918 (47) 18.08.2023 (22) 11.02.2022	(72) Hongxia Xu Qiong Wang Huimin Pei Junwei Chen Li Wang Xiaoying Li Yimin Yin	(74) ir. M.B. Plaggenborg
(54) INTELLIGENT FIELD WATER- SAVING IRRIGATION CONTROL SYSTEM AND CONTROL METHOD THEREOF	(74) ir. M.B. Plaggenborg	(51) A23N 4/12 A23N 15/00
(73) Hulunbuir Institute of Ecological Industry and Technology Hulunbuir Agricultural Reclamation Technology Development Co., Ltd.	(51) A01K 61/95 B63B 35/26 A01K 61/60	(11) 2030959 (47) 22.08.2023 (22) 16.02.2022
(72) Jiaojiao Bai Bing Fan Jianxi Hao Yuling Yuan	(11) 2031510 (47) 22.08.2023 (22) 05.04.2022	(54) A system and a method for removing at least one part from a vegetable piece
(74) ir. M.B. Plaggenborg	(54) DEVICE AND METHOD FOR FEEDING FRIES INTO TANK AND DISCHARGING ADULT FISH OUT OF TANK FROM SIDE OF AQUACULTURE WORK BOAT	(73) Sormac B.V. (72) Hubertus Ernest Ferdinand Marie Haffmans (74) ir. A. Blokland c.s.
(51) A01C 1/00 (11) 2030916 (47) 18.08.2023 (22) 11.02.2022	(73) Fishery Machinery and Instrument Research Institute, Chinese Academy of Fishery Sciences	(51) A23P 20/10 (11) 2030910 (47) 18.08.2023 (22) 11.02.2022
(54) METHOD FOR PROMOTING GERMINATION OF SEED OF ALISMATACEAE AFTER STORAGE	(72) Mingchao Cui Chuntao Zhang Qingwei Wang	(54) BONDING COMPOSITION FOR A VEGETARIAN OR VEGAN FOODSTUFF
(73) Kunming Institute of Botany, Chinese Academy of Sciences	(74) ir. M.B. Plaggenborg	(73) Hanze Food B.V. (72) Thomas Alberts-Renssen (74) dr. T. Hubregtse
(72) Xiaojian Hu Juan Yang Meijuan Li Xiangyun Yang Ting Zhang Shaofa Qin Hui Li	(31) 202210042914.9 (32) 14.01.2022 (33) China	(51) A47L 9/14 (11) 2030909 (47) 18.08.2023 (22) 11.02.2022
(74) ir. M.B. Plaggenborg	(51) A01K 63/00 A01G 31/02 A01K 63/04	(54) A dust container for a vacuum cleaner
(51) A01C 3/02 A01C 23/04 A01K 1/01	(11) 2030941 (47) 21.08.2023 (22) 15.02.2022	(73) TeCo Holding B.V. (74) ir. A. Blokland c.s.
(11) 2030937 (47) 21.08.2023 (22) 15.02.2022	(54) ECOLOGICAL INTELLIGENT INDOOR VERTICAL PLANTING WALL AND CULTIVATION METHOD THEREOF	(51) A61B 5/01 (11) 2030926 (47) 18.08.2023 (22) 14.02.2022
(54) Bemestingssysteem, stal en samenstel van een veldbewerkingsvoertuig en een bemestingssysteem	(73) YUNNAN UNIVERSITY Flower Research Institute, Yunnan Academy of Agricultural Sciences Siwei Ecological Technology (Hangzhou) Co., Ltd.	(54) FIELD BODY TEMPERATURE SCREENING DEVICE AND METHOD FOR EPIDEMIC PREVENTION AND CONTROL GATE
(73) Lely Patent N.V.	(72) Lihua Wang Zhenhong Lu Yanfei Cai Hao Zhang Da Zhang Xuewei Wu	(73) CHINA JILIANG UNIVERSITY (72) Tianhua Gu Le Chen (74) ir. M.B. Plaggenborg
(72) Willem Gijsbert Adriaan Duiveman Karel van den Berg Korstiaan Cornelis Blokland Arie Huyzer	(74) ir. W.J.J.M. Kempes	(51) A61B 5/11 A61M 5/30
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(51) A01G 17/00 (11) 2030034 (47) 17.08.2023 (22) 03.12.2021	(74) ir. W.J.J.M. Kempes	(54) Material characterization method
(54) METHOD FOR PREVENTING GREENHOUSE LOQUAT FRUIT FROM FREEZING INJURE AT EXTREME COLD TEMPERATURE AND PROMOTING EARLY RIPENING	(11) 2030930 (47) 18.08.2023 (22) 14.02.2022	(73) Universiteit Twente (72) David Fernandez Rivas Miguel Angel Quetzeri Santiago (74) dr. A. Ellens c.s.
	(54) COMPOSITE PEANUT BUTTER AND PREPARATION METHOD THEREOF	(51) A61K 36/00 A61P 13/04 A61K 35/57 A61K 35/10
	(73) Shanxi Agricultural University	(11) 2030912 (47) 18.08.2023

(22) 11.02.2022	(54) Fog production unit for a vehicle, in particular a truck	one or more tire components on a tire building drum
(54) COMPOSITION FOR TREATING URINARY CALCULUS AND PREPARATION METHOD THEREOF	(73) FRANS VEUGEN BEDRIJFSHYGIËNE B.V.	(73) VMI Holland B.V.
(73) Zhigang Wang	(72) Paul Martin Veugen	(72) Dirk Hendrik van der Rhee
(72) Jianwen Ge	Franciscus Jacobus Petrus Paulus Veugen	Cornelis Wouteres Janszen
Xia Yang	Rob Andries Veugen	John van de Vrugt
Zhigang Wang	(74) ir. J.J.A.M. Keij	(74) ir. F.A. Geurts c.s.
(74) ir. M.B. Plaggenborg	(51) B23B 41/02	(51) B32B 15/01
(51) A61L 9/20	B23B 51/06	B32B 15/18
(11) 1044260	(11) 2030970	B32B 3/30
(47) 22.08.2023	(47) 22.08.2023	B32B 27/06
(22) 16.02.2022	(22) 16.02.2022	B32B 27/28
(54) Air cleaning apparatus	(54) BOORINRICHTING EN WERKWIJZE VOOR HET BOREN VAN GATEN IN EEN STOFFPAKKET VAN EEN RAAMBEKLEDING	(11) 2030953
(73) Gemex Consultancy BV	(73) COULISSE B.V.	(47) 21.08.2023
(72) Johannes Otto Rooymans	(72) Bram Starren	(22) 15.02.2022
(51) A61P 35/00	Ruben Hubert Jan de Vries	(54) BI-DIRECTION CROSS CORRUGATED SANDWICH STRUCTURE
A61K 31/407	Maarten Petrus Maria Janssens	(73) Beijing Institute of Technology
C07D 491/048	Bastiaan Franciscus Klein Tuinte	(72) Huimin Li
(11) 2029459	(74) drs. C.H. Mink-Lindenburg	Tianyi Feng
(47) 17.08.2023	(51) B25J 13/00	Lei Zhou
(22) 19.10.2021	B25J 3/00	Lei Ge
(54) TETRAHYDROFURO(2,3-B) INDOLINE COMPOUND, PREPARATION METHOD AND APPLICATION THEREOF	(11) 2030889	Baosheng Liu
(73) INSTITUTE OF NEW MATERIALS & INDUSTRY TECHNOLOGY, WENZHOU UNIVERSITY	(47) 17.08.2023	Daining Fang
(72) Pengcheng Qian	(22) 10.02.2022	Haoran Su
Long Li	(54) SIX-DEGREES-OF-FREEDOM ROBOTIC ARM FORCE FEEDBACK TELEOPERATION MASTER MANIPULATOR	(74) ir. M.B. Plaggenborg
Longwu Ye	(73) Shandong University	(51) B62B 5/06
(74) ir. M.B. Plaggenborg	(72) Shaolei Wu	B62B 1/12
(31) 202110251144.4	Xuewen Rong	(11) 2030960
(32) 08.03.2021	Yong Li	(47) 22.08.2023
(33) China	Desheng Ma	(22) 16.02.2022
(51) A63B 63/00	Ruimin Luo	(54) OUTBOARD MOTOR TROLLEY
(11) 2030892	Yong Fan	(73) Venturama B.V.
(47) 18.08.2023	Zhenxue Chen	(72) Marco Benjamin van Rooijen
(22) 11.02.2022	Rui Guo	(74) dr. ir. G.J.C. Verdijck c.s.
(54) A SOCCER GOAL	Haoning Zhao	(51) B62B 7/12
(73) Tangshan Chenyang Sports Equipment Co., Ltd.	Yu Feng	B62B 7/10
(72) Chunshuo Yan	Yuliang Zhao	B62B 9/12
Rongdi Yu	Kai Wu	B62B 3/02
Yanjie Yu	(74) ir. M.B. Plaggenborg	(11) 2030906
(74) ir. M.B. Plaggenborg	(51) B29C 59/02	(47) 18.08.2023
(51) A63G 21/20	B29C 59/04	(22) 11.02.2022
A63G 7/00	(11) 2030885	(54) Folding assembly for a cart, cart, kit of parts, use, and method
H02J 7/34	(47) 17.08.2023	(73) The Jiffle B.V.
H02J 3/32	(22) 10.02.2022	(72) Olaf Jansen
A63G 21/00	(54) METHOD FOR THE PRODUCTION OF AN EMBOSSED POLYMER FILM	(74) ir. H.A. Witmans c.s.
(11) 2030899	(73) Oerlemans Packaging B.V.	(51) B63B 27/10
(47) 18.08.2023	(72) Cas Veenhoven	F16B 2/06
(22) 11.02.2022	Robert Cecilia Petronella Verpaalen	G02B 6/50
(54) A launch system for an amusement vehicle ride, as well as an amusement vehicle ride and a related method.	Rogier Quirijn Hertogh	F16M 13/02
(73) ENGIE Electroproject B.V.	Joan Hanegraaf	G01D 5/353
(72) Palmiro Melis Stissi	Nick Kimman	G01D 11/16
Martinus Cornelis Petrus Jonker	(74) dr. ir. G.J.C. Verdijck c.s.	G01D 11/30
Juan Antonio Catena Ortega	(51) B29D 30/00	(11) 2030951
(74) ir. A. Blokland c.s.	(11) 2030964	(47) 21.08.2023
(51) B05B 7/24	(47) 22.08.2023	(22) 15.02.2022
(11) 2030961	(22) 16.02.2022	(54) RAPID FIXING DEVICE OF OPTICAL FIBER SENSOR FOR DEEP-SEA MIXED TRANSPORTATION RISER AND LAYING METHOD
(47) 22.08.2023	(54) Method, system and computer program product for detecting irregularities in	(73) Ocean University of China
(22) 16.02.2022		(72) Liwei Yu
		Shuqing Wang
		Xianchang Song
		Yufeng Jiang
		(74) ir. M.B. Plaggenborg

(51) B63H 5/14 B63B 1/40	B23K 9/133	B28B 21/30
(11) 2030859	(11) 2030884	B28B 1/52
(47) 17.08.2023	(47) 17.08.2023	(11) 2030947
(22) 09.02.2022	(22) 10.02.2022	(47) 21.08.2023
(54) VAARTUIG EN WERKWIJZE DAARVOOR	(54) Welding wire dispenser	(22) 15.02.2022
(73) Anno Maria Galama	(73) Valk Welding B.V.	(54) PRODUCTION METHOD FOR ULTRAFINE CERAMIC FIBER COTTON
Hermannes Wassink	(72) Alexander Nelis Verhoef	THERMAL INSULATION SLEEVE FOR HEAT TRANSFER PIPELINE
(72) Anno Maria Galama	(74) ir. J.C. Volmer c.s.	(73) TANGSHAN HUAXIAN TECHNOLOGY CO., LTD
(74) dr. ir. G.J.C. Verdijck c.s.	(51) C01B 3/04	(72) Yi Shen
(51) B65B 25/02	(11) 2030905	Xiongfeng Zeng
B65G 47/22	(47) 18.08.2023	Baoxiang Wang
B65B 5/06	(22) 11.02.2022	(74) ir. M.B. Plaggenborg
B65G 65/00	(54) Hybrid ammonia decomposition system	(51) C04B 35/10
A01G 9/08	(73) Proton Ventures B.V.	C04B 35/48
(11) 2034036	(72) Giorgio Fagioli	C04B 35/622
(47) 21.08.2023	Stefano de Cillis	C04B 35/565
(22) 26.08.2021	Kevin Hendrik Reindert Rouwenhorst	C04B 35/64
(54) INRICHTING VOOR HET AANDRUKKEN VAN BOLGEWASSEN EN WERKWIJZE DAARVOOR	Cheng Liang	(11) 2030967
(62) 2029063 (26.08.2021)	(74) dr. A. Ellens c.s.	(47) 22.08.2023
(73) Mark Jacob van der Peet	(51) C02F 1/26	(22) 16.02.2022
(72) Mark Jakob van der Peet	C02F 1/38	(54) METHOD FOR GRAPHENE-ASSISTED FLASH SINTERING OF CERAMIC MATERIALS AT ROOM TEMPERATURE
(74) dr. ir. G.J.C. Verdijck c.s.	(11) 2030935	(73) Shanghai Jiao Tong University
(51) B65D 5/24	(47) 18.08.2023	(72) Juan Jiang
B65D 71/42	(22) 14.02.2022	Weiwei Xiao
(11) 1044261	(54) SOLID-LIQUID SEPARATION METHOD FOR BIOGAS FLUID	Wei Hao
(47) 18.08.2023	(73) Tongji University	Na Ni
(22) 14.02.2022	(72) Boran Wu	Yali Yu
(54) Meervaksschaal uit vouwkarton	Xiaohu Dai	Xiaohui Fan
(73) Anderling B.V.	Hao Wang	(74) ir. W.J.J.M. Kempes
Snel Industrie voor Karton en Papierveredeling B.V.	Xiaoli Chai	(51) C05G 1/00
(72) Hendrik Christiaan Adolf Hoekstra	(74) ir. M.B. Plaggenborg	A01B 79/02
(51) B65G 57/30	(51) C02F 3/28	A01G 17/00
B65G 61/00	(11) 2030943	(11) 2030980
B65B 35/36	(47) 21.08.2023	(47) 22.08.2023
B65B 35/52	(22) 15.02.2022	(22) 16.02.2022
B65G 47/90	(54) BIOLOGICAL ACCELERANT AND APPLICATION THEREOF	(54) METHOD FOR RAPIDLY RESTORING VEGETATION IN KARST ROCKY DESERTIFIED RED BARE SOIL
B65B 23/14	(73) Tianjin University	(73) Research Institute of Subtropical Forestry, Chinese Academy of Forestry
(11) 2030908	(72) Chenggong Zhang	(72) Liang Xue
(47) 18.08.2023	Yingxin Zhao	Jia Wang
(22) 11.02.2022	Duo Liu	Sheng Li
(54) A gripper for a handling device.	Min Ji	(74) ir. M.B. Plaggenborg
(73) Royal Houdijk B.V.	Xulong Jia	(51) C07C 407/00
(72) Menze Jan Buitenhuis	Qian Wang	(11) 2030946
(74) ir. A. Blokland c.s.	(74) ir. W.J.J.M. Kempes	(47) 21.08.2023
(51) B65G 67/60	(51) C02F 11/00	(22) 15.02.2022
(11) 2030950	C10J 3/00	(54) NORMAL-PRESSURE TUBULAR REACTOR FOR CUMENE HYDROPEROXIDE AND PRODUCTION PROCESS THEREOF
(47) 21.08.2023	C10J 3/72	(73) LIAONING FQZJ CO., LTD.
(22) 15.02.2022	C10J 3/82	(72) Miao Yu
(54) TRANSFER STORAGE AND TRANSPORTATION SYSTEM FOR BULK MATERIAL BARGE	(11) 2030957	Song Chen
(73) Taiyuan University of Science and Technology	(47) 21.08.2023	Xi Chen
(72) Zhengyu Sun	(22) 15.02.2022	Chun Chen
Wenjun Meng	(54) METHOD FOR PRODUCING HYDROGEN-RICH GAS BY GASIFICATION OF HIGH-HUMIDITY SLUDGE BASED ON WASTE HEAT RECOVERY FROM BLAST FURNACE SLAG	(74) ir. M.B. Plaggenborg
Biao Zhang	(73) Qingdao University of Technology	(51) C07G 99/00
Weijie Yang	(72) Siyi Luo	C08H 99/00
Hong Ren	Zongliang Zuo	(11) 2030955
Hanzhong Zhang	Dongdong Ren	(47) 21.08.2023
(74) ir. M.B. Plaggenborg	(74) ir. M.B. Plaggenborg	(22) 15.02.2022
(51) B65H 49/28	(51) C04B 28/24	
B65H 59/38	F16L 59/14	
	F16L 59/04	



(54) METHOD FOR EXTRACTING FULVIC ACID FROM DIATOMITE	DROP-RESISTANT AND ABRASION-RESISTANT POLYURETHANE COATING	(22) 01.03.2022
(73) Kunming University of Science and Technology	(73) YANTAI UNIVERSITY	(54) ENGINEERED ALPHA-GUAIENE SYNTHASES
(72) Guangming Tang	(72) Zihai Tang	(73) Sestina Bio, LLC
Quanli Feng	Fenghao Zhang	(72) Karolina Kalbarczyk
(74) ir. M.B. Plaggenborg	Quanjie Wang	(74) dr. ir. G.J.C. Verdijck c.s.
(51) C07K 7/62	Lianxiang Feng	(31) 63/310,976
A61P 31/04	Qiyang Wang	(32) 16.02.2022
A61K 38/12	Baorong Duan	(33) United States of America
(11) 2030897	Han Yu	(51) C21D 8/10
(47) 18.08.2023	Guorong Li	C22C 38/00
(22) 11.02.2022	Yonggen Weng	C22C 38/02
(54) Antibiotic compounds, formulations and methods of use	Lecheng Hu	C22C 38/42
(73) Universiteit Leiden	(74) ir. M.B. Plaggenborg	C22C 38/54
(72) Nathaniel I. Martin	(51) C11D 11/00	C22C 38/58
Jaco Slingerland	C11D 17/00	C22C 33/04
(74) dr. A. Krebs	C11D 1/94	(11) 2030888
(51) C07K 14/705	(11) 2030952	(47) 17.08.2023
C12N 9/16	(47) 21.08.2023	(22) 10.02.2022
C12N 15/86	(22) 15.02.2022	(54) ULTRALOW-TEMPERATURE STAINLESS STEEL PIPE FITTING MATERIAL AND PREPARATION METHOD THEREOF
A61K 48/00	(54) CONCENTRATED LAUNDRY DETERGENT AND PREPARATION METHOD THEREOF	(73) ZHEJIANG INDIA PIPELINE INDUSTRY CO., LTD.
(11) 2030945	(73) Shanghai Beiyu Information Technology Co., Ltd.	(72) Liang Wang
(47) 21.08.2023	(72) Yuanshu Tang	Zhonghua Wang
(22) 15.02.2022	Jingcheng Huang	Hui Zhou
(54) Polyomaviral gene delivery vector particle comprising a nucleic acid sequence encoding a phosphatase activity-possessing polypeptide	Jiayuan Qiu	Bingshun Wang
(73) Amarna Holding B.V.	(74) ir. M.B. Plaggenborg	Wujun Yang
(72) Petrus Theodorus de Haan	(51) C12C 7/26	(74) ir. M.B. Plaggenborg
Markwin Paul Velders	C12C 7/20	(51) C25B 1/01
Simon Delphin Kool	C12C 7/053	C25B 1/27
Ferdy Rudolf van Diemen	C12C 5/04	F01N 9/00
Miguel Garcia Toscano	C12C 12/00	C25B 1/22
(74) ir. A. Blokland c.s.	C12C 7/04	C25B 9/23
(51) C08F 22/0/06	(11) 2033962	(11) 2030903
(11) 2030936	(47) 21.08.2023	(47) 18.08.2023
(47) 18.08.2023	(22) 16.01.2023	(22) 11.02.2022
(22) 14.02.2022	(54) ANTHOCYANIN-RICH GRAPE ALE BEER AND BREWING METHOD THEREOF	(54) System and method for converting a nitrogen oxide to a nitrogen product
(54) HYDROGEL WATER-RETAINING AGENT WITH ULTRA-HIGH WATER ABSORPTION RATE BASED ON PULPING WASTE LIQUID AND PREPARATION METHOD THEREOF	(73) Northwest A & F University	(73) Technische Universiteit Delft
(73) Dalian Polytechnic University	(72) Cuiyan Zeng	(72) Sorin Bunea
(72) Jian Du	Kekun Zhang	Atsushi Urakawa
Haisong Wang	Yuting Fan	(74) dr. A. Ellens c.s.
Jie Lu	Zhihao Li	(51) D01B 7/00
Yehan Tao	Yulin Fang	D01B 7/04
Yi Cheng	Keqin Chen	(11) 2030969
Yi Meng	(74) ir. W.J.J.M. Kempes	(47) 22.08.2023
(74) ir. M.B. Plaggenborg	(31) 202210068696.6	(22) 16.02.2022
(51) C09D 175/08	(32) 20.01.2022	(54) SILK PROCESSING METHOD
C09D 5/18	(33) China	(73) DH SILCO ENTERPRISE CO., LTD.
C08G 18/66	(51) C12M 1/00	(72) Jian Zheng
C09D 7/62	C12P 3/00	Zhaozhong Hou
C09D 163/02	C12M 1/12	Wenkai Jiang
C08G 18/38	(11) 2030925	(74) ir. W.J.J.M. Kempes
C08G 18/48	(47) 18.08.2023	(51) E01D 19/10
C09D 7/65	(22) 14.02.2022	F21V 33/00
(11) 2030913	(54) Method and device for biological production of sulfuric acid.	(11) 2030895
(47) 18.08.2023	(73) Bonno Koers	(47) 18.08.2023
(22) 11.02.2022	(72) Bonno Koers	(22) 11.02.2022
(54) PREPARATION AND APPLICATION METHOD OF SELF-REPAIRING FLAME-RETARDANT, MOLTEN-	(74) ir. F.A. Geurts c.s.	(54) ROAD AND BRIDGE SELF-PROPELLED SURVEY DEVICE FOR CIVIL ENGINEERING
	(51) C12N 15/52	(73) North University of China
	C12P 5/00	(72) Xiaoshuang Zhang
	(11) 2031120	Mengqi Zhang
	(47) 22.08.2023	Zhiyi Zhao

