



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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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 SPC</b> Bevat gegevens betreffende ingeschreven en verleende certificaten	<b>273Heading SPC</b> Contains data concerning applications for- or granted Supplementary Protection Certificates.	<b>273</b>
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<b>Rubriek VRV</b> Bevat gegevens betreffende verval of nietigverklaring.	<b>277Heading VRV</b> Contains data concerning lapse or annulment.	<b>277</b>
<b>Rubriek VRB</b> Bevat gegevens betreffende verbeteringen op eerdere publicaties.	<b>296Heading VRB</b> Contains data concerning corrections on earlier publications.	<b>296</b>
<b>Rubriek CO</b> Bevat gegevens betreffende wijzigingen in het octrooiregister.	<b>297Heading CO</b> Contains data concerning changes in the Netherland patent register.	<b>297</b>
<b>Rubriek TVH</b> Bevat gegevens betreffende topografieën van halfgeleiderproducten.	<b>302Heading TVH</b> Contains data concerning depots of original topographies of semi-conductor products.	<b>302</b>

<b>Rubriek UP1</b> Bevat gegevens over Europese octrooien met geregistreerde eenheidswerking.	<b>303Heading UP1</b> Contains data concerning European patents with registered Unitary Effect.	303
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## 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.  
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(72) Joris Jan Hiddema	(74) ir. M.B. Plaggenborg	(21) 2030014
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(51) A01G 9/029	Hongjian Wan	(71) Chongqing Vocational Institute of Engineering
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(54) Fully automatic plant cultivation device	A01J 5/013	A01N 37/44
(71) Stefan Gritsch	(21) 2030111	A01N 43/08
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(54) VOLVARIELLA VOLVACEA (BULL.) SINGER SELF-HEATING CULTIVATION BASE MATERIAL, SUBSTRATE AND CULTIVATION METHOD	(51) A01J 7/02	(72) Leon Dirk Fock
(71) Foshan Zhibao Ecological Technology Co., Ltd.	(21) 2030165	Maurice Aloysius Antonius Evers
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(72) Guoping Yang	(54) Milking system with central utility system	(21) 2030090
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Xunlin Zheng	(72) Gerard Mostert	(71) Anhui Science and Technology University
Yongjun Guo	Dirk Kraaij	Anhui Hequan Farm Ecological Agriculture Co., Ltd
Jianbing Zhou	(41) 28.06.2023	Anhui Chuhaha Food Technology Co., Ltd.
(51) A01G 18/62	(51) A01K 63/00	(74) ir. W.J.J.M. Kempes
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(71) Erick Johannes Allegonda Hendrix	(21) 2030033	Jingjun Li
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(74) ir. H.A. Witmans c.s.	(54) INTELLIGENT OBSERVING SYSTEM FOR SHRIMP CULTURE	Xiaoqian Zou
(72) Erick Johannes Allegonda Hendrix	(71) Zhejiang Mariculture Research Institute ZHEJIANG UNIVERSITY	Hu Zhang
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(41) 22.06.2023	(72) Jianzhong Ma	Xiaowei Wu
(51) A01G 22/05	Xinbin Shao	Chuanlai Du
	Chen Chen	(41) 26.06.2023
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(22) 10.12.2021	Antonis Godefridus Theodorus van Lammeren	(72) Nathaniel Conquet
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(71) Shanghai Ocean University	Antonis Godefridus Theodorus van Lammeren	(71) Technische Universiteit Eindhoven
(74) ir. W.J.J.M. Kempes	Mark Derks	(74) ir. A. Blokland c.s.
(72) Zhihao Han	Sander Johannes Antonius Wieman	(72) Jacobus Lodevicus Martinus van Mechelen
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(21) 2030100	B26D 5/00	(74) ir. M.B. Plaggenborg
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(54) NATURAL COMPOUND SWEETENING AGENT AND PREPARATION METHOD THEREOF	A22C 17/00	Yan Song
(71) Qilu University of Technology	(21) 2030107	Jinhui Tang
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(74) ir. W.J.J.M. Kempes	(54) Foodstuff portioning device	(41) 21.06.2023
(72) Yue Zheng	(71) Plant Meat Makers B.V.	(51) A61B 10/02
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(51) A23L 29/20	(22) 25.04.2023	(41) 28.06.2023
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(21) 2030119	(71) Hangzhou Vocational & Technical College	A61N 5/10
(22) 13.12.2021	(74) dr. A.V. Huygens	(21) 2030157
(54) Meat or fish substitute, and method for preparing the same	(72) Ning Jia	(22) 16.12.2021
(71) Stichting Wageningen Research	Xiaohong Pan	(54) MARKING ARRANGEMENT, MEDICAL DEVICE, AND SYSTEM FOR RECONSTRUCTING A PLANNED TRAJECTORY
(74) ir. J.C. Volmer c.s.	(51) A42B 3/24	(71) Nucletron Operations B.V.
(72) Stacy Christine Pyett	(21) 2030153	(74) ir. H.A. Witmans c.s.
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(21) 2030083	(41) 28.06.2023	
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(71) PEELPIONEERS B.V.	(22) 10.12.2021	
(74) ir. M. Cramwinckel	(54) A pillowcase with stretchable opening to hold a pillow in place.	
(72) Jaap Dane	(71) Nathaniel Conquet	

(54) MULTIMODAL HINGE JOINT SYSTEM FOR PROSTHESIS OR ORTHOSIS	MATERIAL MODIFIED BY NANO-SELENIUM PLASMA	(71) GUILIN UNIVERSITY OF TECHNOLOGY
(71) AXILES BIONICS BV	(71) University of Chinese Academy of Sciences	(74) ir. M.B. Plaggenborg
(74) dr. ir. G.J.C. Verdijck c.s.	(74) ir. M.B. Plaggenborg	(72) Hongbo Cui
(72) Pierre Cherelle	(74) Liyuan Liu	Jianze Yu
Felipe Gomez	(72) Yang Chen	Chunxia Wang
Julien De Muyter	Tongzhe Wang	Jun Lv
Gil Lauwers	Qinzhong Feng	Ruidong Liang
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(51) A61M 25/01	(32) Xiujin Zhang	(31) 202111520226.0
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(21) 2030159	(32) Hao Cui	(33) China
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(71) Fortimedix Assets II B.V.	(33) China	B27N 9/00
(74) dr. R.C. van Duijvenbode c.s.	(51) B01J 23/72	E04B 1/76
(72) Mattheus Hendrik Louis Thissen	B01J 35/04	(21) 2030120
(41) 28.06.2023	B01J 23/30	(22) 13.12.2021
(51) A61M 25/01	B01J 31/16	(54) VEGETABLE MATERIAL AS INSULATION, FILLING OR PACKAGING
A61B 17/00	(21) 2030041	(71) Bouwgroep Dijkstra Draisma B.V.
A61B 1/005	(22) 06.12.2021	(74) dr. ir. G.J.C. Verdijck c.s.
(21) 2030128	(54) 2D Cu-POM CATALYST FOR CATALYTIC COUPLING OF TERMINAL ALKYNES WITH 100% CONVERSION OF HYDROCARBONS AND METHOD FOR PREPARING SAME	(72) Johannes Coenraad Verboom
(22) 14.12.2021	(71) ZHEJIANG NORMAL UNIVERSITY	Biense Dijkstra
(54) Steerable instrument for endoscopic or invasive applications	(74) dr. T. Wittop Koning PhD	(41) 27.06.2023
(71) Fortimedix Assets II B.V.	(72) Caihong Zhan	(51) B33Y 30/00
(74) dr. R.C. van Duijvenbode c.s.	Huimin Zeng	B29C 64/118
(72) Mattheus Hendrik Louis Thissen	(41) 22.06.2023	B29C 64/295
(41) 27.06.2023	(51) B05B 11/00	B29C 64/209
(51) A61Q 19/00	(21) 2031330	B33Y 10/00
A61P 43/00	(22) 18.03.2022	(21) 2030050
A61K 36/31	(54) LIQUID DOSING DISPENSER AND LIQUID CONTAINER COMPRISING SAID LIQUID DOSING DISPENSER	(22) 07.12.2021
A61K 8/97	(71) SmartSeal AS	(54) A liquefier for use in an FFF system
A61K 36/02	(74) dr. ir. G.J.C. Verdijck c.s.	(71) ULTIMAKER B.V.
A61K 35/74	(72) Jeroen Gerrit Anton Gebbink	(74) dr. R.C. van Duijvenbode c.s.
(21) 2033692	Rune Kristian Knutsen	(72) Marcus Arnoldus Hubertus Gerardus Joosen
(22) 08.12.2022	(41) 26.06.2023	Paul Kuiper
(54) FULL LIGHT REPAIR	(31) 2030093	(41) 22.06.2023
(71) COTY Inc	(32) 09.12.2021	(51) B33Y 30/00
(74) ir. J.D. de Zeeuw	(33) Netherlands	B29C 64/118
(72) Cecile Chamayou-Robert	(51) B05B 17/08	B33Y 40/00
Muriel Pujos	(21) 2030056	B29C 64/321
Olivier Doucet	(22) 07.12.2021	(21) 1044237
(31) 2113318	(54) A waterjet floor system, pool floor and kit of parts	(22) 15.12.2021
(32) 10.12.2021	(71) Dave van Buren	(54) 3D MANUFACTURING SYSTEM, EXTRUDER SYSTEM AND FILAMENT GUIDING SYSTEM THEREFOR
(33) France	(74) mr. ir. J. van Breda c.s.	(71) Veda Group B.V.
(51) B01D 53/14	(72) Dave van Buren	(74) ir. J.H. Lunshof
B01D 53/18	(51) B21C 31/00	(72) Martijn Arnoud Koorevaar
(21) 2030150	C22C 1/03	(41) 27.06.2023
(22) 16.12.2021	B21C 23/00	(51) B41J 11/00
(54) METHOD FOR CHEMICAL ABSORPTION AND RECOVERY OF CO2 WITH LOW ENERGY CONSUMPTION AT LOW TEMPERATURES	B22D 11/00	B41J 15/04
(71) WFU B.V.	C22C 1/02	B41J 2/01
(74) dr. ir. G.J.C. Verdijck c.s.	B21C 29/00	(21) 2034907
(72) Christiaan Leo Evert Nijst	B21C 33/00	(22) 24.05.2023
Franciscus Johannes Maria Schrauwen	C22F 1/04	(54) INKJET PRINTING SYSTEM HAVING EXTERNAL DRYING DEVICE
(41) 28.06.2023	C22C 21/00	(71) Guangzhou KingTau Machinery&Electronics Equipment Co., Ltd.
(51) B01J 20/00	(21) 2032205	(74) drs. C.M.A. Quintelier
(21) 2033523	(22) 17.06.2022	(72) Zhenhua Tang
(22) 14.11.2022	(54) WROUGHT ALUMINIUM-FERRO ALLOY AND PREPARATION METHOD THEREOF	(31) 202210922113.1
(54) METHOD FOR PREPARING CERAMIC NANO-MERCURY ADSORPTION		(32) 02.08.2022
		(33) China

(51) B60G 3/01 B60G 13/00 B60G 15/06	(21) 2030082 (22) 08.12.2021 (54) Bicycle drivetrain system, bicycle drivetrain, method, and use	(72) Bert Draaijer Rutger Willem Hendrik Visscher (41) 27.06.2023
(21) 2030171 (22) 17.12.2021 (54) Vehicle suspension	(71) Classified Cycling BV (74) ir. H.A. Witmans c.s.	(51) B65D 5/70 B65D 5/44 (21) 1044230 (22) 06.12.2021
(71) Vakha Gubachev (74) ir. H.A. Witmans c.s. (72) Vakha Gubachev	(72) Roëll Marie Van Druten (41) 22.06.2023	(54) Deksel voor verpakking uit vouwkarton (71) Anderling B.V. (72) Hendrik Christiaan Adolf Hoekstra
(51) B60L 3/04 B60L 3/00 B62D 21/15 B62D 33/077	(51) B63B 21/50 B63B 21/00 B63B 35/44 (21) 2032394 (22) 06.07.2022	(51) B65D 5/70 B65D 5/44 B65D 5/54 (21) 1044305 (22) 28.04.2022
(21) 2030055 (22) 07.12.2021 (54) COMMERCIAL VEHICLE COMPRISING AN IMPACT DEVICE	(54) LOW STRESS MOORING DEVICE SUITABLE FOR USE IN FLOATING OCEAN ENERGY DEVICE (71) Harbin Engineering University (74) ir. W.J.J.M. Kempes (72) Jing Geng	(54) Blokvormige verpakking uit vouwkarton (71) Anderling B.V. (72) Hendrik Christiaan Adolf Hoekstra (41) 22.06.2023
(71) DAF Trucks N.V. (74) ir. H.A. Witmans c.s. (72) Johannes Baptist Wilhelmus Bernardus Maria Broeders Johannes Theodorus Bernard Anna Kessels	(74) Yiping Wang Guoqing Zhao Ying Wang Qihu Sheng Mingwei Li Xuanlie Zhao Lidong Zhang Yang Li Fangjun Xue	(31) 1044230 (32) 06.12.2021 (33) Netherlands
(41) 22.06.2023	(31) 202111506340.8 (32) 10.12.2021 (33) China	(51) B65D 71/42 (21) 2033718 (22) 14.12.2022
(51) B60R 13/08 B62D 1/16 F16J 3/04	(51) B63B 35/00 E02D 13/04 B66C 23/52 E02D 27/42	(54) Draagsysteem voor drankblikjes (71) HINOJOSA PACKAGING GROUP, S.L. (74) dr. R.C. van Duijvenbode c.s. (72) Daniel Perea Romero (31) U202132457 (32) 14.12.2021 (33) Spain
(21) 2030072 (22) 08.12.2021 (54) MOULDED SEALING DEVICE, TRUCK COMPRISING THE MOULDED SEALING DEVICE, AND METHOD FOR MANUFACTURING THE MOULDED SEALING DEVICE	(21) 2030175 (22) 17.12.2021 (54) HEAVE TOLERANT PILE GUIDING DEVICE FOR GUIDING A PILE DURING INSTALLATION THEREOF	(51) B65G 21/06 B65G 21/14 (21) 2033732 (22) 15.12.2022 (54) Transportbandsysteem voorzien van bandgeleidingssecties
(71) DAF Trucks N.V. (74) ir. H.A. Witmans c.s. (72) Tom Kamps (41) 22.06.2023	(71) Itrec B.V. (74) ir. J.C. Volmer c.s. (72) Lucas Boontjes (41) 28.06.2023	(71) Wilfridus Barendse (74) ir. G.J.M. Verhees (72) Wilfridus Barendse (41) 27.06.2023 (31) 2030148 (32) 15.12.2021 (33) Netherlands
(51) B61L 15/00 B61L 27/57	(51) B63B 35/38 B63B 21/50 B63B 35/00 F03D 13/25	(51) B65G 33/24 B65G 65/46 (21) 2031604 (22) 15.04.2022
(21) 2031318 (22) 18.03.2022 (54) SERVICE OPTIMIZATION AND DIAGNOSIS SYSTEM AND METHOD FOR OPERATION AND MAINTENANCE OF URBAN INTELLIGENT TRANSPORTATION	(21) 2033705 (22) 09.12.2022 (54) OFFSHORE PLATFORM (71) Murata Yuatsukikai Co., Ltd. (74) dr. ir. G.J.C. Verdijck c.s. (72) Kohei Murata (31) 2021-201555 (32) 13.12.2021 (33) Japan	(54) FEEDING STRUCTURE OF SCREW CONVEYOR AND SCREW CONVEYOR (71) Wuhu Aide Transportation Machinery Co., Ltd (74) dr. R.C. van Duijvenbode c.s. (72) Yong Zhou Jiurong Yang Zhen Jia Kailing Li Shasha Cao Bingjie Cao Xiaohua Fang
(71) ANHUI DAR INTELLIGENT CONTROL SYSTEM CO., LTD. (74) dr. R.C. van Duijvenbode c.s. (72) Zijun Liang Qinxiang Xu Jun Liu Jie Fang Ligang Zhao	(31) 202111480637.1 (32) 06.12.2021 (33) China	(31) 202111542155.4 (32) 16.12.2021 (33) China
(51) B62D 1/16 (21) 2030163 (22) 16.12.2021 (54) Steering system and alignment tool	(51) B65D 5/42 B65D 5/72 B65D 5/49 B65D 5/38 (21) 2030141 (22) 15.12.2021 (54) Set of blanks for forming letter box deliverable container for pouch packages	(51) B66B 11/00 B66C 23/28 (21) 1044222
(71) DAF Trucks N.V. (74) ir. H.A. Witmans c.s. (72) Martinus Wilhelmina Paulus Kuijpers (41) 28.06.2023	(71) BUSINESS INNOVATION CONSULTANTS B.V. (74) ir. J.J.A.M. Keij	
(51) B62M 9/12		

(22) 01.12.2021	(71) INNER MONGOLIA UNIVERSITY OF TECHNOLOGY	Qiangqiang Yang
(54) Werkwijze voor het bouwen van een bouwwerk met bouw hulpmiddelen die zijn ingericht om permanent in het bouwwerk te kunnen verblijven	(74) ir. M.B. Plaggenborg	Xiaoxiao Wang
(71) Boudali Bahri	(72) Yingying Ma	Ranqiu Li
(72) Boudali Bahri	(31) 202310367215.6	Hui Yan
(51) C01B 3/38	(32) 07.04.2023	Yungang Zhang
C01B 3/22	(33) China	Meng Kou
(21) 2030045	(51) C07C 61/39	Wei Tang
(22) 06.12.2021	(21) 2030938	Xin Wang
(54) A METHOD FOR PRODUCING HYDROGEN CONTAINING GAS	(22) 15.02.2022	Qiang Li
(71) Dens B.V.	(54) A METHOD FOR PREPARING DEHYDROABIETIC ACID	(41) 21.06.2023
(74) dr. ir. G.J.C. Verdijck c.s.	(71) Guangxi Komo Co., Ltd.	(31) 202111465395.9
(72) Martinus Arnoldus Petrus Maria Swinkels	(74) drs. C.M.A. Quintelier	(32) 03.12.2021
Max Johannes Robertus Aerts	(72) Jianyu Lu	(33) China
Yoshi Johannes Henricus Jacobus de Laar	Sheyang Xu	(51) C07K 14/705
(51) C02F 1/28	Jiuji Chen	C12N 15/12
B01J 20/28	Weijing Shen	C12N 15/861
C02F 1/62	(31) 2021115353684	C12N 5/10
(21) 2033612	(32) 14.12.2021	(21) 2030101
(22) 25.11.2022	(33) China	(22) 10.12.2021
(54) METHOD FOR ENRICHING AND PURIFYING HEAVY METALS IN SEAWATER	(51) C07C 227/18	(54) OPTOGENETIC BONE MORPHOGENETIC PROTEIN RECEPTOR (OPTOBMPR) SYSTEM AND CONSTRUCTION METHOD AND USE THEREOF
(71) Zhoushan Institute for Food and Drug Control	C07C 229/12	(71) Chinese PLA General Hospital
(74) ir. W.J.J.M. Kempes	(21) 2030022	(74) ir. W.J.J.M. Kempes
(72) Siyao Shao	(22) 03.12.2021	(72) Cuiping Zhang
Pingya Wang	(54) SYNTHESIS OF mRNA TRANSMITTER	Wenzhi Hu
Danni Miao	(71) Wisdom Pharmaceutical Co., Ltd.	Kui Ma
Weijie Wang	(74) ir. W.J.J.M. Kempes	Xiaobing Fu
Yichun Wu	(72) Xiaolong Qiu	(41) 27.06.2023
Qiaoling Zhao	Tao Xu	(51) C09D 163/10
(31) 202111521336.9	Zhiwei Zuo	F02C 7/25
(32) 14.12.2021	Lingling Chu	(21) 2032511
(33) China	Ping Zou	(22) 15.07.2022
(51) C02F 1/52	Lin Hu	(54) ENVIRONMENT-FRIENDLY AND FLAME-RETARDANT ABRADABLE SEAL COATING MATERIAL WITH ULTRA-LOW DENSITY AND USE METHOD THEREOF
C02F 1/44	Wenbo Liu	(71) Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences
(21) 2034834	(41) 21.06.2023	(74) drs. A.A. Jilderda
(22) 15.05.2023	(51) C07K 14/195	(72) Yanping Wu
(54) An Intelligent Water Treatment Detection System Based on Big Data	C12P 19/14	Haixia Cui
(71) Hunan Institute Of Science And Technology	C12N 9/90	Lei Chen
Hunan Yunhe Information Technology Co., Ltd.	C12P 19/02	Yue Zhang
Hunan Sanxiang Sihai Water Co., Ltd.	(21) 2030021	Huidi Zhou
(74) dr. A.V. Huygens	(22) 03.12.2021	Hongxuan Li
(72) Zhihe Yang	(54) L-ARABINOSE ISOMERASE (L-AI) DERIVED FROM LACTOCOCCUS LACTIS (L. LACTIS), AND USE THEREOF IN PREPARATION OF RARE SUGAR	Jianmin Chen
Gaoli Xiong	(71) Qilu University of Technology	(31) 202111536216.6
Yuejin Tao	(74) ir. W.J.J.M. Kempes	(32) 15.12.2021
Jun Rong	(72) Xinli Liu	(33) China
Gaofei Yi	Ting Wang	(51) C09K 11/06
Weile Wu	Susu Zhang	C07F 3/06
Chen Zhou	Zhenshang Xu	(21) 2033634
(51) C02F 1/52	(41) 21.06.2023	(22) 28.11.2022
C02F 1/50	(51) C07K 14/415	(54) ZINC-BASED HYBRID MATERIAL FOR BLUE LIGHT EMISSION AND PREPARATION METHOD THEREOF
C02F 1/44	C12N 15/82	(71) Institute of Applied Chemistry, Jiangxi Academy of Sciences
C02F 1/66	(21) 2032335	(74) ir. M.B. Plaggenborg
(21) 2034833	(22) 30.06.2022	(72) Shengyong You
(22) 15.05.2023	(54) USE OF SWEET POTATO IBSAP15 GENE IN REGULATING LEAF SHAPE AND FLOWER SHAPE OF SWEET POTATO	Jiyong Zou
(54) IMPROVED SEWAGE TREATMENT SYSTEM AND METHOD BASED ON COMBINED PHYSICAL AND CHEMICAL COAGULATION METHOD	(71) Xuzhou Institute of Agricultural Sciences in Jiangsu Xuhuai District (Jiangsu Xuzhou Sweetpotato Research Center)	Ling Li
	(74) ir. M.B. Plaggenborg	Li Zhang
	(72) Yaju Liu	(31) 202111545811.6
	Hao Xie	

(32) 16.12.2021	(54) APPLICATION OF CS-MIR397A TARGETING THE CSLAC1 GENE IN THE REGULATION OF TEA GREY BLIGHT SENSITIVITY	(71) Kunming University of Science and Technology
(33) China		(74) ir. M.B. Plaggenborg
(51) C10G 25/02	(71) ANHUI AGRICULTURAL UNIVERSITY	(72) Jingzhou Liu
B01D 15/36	(74) ir. M.B. Plaggenborg	Hongxi Liu
(21) 2030092	(72) Junyan Zhu	Yingnan Di
(22) 09.12.2021	Chaoling Wei	Jianquan Lin
(54) METHOD OF ISOLATION OF ARN ACIDS FROM NAPHTHENATE DEPOSITS	Shengrui Liu	Xuanhong Hao
(71) UNIVERSIDADE FEDERAL DO ESPÍRITO SANTO - UFES	Jiaxin Zhu	(41) 22.06.2023
PETRÓLEO BRASILEIRO S/A - PETROBRÁS	Yue Fei	(51) C22F 3/02
(74) ir. A. Blokland c.s.	(31) 202310288584.6	(21) 2030132
(72) Valdemar Lacerda Júnior	(32) 23.03.2023	(22) 14.12.2021
Eliane Valéria De Barros	(33) China	(54) METHOD FOR IMPROVING HIGH-TEMPERATURE MECHANICAL PROPERTY OF Ni3Al ALLOY
Álvaro Cunha Neto	(51) C12Q 1/04	(71) Shanghai University
Wanderson Romão	G01N 15/14	(74) ir. W.J.J.M. Kempes
Paulo Roberto Figueiras	G01N 1/30	(72) Zhongming Ren
Eustáquio Vinícius Ribeiro De Castro	(21) 2033664	Shijun Wu
Luiz Silvino Chinelatto Júnior	(22) 05.12.2022	Xin Liu
Juliana Navarro Bertelli	(54) QUICK DETECTION METHOD FOR POLLEN VIABILITY OF PAEONIA DELAVAYI	Li Yin
Rogério Mesquita De Carvalho	(71) Southwest Forestry University	Sansan Shuai
Cristina Maria Dos Santos Sad	(74) ir. M.B. Plaggenborg	Jiang Wang
(41) 26.06.2023	(72) Huailei Ping	(51) C25B 9/77
(31) 10 2020 025105 8	Juan Wang	C25B 1/04
(32) 09.12.2020	Jing Song	C25B 9/67
(33) Brazil	Yue Pan	C25B 9/65
(51) C11D 3/04	Chun Du	C25B 9/75
C11D 3/16	Pengyuan Zhang	C25B 11/04
C11D 17/00	Yan Pu	(21) 2030134
C11D 1/00	(31) 202111478614.7	(22) 14.12.2021
(21) 2030174	(32) 06.12.2021	(54) Bipolar plate for an electrolytic stack
(22) 17.12.2021	(33) China	(71) Prodrive Technologies Innovation Services B.V.
(54) Micro-emulsie voor het reinigen van oppervlakken	(51) C12Q 1/6844	(74) ir. M. van der Velden
(71) LouwersHanique B.V.	C12Q 1/689	(72) Sybren Hugo Onno Zwetsloot
(74) ir. A. Blokland c.s.	(21) 2032665	Tim Mauritz Scholle
(72) Paul Peeters	(22) 02.08.2022	(51) C25D 5/08
John Willebrordus Theodorus van Rutten	(54) METHOD FOR DETECTING LISTERIA MONOCYTOGENES IN CHEESE	C25D 7/06
(41) 28.06.2023	(71) HEFEI UNIVERSITY OF TECHNOLOGY	C25D 17/02
(51) C12N 1/00	(74) dr. T. Wittop Koning PhD	H01L 31/00
A21D 2/08	(72) Yingwang Ye	(21) 2030054
A21D 2/36	Na Ling	(22) 07.12.2021
(21) 2030023	Yang Li	(54) Inrichting en werkwijze voor het elektrolytisch behandelen van substraten.
(22) 03.12.2021	Yizhong Shen	(71) Meco Equipment Engineers B.V.
(54) BREAD ADDITIVE AND PREPARATION METHOD AND APPLICATION THEREOF	Danfeng Zhang	(74) ir. A. Blokland c.s.
(71) GuangXi Academy Of Agricultural Sciences	(41) 22.06.2023	(72) Augustinus Cornelis Maria van de Ven
(74) ir. W.J.J.M. Kempes	(31) 202111570670.3	Patrick Wesley de Visser
(72) Ying Wang	(32) 21.12.2021	Arjan Hovestad
Mingjuan Li	(33) China	(41) 22.06.2023
Linyan Wei	(51) C21C 5/52	(51) E01D 19/00
Xiangrong You	C21C 7/00	E01D 4/00
Yayuan Zhang	F27B 3/04	(21) 2032620
Kui Zhou	F27B 3/08	(22) 27.07.2022
Ping Wei	(21) 2030140	(54) FIREPROOF DEVICE APPLICABLE TO FLEXIBLE DERRICK OF ARCH BRIDGE
Zhanwen Huang	(22) 15.12.2021	(71) Hefei University of Technology
(41) 21.06.2023	(54) FERROALLOY SMELTING PROCESS	(74) ir. W.J.J.M. Kempes
(51) C12N 15/113	(71) Frederik Petrus Greyling	(72) Yang Li
A01H 1/04	(74) ir. J.C. Volmer c.s.	Zuocai Wang
C07K 14/415	(72) Frederik Petrus Greyling	Yin Zhang
A01H 5/00	(51) C22C 30/00	(31) 202111483991.X
C12N 15/82	C23C 24/10	(32) 07.12.2021
(21) 2034963	(21) 2030063	(33) China
(22) 31.05.2023	(22) 07.12.2021	(51) E01H 1/08
	(54) HIGH-ENTROPY ALLOY COATING LAYER AND PREPARATION METHOD THEREOF	(21) 2030142