Haodong Zhang	Yanlong Chen	(51) G01K 11/24
Yanli Dong	Jiangfeng Liu	F23N 5/16
Lifeng Zheng	Jiangyu Wu	F23J 3/02
Zhaopeng Zhang	Gang Wang	(11) 2033521
Feifei Yan	Shibao Shen	(47) 17.08.2023
Yuanlong Wang	(74) ir. M.B. Plaggenborg	(22) 14.11.2022
Yunshan Han	(51) F16B 5/02	(54) ACOUSTIC PYROMETRY SYSTEM
Weipeng Pei	F16M 7/00	FOR FURNACE SOOT BLOWING
(74) ir. W.J.J.M. Kempes	(11) 2030533	(73) Shaanxi Dainan New Energy Engineering
(51) E02D 13/08	(47) 18.08.2023	Co., Ltd.
F03D 13/10	(22) 13.01.2022	Shanxi Datang International Yungang
B63B 35/00	(54) Adjustable levelling pad	Thermal Power Co., Ltd.
F03D 13/40	(73) Aktiebolaget SKF	(72) Rui Zhao
(11) 2030893	(72) Abraham Hendrik Hooghart	Zhiqiang Li
(47) 18.08.2023	Rene Vermeulen	Hongbin Gu
(22) 11.02.2022	(74) J. Hoekstra	Jiayu Wang
(54) A vessel	(31) 102021102113.8	Riliang Peng
(73) IQIP Holding B.V.	(32) 29.01.2021	(74) ir. M.B. Plaggenborg
(72) André van Tol	(33) Germany	(31) 202111381108.6
Klaas-Jan Mulderij	(51) F16B 7/18	(32) 20.11.2021
Quintus Wilhelmus Petrus Maria	F16B 41/00	(33) China
Zuijdgeest	(11) 2030958	(51) G01N 1/20
(74) ir. A.R. Aalbers	(47) 22.08.2023	G01N 33/04
(51) E03C 1/05	(22) 16.02.2022	A01J 5/04
F16K 31/53	(54) SPRING CLIP	(11) 2030882
(11) 2030900	(73) J. van Walraven Holding B.V.	(47) 17.08.2023
(47) 18.08.2023	(72) Marek Juzak	(22) 10.02.2022
(22) 11.02.2022	Frank Nijdam	(54) Melkbemonsteringsinrichting, systeem,
(54) Integrated water tap with multiple outlet	(74) ir. J.C. Volmer c.s.	werkwijze en gebruik
flow	(51) F16H 1/16	(73) Nedap N.V.
(73) Hebei Branch of Construction and	F16H 57/021	(72) Jort Johannes Wilhelmus Schutte
Administration Bureau of South-of-North	F16H 55/24	Edwin Schäperclaus
Water Diversion Middle Route Project	(11) 2030921	Rudie Jan Hendrik Lammers
Hebei University of Engineering	(47) 18.08.2023	(74) ir. H.A. Witmans c.s.
Hohai University	(22) 14.02.2022	(51) G01N 3/04
(72) Lixin He	(54) Adjustment mechanism and adjustment	G01N 3/18
Jing Ma	device comprising such adjustment	(11) 2030931
Ziyuan Wang	mechanism	(47) 18.08.2023
Yu Dai	(73) MCi (Mirror Controls International)	(22) 14.02.2022
Tao Du	Netherlands B.V.	(54) HIGH-TEMPERATURE HIGH-STRESS
Rulan Lv	(72) Yi Song	TRUE TRIAXIAL TEST DEVICE AND
Qinghua Luan	Justin Fransen	METHOD
Huan Xu	Jannick Daniël Wijntjes	(73) Northeastern University
Yunchao Huo	Léo Brière	(72) Wanqing Shen
(74) ir. W.J.J.M. Kempes	Peter Alexander Hamming	Jianfu Shao
(51) E21F 15/00	Tom Adriaan Jansen	Tao Feng
E21F 15/04	Marinus Jacobus Maria van Zuijlen	Xiating Feng
E21F 15/08	Meindert Jan Solkesz	Chuan Wang
(11) 2030914	Stefan Fritz Brouwer	Zaobao Liu
(47) 18.08.2023	François Roderik Henri Bouaziz	Ming Wu
(22) 11.02.2022	(74) ir. H.A. Witmans c.s.	Hongjie Chen
(54) GANGUE FILLING-GROUTING	(51) G01K 1/14	(74) ir. M.B. Plaggenborg
REINFORCEMENT DEEP WELL	G01K 15/00	(51) G01N 3/18
COAL-PILLAR-FREE GOB-SIDE	(11) 2030920	G01N 15/08
ENTRY RETAINING CONSTRUCTION	(47) 18.08.2023	G01N 3/02
PROCESS	(22) 11.02.2022	G01N 3/24
(73) China University of Mining and	(54) CHAIN PLATE TYPE EFFICIENT	(11) 2030932
Technology	ELECTRONIC THERMOMETER	(47) 18.08.2023
(72) Hai Pu	INDICATION ERROR VERIFICATION	(22) 14.02.2022
Chunxiao Zhao	DEVICE AND METHOD	(54) HIGH-TEMPERATURE AND HIGH-
Bingxiang Huang	(73) CHINA JILIANG UNIVERSITY	PRESSURE DIRECT SHEAR
Yinlong Lu	(72) Bingyi Chen	FRACTURE SEEPAGE COUPLING
Qi Wang	Tao Zeng	TESTING DEVICE FOR ROCK
Qingbin Meng	Le Chen	(73) Northeastern University
Minghe Ju	Long Liu	(72) Liang Hao
Liyuan Wei	Hao Wu	Hang Li
Yang Hao	(74) ir. M.B. Plaggenborg	Tao Feng
Qiangling Yao		Xiating Feng

Binhui Liu	G01N 15/08	(74) ir. M.B. Plaggenborg
Jianyu Xu	(11) 2030948	(51) G16B 20/20
Zaobao Liu	(47) 21.08.2023	G16H 50/20
Ming Wu	(22) 15.02.2022	G16H 50/30
(74) ir. M.B. Plaggenborg	(54) METHOD OF PREDICTING A RELATIVE PERMEABILITY CURVE BASED ON MACHINE LEARNING	(11) 2030981
(51) G01N 21/31	(73) Institute of Geology and Geophysics, Chinese Academy of Sciences	(47) 22.08.2023
G01N 21/78	(72) Liang Huang	(22) 16.02.2022
C12Q 1/46	Jiaru Zou	(54) RISK PREDICTION METHOD FOR IMPROVING DIAGNOSIS ACCURACY RATE OF ACUTE EXACERBATION STATE OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE
(11) 2030890	Enliang Liu	(73) Institute of Basic Medicine, Chinese Academy of Medical Sciences
(47) 17.08.2023	Shoudong Huo	(72) Yi Xiao
(22) 10.02.2022	Shengqiang Mu	Huiyuan Hu
(54) VISUAL COLORIMETRIC DETECTION METHOD OF ORGANOPHOSPHORUS PESTICIDES	Xuhui Zhou	Zhifa Han
(73) Changsha University of Science & Technology	(74) ir. M.B. Plaggenborg	Linfan Su
(72) Ronghua Yang	(51) G02C 11/06	Jing Wang
Zhihe Qing	H04R 1/10	Hongmei Zhao
Yunan Li	H04R 5/02	(74) ir. M.B. Plaggenborg
(74) ir. M.B. Plaggenborg	G02C 5/14	(51) H02S 20/23
(51) G01N 21/88	(11) 2031025	F24S 25/613
(11) 2030949	(47) 18.08.2023	(11) 2030923
(47) 21.08.2023	(22) 22.02.2022	(47) 18.08.2023
(22) 15.02.2022	(54) BLUETOOTH GLASSES	(22) 14.02.2022
(54) BRIDGE DETECTOR	(73) Hsi-Chou Cheng	(54) Bevestigingsinrichting, dakhaak, montagerail en werkwijze voor de bevestiging van objecten op een dak
(73) Beijing Institute of Technology	Shue-Yu Huang	(73) Van der Valk Systemen B.V.
(72) Shaohua Niu	(72) Shue-Yu Huang	(72) Vincent Prins
Jieyou Ge	Hsi-Chou Cheng	(74) dr. R.C. van Duijvenbode c.s.
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(73) Jiaying University	H01L 23/498	(72) Herre Sjoerd Jan van der Zant
(72) Zhiqiang Liao	(11) 2030907	Martin Lee
Yonghe Hao	(47) 18.08.2023	Edouard Lesne
Yu Zhang	(22) 11.02.2022	Andrea Caviglia
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(51) G01V 1/28	(73) QuantWare Holding B.V.	Peter Gerard Steeneken
G01V 1/30	(72) Matthijs Rijlaarsdam	(74) drs. P.A. van Essen c.s.
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(54) SPARSITY ADAPTIVE IRREGULAR SEISMIC DATA RECONSTRUCTION METHOD	G06Q 10/20	(22) 11.03.2022
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Guoxu Shu	(54) METHOD AND SYSTEM OF MAINTENANCE TASK SCHEDULING	(74) ir. A.R. Aalbers
Jiaru Zou	(73) Army Academy of Armored forces of PLA	(31) 10202201404S
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Francois Roy-Moisan  
Patrick Menard  
Louis Brun  
Charles Smith  
Gabriel Dupras  
Jacques Poirier
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**Nederlandse octrooien na gedeeltelijke afstand conform artikel 63 van de Octrooiwet 1995..  
Contains data concerning Netherlands patents which have been entered in the patent  
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**EP1**

**Vertaalde conclusies van Europese octrooiaanvragen.**

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

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SEGMENT COMPRISING A TOBACCO	FERRARI, Eva	JAKLIN, Jan
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(21) EP20182330.9	(32) 10.05.2021	(21) EP20189173.6
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(22) 09.03.2016	(51) A24F 40/42	(22) 21.10.2015
(54) AEROSOL DELIVERY DEVICE	A24F 40/48	(54) ELECTRONIC CIGARETTE
WITH MICROFLUIDIC DELIVERY	A24F 40/51	(73) Shenzhen Smoore Technology Limited
COMPONENT	A61M 11/04	(72) LIU Pingkun
(73) RAI Strategic Holdings, Inc.	A61M 15/02	(51) A24F 40/46
(72) TALUSKIE, Karen, V.	A61M 15/06	A61M 11/04
DAVIS, Michael F.	(11) EP3694351	A24F 40/20
CHANG, Yi-Ping	(21) EP18785949.1	(11) EP3494815
HUNT, Eric, Taylor	(47) 23.08.2023	(21) EP18210216.0
SEARS, Stephen, Benson	(87) EP2018077744	(47) 23.08.2023
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(31) 201514643626	(22) 11.10.2018	(54) HEATING SMOKEABLE MATERIAL
(32) 10.03.2015	(54) LIQUID STORE FOR AN INHALER, IN	(73) Nicoventures Trading Limited
(33) United States of America	PARTICULAR FOR AN ELECTRONIC	(72) SALEEM, Fozia
(51) A24F 40/40	CIGARETTE PRODUCT	(31) 201305294
A24F 40/20	(73) Körber Technologies GmbH	(32) 22.03.2013
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(47) 23.08.2023	(31) 102017123869	F16L 59/065
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(54) AEROSOL GENERATION DEVICE	(33) Germany	A61M 15/00
(73) JT International SA	(51) A24F 40/42	(11) EP3033954
(72) WOLF, Christina	A24F 40/70	(21) EP15200661.5
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BOUCHUIGUIR, Layth Sliman	A61M 15/06	(22) 24.08.2012
YAMAGUCHI, Akira	A61M 11/04	(54) HEAT INSULATED APPARATUS FOR
KAYAMA, Yusuke	(11) EP3834642	HEATING A SMOKABLE MATERIAL
REFIOR, Philipp Hans	(21) EP21156003.2	(73) Nicoventures Trading Limited
WERNY, Moritz	(47) 23.08.2023	(72) SALEEM, Fozia
(51) A24F 40/40	(22) 17.04.2019	FIMIN, Pavel Nikolaevich
A24F 40/46	(54) EVAPORATOR INSERT, EVAPORATOR-	VOLOBUEV, Dmitry Mikhailovich
A24F 40/70	TANK UNIT FOR AN INHALER,	WOODMAN, Thomas
H05B 3/26	INHALER AND METHOD OF	EGOYANTS, Petr Alexandrovich
A24F 40/20	MANUFACTURE	(31) 2011136872
(11) EP3626091	(73) Körber Technologies GmbH	201207054
(21) EP19198580.3	(72) ULLNER, Tim	(32) 06.09.2011
(47) 23.08.2023	ROMMING, Dr. Niklas	23.04.2012
(22) 20.09.2019	JAKLIN, Jan	(33) Russian Federation
(54) ELECTRONIC CIGARETTE, HEATING	CORNILS, Lasse	United Kingdom
ELEMENT THEREOF AND METHOD	Kalaydzhyan, Dr. Karen	(51) A24F 40/48
FOR MANUFACTURING THE HEATING	(31) 102018206647	A24F 40/50
ELEMENT	(32) 27.04.2018	A24F 40/42
(73) Shenzhen Smoore Technology Limited	(33) Germany	A24F 40/10
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ZHANG, Xingfu	A24F 40/46	(21) EP18796378.0
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(33) China	(47) 23.08.2023	25.04.2019
(51) A24F 40/40	(87) EP2016082496	(22) 19.10.2018
A61M 15/06	06.07.2017	(54) E-VAPING DEVICE USING A JET
A61M 11/04	(22) 22.12.2016	DISPENSING CARTRIDGE, AND
A24F 40/50	(54) AEROSOL-GENERATING SYSTEM	METHOD OF OPERATING THE E-
A24F 40/465	WITH MULTIPLE HEATING ELEMENTS	VAPING DEVICE
A24F 40/95	(73) Philip Morris Products S.A.	(73) Philip Morris Products S.A.
(11) EP4088592	(72) FORCE, Eric	(72) BELL, Byron
(21) EP22172500.5	LI, Yonghai	EDELEN, John Glenn
(47) 23.08.2023	GUO, Yonglu	HAWES, Eric
(22) 10.05.2022	(31) 15203248	BACHE, Terry
(54) AEROSOL GENERATION DEVICE	(32) 31.12.2015	ANDERSON, JR., James D.

NEWCOMB, Ryan LAU, Raymond (31) 201715789245 (32) 20.10.2017 (33) United States of America	PIOVESAN, Alberto (31) 201900005718 (32) 12.04.2019 (33) Italy	(22) 25.01.2019 (54) SURGICAL APPAREL SYSTEM AND METHOD OF USE (73) Stryker Corporation (72) JEFFERIS, Ryan KIDMAN, Beau ISHAM, Stephen (31) 201816223523 201862676135 P 201862622520 P (32) 18.12.2018 24.05.2018 26.01.2018 (33) United States of America United States of America United States of America
(51) A24F 40/485 A24D 3/04 (11) EP3586653 (21) EP19189679.4 (47) 23.08.2023 (22) 05.12.2012 (54) AN AEROSOL GENERATING DEVICE WITH ADJUSTABLE AIRFLOW (73) Philip Morris Products S.A. (72) DUBIEF, Flavien (31) 11192695 (32) 08.12.2011 (33) European Patent Office (EPO)	(51) A41D 19/00 A41D 19/015 (11) EP3740093 (21) EP18825615.0 (47) 23.08.2023 (87) EP2018084722 25.07.2019 (22) 13.12.2018 (54) GLOVE WITH LACING SYSTEM (73) Lekisport AG (72) BOSS, Matthias (31) 602018 (32) 19.01.2018 (33) Switzerland	(51) A42B 3/20 (11) EP3727071 (21) EP18839876.2 (47) 23.08.2023 (87) IB2018060455 27.06.2019 (22) 20.12.2018 (54) SPORTS FACE GUARD (73) Jamidon Ltd. (72) SUMELIUS, Jan (31) 201762608158 P (32) 20.12.2017 (33) United States of America
(51) A24F 40/485 A24F 15/015 A24F 40/10 A24F 40/60 (11) EP3571939 (21) EP18185706.1 (47) 23.08.2023 (22) 26.07.2018 (54) ELECTRONIC CIGARETTE (73) Liu, Tuanfang (72) Liu, Tuanfang (31) 201810504549 (32) 24.05.2018 (33) China	(51) A41D 27/10 A41D 27/28 A41D 31/14 (11) EP3769637 (21) EP20176702.7 (47) 23.08.2023 (22) 31.05.2017 (54) KNIT SLEEVE RIBBING STRUCTURE (73) NIKE Innovate C.V. (72) STAUB, Andrea J. ACHTYMICHUK, Amie J. (31) 201715608697 201662343561 P (32) 30.05.2017 31.05.2016 (33) United States of America United States of America	(51) A43B 3/40 A43B 7/145 A43B 13/14 A43B 13/20 A43B 17/06 A43B 17/14 (11) EP4101330 (21) EP22177008.4 (47) 23.08.2023 (22) 02.06.2022 (54) ORTHOPAEDIC SHOE SOLE OR INSOLE AND SHOE FOR PERSONS WITH A CERVICAL VALGUS (73) Seregin, Yury Gordieiev, Viktor Kirpichnikov, Alexey (72) Kirpichnikov, Alexey Seregin, Yury (31) 202100015188 (32) 10.06.2021 (33) Italy
(51) A24F 40/53 A24F 40/50 (11) EP3900554 (21) EP20171187.6 (47) 23.08.2023 (22) 23.04.2020 (54) METHOD OF OPERATING AN AEROSOL-GENERATING DEVICE (73) JT International SA (72) Lakraa, Karima	(51) A42B 1/12 A42C 1/00 G06T 17/00 A41H 42/00 G06T 19/20 A41H 3/00 (11) EP3581051 (21) EP19179727.3 (47) 23.08.2023 (22) 12.06.2019 (54) OPTIMIZED SPORTS ARTICLE (73) Adidas AG (72) JACKSON, Keir Samuel HANSON, Henry Niles WILSHER, Simon Peter YEOMANS, June Deborah WALTER, Alain Andre DITTRICH, Marco Albert SABBERTON, Iain James PRICE, Oliver Nathaniel Ambrose SUESSMUTH, Jochen Björn (31) 102018209565 (32) 14.06.2018 (33) Germany	(51) A43B 5/06 A43B 13/04 A43B 13/12 A43B 13/14 A43B 13/18 A43B 13/20 A43B 13/28 A43B 13/32 B29D 35/12 B29D 35/14 (11) EP3613304 (21) EP19203466.8 (47) 23.08.2023 (22) 17.12.2012 (54) ARTICLE OF FOOTWEAR HAVING AN ELEVATED PLATE SOLE STRUCTURE (73) NIKE Innovate C.V. (72) DEVOE, Devonne
(51) A41B 9/02 (11) EP3442366 (21) EP17719146.7 (47) 23.08.2023 (87) US2017027496 19.10.2017 (22) 13.04.2017 (54) LOWER TORSO GARMENT WITH SUPPORT ELEMENT (73) HBI Branded Apparel Enterprises, LLC (72) PERRY, Tasha R. KIMEL, Sherry E. ERICKSON, Rachel COLEMAN, Melissa A. (31) 201662322779 P (32) 14.04.2016 (33) United States of America	(51) A41D 13/05 (11) EP3721735 (21) EP20168623.5 (47) 23.08.2023 (22) 08.04.2020 (54) WEARABLE PROTECTION DEVICE (73) Dainese S.p.A. (72) AZZOLIN, Andrea (87) US2019015128 01.08.2019	