(22) 15.12.2021	(72) Gerrit Albert van Spijker	(54) INTELLIGENT SYSTEM FOR
(54) Cleaning machine with suction power control	(51) E04C 2/38	SEARCH AND RESCUE IN SPECIAL ENVIRONMENT SUCH AS DISASTER
(71) RAVO B.V.	E04G 21/14	(71) Army Medical University
(74) drs. P.A. van Essen c.s.	(21) 1044335	(74) ir. F.A. Geurts c.s.
(72) Rob Prins	(22) 20.05.2022	(72) Zhaowen Zong
(41) 27.06.2023	(54) Wandelement omvattende een basislaag voorzien van deklagen, met een hol topprofiel als hijsvoorziening voor het manipuleren van het wandelement	Wenqiong Du
(51) E01H 1/08	(71) Brouwer Units en Wagenbouw B.V.	Xin Zhong
E01H 1/05	(72) John Folkers	Haoyang Yang
(21) 2030143	(31) 1044232	Yijun Jia
(22) 15.12.2021	(32) 07.12.2021	Zhao Ye
(54) Cleaning machine with improved curb follow system	(33) Netherlands	Renqing Jiang
(71) RAVO B.V.	(51) E05B 17/06	(31) 202111483531.7
(74) drs. P.A. van Essen c.s.	(21) 2030047	(32) 07.12.2021
(72) Rob Prins	(22) 06.12.2021	(33) China
(41) 27.06.2023	(54) Een aftekenmal	(51) F03D 3/06
(51) E02D 7/18	(71) Velro Tools B.V.	F03D 13/20
A01G 13/10	(74) ir. H.A. Witmans c.s.	F03D 80/00
A01M 29/30	(72) Jan Lamberts	(21) 2030038
E02D 13/10	Justus Johannes Gerritsen	(22) 03.12.2021
E02D 13/02	(51) E05D 3/12	(54) FLOATING VERTICAL-AXIS WIND TURBINE
(21) 2030080	E05D 5/02	(71) Shaanxi Kerlimar Engineers Co., Ltd.
(22) 08.12.2021	E05D 3/06	(74) ir. M.B. Plaggenborg
(54) DEVICE AND METHOD FOR VERTICAL POSITIONING A PROTECTIVE GRID IN AN EARTH BODY	E05D 11/06	(72) Ming Sun
(71) B. Minekus Zuidland B.V.	(21) 2032004	(51) F03D 13/10
(74) ir. J.C. Volmer c.s.	(22) 27.05.2022	B25B 29/02
(72) Jan Cees Wolters	(54) HINGE FOR CONNECTING A HATCH TO A CARGO SPACE OF A ROAD BOUND TRANSPORT VEHICLE	F03D 13/20
(41) 22.06.2023	(71) A. van Tilburg Beheer B.V.	F03D 80/50
(51) E04B 2/00	(74) dr. ir. G.J.C. Verdijk c.s.	B23P 19/06
(21) 2030035	(72) Adrianus Antonius Johannes Maes	(21) 1044234
(22) 03.12.2021	(41) 22.06.2023	(22) 09.12.2021
(54) A KIND OF ASSEMBLED SHEAR WALL FOR FRAME SHEAR WALL STRUCTURE	(51) E05D 15/06	(54) SELF-CENTERING MACHINE FOR MANIPULATING NUT AND BOLT ASSEMBLIES
(71) Fuzhou University	E05F 5/00	(71) IntoMechanics B.V.
Fujian Huahang Construction Group Co.,Ltd.	(21) 2033698	(74) drs. R.M. Matthezing
(74) ir. M.B. Plaggenborg	(22) 08.12.2022	(72) Martin Kristelijn
(72) Jian Zhao	(54) RAIL VOOR EEN SCHUIFPANEEL EN SCHUIFPANEEL DAARVAN VOORZIEN	(51) F04B 53/00
Shaofei Jiang	(71) EOSOL BV	F04C 29/06
You Zheng	(74) ir. M.B. Plaggenborg	(21) 2033390
Zhanpeng Liu	(72) Joris Meeussen	(22) 25.10.2022
(51) E04C 2/52	(31) 2021/5961	(54) NOISE SUPPRESSION STRUCTURE FOR REFRIGERATION COMPRESSOR AND ITS APPLICATION METHOD
(21) 1044334	(32) 09.12.2021	(71) Zhejiang Brilliant Refrigeration Equipment Co., Ltd
(22) 20.05.2022	(33) Belgium	(74) dr. T. Wittop Koning PhD
(54) Binnenwandelement omvattende een basislaag voorzien van deklagen, waarbij de basislaag verticale halfopen leidingsleuven omvat die door de deklagen wordt afgedekt	(51) E06B 7/16	(72) Yongda Li
(71) Brouwer Units en Wagenbouw B.V.	E06B 3/50	Xin Liang
(72) John Folkers	(21) 2030137	Jiaqin Li
(31) 1044233	(22) 15.12.2021	Youfa Yu
(32) 07.12.2021	(54) Hefschuifdeur met demontabel vast vleugeldeel	(41) 28.06.2023
(33) Netherlands	(71) Smits Gemert BV	(31) 202210805170.1
(51) E04D 13/152	(74) ir. G.J.M. Verhees	(32) 08.07.2022
E04D 13/143	(72) Paul van Tongeren	(33) China
(21) 2030177	Cornelis Amtonius Fransiscus Fivie	(51) F15B 21/14
(22) 17.12.2021	Andreas Johannes van Dommelen	F15B 7/00
(54) Roof trim set, building comprising said roof trim set and method for ventilating a cladded wall	(51) E21F 17/18	F15B 11/17
(71) Gerrit Albert van Spijker	H04W 4/90	E02F 9/22
(74) ir. F.A. Geurts c.s.	G06N 3/08	(21) 2030114
	H04B 7/155	(22) 13.12.2021
	G06V 40/10	(54) A system comprising differential hydraulic cylinders and a hydraulic machine comprising the system
	G06Q 50/26	(71) Lepotech B.V.
	G06Q 10/063	(74) ir. A. Blokland c.s.
	(21) 2033471	(72) Johannes Petrus Franciscus Lepoutre
	(22) 07.11.2022	

(41) 27.06.2023	F27B 9/14	Haifeng Wang
(51) F16C 1/26	F27D 11/12	Shengyu Li
F16G 13/16	C21B 13/02	Shijie Wang
H02G 3/04	F27B 9/06	(31) 202111501567.3
H02G 11/00	F27D 17/00	(32) 09.12.2021
(21) 2030151	(21) 2030051	(33) China
(22) 16.12.2021	(22) 07.12.2021	(51) G01M 99/00
(54) Guide for a bendable connecting means, such as a cable or a wiring	(54) Down-draft co-current reduction furnace (DCR Furnace)	G01M 7/02
(71) LentoLin B.V.	(71) Pronovation B.V.	(21) 2032053
(74) dr. ir. G.J.C. Verdijck c.s.	(74) ir. J.C. Volmer c.s.	(22) 01.06.2022
(72) Gerrit Jan Lammers	(72) Wiebe Feije Pronker	(54) PERFORMANCE TESTING DEVICE AND METHOD FOR NOVEL VIBRATORY STEEL WHEEL
Roeland Hendrik Gerard Nales	(41) 22.06.2023	
(41) 28.06.2023	(51) F28G 3/16	(71) Chang'an University
(51) F16C 35/063	(21) 2030105	(74) ir. M.B. Plaggenborg
H05B 6/10	(22) 10.12.2021	(72) Jinwang Liu
B25H 3/02	(54) Combustion oven heat exchanger cleaner	Peidan Ren
(21) 2033413	(71) DERC Waterjetting B.V.	Ying Wang
(22) 28.10.2022	(74) ir. J.C. Volmer c.s.	Tianyu Liu
(54) Carry box with integrated induction heater for annular bearing component comprising a top box	(72) Aart Cornelis den Hollander	Jie Wu
(71) Aktiebolaget SKF	(41) 27.06.2023	Zhifeng Zhang
(74) J. Hoekstra	(51) F41H 5/08	(31) 202111478829.9
(72) Jiaji Zhao	(21) 2030122	(32) 06.12.2021
Alberto Javier Herrera Caballero	(22) 13.12.2021	(33) China
Mitrut Ilie	(54) Ballistic shield	(51) G01N 17/02
(31) 102021214235.4	(71) Pointman Armor Concepts B.V.	(21) 2030136
(32) 13.12.2021	(74) ir. A.R. Aalbers	(22) 15.12.2021
(33) Germany	(72) Abraham Alexander Frederic Oostvogel	(54) Device and method for measuring a conduit in a submerged or subterranean environment
(51) F16M 11/04	(41) 27.06.2023	(71) iSensPro NV
F16M 11/08	(51) G01B 9/02003	(74) dr. ir. G.J.C. Verdijck c.s.
F16M 11/20	G02B 6/24	(72) Yves Marie-Louis Gabriël Desmet
F16M 13/02	H04B 10/70	
(21) 2030059	(21) 2030077	(51) G01N 21/00
(22) 07.12.2021	(22) 08.12.2021	A01J 5/013
(54) A CARRIER DEVICE FOR CARRYING AN OBJECT, SUCH AS A COMPUTER DISPLAY	(54) METHOD AND SYSTEM FOR MATCHING FREQUENCIES OF LASERS IN A QUANTUM COMMUNICATION SYSTEM	(21) 2030155
(71) R-GO TOOLS B.V.	(71) Technische Universiteit Delft	(22) 16.12.2021
(74) ir. W.J.J.M. Kempes	(74) dr. ir. G.J.C. Verdijck c.s.	(54) Milking system with analysis unit
(72) Fortunatus Johannes de Haas	(72) Joshua Alexander Slater	(71) Lely Patent N.V.
(41) 22.06.2023	Thomas Middelburg	(74) ir. M.J.F.M. Corten
(51) F16M 11/04	Remon Ciaran Berrevoets	(72) Peter Michael Gavin
F16M 11/08	(41) 22.06.2023	Darby Anne McChesney
F16M 13/02	(51) G01C 21/36	(41) 28.06.2023
F16M 11/20	G08G 1/14	(51) G01N 21/00
(21) 2030060	(21) 1044226	A01J 5/013
(22) 07.12.2021	(22) 07.12.2021	(21) 2030112
(54) A CARRIER DEVICE FOR CARRYING AN OBJECT, SUCH AS A LAMP	(54) Systeem voor het geven van advies voor het parkeren van een voertuig, in het bijzonder een zonnevoertuig	(22) 13.12.2021
(71) Fortunatus Johannes de Haas	(71) Naima Marzouk	(54) Melksysteem met bemonstering en analyse
(74) ir. W.J.J.M. Kempes	(72) Naima Marzouk	(71) Lely Patent N.V.
(72) Fortunatus Johannes de Haas	(41) 22.06.2023	(74) ir. M.J.F.M. Corten
(51) F24D 11/02	(51) G01M 9/02	(72) Johannes Adriaan Dronkert
A62C 35/58	G01M 9/04	Frans Jacob de Graaf
(21) 2030053	(21) 2031796	Leendert de Borst
(22) 07.12.2021	(22) 08.05.2022	(41) 27.06.2023
(54) Heat transfer system	(54) Intensive wind tunnel structure with stratified variable wind speed	(51) G01N 21/64
(71) Sprinkler Energy B.V.	(71) Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences	G01N 21/01
(74) ir. H.A. Witmans c.s.	(74) dr. T. Wittop Koning PhD	(21) 2031031
(72) Ruben Udo de Bruin	(72) Xiangxiang Yu	(22) 22.02.2022
Ate Atsma	Jinglong Fan	(54) QUANTUM DOT FLUORESCENCE DETECTION APPARATUS AND METHOD
(41) 22.06.2023		(71) Chongqing Vocational Institute of Engineering
(51) F27B 1/00		(74) ir. W.J.J.M. Kempes
F27B 1/08		(72) Guoping Lei
F27B 1/16		Shenghao Li

- (31) 202111518740.0  
(32) 07.12.2021  
(33) China
- 
- (51) G01N 21/84  
G01N 33/497  
G01N 21/31  
(21) 2032106  
(22) 09.06.2022  
(54) Portable Device for Measuring  
photosynthetic Gas of Plant  
Photosynthesis
- (71) RESEARCH INSTITUTE OF HIGHWAY  
MINISTRY OF TRANSPORT
- (74) dr. T. Wittop Koning PhD  
(72) Zhiqiang Liu  
Jian Wang  
Jing Zhao  
Shegang Shao  
Dan Wang  
Zhaoming Wang  
Dong Zhang
- (31) 202111530252.1  
(32) 14.12.2021  
(33) China
- 
- (51) G01N 23/046  
(21) 2030070  
(22) 07.12.2021  
(54) TRANSMISSION IMAGING DETECTION  
DEVICE AND ITS COMPUTED  
TOMOGRAPHY IMAGING SYSTEM
- (71) Zheng Fang  
(74) ir. M.B. Plaggenborg  
(72) Zheng Fang
- 
- (51) G01N 25/00  
G01N 1/34  
G01N 27/62  
G01N 5/00  
G01N 30/02  
G01N 31/12  
(21) 2030062  
(22) 07.12.2021  
(54) EXPERIMENTAL SYSTEM  
FOR STUDYING GENERATION  
OF HYDROGEN SULFIDE BY  
THERMOCHEMICAL REDUCTION  
REACTION OF SULFATE IN THERMAL  
RECOVERY OF HEAVY OIL
- (71) China University of Petroleum (East  
China)
- (74) ir. M.B. Plaggenborg  
(72) Riyi Lin  
Xinwei Wang  
Weibo Zheng  
Xiuxia Zhang  
Ye Jiang  
Zhengda Yang
- (41) 22.06.2023
- 
- (51) G01N 30/06  
G01N 30/72  
(21) 2030036  
(22) 03.12.2021  
(54) METHOD FOR TRACING THE  
GEOGRAPHICAL ORIGIN OF POTATO  
BASED ON MINERAL ELEMENTS AND  
STABLE ISOTOPES
- (71) Inner Mongolia Academy of Agricultural  
and Animal Husbandry Sciences  
(74) ir. M.B. Plaggenborg
- (72) Huanchun Li  
Yao Zhang  
Xinxin Zhang  
Fujin Zhang  
Guanghua Liu  
Taiyin Dong  
Boyang Kang  
Na Sha  
Xiuping Li  
Ying Feng  
Jing Nie
- (41) 21.06.2023
- 
- (51) G01N 33/24  
(21) 2032155  
(22) 13.06.2022  
(54) ECOLOGICAL ASSESSMENT METHOD  
FOR REMEDIATION EFFECT ON  
HEAVY METAL CONTAMINATED SOIL
- (71) Institute of Agricultural Resources and  
Environment, Guangdong Academy of  
Agricultural Sciences
- (74) ir. M.B. Plaggenborg  
(72) Yanhong Wang  
Qi Li  
Shaoying Ai  
Yichun Li  
Mingdeng Tang  
Linfeng Li  
Weifang Hu
- (41) 27.06.2023
- (31) 202111539876.X  
(32) 15.12.2021  
(33) China
- 
- (51) G01N 33/53  
G01N 33/68  
(21) 2030135  
(22) 14.12.2021  
(54) AUTOIMMUNE HEPATITIS  
BIOMARKERS
- (71) Academisch Ziekenhuis Leiden (h.o.d.n.  
LUMC)
- (74) dr. A. Krebs  
(72) Tamas Pongracz  
Maaike Biewenga  
Manfred Wuhrer  
Noortje de Haan  
Bart van Hoek
- (41) 27.06.2023
- 
- (51) G01N 33/574  
(21) 2030124  
(22) 13.12.2021  
(54) DIAGNOSIS OF COLORECTAL  
CANCER
- (71) Academisch Ziekenhuis Leiden (h.o.d.n.  
LUMC)
- (74) dr. A. Krebs  
(72) Manfred Wuhrer  
Katarina Madunic  
Gerritje S.M. Lageveen-Kammeijer
- 
- (51) G01R 19/00  
G01R 15/20  
(21) 2030017  
(22) 03.12.2021  
(54) DIRECT CURRENT SENSOR CIRCUIT  
CAPABLE OF OUTPUTTING ANY BIAS  
CURRENT
- (71) CHENG DU XINXIN SHENFENG  
ELECTRONICS SCI. &TECH.CO.,LTD.
- (74) ir. W.J.J.M. Kempes  
(72) Wei Wang  
Guanyu Pu  
Yong Wang  
Gang Du  
Ming Wang  
Cuilan Zhao
- (41) 21.06.2023
- 
- (51) G02B 3/00  
G03F 1/66  
(21) 2033684  
(22) 07.12.2022  
(54) POD FOR CONTAINING A  
PHOTOMASK
- (71) Chi-Chung Chen  
(74) ir. F.A. Geurts c.s.  
(72) Chi-Chung Chen  
(31) 110145910  
(32) 08.12.2021  
(33) Taiwan, Chinese Taipei
- 
- (51) G03F 1/66  
(21) 2033682  
(22) 07.12.2022  
(54) LITHOGRAPHIC METHOD BY USING  
A PHOTOMASK CONTAINED IN A  
TRANSPARENT POD
- (71) Chi-Chung Chen  
(74) ir. F.A. Geurts c.s.  
(72) Chi-Chung Chen  
(31) 110145912  
(32) 08.12.2021  
(33) Taiwan, Chinese Taipei
- 
- (51) G03F 1/84  
G03F 1/66  
(21) 2033683  
(22) 07.12.2022  
(54) METHOD FOR INSPECTING A  
PHOTOMASK CONTAINED IN A  
TRANSPARENT POD
- (71) Chi-Chung Chen  
(74) ir. F.A. Geurts c.s.  
(72) Chi-Chung Chen  
(31) 110145911  
(32) 08.12.2021  
(33) Taiwan, Chinese Taipei
- 
- (51) G03F 7/20  
G02B 7/198  
(21) 2033001  
(22) 12.09.2022  
(54) MULTI-LINKAGE COUPLED TWO-AXIS  
DRIVE MECHANISM FOR FLEXIBLE  
ILLUMINATOR
- (71) HARBIN INSTITUTE OF TECHNOLOGY  
(74) ir. M.B. Plaggenborg  
(72) Jian Zheng  
Kai Fang  
Zhenzhuo Yan  
Jianwei Wu  
Pengyue Zhao
- (31) 202111542258.0  
(32) 16.12.2021  
(33) China
- 
- (51) G03F 7/20  
G02B 26/08  
(21) 2033000  
(22) 12.09.2022



(54) MICRO MIRROR ARRAY DRIVING DEVICE BASED ON MULTI-DEGREE-OF-FREEDOM FLEXIBLE HINGE	(22) 07.12.2021	(41) 22.06.2023
(71) HARBIN INSTITUTE OF TECHNOLOGY	(54) PERSPECTIVE-FOUR-LINE METHOD ASSISTED BY VISIBLE LIGHT	(51) H01L 21/67
(74) ir. M.B. Plaggenborg	COMMUNICATION IN INDOOR POSITIONING	H01L 21/683
(72) Yixiao Ye	(71) Beijing University of Posts and Telecommunications	(21) 2030086
Zhenzhuo Yan	(74) ir. M.B. Plaggenborg	(22) 09.12.2021
Yin Zhang	(72) Yang Yang	(54) Method and device for bonding of substrates with electromagnetic irradiation
Jianwei Wu	Lin Bai	(71) SUSS MicroTec Lithography GmbH
Pengyue Zhao	Chunyan Feng	(74) ir. J.C. Volmer c.s.
(31) 202111541834.X	Congcong Wang	(72) Raoul Kirner
(32) 16.12.2021	Cailli Guo	Sebastian Tussing
(33) China	(41) 22.06.2023	(41) 26.06.2023
(51) G05B 17/02	(51) G06Q 50/02	(51) H01L 21/67
G05B 13/04	(21) 2034835	H01L 21/683
(21) 2030129	(22) 15.05.2023	(21) 2030087
(22) 14.12.2021	(54) A DESERT VEGETATION BIOMASS ESTIMATION SYSTEM AND METHOD	(22) 09.12.2021
(54) CONTROL STRATEGY FOR EXTERNAL CONSENSUS OF MULTIPLE VALVE SYSTEMS BASED ON EQUIVALENT INPUT DISTURBANCE	(71) XINJIANG AGRICULTURAL UNIVERSITY	(54) Method and device for temperature-controlled bonding of substrates with electromagnetic irradiation
(71) Central South University	(74) ir. M.B. Plaggenborg	(71) SUSS MicroTec Lithography GmbH
(74) ir. W.J.J.M. Kempes	(72) Guilif Sun	(74) ir. J.C. Volmer c.s.
(72) Yanning Dou	Pu Wang	(72) Raoul Kirner
Qi Lei	Wenting Ge	Katrin Fischer
(41) 27.06.2023	Yuanmei Zhang	Sebastian Tussing
(51) G05D 1/02	Badugera Aliya	(41) 26.06.2023
A01B 79/00	(51) G07F 11/42	(51) H01L 23/00
(21) 2030091	G07F 11/62	H01L 25/065
(22) 09.12.2021	G07F 7/06	H01L 25/00
(54) A METHOD FOR CULTIVATING A PIECE OF SLOPING FARMLAND, AND A METHOD AND SYSTEM FOR GENERATING A CULTIVATION PLAN	G07F 11/00	H01L 21/683
(71) AGXEED HOLDING B.V.	G07F 11/58	(21) 2034684
(74) ir. P.J.P. Janssen	(21) 2030104	(22) 10.05.2022
(72) Joris Jan Hiddema	(22) 10.12.2021	(54) ACTIVE DEVICE LAYER AT INTERCONNECT INTERFACES
Laurentius Hubertus Margaretha Schmitz	(54) DEVICE FOR ISSUEING OR TAKING IN PRODUCTS	(62) 2031824 (10.05.2022)
(51) G06F 3/0354	(71) Le Marche beheer B.V.	(71) Intel Corporation
G06F 3/041	(74) dr. ir. G.J.C. Verdijck c.s.	(74) dr. A. Krebs
(21) 2030117	(72) Sander Ewout Sciarone	(72) Adel Elsherbini
(22) 13.12.2021	Franciscus Vermunt	Aleksandar Aleksov
(54) ELECTROSTATIC PERIPHERAL COMMUNICATION FOR TOUCH-SENSITIVE DISPLAY	(41) 27.06.2023	Sathya Narasimman Tiagaraj
(71) Microsoft Technology Licensing, LLC	(51) G09B 9/06	Gerald Pasdast
(74) ir. J.C. Volmer c.s.	(21) 2033680	Johanna Swan
(72) Gilad Pundak	(22) 07.12.2022	Han Wui Then
(41) 27.06.2023	(54) BEELDCREËRENDE SIMULATOR, INRICHTING, SYSTEEM EN SIMULATIEWERKWIJZE VOOR EEN OEFENING AAN EEN LEIDINGSYSTEEM	Shawna Liff
(51) G06F 11/10	(71) Rheinmetall Electronics GmbH	Kimin Jun
(21) 2033511	(74) dr. R.C. van Duijvenbode c.s.	Feras Eid
(22) 11.11.2022	(72) Karen Rippert	(31) 17/344,348
(54) FAST MEMORY ECC ERROR CORRECTION	Sven Andresen	(32) 10.06.2021
(71) Intel Corporation	(31) 102021132351.7	(33) United States of America
(74) dr. A. Krebs	(32) 08.12.2021	(51) H01L 23/58
(72) Jing Ling	(33) Germany	H01L 25/065
Rajat Agarwal	(51) G11C 11/406	H01L 23/00
Wei P. Chen	G11C 11/54	(21) 2034679
(31) 17/550,859	G06N 3/063	(22) 04.11.2021
(32) 14.12.2021	(21) 2030081	(54) HERMETIC SEALING STRUCTURES IN MICROELECTRONIC ASSEMBLIES HAVING DIRECT BONDING
(33) United States of America	(22) 08.12.2021	(62) 2029641 (04.11.2021)
(51) G06F 17/11	(54) WRITEBACK CONTROL FOR READ-DESTRUCTIVE COMPUTER MEMORY	(71) Intel Corporation
G06F 17/16	(71) Microsoft Technology Licensing, LLC	(74) dr. A. Krebs
G06T 7/73	(74) ir. J.C. Volmer c.s.	(72) Manish Chandhok
G01S 5/16	(72) Ori Laslo	Mohammad Enamul Kabir
(21) 2030069	Gilad Kirshenboim	Adel A. Elsherbini
		(31) 17/120,958
		(32) 14.12.2020
		(33) United States of America
		(51) H01L 25/18