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(51) A43B 13/20 A43B 7/14 (11) EP3692853 (21) EP20163635.4 (47) 23.08.2023 (22) 16.07.2013 (54) FLEXIBLE FLUID-FILLED CHAMBER AND ARTICLE OF FOOTWEAR HAVING A FLEXIBLE FLUID-FILLED CHAMBER (73) NIKE Innovate C.V. (72) HOLT, Scott C. (31) 201213551434 (32) 17.07.2012	(51) A44B 19/26 A44B 19/38 (11) EP3714724 (21) EP17932441.3 (47) 23.08.2023 (87) CN2017114817 23.05.2019 (22) 06.12.2017 (54) DOCK TYPE SLIDER (73) Ideal Fastener (Jiangsu) Ltd. (72) HUNG, Franklin Chi Yen (31) 201711144663 (32) 17.11.2017 (33) China (51) A45C 11/00 G06F 1/16 G06F 3/039 G06F 3/044 G06F 3/045 A45C 11/22	(51) A45D 2/36 A45D 2/10 (11) EP3471574 (21) EP17740434.0 (47) 23.08.2023 (87) FR2017051542 21.12.2017 (22) 14.06.2017 (54) METHOD FOR CONTROLLING A HAIR STYLING APPLIANCE FOR CURLING HAIR, AND HAIR STYLING APPLIANCE EQUIPPED WITH SUCH A METHOD (73) SEB S.A. (72) BONNEMAIRE, Baptiste (31) 1655673 (32) 17.06.2016 (33) France (51) A45D 20/10 A45D 20/50 (11) EP3838058 (21) EP20215287.2



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(54) HAIR-STYLING APPLIANCE WITH IMPROVED ERGONOMICS	(54) STRAP FOR CARRYING COMPRISING A CONFORMATION FRAME	(51) A46B 5/00
(73) SEB S.A.	(73) GRAVIBAG	A46B 15/00
(72) DELHOM, Jérémy	(72) ERRAFI, Mohammed	A61B 6/00
FUJIN, Matthieu	(31) 1871708	A61B 5/00
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(47) 23.08.2023	31.01.2019	Omron Healthcare Co., Ltd.
(87) EP2020054791	(22) 25.07.2018	(72) KITAMURA, Masashi
27.08.2020	(54) WATER BOTTLE WITH PRINTABLE LINER	MORIKAWA, Sakae
(22) 24.02.2020	(73) Specialized Bicycle Components, Inc.	MATSUMOTO, Toshifumi
(54) HAIR STYLING DEVICE	(72) JONES, Ryan	YOSHIDA, Hideaki
(73) Japham Group Limited	(31) 201762536899 P	KATANNO, Mamoru
(72) DEBENEDICTIS, Alfredo	(32) 25.07.2017	(31) 2015119563
NELSON, James Robert	(33) United States of America	2015119558
SOREN, Suraj	(51) A45F 4/02	2015119560
HOLLAND, Janusz Lucien	A45F 3/04	2015119559
HARRIS, Martin Malcolm	A41D 13/018	(32) 12.06.2015
HUGHES, Mark Christopher	B62J 27/20	12.06.2015
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(33) United Kingdom	(21) EP21165245.8	Japan
(51) A45D 29/05	(47) 23.08.2023	Japan
A45D 29/02	(22) 26.03.2021	Japan
(11) EP3554309	(54) PROTECTION SYSTEM AND USE IMPLEMENTING SUCH A PROTECTION SYSTEM	(51) A47B 5/04
(21) EP18860540.6	(73) Helite	B64D 11/06
(47) 23.08.2023	(72) BAVEREL, Camille	B60N 3/00
(87) US2018049119	FLEURANCE, Anne-Laure	A47B 5/00
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(22) 31.08.2018	THEVENOT, Gérard	(21) EP18835664.6
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(73) McMullen, Thomas James	QUEDDIS, Hicham	(87) US2018027254
(72) McMullen, Thomas James	MAIRET, Isabelle	24.01.2019
(31) 201715715886	BOGNI, Hubert	(22) 12.04.2018
(32) 26.09.2017	LAYLE, Barbara	(54) DEPLOYABLE TABLE ASSEMBLY
(33) United States of America	PINTO, Patrick	(73) Satterfield, Johnny A.
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(54) DEVICE FOR APPLYING A REMOVABLE SUBSTANCE IN THE FORM OF A BATON	(21) EP15759562.0	E05D 7/00
(73) RPC Bramlage GmbH	(47) 23.08.2023	E06B 7/00
(72) MÜLLER, Roger	(87) US2015016333	A47B 47/04
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(33) Germany	(54) VEHICLE WASH COMPONENT	A47B 95/00
(51) A45F 3/04	(73) Belanger, Inc.	A47B 96/16
A45F 3/12	(72) TURNER, Barry S.	(11) EP3462984
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		(54) HINGE MOUNTED CABINET

(73) Hingenuity International, LLC	(72) KAMPL, Markus	A47C 7/20
(72) TASSIN, Timothy Wayne	SPERGER, Gerald	A47C 7/02
TASSIN, Christian	IRGANG, Markus	A47C 7/14
(31) 201615161330	SCHWARZMANN, Günter	A47C 7/40
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(47) 23.08.2023	(11) EP3313235	(72) BONN, Brian E.
(87) AT2021060137	(21) EP16734612.1	ALVAREZ, Jason
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(22) 22.04.2021	(87) EP2016065162	STARK, Charles
(54) PULL-OUT GUIDE FOR A MOVABLE FURNITURE PART	05.01.2017	SLYTER, Rebekah
(73) Julius Blum GmbH	(22) 29.06.2016	HADLEY, Nathan
(72) SUTTERLÜTTI, Harald	(54) JOINING DEVICE, PARTICULARLY FOR JOINING A SHELF TO A WALL OF A PIECE OF FURNITURE	WILSON, Jonathan
(31) 503882020	(73) Ferramenta Livenza - Societa' A Responsabilita' Limitata	JOHNSON, Kohler
(32) 07.05.2020	(72) ZONTA, Christian	KAAS, Fred
(33) Austria	IVAN, Abramo	(31) 201514639959
(51) A47B 88/443	DELLA ROSA, Simone	(32) 05.03.2015
A47B 88/48	DURIGON, Giulio	(33) United States of America
A47B 96/20	VERZIAGI, Davide	(51) A47C 21/04
E05D 3/02	CARNELOS, Luca	A61G 7/00
E05D 15/58	CIOL, Mattia	A61B 5/01
E05F 1/12	(31) UB20151753	(11) EP3167765
E05F 1/16	(32) 29.06.2015	(21) EP16198283.0
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(22) 09.07.2020	(11) EP3761832	Baker, Steve D
(54) FURNITURE COMPONENT	(21) EP19714384.5	Clark, Andrew David
(73) Hettich-ONI GmbH & Co. KG	(47) 23.08.2023	Srivastava, Varad Narayan
(72) SCHAEEL, Oliver	(87) EP2019057615	Lachenbruch, Charles A
POPPENBORG, Norbert	(31) 102019119295	Ribble, David Lance
GÖTZ, Gerhard	(22) 26.03.2019	Williamson, Rachel L
(31) 102019119295	(54) METHOD FOR PRODUCING A COVER FOR A FURNITURE PANEL	Bedel, David Lawrence
(32) 16.07.2019	(73) Bulthaup GmbH & Co. KG	O'Neal, Todd P
(33) Germany	(72) RINGWALD, Andreas	Harmeyer, John V
(51) A47B 88/463	ECKERT, Marc Oliver	(31) 201562255147 P
A47B 88/44	LIMMER, Gerhard	(32) 13.11.2015
E05D 15/40	(31) 102018107440	(33) United States of America
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FOR PRODUCING MILK FOAM	(72) MOERI, Peter	(73) Healey, Robert
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(73) Positec Power Tools (Suzhou) Co., Ltd Chen, Pu	(73) Canon Kabushiki Kaisha (72) HASEGAWA, Yoshinori KIMURA, Yu AOYAMA, Yasuhiro TAKAHASHI, Atsushi MINAMI, Masato OGAWA, Satoshi YAMAUCHI, Fumio KONDO, Teruyuki KANAZAKI, Kengo MATSUMOTO, Natsuki YANO, Tetsuya SANDO, Shinsuke YAMADA, Hisatsugu	(73) Vorwerk & Co. Interholding GmbH (72) Dr. Hayn, Henning Mosebach, Andrej Hackert, Georg (31) 102020127988 (32) 23.10.2020 (33) Germany
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| A01K 1/015  | B60R 13/10  | (22) 12.04.2021  |
| B32B 25/14  | G02B 1/04   | (54) SHEET SEPARATION DEVICE, SHEET LAMINATOR, IMAGE FORMING APPARATUS, AND IMAGE FORMING SYSTEM |
| B32B 25/16  | (11) EP3970970  | (73) Ricoh Company, Ltd.   |
| B32B 27/12  | (21) EP20882850.9   | (72) ASANO, Sho  |
| B32B 27/30  | (47) 23.08.2023   | AKIYAMA, Joji  |
| B32B 1/08   | (87) JP2020040448   | NOZAKI, Wataru   |
| B32B 3/02   | 06.05.2021  | SUZUKI, Yoshito  |
| B32B 3/04   | (22) 28.10.2020   | TAKAHASHI, Wataru  |
| (11) EP3558673  | (54) RETROREFLECTIVE SHEET, USE AND PRODUCTION METHOD   | HARAGUCHI, Yohsuke   |
| (21) EP17837972.3   | (73) Kiwa Chemical Industry Co., Ltd.   | FURUHASHI, Tomohiro  |
| (47) 23.08.2023   | (72) MAEKAWA, Ippei   | MONMA, Shinya  |
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| (22) 20.12.2017   | (32) 30.10.2019   | (33) Japan   |
| (54) FLEXIBLE TUBULAR DEVICE COMPRISING A TUBULAR WALL WITH AN ELASTOMER MATRIX, REARING ENCLOSURE COMPRISING SUCH A DEVICE AND METHOD FOR MANUFACTURING THE LATTER | (33) Japan  | (51) B32B 39/00  |
| (73) Bioret Agri-Logette Confort  | (51) B32B 37/00   | E04C 2/06  |
| (72) BIORET, Jean-Vincent   | B29C 48/08  | (11) EP4088929   |
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| (51) B32B 27/08   | C08J 5/18   | (54) PLANT FOR PROCESSING OF CERAMIC OR STONE SLABS  |
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| (54) WEATHERABLE FIRST SURFACE OVER A TIE LAYER OVER A PULTRUDED SUBSTRATE  | (54) PROCESS AND FILM-DRAWING UNIT FOR PRODUCING SEALABLE BIAXIALLY ORIENTED POLYESTER-BASED FILM | B29C 64/106  |
| (73) Trinseo Europe GmbH  | (73) Lindauer Dornier Gesellschaft mit beschränkter Haftung                                       | (11) EP3463882   |
| (72) BARSOTTI, Robert J.  | (72) LIN, Shaofeng  | (21) EP17736772.9  |
| RICHARDS, Thomas H.   | RUTZ, Andreas   | (47) 23.08.2023  |
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| KENSICKI, Robert L.   | (33) Germany  | (73) Stratasys Ltd.  |
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(47) 23.08.2023	PCT/EP2016/059647	(33) United States of America
(87) JP2020013668	(32) 09.09.2015	(51) B41J 2/14
01.10.2020	29.04.2016	B41J 2/16
(22) 26.03.2020	(33) Germany	(11) EP4005801
(54) PHOTOCURABLE COMPOSITION FOR	World Intellectual Property Office (WIPO)	(21) EP19939552.6
THREE-DIMENSIONAL MOLDING,	(51) B41F 31/00	(47) 23.08.2023
THREE-DIMENSIONAL MOLDED	B41F 31/02	(87) JP2019029871
PRODUCT, AND METHOD FOR	(11) EP3756890	04.02.2021
PRODUCING THREE-DIMENSIONAL	(21) EP19183377.1	(22) 30.07.2019
MOLDED PRODUCT	(47) 23.08.2023	(54) NOZZLE PLATE, NOZZLE PLATE
(73) Denka Company Limited	(22) 28.06.2019	MANUFACTURING METHOD, AND
(72) GOTO, Yoshitsugu	(54) METHOD AND DEVICE FOR	INKJET HEAD
DOMOTO, Takashi	MEASURING INK VISCOSITY IN PAD	(73) KONICA MINOLTA, INC.
(31) 2019062349	PRINTING	(72) YAMADA, Akihisa
(32) 28.03.2019	(73) Teca-Print AG	(51) B41J 2/14
(33) Japan	(72) KÄLIN, Rudolf	B41J 2/16
(51) B41F 5/24	(51) B41F 35/00	(11) EP3756892
A61F 13/15	(11) EP3804994	(21) EP18911022.4
B41F 5/16	(21) EP18920143.7	(47) 23.08.2023
B41F 31/02	(47) 23.08.2023	(87) JP2018011428
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(21) EP19932283.5	28.11.2019	(22) 22.03.2018
(47) 23.08.2023	(22) 25.05.2018	(54) INKJET HEAD AND METHOD FOR
(87) SE2019050943	(54) CLEANING UNIT AND PRINTING	PRODUCING SAME
08.04.2021	DEVICE	(73) KONICA MINOLTA, INC.
(22) 01.10.2019	(73) Fuji Corporation	(72) SATO, Yohei
(54) A METHOD FOR ALIGNMENT OF A	(72) YOKOI, Yoshimune	YAMADA, Akihisa
PATTERN PRINTED ON A MATERIAL	(51) B41J 2/04	KAWAGUCHI, Shinichi
FOR AN ABSORBENT ARTICLE BY A	B41J 2/14	(51) B41J 2/18
ROTARY PRINTING DEVICE	(11) EP4126551	B41J 29/377
(73) Essity Hygiene and Health Aktiebolag	(21) EP21712780.2	B41J 2/14
(72) KNÖS, Anna	(47) 23.08.2023	B41J 2/175
PALMQVIST, Lisa	(87) EP2021056548	(11) EP3848204
(51) B41F 16/02	30.09.2021	(21) EP18932811.5
D06B 11/00	(22) 15.03.2021	(47) 23.08.2023
B41M 5/035	(54) INK JET PRINT HEAD	(87) JP2018033162
(11) EP4011625	(73) Phoenix Contact GmbH & Co. KG	12.03.2020
(21) EP21212399.6	(72) FALTINSKI, Sebastian	(22) 07.09.2018
(47) 23.08.2023	WEBER, Timo	(54) INKJET HEAD AND INKJET
(22) 03.12.2021	(31) 102020108317	RECORDING DEVICE
(54) A METHOD FOR PRINTING A RIBBON	(32) 26.03.2020	(73) KONICA MINOLTA, INC.
(73) Menphis S.p.A.	(33) Germany	(72) MARUBAYASHI, Jun
(72) MENIN, Gilberto	(51) B41J 2/045	(51) B41J 2/21
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(32) 14.12.2020	(21) EP19923555.7	(21) EP19151348.0
(33) Italy	(47) 23.08.2023	(47) 23.08.2023
(51) B41F 19/00	(87) JP2019013975	(22) 11.01.2019
B41F 23/04	08.10.2020	(54) MN-DETECTION IN A PRINTED IMAGE
B41F 25/00	(22) 29.03.2019	(73) Heidelberger Druckmaschinen AG
B41J 3/54	(54) METHOD OF DRIVING INKJET HEAD,	(72) Schumann, Frank
B41J 3/60	AND INKJET RECORDING DEVICE	Krieger, Dr. Jan
B41J 11/00	(73) KONICA MINOLTA, INC.	(51) B41J 3/01
(11) EP3409473	(72) LI, Xinze	(11) EP3999350
(21) EP18185993.5	SUETOMI, Yasuhiko	(21) EP20747117.8
(47) 23.08.2023	(51) B41J 2/14	(47) 23.08.2023
(22) 10.08.2016	B41J 2/045	(87) IB2020056620
(54) MACHINE ARRANGEMENT HAVING	(11) EP3842237	21.01.2021
A PLURALITY OF STATIONS FOR	(21) EP21158352.1	(22) 14.07.2020
SEQUENTIALLY PROCESSING OF	(47) 23.08.2023	(54) A PROCESS FOR PRODUCING A
SHEET-TYPE SUBSTRATES	(22) 30.03.2016	PRINTED SUPPORT AND RELATED
(73) Koenig & Bauer AG	(54) FLUID PRINTHEAD AND FLUID	PRINTING SYSTEM
(72) Ziegenbalg, Christian	PRINTER SYSTEM	(73) FOTOBA INTERNATIONAL S.r.l.
Koch, Heinz Michael	(73) Funai Electric Co., Ltd.	(72) MADDALON, Valter
Schumann, Frank	(72) BERGSTEDT, Steve	(31) 201900011847
Becker, Uwe	EDELEN, John Glenn	(32) 16.07.2019
Reinsch, Carsten		