(21) 2033394	(22) 15.09.2022	Thomas Middelburg
(22) 25.10.2022	(54) Ship autonomous network communication equipment	Remon Ciaran Berrevoets
(54) FINE-GRAINED DISAGGREGATED SERVER ARCHITECTURE	(71) Fishery Machinery and Instrument Research Institute of Chinese Academy of Fishery Sciences	(41) 22.06.2023
(71) Intel Corporation	(74) dr. T. Wittop Koning PhD	(51) H04N 7/10
(74) dr. A. Krebs	(72) Yao Lin	H03H 7/48
(72) Robert J. Munoz	Xinying Zhao	(21) 2033235
Carleton L. Molnar	Jianyu Li	(22) 05.10.2022
Krishna Bharath	Shu Zhang	(54) Cable network device
Julien Sebot	Na Li	(71) Technetix B.V.
Tanay Karnik	(41) 28.06.2023	(74) drs. C.M.A. Quintelier
Gerald S. Pasdast	(51) H02G 1/10	(72) Matthijs Laro
Adel A. Elsherbini	F16L 1/24	Diego Royo Moros
Dmitri E. Nikonov	F16L 1/20	Martien Rijssenem
Johanna M. Swan	F16L 1/235	(31) 2117722.5
Neelam Chandwani	B63B 35/04	(32) 08.12.2021
Shawna M. Liff	(21) 2030145	(33) United Kingdom
Nevine Nassif	(22) 15.12.2021	(51) H05B 6/10
(31) 17/548,304	(54) Cable laying vessel	F16C 35/00
(32) 10.12.2021	(71) Baggermaatschappij Boskalis B.V.	(21) 2033412
(33) United States of America	(74) ir. F.A. Geurts c.s.	(22) 28.10.2022
(51) H01L 31/0224	(72) Maarten Alexander Beerens	(54) Portable induction heater for annular bearing components comprising pockets
H01L 31/049	Emiel van Weenen	(71) Aktiebolaget SKF
H01L 31/05	Roy Anne Boekraad	(74) J. Hoekstra
(21) 2030125	Louis Nieuwenhuis	(72) Alberto Javier Herrera Caballero
(22) 14.12.2021	(51) H02J 7/00	Sebastien David
(54) Solar panel using back-contacted solar cells.	B60L 58/19	(31) 102021214231.1
(71) Atlas Technologies Holding B.V.	(21) 2030079	(32) 13.12.2021
(74) ir. J.C. Volmer c.s.	(22) 08.12.2021	(33) Germany
(72) Hendrik N Slingerland	(54) ELECTRIC POWER SYSTEM FOR A COMMERCIAL VEHICLE	
(41) 27.06.2023	(71) DAF Trucks N.V.	
(51) H01L 31/0224	(74) ir. H.A. Witmans c.s.	
H01L 31/068	(72) Johannes Theodorus Bernard Anna Kessels	
(21) 2030089	(41) 22.06.2023	
(22) 09.12.2021	(51) H04B 10/077	
(54) Integration of inductors on silicon-based solar cells	H04L 9/08	
(71) Technische Universiteit Delft	G06F 1/04	
(74) drs. P.A. van Essen c.s.	H04L 7/00	
(72) David Auke van Nijen	H04B 10/70	
Patrizio Manganiello	(21) 2030076	
Olindo Isabella	(22) 08.12.2021	
(41) 26.06.2023	(54) METHOD AND SYSTEM FOR DETERMINING A ROUND-TRIP LATENCY OF A COMMUNICATION CHANNEL	
(51) H01M 4/04	(71) Technische Universiteit Delft	
H01M 4/134	(74) dr. ir. G.J.C. Verdijck c.s.	
H01M 4/133	(72) Joshua Alexander Slater	
H01M 4/1395	Thomas Middelburg	
H01M 4/1393	Remon Ciaran Berrevoets	
H01M 4/38	(41) 22.06.2023	
H01M 4/587	(51) H04B 10/70	
H01M 4/66	H04B 10/2575	
H01M 4/70	H04B 10/54	
H01M 4/62	H04B 10/50	
H01M 10/052	H04B 10/079	
(21) 2030074	(21) 2030075	
(22) 08.12.2021	(22) 08.12.2021	
(54) ELECTRODE WITH EMBEDDED PILLAR STRUCTURE	(54) METHOD AND SYSTEM FOR DETERMINING HALF-WAVE VOLTAGE OF INTENSITY MODULATOR	
(71) LionVolt B.V.	(71) Technische Universiteit Delft	
(74) ir. H.A. Witmans c.s.	(74) dr. ir. G.J.C. Verdijck c.s.	
(72) Lucas Augustinus Haverkate	(72) Joshua Alexander Slater	
Mahmoud Ameen		
Sandeep Unnikrishnan		
(41) 22.06.2023		
(51) H01Q 1/18		
H01Q 1/34		
(21) 2033036		

## NP2

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

(51) A01B 59/06 A01B 63/102	(51) A01G 9/029 B25J 9/02 A01G 9/24 B25J 15/04	Guozhi Zhou Yuan Cheng Meiyang Ruan (74) ir. M.B. Plaggenborg
(11) 2030058 (47) 22.06.2023 (22) 07.12.2021	(11) 1044231 (47) 22.06.2023 (22) 06.12.2021	(51) A01J 5/01 A01J 5/013 (11) 2030111 (47) 27.06.2023 (22) 13.12.2021
(54) A METHOD FOR CULTIVATING A PIECE OF FARMLAND AND A TRACTOR FOR EMPLOYING THE METHOD	(54) Fully automatic plant cultivation device (73) Stefan Gritsch (72) Stefan Gritsch (74) ir. J.C. Volmer c.s.	(54) Melksysteem (73) Lely Patent N.V. (72) Bas Schoutens Mattheus Jacob de Hullu (74) ir. M.J.F.M. Corten
(73) AGXEED HOLDING B.V. (72) Joris Jan Hiddema Laurentius Hubertus Margaretha Schmitz (74) ir. P.J.P. Janssen	(51) A01G 18/20 A01G 18/00 (11) 2030065 (47) 22.06.2023 (22) 07.12.2021	(72) Bas Schoutens Mattheus Jacob de Hullu (74) ir. M.J.F.M. Corten (51) A01J 7/02 (11) 2030165 (47) 28.06.2023 (22) 16.12.2021
(51) A01F 12/44 (11) 2032953 (47) 21.06.2023 (22) 05.09.2022	(54) VOLVARIELLA VOLVACEA (BULL.) SINGER SELF-HEATING CULTIVATION BASE MATERIAL, SUBSTRATE AND CULTIVATION METHOD (73) Foshan Zhibao Ecological Technology Co., Ltd. (72) Guoping Yang Xingxiu Huang Yajun Wang Xunlin Zheng Yongjun Guo Jianbing Zhou (74) ir. M.B. Plaggenborg	(54) Milking system with central utility system (73) Lely Patent N.V. (72) Gerard Mostert Dirk Kraaij (74) ir. M.J.F.M. Corten (51) A01K 61/80 A01K 61/10 (11) 2032252 (47) 26.06.2023 (22) 22.06.2022
(54) GIANT CENTRIFUGAL CLEANING AND SCREENING DEVICE FOR COMBINE HARVESTER (73) Jinhua Polytechnic (72) Xuan Zhou Zhan Su Zhiming Wang Zhao Ding Yunfeng Fu (74) ir. W.J.J.M. Kempes (31) 202111084533.9 (32) 16.09.2021 (33) China	(54) AUTOMATIC DOMESTICATION BAIT DEVICE FOR PLECTROPOMUS LEOPARDUS JUVENILE FISH AND METHOD THEREOF (73) Hainan Academy of Ocean and Fisheries Sciences (72) Wei Tan Yongbo Wang Shuyuan Fu Jinye Liu Jin Gao Fuxiao Chen (74) ir. M.B. Plaggenborg (31) 202111115918.7 (32) 23.09.2021 (33) China	(54) AUTOMATIC DOMESTICATION BAIT DEVICE FOR PLECTROPOMUS LEOPARDUS JUVENILE FISH AND METHOD THEREOF (73) Hainan Academy of Ocean and Fisheries Sciences (72) Wei Tan Yongbo Wang Shuyuan Fu Jinye Liu Jin Gao Fuxiao Chen (74) ir. M.B. Plaggenborg (31) 202111115918.7 (32) 23.09.2021 (33) China
(51) A01G 2/10 A01G 24/28 A01N 59/16 A01P 21/00 A01N 43/38 A01N 37/10 A01N 59/00 (11) 2030244 (47) 22.06.2023 (22) 22.12.2021	(54) Inrichting voor het aanbrengen van een markering in een vulmedium tijdens het vullen van champignoncellen en / of overtrekken van het vulmedium naar een verdere champignoncel. (73) Erick Johannes Allegonda Hendrix Wilbert Maria Henricus Heldens (72) Erick Johannes Allegonda Hendrix Wilbert Maria Henricus Heldens (74) ir. H.A. Witmans c.s.	(54) AUTOMATIC DOMESTICATION BAIT DEVICE FOR PLECTROPOMUS LEOPARDUS JUVENILE FISH AND METHOD THEREOF (73) Hainan Academy of Ocean and Fisheries Sciences (72) Wei Tan Yongbo Wang Shuyuan Fu Jinye Liu Jin Gao Fuxiao Chen (74) ir. M.B. Plaggenborg (31) 202111115918.7 (32) 23.09.2021 (33) China
(54) ROOTING AGENT FOR CUTTING PROPAGATION OF DWARFING APPLE ROOTSTOCK M9T337, PREPARATION METHOD, AND PROPAGATION METHOD (73) Qingdao Agricultural University Dongying Qingnong Large Saline- alkali Land High-efficiency Agricultural Technology Industry Research Institute (72) Xiaozhao Xu Shenghui Su Qiuye Tian Chao Li Yongzhang Wang Yongbing Yuan (74) ir. M.B. Plaggenborg (31) 202011622198.9 (32) 31.12.2020 (33) China	(51) A01G 22/05 A01H 1/04 A01G 31/00 C12Q 1/18 (11) 2030068 (47) 22.06.2023 (22) 07.12.2021 (54) METHOD FOR RAPIDLY IDENTIFYING FUSARIUM CROWN AND ROOT ROT RESISTANT PLANT BY HYDROPONIC INOCULATION AT SEEDLING STAGE (73) ZHEJIANG ACADEMY OF AGRICULTURAL SCIENCES (72) Rongqing Wang Qingjing Ye Hongjian Wan Zhuping Yao	(51) A01K 63/00 A01K 61/80 A01K 61/90 A01K 63/04 (11) 2030033 (47) 21.06.2023 (22) 03.12.2021 (54) INTELLIGENT OBSERVING SYSTEM FOR SHRIMP CULTURE (73) Zhejiang Mariculture Research Institute ZHEJIANG UNIVERSITY (72) Jianzhong Ma Xinbin Shao Chen Chen Pengcheng Nie Lihua Hu

Junqi Yu Guoquan Zeng Lining Zhang Maocang Yan (74) ir. M.B. Plaggenborg	Hu Zhang Erqi Hu Xiaowei Wu Chuanlai Du (74) ir. W.J.J.M. Kempes	(11) 2030098 (47) 27.06.2023 (22) 10.12.2021 (54) COMPOUND FEED FOR RELIEVING HEPATIC GLYCOGEN ACCUMULATION OF MICROPTERUS SALMOIDES AND ITS PREPARATION METHOD (73) Shanghai Ocean University (72) Zhihao Han Songlin Li Chunyan Sang Naisong Chen (74) ir. W.J.J.M. Kempes
(51) A01M 1/02 A01M 1/04 A01M 1/22 B08B 1/00 B08B 1/04 (11) 2030014 (47) 21.06.2023 (22) 03.12.2021 (54) INTELLIGENT PEST KILLING LAMP CAPABLE OF PREDICTING PESTS (73) Chongqing Vocational Institute of Engineering (72) Rengeng Lan Shaohua Fu (74) ir. W.J.J.M. Kempes	(51) A22C 21/00 (11) 2030106 (47) 26.06.2023 (22) 10.12.2021 (54) A deskinning apparatus for a poultry leg (73) Meyn Food Processing Technology B.V. (72) Dennis Blom (74) mr. ir. J. van Breda c.s.	(51) A23L 27/30 A23L 27/10 A23L 33/185 A23L 33/125 (11) 2030100 (47) 27.06.2023 (22) 10.12.2021 (54) NATURAL COMPOUND SWEETENING AGENT AND PREPARATION METHOD THEREOF (73) Qilu University of Technology Shandong Aojing Biotechnology Co., Ltd. (72) Yue Zheng Xiangqun Xu Xiao Zheng Haiyong Wang Liu Yang Bo Liu Yi Liu Zhipeng Zhang (74) ir. W.J.J.M. Kempes
(51) A01N 37/02 A01N 25/02 A01P 3/00 A01P 13/00 (11) 2030013 (47) 28.06.2023 (22) 03.12.2021 (54) Pesticides comprising fatty acids (73) ChainCraft B.V. (72) Nicolaas Jacobus van Stralen Jeroen Foeke van Dorp Maurice Bernard Johan Alexander Oltheten (74) dr. ir. G.J.C. Verdijck c.s.	(51) A23K 10/12 A23K 10/30 A01K 61/00 A23K 50/80 C12P 1/04 (11) 2033126 (47) 21.06.2023 (22) 26.09.2022 (54) GALLNUT FERMENTATION METHOD FOR AQUATIC ANIMAL GROWTH PROMOTION AND DISEASE RESISTANCE AND APPLICATION (73) Freshwater Fisheries Research Center, CAFS (72) Qunlan Zhou Bo Liu Yan Lin Cunxin Sun Yan Jin Linghong Miao Xianping Ge (74) ir. M.B. Plaggenborg	(51) A23L 29/20 A23J 3/22 (11) 2030119 (47) 27.06.2023 (22) 13.12.2021 (54) Meat or fish substitute, and method for preparing the same (73) Stichting Wageningen Research (72) Stacy Christine Pyett Laurice Anne-Marie Pouvreau (74) ir. J.C. Volmer c.s.
(51) A01P 21/00 A01N 37/44 A01N 43/08 C05F 11/10 C05G 3/00 (11) 2030108 (47) 27.06.2023 (22) 10.12.2021 (54) ANTI-STRESS/STRESS RECOVERY COMPOSITION FOR PLANTS, METHOD FOR PREVENTING AND/OR TREATING STRESS IN PLANTS (73) Culterra Holland B.V. (72) Leon Dirk Fock Maurice Aloysius Antonius Evers (74) dr. ir. G.J.C. Verdijck c.s.	(83) M2015602 12.10.2015 China Center for Type Culture Collection (CCTCC) College of Life Sciences, Wuhan University, Wuhan 430072, China M20211221 26.09.2021 China Center for Type Culture Collection (CCTCC) College of Life Sciences, Wuhan University, Wuhan 430072, China 1647 10.03.2006 China General Microbiological Culture Collection Center (CGMCC) Institute of Microbiology, Chinese Academy of Sciences, No. 1 West Beichen Road, Chaoyang District, Beijing 100 101, China (31) 202111606181 .9 202111132293 .5 (32) 24.12.2021 26.09.2021 (33) China China (51) A23K 40/10 A23K 50/80 A23K 10/37 A23K 10/10 A23K 20/20 A23K 10/22 A23K 20/10	(51) A23N 1/00 A23N 1/02 B26D 3/26 A23N 15/00 (11) 2030083 (47) 22.06.2023 (22) 08.12.2021 (54) A CITRUS HALVES CUTTING APPARATUS (73) PEELPIONEERS B.V. (72) Jaap Dane Antonius Godefridus Theodorus van Lammeren Mark Derks Sander Johannes Antonius Wieman (74) ir. M. Cramwinckel (51) A23P 30/00 B26F 1/38 B26D 5/06 B26D 5/08 A23J 3/22 B26D 1/15 B26D 9/00
(51) A21D 2/36 (11) 2030090 (47) 26.06.2023 (22) 09.12.2021 (54) Instant Hericium erinaceus flavor fried dough twist and preparation method thereof (73) Anhui Science and Technology University Anhui Hequan Farm Ecological Agriculture Co. , Ltd Anhui Chuhaha Food Technology Co. , Ltd. (72) Ping Si Xianbao Li Pengli Hu Jingjun Li Baoan Jiang Xiaoqian Zou		

B26D 1/45	Yan Song	(72) Shanshan Zhang
B26D 5/00	Jinhui Tang	Xiang Fan
B26D 7/06	Ruipeng Zhang	Yuan Zhou
A22C 17/00	(74) ir. M.B. Plaggenborg	Zhong Chen
(11) 2030107	(51) A61B 10/02	(74) ir. M.B. Plaggenborg
(47) 27.06.2023	A61B 10/00	(31) 202111247965.7
(22) 10.12.2021	(11) 2030156	(32) 26.10.2021
(54) Foodstuff portioning device	(47) 28.06.2023	(33) China
(73) Plant Meat Makers B.V.	(22) 16.12.2021	(51) A61K 33/18
(72) Ernst Jan Breeel	(54) Medical sampling device for capturing	A61P 11/02
Birgit Laura Dekkers	bioanalytes	A61P 31/02
Jort Evan Gerard Zwieters	(73) IDRIS ONCOLOGY B.V.	A61K 47/38
(74) ir. J.C. Volmer c.s.	(72) Hans Peter Mulder	A61K 47/20
(51) A42B 3/24	Peter Immanuël Wiegman	(11) 2025641
(11) 2030153	(74) ir. J.C. Volmer c.s.	(47) 22.06.2023
(47) 28.06.2023	(51) A61B 90/00	(22) 20.05.2020
(22) 16.12.2021	A61N 5/10	(54) METHODS AND COMPOSITIONS FOR
(54) VISOR ASSEMBLY WITH IMPROVED	(11) 2030157	IMPROVED TREATMENT OF SINUS
ATTACHMENTS	(47) 28.06.2023	DISEASE
(73) PINLOCK PATENT B.V.	(22) 16.12.2021	(73) Veloce Biopharma, LLC
(72) Bastiaan Jongasma	(54) MARKING ARRANGEMENT, MEDICAL	(72) Joseph Capriotti Decio
Jeroen Borggreve	DEVICE, AND SYSTEM FOR	Belachew Tessema
(74) drs. W.H.P. Derks	RECONSTRUCTING A PLANNED	(74) ir. H.A. Witmans c.s.
(51) A47G 9/02	TRAJECTORY	(31) 63/021,039
(11) 2030110	(73) Nucletron Operations B.V.	63/021,035
(47) 27.06.2023	(72) Farahnaz Lie-Kwie-Sjoe	63/015,313
(22) 10.12.2021	(74) ir. H.A. Witmans c.s.	63/012,629
(54) A pillowcase with stretchable opening to	(51) A61F 2/68	63/011,961
hold a pillow in place.	A61F 2/70	(32) 06.05.2020
(73) Nathaniel Conquet	(11) 2030109	06.05.2020
(72) Nathaniel Conquet	(47) 27.06.2023	24.04.2020
(51) A61B 1/005	(22) 10.12.2021	20.04.2020
A61M 25/01	(54) MULTIMODAL HINGE JOINT SYSTEM	17.04.2020
(11) 2030160	FOR PROSTHESIS OR ORTHOSIS	(33) United States of America
(47) 28.06.2023	(73) AXILES BIONICS BV	United States of America
(22) 16.12.2021	(72) Pierre Chernelle	United States of America
(54) Coupling controller for steerable	Felipe Gomez	United States of America
instrument	Julien De Muyter	United States of America
(73) Fortimedix Assets II B.V.	Gil Lauwers	(51) A61M 25/01
(72) Mattheus Hendrik Louis Thissen	(74) dr. ir. G.J.C. Verdijck c.s.	A61B 1/005
(74) dr. R.C. van Duijvenbode c.s.	(51) A61J 1/16	(11) 2030159
(51) A61B 5/00	(11) 2033085	(47) 28.06.2023
A61B 5/145	(47) 22.06.2023	(22) 16.12.2021
G01N 33/68	(22) 20.09.2022	(54) Steerable instrument for endoscopic or
(11) 2030042	(54) DEVICE, BOTTLE SLEEVE AND	invasive applications
(47) 22.06.2023	BOTTLE FOR TEMPERATURE RISE OF	(73) Fortimedix Assets II B.V.
(22) 06.12.2021	VACCINE	(72) Mattheus Hendrik Louis Thissen
(54) A method and sensor system for	(73) YANGTZE University	(74) dr. R.C. van Duijvenbode c.s.
characterizing in vivo the concentration of	(72) Chunyun Wan	(51) A61M 25/01
a compound in amniotic fluid	Fengli Yang	A61B 17/00
(73) Technische Universiteit Eindhoven	(74) ir. M.B. Plaggenborg	A61B 1/005
(72) Jacobus Lodevicus Martinus van	(31) 202111131234.6	(11) 2030128
Mechelen	(32) 26.09.2021	(47) 27.06.2023
Marieke Beatrijs van der Hout - van der	(33) China	(22) 14.12.2021
Jagt	(51) A61K 9/06	(54) Steerable instrument for endoscopic or
Swan Gie Oei	A61K 9/51	invasive applications
(74) ir. A. Blokland c.s.	A61K 47/10	(73) Fortimedix Assets II B.V.
(51) A61B 5/11	A61K 47/36	(72) Mattheus Hendrik Louis Thissen
(11) 2030037	A61K 31/517	(74) dr. R.C. van Duijvenbode c.s.
(47) 21.06.2023	(11) 2033322	(51) B01D 53/14
(22) 03.12.2021	(47) 21.06.2023	B01D 53/18
(54) PREDICTION METHOD FOR HUMAN	(22) 14.10.2022	(11) 2030150
ACTION BASED ON JUMP ATTENTION	(54) BAICALIN-CALCIUM ALGINATE	(47) 28.06.2023
MECHANISM	THERMOSENSITIVE NANO GEL AS	(22) 16.12.2021
(73) NANJING UNIVERSITY OF SCIENCE	WELL AS PREPARATION METHOD	(54) METHOD FOR CHEMICAL
AND TECHNOLOGY	AND APPLICATION THEREOF	ABSORPTION AND RECOVERY
(72) Xiangbo Shu	(73) Zhejiang Chinese Medical University	OF CO2 WITH LOW ENERGY

CONSUMPTION AT LOW TEMPERATURES	(32) 12.11.2021 (33) China	(22) 30.06.2022 (54) ADJUSTABLE ROTARY SELF-THROWING AND AIRFLOW GLUE-SPRAYING TYPE WOOD SHAVING AND GLUE BLENDER FOR EXPERIMENT
(73) WFU B.V.	(51) B21B 1/22	(73) Southwest Forestry University
(72) Christiaan Leo Evert Nijst Franciscus Johannes Maria Schrauwen	(11) 2032597 B21B 1/28	(72) Hui Wan Chunlei Dong
(74) dr. ir. G.J.C. Verdijck c.s.	(47) 26.06.2023	(74) ir. W.J.J.M. Kempes
(51) B01J 23/72	(22) 25.07.2022	(31) 202220949846.X
B01J 35/04	(54) BASE STEEL WITH SANDED SURFACE, PREPARATION METHOD AND TINPLATE/TIN FREE STEEL PLATE THEREOF	(32) 24.04.2022
B01J 23/30	(73) ZHANGJIAGANG YANGZI RIVER COLD-ROLLED SHEET CO., LTD.	(33) China
B01J 31/16	(73) JIANGSU SHAGANG GROUP CO., LTD. INSTITUTE OF RESEARCH OF IRON & STEEL, SHAGANG, JIANGSU PROVINCE/SHA-STEEL CO., LTD.	(51) B29B 7/16
(11) 2030041	(72) Jiugui Huang	(11) 2030444
(47) 22.06.2023	Wei Yu	(47) 22.06.2023
(22) 06.12.2021	Hong Guo	(22) 06.01.2022
(54) 2D Cu-POM CATALYST FOR CATALYTIC COUPLING OF TERMINAL ALKYNES WITH 100% CONVERSION OF HYDROCARBONS AND METHOD FOR PREPARING SAME	(74) ir. H.Th. van den Heuvel c.s.	(54) A MOVABLE TYPE UNLOADING AND CURING DEVICE FOR BENZOXAZINE RESIN PRODUCTION
(73) ZHEJIANG NORMAL UNIVERSITY	(31) 202110857416.5	(73) Puyang Enying Polymer Materials Co.,Ltd.
(72) Caihong Zhan	(32) 28.07.2021	(72) Hongshui Wang
Huimin Zeng	(33) China	Dongfeng Zhang
(74) dr. T. Wittop Koning PhD	(51) B21C 31/00	Yuhui Li
(51) B05B 11/00	C22C 1/03	Hongshi Tang
(11) 2031330	B21C 23/00	Yuansheng Zhang
(47) 26.06.2023	B22D 11/00	Bo Yang
(22) 18.03.2022	C22C 1/02	(74) ir. W.J.J.M. Kempes
(54) LIQUID DOSING DISPENSER AND LIQUID CONTAINER COMPRISING SAID LIQUID DOSING DISPENSER	B21C 29/00	(31) 202110693381.6
(73) SmartSeal AS	B21C 33/00	(32) 22.06.2021
(72) Jeroen Gerrit Anton Gebbink	C22F 1/04	(33) China
Rune Kristian Knutsen	C22C 21/00	(51) B29C 48/14
(74) dr. ir. G.J.C. Verdijck c.s.	(11) 2032205	B29C 48/00
(31) 2030093	(47) 27.06.2023	C08G 65/46
(32) 09.12.2021	(22) 17.06.2022	B29C 48/285
(33) Netherlands	(54) WROUGHT ALUMINIUM-FERRO ALLOY AND PREPARATION METHOD THEREOF	C08L 71/12
(51) B05B 17/08	(73) GUILIN UNIVERSITY OF TECHNOLOGY	(11) 2025363
(11) 2030056	(72) Hongbo Cui	(47) 22.06.2023
(47) 22.06.2023	Jianze Yu	(22) 17.04.2020
(22) 07.12.2021	Chunxia Wang	(54) METHOD OF PRODUCING POLYPHENYLENE ETHER-BASED RESIN COMPOSITION
(54) A waterjet floor system, pool floor and kit of parts	Jun Lv	(73) Asahi Kasei Kabushiki Kaisha
(73) Dave van Buren	Ruidong Liang	(72) Toru Yamaguchi
(72) Dave van Buren	(74) ir. M.B. Plaggenborg	(74) ir. F.A. Geurts c.s.
(74) mr. ir. J. van Breda c.s.	(31) 202111520226.0	(31) 2019-080430
(51) B09C 1/10	(32) 13.12.2021	(32) 19.04.2019
C09K 17/04	(33) China	(33) Japan
A01G 9/02	(51) B27N 1/00	(51) B33Y 30/00
(11) 2033491	B27N 5/00	B29C 64/118
(47) 28.06.2023	B27N 9/00	B29C 64/295
(22) 09.11.2022	E04B 1/76	B29C 64/209
(54) DEVICE AND METHOD FOR REMEDIATION OF HEAVY METALS IN CULTIVATED LAND SOIL BY STRENGTHENING SEDUM PLUMBIZINCICOLA WITH BIOCHAR COMBINED WITH MICROORGANISM	(11) 2030120	B33Y 10/00
(73) Guizhou University	(47) 27.06.2023	(11) 2030050
Guizhou Institute of Biology	(22) 13.12.2021	(47) 22.06.2023
(72) Yingying Liu	(54) VEGETABLE MATERIAL AS INSULATION, FILLING OR PACKAGING	(22) 07.12.2021
Jiachun Zhang	(73) Bouwgroep Dijkstra Draisma B.V.	(54) A liquefier for use in an FFF system
Wenmin Luo	(72) Johannes Coenraad Verboom	(73) ULTIMAKER B.V.
Zhenming Zhang	Biense Dijkstra	(72) Marcus Arnoldus Hubertus Gerardus Joosen
Guiting Mu	(74) dr. ir. G.J.C. Verdijck c.s.	Paul Kuiper
Daigang Xu	(51) B27N 1/02	(74) dr. R.C. van Duijvenbode c.s.
Xianliang Wu	B01F 29/60	(51) B33Y 30/00
(74) dr. T. Wittop Koning PhD	B01F 29/63	B29C 64/118
(31) 202111340583.9	(11) 2032336	B33Y 40/00
	(47) 26.06.2023	B29C 64/321
		(11) 1044237