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(51) B41J 3/60	(51) B41J 15/18	COMPAIRED TURLÁN, Diego
B41J 11/46	B65H 16/02	(51) B41M 5/52
B41J 2/21	B41J 3/46	C07F 7/08
B41J 11/00	B41J 11/00	D21H 19/38
B41J 15/04	B41J 29/48	(11) EP3253582
G06K 15/02	(11) EP3960478	(21) EP16746292.8
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(47) 23.08.2023	(22) 25.08.2021	11.08.2016
(87) JP2019035323	(54) PRINTING APPARATUS WITH A	(22) 27.01.2016
26.03.2020	PLURALITY OF PAPER ROLLS AND	(54) RECORDING MEDIUM AND SILANE
(22) 09.09.2019	THEIR CORRESPONDING DISPLAY	COUPLING AGENT
(54) PRINTING APPARATUS	UNITS	(73) Canon Kabushiki Kaisha
(73) SCREEN Holdings Co., Ltd.	(73) CANON KABUSHIKI KAISHA	(72) NOGUCHI, Tetsuro
(72) TAKAHASHI, Susumu	(72) ASAI, Yasuyuki	MIYABE, Masahito
(31) 2018178014	TOKITA, Toshinobu	KAMO, Hisao
(32) 21.09.2018	NOZAWA, Hideyuki	HATTA, Naoya
(33) Japan	TAIRA, Ryutaro	OGURI, Isamu
(51) B41J 11/00	TOKUDA, Kouhei	(31) 2015020526
B41J 15/04	(31) 2020147157	(32) 04.02.2015
B65H 23/188	(32) 01.09.2020	(33) Japan
B41J 2/32	(33) Japan	(51) B42B 2/00
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(47) 23.08.2023	(21) EP20206661.9	(47) 23.08.2023
(22) 25.12.2014	(47) 23.08.2023	(87) EP2020068594
(54) PRINTER	(22) 10.11.2020	11.03.2021
(73) Sato Holdings Kabushiki Kaisha	(54) INK-JET PRINTER	(22) 02.07.2020
(72) NAKAJIMA, Akira	(73) SCREEN Holdings Co., Ltd.	(54) METHOD FOR PRODUCING A
KOKUTA, Hiroshi	(72) MATSUI, Norimasa	BOOK BLOCK FOR A BOOK-TYPE
(31) 2013268267	KURODA, Takashi	VALUE DOCUMENT OR SECURITY
(32) 26.12.2013	IKEUCHI, Kazutaka	DOCUMENT, BOOK BLOCK, METHOD
(33) Japan	FUKUI, Tamio	FOR PRODUCING A BOOK-TYPE
(51) B41J 15/04	(31) 2019204494	VALUE DOCUMENT OR SECURITY
B41J 11/00	(32) 12.11.2019	DOCUMENT, AND BOOK-TYPE
(11) EP3733413	(33) Japan	VALUE DOCUMENT OR SECURITY
(21) EP18897567.6	(51) B41M 5/382	DOCUMENT
(47) 23.08.2023	B41M 5/392	(73) Bundesdruckerei GmbH
(87) JP2018044822	B41M 5/395	(72) TSCHAKERT, Daniel
04.07.2019	B41J 31/00	SEIJO BOLLIN, Hans-Peter
(22) 06.12.2018	B41M 5/34	(31) 102019123518
(54) INKJET PRINTER WITH UNEVENLY	(11) EP3263352	(32) 03.09.2019
DISTRIBUTED UNWINDING PART AND	(21) EP16755721.4	(33) Germany
ADJACENT WINDING PART	(47) 23.08.2023	(51) B42D 25/324
(73) Think Laboratory Co., Ltd.	(87) JP2016055911	B42D 25/455
(72) SHIGETA, Tatsuo	01.09.2016	B42D 25/46
(31) 2017247147	(22) 26.02.2016	B42D 25/41
(32) 25.12.2017	(54) SUBLIMATION HEAT TRANSFER	B32B 7/06
(33) Japan	SHEET	B42D 25/23
(51) B41J 15/16	(73) Dai Nippon Printing Co., Ltd.	B42D 25/24
B65H 23/195	(72) OOMURA Junpei	B42D 25/328
B65H 23/188	YODA Shinya	G02B 5/18
B65H 23/16	HAYASHI Kenzo	B42D 25/391
(11) EP3984759	MATSUBA Emi	(11) EP3929002
(21) EP21202161.2	(31) 2015036777	(21) EP21191887.5
(47) 23.08.2023	(32) 26.02.2015	(47) 23.08.2023
(22) 12.10.2021	(33) Japan	(22) 09.01.2019
(54) IMAGE FORMING APPARATUS	(51) B41M 5/52	(54) LAMINATE, VERIFICATION, AND
COMPRISING A SHEET CONVEYANCE	(11) EP3686022	METHOD OF PRODUCING LAMINATE
DEVICE AND A TENSION APPLYING	(21) EP19382052.9	(73) Toppan Printing Co., Ltd.
DEVICE	(47) 23.08.2023	(72) Minamikawa, Naoki
(73) Ricoh Company, Ltd.	(22) 25.01.2019	(31) 2018001297
(72) CHEN, Bingxian	(54) PRINT-MEDIUM PAPER AND METHOD	(32) 09.01.2018
(31) 2020172628	(73) SOCIEDAD ANÓNIMA INDUSTRIAS	(33) Japan
(32) 13.10.2020	CELULOSAS ARAGONESAS - SAICA	(51) B43L 19/00
	(72) MENA DIAZ DE CORUCUERA, Alberto	B43K 29/00

B43K 29/05	RESPECTIVE SPOKED WHEEL FOR	(21) EP22153385.4
B43K 29/18	BICYCLE	(47) 23.08.2023
B43K 29/02	(73) Campagnolo S.r.l.	(22) 26.01.2022
(11) EP3964366	(72) MEGGIOLAN, Mario	(54) MOTORCYCLE TIRE PAIR
(21) EP21178322.0	(31) 201700140052	(73) Sumitomo Rubber Industries, Ltd.
(47) 23.08.2023	(32) 05.12.2017	(72) KONO, Kyosuke
(22) 08.06.2021	(33) Italy	(31) 2021024276
(54) DECOLORIZING APPARATUS	(51) B60B 27/00	(32) 18.02.2021
(73) Toshiba TEC Kabushiki Kaisha	B60B 27/02	(33) Japan
(72) Ishikawa, Daisuke	B60B 27/04	(51) B60C 9/00
Kitawaki, Takaya	F16D 41/32	B60C 9/18
Harayama, Daisuke	(11) EP3517315	B60C 11/00
Taira, Kazuki	(21) EP19153579.8	(11) EP4023462
(31) 2020149667	(47) 23.08.2023	(21) EP21215261.5
(32) 07.09.2020	(22) 24.01.2019	(47) 23.08.2023
(33) Japan	(54) COLLAR, IN PARTICULAR FOR	(22) 16.12.2021
(51) B44C 1/17	BICYCLES	(54) PNEUMATIC TIRE
B44C 5/04	(73) DT Swiss AG	(73) Sumitomo Rubber Industries, Ltd.
(11) EP3858639	(72) Spahr, Stefan	(72) MISAKI, Momoka
(21) EP21161267.6	Walthert, Martin	MIAO, Dong
(47) 23.08.2023	(31) 102018101720	HIROKI, Kawai
(22) 30.06.2010	(32) 25.01.2018	(31) 2021000590
(54) METHOD FOR PRODUCING PANELS	(33) Germany	(32) 05.01.2021
(73) Flooring Technologies Ltd.	(51) B60C 1/00	(33) Japan
(72) Kalwa, Norbert	C08L 7/00	(51) B60C 9/00
Braun, Roger	(11) EP4074520	D02G 3/48
(51) B60B 1/02	(21) EP22165079.9	(11) EP3323634
B60B 1/04	(47) 23.08.2023	(21) EP17194917.5
B60B 21/06	(22) 29.03.2022	(47) 23.08.2023
B60B 31/02	(54) TIRE	(22) 05.10.2017
B60B 31/00	(73) Sumitomo Rubber Industries, Ltd.	(54) HYBRID CORD FOR USE AS A
B60B 1/00	(72) KITAMURA, Naoya	REINFORCING SUPPORT IN A
(11) EP3797038	(31) 2021069097	COMPONENT OF A VEHICLE
(21) EP18919463.2	(32) 15.04.2021	PNEUMATIC TYRE AND VEHICLE
(47) 23.08.2023	(33) Japan	PNEUMATIC TYRE
(87) US2018033805	(51) B60C 7/14	(73) Continental Reifen Deutschland GmbH
28.11.2019	B60C 7/18	(72) Werner, Viktoria
(22) 22.05.2018	F16F 1/366	Kramer, Thomas
(54) SPOKED VEHICLE WHEEL	(11) EP3727886	Pöhler, Ute
(73) Schlanger, Raphael	(21) EP17829559.8	Nabih, Nermeen
(72) Schlanger, Raphael	(47) 23.08.2023	Reese, Wolfgang
(51) B60B 1/06	(87) US2017067922	Justine, Carole
B60B 7/00	27.06.2019	Schunack, Michael
B60B 3/04	(22) 21.12.2017	(31) 102016222725
B60B 3/10	(54) REINFORCED RESILIENT SUPPORT	(32) 18.11.2016
B60B 7/18	FOR A NON-PNEUMATIC TIRE	(33) Germany
B60B 5/02	(73) COMPAGNIE GENERALE DES	(51) B60C 9/18
(11) EP3838613	ETABLISSEMENTS MICHELIN	B60C 9/00
(21) EP21156745.8	(72) CRON, Steven M.	B60C 11/03
(47) 23.08.2023	CHRISTENBURY, Damon Lee	(11) EP4026706
(22) 17.12.2015	(51) B60C 7/14	(21) EP21215248.2
(54) WHEEL COMPRISING A HEAT SHIELD	B60C 11/00	(47) 23.08.2023
STRUCTURE	(11) EP4019278	(22) 16.12.2021
(73) Mubea Carbo Tech GmbH	(21) EP21214651.8	(54) PNEUMATIC TIRE
(72) Christoph, RENNEN	(47) 23.08.2023	(73) Sumitomo Rubber Industries, Ltd.
Sebastian, SCHMITZ	(22) 15.12.2021	(72) HIROKI, Kawai
(31) 19942014	(54) NON-PNEUMATIC TIRE	MISAKI, Momoka
(32) 19.12.2014	(73) Toyo Tire Corporation	MIAO, Dong
(33) Switzerland	(72) TAHARA, Hiroshi	(31) 2021001533
(51) B60B 21/06	(31) 2020219329	(32) 07.01.2021
B60B 1/04	(32) 28.12.2020	(33) Japan
(11) EP3495161	(33) Japan	(51) B60C 9/18
(21) EP18208491.3	(51) B60C 9/00	B60C 11/00
(47) 23.08.2023	B60C 9/04	(11) EP4023463
(22) 27.11.2018	B60C 9/06	(21) EP21215226.8
(54) INSERT FOR A RIM OF A SPOKED	B60C 9/18	(47) 23.08.2023
WHEEL FOR BICYCLE AND	(11) EP4046824	(22) 16.12.2021
		(54) PNEUMATIC TIRE



(73) Sumitomo Rubber Industries, Ltd.	H01R 24/38	Burger, Norbert
(72) MIAO, Dong	(11) EP3939809	(31) 102019103185
HIROKI, Kawai	(21) EP20894914.9	(32) 08.02.2019
MISAKI, Momoka	(47) 23.08.2023	(33) Germany
(31) 2021000588	(87) JP2020021282	(51) B60G 9/00
(32) 05.01.2021	02.12.2021	B60G 17/005
(33) Japan	(22) 29.05.2020	B62D 61/12
(51) B60C 11/00	(54) CONNECTOR AND METHOD OF	(11) EP3753761
B60C 9/20	MANUFACTURING A CONNECTOR	(21) EP19382508.0
B60C 9/28	(73) Pacific Industrial Co., Ltd.	(47) 23.08.2023
(11) EP3871904	(72) YAMADA, Hirohisa	(22) 18.06.2019
(21) EP19876421.9	(51) B60D 1/36	(54) LIFT FOR A ROTARY AXLE OF
(47) 23.08.2023	B60D 1/62	INDUSTRIAL VEHICLES
(87) JP2019024161	(11) EP3687839	(73) Piñeiro Losada, Ana María
30.04.2020	(21) EP18786555.5	(72) Piñeiro Losada, Ana María
(22) 18.06.2019	(47) 23.08.2023	(51) B60G 17/019
(54) PNEUMATIC TIRE	(87) US2018052661	G01B 17/00
(73) The Yokohama Rubber Co., Ltd.	28.03.2019	G01S 15/08
(72) MOTOMITSU, Takamasa	(22) 25.09.2018	G01S 7/521
(31) 2018199372	(54) AUTOMATED TRAILER HITCHING	G01S 15/88
(32) 23.10.2018	USING IMAGE COORDINATES	(11) EP4019303
(33) Japan	(73) Continental Autonomous Mobility US,	(21) EP21210018.4
(51) B60C 11/12	LLC	(47) 23.08.2023
B60C 11/03	(72) CARPENTER, Kyle	(22) 23.11.2021
(11) EP3822095	(31) 201816139531	(54) AIR SPRING
(21) EP19834533.2	201762562751 P	(73) ContiTech Luftfedersysteme GmbH
(47) 23.08.2023	(32) 24.09.2018	(72) BALACHONZEW, Boris
(87) JP2019024198	25.09.2017	STAHMER, Reinhard
16.01.2020	(33) United States of America	(31) 102020216447
(22) 19.06.2019	United States of America	(32) 22.12.2020
(54) PNEUMATIC TIRE	(51) B60D 5/00	(33) Germany
(73) The Yokohama Rubber Co., Ltd.	B61D 17/22	(51) B60H 1/00
(72) UCHIDA, Yuta	(11) EP3922488	B60H 1/14
(31) 2018129848	(21) EP20178887.4	B60H 1/32
(32) 09.07.2018	(47) 23.08.2023	(11) EP3711983
(33) Japan	(22) 09.06.2020	(21) EP20159399.3
(51) B60C 19/00	(54) TRANSITION BETWEEN TWO VEHICLE	(47) 23.08.2023
B29D 30/00	PARTS CONNECTED BY MEANS OF A	(22) 25.02.2020
H01Q 1/38	JOINT OR A COUPLING	(54) HEAT SYSTEM FOR ELECTRIC OR
B60C 5/14	(73) Hübner GmbH & Co. KG	HYBRID VEHICLE, ELECTRIC OR
H01Q 1/22	(72) Heiwig, Matthias	HYBRID VEHICLE, METHOD FOR
(11) EP4000966	(51) B60G 7/00	OPERATING A HEAT SYSTEM
(21) EP21208407.3	(11) EP3865322	(73) Bayerische Motoren Werke
(47) 23.08.2023	(21) EP20382096.4	Aktiengesellschaft
(22) 16.11.2021	(47) 23.08.2023	(72) Horn, Oliver
(54) TIRE	(22) 12.02.2020	Allgaeuer, Christian
(73) Toyo Tire Corporation	(54) CHASSIS COMPONENT	Moser, Markus
(72) OGIMOTO, Hiroki	(73) Gestamp Servicios, S.A.	(31) 102019107191
(31) 2020193144	(72) Arroyo Llanos, Iñaki	(32) 20.03.2019
(32) 20.11.2020	Domínguez Zarandona, Pedro	(33) Germany
(33) Japan	Piccini, Joaquin	(51) B60H 1/00
(51) B60C 23/04	Bilbao, Asier	B60H 3/00
(11) EP3907090	Marín, Javier	B60S 1/64
(21) EP20916233.8	(51) B60G 9/00	G06V 20/59
(47) 23.08.2023	B60B 35/12	B60S 3/00
(87) JP2020008337	B60G 11/46	(11) EP3851306
02.09.2021	B60K 1/00	(21) EP21150838.7
(22) 28.02.2020	B60K 7/00	(47) 23.08.2023
(54) IN-TIRE ELECTRIC DEVICE	(11) EP3693195	(22) 11.01.2021
(73) Pacific Industrial Co., Ltd.	(21) EP20154809.6	(54) IMPURITY DETECTION IN A VEHICLE
(72) ISOWA, Hiroki	(47) 23.08.2023	(73) MAN Truck & Bus SE
YAMADA, Hirohisa	(22) 31.01.2020	(72) Haider, Michael
(51) B60C 23/04	(54) MOTOR VEHICLE STRUCTURE	(31) 102020000235
H01H 1/00	WITH DRIVE UNIT IN THE AXIS OF	(32) 16.01.2020
B60C 23/20	ROTATION OF A DRIVE AXIS BEARING	(33) Germany
B60C 19/00	(73) MAN Truck & Bus SE	(51) B60H 1/00
H01R 13/52	(72) Kusch, Willi	B60H 3/02
	Kondic, Darko	

B60H 3/06	25.06.2020	(54) MECHANISM FOR A MOTOR VEHICLE
B01D 46/00	(22) 16.12.2019	TRUNK WITH TWO OPENING PANELS
B01D 46/44	(54) GLASS PANEL WITH AN	(73) Renault s.a.s
B01D 53/04	ENCAPSULATED PROFILED JOINT	(72) HEWAK, Gregor
(11) EP3634791	(32) 21.12.2018	BEZEAULT, Loic
(21) EP18728806.3	COMPRISING AN ATTACHED PIECE	(31) 1755875
(47) 23.08.2023	SECURED BY MEANS OF A HOOK	(32) 27.06.2017
(87) EP2018063361	(73) Saint-Gobain Glass France	(33) France
13.12.2018	(72) SILVESTRINI, Laurent	
(22) 22.05.2018	(31) 1873814	(51) B60J 10/72
(54) A SMART MULTI-MODAL VEHICULAR	(32) 21.12.2018	B60J 10/70
AIR FILTERING SYSTEM AND	(33) France	(11) EP3950395
ASSOCIATED METHODS	(51) B60J 1/17	(21) EP21782872.2
(73) MANN+HUMMEL GmbH	B60J 5/04	(47) 23.08.2023
(72) BAUER, Bernd	B60J 10/763	(87) CN2021080561
HAIDER, Dominik	(11) EP3752377	09.12.2021
HÖSL, Mathias	(21) EP18836455.8	(22) 12.03.2021
THAU, Pascal	(47) 23.08.2023	(54) AUTOMOBILE AIR INLET GRILLE
HEINZMANN, Matthias	(87) EP2018000545	SEALING CLAMPING STRIP HAVING
SCHÖN, Mirco	22.08.2019	SOFT HOLLOW STRUCTURE
WEBER, Andreas	(22) 07.12.2018	(73) Qinhuangdao Great Wall Glass Industry
SCHOEN, Mario	(54) VEHICLE DOOR HAVING A HEIGHT-	Co., Ltd.
HEININGER, Thomas	ADJUSTABLE WINDOW PANE	(72) WANWU, Zhang
SCHWIMMBECK, Tobias	(73) PSA Automobiles SA	WU, Haitao
KLEIN, Martin	(72) LANGE, Marcus	OU, Zhenquan
(31) 201715615791	(31) 102018001124	(31) 202010488980
(32) 06.06.2017	(32) 13.02.2018	(32) 02.06.2020
(33) United States of America	(33) Germany	(33) China
(51) B60H 1/00	(51) B60J 5/04	(51) B60J 10/86
F01P 7/10	(11) EP3711988	F16B 33/00
B60K 11/08	(21) EP20159832.3	F16B 37/14
B61D 27/00	(47) 23.08.2023	F16B 43/00
(11) EP3921194	(22) 27.02.2020	(11) EP3939815
(21) EP20714875.0	(54) SUPPORT COMPONENT WITH	(21) EP21181237.5
(47) 23.08.2023	FASTENING AREA MADE OF A FIBRE	(47) 23.08.2023
(87) EP2020056315	COMPOSITE MATERIAL AND AT	(22) 23.06.2021
15.10.2020	LEAST ONE SUPPORTING ELEMENT	(54) MOTOR VEHICLE DOOR
(22) 10.03.2020	LOCKING A FIXING ELEMENT	(73) Renault s.a.s
(54) COOLING UNIT FOR A VEHICLE,	(73) Brose Fahrzeugteile SE & Co.	(72) CHAPRON, Thibault
VEHICLE, AND METHOD FOR	Kommanditgesellschaft, Bamberg	MONTFORT, Patrice
OPERATING A COOLING UNIT	(72) CARL, André	(31) 2007383
(73) Siemens Mobility GmbH	HOFMANN, Dominik	(32) 15.07.2020
(72) TAYLAN, Yüksel	THIENEL, Michael	(33) France
(31) 102019205084	MERKLE, Sebastian	
(32) 09.04.2019	(31) 102019203906	(51) B60K 6/00
(33) Germany	(32) 21.03.2019	A01D 34/64
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(11) EP3665023	(51) B60J 5/04	A01D 101/00
(21) EP18844630.6	(11) EP3912839	(11) EP3900968
(47) 23.08.2023	(21) EP20741131.5	(21) EP21167617.6
(87) KR2018008970	(47) 23.08.2023	(47) 23.08.2023
14.02.2019	(87) JP2020001057	(22) 09.04.2021
(22) 07.08.2018	23.07.2020	(54) WORK VEHICLE
(54) AIR VENTILATOR FOR AN	(22) 15.01.2020	(73) Iseki & Co., Ltd.
AUTOMOBILE	(54) AUTOMOBILE DOOR	(72) KURITA, Kazuyuki
(73) Nifco Korea Inc.	(73) NIPPON STEEL CORPORATION	(31) 2020075739
(72) KIM, Seong Keon	(72) NAKAZAWA Yoshiaki	(32) 21.04.2020
(31) 20170102521	SUZUKI Toshiya	(33) Japan
(32) 11.08.2017	(31) 2019004037	(51) B60K 6/405
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(51) B60J 1/10	(33) Japan	B60K 6/387
B60J 10/265	(51) B60J 5/10	B60K 6/547
B60J 10/78	(11) EP3678879	B62M 7/00
B60R 13/04	(21) EP18729704.9	B62M 23/02
(11) EP3898303	(47) 23.08.2023	(11) EP3760461
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(47) 23.08.2023	03.01.2019	(47) 23.08.2023
(87) EP2019085221	(22) 14.06.2018	(22) 29.06.2020
		(54) HYBRID VEHICLE
		(73) Kawasaki Motors, Ltd.

(72) Nishiyabu, Masaki Hida, Yuji Izumi, Kyohei Ichi, Satoaki	(11) EP3914468 (21) EP19832896.5 (47) 23.08.2023 (87) EP2019085929	27.06.2019 (22) 06.12.2018 (54) METHOD AND DEVICE FOR CONTROLLING DISPLAY ON BASIS OF DRIVING CONTEXT
(31) 2019123349 (32) 02.07.2019 (33) Japan	30.07.2020 (22) 18.12.2019 (54) CHARGING CONNECTION DEVICE FOR A VEHICLE	(73) Samsung Electronics Co., Ltd. (72) HONG, Kwaneui YOU, Juyeon
(51) B60K 6/46 B60W 50/08 B60W 10/06 B60W 20/00 B60W 10/08 B60W 10/26 B60W 20/13	(73) Mercedes-Benz Group AG (72) BÖLD, Robin SCHURZ, Andreas	LEE, Deokyeol LEE, Sungwook KIM, Sungkwon CHOI, Jaemo LEE, Changyoul HA, Taeyoung LIM, Yongjun CHOI, Jinyoung
(11) EP2768707 (21) EP12841037.0 (47) 23.08.2023 (87) US2012061129	(31) 102019000462 (32) 22.01.2019 (33) Germany	(31) 20170176848 (32) 21.12.2017 (33) Korea (Republic)
(22) 19.10.2012 (54) SYSTEMS AND METHODS FOR CONTROLLING OPERATION OF A VEHICLE	(51) B60K 35/00 B60K 37/04 B60Q 3/00 B60Q 3/14 B60Q 3/54 B60Q 3/62 B60Q 3/64 G02B 6/00 F21V 8/00	(51) B60K 35/00 B60K 37/06 G06F 1/16 (11) EP3976413 (21) EP20729984.3 (47) 23.08.2023 (87) EP2020064729
(73) Karma Automotive LLC (72) WALSH, Kevin BOSKOVITCH, Paul	(11) EP3941772 (21) EP20713706.8 (47) 23.08.2023 (87) FR2020050334	03.12.2020 (22) 27.05.2020 (54) DISPLAY DEVICE FOR A VEHICLE
(31) 201161550015 P (32) 21.10.2011 (33) United States of America	(22) 21.02.2020 (54) INTERIOR LIGHTING DEVICE FOR A MOTOR VEHICLE, COMPRISING A TRANSPARENT WALL PROVIDED WITH A MEMBER FOR POSITIONING SAME ON THE DEVICE WHICH IS CONFIGURED AS A LIGHT GUIDE	(73) Behr-Hella Thermocontrol GmbH (72) FUST, Winfried HAGEN, Andreas
(51) B60K 6/48 B60K 6/40 F16H 3/089	(73) PSA Automobiles SA (72) ROYER, Guillaume SCHNURIGER, Damien NORAIS, Marc	(31) 102019114357 (32) 28.05.2019 (33) Germany
(11) EP3699008 (21) EP20153655.4 (47) 23.08.2023 (22) 24.01.2020 (54) HYBRID DRIVE DEVICE OF A MOTOR VEHICLE	(31) 1902971 (32) 22.03.2019 (33) France	(51) B60K 35/00 B60K 37/06 G06F 3/041 G06F 3/01 H01H 3/00 (11) EP3867732 (21) EP19752443.2 (47) 23.08.2023 (87) EP2019070595
(73) Renault s.a.s (72) LEHONGRE, Claude BRIEC, Alain RAOUL, MICHEL	(31) 1901764 (32) 21.02.2019 (33) France	23.04.2020 (22) 31.07.2019 (54) OPERATING DEVICE FOR A VEHICLE
(31) 1901764 (32) 21.02.2019 (33) France	(51) B60K 35/00 B60K 37/06 B60R 1/00 B60R 11/02 G02B 27/01 B60R 11/00	(73) Behr-Hella Thermocontrol GmbH (72) KEMPPINEN, Pasi (31) 102018125769 (32) 17.10.2018 (33) Germany
(51) B60K 15/035 F02M 25/08 F16K 31/40	(11) EP3670233 (21) EP18213980.8 (47) 23.08.2023 (22) 19.12.2018 (54) VEHICLE WITH A DISPLAY DEVICE	(51) B60K 35/00 B62D 1/04 B60K 37/06 (11) EP4110642 (21) EP22727042.8 (47) 23.08.2023 (87) EP2022061554
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(54) INFORMATION PROVIDING	(21) EP19168441.4	(21) EP17749646.0
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MEDIUM STORING PROGRAM,	(54) CONVERTER ARRANGEMENT	08.02.2018
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(72) NEDACHI, Yoshiaki	(72) KREIENBUEHL, Martin	(73) Bayerische Motoren Werke
KOBAYASHI, Masahide	FRIEDLI, Thomas	Aktiengesellschaft
YAMAOKA, Daisuke	MARIAPPAN, Senthilnathan	(72) AMANN, Christian
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(51) B60L 3/00	B60L 9/30	(51) B60L 53/16
H05K 7/14	B60L 15/00	H01R 13/639
B60R 16/023	B60L 15/32	H01R 13/66
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(22) 04.03.2020	(21) EP19198010.1	(54) METHOD FOR CONTROLLING A
(54) INVERTER	(47) 23.08.2023	SAFETY SYSTEM OF A CHARGING
(73) NISSAN MOTOR Co., Ltd.	(22) 18.09.2019	STATION FOR CHARGING ELECTRIC
(72) HOSHIKA, Seiji	(54) RAIL VEHICLE	VEHICLES
ASAKURA, Daisuke	(73) Siemens Mobility GmbH	(73) VOLKSWAGEN AG
KUWAHARA, Takashi	(72) GLINKA, Martin Dr.	(72) Hirsch, Michael
YAMASHITA, Toshihiro	FETTER, Wolfgang	Meitzner, Matthias
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(33) Germany	JIN, Biao	METHOD AND DEVICE, AND BATTERY
(51) B60L 5/39	ZHANG, Wei	MANAGEMENT SYSTEM AND MEDIUM
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(73) Siemens Mobility Austria GmbH	(47) 23.08.2023	(11) EP2978101
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H01M 8/04111	(21) EP21158787.8	LI, Zhilin
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(47) 23.08.2023	HAAS, Hansjörg	A44B 11/25
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(54) VEHICLE WITH PNEUMATICALLY	(32) 19.03.2020	(21) EP20182043.8
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(73) Siemens Mobility GmbH	(51) B60N 2/66	(22) 24.06.2020
(72) PEYMANDAR, De-Niang Maria	B60N 2/02	(54) CHARGE PROTECTION NETWORK
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(33) Germany	(47) 23.08.2023	(73) WISTRA GmbH Cargo Control
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NACY, Michael, D.	(54) GRIPPING BAR, VEHICLE BODY	(21) EP21165988.3
ZHAO, Kai	COMPRISING SUCH A BAR AND	(47) 23.08.2023
MARINI, Detjon	VEHICLE COMPRISING SUCH A BODY	(22) 30.03.2021
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(73) Wonderland Switzerland AG	B62D 29/00	B60Q 1/00
(72) Cui, Zong Wang	(11) EP3828032	(11) EP3369622
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(21) EP17779444.3	28.05.2020	(21) EP21152032.5
(47) 23.08.2023	(22) 30.10.2019	(47) 23.08.2023
(87) SE2017050338	(54) STEERING HANDLE FOR A MOTOR VEHICLE	(22) 18.01.2021
12.10.2017	(73) VOLKSWAGEN	(54) AN AXLE ASSEMBLY
(22) 04.04.2017	(72) WOHLLEBE, Thomas	(73) J.C. Bamford Excavators Limited
(54) SELF-PROPELLING TROLLEY ASSEMBLY	(72) FRANKE, Kai	(72) Streat, Christopher Jack
(73) Electro Mobility Europe AB	(31) 102018219951	(31) 202000801
(72) ANDERSSON, Roland	(32) 21.11.2018	(32) 20.01.2020
(31) 1650459	(33) Germany	(33) United Kingdom
(32) 05.04.2016	(51) B62D 1/181	(51) B62D 7/15
(33) Sweden	B62D 1/183	(11) EP3303102
(51) B62B 5/06	(11) EP3810484	(21) EP16729432.1
B62B 1/18	(21) EP19745663.5	(47) 23.08.2023
(11) EP3529126	(47) 23.08.2023	(87) US2016035025
(21) EP17797171.0	(87) FR2019051297	08.12.2016
(47) 23.08.2023	26.12.2019	(22) 31.05.2016
(87) GB2017000155	(22) 03.06.2019	(54) UTILITY VEHICLE
03.05.2018	(54) METHOD FOR AN AUTONOMOUS VEHICLE FOR CONTROLLING A STEERING COLUMN PROVIDING A GUARD UNDER THE STEERING WHEEL	(73) MTD products Inc
(22) 20.10.2017	(73) PSA Automobiles SA	(72) WOODRUM, Adam
(54) A PAIR OF GRIPS FOR TIPPABLE APPARATUS	(72) MORIZE, Franck	PRYBOR, Jonathan
(73) ITIP Handles Limited	CAVAREC, Alan	EAVENSON, SR., Jimmy, N.
(72) ALNER, David Lee	RONDEL, Jeremie	(31) 201562168265 P
(31) 201617921	(31) 1855544	(32) 29.05.2015
(32) 24.10.2016	(32) 22.06.2018	(33) United States of America
(33) United Kingdom	(33) France	(51) B62D 11/04
(51) B62D 1/00	(51) B62D 5/04	E02F 9/22
(11) EP3838715	B62D 6/00	F15B 11/02
(21) EP20215418.3	(11) EP4026754	(11) EP3650314
(47) 23.08.2023	(21) EP21212315.2	(21) EP18827917.8
(22) 18.12.2020	(47) 23.08.2023	(47) 23.08.2023
(54) SYSTEM AND METHOD FOR FORCE COMPENSATION IN A ROBOTIC DRIVING SYSTEM	(22) 03.12.2021	(87) JP2018024810
(73) Humanetics Austria GmbH	(54) COMPENSATION OF STEERING SLIPPAGE IN A PLURALITY OF DRIVE MACHINES	10.01.2019
(72) Patrick, HOFMANNINGER	(73) VOLKSWAGEN AG	(22) 29.06.2018
GUGLER, Jürgen	(72) Dreyer, Dirk	(54) EXCAVATOR AND METHOD FOR CONTROLLING EXCAVATOR
(31) 201962951153 P	(31) 102021200093	(73) Sumitomo (S.H.I.) Construction Machinery Co., Ltd.
(32) 20.12.2019	(32) 07.01.2021	(72) MAEDA, Norio
(33) United States of America	(33) Germany	TANAKA, Takumi
(51) B62D 1/04	(51) B62D 6/00	MAKINO, Masaki
B62D 1/06	B62D 6/04	(31) 2017132031
B62D 15/02	G01C 21/00	(32) 05.07.2017
B62D 6/10		(33) Japan
		(51) B62D 15/02
		G08G 1/16
		(11) EP3599144
		(21) EP19176077.6
		(47) 23.08.2023

(22) 23.05.2019	(72) Shibahara, Taei	(73) PSA Automobiles SA
(54) DETECTION OF A STATUS OF A GARAGE DOOR DURING AUTONOMOUS PARKING	Honda, Masanori	(72) WANG, Ziye
(73) Valeo Schalter und Sensoren GmbH	Shouno, Noboru	REZKI, Tarek
(72) ILIE, Mihai	Kizaki, Isamu	(51) B62D 25/16
BARIANT, Jean Francois	Sugimura, Yuichi	(11) EP3860903
PRINZHAUSEN, Stefanie	Nonaka, Ryuji	(21) EP19794603.1
HUGHES, Ciaran	Okuyama, Tomohito	(47) 23.08.2023
(31) 102018117930	Kaiki, Eri	(87) FR2019052187
(32) 25.07.2018	Fujii, Hideaki	09.04.2020
(33) Germany	Nakayama, Daisuke	(22) 18.09.2019
(51) B62D 21/11	Suzuki, Kaori	(54) LOWER FRONT WING SUPPORT PROVIDING THE FUNCTION OF INTERFACING 3 DIFFERENT PARTS
B62D 21/02	Tanaka, Ori	(73) PSA Automobiles SA
B60G 5/02	(31) 2019135523	(72) SAINT DENIS, Lionel
B60G 7/00	(32) 23.07.2019	RIVIERRE, Laurent
B60G 7/02	(33) Japan	MOREAU, Ludovic
(11) EP3959116	(51) B62D 25/02	(31) 1871118
(21) EP20700663.6	B62D 25/04	(32) 03.10.2018
(47) 23.08.2023	B60J 5/04	(33) France
(87) EP2020050401	B62D 21/15	(51) B62D 35/00
29.10.2020	(11) EP3770048	B60J 5/10
(22) 09.01.2020	(21) EP20185912.1	(11) EP3750787
(54) VEHICLE CHASSIS HAVING TWIN WALLED BEAMS WITH SUSPENSION MOUNTING STRUCTURE	(47) 23.08.2023	(21) EP20175215.1
(73) Caterpillar SARL	(22) 15.07.2020	(47) 23.08.2023
(72) CADBURY-ALLEN, Joel Kenneth	(54) VEHICLE-BODY STRUCTURE OF VEHICLE, AND VEHICLE	(22) 18.05.2020
(31) 201905875	(73) MAZDA MOTOR CORPORATION	(54) TAILGATE WITH MECHANICALLY SECURED REAR AND SIDE SPOILER CONNECTION
(32) 26.04.2019	(72) Kizaki, Isamu	(73) Volkswagen AG
(33) United Kingdom	Okuyama, Tomohito	(72) Bösche, Thorben
(51) B62D 21/15	Nonaka, Ryuji	Franke, Sven
B62D 25/02	Ueki, Ken	(31) 102019116206
B62D 25/04	Gendo, Toshiyuki	(32) 14.06.2019
B60J 5/04	Kaiki, Eri	(33) Germany
(11) EP3770045	Kohira, Takehisa	(51) B62D 55/28
(21) EP20185922.0	Honda, Masanori	B62D 55/21
(47) 23.08.2023	(31) 2019135518	(11) EP3756982
(22) 15.07.2020	(32) 23.07.2019	(21) EP19183262.5
(54) VEHICLE-BODY STRUCTURE OF VEHICLE, AND VEHICLE	(33) Japan	(47) 23.08.2023
(73) MAZDA MOTOR CORPORATION	(51) B62D 25/08	(22) 28.06.2019
(72) Honda, Masanori	B62D 27/02	(54) TRACK LINK, METHOD OF MANUFACTURING THE SAME, AND TRACK ASSEMBLY
Okuyama, Tomohito	B23K 11/11	(73) thyssenkrupp AG
Kaiki, Eri	(11) EP3988431	Berco S.p.A.
Kizaki, Isamu	(21) EP21197393.8	(72) Maggiolini, Enrico
Nakayama, Daisuke	(47) 23.08.2023	Grenzi, Francesco
Fujii, Hideaki	(22) 17.09.2021	(51) B62D 63/06
Sugimura, Yuichi	(54) PANEL JOINT STRUCTURE, FRONT BODY STRUCTURE, AND VEHICLE	(11) EP4087772
Nonaka, Ryuji	(73) MAZDA MOTOR CORPORATION	(21) EP21704602.8
Suzuki, Kaori	(72) YAMAMOTO, Kenichi	(47) 23.08.2023
Tanaka, Ori	KAGIMOTO, Koki	(87) FR2021050017
Shibahara, Taei	KIMURA, Hiroki	15.07.2021
Shouno, Noboru	WAKABAYASHI, Mitsuru	(22) 07.01.2021
(31) 2019135610	KAWAI, Noriyuki	(54) TRANSPORT TRAILER COMPRISING A SYSTEM FOR TILTING AND RIGHTING ITS DECK
(32) 23.07.2019	NAKAMAE, Takayuki	(73) Cochet
(33) Japan	MIYAMOTO, Koji	(72) COCHET, Ludovic
(51) B62D 21/15	OE, Teppei	(31) 2000132
B62D 25/04	(31) 2020177556	(32) 08.01.2020
B62D 25/02	(32) 22.10.2020	(33) France
B60J 5/04	(33) Japan	(51) B62H 3/12
(11) EP3770044	(51) B62D 25/10	E04H 6/00
(21) EP20185914.7	B62D 25/12	(11) EP3828061
(47) 23.08.2023	B62D 27/02	(21) EP20207492.8
(22) 15.07.2020	(11) EP3927598	
(54) VEHICLE-BODY STRUCTURE OF VEHICLE, AND VEHICLE	(21) EP19915651.4	
(73) MAZDA MOTOR CORPORATION	(47) 23.08.2023	
	(87) CN2019075330	
	27.08.2020	
	(22) 18.02.2019	
	(54) MULTI-PIECE REAR TRUNK LID	