(47) 27.06.2023	E02D 27/42	(11) 1044230
(22) 15.12.2021	(11) 2030175	(47) 22.06.2023
(54) 3D MANUFACTURING SYSTEM, EXTRUDER SYSTEM AND FILAMENT GUIDING SYSTEM THERFOR	(47) 28.06.2023	(22) 06.12.2021
(73) Veda Group B.V.	(22) 17.12.2021	(54) Deksel voor verpakking uit vouwkarton
(72) Martijn Arnoud Koorevaar	(54) HEAVE TOLERANT PILE GUIDING DEVICE FOR GUIDING A PILE DURING INSTALLATION THEREOF	(73) Anderling B.V.
(74) ir. J.H. Lunshof	(73) Itrec B.V.	(72) Hendrik Christiaan Adolf Hoekstra
(51) B60G 3/01	(72) Lucas Boontjes	(51) B65D 5/70
B60G 13/00	(74) ir. J.C. Volmer c.s.	B65D 5/44
B60G 15/06	(51) B63C 7/00	B65D 5/54
(11) 2030171	B65D 81/02	(11) 1044305
(47) 28.06.2023	B65B 23/00	(47) 22.06.2023
(22) 17.12.2021	C08J 9/36	(22) 28.04.2022
(54) Vehicle suspension	(11) 2030700	(54) Blokvormige verpakking uit vouwkarton
(73) Vakha Gubachev	(47) 22.06.2023	(73) Anderling B.V.
(72) Vakha Gubachev	(22) 25.01.2022	(72) Hendrik Christiaan Adolf Hoekstra
(74) ir. H.A. Witmans c.s.	(54) IN-SITU REINFORCEMENT	(31) 1044230
(51) B60L 3/04	MULTI-WRAPPED EXTRACTION	(32) 06.12.2021
B60L 3/00	MATERIAL AND EXTRACTION AND RESTORATION METHOD FOR	(33) Netherlands
B62D 21/15	UNDERWATER FRAGILE CULTURAL RELICS	(51) B65G 21/06
B62D 33/077	(73) Zhejiang University	B65G 21/14
(11) 2030055	(72) Xueqiang Chen	(11) 2033732
(47) 22.06.2023	Xinxin Wang	(47) 27.06.2023
(22) 07.12.2021	Bingjian Zhang	(22) 15.12.2022
(54) COMMERCIAL VEHICLE COMPRISING AN IMPACT DEVICE	(74) ir. M.B. Plaggenborg	(54) Transportbandsysteem voorzien van bandgeleidingssecties
(73) DAF Trucks N.V.	(31) 202110157108.1	(73) Wilfridus Barendse
(72) Johannes Baptist Wilhelmus Bernardus Maria Broeders	(32) 04.02.2021	(72) Wilfridus Barendse
Johannes Theodorus Bernard Anna Kessels	(33) China	(74) ir. G.J.M. Verhees
(74) ir. H.A. Witmans c.s.	(51) B63H 21/17	(31) 2030148
(51) B60R 13/08	B63H 23/24	(32) 15.12.2021
B62D 1/16	H02K 5/128	(33) Netherlands
F16J 3/04	H02K 21/24	(51) B65G 67/32
(11) 2030072	(11) 2032766	B65G 65/23
(47) 22.06.2023	(47) 21.06.2023	B65G 67/24
(22) 08.12.2021	(22) 16.08.2022	(11) 2032685
(54) MOULDED SEALING DEVICE, TRUCK COMPRISING THE MOULDED SEALING DEVICE, AND METHOD FOR MANUFACTURING THE MOULDED SEALING DEVICE	(54) DEEP-SEA MAGNETIC COUPLING ISOLATION OIL COMPENSATION PROPULSION DEVICE	(47) 26.06.2023
(73) DAF Trucks N.V.	(73) National Deep Sea Center	(22) 04.08.2022
(72) Tom Kamps	(72) Peng Shen	(54) HOISTING SYSTEM FOR OVER-LIMIT ALARM TRANSPORT VEHICLE OF ASPHALT DISCHARGING GROOVE
(74) ir. H.A. Witmans c.s.	Lei Yang	(73) China Railway NO.9 Group Third Construction Co., Ltd.
(51) B62D 1/16	Kun Liu	China Railway NO.9 Group Co., LTD.
(11) 2030163	Shengya Zhao	(72) Jianghui Dong
(47) 28.06.2023	Yugang Ren	Shuai Zhao
(22) 16.12.2021	Baohua Liu	Tianchu Han
(54) Steering system and alignment tool	(74) ir. M.B. Plaggenborg	Bowei Xu
(73) DAF Trucks N.V.	(31) 202111326604 .1	Lianhai Li
(72) Martinus Wilhelmina Paulus Kuijpers	(32) 10.11.2021	Xingning Yuan
(74) ir. H.A. Witmans c.s.	(33) China	Tianmiao Song
(51) B62M 9/12	(51) B65D 5/42	Rile Su
(11) 2030082	B65D 5/72	Tao Zhang
(47) 22.06.2023	B65D 5/49	Jintao Zhao
(22) 08.12.2021	B65D 5/38	Qi Zhang
(54) Bicycle drivetrain system, bicycle drivetrain, method, and use	(11) 2030141	Ping Quan
(73) Classified Cycling BV	(47) 27.06.2023	Wanlong Tong
(72) Roëll Marie Van Druten	(22) 15.12.2021	Biao Ye
(74) ir. H.A. Witmans c.s.	(54) Set of blanks for forming letter box deliverable container for pouch packages	Hui Yao
(51) B63B 35/00	(73) BUSINESS INNOVATION CONSULTANTS B.V.	(74) ir. F.A. Geurts c.s.
E02D 13/04	(72) Bert Draaijer	(31) 202210191625.5
B66C 23/52	Rutger Willem Hendrik Visscher	(32) 01.03.2022
	(74) ir. J.J.A.M. Keij	(33) China
	(51) B65D 5/70	(51) B66C 1/06
	B65D 5/44	B66C 19/00
		B66C 13/22
		B66C 1/16
		(11) 2032477
		(47) 21.06.2023

- (22) 13.07.2022  
(54) INTELLIGENT ELECTROMAGNETIC HOIST  
(73) Shandong Luci Industrial Technology Co., Ltd.  
(72) Jianhua Zhang  
Jingsheng Chen  
Jingfeng Chen  
Wuhai Lu  
(74) ir. M.B. Plaggenborg  
(31) 202110787520.1  
(32) 13.07.2021  
(33) China
- 
- (51) C01B 3/38  
C01B 3/22  
(11) 2030045  
(47) 22.06.2023  
(22) 06.12.2021  
(54) A METHOD FOR PRODUCING HYDROGEN CONTAINING GAS  
(73) Dens B.V.  
(72) Martinus Arnoldus Petrus Maria Swinkels  
Max Johannes Robertus Aerts  
Yoshi Johannes Henricus Jacobus de Laat  
(74) dr. ir. G.J.C. Verdijk c.s.  
(51) C07C 227/18  
C07C 229/12  
(11) 2030022  
(47) 21.06.2023  
(22) 03.12.2021  
(54) SYNTHESIS OF mRNA TRANSMITTER  
(73) Wisdom Pharmaceutical Co., Ltd.  
(72) Xiaolong Qiu  
Tao Xu  
Zhiwei Zuo  
Lingling Chu  
Ping Zou  
Lin Hu  
Wenbo Liu  
(74) ir. W.J.J.M. Kempes
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- (51) C07K 14/195  
C12P 19/14  
C12N 9/90  
C12P 19/02  
(11) 2030021  
(47) 21.06.2023  
(22) 03.12.2021  
(54) L-ARABINOSE ISOMERASE (L-AI) DERIVED FROM LACTOCOCCUS LACTIS (L. LACTIS), AND USE THEREOF IN PREPARATION OF RARE SUGAR  
(73) Qilu University of Technology  
(72) Xinli Liu  
Ting Wang  
Susu Zhang  
Zhenshang Xu  
(74) ir. W.J.J.M. Kempes
- 
- (51) C07K 14/415  
C12N 15/82  
(11) 2032335  
(47) 21.06.2023  
(22) 30.06.2022  
(54) USE OF SWEET POTATO IBSAP15 GENE IN REGULATING LEAF SHAPE AND FLOWER SHAPE OF SWEET POTATO  
(73) Xuzhou Institute of Agricultural Sciences in Jiangsu Xuhuai District (Jiangsu Xuzhou Sweetpotato Research Center)  
(72) Yaju Liu  
Hao Xie  
Qiangqiang Yang  
Xiaoxiao Wang  
Ranqiu Li  
Hui Yan  
Yungang Zhang  
Meng Kou  
Wei Tang  
Xin Wang  
Qiang Li  
(74) ir. M.B. Plaggenborg  
(31) 202111465395.9  
(32) 03.12.2021  
(33) China
- 
- (51) C07K 14/705  
C12N 15/12  
C12N 15/861  
C12N 5/10  
(11) 2030101  
(47) 27.06.2023  
(22) 10.12.2021  
(54) OPTOGENETIC BONE MORPHOGENETIC PROTEIN RECEPTOR (OPTOBMPR) SYSTEM AND CONSTRUCTION METHOD AND USE THEREOF  
(73) Chinese PLA General Hospital  
(72) Cuiping Zhang  
Wenzhi Hu  
Kui Ma  
Xiaobing Fu  
(74) ir. W.J.J.M. Kempes
- 
- (51) C09C 1/50  
(11) 2033169  
(47) 26.06.2023  
(22) 28.09.2022  
(54) METHODS OF PRODUCING CARBON BLACKS FROM LOW-YIELDING FEEDSTOCKS AND PRODUCTS MADE FROM SAME  
(73) Cabot Corporation  
(72) David M. Matheu  
Frederick H. Rumpf  
William M. Porteous  
Theis F. Clarke  
David S. Crocker  
Akshay Gopan  
Geoffrey D. Moeser  
Thomas E. McElwain  
(74) ir. H.A. Witmans c.s.  
(31) 63/323,341  
63/250,423  
(32) 24.03.2022  
30.09.2021  
(33) United States of America  
United States of America
- 
- (51) C10G 25/02  
B01D 15/36  
(11) 2030092  
(47) 26.06.2023  
(22) 09.12.2021  
(54) METHOD OF ISOLATION OF ARN ACIDS FROM NAPHTHENATE DEPOSITS  
(73) UNIVERSIDADE FEDERAL DO ESPÍRITO SANTO - UFES  
PETRÓLEO BRASILEIRO S/A - PETROBRÁS  
(72) Valdemar Lacerda Júnior  
Eliane Valéria De Barros  
Álvaro Cunha Neto  
Wanderson Romão  
Paulo Roberto Figueiras  
Eustáquio Vinícius Ribeiro De Castro  
Luiz Silvino Chinelatto Júnior  
Juliana Navarro Bertelli  
Rogério Mesquita De Carvalho  
Cristina Maria Dos Santos Sad  
(74) ir. A. Blokland c.s.  
(31) 10 2020 025105 8  
(32) 09.12.2020  
(33) Brazil
- 
- (51) C11D 3/04  
C11D 3/16  
C11D 17/00  
C11D 1/00  
(11) 2030174  
(47) 28.06.2023  
(22) 17.12.2021  
(54) Micro-emulsie voor het reinigen van oppervlakken  
(73) LouwersHanique B.V.  
(72) Paul Peeters  
John Willebrordus Theodorus van Rutten  
(74) ir. A. Blokland c.s.
- 
- (51) C12N 1/00  
A21D 2/08  
A21D 2/36  
(11) 2030023  
(47) 21.06.2023  
(22) 03.12.2021  
(54) BREAD ADDITIVE AND PREPARATION METHOD AND APPLICATION THEREOF  
(73) GuangXi Academy Of Agricultural Sciences  
(72) Ying Wang  
Mingjuan Li  
Linyan Wei  
Xiangrong You  
Yayuan Zhang  
Kui Zhou  
Ping Wei  
Zhanwen Huang  
(74) ir. W.J.J.M. Kempes
- 
- (51) C12Q 1/6844  
C12Q 1/689  
(11) 2032665  
(47) 22.06.2023  
(22) 02.08.2022  
(54) METHOD FOR DETECTING LISTERIA MONOCYTOGENES IN CHEESE  
(73) HEFEI UNIVERSITY OF TECHNOLOGY  
(72) Yingwang Ye  
Na Ling  
Yang Li  
Yizhong Shen  
Danfeng Zhang  
(74) dr. T. Wittop Koning PhD  
(31) 202111570670.3  
(32) 21.12.2021  
(33) China



- (51) C12Q 1/70  
C12Q 1/6804  
G01N 33/53
- (11) 2033238  
(47) 21.06.2023  
(22) 05.10.2022
- (54) TEST CARD, TEST PRIMER  
COMPOSITION AND GICA-RT-LAMP  
KIT FOR PLANTAGO ASIATICA  
MOSAIC VIRUS
- (73) NORTHWEST INSTITUTE OF ECO-  
ENVIRONMENT AND RESOURCES,  
CHINESE ACADEMY OF SCIENCES
- (72) Yubao Zhang  
Zhihong Guo  
Zhongkui Xie  
Yang Qiu  
Guo Yang  
Yajun Wang  
Xuesi Su
- (74) ir. J.C. Volmer c.s.
- (31) 2021113243425  
(32) 09.11.2021  
(33) China
- 
- (51) C12Q 1/70  
C12Q 1/6851  
C12Q 1/6862  
C12Q 1/6876
- (11) 2029623  
(47) 28.06.2023  
(22) 03.11.2021
- (54) PROBE COMPOSITION FOR  
DETECTING HBV-cccDNA,  
APPLICATION AND DETECTION  
METHOD THEREOF
- (73) Jun Wang  
(72) Jun Wang  
(74) dr. ir. G.J.C. Verdijck c.s.
- 
- (51) C12Q 1/70  
G01N 33/543  
C12Q 1/6804  
C07K 16/08
- (11) 2033239  
(47) 26.06.2023  
(22) 05.10.2022
- (54) TEST KIT AND TEST METHOD FOR  
APPLE LATENT SPHERICAL VIRUS
- (73) NORTHWEST INSTITUTE OF ECO-  
ENVIRONMENT AND RESOURCES,  
CHINESE ACADEMY OF SCIENCES
- (72) Zhongkui Xie  
Ruoyu Wang  
Yajun Wang  
Yuhui He  
Yubao Zhang  
Weijie Jin
- (74) ir. J.C. Volmer c.s.
- (31) 2021113296259  
(32) 09.11.2021  
(33) China
- 
- (51) C21C 5/52  
C21C 7/00  
F27B 3/04  
F27B 3/08
- (11) 2030140  
(47) 27.06.2023  
(22) 15.12.2021
- (54) FERROALLOY SMELTING PROCESS
- (73) Frederik Petrus Greyling  
(72) Frederik Petrus Greyling  
(74) ir. J.C. Volmer c.s.
- 
- (51) C22C 30/00  
C23C 24/10
- (11) 2030063  
(47) 22.06.2023  
(22) 07.12.2021
- (54) HIGH-ENTROPY ALLOY COATING  
LAYER AND PREPARATION METHOD  
THEREOF
- (73) Kunming University of Science and  
Technology
- (72) Jingzhou Liu  
Hongxi Liu  
Yingnan Di  
Jianquan Lin  
Xuanhong Hao
- (74) ir. M.B. Plaggenborg
- 
- (51) C22F 3/02
- (11) 2030132  
(47) 27.06.2023  
(22) 14.12.2021
- (54) METHOD FOR IMPROVING HIGH-  
TEMPERATURE MECHANICAL  
PROPERTY OF Ni3Al ALLOY
- (73) Shanghai University  
(72) Zhongming Ren  
Shijun Wu  
Xin Liu  
Li Yin  
Sansan Shuai  
Jiang Wang
- (74) ir. W.J.J.M. Kempes
- 
- (51) C25B 9/77  
C25B 1/04  
C25B 9/67  
C25B 9/65  
C25B 9/75  
C25B 11/04
- (11) 2030134  
(47) 27.06.2023  
(22) 14.12.2021
- (54) Bipolar plate for an electrolytic stack
- (73) Prodrive Technologies Innovation  
Services B.V.
- (72) Sybren Hugo Onno Zwetsloot  
Tim Mauritz Scholle
- (74) ir. M. van der Velden
- 
- (51) C25D 5/08  
C25D 7/06  
C25D 17/02  
H01L 31/00
- (11) 2030054  
(47) 22.06.2023  
(22) 07.12.2021
- (54) Inrichting en werkwijze voor het  
elektrolytisch behandelen van substraten.
- (73) Meco Equipment Engineers B.V.  
(72) Augustinus Cornelis Maria van de Ven  
Patrick Wesley de Visser  
Arjan Hovestad
- (74) ir. A. Blokland c.s.
- 
- (51) E01H 1/08
- (11) 2030142  
(47) 27.06.2023  
(22) 15.12.2021
- (54) Cleaning machine with suction power  
control
- (73) RAVO B.V.  
(72) Rob Prins  
(74) drs. P.A. van Essen c.s.
- 
- (51) E01H 1/08  
E01H 1/05
- (11) 2030143  
(47) 27.06.2023  
(22) 15.12.2021
- (54) Cleaning machine with improved curb  
follow system
- (73) RAVO B.V.  
(72) Rob Prins  
(74) drs. P.A. van Essen c.s.
- 
- (51) E02D 7/18  
A01G 13/10  
A01M 29/30  
E02D 13/10  
E02D 13/02
- (11) 2030080  
(47) 22.06.2023  
(22) 08.12.2021
- (54) DEVICE AND METHOD FOR VERTICAL  
POSITIONING A PROTECTIVE GRID IN  
AN EARTH BODY
- (73) B. Minekus Zuidland B.V  
(72) Jan Cees Wolters  
(74) ir. J.C. Volmer c.s.
- 
- (51) E04B 2/00
- (11) 2030035  
(47) 21.06.2023  
(22) 03.12.2021
- (54) A KIND OF ASSEMBLED SHEAR  
WALL FOR FRAME SHEAR WALL  
STRUCTURE
- (73) Fuzhou University  
Fujian Huahang Construction Group  
Co.,Ltd.
- (72) Jian Zhao  
Shaofei Jiang  
You Zheng  
Zhanpeng Liu
- (74) ir. M.B. Plaggenborg
- 
- (51) E04D 13/152  
E04D 13/143
- (11) 2030177  
(47) 28.06.2023  
(22) 17.12.2021
- (54) Roof trim set, building comprising said  
roof trim set and method for ventilating a  
cladded wall
- (73) Gerrit Albert van Spijker  
(72) Gerrit Albert van Spijker  
(74) ir. F.A. Geurts c.s.
- 
- (51) E05B 17/06
- (11) 2030047  
(47) 22.06.2023  
(22) 06.12.2021
- (54) Een aftekenmal
- (73) Velro Tools B.V.  
(72) Jan Lamberts  
Justus Johannes Gerritsen
- (74) ir. H.A. Witmans c.s.
- 
- (51) E05D 3/12  
E05D 5/02  
E05D 3/06

E05D 11/06	F15B 11/17	F16M 11/20
(11) 2032004	E02F 9/22	(11) 2030060
(47) 22.06.2023	(11) 2030114	(47) 22.06.2023
(22) 27.05.2022	(47) 27.06.2023	(22) 07.12.2021
(54) HINGE FOR CONNECTING A HATCH TO A CARGO SPACE OF A ROAD BOUND TRANSPORT VEHICLE	(22) 13.12.2021	(54) A CARRIER DEVICE FOR CARRYING AN OBJECT, SUCH AS A LAMP
(73) A. van Tilburg Beheer B.V.	(54) A system comprising differential hydraulic cylinders and a hydraulic machine comprising the system	(73) Fortunatus Johannes de Haas
(72) Adrianus Antonius Johannes Maes	(73) Lepotech B.V.	(72) Fortunatus Johannes de Haas
(74) dr. ir. G.J.C. Verdijck c.s.	(72) Johannes Petrus Franciscus Lepoutre	(74) ir. W.J.J.M. Kempes
(51) E06B 7/16	(74) ir. A. Blokland c.s.	(51) F22D 5/18
E06B 3/50	(51) F16C 1/26	F22D 5/32
(11) 2030137	F16G 13/16	F22D 1/50
(47) 27.06.2023	H02G 3/04	F22D 11/02
(22) 15.12.2021	H02G 11/00	(11) 2033329
(54) Hefschuifdeur met demontabel vast vleugeldeel	(11) 2030151	(47) 27.06.2023
(73) Smits Gemert BV	(47) 28.06.2023	(22) 17.10.2022
(72) Paul van Tongeren	(22) 16.12.2021	(54) SYSTEM AND METHOD FOR SWITCHING STEAM SOURCE OF STEAM-DRIVEN FEED WATER PUMP ADAPTED TO DEEP PEAK REGULATION
Cornelis Amtonius Franciscus Fivie	(54) Guide for a bendable connecting means, such as a cable or a wiring	(73) Xi'an Xire Boiler Environmental Protection Engineering Co., Ltd.
Andreas Johannes van Dommelen	(73) Lentolin B.V.	(72) Zengqiang Tan
(74) ir. G.J.M. Verhees	(72) Gerrit Jan Lammers	Jiaquan Yue
(51) F03D 3/06	Roeland Hendrik Gerard Nales	Jiefeng Yin
F03D 13/20	(74) dr. ir. G.J.C. Verdijck c.s.	Lei An
F03D 80/00	(51) F16C 19/28	Chenfeng Lv
(11) 2030038	F16C 32/06	Guoping Niu
(47) 21.06.2023	B23K 20/12	Haifeng Xiao
(22) 03.12.2021	(11) 2033158	Peng Bai
(54) FLOATING VERTICAL-AXIS WIND TURBINE	(47) 21.06.2023	Haitao Wang
(73) Shaanxi Kerlimar Engineers Co., Ltd.	(22) 27.09.2022	Linquan Jia
(72) Ming Sun	(54) HYDROSTATIC BEARING INERTIA FRICTION WELDING MACHINE MAIN SHAFT SYSTEM STRUCTURE	(74) ir. M.B. Plaggenborg
(74) ir. M.B. Plaggenborg	(73) Harbin Welding Institute Limited Company	(31) 202210870979.2
(51) F03D 13/10	(72) Qi Wang	(32) 22.07.2022
B25B 29/02	Haifeng Yang	(33) China
F03D 13/20	Jun Zhou	(51) F24D 11/02
F03D 80/50	Yushan Zhao	A62C 35/58
B23P 19/06	Chunbo Zhang	(11) 2030053
(11) 1044234	Yanquan Wu	(47) 22.06.2023
(47) 26.06.2023	Wu Liang	(22) 07.12.2021
(22) 09.12.2021	Yunlei Li	(54) Heat transfer system
(54) SELF-CENTERING MACHINE FOR MANIPULATING NUT AND BOLT ASSEMBLIES	Rui Li	(73) Sprinkler Energy B.V.
(73) IntoMechanics B.V.	Feng Qin	(72) Ruben Udo de Bruin
(72) Martin Kristelijn	Hanlin Yan	Ate Atsma
(74) drs. R.M. Matthezing	Wenhan Zhang	(74) ir. H.A. Witmans c.s.
(51) F04B 53/00	Yue Lin	(51) F24F 5/00
F04C 29/06	(74) ir. W.J.J.M. Kempes	F24F 11/46
(11) 2033390	(31) 202111253680.4	F24F 11/64
(47) 28.06.2023	(32) 27.10.2021	F24F 11/65
(22) 25.10.2022	(33) China	F24F 11/67
(54) NOISE SUPPRESSION STRUCTURE FOR REFRIGERATION COMPRESSOR AND ITS APPLICATION METHOD	(51) F16M 11/04	(11) 2032724
(73) Zhejiang Brilliant Refrigeration Equipment Co., Ltd	F16M 11/08	(47) 21.06.2023
(72) Yongda Li	F16M 11/20	(22) 10.08.2022
Xin Liang	F16M 13/02	(54) COLD AND HOT WATER MACHINE AND PROCESSOR THEREOF, AND OPERATION CONTROL METHOD
Jiaqin Li	(11) 2030059	(73) Zhejiang Zhongguang Electrical Appliance Shares Co., Ltd
Youfa Yu	(47) 22.06.2023	(72) Xiaojun Yuan
(74) dr. T. Wittop Koning PhD	(22) 07.12.2021	Jianjun Jiang
(31) 202210805170.1	(54) A CARRIER DEVICE FOR CARRYING AN OBJECT, SUCH AS A COMPUTER DISPLAY	Yongjun Ling
(32) 08.07.2022	(73) R-GO TOOLS B.V.	Weiping Wang
(33) China	(72) Fortunatus Johannes de Haas	(74) ir. M.B. Plaggenborg
(51) F15B 21/14	(74) ir. W.J.J.M. Kempes	(31) 202111135902.2
F15B 7/00	(51) F16M 11/04	(32) 27.09.2021
	F16M 11/08	(33) China
	F16M 13/02	