(47) 23.08.2023	(54) BICYCLE IMAGE CAPTURING DEVICE	18.03.2021
(22) 13.11.2020	AND CONTROLLER FOR BICYCLE	(22) 04.09.2020
(54) STORAGE DEVICE, IN PARTICULAR	IMAGE CAPTURING DEVICE	(54) A MOTOR VEHICLE WITH A
FOR SPORTS EQUIPMENT	(73) Shimano Inc.	SUSPENSION USING A WATT FOUR-
(73) Alfred Schellenberg GmbH	(72) Van Hende, Iwan	BAR LINKAGE
(72) Schellenberg, Sascha	Ishizaka, Norihiko	(73) PIAGGIO & C. S.P.A.
Büttner, Manuel	Deschuymer, Piet	(72) RAFFAELLI, Andrea
(31) 101502	Komemushi, Takashi	(31) 201900015905
(32) 28.11.2019	(31) 2016078248	(32) 09.09.2019
(33) Luxembourg	(32) 08.04.2016	(33) Italy
(51) B62H 3/12	(33) Japan	(51) B62K 15/00
E04H 6/00	(51) B62J 50/21	F16B 2/18
B62H 5/00	B62J 3/10	(11) EP3584148
(11) EP3828062	H04M 1/724	(21) EP17902507.7
(21) EP20207494.4	G08G 1/0967	(47) 23.08.2023
(47) 23.08.2023	G08G 1/0968	(87) CN2017112046
(22) 13.11.2020	B60Q 9/00	27.09.2018
(54) ANTI-THEFT STORAGE DEVICE,	B60W 50/16	(22) 21.11.2017
IN PARTICULAR FOR SPORTS	G01C 21/36	(54) FOLDING DEVICE
EQUIPMENT	G08B 6/00	(73) Dahon Technologies Ltd.
(73) Alfred Schellenberg GmbH	H04M 1/72457	(72) LI, Jinzhong
(72) Schellenberg, Sascha	B60W 50/14	HON, David Tak Wei
Büttner, Manuel	(11) EP3842327	(31) 201720283486 U
(31) 101503	(21) EP19851485.3	(32) 22.03.2017
(32) 28.11.2019	(47) 23.08.2023	(33) China
(33) Luxembourg	(87) JP2019006556	(51) B62K 21/20
(51) B62J 15/00	27.02.2020	(11) EP3820766
(11) EP3398844	(22) 21.02.2019	(21) EP19766357.8
(21) EP16881691.6	(54) INFORMATION TRANSMISSION	(47) 23.08.2023
(47) 23.08.2023	DEVICE FOR OPEN MOVING	(87) IB2019055791
(87) JP2016088367	MACHINE	16.01.2020
06.07.2017	(73) Kawasaki Motors, Ltd.	(22) 08.07.2019
(22) 22.12.2016	(72) KINUHATA, Masanori	(54) A SUSPENSION SYSTEM FOR
(54) MUDGUARD MEMBER FOR SADDLED	(31) 2018154900	ARRANGEMENT WITHIN A STEERING
VEHICLE	(32) 21.08.2018	HEAD TUBE OF A BICYCLE
(73) Honda Motor Co., Ltd.	(33) Japan	(73) HiRide Suspension S.r.l.
(72) SASAKI, Takashi	(51) B62K 5/08	(72) NOCE, Fabio
OHARA, Takeshi	B62K 5/10	BORGESE, Domenico
YUZA, Yoshihide	B62K 21/02	CERESOLI, Luca
(31) 2015256491	B62K 25/00	(31) 20180007054
(32) 28.12.2015	B62K 25/24	(32) 10.07.2018
(33) Japan	B60G 3/20	(33) Italy
(51) B62J 37/00	B60G 15/06	(51) B62L 3/02
(11) EP3957555	(11) EP4028316	B60T 11/228
(21) EP20855877.5	(21) EP20768119.8	B60T 11/22
(47) 23.08.2023	(47) 23.08.2023	(11) EP3835191
(87) JP2020017214	(87) IB2020058236	(21) EP20209146.8
04.03.2021	18.03.2021	(47) 23.08.2023
(22) 21.04.2020	(22) 04.09.2020	(22) 23.11.2020
(54) SADDLE-TYPE VEHICLE	(54) A MOTOR VEHICLE WITH A	(54) HYDRAULIC TANK FOR A BICYCLE
(73) HONDA MOTOR CO., LTD.	SUSPENSION USING A ROBERTS	(73) Campagnolo S.r.l.
(72) KUMAR, Rohit	FOUR-BAR LINKAGE	(72) BOVE, Filippo
CHOPRA, Abhishek	(73) PIAGGIO & C. S.P.A.	MEGGIOLAN, Mario
HORIUCHI, Tetsu	(72) RAFFAELLI, Andrea	(31) 201900023988
(31) 201941034241	(31) 201900015911	(32) 13.12.2019
(32) 26.08.2019	(32) 09.09.2019	(33) Italy
(33) India	(33) Italy	(51) B62M 6/55
(51) B62J 45/00	(51) B62K 5/10	B62M 9/10
B62J 45/20	B62K 5/08	B62M 3/00
B62J 45/411	B62K 21/02	(11) EP3753836
B62J 45/416	B62K 25/00	(21) EP19764761.3
B62J 50/20	B62K 25/24	(47) 23.08.2023
(11) EP3228529	B60G 3/20	(87) JP2019004112
(21) EP17161863.0	B60G 15/06	12.09.2019
(47) 23.08.2023	(11) EP4028317	(22) 05.02.2019
(22) 20.03.2017	(21) EP20768117.2	(54) ELECTRIC ASSIST DEVICE FOR
	(47) 23.08.2023	BICYCLES AND BICYCLE
	(87) IB2020058233	(73) HONDA MOTOR CO., LTD.

(72) HONDA Satoshi TSUKAMOTO Kenji NAMIKI Yoshihiro KIKUCHI Hiroyuki	(11) EP3640128 (21) EP18817527.7 (47) 23.08.2023 (87) KR2018006673	(54) FENDER DEVICE FOR BOATS (73) Visca, Danilo Spina, Micaela (72) Visca, Danilo (31) 202000027816 (32) 19.11.2020 (33) Italy
(31) 2018039072 (32) 05.03.2018 (33) Japan	(20) 12.2018 (22) 12.06.2018 (54) RE-LIQUEFACTION SYSTEM OF EVAPORATIVE GAS AND SHIP	(51) B63C 11/02 G01M 3/32 G04D 7/00 G03B 17/08 (11) EP3847094 (21) EP19726500.2 (47) 23.08.2023 (87) IB2019053338 31.10.2019 (22) 23.04.2019 (54) METHOD FOR CHECKING POSSIBLE AIR LEAKS INSIDE INSTRUMENTATION FOR UNDERWATER USE
(51) B62M 6/55 B62M 11/02 (11) EP3980322 (21) EP20720139.3 (47) 23.08.2023 (87) IB2020053533 17.12.2020 (22) 15.04.2020 (54) ELECTRIC GEARMOTOR ASSEMBLY FOR BICYCLES (73) RMU Project S.r.l. (72) MANZINI, Andrea (31) 201900008541 (32) 10.06.2019 (33) Italy	(73) Hyundai Heavy Industries Co., Ltd. (72) KO, Yoon Ae PARK, Jong Wan LEE, Tae Seok YOO, Byeong Yong KIM, Dae Soo LEE, Jin Kwang HONG, Won Jong CHOI, Joe Young KANG, Min Ho (31) 20180062999 20170078371 20170074395 (32) 31.05.2018 21.06.2017 13.06.2017 (33) Korea (Republic) Korea (Republic) Korea (Republic)	(51) B63C 11/02 G01M 3/32 G04D 7/00 G03B 17/08 (11) EP3847094 (21) EP19726500.2 (47) 23.08.2023 (87) IB2019053338 31.10.2019 (22) 23.04.2019 (54) METHOD FOR CHECKING POSSIBLE AIR LEAKS INSIDE INSTRUMENTATION FOR UNDERWATER USE (73) Cressi-Sub S.p.A. (72) MARENCO, Giuseppe PEDEMONTE, Stefano (31) 201800004833 (32) 24.04.2018 (33) Italy
(51) B62M 9/10 (11) EP3792171 (21) EP20000349.9 (47) 23.08.2023 (22) 06.10.2017 (54) MULTI-GEAR PINION ASSEMBLY AND BICYCLE TRANSMISSION WITH SUCH A MULTI-GEAR PINION ASSEMBLY (73) SRAM Deutschland GmbH (72) Reinbold, Matthias (31) 102016012229 (32) 13.10.2016 (33) Germany	(51) B63B 32/10 B63B 1/28 B63H 21/17 B63B 32/60 B63B 32/64 (11) EP3707068 (21) EP18876974.9 (47) 23.08.2023 (87) CN2018114643 16.05.2019 (22) 08.11.2018 (54) MOTORIZED HYDROFOIL DEVICE (73) Yujet International Corporation Limited (72) TIAN, Yu (31) 201715807509 (32) 08.11.2017 (33) United States of America	(51) B64C 1/18 (11) EP3922547 (21) EP21159727.3 (47) 23.08.2023 (22) 26.02.2021 (54) LOCKING PANEL ASSEMBLY (73) The Boeing Company (72) OSBORNE, JOHN C. SCOTT, STEVEN A. (31) 202016897139 (32) 09.06.2020 (33) United States of America
(51) B63B 21/24 B63B 15/00 B63B 21/48 (11) EP3515800 (21) EP17851988.0 (47) 23.08.2023 (87) AU2017051025 29.03.2018 (22) 20.09.2017 (54) PIVOTING SEA ANCHOR SYSTEM (73) Women at Work Group Pty Ltd (72) ROOKE, Greg (31) 2016903795 (32) 20.09.2016 (33) Australia	(87) CN2018114643 16.05.2019 (22) 08.11.2018 (54) MOTORIZED HYDROFOIL DEVICE (73) Yujet International Corporation Limited (72) TIAN, Yu (31) 201715807509 (32) 08.11.2017 (33) United States of America	(51) B64C 1/18 B64C 1/06 B64C 1/00 (11) EP3838741 (21) EP20203376.7 (47) 23.08.2023 (22) 22.10.2020 (54) LONGITUDINAL BEAM JOINT FOR A PRESSURE DECK ASSEMBLY (73) The Boeing Company (72) VUKOSAV, Danilo COX, Daniel J. INGHAM, Steven D. LOCKIN, Charles B. MCLAUGHLIN, Mark R. (31) 201916716379 (32) 16.12.2019 (33) United States of America
(51) B63B 25/08 B65D 90/52 (11) EP3406513 (21) EP18175954.9 (47) 23.08.2023 (22) 05.03.2015 (54) SYSTEM FOR CONTROLLING IMPACT LOAD RESULTING FROM FLUID UNDER INTERNAL/EXTERNAL FORCE IN SPECIFIC ENVIRONMENT (73) Cytroniq Co., Ltd. (72) LEE, Michael MyungSub (31) 20140026086 (32) 05.03.2014 (33) Korea (Republic)	(51) B63B 35/00 B63B 27/16 B63G 8/00 B63C 11/42 B63B 3/14 (11) EP3778373 (21) EP20198858.1 (47) 23.08.2023 (22) 25.04.2017 (54) UNMANNED SURFACE VESSEL FOR REMOTELY OPERATED UNDERWATER VEHICLE OPERATIONS (73) Kongsberg Maritime AS (72) Callaway, Mark Levander, Oskar Sipilä, Sauli Petteri (31) 20160706 (32) 27.04.2016 (33) Norway	(51) B64C 1/18 B64C 1/06 B64C 1/00 (11) EP3838741 (21) EP20203376.7 (47) 23.08.2023 (22) 22.10.2020 (54) LONGITUDINAL BEAM JOINT FOR A PRESSURE DECK ASSEMBLY (73) The Boeing Company (72) VUKOSAV, Danilo COX, Daniel J. INGHAM, Steven D. LOCKIN, Charles B. MCLAUGHLIN, Mark R. (31) 201916716379 (32) 16.12.2019 (33) United States of America
(51) B63B 25/16 F17C 9/02	(51) B63B 59/02 (11) EP4001089 (21) EP21208867.8 (47) 23.08.2023 (22) 17.11.2021	(51) B64C 11/06 B64C 11/32 F04D 29/32 F01D 5/30 B64D 27/00 (11) EP4045398 (21) EP20803225.0 (47) 23.08.2023 (87) FR2020051867 22.04.2021 (22) 16.10.2020

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(72) BECKER, Brad	(47) 23.08.2023	(54) ASSEMBLY FOR AN AIRCRAFT, SAID
WARD, Brian	(22) 10.12.2019	ASSEMBLY COMPRISING A PYLON
NICHOLAS, Richard Peter John	(54) AIRCRAFT ENVIRONMENTAL	AND A WING
SMITH, Jeremy	CONTROL SYSTEM	(73) AIRBUS OPERATIONS
SIMPSON, Nicole	(73) Collins Aerospace Ireland, Limited	(72) MESSINA, Paolo
HARCUP, Anthony	(72) ZHU, Yonghua	PAUTIS, Olivier
EVANS, Jean	THIBAUD, Catherine	(31) 2010695
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(54) AIRCRAFT SEATING DEVICE	AND AIR CONDITIONING SYSTEM IN	(22) 28.10.2016
(73) Recaro Aircraft Seating GmbH & Co. KG	AIRCRAFT SEAT	(54) AIRCRAFT FUEL SYSTEM
(72) JUSSLI, Zoltan	(73) Collins Aerospace Ireland, Limited	(73) Eaton Intelligent Power Limited
ERB, Andreas	(72) PEARSON, Matthew Robert	(72) WOOD, John
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(22) 09.04.2021	(73) AMI Industries, Inc.	(72) FENG, Fan
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ASSISTED ACTUATION	HOLSTINE, Steve	LIU, Ruopeng
(73) B/E Aerospace, Inc.	STRIBRNY, Casey	YAO, Xiaohui
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(73) Bombardier Inc.	B65B 59/02	BOTTOM
(72) FIGUEIREDO, Erol	B65B 61/20	(73) Sidel Participations
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(32) 25.03.2020	(72) DONG, Lanfei	



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(73) GPI Frankfurt & Augsburg GmbH	B21D 43/18	(51) B65D 41/34 B65D 55/16
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B65D 5/54	(73) Amada Co., Ltd.	(73) Acqua Minerale San Benedetto S.p.A.
B65D 5/32	(72) ANDUJO Abraham	(72) ZOPPAS, Enrico
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(73) Trisa Holding AG	F25D 3/14	(54) STOPPER FOR A CONTAINER
(72) Röthlisberger-Büchli, Thomas	(11) EP3925900	(73) KISICO Kirchner, Simon & Co. GmbH
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Fischer, Herbert	(47) 23.08.2023	(51) B65D 55/16 B65D 5/74 B65D 41/34 B26F 1/18
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(87) DE2018100222	B41J 2/01	(73) BERICAP Holding GmbH
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(54) TRANSPORT APPARATUS AND METHOD AND DEVICE FOR PRODUCING THE TRANSPORT APPARATUS	B41J 3/413	(33) Germany
(73) KTP Kunststoff Palettentechnik GmbH	(11) EP3901048	(51) B65D 55/16 B65D 41/34
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(32) 10.03.2017	(54) PRINT SYSTEM	(73) Betapack, S.A.U.
(33) Germany	(73) ALTEMIRA Co., Ltd.	(72) BERROA GARCÍA, Francisco, Javier
(51) B65D 19/26	(72) IKEDA, Kazunori	(51) B65D 65/46 C08K 5/092 C08L 29/04 C08F 216/06 C08K 5/053 C08F 220/58 C08F 226/10 C08J 5/18
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(51) B65D 19/44	(73) Yoshino Kogyosho Co., Ltd.	
	(72) TAKAHASHI Tetsuo	
	AZUMA Kazumi	
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(33) Japan	14.05.2021	MOTORS AND PROTECTION COVER
(51) B65D 75/32	(22) 05.11.2020	ON THE DRIVING SURFACE
B65D 81/22	(54) CONTAINER FOR WASTE	(73) Syntegon Technology GmbH
(11) EP4028337	COLLECTION	Syntegon Packaging Systems AG
(21) EP20767807.9	(73) Nord Engineering S.p.A.	(72) RAATZ, Heike
(47) 23.08.2023	(72) ARMANDO, Massimo	WIPF, Alfred
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(22) 08.09.2020	(33) Italy	(33) Germany
(54) DISPOSABLE PACKAGE FOR AT	(51) B65F 1/16	(51) B65G 43/08
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(73) Constantia Pirk GmbH & Co. KG	B65F 1/06	B65G 47/64
(72) FRISCHMANN, Stefan	(11) EP2918518	B65G 47/08
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(73) Merck Sharp & Dohme LLC	DAMIJONAITIS, Arunas, Jonas	(72) Ebbinghaus-Kintscher, Ulrich
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Korea (Republic)	Sobute New Materials Co., Ltd.	(72) Takemura, Katsuya
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(73) Kao Corporation	B09B 3/00	(72) POLLAK, Keith William
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(72) Kasei, Yuki	C08L 9/00	KWON, Won Sang
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C09J 163/00	(47) 23.08.2023	SHIBA, Keisuke
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(73) Youngil Co. Ltd.	(51) C09D 5/00	United States of America
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LEE, Dong Chang	(73) Axalta Coating Systems GmbH	ISHIKAWA, Hideki
NOH, Wan Ki	(72) HUESMANN, Thomas	SAITO, Masatoshi
SEO, Kyeong Bae	(31) 201962914206 P	FUKUSHIRO, Masato
LEE, Hyung Joo	(32) 11.10.2019	(31) 2019192281
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H01K 3/10	(51) C09D 133/02	C08K 3/20
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(21) EP19700908.7	B05D 7/24	(11) EP3395920
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(72) NAZEERUDDIN, Mohammad Khaja HUCKABA, Aron J. KINGE, Sachin	C08G 18/24	
(51) C09D 11/38	C08G 18/34	(73) POSCO Co., Ltd
C09D 11/322	C08G 18/44	(72) CHOI, Heon Jo
C09D 11/36	C08G 18/75	BONG, Won-Seog
H03K 3/10	C08G 63/127	KIM, Jung Woo
H05K 1/09	C09D 133/12	NO, Tae Young
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B32B 15/02	(54) AQUEOUS COATING COMPOSITION AND METHOD FOR PRODUCING AQUEOUS COATING COMPOSITION	(73) tesa SE
B32B 15/08	(73) Nippon Paint Automotive Coatings Co., Ltd.	(72) Klingeberg, Kerstin
B32B 15/18	(72) OHTONARI, Masatoshi	Simonis, Heike
B32B 27/28	OKADA, Takuma	Guldbrandsen, Lars
B32B 27/30	NAKAMOTO, Mari	Schuh, Christian
B32B 27/32	MATSUSHIMA, Mika	Wedel, Nadine
B32B 27/34	FUJIMOTO, Hiromi	(31) 102019103120
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	(72) MCEWAN, Kayleigh LATHAM, Mark	OOTAKE, Hironao
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METHOD FOR OPERATING SAID	C07C 13/72	(31) 2019050632
REFRIGERATOR	C07C 25/22	(32) 19.03.2019
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BASED ON NATURAL PROTEIN FIBER	(32) 22.12.2017	CONTROLLED ALIGNMENT AND
AND A RAW WOOL BASED ON THE	(33) France	UNIFORM CELL DISTRIBUTION
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(73) Ecco Sko A/S	D04B 9/40	(72) DE AGUIAR PEREIRA MARQUES,
Spinnova Oy	D04B 15/02	Paula Alexandrina
(72) LIUKKONEN, Johanna	(11) EP3953513	GODINHO COMPLETO, António Manuel
GØGSIG, Thomas	(21) EP20719717.9	(31) 2020116145
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MYLLYS, Markko	15.10.2020	(51) D05B 71/00
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HAAVISTO, Sanna	LOOP S.R.L.	A SEWING MACHINE, METHOD FOR
(31) 20175134	Conti, Gianni	LUBRICATING A LUBRICATION POINT
(32) 15.02.2017	(72) CONTI, Gianni	OF A SEWING MACHINE AND SEWING
(33) Finland	VENNI, Massimo	MACHINE
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(73) Trützschler Group SE	(21) EP20167558.4	D06F 103/18
(72) LEINDERS, Christoph	(47) 23.08.2023	D06F 105/02
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(73) BSH Hausgeräte GmbH	(72) LEE, Manseok	(73) Gree Electric Appliances, Inc. of Zhuhai
(72) Wetzlar, Stefan	CHO, Sangho	(72) ZHU, Yandong
Panke, Nicolai	PARK, Yein	ZHU, Jing
Beckmann, Tyl	(31) 20200021223	GENG, Bin
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(32) 17.05.2019	(33) Korea (Republic)	CHEN, Mingyu
(33) Germany		ZHONG, Jianfu
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B01F 23/232	D06F 33/30	LIU, Jia
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B01F 25/433	(11) EP3737788	SITU, Fuqi
B01F 25/441	(21) EP19700350.2	CHEN, Bo
B01F 25/452	(47) 23.08.2023	YANG, Hongyong
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(47) 23.08.2023	(54) METHOD FOR DETERMINING A POSITION OF AN APPARATUS WHICH CAN BE INSERTED INTO A DOMESTIC DEVICE	(51) D06F 39/14
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(72) SUN, Jin	(32) 09.01.2018	(47) 23.08.2023
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GAO, Yuan	(51) D06F 39/08	03.10.2019
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B01F 23/232	(73) Whirlpool Corporation	E05C 19/02
B01F 23/234	(72) Chiorino, Carlo	(11) EP4043635
B01F 25/433	Mancini, Mauro	(21) EP21157161.7
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SUN, Jin	(73) Electrolux Appliances Aktiebolag	(73) SEB S.A.
GAO, Yuan	(72) TARTUFERI, Mariano	(72) BONY, Laura
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AND STRUCTURING IN A TISSUE	MISCANTHUS AND METHOD FOR	VIEDMA PONCE, Ramon
MAKING PROCESS	MANUFACTURING THE SAME	HASSIDOV PLESER, Aviv