(51) F27B 1/00	(33) United States of America	(74) ir. M.B. Plaggenborg
F27B 1/08	(51) G01C 21/36	(51) G01N 25/00
F27B 1/16	G08G 1/14	G01N 1/34
F27B 9/14	(11) 1044226	G01N 27/62
F27D 11/12	(47) 22.06.2023	G01N 5/00
C21B 13/02	(22) 07.12.2021	G01N 30/02
F27B 9/06	(54) Systeem voor het geven van advies voor	G01N 31/12
F27D 17/00	het parkeren van een voertuig, in het	(11) 2030062
(11) 2030051	bijzonder een zonnevoertuig	(47) 22.06.2023
(47) 22.06.2023	(73) Naima Marzouk	(22) 07.12.2021
(22) 07.12.2021	(72) Naima Marzouk	(54) EXPERIMENTAL SYSTEM
(54) Down-draft co-current reduction furnace	(51) G01N 3/32	FOR STUDYING GENERATION
(DCR Furnace)	(11) 2030593	OF HYDROGEN SULFIDE BY
(73) Pronovation B.V.	(47) 26.06.2023	THERMOCHEMICAL REDUCTION
(72) Wiebe Feije Pronker	(22) 18.01.2022	REACTION OF SULFATE IN THERMAL
(74) ir. J.C. Volmer c.s.	(54) FATIGUE TEST DEVICE FOR ELASTIC	RECOVERY OF HEAVY OIL
(51) F28G 3/16	SLING	(73) China University of Petroleum (East
(11) 2030105	(73) Southwest Jiaotong University	China)
(47) 27.06.2023	(72) Jidong Liu	(72) Riyi Lin
(22) 10.12.2021	Ru'nan Liang	Xinwei Wang
(54) Combustion oven heat exchanger	Jiao Chen	Weibo Zheng
cleaner	Weirong Chen	Xiuxia Zhang
(73) DERC Waterjetting B.V.	Feng Han	Ye Jiang
(72) Aart Cornelis den Hollander	Junying Cheng	Zhengda Yang
(74) ir. J.C. Volmer c.s.	Jiqin Wu	(74) ir. M.B. Plaggenborg
(51) F41H 5/08	(74) ir. W.J.J.M. Kempes	(51) G01N 30/06
(11) 2030122	(51) G01N 17/02	G01N 30/72
(47) 27.06.2023	(11) 2030136	(11) 2030036
(22) 13.12.2021	(47) 27.06.2023	(47) 21.06.2023
(54) Ballistic shield	(22) 15.12.2021	(22) 03.12.2021
(73) Pointman Armor Concepts B.V.	(54) Device and method for measuring a	(54) METHOD FOR TRACING THE
(72) Abraham Alexander Frederic Oostvogel	conduit in a submerged or subterraneous	GEOGRAPHICAL ORIGIN OF POTATO
(74) ir. A.R. Aalbers	environment	BASED ON MINERAL ELEMENTS AND
(51) G01B 9/02003	(73) iSensPro NV	STABLE ISOTOPES
G02B 6/24	(72) Yves Marie-Louis Gabriël Desmet	(73) Inner Mongolia Academy of Agricultural
H04B 10/70	(74) dr. ir. G.J.C. Verdijck c.s.	and Animal Husbandry Sciences
(11) 2030077	(51) G01N 21/00	(72) Huanchun Li
(47) 22.06.2023	A01J 5/013	Yao Zhang
(22) 08.12.2021	(11) 2030112	Xinxin Zhang
(54) METHOD AND SYSTEM FOR	(47) 27.06.2023	Fujin Zhang
MATCHING FREQUENCIES	(22) 13.12.2021	Guanghua Liu
OF LASERS IN A QUANTUM	(54) Melksysteem met bemonstering en	Taiyin Dong
COMMUNICATION SYSTEM	analyse	Boyang Kang
(73) Technische Universiteit Delft	(73) Lely Patent N.V.	Na Sha
(72) Joshua Alexander Slater	(72) Johannes Adriaan Dronkert	Xiuping Li
Thomas Middelburg	Frans Jacob de Graaf	Ying Feng
Remon Ciaran Berrevoets	Leendert de Borst	Jing Nie
(74) dr. ir. G.J.C. Verdijck c.s.	(74) ir. M.J.F.M. Corten	(74) ir. M.B. Plaggenborg
(51) G01C 21/34	(51) G01N 21/00	(51) G01N 33/24
G01C 21/20	A01J 5/013	(11) 2032155
G08G 1/005	(11) 2030155	(47) 27.06.2023
G08G 1/01	(47) 28.06.2023	(22) 13.06.2022
G08G 1/00	(22) 16.12.2021	(54) ECOLOGICAL ASSESSMENT METHOD
H04W 4/02	(54) Milking system with analysis unit	FOR REMEDIATION EFFECT ON
G06Q 10/047	(73) Lely Patent N.V.	HEAVY METAL CONTAMINATED SOIL
B66B 1/24	(72) Peter Michael Gavin	(73) Institute of Agricultural Resources and
B66B 1/46	Darby Anne McChesney	Environment, Guangdong Academy of
(11) 2029880	(74) ir. M.J.F.M. Corten	Agricultural Sciences
(47) 26.06.2023	(51) G01N 23/046	(72) Yanhong Wang
(22) 23.11.2021	(11) 2030070	Qi Li
(54) PEDESTRIAN TRAFFIC MANAGEMENT	(47) 22.06.2023	Shaoying Ai
(73) Intel Corporation	(22) 07.12.2021	Yichun Li
(72) Michael Paulitsch	(54) TRANSMISSION IMAGING DETECTION	Mingdeng Tang
Ralf Graefe	DEVICE AND ITS COMPUTED	Linfeng Li
Norbert Stoeffler	TOMOGRAPHY IMAGING SYSTEM	Weifang Hu
(74) dr. A. Krebs	(73) Zheng Fang	(74) ir. M.B. Plaggenborg
(31) 17/131,900	(72) Zheng Fang	(31) 202111539876.X
(32) 23.12.2020		(32) 15.12.2021

(33) China	(54) PATCH ON INTERPOSER ARCHITECTURE FOR LOW COST OPTICAL CO-PACKAGING	(47) 21.06.2023
(51) G01N 33/53		(22) 09.11.2021
G01N 33/68		(54) EFFICIENT RESOURCE ALLOCATION FOR SERVICE LEVEL COMPLIANCE
(11) 2030135	(73) Intel Corporation	(73) Intel Corporation
(47) 27.06.2023	(72) Nitin Deshpande	(72) Mihai-Daniel Dodan
(22) 14.12.2021	Omkar Karhade	Michael Kishinevsky
(54) AUTOIMMUNE HEPATITIS BIOMARKERS	Ravindranath V. Mahajan	Rameshkumar Illikkal
(73) Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)	Xiaogian Li	Andrew J. Herdrich
(72) Tamas Pongracz	(74) dr. A. Krebs	Wenhui Shu
Maaik Biewenga	(31) 17/131,621	Andrzej Kuriata
Manfred Wuhrer	(32) 22.12.2020	Anna Drewek-Ossowicka
Noortje de Haan	(33) United States of America	Dharmisha Ketankumar Doshi
Bart van Hoek	(51) G05B 17/02	Jinshi Chen
(74) dr. A. Krebs	G05B 13/04	Bin Li
(51) G01N 33/533	(11) 2030129	Slawomir Putyrski
(11) 2030305	(47) 27.06.2023	Teck Joo Goh
(47) 27.06.2023	(22) 14.12.2021	Long Cui
(22) 27.12.2021	(54) CONTROL STRATEGY FOR EXTERNAL CONSENSUS OF MULTIPLE VALVE SYSTEMS BASED ON EQUIVALENT INPUT DISTURBANCE	Daniel Richins
(54) Labeling Method for Improving Signal Intensity of Time-Resolved Fluorescence and Application Thereof	(73) Central South University	Qian Li
(73) ZHEJIANG GONGSHANG UNIVERSITY	(72) Yanning Dou	Pietro Mercati
(72) Renyao Jin	Qi Lei	(74) dr. A. Krebs
Jiacheng Yang	(74) ir. W.J.J.M. Kempes	(31) PCT/CN2020/138138
Xiaoxia Liu	(51) G05D 1/02	(32) 21.12.2020
Yanling Song	A01B 79/00	(33) China
Lu Zhai	(11) 2030091	(51) G06F 17/11
(74) drs. C.M.A. Quintelier	(47) 26.06.2023	G06F 17/16
(31) 2021107151182	(22) 09.12.2021	G06T 7/73
(32) 26.06.2021	(54) A METHOD FOR CULTIVATING A PIECE OF SLOPING FARMLAND, AND A METHOD AND SYSTEM FOR GENERATING A CULTIVATION PLAN	G01S 5/16
(33) China	(73) AGXEED HOLDING B.V.	(11) 2030069
(51) G01N 33/574	(72) Joris Jan Hiddema	(47) 22.06.2023
(11) 2030124	Laurentius Hubertus Margaretha Schmitz	(22) 07.12.2021
(47) 27.06.2023	(74) ir. P.J.P. Janssen	(54) PERSPECTIVE-FOUR-LINE METHOD ASSISTED BY VISIBLE LIGHT COMMUNICATION IN INDOOR POSITIONING
(22) 13.12.2021	(51) G06F 1/18	(73) Beijing University of Posts and Telecommunications
(54) DIAGNOSIS OF COLORECTAL CANCER	G11C 5/04	(72) Yang Yang
(73) Academisch Ziekenhuis Leiden (h.o.d.n. LUMC)	(11) 2031894	Lin Bai
(72) Manfred Wuhrer	(47) 21.06.2023	Chunyan Feng
Katarina Madunic	(22) 17.05.2022	Congcong Wang
Gerritje S.M. Lageveen-Kammeijer	(54) DIMM SOCKET WITH SEATING FLOOR TO MEET BOTH LONGER LENGTH EDGE CONTACTS AND SHORTER LENGTH EDGE CONTACTS	Caili Guo
(74) dr. A. Krebs	(73) Intel Corporation	(74) ir. M.B. Plaggenborg
(51) G01R 19/00	(72) George Vergis	(51) G06T 7/269
G01R 15/20	Xiang Li	(11) 2029657
(11) 2030017	(74) dr. A. Krebs	(47) 21.06.2023
(47) 21.06.2023	(31) 17/351,556	(22) 06.11.2021
(22) 03.12.2021	(32) 18.06.2021	(54) ACCURATE OPTICAL FLOW ESTIMATION IN STEREO PAIRS OF EQUIRECTANGULAR IMAGES
(54) DIRECT CURRENT SENSOR CIRCUIT CAPABLE OF OUTPUTTING ANY BIAS CURRENT	(33) United States of America	(73) Intel Corporation
(73) CHENG DU XINXIN SHENFENG ELECTRONICS SCI. &TECH.CO.,LTD.	(51) G06F 3/0354	(72) Oscar Nestares
(72) Wei Wang	G06F 3/041	Niloufar Pourian
Guanyu Pu	(11) 2030117	(74) dr. A. Krebs
Yong Wang	(47) 27.06.2023	(31) 17/125,467
Gang Du	(22) 13.12.2021	(32) 17.12.2020
Ming Wang	(54) ELECTROSTATIC PERIPHERAL COMMUNICATION FOR TOUCH-SENSITIVE DISPLAY	(33) United States of America
Cuilan Zhao	(73) Microsoft Technology Licensing, LLC	(51) G07F 11/42
(74) ir. W.J.J.M. Kempes	(72) Gilad Pundak	G07F 11/62
(51) G02B 6/42	(74) ir. J.C. Volmer c.s.	G07F 7/06
H01L 23/367	(51) G06F 9/50	G07F 11/00
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(47) 21.06.2023		(11) 2030104
(22) 17.11.2021		(47) 27.06.2023
		(22) 10.12.2021
		(54) DEVICE FOR ISSUEING OR TAKING IN PRODUCTS

- (73) Le Marche beheer B.V.  
(72) Sander Ewout Sciarone  
Franciscus Vermunt  
(74) dr. ir. G.J.C. Verdijck c.s.  

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G11C 11/54  
G06N 3/063  
(11) 2030081  
(47) 22.06.2023  
(22) 08.12.2021  
(54) WRITEBACK CONTROL FOR READ-  
DESTRUCTIVE COMPUTER MEMORY  
(73) Microsoft Technology Licensing, LLC  
(72) Ori Laslo  
Gilad Kirshenboim  
(74) ir. J.C. Volmer c.s.  

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H01L 21/683  
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(47) 26.06.2023  
(22) 09.12.2021  
(54) Method and device for bonding of  
substrates with electromagnetic  
irradiation  
(73) SUSS MicroTec Lithography GmbH  
(72) Raoul Kirner  
Sebastian Tussing  
(74) ir. J.C. Volmer c.s.  

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H01L 21/683  
(11) 2030087  
(47) 26.06.2023  
(22) 09.12.2021  
(54) Method and device for temperature-  
controlled bonding of substrates with  
electromagnetic irradiation  
(73) SUSS MicroTec Lithography GmbH  
(72) Raoul Kirner  
Katrin Fischer  
Sebastian Tussing  
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H01L 25/065  
(11) 2029629  
(47) 22.06.2023  
(22) 04.11.2021  
(54) HYBRID MANUFACTURING FOR  
INTEGRATED CIRCUIT DEVICES AND  
ASSEMBLIES  
(73) Intel Corporation  
(72) Abhishek A. Sharma  
Wilfred Gomes  
Mauro J. Kobrinsky  
Doug B. Ingerly  
(74) dr. A. Krebs  
(31) 17/114,537  
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(11) 2029546  
(47) 22.06.2023  
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WITH DIRECT CHIP ATTACH TO  
CIRCUIT BOARDS  
(73) Intel Corporation  
(72) Wilfred Gomes  
Kevin Fischer  
Sanka Ganesan  
Mauro J. Kobrinsky  
Doug B. Ingerly  
Abhishek A. Sharma  
(74) dr. A. Krebs  
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(47) 27.06.2023  
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cells.  
(73) Atlas Technologies Holding B.V.  
(72) Hendrik N Slingerland  
(74) ir. J.C. Volmer c.s.  

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(11) 2030089  
(47) 26.06.2023  
(22) 09.12.2021  
(54) Integration of inductors on silicon-based  
solar cells  
(73) Technische Universiteit Delft  
(72) David Auke van Nijen  
Patrizio Manganiello  
Olindo Isabella  
(74) drs. P.A. van Essen c.s.  

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(11) 2030074  
(47) 22.06.2023  
(22) 08.12.2021  
(54) ELECTRODE WITH EMBEDDED PILLAR  
STRUCTURE  
(73) LionVolt B.V.  
(72) Lucas Augustinus Haverkate  
Mahmoud Ameen  
Sandeep Unnikrishnan  
(74) ir. H.A. Witmans c.s.  

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(47) 28.06.2023  
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(54) Ship autonomous network  
communication equipment
- (73) Fishery Machinery and Instrument  
Research Institute of Chinese Academy  
of Fishery Sciences  
(72) Yao Lin  
Xinying Zhao  
Jianyu Li  
Shu Zhang  
Na Li  
(74) dr. T. Wittop Koning PhD  

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(54) ANTENNA  
(73) THALES NEDERLAND B.V.  
(72) Robert Fennis  
Gertjan Henri Christiaan van Werkhoven  
(74) mr. ir. J. van Breda c.s.  
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B63B 35/04  
(11) 2030145  
(47) 27.06.2023  
(22) 15.12.2021  
(54) Cable laying vessel  
(73) Baggermaatschappij Boskalis B.V.  
(72) Maarten Alexander Beerens  
Emiel van Weenen  
Roy Anne Boekraad  
Louis Nieuwenhuis  
(74) ir. F.A. Geurts c.s.  

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B60L 58/19  
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(47) 22.06.2023  
(22) 08.12.2021  
(54) ELECTRIC POWER SYSTEM FOR A  
COMMERCIAL VEHICLE  
(73) DAF Trucks N.V.  
(72) Johannes Theodorus Bernard Anna  
Kessels  
(74) ir. H.A. Witmans c.s.  

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H04L 9/08  
G06F 1/04  
H04L 7/00  
H04B 10/70  
(11) 2030076  
(47) 22.06.2023  
(22) 08.12.2021  
(54) METHOD AND SYSTEM FOR  
DETERMINING A ROUND-TRIP  
LATENCY OF A COMMUNICATION  
CHANNEL  
(73) Technische Universiteit Delft  
(72) Joshua Alexander Slater  
Thomas Middelburg  
Remon Ciaran Berrevoets  
(74) dr. ir. G.J.C. Verdijck c.s.  

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(11) 2030075  
(47) 22.06.2023  
(22) 08.12.2021  
(54) METHOD AND SYSTEM FOR  
DETERMINING HALF-WAVE VOLTAGE  
OF INTENSITY MODULATOR  
(73) Technische Universiteit Delft  
(72) Joshua Alexander Slater  
Thomas Middelburg  
Remon Ciaran Berrevoets  
(74) dr. ir. G.J.C. Verdijck c.s.
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H04J 3/06  
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(47) 22.06.2023  
(22) 17.08.2022  
(54) ATTACKER LOCALIZATION BASED ON  
TRACKING ANOMALY PROPAGATION  
IN TIME-SENSITIVE NETWORKING  
(73) Intel Corporation  
(72) Manoj Sastry  
Marcio Juliato  
Javier Perez-Ramirez  
Vuk Lesi  
Dave Cavalcanti  
Christopher Gutierrez  
Qian Wang  
Shabbir Ahmed  
(74) dr. A. Krebs  
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**NP3**

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

**EP1**

**Vertaalde conclusies van Europese octrooiaanvragen.**

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



## EP2

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

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(22) 19.05.2020	AN AGRICULTURAL IMPLEMENT AND	(21) EP20215166.8
(54) PLOUGH WITH COMBINED	CONTROL SYSTEM FOR SUCH	(47) 28.06.2023
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(54) AGRICULTURAL IMPLEMENT AND	Lübben, Jan-Eike	LOCATING A TRAILER WITH RESPECT
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(72) KREUPL, Walter	(33) Germany	(72) ROVATI, Luigi
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(73) CLAAS Selbstfahrende Erntemaschinen GmbH	(22) 04.03.2021	(72) OKABE, Yoshihiro
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(54) A HEADER FOR ATTACHMENT TO A SELF-PROPELLED HARVESTING MACHINE OR FOR A CHOPPER TYPE MACHINE	(54) AGRICULTURAL MACHINE	B09B 3/00
(73) Baum Machine, Inc	(73) PÖTTINGER Landtechnik GmbH	C05F 3/00
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(73) Carnegie Mellon University	(31) 102017126316	United States of America
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USING THIS OVERTUBE	(72) NIEMINEN, Heikki	Al Omran, Sara
(73) Manos, Thierry	SALMI, Ari	Sultan, Ebraheem
Bastid, Christophe	KONTIOLA, Antti	(72) Al Omran, Sara
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A61B 3/10	SINCLAIR, Matthew A.	VAN DEN HEUVEL, Teun
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A61B 6/00	A61B 90/00	KUSTER, Markus
G01R 33/56	G01N 35/00	ALLISON, Garry
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Japan	(72) Morra, Carlos	B25J 15/02
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(22) 13.08.2019	(22) 02.08.2018	(54) END OF ARM TOOLS FOR SOFT
(54) A STORAGE DEVICE WITH CELLS	(54) METHOD FOR BUILDING AND/	ROBOTIC SYSTEMS
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(73) Wheelfloat, Inc.	MACHINE	(72) WOMERSLEY, Thomas
(72) SNOOK, Jonathan, D.	(73) Schneider Electric Industries SAS	CURHAN, Jeffrey
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(73) Tecna S.p.A.	HE, Jun Hu	(54) DEVICE AND METHOD FOR
(72) BERGAMI, Damiano	(51) B25J 15/00	HANDLING SPECTACLE LENSES AND
GUBELLINI, Fabio	B25J 15/02	METHOD FOR THE MANUFACTURE
(31) 201900006843	(11) EP4021689	OF SPECTACLE LENSES
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(33) Italy	(47) 28.06.2023	(72) KURZ, Norbert
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(72) GUBELLINI, Fabio	BÄCHLER, Andreas Michael	BERNOULLI CHUCK AND A VACUUM
LOLLI, Andrea	(31) 102020118136	CHUCK
BERGAMI, Damiano	102019123241	(73) Broetje-Automation GmbH
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(47) 28.06.2023	(73) Robooptic Systems GmbH	EMBEDDED ANCHOR BOLTS
(87) IT2020050001	(72) FRÖSCHL, Hermann	(73) Margaritelli Ferroviaria S.p.A.
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B31B 110/35	FORMING A FIBERBOARD	(73) Husqvarna AB
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(32) 14.09.2018	(54) METHOD, ROBOT ISLAND AND	(73) Fibre Reinforced Thermoplastics B.V.
(33) Japan	APPARATUS FOR MANUFACTURING	(72) PRINS, Rinus
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	(73) iMFLUX Inc.	IMMONEN, Kirsi
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B67C 3/22	(72) MEYER, Thomas	(72) FALZONI, Alessandro
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B29C 39/00	(73) Concept Laser GmbH	B29C 65/80
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FULLER, Anthony M.  
CUMBIE, Michael W.  
LINN, Scott A.  
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ARNOLD, Christian  
KEUPP, Joachim  
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WELTEN, Petrus, Leonardus, Johannes  
LEBOUILLE, Tom, Tilly, Norbert  
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(72) SCHIESTL, Angelo  
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(73) IDEMIA France  
(72) BERTHE, Benoît  
AZUELOS, Paul  
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HAVING A PLASMONIC EFFECT,	(87) JP2014082491	(73) Coventry University
MANUFACTURE OF SUCH A	18.06.2015	(72) BLUNDELL, Mike
COMPONENT, AND SECURE	(22) 09.12.2014	(31) 201616543
OBJECT PROVIDED WITH SUCH A	(54) BALLPOINT PEN	201613121
COMPONENT	(73) Mitsubishi Pencil Company, Limited	(32) 29.09.2016
(73) SURYS	(72) FUKUMOTO, Takeo	29.07.2016
(72) BLAIZE, Sylvain	(31) 2013253946	(33) United Kingdom
ES-SAIDI, Soukaina	2013253945	United Kingdom
LE CUNFF, Loïc	(32) 09.12.2013	(51) B60C 1/00
MACIAS, Demetrio	09.12.2013	C08K 3/04
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G07D 7/12	SURFACE MODIFICATION FOR	(54) RUBBER COMPOSITION AND TIRE
G07D 7/02	MARKING AN ELECTRONIC DEVICE	(73) SUMITOMO RUBBER INDUSTRIES,
(11) EP3787907	(73) Apple Inc.	LTD.
(21) EP19721278.0	(72) RUSSELL-CLARKE, Peter N.	(72) MABUCHI, Takahiro
(47) 28.06.2023	NASHNER, Michael S.	NAKAHATA, Shoko
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AND METHOD FOR PRODUCING	11.03.2019	B60C 11/03
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(72) PLACHETKA, Ulrich	(33) United States of America	(21) EP22176946.6
WAHLBRINK, Thorsten	United States of America	(47) 28.06.2023
SZACILOWSKI, Konrad	United States of America	(22) 02.06.2022
BARNETT, Julian	United States of America	(54) TYRE
ADAMATZKY, Andrew	(51) B60B 9/26	(73) Sumitomo Rubber Industries, Ltd.
KONKOLI, Zoran	B60B 9/28	(72) TSUZUKI, Yuka
BOLTEN, Jens	B60B 9/24	ISHIGAKI, Yuichi
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(47) 28.06.2023	(54) GANGWAY FOR A MULTI-CAR	(73) Hanon Systems
(22) 26.08.2021	VEHICLE AND METHOD FOR	(72) RYU, Jae Chun
(54) MOTORCYCLE TIRE	ATTACHING A BELLOWS OF A	HAN, Joong Man
(73) Sumitomo Rubber Industries, Ltd.	GANGWAY TO AN ENDFRAME OF A	HAN, Young Hum
(72) Kazuya, SHIRAKAMI	GANGWAY	PARK, Tae Yong
(31) 2020151950	(73) Dellner Couplers AB	KIM, Yun Jin
(32) 10.09.2020	(72) ALTON, Daniel	KIM, Chul Hee
(33) Japan	FWLER, Jason	AHN, Yong Nam
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B60C 15/024	B60G 17/08	18.01.2016
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(72) TAKEMORI, Ryohei	RECORDING MEDIUM	(47) 28.06.2023
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B60C 25/138	25.11.2021	B60H 1/00
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(21) EP21198615.3	(54) HIGH PERFORMANCE SPORTS CAR	B60R 13/02
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(72) CORGHI, Giulio	(51) B60G 21/055	(21) EP20725446.7
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B60C 25/138	(21) EP17917696.1	(54) PASSENGER VEHICLE WITH A
(11) EP3828014	(47) 28.06.2023	DEVICE FOR HEATING AT LEAST ONE
(21) EP20209684.8	(87) JP2017025777	STEP OF AN ENTRY REGION OF THE
(47) 28.06.2023	17.01.2019	VEHICLE
(22) 25.11.2020	(22) 14.07.2017	(73) Siemens Mobility GmbH
(54) DEVICE FOR MOUNTING AND	(54) VEHICLE STABILIZER, AND SHOT	(72) HILDEBRANDT, Alexander
REMOVING A TIRE ON AND FROM A	PEENING JIG WITH STABILIZERS	KASAP, Irfan
RIM	(73) NHK Spring Co., Ltd.	SCHMITZ, Markus
(73) CEMB S.p.A.	(72) KOSHITA, Yoshihiro	(31) 102019207923
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(33) Germany	(72) YAGURA Seiji	(87) EP2019050451
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B29C 45/14	(51) B60K 35/00	METHODS OF USING SAME
B32B 17/10	B60K 37/00	(73) Motherson Innovations Company Limited
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(47) 28.06.2023	(21) EP19832660.5	RÖTZER, Ilka
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(54) ENCAPSULATED GLASS FRAME	(87) EP2019086297	CARETTA, Gianluca
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METHODS FOR FORMING SAME	(22) 19.12.2019	BUCHET, Yann
(73) AGC Flat Glass North America, Inc.	(54) INSTRUMENT PANEL FOR A MOTOR	WEINGÄRTNER, Torsten
AGC Automotive Americas R & D, Inc.	VEHICLE, AND MOTOR VEHICLE	PATEL, Mukesh
(72) Lahnala, David W	(73) VOLKSWAGEN	NUGRAHA, Thomas Agung
Jerrim, Joel	AKTIENGESELLSCHAFT	ZHAO, Yijun
Bennett, Daniel	(72) BOUGHANMI, Nesrine	WIECZOREK, Romeo
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(33) United States of America	WILSDORF, Simone	GÖTTLICHER, Stefanie
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(31) 202018104786 U	(22) 07.09.2020	VEHICLE
(32) 20.08.2018	(54) VEHICLE PART WITH USER	(73) LG Electronics Inc.
(33) Germany	INTERFACE	(72) LEE, Seunggyu
(51) B60K 1/04	(73) Compagnie Plastic Omnium SE	KWEON, Ohjin
B60L 50/60	(72) KHAYAT, Issam	LEE, Kyoungil
B66F 9/075	SCHOTT, Vivien	(31) 20170015571
B60L 50/64	(31) 1910401	201662300273 P
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B60R 16/04	B60K 37/06	United States of America
H01M 50/209	H03K 17/96	(51) B60L 1/00
H01M 50/242	G06F 3/041	B60L 53/22
H01M 50/249	(11) EP3812192	B60L 58/20
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(54) ELECTRICALLY POWERED	BRUNARD, Christophe	H02J 7/00
COMMERCIAL VEHICLE HAVING A	TWORK, Michael	H02J 50/10
BATTERY STRUCTURE	KETELS, Cedric	H02J 50/40
(73) Volvo Truck Corporation	REA, Julien	(11) EP3971019
(72) BOUCHUT, Didier	AGARWAL, Gaurav	(21) EP20867467.1

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(54) CHARGING CIRCUIT HAVING TWO	(31) 2016236033	(47) 28.06.2023
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(73) Huawei Digital Power Technologies Co.,	(33) Japan	29.06.2017
Ltd.	(51) B60L 15/20	(22) 05.12.2016
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WANG, Tianyu	F16H 61/04	(73) Delta Kogyo Co., Ltd.
ZHANG, Wei	B60W 20/00	(72) IKEDA, Yuji
CUI, Zhaoxue	B60W 20/10	MOMOSE, Takeshi
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(32) 09.03.2020	B60W 10/04	(33) Japan
23.09.2019	B60W 10/11	(51) B60N 2/28
(33) China	B60W 10/06	(11) EP3756944
China	B60W 10/08	(21) EP20184639.1
(51) B60L 3/00	B60L 50/16	(47) 28.06.2023
H02J 7/34	F16H 61/12	(22) 09.09.2016
B60L 50/40	F16H 59/14	(54) CHILD SEAT FOR MOUNTING ON A
(11) EP3797047	F16H 63/50	SEAT OF AN AUTOMOTIVE VEHICLE
(21) EP19727456.6	(11) EP3950405	(73) CYBEX GmbH
(47) 28.06.2023	(21) EP20784558.7	(72) POS, Martin
(87) GB2019051395	(47) 28.06.2023	(31) 202015104792 U
28.11.2019	(87) JP2020013871	(32) 09.09.2015
(22) 21.05.2019	08.10.2020	(33) Germany
(54) SUPERCAPACITOR ARRANGEMENT	(22) 26.03.2020	(51) B60N 2/28
FOR ENHANCING ELECTRONIC	(54) HYBRID DRIVE DEVICE	B60N 2/00
POWER PERFORMANCE OF	(73) AISIN CORPORATION	(11) EP3825173
WATERBORNE VEHICLES	(72) KAWATSU, Yutaro	(21) EP20208548.6
(73) BAE SYSTEMS plc	(31) 2019068908	(47) 28.06.2023
(72) GRAYSON, Christopher, Charles	(32) 29.03.2019	(22) 19.11.2020
TRIVEDI, Maneeshi	(33) Japan	(54) CHILD SAFETY SEAT ALARM SYSTEM
(31) 201808300	(51) B60L 53/22	(73) Bambino Prezioso Switzerland AG
(32) 21.05.2018	B60L 3/00	(72) LI, Ruyi
(33) United Kingdom	B60L 1/00	LIU, Zu Jian
(51) B60L 3/10	(11) EP3974241	(31) 201911166523
B60L 15/20	(21) EP21199176.5	(32) 25.11.2019
B60L 15/06	(47) 28.06.2023	(33) China
B60L 15/08	(22) 27.09.2021	(51) B60N 2/28
H02K 21/12	(54) CONTROL DEVICE FOR MOBILE	B60N 2/90
H02K 11/38	BODY, CONTROL METHOD	B60N 2/58
H02K 11/33	THEREFOR, AND MOBILE BODY	(11) EP3998174
H02K 11/215	(73) Honda Motor Co., Ltd.	(21) EP20860283.9
(11) EP3863880	Fuji Electric Co., Ltd.	(47) 28.06.2023
(21) EP19790298.4	(72) NAKAHARA, Tomoki	(87) JP2020030902
(47) 28.06.2023	SATO, Masahiko	11.03.2021
(87) IB2019058686	YOKOYAMA, Shinichi	(22) 14.08.2020
16.04.2020	YANO, Mitsuteru	(54) SEAT
(22) 11.10.2019	(31) 2020161852	(73) Delta Kogyo Co., Ltd.
(54) A TRACTION CONTROL SYSTEM	(32) 28.09.2020	(72) ONJI, Atsushi
(73) Protean Electric Limited	(33) Japan	KATO, Mizuki
(72) FORD, Richard	(51) B60N 2/02	MATSUURA, Masanao
(31) 201816595	B60N 2/42	(31) 2019160704
(32) 11.10.2018	B60N 2/427	(32) 03.09.2019
(33) United Kingdom	B60N 2/58	(33) Japan
(51) B60L 15/20	(11) EP3632737	(51) B60N 2/30
(11) EP3549811	(21) EP19200730.0	B60N 2/24
(21) EP17879222.2	(47) 28.06.2023	B60N 2/42
(47) 28.06.2023	(22) 01.10.2019	B60N 2/427
(87) JP2017043230	(54) VEHICLE SEAT STRUCTURE	B60N 2/70
14.06.2018	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	B60N 2/22
(22) 01.12.2017	(72) SEKIZUKA, Makoto	(11) EP3986747
(54) CONTROL DEVICE FOR ELECTRIC	(31) 2018189314	(21) EP20734806.1
VEHICLE, CONTROL SYSTEM FOR	(32) 04.10.2018	(47) 28.06.2023
ELECTRIC VEHICLE, AND CONTROL	(33) Japan	(87) IB2020055069
METHOD FOR ELECTRIC VEHICLE	(51) B60N 2/12	30.12.2020

(22) 28.05.2020	(51) B60Q 1/068	(21) EP19834442.6
(54) SEAT FOR A VEHICLE	F21S 41/39	(47) 28.06.2023
(73) NEXTER Systems	F21V 15/04	(87) KR2019008163
(72) REYMOND, Angèle	F21S 45/10	16.01.2020
DRESSY, Jean-Claude	(11) EP3626533	(22) 03.07.2019
VON EUW, Mathias	(21) EP18382681.7	(54) METHOD AND SYSTEM OF
(31) 1906662	(47) 28.06.2023	DISPLAYING MULTIMEDIA CONTENT
(32) 24.06.2019	(22) 24.09.2018	ON GLASS WINDOW OF VEHICLE
(33) France	(54) LIGHTING DEVICE FOR VEHICLE	(73) Samsung Electronics Co., Ltd.
(51) B60N 2/64	WITH VIBRATION ABSORBER	(72) JOSHI, Milind
B60N 2/22	(73) Valeo Iluminacion	KUMAR, Santosh
B60N 2/02	(72) MONTES MARTINEZ, Luis	KUMAR, Ravi
(11) EP4015301	TEBA, Daniel	SINGH, Arun Kumar
(21) EP21210575.3	TORRES, Tomas	(31) 201811025770
(47) 28.06.2023	MORENO, Carlos	20190006134
(22) 25.11.2021	COLMENERO, Pedro	(32) 10.07.2018
(54) VEHICLE SEAT WITH BACKREST	(51) B60Q 1/46	17.01.2019
(73) GRAMMER AG	B60Q 1/38	(33) India
(72) Krivenkov, Konstantin	B60Q 1/52	Korea (Republic)
Haller, Erwin	B60Q 1/44	(51) B60R 9/045
(31) 102020134209	(11) EP3434520	B60R 9/055
(32) 18.12.2020	(21) EP18193390.4	(11) EP3954583
(33) Germany	(47) 28.06.2023	(21) EP21000209.3
(51) B60N 2/879	(22) 27.01.2016	(47) 28.06.2023
(11) EP3727931	(54) ENHANCED COMMUNICATION	(22) 30.07.2021
(21) EP18837016.7	SYSTEM FOR VEHICLE HAZARD	(54) ROOF BOX
(47) 28.06.2023	LIGHTS	(73) Rakoczi, Viktor
(87) US2018065986	(73) Ess-Help, Inc.	(72) Rakoczi, Viktor
27.06.2019	(72) TORKELSON, Jonathan	(31) 102020004864
(22) 17.12.2018	TUCKER, Daniel, Anthony	(32) 10.08.2020
(54) HEADREST SPEAKERS WITH	COBB, John, Zachariah	(33) Germany
ASYMMETRIC RADIATION PATTERNS	MAURYA, Devender, Nath	(51) B60R 11/02
(73) Bose Corporation	KIMBERLIN, Denver	H04R 1/02
(72) OSWALD, Charles	(31) 201514933881	H04R 1/28
BARKSDALE, Tobe Z.	201514875883	(11) EP3789248
USMANI, Muhammad Haris	(32) 05.11.2015	(21) EP20192720.9
(31) 201715850670	06.10.2015	(47) 28.06.2023
(32) 21.12.2017	(33) United States of America	(22) 25.08.2020
(33) United States of America	United States of America	(54) VIBRATION OUTPUT APPARATUS
(51) B60P 3/24	(51) B60R 1/00	(73) Clarion Co., Ltd.
B65D 90/52	(11) EP3967554	(72) KONO, Kenji
B65D 88/12	(21) EP21195481.3	(31) 2019156877
B60K 15/077	(47) 28.06.2023	(32) 29.08.2019
B60P 3/22	(22) 08.09.2021	(33) Japan
(11) EP3458307	(54) VEHICULAR DISPLAY SYSTEM	(51) B60R 16/02
(21) EP17798409.3	(73) MAZDA MOTOR CORPORATION	B62D 1/04
(47) 28.06.2023	(72) Sugawara, Daichi	G06F 3/01
(87) AU2017050470	Hori, Erika	G06F 3/0354
23.11.2017	Murata, Koichi	(11) EP3202623
(22) 19.05.2017	Matsuba, Yoshiaki	(21) EP14903053.8
(54) FLUID LOAD STABILISER	Ohtsubo, Tomonori	(47) 28.06.2023
(73) Carpenter, Bradley John	(31) 2020154280	(87) JP2014005067
(72) Carpenter, Bradley John	(32) 15.09.2020	07.04.2016
(31) 2016901893	(33) Japan	(22) 03.10.2014
(32) 20.05.2016	(51) B60R 1/00	(54) VEHICLE AND STEERING UNIT
(33) Australia	B60K 35/00	(73) Kyocera Corporation
(51) B60P 7/15	B60W 50/14	(72) MURAKAMI, Kazuhiro
B60P 1/64	B60W 40/02	(51) B60R 16/02
B60P 7/00	H04N 7/18	H02J 7/00
(11) EP3708426	H04N 5/77	H02J 1/00
(21) EP19161811.5	H04N 21/431	(11) EP3950435
(47) 28.06.2023	H04N 21/414	(21) EP20822498.0
(22) 11.03.2019	H04N 21/472	(47) 28.06.2023
(54) LOAD SECURING BAR AND	B60K 37/06	(87) JP2020011617
ASSOCIATED METHOD	B60R 11/04	17.12.2020
(73) Fliegl, Helmut	G07C 5/00	(22) 17.03.2020
(72) Fliegl, Helmut	B60R 11/00	(54) ONBOARD NETWORK SYSTEM
(11) EP3781442	(11) EP3781442	(73) MAZDA MOTOR CORPORATION



(72) YAMASHITA, Tetsuhiro KUROKAWA, Yoshimasa	B60R 21/2334	(31) 102019207794
(31) 2019110620	(11) EP3996957	(32) 28.05.2019
(32) 13.06.2019	(21) EP20735044.8	(33) Germany
(33) Japan	(47) 28.06.2023	
(51) B60R 16/03	(87) US2020033787	(51) B60T 17/08
B60R 16/033	14.01.2021	(11) EP3972880
B60N 2/00	(22) 20.05.2020	(21) EP20746895.0
(11) EP3712016	(54) SURROUNDING AIRBAG ASSEMBLY	(47) 28.06.2023
(21) EP18894429.2	(73) Autoliv ASP, Inc.	(87) EP2020069877
(47) 28.06.2023	(72) HERZENSTIEL, Frank Joseph	04.02.2021
(87) KR2018010583	ALSEDAWI, Mohamad Youssef	(22) 14.07.2020
04.07.2019	WOLD, Dana Joseph	(54) EMERGENCY TRIGGERING DEVICE FOR A VEHICLE BRAKE
(22) 11.09.2018	CHOI, Changsoo	(73) Siemens Mobility Austria GmbH
(54) SYSTEM AND METHOD FOR CHARGING MOBILE DEVICE IN VEHICLE	(31) 201916509338	(72) GRITSCH, Alexander
(73) Samsung Electronics Co., Ltd.	(32) 11.07.2019	(31) 506882019
(72) MOON, Bo-seok	(33) United States of America	(32) 30.07.2019
LEE, Dong-chang	(51) B60T 8/171	(33) Austria
LEE, Chong-min	B60T 8/172	
(31) 20170181511	(11) EP3964408	(51) B60W 10/06
(32) 27.12.2017	(21) EP20194710.8	B60W 10/08
(33) Korea (Republic)	(47) 28.06.2023	B60W 10/26
(51) B60R 19/34	(22) 04.09.2020	B60W 20/11
B60R 19/24	(54) METHOD AND EQUIPMENT FOR	B60W 50/00
B60R 19/26	ESTIMATING A BRAKING FACTOR	(11) EP3835155
F16F 7/12	FOR A BRAKING SYSTEM FOR A	(21) EP20167934.7
F16F 15/121	VEHICLE	(47) 28.06.2023
(11) EP2921354	(73) KNORR-BREMSE Systeme für	(22) 03.04.2020
(21) EP13855601.4	Nutzfahrzeuge GmbH	(54) HYBRID VEHICLE AND METHOD OF CONTROLLING THE SAME
(47) 28.06.2023	(72) MUSTAPHA, Adnan	(73) HYUNDAI MOTOR COMPANY
(87) JP2013080780	HECKER, Falk	Kia Corporation
22.05.2014	SAWODNY, Oliver	(72) LEE, Heeyun
(22) 14.11.2013	GÖLTZ, Simon	(31) 20190166232
(54) SET OF A LOAD-RECEIVING MEMBER OF A VEHICLE COMPRISING A FRAME MEMBER OF THE VEHICLE AND A SHOCK-ABSORBING MECHANISM DISPOSED THEREBETWEEN	SAUER, Roman	(32) 13.12.2019
(73) Toyota Shatai Kabushiki Kaisha	GÜCKER, Ulrich	(33) Korea (Republic)
(72) MIURA Toshihisa	(51) B60T 13/66	
NISHIMURA Takuya	B60T 8/1766	(51) B60W 10/18
(31) 2012253209	B60T 8/26	F02D 11/10
(32) 19.11.2012	E02F 9/20	B60W 30/08
(33) Japan	E02F 9/22	B60W 10/20
(51) B60R 19/34	(11) EP3504091	B60W 10/04
F16F 7/00	(21) EP16914326.0	(11) EP3313702
F16F 7/12	(47) 28.06.2023	(21) EP16814900.3
B60R 19/03	(87) SE2016050790	(47) 28.06.2023
B60R 19/18	01.03.2018	(87) US2016032993
(11) EP3517369	(22) 24.08.2016	29.12.2016
(21) EP17863937.3	(54) METHOD AND CONTROL SYSTEM	(22) 18.05.2016
(47) 28.06.2023	FOR CONTROLLING BRAKE FORCES	(54) COGNITIVE DRIVER ASSIST WITH VARIABLE ASSISTANCE FOR AUTOMATED VEHICLES
(87) JP2017038391	OF A WORKING MACHINE	(73) Aptiv Technologies Limited
03.05.2018	(73) Volvo Construction Equipment AB	(72) LAMBERMONT, Serge
(22) 24.10.2017	(72) TRUONG, Benny	ABSMEIER, John, P.
(54) IMPACT-ABSORBING STRUCTURE FOR VEHICLE	VIGHOLM, Bo	LAUR, Michael, H.
(73) Mazda Motor Corporation	SELVAM, Kausihan	(31) 201514748551
(72) KAWAMURA, Chikara	CARLDÉN, Erik	(32) 24.06.2015
(31) 2016211405	EKVALL, Andreas	(33) United States of America
(32) 28.10.2016	(51) B60T 13/66	
(33) Japan	B60T 17/22	(51) B60W 20/40
(51) B60R 21/231	(11) EP3956190	B60W 10/10
B60R 21/233	(21) EP20728399.5	B60W 10/11
B60R 21/237	(47) 28.06.2023	B60K 6/543
B60R 21/201	(87) EP2020062357	B60K 6/48
	03.12.2020	B60K 6/387
	(22) 05.05.2020	B60W 10/02
	(54) BRAKE SHUT-OFF ARRANGEMENT AND METHOD FOR OPERATING A BRAKE SHUT-OFF ARRANGEMENT	B60W 20/50
	(73) Siemens Mobility GmbH	B60W 30/18
	(72) LICHTERFELD, Jens Peter	B60W 50/032
	WIESAND, Manfred	B60W 50/02
		B60W 50/029
		B60W 50/035

B60L 15/20	MAFRICA, Stefano	(32) 03.06.2020
B60L 50/16	(31) 1857639	(33) Germany
F16H 61/12	(32) 24.08.2018	(51) B61L 15/00
B60K 6/547	(33) France	B61D 19/02
B60W 10/06	(51) B60W 50/10	B61D 25/00
B60W 10/08	G05D 1/00	B61D 41/00
(11) EP3800098	B60W 50/00	B61L 25/02
(21) EP19855404.0	(11) EP3107790	(11) EP3868630
(47) 28.06.2023	(21) EP15705970.0	(21) EP21157758.0
(87) JP2019032789	(47) 28.06.2023	(47) 28.06.2023
05.03.2020	(87) EP2015053280	(22) 18.02.2021
(22) 22.08.2019	27.08.2015	(54) INFORMATION SYSTEM IN A RAILWAY
(54) CONTROL DEVICE FOR VEHICLE	(22) 17.02.2015	VEHICLE, ASSOCIATED METHOD
DRIVE DEVICE	(54) AUTONOMOUS DRIVING SYSTEM	FOR OPENING SIDE DOOR AND
(73) AISIN CORPORATION	AND METHOD FOR SAME	COMPUTER PROGRAM PRODUCT
(72) HOSOI, Nobuhiro	(73) Jaguar Land Rover Limited	(73) SpeedInnov
SUGIMOTO, Daiki	(72) DIAS, Eduardo	(72) BERNARD, Alexandre
(31) 2018162779	(31) 201402875	(31) 2001580
(32) 31.08.2018	(32) 18.02.2014	(32) 18.02.2020
(33) Japan	(33) United Kingdom	(33) France
(51) B60W 30/16	(51) B61D 35/00	(51) B62D 1/183
B60W 30/14	B64D 11/02	(11) EP3873789
(11) EP3604066	(11) EP3784547	(21) EP19795549.5
(21) EP18849895.0	(21) EP19727885.6	(47) 28.06.2023
(47) 28.06.2023	(47) 28.06.2023	(87) EP2019079463
(87) CN2018102650	(87) EP2019062808	07.05.2020
07.03.2019	26.12.2019	(22) 29.10.2019
(22) 28.08.2018	(22) 17.05.2019	(54) STEERING SHAFT FOR A STEERING
(54) METHOD, APPARATUS AND SYSTEM	(54) RAIL VEHICLE WITH A WATER	COLUMN OF A MOTOR VEHICLE AND
FOR CONTROLLING VEHICLE-	SUPPLY SYSTEM	STEERING COLUMN FOR A MOTOR
FOLLOWING SPEED AND STORAGE	(73) Siemens Mobility GmbH	VEHICLE
MEDIUM	(72) SCHNEIDER, Christian	(73) thyssenkrupp Presta AG
(73) Tencent Technology (Shenzhen)	(31) 102018209743	thyssenkrupp AG
Company Limited	(32) 18.06.2018	(72) HEIGENHAUSER, Benedikt
(72) WANG, Bin	(33) Germany	GEISELBERGER, Thomas
(31) 201710749150	(51) B61D 37/00	(31) 102018127098
(32) 28.08.2017	B60N 3/00	(32) 30.10.2018
(33) China	(11) EP3906182	(33) Germany
(51) B60W 30/18	(21) EP20704447.0	(51) B62D 5/00
B60W 60/00	(47) 28.06.2023	B62D 1/16
(11) EP3808624	(87) EP2020052587	(11) EP4017784
(21) EP19204084.8	10.09.2020	(21) EP20754732.4
(47) 28.06.2023	(22) 03.02.2020	(47) 28.06.2023
(22) 18.10.2019	(54) DEVICE FOR CONNECTING A	(87) EP2020072455
(54) A VEHICLE CONTROL SYSTEM,	TABLETOP TO A SIDE WALL OF A RAIL	25.02.2021
METHOD AND A COMPUTER	VEHICLE, AND RAIL VEHICLE	(22) 11.08.2020
PROGRAM PRODUCT FOR ENERGY	(73) Siemens Mobility GmbH	(54) ADJUSTABLE STEERING COLUMN
EFFICIENT DRIVING	(72) SCHMIDT, Gerhard	FOR A MOTOR VEHICLE WITH
(73) Ningbo Geely Automobile Research &	(31) 102019202832	ROTATION LIMITATION
Development Co. Ltd.	(32) 01.03.2019	(73) thyssenkrupp Presta AG
(72) SHARIATZADEH, Pardis	(33) Germany	thyssenkrupp AG
JOHANSSON, Jonathan	(51) B61G 7/10	(72) REITER, Gerald
(51) B60W 30/18	(11) EP3919342	(31) 102019122321
G08G 1/0967	(21) EP21172029.7	(32) 20.08.2019
B60W 50/14	(47) 28.06.2023	(33) Germany
(11) EP3840996	(22) 04.05.2021	(51) B62D 15/02
(21) EP19753133.8	(54) VEHICLE BODY, RAILWAY VEHICLE,	B62D 5/04
(47) 28.06.2023	METHOD FOR COUPLING TWO CAR	(11) EP3628570
(87) FR2019051620	BODIES	(21) EP19199539.8
27.02.2020	(73) Siemens Mobility GmbH	(47) 28.06.2023
(22) 01.07.2019	(72) Günther, René	(22) 25.09.2019
(54) DRIVING ASSISTANCE FOR A	Langert, Wolfgang	(54) ROTATION DETECTION DEVICE
VEHICLE WHEN PASSING A TRAFFIC	Helms, Olaf	(73) Renesas Electronics Corporation
LIGHT, BY DISPLAYING ITS CURRENT	Schramm, Norbert	JTEKT CORPORATION
AND FUTURE COLOURS	Arras, Burkhard	(72) ODA, Masato
(73) PSA Automobiles SA	Engelen, Holger	OKI, Masashi
(72) POGNON, Jean Luc	Trapp, Alexander	KOZUKA, Kenichi
BERTRAND, Emmanuel	(31) 102020206891	KAWAHARA, Tadashi