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(73) Boostheat	F04C 14/00	(73) Pfeiffer Vacuum Technology AG
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(51) F04B 39/08	(54) DEVICE FOR PROTECTING	F04C 29/00
F04B 39/10	AN ELECTRIC PUMP AGAINST	F04C 23/00
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AND COMPRESSOR COMPRISING	(51) F04C 2/10	(54) COMPRESSOR BASEPLATE WITH
SUCH A PLATE	F04C 14/24	STIFFENING RIBS FOR INCREASED
(73) Ananke	F04C 15/06	OIL VOLUME AND RAIL MOUNTING
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(33) France	(22) 26.11.2020	WANG, Xianghong
(51) F04B 43/00	(54) LIQUID PUMP, IN PARTICULAR	DUPPERT, Ronald J.
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F16K 15/14	TRANSMISSION OF AN ELECTRIC OR	(31) 201213427984
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B64G 1/60	XU, Jia	F25B 1/04
C02F 1/66	DU, Zhongcheng	F04C 18/02
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(54) HUMIDIFIER	SAWADA, Masae	DUCTING COMPONENTS
(73) Daikin Industries, Ltd.	(31) 2015101268	(73) DEC Technologies B.V.
(72) Kamei, Noritaka	(32) 18.05.2015	(72) DE GOEIJ, Theodorus Anthonius
Tanaka, Naohiro	(33) Japan	GÜL, Siraç
Matsui, Hidenori	(51) F24F 11/30	(51) F24F 13/10
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(32) 07.05.2018	F24F 11/64	F24F 13/14
(33) Japan	F24F 11/65	F24F 11/64
(51) F24F 11/00	H04L 67/125	F24F 11/79
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B25J 21/02	F24F 120/20	(21) EP18790011.3
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(47) 23.08.2023	04.06.2020	(54) METHOD AND DEVICE FOR ROTATING
(87) EP2017082501	(22) 29.01.2019	AIR DEFLECTOR TO PRESET
21.06.2018	(54) AIR-CONDITIONING DEVICE	POSITION AND AIR CONDITIONER
(22) 13.12.2017	CONTROL METHOD AND AIR-	(73) Gree Electric Appliances, Inc. of Zhuhai
(54) PROTECTED CONTAINMENT	CONDITIONING DEVICE	(72) FENG, Shaoguang
CHAMBER AND CONNECTED	(73) GD Midea Air-Conditioning Equipment	WANG, Chunjie
METHOD	Co., Ltd.	YU, Weiquan
(73) I.M.A. Industria Macchine Automatiche	(72) ZHANG, Xiaohui	(31) 201710286215
S.p.A.	GUO, Jun	(32) 26.04.2017
(72) GIOVANNINI, Carlo	(31) 201811450527	(33) China
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(87) KR2017000226	(22) 24.04.2020	(54) INDOOR UNIT FOR AIR CONDITIONER
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(22) 06.01.2017	SENSOR FOR A HEAT PUMP AND	(72) NOUCHI, Yoshiteru
(54) AUTOMATIC TEMPERATURE	AIR CONDITIONING APPARATUS	KOJIMA, Nobuyuki
CONTROLLING METHOD AND DEVICE	INCLUDING SAME	(31) 2014200363
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SEO, Jeongil	Petele, Jan	F28D 21/00
VINJAM, Vishnu Vardhan	(51) F24F 11/63	F23L 15/02
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(32) 06.01.2016	F24F 140/50	F24D 5/02
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G05B 13/04	(22) 09.04.2019	(87) AL2017000001
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(73) Mitsubishi Electric Corporation	(47) 23.08.2023	(21) EP21202889.8



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(22) 15.10.2021	(47) 23.08.2023	(73) LG Electronics Inc.
(54) METHOD AND DEVICE FOR SEALING AN EXHAUST GAS AREA OF A HEATING DEVICE, IN PARTICULAR A CONDENSING BOILER, RELATIVE TO AN INSTALLATION SPACE	(22) 19.06.2018	(72) KIM, Minsoo
(73) Vaillant GmbH	(54) TEST CHAMBER AND METHOD	LEE, Youngmin
(72) Gaisbauer, Norbert	(73) Weiss Technik GmbH	CHO, Eunjun
Gontov, Sergey	(72) HAACK, Christian	RYU, Jihyeong
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(33) Germany	REUSCHEL, Dennis	<hr/>
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(22) 28.09.2020	(47) 23.08.2023	(73) Valeo Autosystemy SP. Z.O.O.
(54) HOUSING FOR REMOVING CONDENSATE OF A HEATING DEVICE AND HEATING DEVICE COMPRISING SUCH A HOUSING	(22) 23.08.2010	(72) GLUCHOWSKI, Marek
(73) Robert Bosch GmbH	(54) CRYOPUMP USING RARE-EARTH REGENERATOR MATERIAL PARTICLES	JUGOWICZ, Andrzej
(72) Steen van der, Peter	(73) Toshiba Materials Co., Ltd.	OCHALA, Wojciech
Schoenmaker, Bart Cornelis	KABUSHIKI KAISHA TOSHIBA	<hr/>
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(54) MULTI-STAGE HEAT ENGINE	(22) 07.07.2021	PFEIL, Dennis
(73) Vlaamse Instelling voor Technologisch Onderzoek NV (VITO NV)	(54) MULTIFUNCTIONAL VEHICLE-MOUNTED REFRIGERATOR WITH A PLUG-IN BATTERY	(31) 102017206547
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(72) VAN BAEL, Johan	(72) HE, Shengming	(33) Germany
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(22) 03.11.2014	(21) EP21178914.4	(73) Snap-on Incorporated
(54) REFRIGERATOR	(47) 23.08.2023	(72) PENNACCHIA, Paolo
(73) LG Electronics Inc.	(22) 11.06.2021	GOVEKAR, Craig F.
(72) LIM, Hyoungkeun	(54) REFRIGERATING APPARATUS WITH A SINGLE-PIECE STATIC HEAT REMOVAL DEVICE	(31) 201700068652
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		(54) CHILLER SUCTION FLOW LIMITING WITH INPUT POWER OR MOTOR CURRENT CONTROL

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(72) SU, Xiuping	REFRIGERATOR	(32) 12.03.2020
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KAUFFMAN, Justin Patrick	KIM, Jong-Gon	(51) F25D 17/04
CRANE, Curtis Christian	KWON, Oh-Chul	F25D 25/00
(51) F25B 49/02	KIM, Myung-Soo	(11) EP3798550
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(47) 23.08.2023	20060026660	DISPLAY OF A LID, AND A DOMESTIC
(87) JP2020017720	(32) 23.03.2006	REFRIGERATOR
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(73) Daikin Industries, Ltd.	(33) Korea (Republic)	Staud, Ralph
(72) FUJIMOTO, Tooru	Korea (Republic)	Tischer, Thomas
HIRAI, Kousuke	Korea (Republic)	Kessler, Andreas
SAKAI, Gakuto	Korea (Republic)	(31) 102019214596
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(47) 23.08.2023	(47) 23.08.2023	CONTROLLING SAME
(22) 03.06.2021	(87) IB2014061117	(73) LG Electronics Inc.
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(73) Stiebel Eltron GmbH & Co. KG	TRANSPORTING AND	CHOI, Sangbok
(72) Herrs, Martin	DISTRIBUTING REFRIGERATED	(31) 20180034490
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(32) 09.06.2020	INSULATED COMPARTMENTS	(51) F25D 23/00
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AND METHOD FOR OPERATING A	(51) F25D 11/00	THEREOF
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(73) Stiebel Eltron GmbH & Co. KG	(11) EP3943843	(72) SCHUSTER, Markus
(72) Hildebrandt, Silvia	(21) EP20774760.1	HAEHN, Thomas
Herr, Martin	(47) 23.08.2023	VINZ, Sascha
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F25C 5/18	TEMPERATURE PROCESSING	(21) EP20707416.2
F25D 17/06	SYSTEM, SETTING TEMPERATURE	(47) 23.08.2023
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FINK, Andrea	CARGO LOAD	14.03.2019
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(33) China	DIMAGGIO, Luke	RECOVERY OF NEON AND OTHER
(51) F25D 23/06	KUMAR, Kartik	NON-CONDENSABLE GASES AND OF
(11) EP3851778	CHEN, Yu H.	XENON AND KRYPTON FROM AN AIR
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COMPRISING A REINFORCING	(51) F25D 29/00	CHAKRAVARTHY, Vijayaraghavan, S.
ASSEMBLY	A61B 5/00	TUO, Hanfei
(73) Whirlpool Corporation	A47L 15/42	DRAY, James, R.
(72) Stewart, Aaron Michael	F24C 7/08	(31) 201715695381
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Phalak, Sanket Vivek	D06F 33/00	(51) F26B 13/18
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(47) 23.08.2023	(73) BSH Hausgeräte GmbH	AND PAPERMAKING METHOD
(22) 14.10.2021	(72) NEITZEL, Thomas	(73) Kurita Water Industries Ltd.
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(47) 23.08.2023	(33) Japan	(54) METHOD AND PLANT FOR
(22) 08.12.2020	(51) F25J 1/00	PRODUCING CEMENT CLINKER OR
(54) AN APPLIANCE WITH AN	F25J 1/02	ANOTHER MINERAL PRODUCT
ILLUMINATED TRIM ASSEMBLY	F25J 5/00	(73) thyssenkrupp AG
(73) Whirlpool Corporation	B33Y 80/00	thyssenkrupp Industrial Solutions AG
(72) Pathak, Sanjesh Kumar	(11) EP3707448	(72) HAACK, Aimo Dirk
Navalgund, Manjunathreddi	(21) EP18815526.1	UNGETHÜM, Frank
Naik, Abhay	(47) 23.08.2023	UHDE, Martin
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(22) 09.03.2021	(33) China China	(11) EP3882552 (21) EP20164725.2 (47) 23.08.2023 (22) 20.03.2020
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C08F 214/26	G02B 6/42	G02B 21/24
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(73) CANON KABUSHIKI KAISHA	(54) METHOD FOR HARMONIC TUNING OF	(73) Siemens Aktiengesellschaft
(72) ITO, Yoshihiro	AT LEAST ONE GONG FOR A CHIMING	(72) Walter, Maximilian
MURAKAMI, Ryuta	MECHANISM OF A WATCH	Barthel, Herbert
SUZUKI, Tetsuji	(73) Montres Breguet S.A.	(51) G05B 13/02
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(54) ACCESSORY MANAGEMENT SYSTEM USING ENVIRONMENT MODEL	(51) G05B 19/042	(54) A KNOWLEDGE-BASED PROGRAMMABLE LOGIC CONTROLLER WITH FLEXIBLE IN-FIELD KNOWLEDGE MANAGEMENT AND ANALYTICS
(73) Apple Inc.	F23N 5/00	(73) Siemens Aktiengesellschaft
(72) HASKINS, Harlan	G05B 11/42	(72) WANG, Lingyun
NADATHUR, Anush G.	F17D 5/02	ROSCA, Justinian
BURKS, Andrew	G01M 3/02	LEPRATTI, Raffaello
MCLAUGHLIN, Kevin P.	G01N 27/407	LAMPARTER, Steffen
RAMA, Srinivas	G01N 33/00	(31) 201514800729
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(72) KITAMURA Akihiro                  (31) 2016121420                  (32) 20.06.2016                  (33) Japan                  (51) G05B 19/418                  B65G 47/00                  (11) EP3593214                  (21) EP18706262.5                  (47) 23.08.2023                  (87) EP2018054139                  13.09.2018                  (22) 20.02.2018                  (54) METHOD AND DEVICE FOR                  HANDLING CONTAINERS                  (73) Kronos AG                  (72) HAHN, Wolfgang                  WOELFEL, Heinz                  RISSE, Norbert                  (31) 102017203965                  (32) 10.03.2017                  (33) Germany                  (51) G05B 19/418                  H04L 12/40                  H04L 12/403                  (11) EP3674824                  (21) EP18248171.3                  (47) 23.08.2023                  (22) 28.12.2018                  (54) METHOD FOR OPERATING A                  COMMUNICATION SYSTEM FOR                  TRANSFERRING TIME-CRITICAL DATA                  AND COMMUNICATION DEVICE                  (73) Siemens Aktiengesellschaft                  (72) Weichlein, Thomas                  (51) G05B 23/02                  (11) EP2862032                  (21) EP12879309.8                  (47) 23.08.2023                  (87) SE2012000094                  27.12.2013                  (22) 19.06.2012</p>	<p>(54) RELIABLE PREDICTION OF LIFE                  CONSUMPTION OF A MACHINE                  COMPONENT                  (73) GKN Aerospace Sweden AB                  (72) LARSSON, Anders                  ANDERSSON, Magnus                  (51) G05B 23/02                  (11) EP3951535                  (21) EP21184665.4                  (47) 23.08.2023                  (22) 09.07.2021                  (54) DATA MANAGEMENT SYSTEM, DATA                  MANAGEMENT METHOD, AND DATA                  MANAGEMENT PROGRAM                  (73) Yokogawa Electric Corporation                  (72) EMA, Nobuaki                  YOSHIDA, Yoshitaka                  (31) 2020132480                  (32) 04.08.2020                  (33) Japan                  (51) G05B 23/02                  (11) EP3550391                  (21) EP19166812.8                  (47) 23.08.2023                  (22) 02.04.2019                  (54) TESTING AUTONOMOUS                  RECONFIGURATION LOGIC FOR AN                  ELECTROMECHANICAL ACTUATOR                  (73) Hamilton Sundstrand Corporation                  (72) GARDOW, Peter E.                  AVRITCH, Steven A.                  DICKIE, David F.                  (31) 201815943626                  (32) 02.04.2018                  (33) United States of America                  (51) G05B 23/02                  (11) EP3839680                  (21) EP19218590.8                  (47) 23.08.2023                  (22) 20.12.2019                  (54) METHOD AND DEVICE FOR                  CONTROLLING A MACHINE USING                  PRINCIPAL COMPONENT ANALYSIS                  (73) Robert Bosch GmbH                  (72) Munoz Delgado, Andres Mauricio                  (51) G05B 23/02                  (11) EP3936957                  (21) EP20184689.6                  (47) 23.08.2023                  (22) 08.07.2020                  (54) ERROR-BASED METHOD FOR                  CALCULATING A REMAINING USEFUL                  LIFE OF AN APPARATUS                  (73) Bull SAS                  (72) Ajmera, Abhinav                  (51) G05B 23/02                  F03D 17/00                  (11) EP3974930                  (21) EP21198336.6                  (47) 23.08.2023                  (22) 22.09.2021                  (54) SYSTEMS AND METHODS FOR                  OPERATING A POWER GENERATING                  ASSET                  (73) General Electric Company                  (72) Zhang, Zhanpan                  Gil, Alvaro Enrique</p>	<p>Ripple, Jr., Frank William                  Barden, Kyle Raymond                  Mihok, John Joseph                  Xia, Jin                  Zhao, Guangliang                  (31) 202017032218                  (32) 25.09.2020                  (33) United States of America                  (51) G05D 1/00                  G05D 1/02                  B60W 60/00                  (11) EP3862836                  (21) EP21154170.1                  (47) 23.08.2023                  (22) 29.01.2021                  (54) VEHICLE CRUISE CONTROL SYSTEM                  USING TWO CONTROL ECU'S                  (73) MAZDA MOTOR CORPORATION                  NXP B.V.                  (72) Van den Bossche, Arnaud                  TSUCHIYAMA, Kiyoyuki                  HOJIN, Eiichi                  TASAKI, Atsushi                  Surico, Leonardo                  Horigome, Daisuke                  Hamano, Daisuke                  Hashimoto, Yosuke                  Kihara, Yusuke                  Marshal, Ray                  ISHIBASHI, Masato                  FUTA, Tomotsugu                  (31) 2020018015                  (32) 05.02.2020                  (33) Japan                  (51) G05D 1/00                  G05D 1/02                  G06F 15/78                  G06N 3/063                  B60W 50/023                  B60W 60/00                  B60W 50/00                  (11) EP3707572                  (21) EP18816312.5                  (47) 23.08.2023                  (87) US2018060205                  16.05.2019                  (22) 09.11.2018                  (54) SYSTEMS AND METHODS FOR                  SAFE AND RELIABLE AUTONOMOUS                  VEHICLES                  (73) Nvidia Corporation                  (72) GANAPATHI, Ram                  NISTER, David                  TRUOG, Mike                  HETTENA, Dan                  FARABET, Clement                  DITTY, Michael Alan                  MATHIESON, John                  SWEEDLER, Jonathan                  PERRIN, Daniel                  GREB, Karl                  YOUSUF, Mohammed, Abdulla                  FLORY, Kevin                  CHAN, T.Y.                  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A01D 34/00	VEHICLE	TIANA, Carlo L.
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TELLER, Eric	(72) HARRISON-NOONAN, Tobias J.	(73) Samsung Electronics Co., Ltd.
PANTALONE, Giulia	PANDYA, Sameer	(72) HAN, Sanggeun
KUBIE, Martin		RHEE, Bongjae
WOODWORTH, Adam		KIM, Dongchurl
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VIRTANEN, Juha	G06V 10/82	Chen, Mingqing
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(54) 3D HAND POSE ESTIMATION	11.11.2021	CORRESPONDING DRIVE UNIT
BASED ON DEPTH-IMAGE GUIDED	(22) 16.12.2020	(73) Savoye
ADVERSARIAL NETWORK	(54) SYSTEMS AND METHODS UTILIZING	(72) COLLIN, Jean-Michel
(73) Tencent America LLC	AC OVERBUILT RENEWABLE	PIETROWICZ, Stéphane
(72) FAN, Wei	ELECTRIC GENERATION RESOURCE	VACHER, Blandine
HAN, Lianyng	AND CHARGE STORAGE DEVICE	(31) 1860027
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(72) WECKER, David	(73) Savoye	(51) G06Q 10/08
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AUTHENTICATION FOR ACCESSING A	(33) United Kingdom	IN BIOMEDICAL IMAGING
SECURE APPLICATION WITH A USER	(51) G06T 5/00	(73) Memorial Sloan Kettering Cancer Center
DEVICE	G06T 3/40	(72) FUCHS, Thomas
(73) Capital One Services, LLC	G06N 3/04	CAMPANELLA, Gabriele
(72) JOHNSON, Molly	G06N 3/08	(31) 201862670432 P
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(54) MOBILE TERMINAL, MOBILE	(22) 26.06.2018	ERRORS IN PARAMETERS
TERMINAL PROGRAM, CHECKPOINT	(54) ACTIVE ALIGNMENT CORRECTION	DERIVED FROM DIGITAL OBJECT
MANAGEMENT SYSTEM, AND	FOR OPTICAL SYSTEMS	REPRESENTATIONS
CHECKPOINT MANAGEMENT	(73) Qualcomm Incorporated	(73) Volume Graphics GmbH
METHOD	(72) NAING, Htet	(72) GÜNTHER, Thomas
(73) The Aqua Enterprise Company	ATANASSOV, Kalin Mitkov	POLIWODA, Christoph
(72) YANO, Koichi	LINDNER, Albrecht Johannes	REINHART, Christof
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(32) 18.12.2019	READABLE STORAGE MEDIUM	(22) 23.11.2018
(33) Korea (Republic)	(73) Siemens Healthcare GmbH	(54) SELECTIVE DISTORTION OR
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ZHOU, Ling	(72) TAMMA, Venkata, Ananth	Japan
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(22) 01.11.2019	(73) Zeon Corporation	(31) 201810695585
(54) INTERCONNECTS FOR LIGHT EMITTING DIODE CHIPS	(72) ISSHIKI Yasuhiro	(32) 29.06.2018
(73) Creeled, Inc.	SONOBE Kenya	(33) China
(72) CHECK, Michael	(31) 2017033955	(51) H01M 4/131
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(22) 27.04.2018	C04B 111/00	(54) ELECTROLYTE ADDITIVE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME
(54) LIGHT-EMITTING MODULE	H01M 4/02	(73) Samsung SDI Co., Ltd.
(73) NICHIA CORPORATION	(11) EP3582299	(72) Cho, Wonseok
(72) ISHIKAWA, Tetsuya	(21) EP18751252.0	Woo, Myungheui
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| (72) HESSION, John A                      | H01M 4/134                         | (22) 16.07.2019                       |
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| MILLER, John S                            | C09D 133/26                        | HEAT UTILIZATION                      |
| WANG, Yufei                               | H01M 4/02                          | (73) Siemens Mobility GmbH            |
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| H01M 10/0525                              | (54) NONAQUEOUS SECONDARY          | H01M 8/0276                           |
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| COMPOSITION, LITHIUM ION                  | (33) Japan                         | (72) STAHL, Peter                     |
| SECONDARY BATTERY POSITIVE                | (51) H01M 4/62                     | KRAFT, Jürgen                         |
| ELECTRODE, AND LITHIUM ION                | H01M 4/134                         | FINK, Oliver                          |
| SECONDARY BATTERY                         | H01M 4/131                         | GRÖH, Alexander                       |
| (73) Denka Company Limited                | H01M 10/052                        | DAHL, Karsten                         |
| (72) OSUMI, Shinichiro                    | H01M 4/38                          | (31) 102017117146                     |
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| H01M 50/249                               | AND NEGATIVE ELECTRODE FOR         | C08K 3/22                             |
| H01M 50/209                               | LITHIUM SECONDARY BATTERY          | C08F 214/26                           |
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| H01M 4/133                                | (73) LG Energy Solution, Ltd.      | C09D 127/18                           |
| H01M 4/525                                | (72) KIM, Young-Jae                | H01M 8/1004                           |
| H01M 4/587                                | YOO, Jung-Woo                      | H01M 8/1007                           |
| H01M 4/02                                 | KIM, Ye-Lin                        | H01M 8/1023                           |
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| AND EQUIPMENT                             | (47) 23.08.2023                    | MEMBRANE ELECTRODE ASSEMBLY           |
| (73) Contemporary Amperex Technology Co., | (87) IB2020060806                  | AND POLYMER ELECTROLYTE FUEL          |
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| YANG, Xianwei                             | (54) SPENT OR DECOMMISSIONED       | (72) WATABE, Hiroyuki                 |
| XUE, Qingrui                              | ACCUMULATOR TREATMENT PLANT        | OKUYAMA, Takumi                       |
| ZHANG, Zige                               | AND PROCESS                        | SAITO, Susumu                         |
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(51) H04L 1/18	H04W 72/0453	CONTROL CHANNEL
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(54) RECEIVER-SPECIFIC TRANSMISSION	(47) 23.08.2023	AKKARAKARAN, Sony
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METHOD AND DEVICE	United States of America	(22) 28.06.2017
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(51) H04L 5/00	(51) H04L 9/08	THAT LEADS TO AN AUTOMATED
H04W 76/27	G06F 21/54	PAYROLL METHOD AND SYSTEM
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(73) Fuji Corporation	Jeon, Haseok	(51) H10K 85/60
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TESHIMA, Chikashi	Jang, Mi	H01G 9/20
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(72) MONTEIRO DINIZ REIS, Daniel  
SCHARY, Timo  
TOMASCHKO, Jochen  
SCHATZ, Frank  
PANTEL, Daniel  
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(73) Robert Bosch GmbH  
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(72) LIN, Da-Jun  
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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) Philip Morris Products S.A.	(22) 18.12.2020	RICHMOND, Darrell A.
(72) REEVELL, Tony	(54) PERSONAL CARE IMPLEMENT	(74) ir. A. Blokland c.s.
MIRONOV, Oleg	EXHIBITING A SOUND AND USE OF	(31) 201816003809
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(74) dr. W.A.H.M. Van Borm	SOUND	(32) 08.06.2018
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AIRFLOW	20168691	(74) ir. W.J.J.M. Kempes
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(54) AN AEROSOL-GENERATING SYSTEM	European Patent Office (EPO)	(73) Koninklijke Philips N.V.
AND HAPTIC OUTPUT ELEMENT FOR	European Patent Office (EPO)	(72) SINNEMA, Anke, Gerda
AN AEROSOL-GENERATING SYSTEM	European Patent Office (EPO)	TIBBE, Tim, Gerard
(73) Philip Morris Products S.A.	European Patent Office (EPO)	KLOKMAN, Pieter, Herman
(72) BILAT, Stephane	European Patent Office (EPO)	ZWART, Bart-Jan
CRISTIAN, Gregory André	European Patent Office (EPO)	LOOPSTRA, Kasper, Roelof
(74) dr. W.A.H.M. Van Borm	European Patent Office (EPO)	BAKKER-VAN DER KAMP, Gertrude,
(31) 19175234	European Patent Office (EPO)	Riëtte
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AND HAPTIC OUTPUT ELEMENTS	B32B 7/02	EXAMPLE, CREATING FROTHED MILK
FOR AN AEROSOL-GENERATING	B32B 5/26	(73) Koninklijke Philips N.V.
SYSTEM	B29L 31/00	(72) NOORDHUIS, Joeke
(73) Philip Morris Products S.A.	B32B 3/12	(74) dr. R.C. van Duijvenbode c.s.
(72) ROJAS, Ezequiel Valdez	B32B 37/20	(47) 07.06.2023
DESNERCK, Simon	B32B 5/06	(51) A47K 10/16