(31) 2018184159	B66D 3/00	B62J 9/23
(32) 28.09.2018	H02S 40/10	B62J 9/26
(33) Japan	(11) EP3974298	B62J 9/27
(51) B62D 21/14	(21) EP21198403.4	B62J 1/12
B62D 65/18	(47) 28.06.2023	B62J 1/14
(11) EP3781460	(22) 23.09.2021	B62J 1/28
(21) EP19723008.9	(54) MACHINE CAPABLE OF MOVING ON	B62J 7/04
(47) 28.06.2023	INCLINED PLANE AND USE METHOD	B62J 17/00
(87) EP2019057442	THEREFOR	(11) EP3781467
24.10.2019	(73) Zhejiang University	(21) EP19705323.4
(22) 25.03.2019	Hangzhou Fuya Science and Technology	(47) 28.06.2023
(54) DRIVERLESS GROUND VEHICLE	Co., Ltd.	(87) EP2019053377
FOR CONVEYING LOADS SUCH	(72) ZHAO, Jianghong	24.10.2019
AS VEHICLE BODIES OR/AND	LI, Xin	(22) 12.02.2019
VEHICLE PARTS, AND METHOD FOR	QIN, Jie	(54) LUGGAGE-RECEIVING DEVICE FOR A
TRANSPORTING SUCH A LOAD	(31) 202011006700	MOTORCYCLE
(73) Eisenmann GmbH	(32) 23.09.2020	(73) Bayerische Motoren Werke
(72) STOLZ, Uwe	(33) China	Aktiengesellschaft
(31) 102018109449	(51) B62H 5/04	(72) HOMOET, Bernd-Josef
(32) 19.04.2018	B62K 15/00	VETTER, Ingrid
(33) Germany	B62K 21/12	LEUCHTE, Patrick
(51) B62D 21/20	B62K 21/24	KREMER, Bernhard
B62D 63/06	(11) EP3724058	FUCHS, Sebastian
B62D 33/04	(21) EP18845465.6	(31) 102018205836
(11) EP3805074	(47) 28.06.2023	(32) 17.04.2018
(21) EP20201372.8	(87) FR2018000266	(33) Germany
(47) 28.06.2023	20.06.2019	(51) B62K 5/10
(22) 12.10.2020	(22) 10.12.2018	B62K 5/027
(54) MOVING FLOOR TRAILER WITH A	(54) FOR BICYCLE (OR CYCLE	B62K 5/05
SIDE WALL WHICH CAN BE OPENED	VEHICLES IN GENERAL), STEM	B62K 5/06
(73) Knapen Trailers B.V.	THAT CAN BE FOLDED Laterally	B62K 25/00
(72) Buijtels, Angelo Antonius Sebastiaan	INSTANTANEOUSLY ABOUT A	B62K 25/16
Gerardus	VERTICAL OR NEAR-VERTICAL	B60G 21/05
Van Lieshout, Joey Wilhelmus Gerardus	AXIS, AND ALLOWING STORAGE/	B60G 3/14
Bernardus	TRANSPORTATION/PARKING, AND	B62K 5/08
(31) 2024000	ALSO CONSTITUTING A POSSIBLE	B62K 5/00
(32) 11.10.2019	ANTI-THEFT SYSTEM	B62D 9/02
(33) Netherlands	(73) Savard, Franck Jean	(11) EP3771625
(51) B62D 25/20	(72) Savard, Franck Jean	(21) EP20188632.2
(11) EP3969355	(31) 1701296	(47) 28.06.2023
(21) EP20735014.1	(32) 11.12.2017	(22) 30.07.2020
(47) 28.06.2023	(33) France	(54) SADDLE TYPE VEHICLE
(87) FR2020000168	(51) B62J 1/12	(73) KAWASAKI MOTORS, LTD.
19.11.2020	B60L 50/60	(72) SHII, Hiroshi
(22) 12.05.2020	H01M 50/249	NAGASAKA, Kazuya
(54) SEALING BETWEEN A TUNNEL AND	B60L 50/64	INABA, Taichi
A CROSSBEAM CONSTITUTING AN	B60L 53/80	IWAMOTO, Taro
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BELLINI, Adriano	OKABE, Sadataka	THEFT DEVICE AND CONTROL
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(54) RECIRCULATING BALL SCREW	PRINCEN, Norman H.	(72) PEREZ, Roberto J.
ROTARY ACTUATOR	LIEBECK, Robert H.	WOLDEMARIAM, Beakal T.
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(72) BERROA GARCÍA, Javier	KREYE, Lisa Anne	WILLNER, Ralf
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ODPOWIEDZIALNOSCIA	(72) Mondini, Giovanni	(72) WABNIG, Erwin
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B65D 47/40	MCGARRAUGH, Geoffrey	(51) B65D 85/804
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POLYMER PRECURSOR, AND USE	COMPRISING SAME	HAYASHI Kenichi
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(54) USE OF A STORAGE UNIT FOR	TRAUTMANN, Michael	COMPONENT
COMPONENT CARRIER TROLLEYS	JAHN, Michael	(73) Vallourec Oil and Gas France
(73) Ebz Systec GmbH	(31) 102019201793	Nippon Steel Corporation
(72) STADLER, Rainer	(32) 12.02.2019	(72) MENCAGLIA, Xavier
(31) 102017107829	(33) Germany	DUFRENE, Corey
(32) 11.04.2017	(51) E06B 9/13	DOUCHI, Sadao
(33) Germany	A62C 2/10	SUGINO, Masaaki
(51) E05B 3/06	E06B 9/17	(31) 1662669
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(47) 28.06.2023	(54) ROLL-UP FIREPROOF CURTAIN	E21B 19/02
(87) EP2019083841	(73) FIMARC Zenon Malkowski	(11) EP4060161
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(54) DEVICE FOR FIXING A DOOR OR	(32) 27.02.2020	(22) 18.03.2021
WINDOW HANDLE	(33) Poland	(54) SWIVEL
(73) Franz Schneider Brakel GmbH + Co KG	(51) E06B 9/174	(73) BAUER Maschinen GmbH
(72) ZIMMERMANN, Sascha	(11) EP3872294	(72) BRAUN, Roland
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(51) E05F 5/06	(54) SLIDING BEARING FOR A ROLLER	(11) EP3921503
E05F 3/22	SHUTTER MOTOR	(21) EP20709036.6
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21.01.2021	(51) E06B 9/264	APPARATUS
(22) 13.07.2020	A01G 9/22	(73) Saudi Arabian Oil Company
(54) GUIDE RAIL ASSEMBLY FOR AN	G02B 26/08	(72) BONAVIDES, Clovis Satyro
OPENING LIMITER, OPENING	G02B 26/02	TORLOV, Vladislav
LIMITER HAVING SUCH A GUIDE	(11) EP3844365	(31) 201916270392
RAIL ASSEMBLY AND LEAF	(21) EP19782780.1	(32) 07.02.2019
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OPENING LIMITER	(87) NL2019050560	(51) E21B 17/10
(73) MACO Technologie GmbH	05.03.2020	E21B 37/02
(72) KONECZNY, Felix	(22) 30.08.2019	E21B 47/005
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(32) 12.07.2019	SLATS	E21B 37/00
(33) Germany	(73) Sunwaves B.V.	(11) EP3717739
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(54) OPERATING SYSTEM FOR A	E21B 17/07	WASHING AN UPPER COMPLETION
SECTIONAL DOOR	E21B 19/16	(73) Conocophillips Company
(73) Key Automation S.r.l.	(11) EP3907371	(72) WOIE, Rune
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(51) E05F 15/689	PROCESSING A SOIL	E04G 5/00
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(22) 24.10.2018	(11) EP3784874	CAPABILITIES
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(72) BREBNER, Paul John George	31.10.2019	(32) 12.06.2019
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(33) United Kingdom	(72) HANEFERD, Rasmus	(11) EP3452698
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(47) 28.06.2023	(33) United Kingdom	(54) TWO DIMENSIONAL RESERVOIR
(22) 14.08.2013	(51) E21B 33/12	PRESSURE ESTIMATION WITH
(54) MANAGED PRESSURE DRILLING	E21B 47/113	INTEGRATED STATIC BOTTOM HOLE
SYSTEM HAVING WELL CONTROL	G01N 27/12	PRESSURE SURVEY DATA AND
MODE	(11) EP3443200	SIMULATION MODELING
(73) Weatherford Technology Holdings, LLC	(21) EP17782904.1	(73) Saudi Arabian Oil Company
(72) GRAYSON, Michael Brian	(47) 28.06.2023	(72) AL-NUAIM, Sami A.
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United States of America	DOWNHOLE ARTICLE, AND RELATED	(51) E21B 47/10
(51) E21B 23/04	METHODS	E21B 47/06
E21B 47/10	(73) Baker Hughes Holdings LLC	E21B 47/12
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(21) EP17791133.6	VENTURA, Darryl, N.	(21) EP14909710.7
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(22) 09.10.2017	SCOTT, Thomas, Mcclain	(22) 31.12.2014
(54) DOWNHOLE TEST TOOL AND	WANG, Xiuli	(54) INTEGRATED MULTIPLE PARAMETER
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(73) Ardyne Holdings Limited	(32) 11.04.2016	LEAK DETECTION
(72) FAIRWEATHER, Alan	(33) United States of America	(73) Halliburton Energy Services, Inc.
TELFER, George	(51) E21B 37/00	(72) BONAVIDES, Clovis S.
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(33) United Kingdom	(87) US2017051743	C21D 1/26
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(51) E21B 29/02	(22) 15.09.2017	(11) EP3485144
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(21) EP17705692.6	(73) Bristol, Inc., D/B/A Remote Automation	18.01.2018
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(54) TOOL WITH PROPELLANT SECTIONS	(33) United States of America	(72) STANKUS, John, C.
(73) SPEX Corporate Holdings Ltd	(51) E21B 43/11	MA, Lumin
(72) MAHJOUB, Nadir	(11) EP3966425	FAULKNER, Dakota
OAG, Jamie	(21) EP19779132.0	(31) 201715645312
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(33) United States of America	COOLING PASSAGE CIRCUIT	VANE
United States of America	EXTENDING THROUGH BLADE, SEAL	(73) Raytheon Technologies Corporation
(51) F01D 3/00	AND CERAMIC VANE	(72) GENERALE, Adam P.
F01D 25/16	(73) Raytheon Technologies Corporation	MONGILLO, Dominic J.
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(73) General Electric Company	(11) EP3865663	(22) 28.11.2019
(72) JEONG, Younkoo	(21) EP21155748.3	(54) BLADE FOR A GAS TURBINE AND
ERTAS, Bugra Han	(47) 28.06.2023	ELECTRIC POWER PRODUCTION
HOFER, Douglas Carl	(22) 08.02.2021	PLANT COMPRISING SAID BLADE
(31) 201815993819	(54) EXTENDED ROOT REGION AND	(73) Ansaldo Energia Switzerland AG
(32) 31.05.2018	PLATFORM OVER-WRAP FOR A	(72) DIDION, Christoph
(33) United States of America	BLADE OF A GAS TURBINE ENGINE	HOFMANN, Willy Heinz
(51) F01D 5/02	(73) Raytheon Technologies Corporation	NAIK, Shailendra
F01D 5/04	(72) McCaffrey, Michael G.	(51) F01D 5/20
F04D 25/04	(31) 202016784431	(11) EP4039941
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(21) EP18165874.1	F04D 29/38	COOLING SYSTEM FOR A TURBINE
(47) 28.06.2023	F01D 9/04	BLADE, CORRESPONDING TURBINE
(22) 05.04.2018	(11) EP3553277	BLADE, TURBINE BLADE ASSEMBLY,
(54) TURBOCHARGER HAVING	(21) EP18751871.7	GAS TURBINE AND MANUFACTURING
COMPRESSOR PORTION WITH	(47) 28.06.2023	METHOD OF AN AIRFOIL
IMBALANCE CORRECTION REGION	(87) JP2018003440	(73) Doosan Enerbility Co., Ltd.
(73) Borgwarner Inc.	16.08.2018	(72) BRANDL, Herbert
(72) HARRIS, Thomas	(22) 01.02.2018	RATHMANN, Ulrich
EDMONDS, Paul	(54) AIRFOIL OF AXIAL FLOW MACHINE	KRUECKELS, Joerg
(31) 201715486451	(73) IHI Corporation	HOFFMANN, Willy
(32) 13.04.2017	(72) HAMABE Masaaki	(51) F01D 5/22
(33) United States of America	(31) 2017020578	F01D 5/26
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F01D 17/16	(33) Japan	F04D 29/32
F01D 15/10	(51) F01D 5/14	F04D 29/66
F01D 1/02	F02C 7/00	(11) EP3724455
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(22) 24.10.2017	LATTICE STRUCTURE	(72) JABLONSKI, Laurent
(54) A MULTI-STAGE AXIAL FLOW	(73) Raytheon Technologies Corporation	PERROLLAZ, Jean Marc, Claude
TURBINE ADAPTED TO OPERATE AT	(72) PROPHETER-HINCKLEY, Tracy A.	JOLY, Philippe, Gérard, Edmond
LOW STEAM TEMPERATURES	MONGILLO, Dominic J.	COMIN, François, Jean
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(72) DAVIES, Roger	201261746893 P	DOUGUET, Charles, Jean-Pierre
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F01D 9/06	(51) F01D 5/18	(11) EP3739168
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(73) Raytheon Technologies Corporation	(31) 201916686609	(31) 202016879802
(72) WHITNEY, Daniel J.	(32) 18.11.2019	(32) 21.05.2020
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BARKER, William M.	(51) F01D 11/00	(51) F01D 21/00
MAHONEY, Danielle	F16J 15/08	H01P 5/04
CLARK, Thomas E.	F16J 15/3288	(11) EP3401513
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(73) General Electric Company	(72) SILET, Benoit Guillaume	(32) 18.05.2016
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BARKER, William M.	(54) TIGHTNESS TEST EVALUATION MODULE FOR A VALVE AND ACTUATOR MONITORING SYSTEM	MILLER, Jonathan Logan
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		(73) FPT Motorenforschung AG
		(72) FESSLER, Harald

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F16H 57/04	(54) BUBBLE SEPARATOR, AND FLUID	F02C 7/18
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(72) Schneider, Bernhard	2019160119	SPOOL
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(22) 29.08.2019	SYSTEM	(73) Raytheon Technologies Corporation
(54) EXHAUST GAS PURIFICATION DEVICE	(73) Solar Turbines Incorporated	(72) ORTIZ, Jonathan
AND SHIP EQUIPPED WITH EXHAUST	(72) Ganesan, Sunder	FORCIER, Matthew P.
GAS PURIFICATION DEVICE	Yalonis, Colton	ACKERMANN, William K.
(73) MITSUBISHI HEAVY INDUSTRIES	Jaramillo, Jennifer	(31) 201715601499
ENGINE & TURBOCHARGER, LTD.	Dietrich, Ryan	(32) 22.05.2017
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ITO, Hitoshi	Covarrubias, Juan	(51) F02C 7/06
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IDE, Shintaro	Wochnowski, Peter	F02C 7/32
OTAKI, Akira	(31) 202117508847	(11) EP3907391
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(11) EP3705694	(51) F02B 67/04	(72) SIMONOTTI, Arnaud
(21) EP19207978.8	F16B 2/00	PIGOTT, Quentin Pierre Henri
(47) 28.06.2023	(11) EP3682098	(31) 2004575
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(54) METHOD FOR CHARGING COOLANT	(47) 28.06.2023	(33) France
IN COOLING SYSTEM FOR VEHICLE	(87) EP2018072592	(51) F02C 7/236
(73) HYUNDAI MOTOR COMPANY	21.03.2019	F02C 9/26
Kia Corporation	(22) 22.08.2018	(11) EP3744958
(72) LEE, Hyo-Jo	(54) HOLDER	(21) EP19211929.5
LEE, Yong-Gyu	(73) Robert Bosch GmbH	(47) 28.06.2023
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(31) 20190025742	(32) 13.09.2017	THRUST CONTROL MALFUNCTION
(32) 06.03.2019	(33) Germany	PROTECTION AND METHOD
(33) Korea (Republic)	(51) F02C 3/073	(73) Hamilton Sundstrand Corporation
(51) F01P 11/08	F02C 3/14	(72) SUSCA, Ryan
F16N 13/10	F02C 7/08	REUTER, Charles E.
B01D 19/00	F02K 3/068	(31) 201916428822
B04C 3/06	(11) EP3739184	(32) 31.05.2019
F16N 39/00	(21) EP20174487.7	(33) United States of America
F01P 11/02	(47) 28.06.2023	(51) F02C 7/266
B04C 5/081	(22) 13.05.2020	(11) EP3803083
B04C 5/14	(54) RECUPERATED CYCLE ENGINE	(21) EP19736418.5
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(22) 28.05.2019	Switzerland IP Holding GmbH	AIRCRAFT
(54) METHOD FOR MONITORING THE	(72) Hayden, Todd	(73) SAFRAN AIRCRAFT ENGINES
SPARK PLUGS OF A TURBOSHAFT	Murugesan, Ganesasubramanian	(72) RIOU, Georges, Jean, Xavier
ENGINE USING A VIBRATION	(31) 202041029648	GRUBER, Mathieu, Simon, Paul
MEASUREMENT	(32) 13.07.2020	GEA AGUILERA, Fernando
(73) SAFRAN AIRCRAFT ENGINES	(33) India	(31) 1851360
(72) DEMAISON, François, Maurice, Marcel	(51) F02G 5/02	(32) 16.02.2018
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(33) France	(11) EP3530924	F02K 1/82
(51) F02C 7/32	(21) EP19159512.3	(11) EP3708817
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F16H 1/28	(22) 26.02.2019	(47) 28.06.2023
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(21) EP19198900.3	AND TURBINE EXPANDER FOR THE	(54) GAS TURBINE EXHAUST NOZZLE
(47) 28.06.2023	SAME	INCORPORATING A CORE AIR
(22) 23.09.2019	(73) Borgwarner Inc.	FLOW TO EQUALIZE TEMPERATURE
(54) ENGINE FOR AN AIRCRAFT	(72) HUSCHER, Frederick Michael	DIFFERENTIAL WITHIN THE EXHAUST
(73) Rolls-Royce plc	(31) 201862635858 P	NOZZLE
(72) Harvey, Giles	(32) 27.02.2018	(73) Rohr, Inc.
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(33) United Kingdom	F02K 1/80	ATEN, Michael
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(73) Rolls-Royce plc	(72) CONETE, Eric	(22) 19.02.2015
(72) Loreti, Stefano	CARRERE, Benoit	(54) METHOD FOR REGULATING A
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(33) United Kingdom	(33) France	(72) RAPP, Holger
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(73) Pratt & Whitney Canada Corp.	(73) Rolls-Royce plc	F03D 80/30
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United States of America	B64C 11/18	COLLARD, Toby
United States of America	B64C 5/00	BRILLIANT, Nathan A
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F03D 17/00	VISELLI, Anthony, M.	(31) 202004952
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F03D 80/00	(22) 25.12.2017	COMPRESSOR
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(73) Kepco Engineering & Construction	(72) ZHANG, Ziping	F04B 49/06
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SRIVASTAVA, Manisha	LIEBMAN, Noah David	F04B 43/04
GUJJAR, Vineel Chandrakanth	(31) 202017082293	F04B 45/047
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(33) Japan Japan	(51) F04C 18/16 F04C 23/00 F04C 29/00 F01C 21/02	(73) L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE
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(33) United States of America United States of America United States of America United States of America	(54) FLOATING PUMP (73) ETEC International Inc (72) Thiriez, Emmanuel Thiriez, Gilbert	(51) F04D 19/00 F04D 29/058 F04D 29/66 G01M 1/16 F16C 32/04 G01M 1/30 H01F 41/02 F04D 27/02 H01F 13/00 (11) EP3550150 (21) EP19177167.4 (47) 28.06.2023 (22) 03.03.2015 (54) METHOD FOR BALANCING A ROTOR OF A VACUUM PUMP OR A ROTOR OF A ROTARY UNIT FOR A VACUUM PUMP (73) PFEIFFER VACUUM GMBH (72) RIPPL, Andreas
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(51) F15B 11/00	DEVICE	FOR PRODUCING AN ASSEMBLY
E02F 9/22	(73) Skyrex AB	(73) Profil Verbindungstechnik GmbH & Co.
F15B 11/02	(72) STRANDBERG, Michael	KG
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(54) MEMBER FOR GUIDING A MOBILE	BEARING	SATO Toshiki
ELEMENT IN OSCILLATION OR	(73) SAFRAN AIRCRAFT ENGINES	KANDA Yasuyuki
ROTATION	(72) QUESNEL, Valentin, Olivier, Jean-	NIIMI Tatsuya
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(54) PLANETARY GEAR FOR A	A SHAFT	(21) EP19764502.1
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(73) NSK Ltd.	(51) F16H 61/14	Hupp, Gregory Peter
(72) DAIKOKU Yuya	F16H 41/24	Chalk, David Jonathan
DOHI Nagao	F16D 3/14	Grimm, Lance Michael
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(22) 25.04.2018	OF AN ARMATURE OF AN ELECTRIC	SUCH A HYDRAULIC CONNECTING
(54) A NON-PRESSURE RELIEVING BALL	MOTOR, ELECTRIC MOTOR, AND	DEVICE
VALVE	PIPETTING SYSTEM FOR ASPIRING	(73) Robert Bosch GmbH
(73) Emerson Process Management (India)	AND DISPERSING PIPETTING LIQUID	(72) Englert, Nicolas
Private Limited	WITH SUCH ELECTRIC MOTOR	Arnold, Bernhard
(72) NIGHOT, Vikas Pandurang	(73) Hamilton Bonaduz AG	(31) 102020213042
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F16K 1/48	(11) EP3607232	MARC, Damien
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MANUFACTURING METHOD	HYDRAULIC LINES	F16L 21/08
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China	(21) EP18204220.0	AND OPTIONALLY SEALED
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(51) F16K 31/08	(22) 02.11.2018	MALE AND FEMALE CONSTRUCTION
F16K 37/00	(54) A TORQUE-RESISTING HOSE	PART
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H02K 41/03	(73) CNH Industrial Belgium NV	(72) UREVC, Janez
H02K 11/215	(72) OLIEUX, Jozef	HALILOVIC, Miroslav
G01D 5/20	<hr/>	MACEK, Andraz
B01L 3/02	(51) F16L 5/10	(31) 201800255
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JOINT	(72) BALLIKAYA, Ergül	(73) Gaztransport et Technigaz
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(72) KAWANISHI, Hidehito	(32) 07.06.2019	DELANOE, Sébastien
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(72) POLIDORI, Gianfranco	DAVIES, Joshua	(72) TAKEZAWA, Masahiro
CREMONINI, Maurizio	(31) 201916589062	(31) 2018021617
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(73) Danfoss Power Solutions II Technology	(11) EP4034797	MANIFOLDING PORTABLE
A/S	(21) EP20785810.1	CRYOGENIC CONTAINERS
(72) SCHMIDT, Juergen	(47) 28.06.2023	(73) Chart Inc.
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KUENSTEL, Christian	01.04.2021	(31) 201462091139 P
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(33) United Kingdom	LUBRICATION OF A COMPONENT FOR	(51) F17C 13/00
(51) F16L 55/07	AN AIRCRAFT TURBINE ENGINE	F17C 1/06
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F16T 1/45	(72) GEDIN, Patrice Jocelyn Francis	F17C 1/16
F24H 8/00	DOMBEK, Alexis Claude Michel	(11) EP3814674
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(87) US2019049360	SHI, Weipin	(54) APPARATUS AND METHOD FOR
19.03.2020	LIU, Juke	SENSING ICE THICKNESS IN AN ICE
(22) 03.09.2019	GAO, Baohua	MAKER
(54) TRANSPORT REFRIGERATION UNIT	XU, Guojing	(73) True Manufacturing Co., Inc.
USING ENGINE WASTE HEAT FOR	(31) 201811526269	(72) BROADBENT, John
DEFROSTING	(32) 13.12.2018	TRULASKE, Steven, L., Sr.
(73) Carrier Corporation	(33) China	(31) 201361758080 P
(72) SUN, Jian	(51) F25B 49/02	(32) 29.01.2013
FENG, Yinshan	F24F 11/86	(33) United States of America
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(11) EP3455563	(21) EP19896103.9	(21) EP21185799.0
(21) EP17723862.3	(47) 28.06.2023	(47) 28.06.2023
(47) 28.06.2023	(87) CN2019106826	(22) 15.07.2021
(87) US2017030981	18.06.2020	(54) SYSTEM FOR TOUCHLESSLY
16.11.2017	(22) 20.09.2019	DISPENSING ICE
(22) 04.05.2017	(54) METHOD AND DEVICE FOR	(73) Marmon Foodservice Technologies, Inc.
(54) ONE METHOD TO MITIGATE	CONTROLLING THE ROTATING	(72) BENDIG, James
VIBRATION AND SOUND LEVEL	SPEED FLUCTUATION OF A	TOBLER, Andrew J.
IN HEAT PUMP CHILLER WITH EVI	COMPRESSOR	NJAASTAD, David K.
FUNCTION	(73) Qingdao Haier Air Conditioner General	SEVCIK, E. Scott
(73) Carrier Corporation	Corp., Ltd.	(31) 202117374272
(72) ZHANG, Yilin	(72) SHI, Weipin	202063052095 P
WANG, Weijuan	CHENG, Yongfu	(32) 13.07.2021
(31) 201610299751	YANG, Xiaohui	15.07.2020
(32) 09.05.2016	XU, Guojing	(33) United States of America
(33) China	LIU, Juke	United States of America
(51) F25B 49/00	(31) 201811531816	<hr/>
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(21) EP19706865.3	(51) F25B 49/02	F25D 16/00
(47) 28.06.2023	F25B 31/00	(11) EP3443282
(87) DE2019100080	F25B 43/02	(21) EP17782907.4
24.10.2019	F25B 31/02	(47) 28.06.2023
(22) 25.01.2019	(11) EP3874210	(87) US2017026771
(54) CONTROL CABINET ASSEMBLY	(21) EP19879151.9	19.10.2017
WITH A SAFETY FUNCTION AND A	(47) 28.06.2023	(22) 10.04.2017
CORRESPONDING METHOD	(87) US2019059128	(54) PORTABLE DEVICE FOR COLD CHAIN
(73) Rittal GmbH & Co. KG	07.05.2020	STORAGE
(72) HEIMBERG, Thorsten	(22) 31.10.2019	(73) Tokitae LLC
WAGNER, Steffen	(54) OIL CONTROL FOR CLIMATE-	(72) FOWLER, Lawrence Morgan
(31) 102018109604	CONTROL SYSTEM	LIU, Shiang
(32) 20.04.2018	(73) Emerson Climate Technologies, Inc.	LARUSSON, Fridrik
(33) Germany	(72) RICE, Daniel J.	PETERSON, Nels R.
(51) F25B 49/02	RAJENDRAN, Natarajan	CHOU, Fong-Li
F24F 11/86	FRASER, James Scott	YAGER, David J.
F04C 28/08	BORN, Jason A.	(31) 201615095236
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H02P 21/05	PLACE, Kory M.	(33) United States of America
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(11) EP3540340	(33) Italy	IELPO, Gaetano
(21) EP19162990.6	(51) F25D 23/02	SALDIVIA, Andres
(47) 28.06.2023	(11) EP3822562	(31) 201800008921
(22) 14.03.2019	(21) EP20205596.8	(32) 26.09.2018
(54) LOAD MANAGEMENT FOR	(47) 28.06.2023	(33) Italy
REFRIGERATED TRUCK UNIT	(22) 04.11.2020	(51) F26B 3/12
(73) Carrier Corporation	(54) CLIMATIC CABINET	F26B 17/04
(72) ARNEDO, Luis	(73) Binder GmbH	F26B 25/10
ADETOLA, Veronica	(72) Moll, Jan	(11) EP3948126
WALKER, Craig R.	Seligmann, Nina	(21) EP19715808.2
KOOI, Eeuwe Durk	Husseck, Mario	(47) 28.06.2023
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(32) 14.03.2018	(33) Germany	(22) 25.03.2019
(33) United States of America	(51) F25D 25/02	(54) A SPRAY DRYING APPARATUS WITH
(51) F25D 17/02	B32B 15/04	A PLENUM CHAMBER BELOW A
A47F 3/00	F25D 31/00	PERFORATED BOTTOM OF A SPRAY
(11) EP3695179	A47J 47/02	DRYING CHAMBER
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(47) 28.06.2023	(21) EP19209307.8	(72) STEFFENSEN, Mads Lund
(87) EP2018077615	(47) 28.06.2023	INGVORSEN, Kristian Mark
18.04.2019	(22) 15.11.2019	SCHWARTZBACH, Henrik
(22) 10.10.2018	(54) STORAGE CONTAINER AND	(51) F26B 5/06
(54) REFRIGERATED CABINET WITH	REFRIGERATOR HAVING THE SAME	(11) EP3864359
INTEGRATED HYDRAULIC CONTROL	(73) LG Electronics Inc.	(21) EP18799912.3
AND COOLING SYSTEM	(72) LEE, Sangyong	(47) 28.06.2023
(73) Viessmann Refrigeration Solutions	JEONG, Seokjae	(87) US2018055430
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(72) STACHE, Moritz	(31) 20180145554	(22) 11.10.2018
GEITZ, Benedikt	(32) 22.11.2018	(54) BULK FREEZE DRYING SYSTEM
(31) 102017123705	(33) Korea (Republic)	(73) IMA Life North America Inc.
(32) 12.10.2017	(51) F25D 29/00	(72) DEMARCO, Francis, W.
(33) Germany	F25D 23/02	GANGULY, Arnab
(51) F25D 19/00	A47F 3/04	RENZI, Ernesto
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(87) KR2019017984	(54) REFRIGERATOR	(11) EP4014002
25.06.2020	(73) LG Electronics Inc.	(21) EP20753334.0
(22) 18.12.2019	(72) JEONG, Hyocheol	(47) 28.06.2023
(54) REFRIGERATOR	CHO, Sanghun	(87) EP2020071988
(73) Samsung Electronics Co., Ltd.	JEON, Chansung	18.02.2021
(72) SHIN, Youn Tae	(31) 20170000484	(22) 05.08.2020
HWANG, In-Yong	(32) 02.01.2017	(54) COOLER FOR COOLING BULK
PARK, Sung Jin	(33) Korea (Republic)	MATERIAL
LEE, Dong Hyun	(51) F25J 3/06	(73) thyssenkrupp AG
KOO, Dong-Won	B01D 53/00	thyssenkrupp Industrial Solutions AG
(31) 20180165592	C10L 3/10	(72) ALTFELD, Jochen
(32) 19.12.2018	F25J 1/02	RIEGER, Rolf
(33) Korea (Republic)	F25J 1/00	BISPING, Justin
(51) F25D 21/04	(11) EP3628951	(31) 102019121870
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A47F 3/04	(47) 28.06.2023	(33) Germany
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(21) EP19769887.1	TREATMENT OF A FLUID MIXTURE	F27D 15/02
(47) 28.06.2023	CONTAINING LIQUEFIED METHANE	(11) EP4045860
(87) IB2019056237	AND CARBON DIOXIDE AND PLANT	(21) EP20789128.4
06.02.2020	FOR PRODUCING LIQUEFIED	(47) 28.06.2023
(22) 22.07.2019	BIOMETHANE OR NATURAL GAS	(87) EP2020078560
(54) REFRIGERATOR WITH A DOOR	COMPRISING SUCH A FLASH	22.04.2021
FRAME AND COUNTER FRAME	SEPERATOR	(22) 12.10.2020
(73) Cisaplast S.P.A.	(73) Hysytech S.r.l.	(54) COOLER AND A METHOD FOR
(72) CIOFI, Claudio	(72) ANTONINI, Massimiliano	COOLING BULK MATERIAL
CAIONE, Stefano	MARCHISIO, Luigi	(73) thyssenkrupp Industrial Solutions AG
(31) 201800007738	FARINA, Corrado	thyssenkrupp AG