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A47K 10/32	10.11.2017	(32) 03.02.2021
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(54) CLEANING APPARATUS HAVING	HETEROGENEOUS DYNAMICS USING	WU, Hsuehchieh
VACUUM CLEANER AND DOCKING	LASER SPECKLE	PACE, Louis
STATION	(73) Tata Consultancy Services Limited	HARRIS, Christopher M.
(73) Samsung Electronics Co., Ltd.	(72) BANOTH, EARU	LE, Vu H.
(72) CHA, Seung Ryong	PAL, PARAMA	MITCHELL, Steven T.
KIM, Hyeon Cheol	(74) dr. ir. G.J.C. Verdijck c.s.	LAMBERT, Byron J.
KIM, See Hyun	(31) 202121009917	PHILLIP, Carter W.
JANG, Yun Soo	(32) 09.03.2021	RAO, Vivek S.
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(72) Rakoczi, Viktor	(74) ir. F.A. Geurts c.s.	(73) Mann, David
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(72) BONINI, Paolo	A61K 31/545	LIN, Jian
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JO, In Geun	(74) dr. R.C. van Duijvenbode c.s.	C07K 16/46
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SOWDER, Jeffrey B.  
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AND METHOD FOR PRODUCING	United States of America	(72) DREWS, Bradley Kent
ALLULOSE USING SAME	(47) 31.05.2023	HAGE, Matthew William
(73) Daesang Corporation	(51) C12P 19/18	CAPPA, Kevin James
(72) CHOI, Eun Seok	C12P 19/04	(74) ir. W.J.J.M. Kempes
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H04W 72/12	H04W 48/12	A61L 2/00
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(11) EP3895109	(11) EP3911387	(11) EP3924548
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(11) EP3899310	(11) EP3913333	(11) EP3925923
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(11) EP3960031	(11) EP3969299	(11) EP3983575
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(11) EP3961058	(11) EP3969793	(11) EP3987367
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(11) EP3965201	(11) EP3976591	(11) EP3995482
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(11) EP3967471	(11) EP3979454	(11) EP3996818
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(11) EP3968369	(11) EP3980420	(11) EP3997043
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(11) EP3968567	(11) EP3980426	(11) EP3997253
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(11) EP3968815	(11) EP3980495	(11) EP3999801
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(11) EP4000478	(11) EP4036171	(11) EP4092692
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(11) EP4000665	(11) EP4037568	
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(11) EP4007000	(11) EP4059751	
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(11) EP4008290	(11) EP4059780	
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(11) EP4011717	(11) EP4071603	
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(11) EP4013610	(11) EP4073186	
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(11) EP4029422	(11) EP4091365	
(00) 19.04.2023	(00) 19.04.2023	



**VRB**

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

## CO

## Ingeschreven overdrachten.

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

(71) Zevra Denmark A/S	SDS Biotech K.K.	A61K 31/506
(73) Zevra Denmark A/S	(11) EP2165610	A61K 31/5377
(11) EP2318032	(00) 15.08.2023	A61P 1/00
(00) 18.08.2023	(51) A23K 1/16	A61P 13/00
(51) A61K 38/17	A23K 1/18	A61P 21/00
A61P 3/00	A61K 36/18	A61P 25/00
(00) Change of owner(s) name	A61K 36/22	A61P 27/00
(71) SDS Biotech K.K.	A61P 1/14	A61P 29/00
(73) SDS Biotech K.K.	A61P 3/00	C07D 263/32
(11) EP2397147	(00) Assignment	C07D 277/28
(00) 15.08.2023	(71) Westeria GmbH	C07D 413/06
(51) A23K 1/16	(73) Westeria GmbH	C07D 413/14
A23K 1/18	(11) EP2486986	C07D 417/06
A61K 31/05	(00) 15.08.2023	C07D 417/14
A61K 31/60	(51) B07B 4/02	(00) Assignment
A61K 36/22	B07B 4/06	(71) SDS Biotech K.K.
A61P 1/14	B07B 11/06	(73) SDS Biotech K.K.
A61P 3/00	B07B 15/00	(11) EP2661969
(00) Assignment	B65G 47/72	(00) 15.08.2023
(71) heroyal - Johann Henkenjohann GmbH & Co. KG	B65G 47/80	(51) A61K 31/05
(73) heroyal - Johann Henkenjohann GmbH & Co. KG	(00) Change of owner(s) name	A61K 31/192
(11) EP1835084	(71) Ecovyst Catalyst Technologies UK Limited	A61K 31/60
(00) 15.08.2023	(73) Ecovyst Catalyst Technologies UK Limited	A61K 36/22
(51) E04B 2/96	(11) EP2201045	A61K 47/02
(00) Assignment	(00) 21.08.2023	A61P 15/00
(71) Zevra Denmark A/S	(51) C08F 4/02	A61P 15/08
(73) Zevra Denmark A/S	C08F 4/24	A23K 10/37
(11) EP2484371	C08F 10/02	A23K 20/111
(00) 18.08.2023	C08F 210/16	A23K 50/10
(51) A61K 38/17	(00) Assignment	(00) Assignment
A61P 3/00	(71) Westeria GmbH	(71) Schattdecor SE
(00) Change of owner(s) name	(73) Westeria GmbH	(73) Schattdecor SE
(71) Pharmaron (Exton) Lab Services LLC	(11) EP2669020	(11) EP1801175
(73) Pharmaron (Exton) Lab Services LLC	(00) 15.08.2023	(00) 15.08.2023
(11) EP2084529	(51) B01D 46/00	(51) C09D 175/04
(00) 07.08.2023	B07B 1/18	(00) Change of Legal Entity
(51) C12N 15/11	B07B 1/52	(71) Peter Huber Kältemaschinenbau SE
C12N 15/63	B65G 53/46	(73) Peter Huber Kältemaschinenbau SE
G01N 33/50	B65G 53/60	(11) EP3088823
(00) Change of owner(s) name	(00) Change of owner(s) name	(00) 18.08.2023
(71) SDS Biotech K.K.	(71) Zevra Denmark A/S	(51) F25D 31/00
(73) SDS Biotech K.K.	(73) Zevra Denmark A/S	(00) Change of Legal Entity
National University Corporation Hokkaido University	(11) EP2659904	(71) Takeda Pharmaceutical Company Limited
(73) SDS Biotech K.K.	(00) 18.08.2023	(73) Takeda Pharmaceutical Company Limited
National University Corporation Hokkaido University	(51) A61K 38/17	(11) EP2867245
(11) EP2165609	A61P 3/00	(00) 18.08.2023
(00) 15.08.2023	(00) Change of owner(s) name	(51) A61K 38/17
(51) A23K 1/16	(71) C&C Holding B.V.	C07K 1/00
A61K 36/22	(73) C&C Holding B.V.	C07K 16/00
A61P 1/14	(11) 2015831	(00) Assignment
A61P 3/00	(00) 18.08.2023	(71) ANIKA STERILIS PRIVATE LIMITED
(00) Assignment	(51) B62H 5/14	(73) ANIKA STERILIS PRIVATE LIMITED
(71) SDS Biotech K.K.	E05B 47/00	(11) EP2877847
National University Corporation Hokkaido University	(00) Assignment	(00) 18.08.2023
(73) National University Corporation Hokkaido University	(71) Golgi Neurosciences S.r.l.	(51) G01N 1/44
(11) EP3102573	(73) Breye Therapeutics ApS	G01N 27/62
(00) 16.08.2023	(11) EP3102573	G01N 30/88
(51) A61K 31/454	(00) 16.08.2023	G01N 33/22
		(00) Assignment

(71) Hotpod Holdings Ltd	H04B 13/00	A61K 31/4412
(73) Hotpod Holdings Ltd	(00) Assignment	A61K 31/444
(11) EP3060732	(71) MB Automation GmbH & Co. KG	A61K 31/505
(00) 14.08.2023	(73) MB Automation GmbH & Co. KG	A61K 31/506
(51) E04H 15/10	(11) EP2366556	A61P 35/00
E04H 15/12	(00) 15.08.2023	C07D 213/00
E04H 15/14	(51) B42D 1/00	C07D 401/00
E04H 15/20	B42D 13/00	C07D 401/14
(00) Assignment	B42D 15/00	C07D 403/14
(71) CEV, S.A.	(00) Change of owner(s) name	(00) Assignment
(73) CEV, S.A.	(71) Breye Therapeutics ApS	(71) Takeda Pharmaceutical Company Limited
(11) EP2627201	(73) Breye Therapeutics ApS	(73) Takeda Pharmaceutical Company Limited
(00) 01.08.2023	(11) EP3507287	(11) EP3103469
(51) A01N 47/40	(00) 16.08.2023	(00) 18.08.2023
A23L 3/3463	(51) A61K 31/454	(51) A61K 9/00
A61K 36/48	A61K 31/4709	A61K 9/19
A61K 38/16	A61P 1/00	A61K 38/46
C07K 14/415	A61P 13/00	A61K 38/47
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(71) Breye Therapeutics ApS	A61P 25/28	A61P 25/28
(73) Breye Therapeutics ApS	A61P 27/02	(00) Assignment
(11) EP3102573	A61P 29/00	(71) FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.
(00) 16.08.2023	C07D 417/06	(73) FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.
(51) A61K 31/454	C07D 417/14	(11) EP3590942
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A61K 31/5377	(71) Golgi Neurosciences S.r.l.	(51) A61K 31/5365
A61P 1/00	(73) Breye Therapeutics ApS	A61P 31/20
A61P 13/00	(11) EP3507287	C07D 498/04
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A61P 25/00	(51) A61K 31/454	(71) DeltaOrbit GmbH
A61P 27/00	A61K 31/4709	(73) DeltaOrbit GmbH
A61P 29/00	A61P 1/00	(11) EP3475553
C07D 263/32	A61P 13/00	(00) 15.08.2023
C07D 277/28	A61P 21/00	(51) F02K 9/52
C07D 413/06	A61P 25/28	F02K 9/95
C07D 413/14	A61P 27/02	(00) Assignment
C07D 417/06	A61P 29/00	(71) HOTPOD YOGA LIMITED
C07D 417/14	C07D 417/06	(73) Hotpod Holdings Ltd
(00) Assignment	C07D 417/14	(11) EP3060732
(71) HOTPOD YOGA LIMITED	(00) Assignment	(00) 14.08.2023
(73) Hotpod Holdings Ltd	(71) SDS Biotech K.K.	(51) E04H 15/10
(11) EP3060732	(73) SDS Biotech K.K.	E04H 15/12
(00) 14.08.2023	(11) EP3282008	E04H 15/14
(51) E04H 15/10	(00) 15.08.2023	E04H 15/20
E04H 15/12	(51) C12N 1/20	(00) Change of owner(s) name
E04H 15/14	C12R 1/07	(71) SDS Biotech K.K.
E04H 15/20	C12R 1/085	(73) SDS Biotech K.K.
(00) Change of owner(s) name	C12R 1/09	(11) EP2578670
(71) SDS Biotech K.K.	C12R 1/10	(00) 15.08.2023
(73) SDS Biotech K.K.	C12R 1/11	(51) A23K 20/111
(11) EP2578670	C12R 1/12	(00) Assignment
(00) 15.08.2023	C12R 1/125	(71) Illumina, Inc.
(51) A23K 20/111	(00) Assignment	(73) Illumina, Inc.
(00) Assignment	(71) Illumina, Inc.	(11) EP3080302
(71) SDS Biotech K.K.	(73) Illumina, Inc.	(00) 14.08.2023
(73) SDS Biotech K.K.	(11) EP3080302	(51) C12Q 1/6874
(11) EP2298082	(00) 14.08.2023	C12Q 1/6881
(00) 15.08.2023	(51) C12Q 1/6874	(00) Assignment
(51) A23K 10/40	C12Q 1/6881	(71) FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.
A23K 20/20	(00) Assignment	(73) FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.
A23K 50/00	(71) FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.	(11) EP2987412
(00) Assignment	(73) FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.	(00) 15.08.2023
(71) TEIJIN FRONTIER CO., LTD.	(71) FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.	(51) A61K 31/05
(73) TEIJIN FRONTIER CO., LTD.	(11) EP3533787	A61K 31/192
(11) EP2293460	(00) 17.08.2023	A61K 36/18
(00) 22.08.2023	(51) A61K 31/435	A61P 31/04
(51) H04B 5/02		A61P 33/02
		A61P 43/00

A23K 10/40	C07D 417/06
A23K 20/111	A61K 31/4245
A23K 20/28	A61K 31/433
(00) Assignment	A61P 1/00
(71) DEHN SE	A61P 11/00
(73) DEHN SE	A61P 13/00
(11) EP3552282	A61P 25/00
(00) 21.08.2023	A61P 27/02
(51) H01T 1/02	A61P 29/00
H01T 1/14	A61P 35/00
H01T 1/16	(00) Assignment
H01T 2/02	(71) Breye Therapeutics ApS
H01T 4/14	(73) Breye Therapeutics ApS
(00) Assignment	(11) EP3619200
(71) Morphotonics Holding B.V.	(00) 16.08.2023
(73) Morphotonics Holding B.V.	(51) C07D 271/07
(11) EP3662325	C07D 285/08
(00) 18.08.2023	C07D 413/06
(51) G03F 7/00	C07D 417/06
(00) Assignment	A61K 31/4245
(71) Koninklijke Philips N.V.	A61K 31/433
(73) Koninklijke Philips N.V.	A61P 1/00
(11) EP3935774	A61P 11/00
(00) 18.08.2023	A61P 13/00
(51) H04L 5/00	A61P 25/00
(00) Assignment	A61P 27/02
(71) SDS Biotech K.K.	A61P 29/00
(73) SDS Biotech K.K.	A61P 35/00
(11) EP3466437	(00) Assignment
(00) 15.08.2023	(71) GUANGDONG PRESTIGE
(51) A61K 36/22	TECHNOLOGY COMPANY LIMITED
A23K 50/10	(73) GUANGDONG PRESTIGE
A23K 20/111	TECHNOLOGY COMPANY LIMITED
A23K 10/37	(11) EP3653832
A61P 1/16	(00) 14.08.2023
A61P 3/14	(51) E06C 1/12
A61P 3/08	E06C 7/00
A61P 1/00	(00) Change of owner(s) name
A61P 3/06	
A61K 31/60	
A61P 15/08	
A61P 15/00	
A61K 31/192	
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(71) Signify Holding B.V.	
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(00) 18.08.2023	
(51) H05B 47/17	
H05B 47/195	
(00) Assignment	
(71) Koninklijke Philips N.V.	
(73) Koninklijke Philips N.V.	
(11) EP3895490	
(00) 18.08.2023	
(51) H04W 72/08	
H04W 72/12	
H04W 72/14	
(00) Assignment	
(71) Golgi Neurosciences S.r.l.	
(73) Breye Therapeutics ApS	
(11) EP3619200	
(00) 16.08.2023	
(51) C07D 271/07	
C07D 285/08	
C07D 413/06	

**TVH**

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

## UP1

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

(11) EP3735680	(11) EP3652068	(11) EP3636206
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## **UP2**

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

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

### **UP3**

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

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

#### **UP4**

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

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

## **UP5**

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

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

## **UP6**

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

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