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(33) Belgium	(22) 06.05.2021	(51) F41A 23/20
Germany	(54) INTEGRATED HEATING AND THERMAL STORAGE UNIT, SET OF INTEGRATED HEATING AND THERMAL STORAGE UNITS AND METHOD FOR CONTROLLING THE SAME	(11) EP3992567
(51) F28D 1/047	(73) Praciak, Marek	(21) EP21205472.0
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F28F 1/08	(31) 43389520	(22) 29.10.2021
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H01M 10/6557	(51) F28D 20/00	(72) DESCHAMPS, Victor
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(54) A BATTERY PACK AND A METHOD OF MANUFACTURING A BATTERY PACK	(22) 21.08.2018	(47) 28.06.2023
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(72) FLANNERY, Barry	(73) Nederlandse Organisatie voor Toegepast - Technische Universiteit Eindhoven	(54) GUN STOCK
(31) 201818053	(72) ERICH, Sebastiaan Joannes Franciscus HUIJINK, Hendrik Pieter	(73) BENELLI ARMI S.p.A.
(32) 05.11.2018	SIDDIQUI, Mohammed Zuhair	(72) MORETTI, LUIGI
(33) United Kingdom	DONKERS, Petrus Adrianus Joseph	(31) 201900007998
(51) F28D 1/053	ADAN, Olaf Clemens Gerardus	(32) 04.06.2019
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(22) 11.12.2020	F02C 7/14	12.09.2019
(54) A HEAT EXCHANGER ASSEMBLY	H01M 8/0267	(22) 04.03.2019
(73) Valeo Autosystemy SP. Z.O.O.	H05K 7/20	(54) A HANDGUN HOLSTER HAVING A THUMB-OPERATED SAFETY LOCK ON THE SPENT CASING EJECTION PORT OF THE HANDGUN
(72) GODZINA, Radoslaw	F28D 21/00	(73) Radar Leather Division S.r.l.
PAWLAK, Damian	(11) EP3557176	(72) PELLEGRINI, Pietro
FAJKIS, Michal	(21) EP19165743.6	(31) 201800003306
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(21) EP20461591.8	(54) HEAT EXCHANGER FOR MITIGATING ICE FORMATION ON AN AIRCRAFT	(51) F41G 1/34
(47) 28.06.2023	(73) Insitu, Inc.	(11) EP3719438
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(73) Valeo Autosystemy SP. Z.O.O.	(32) 30.03.2018	(22) 17.08.2017
(72) GUT, Damian	(33) United States of America	(54) TRITIUM HOUSING
LIPOWSKI, Mateusz	(51) F41A 23/18	(73) Sherpa Enterprises, LLC
JUGOWICZ, Andrzej	(11) EP3977036	(72) KARCHON, Alexander J. KARCHON, Christopher J.
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(47) 28.06.2023	(73) NEXTER Systems	(33) United States of America United States of America United States of America
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(72) RICE, Jeremy		
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(22) 16.07.2020	SENSOR HOUSING	(87) JP2013080796
(54) UNDERWATER PROJECTILE,	(73) Compagnie Générale des	18.09.2014
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(73) Naval Group	(31) 1770856	(73) Omron Corporation
(72) DE SARRAN, Thibaut	(32) 14.08.2017	(72) HAYAKAWA, Masayuki
(31) 1908105	(33) France	MATSUI, Yuki
(32) 18.07.2019	(51) G01B 9/02	ARAKAWA, Masayuki
(33) France	A61B 3/10	OTA, Jun
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(72) BACLE, Emmanuel	WITH FIDUCIAL SIGNAL FOR	DIMENSIONAL IMAGE GENERATION
BRUNET, Pierre	CORRECTING SCANNING LASER	(73) Google LLC
(31) 1907906	NONLINEARITY	(72) FRANCIS, Anthony Gerald Jr.
(32) 15.07.2019	(73) AMO Development, LLC	LEWIS, Thor
(33) France	(72) PULASKI, Paul D.	(31) 201313958776
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(73) NOF Corporation	(54) CALIBRATING A VOLUME	(87) DE2018000106
(72) SHIMAZAKI, Kohichi	DIMENSIONER	25.10.2018
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HIKONE, Satoshi	MCCLOSKEY, Scott	MONITORED CONTROL OF THE
TAKAYASU, Michihiro	(31) 201514740373	MACHINING PROCESS OF SYSTEMS
TANAKA, Shinya	(32) 16.06.2015	MACHINING THE SURFACE OF A
(31) 2017004521	(33) United States of America	WORKPIECE, IN PARTICULAR WIDE-
2016084479	(51) G01B 11/00	BAND GRINDING MACHINES, WHILST
(32) 13.01.2017	G01C 3/06	TAKING SAFETY-RELEVANT LONG-
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(33) Japan	(11) EP2833095	(73) Grenzebach Maschinenbau GmbH
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(51) G01B 7/26	(47) 28.06.2023	SCHWAB, Leonard
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F16B 21/02	(22) 28.03.2012	(33) Germany
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G01M 17/02	(73) Fujitsu Limited	G01B 11/25
B25G 3/16	(72) AOKI, Takahiro	(11) EP3798570
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(73) Stemmer Imaging AG	(51) G01C 11/02	(11) EP3293490
(72) Gralla, Phil Schwager, Stefan	(11) EP3703307	(21) EP17184557.1
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(47) 28.06.2023	(73) ImageSat International (I.S.I.) Ltd.	(72) Patel, Amit
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(73) Enovasense S.A.S	(33) Israel	G06F 11/14
Renault s.a.s	(51) G01C 19/5747	G08G 5/00
(72) AUBANEL, Laurent	(11) EP3971522	G07C 5/08
INARD-CHARVIN, Jean	(21) EP21169404.7	B64F 5/60
DELAUNAY, David	(47) 28.06.2023	B64D 45/00
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(32) 19.04.2018	(73) Murata Manufacturing Co., Ltd.	(21) EP18203895.0
(33) France	(72) Rytkönen, Ville-Pekka	(47) 28.06.2023
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G01B 7/14	(33) Finland	KELLEY, Orin Jon
G01B 21/16	(51) G01C 21/30	TSCHETTER, Lindsey C.
G01M 13/04	G06F 16/29	LETSU-DAKE, Emmanuel
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MAZUR, David Christopher	EASWARAN, Sri Navaneethakrishnan	G01P 1/02
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(54) SYSTEM FOR DETERMINING AT	WITH LOCAL ANALOG-TO-DIGITAL	BINZER, Martin
LEAST ONE ROTATION PARAMETER	CONVERTER	MÜLLER, Harald
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(51) G01F 1/34	(54) MAGNETICALLY INDUCTIVE FLOWMETER AND METHOD FOR PRODUCING SUCH A MAGNETICALLY INDUCTIVE FLOWMETER	(54) VIBRATORY FLOW METER WITH MULTICHANNEL FLOW TUBE
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G01F 1/36	TRIEBENBACHER, Simon	GRIFFIN, Clinton R.
G01F 15/00	FUCHS, Michael	BELL, Mark James
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(72) GUYOT, Eric	(22) 12.02.2021	KORJUS, Kristjan
GUERIN DELETANG, Sandrine	(54) SYSTEM AND METHOD FOR	HEINLA, Ahti
FARINE, Sophie	OPTIMIZATION OF INDUSTRIAL	(31) 201715695157
KEPPNER, Herbert	PROCESSES	17189365
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(33) Switzerland	MANGAL, Saurabh	European Patent Office (EPO)
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G07C 1/22	(32) 26.03.2020	B65G 1/00
G07C 1/28	(33) India	(11) EP3824365
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AND STOPPING A TIME CLOCK IN A	(54) METHOD FOR PRODUCING A RECIPE	(54) SYSTEM FOR VEHICLE POSITION
SPORT EVENT HAVING A PLURALITY	FOR A PROCESS ENGINEERING	CALIBRATION USING RACK LEG
OF DISTINCT ACTIVATION SIGNALS	SYSTEM	IDENTIFICATION
(73) Costabile, Michael J.	(73) Siemens Aktiengesellschaft	(73) Crown Equipment Corporation
(72) WHITLEY, Dennis Brady	(72) Maurmaier, Mathias	(72) LEE, Grace Da-In
COSTABILE, Michael J.	Stutz, Andreas	THODE, Justin Forbes
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(54) WORK AREA ZONE DEMARCATION	(72) GINSBURG, Brian	G09G 3/00
DEVICE FOR AUTONOMOUS	NAYYAR, Jasbir Singh	G09G 5/10
TRAVELING WORK MACHINE	SUBBURAJ, Karthik	(11) EP3719609
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(72) SHIMAMURA, Hideaki	(32) 26.10.2016	(47) 28.06.2023
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B64C 39/02	(11) EP3059654	IMPROVING VISIBILITY OF CURVED
H04W 4/021	(21) EP16155043.9	PORTION OF DISPLAY AND METHOD
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(11) EP3797342	(22) 10.02.2016	(73) Samsung Electronics Co., Ltd.
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(47) 28.06.2023	MOUNT BY MAGNETS	Cho, Joungmin
(87) US2019031922	(73) Google LLC	Kim, Seungjin
28.11.2019	(72) LEE, Ji Heun	An, Jungchul
(22) 13.05.2019	MATSUMOTO, George	Kim, Jiyong
(54) PRECISION MAPPING USING	KIPLE, Bryan	Kim, Kwangtai
AUTONOMOUS DEVICES	(31) 201514622330	Lee, Sungjun
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(72) BRUNER, John David	(33) United States of America	(32) 05.04.2019
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(47) 28.06.2023	(11) EP3921717	(54) HINGE MODULE INCLUDING DETENT
(87) US2017017726	(21) EP20791151.2	STRUCTURE AND FOLDABLE
08.09.2017	(47) 28.06.2023	ELECTRONIC DEVICE INCLUDING
(22) 13.02.2017	(87) KR2020005164	THE HINGE MODULE
(54) MULTIPLE INPUT MULTIPLE OUTPUT	22.10.2020	(73) Samsung Electronics Co., Ltd.
REGULATOR CONTROLLER SYSTEM	(22) 17.04.2020	(72) LEE, Hyunggeun
(73) Qualcomm Incorporated	(54) ELECTRONIC DEVICE INCLUDING	KIM, Jungjin
(72) GUAN, Hua	DISPLAY	LEE, Suman
HO, Ngai Yeung	(73) Samsung Electronics Co., Ltd.	KIM, Jongyoon
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(54) VOLTAGE REGULATOR CIRCUIT AND	27.08.2020	07.01.2021
METHOD THEREFOR	(22) 10.02.2020	(22) 15.05.2020
(73) NXP B.V.	(54) FOLDABLE ELECTRONIC DEVICE	(54) METHOD FOR ADAPTIVE THERMAL
(72) Turret, Jean-Robert	COMPRISING PROTECTION MEMBER	MANAGEMENT OF BATTERY PACKS
(51) G06F 1/12	(73) Samsung Electronics Co., Ltd.	(73) Microsoft Technology Licensing, LLC
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AND METHODS	PHOTOMULTIPLIER SENSOR	(21) EP19910068.6
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(32) 16.10.2015	(31) 201815893320	(54) ELECTRONIC DEVICE AND CONTROL
(33) United Kingdom	(32) 09.02.2018	METHOD THEREFOR
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(73) Microchip Technology Incorporated (72) HOCH, Martin HEIM, Axel	(73) Nissha Co., Ltd. (72) KOGO, Teruyuki MATSUMOTO, Kousuke KAGASE, Mitsuru	(72) BOK, Il Geun KIM, Tae Yeon SHIN, Hyun Kyung LEE, Sung-Sik
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(73) Samsung Display Co., Ltd. (72) Ko, Gwang Bum Lee, Sang Chul Kim, Young-Sik Kim, Jung Hak Kim, Do Ik Kim, Ga Young	(73) Apple Inc. (72) YANG, Lawrence, Y. LEMAY, Stephen, O. JON, Tiffany, S.	(73) Microsoft Technology Licensing, LLC (72) DAVIS, Peter Gregory JOHNSON, Jeffrey JAIN, Raju ZHANG, Liang BHATTARAI, Dipesh KUMAR, Kiran
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ALONSO RUIZ, Marcos                  SUH, Bongsoo                  AMINI, Mani                  KEDIA, Shubham                  WAN, Wan Si                  KARUNAMUNI, Chanaka G.                  BERNSTEIN, Jeffrey T.                  FOSS, Christopher P.                  DE VRIES, Nathan                  TYLER, William M.                  MISSIG, Julian K.                  WALKIN, Brandon M.                  DONG, Linda L.                  STACK, Caelan G.                  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(72) DAGAN, Ram                  SHAHAM, Noam</p> <hr/> <p>(51) G06F 3/14                  G09G 5/08                  (11) EP3454202                  (21) EP16901035.2                  (47) 28.06.2023                  (87) CN2016113214                  09.11.2017                  (22) 29.12.2016                  (54) FRAME DROP PROCESSING METHOD AND SYSTEM FOR PLAYED PPT                  (73) Guangzhou Shirui Electronics Co., Ltd.                  (72) CHEN, Shitong                  (31) 201610294480                  (32) 04.05.2016                  (33) China</p> <hr/> <p>(51) G06F 3/16                  G06T 7/11                  G10L 15/183                  G10L 15/22                  G06N 3/08                  (11) EP3667488                  (21) EP19215862.4</p>
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MORIYA, Shigeki	(73) LG Energy Solution, Ltd.	(72) SUZUKI, Takashi
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(73) Lisa Dräxlmaier GmbH	(51) H01M 10/0525	H01M 10/0569
(72) SEIDL, Stefan	H01M 10/058	(11) EP3703174
BRENDECKE, Felix	H01M 10/04	(21) EP20159550.1
STECK, Armin	H01M 10/0587	(47) 28.06.2023
UNVERRICHT, Michel	H01M 50/531	(22) 26.02.2020
RIESTER, Christoph	(11) EP3852183	(54) ELECTROLYTE COMPOSITION FOR LITHIUM-ION ELECTROCHEMICAL ELEMENT
RÖMELSBERGER, Michael	(21) EP20873336.0	(73) SAFT
MAGUNIA, Robert	(47) 28.06.2023	(72) OSWALD, Marlène
GRÄF, Markus	(87) CN2020087693	DEMEAUX, Julien
(31) 102019103570	20.05.2021	(31) 1902135
(32) 13.02.2019	(22) 29.04.2020	(32) 01.03.2019
(33) Germany	(54) BUTTON LITHIUM ION BATTERY AND MANUFACTURING METHOD THEREFOR	(33) France
(51) H01M 10/04	(73) ZHONGSHAN ZHONGWANGDE NEW ENERGY TECHNOLOGY CO., LTD	(51) H01M 10/0567
H01M 50/317	(72) HUANG, Xuehua	H01M 10/0568
H01M 50/367	CHEN, Wei	H01M 10/0569
H01M 50/54	(31) 201911094423	H01M 10/0525
(11) EP3480867	(32) 11.11.2019	(11) EP3550657
(21) EP18203582.4	(33) China	(21) EP17876629.1
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(22) 30.10.2018	H01M 10/052	(87) CN2017093745
(54) BIPOLAR BATTERY ASSEMBLY	C01B 33/00	07.06.2018
(73) Advanced Battery Concepts, LLC	(11) EP3890091	(22) 20.07.2017
(72) Hobday, Donald	(21) EP21154519.9	(54) ELECTROLYTE AND SECONDARY LITHIUM BATTERY
Schaffer II, Edward	(47) 28.06.2023	(73) Contemporary Amperex Technology Co., Limited
(31) 201715802797	(22) 01.02.2021	(72) ZHANG, Ming
(32) 03.11.2017	(54) CRYSTALLINE SOLID ELECTROLYTE AND METHOD OF PRODUCING THE SAME	ZHANG, Cui
(33) United States of America	(73) FUJITSU LIMITED	ZHOU, Xiaochong
(51) H01M 10/04	(72) Fushimi, Naoki	HAN, Changlong
H01M 50/342	Homma, Kenji	JU, Feng
H01M 50/271	Iwata, Jiyunichi	(31) 201611073063
H01M 50/209	(31) 2020064562	(32) 29.11.2016
(11) EP3940835	(32) 31.03.2020	(33) China
(21) EP21196117.2	(33) Japan	(51) H01M 10/0567
(47) 28.06.2023	(51) H01M 10/0567	H01M 10/42
(22) 20.03.2019	H01M 10/052	H01M 10/052
(54) BATTERY MODULE	H01M 4/505	(11) EP3940851
(73) Contemporary Amperex Technology Co., Limited	H01M 10/42	(21) EP20799175.3
(72) CAO, Gen	H01M 4/525	(47) 28.06.2023
YAO, Jihua	(11) EP3783722	(87) KR2020005506
ZHU, Taosheng	(21) EP19860402.7	05.11.2020
(31) 201810268868	(47) 28.06.2023	(22) 27.04.2020
(32) 29.03.2018	(87) KR2019011857	(54) ELECTROLYTE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME
(33) China	19.03.2020	(73) LG Energy Solution, Ltd.
(51) H01M 10/052	(22) 11.09.2019	(72) LEE, Chul Haeng
H01M 4/38	(54) NON-AQUEOUS ELECTROLYTE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING SAME	LIM, Young Min
H01M 50/403	(73) LG Energy Solution, Ltd.	LEE, Jung Min
H01M 50/414	(72) LEE, Chul Haeng	(31) 20190051437
H01M 50/417	OH, Jeong Woo	(32) 02.05.2019
H01M 50/457	AN, Yu Ha	(33) Korea (Republic)
(11) EP3624226	KIM, Hyun Seung	(51) H01M 10/0567
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(47) 28.06.2023	(32) 12.09.2018	H01M 10/054
(87) KR2019001977	(33) Korea (Republic)	C07F 19/00
22.08.2019	(51) H01M 10/0567	C07F 7/10
(22) 19.02.2019	H01M 10/0568	(11) EP3641044
(54) SEPARATOR FOR LITHIUM-SULFUR BATTERY, MANUFACTURING METHOD THEREFOR, AND LITHIUM-SULFUR BATTERY COMPRISING SAME	H01M 10/0525	(21) EP18845985.3
(73) LG Energy Solution, Ltd.	H01M 4/505	(47) 28.06.2023
(72) YANG, Doo Kyung	H01M 4/525	(87) KR2018008633
KIM, Sunjin	H01M 4/58	21.02.2019
(31) 20180019149		(22) 30.07.2018
(32) 19.02.2018		

(54) ELECTROLYTE FOR SECONDARY BATTERY AND SECONDARY BATTERY COMPRISING SAME	(54) ELECTROCHEMICAL ENERGY STORAGE APPARATUS AND DEVICE	H01M 50/291 H01M 50/358
(73) Daegu Gyeongbuk Institute of Science and Technology LG Energy Solution, Ltd.	(73) Contemporary Amperex Technology Co., Limited	(11) EP3920255 (21) EP20877580.9 (47) 28.06.2023 (87) CN2020119080 22.04.2021
(72) PARK, Changhun LEE, Hochun KANG, Sungjin KIM, Doyeon JANG, Minchul KIM, Hyeonji	(72) YU, Yang (31) 201910730977 (32) 08.08.2019 (33) China	(22) 29.09.2020 (54) BATTERY PACK AND VEHICLE
(31) 20170103526 (32) 16.08.2017 (33) Korea (Republic)	(51) H01M 10/42 H01M 10/6235 H01M 10/613 H01M 50/213 H01M 50/503 H01M 50/519 H01M 10/643	(73) Contemporary Amperex Technology Co., Limited (72) FANG, Wumei HUANG, Haihua (31) 201910975573 (32) 15.10.2019 (33) China
(51) H01M 10/0567 H01M 10/42 H01M 10/52 H01M 4/525 H01M 4/587 H01M 4/36 H01M 10/0525 H01M 4/133	(11) EP3531473 (21) EP19156523.3 (47) 28.06.2023 (22) 11.02.2019 (54) BATTERY PACK AND HAND-HELD POWER TOOL AND METHOD OF MANUFACTURING THE SAME	(51) H01M 50/264 H01M 50/20 (11) EP3961796 (21) EP21754886.6 (47) 28.06.2023 (87) CN2021074500 20.01.2022 (22) 29.01.2021 (54) BATTERY MODULE (73) DONGGUAN POWERAMP TECHNOLOGY LIMITED
(11) EP3937286 (21) EP20798807.2 (47) 28.06.2023 (87) KR2020005473 05.11.2020 (22) 24.04.2020	(73) Metabowerke GmbH (72) Stickel, Wolfgang Stoll, Michael Wolf, Alexander (31) 102018104340 (32) 26.02.2018 (33) Germany	(72) ZHOU, Jinbing WANG, Pengfei (31) 202010694761 (32) 17.07.2020 (33) China
(54) NON-AQUEOUS ELECTROLYTE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME	(51) H01M 10/613 H01M 10/625 H01M 10/654 H01M 10/6567	(51) H01M 50/30 H01M 50/342 (11) EP3772761 (21) EP19208248.5 (47) 28.06.2023 (22) 11.11.2019 (54) COVER ASSEMBLY OF SECONDARY BATTERY AND SECONDARY BATTERY
(73) LG Energy Solution, Ltd. (72) OH, Jeong Woo KIM, Hyung Tae LEE, Chul Haeng	(11) EP4029077 (21) EP20785548.7 (47) 28.06.2023 (87) FR2020051544 18.03.2021 (22) 08.09.2020	(73) Contemporary Amperex Technology Co., Limited (72) HUANG, Siying SUN, Zhanyu XU, Jinmei WANG, Peng LI, Quankun ZHANG, Shiyao (31) 201910726079 (32) 07.08.2019 (33) China
(31) 20190050870 (32) 30.04.2019 (33) Korea (Republic)	(54) DEVICE FOR REGULATING THE TEMPERATURE OF AN ELECTRICAL ELEMENT BY MEANS OF A DIELECTRIC FLUID	
(51) H01M 10/42 G01R 31/36 G01N 1/22	(73) VALEO SYSTEMES THERMIQUES (72) MAMMERI, Amrid GARNIER, Sébastien AZZOUZ, Kamel (31) 1909980 (32) 10.09.2019 (33) France	(51) H01M 50/414 H01M 50/437 H01M 4/66 H01M 4/134 H01M 10/0525 H01M 10/0567 H01M 4/1395 H01M 4/36 H01M 10/0585 H01M 10/0568 H01M 10/0569 H01M 4/485 H01M 4/505 H01M 4/525 H01M 4/58 H01M 4/80 H01M 4/46
(11) EP3627613 (21) EP18855650.0 (47) 28.06.2023 (87) KR2018010745 21.03.2019 (22) 13.09.2018	(54) GAS MEASURING DEVICE FOR SECONDARY BATTERY	
(73) LG Energy Solution, Ltd. (72) KIM, Sang Wan RYU, Duk Hyun LEE, Kwan Soo	(51) H01M 50/148 H01M 50/169 H01M 50/55 H01M 50/176 (11) EP3549186 (21) EP17804598.5 (47) 28.06.2023 (87) EP2017081214 07.06.2018 (22) 01.12.2017 (54) ALKALINE BATTERY (73) SAFT (72) RIGOBERT, Gérard (31) 1661785 (32) 01.12.2016 (33) France	
(31) 20170117886 (32) 14.09.2017 (33) Korea (Republic)	(51) H01M 50/209 H01M 50/249	
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(22) 01.04.2017	(51) H01M 50/581	(54) TUNABLE FREQUENCY SELECTIVE
(54) SECONDARY BATTERY AND	H01M 50/507	LIMITER
PREPARATION METHOD THEREFOR	H01M 50/509	(73) Rockwell Collins, Inc.
(73) Real Power Industrial Limited Company	(11) EP3686964	(72) LOVSETH, Jonathan A.
(72) TANG, Yongbing	(21) EP19752032.3	(31) 201916520492
ZHANG, Fan	(47) 28.06.2023	(32) 24.07.2019
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SHENG, Maohua	15.08.2019	(51) H01P 1/22
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(33) World Intellectual Property Office (WIPO)	BREAKING PORTION AND BATTERY	(47) 28.06.2023
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(11) EP3573163	(72) RYU, Jae-Uk	(22) 14.02.2019
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(47) 28.06.2023	KIM, Su-Chang	ATTENUATOR
(87) JP2017001902	YOON, Ji-Su	(73) International Business Machines
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(22) 20.01.2017	KANG, Dal-Mo	(72) CHOW, Jerry
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MONO CELL	(31) 20180016388	GAMBETTA, Jay
(73) Envision AESC Japan Ltd.	(32) 09.02.2018	OLIVADESE, Salvatore, Bernardo
(72) SHIRAI, Kenichi	(33) Korea (Republic)	(31) 201815922105
YAMASHITA, Takeshi	(51) H01P 1/04	(32) 15.03.2018
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H01M 50/423	AND MULTILAYER TRANSITION	(21) EP21174582.3
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(21) EP21758298.0	HUANG, Po-Chia	DEVICE
(47) 28.06.2023	LIN, Yu-Cheng	(73) Huawei Technologies Co., Ltd.
(87) JP2021006331	CHIANG, Tsu-Wen	(72) TAO, Zui
02.09.2021	FANG, Chien-Tse	ZHOU, Xiao
(22) 19.02.2021	TAI, Yang	ZHAO, Jie
(54) SEPARATOR FOR NON-AQUEOUS	TSAI, Wen-Tsai	KADICHEVITZ, Michael
SECONDARY BATTERY, AND NON-	LIN, Chueh-Jen	(31) 202010431622
AQUEOUS SECONDARY BATTERY	HUNG, Tzu-Chieh	(32) 20.05.2020
(73) Teijin Limited	CHANG, Su-Wei	(33) China
(72) MORIMURA, Wataru	CHEN, Wei-Yang	(51) H01Q 1/22
NISHIKAWA, Satoshi	(51) H01P 1/208	H01Q 1/32
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H01M 50/119	(73) HUawei TECHNOLOGIES CO., LTD.	H04W 4/80
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(47) 28.06.2023	(33) China	LI, Yanlong
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BISCONTINI, Bruno	B29C 45/16	United States of America
SPRANGER, Christoph	C25D 5/02	(51) H01Q 1/44
(51) H01Q 1/24	C23C 14/20	H01Q 5/335
H01Q 1/38	B29L 31/30	H01Q 7/00
H01Q 21/06	B29L 9/00	H01Q 5/35
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(73) Nokia Shanghai Bell Co., Ltd.	(54) SELECTIVELY CHROME PLATED VEHICLE RADOME AND METHODS OF MANUFACTURING	H01Q 9/04
(72) CHARAABI, Zied	(73) SRG Global, LLC	(11) EP3930097
(51) H01Q 1/24	(72) BRUYNEEL, Nicholas	(21) EP21178986.2
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(47) 28.06.2023	H01Q 21/00	LIU, Hongwei
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		(73) Airbus Defence and Space Limited

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(33) Japan	(73) Aptiv Technologies Limited	(73) Ripplöh, Andreas
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United States of America	PROGRAM PRODUCT FOR	H04W 28/06
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H04W 12/06	SERVICE	H04W 74/08
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(73) HUAWEI TECHNOLOGIES CO., LTD.	(51) H04W 12/06	STATION
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CHENG, Ziyao	(11) EP3490333	TELEPHONE CORPORATION
YI, Qiang	(21) EP17843910.5	(72) Iwatani, Junichi
GAO, Linyi	(47) 28.06.2023	Inoue, Yasuhiko
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H04L 9/08	(54) METHOD AND SYSTEM FOR	(32) 05.10.2015
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(21) EP18728213.2	CONFIGURATION IN WIRELESS	(51) H04W 16/14
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EMITTED BY A CONNECTED OBJECT	PARK, Jungshin	(54) METHOD AND APPARATUS OF
AND BLOCKING OF RETRANSMITTED	LEE, Joohyung	TRANSMIT POWER CONTROL IN
FRAMES ON A LOW CONSUMPTION	LEE, Jinsung	WIRELESS LOCAL AREA NETWORK
WIRELESS COMMUNICATION	KWEON, Kisuk	(73) Microsoft Technology Licensing, LLC
NETWORK	MOON, Sangjun	(72) KIM, Eun Sun
(73) ORANGE	KIM, Daegyun	SEOK, Yong Ho
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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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(72) WONDRASEK, Michael Anthony	(73) eno energy systems GmbH	(72) Roberts, Anthony David
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WITH CORRESPONDING METHOD	(72) FONTANESI, Filippo	(72) LEDRAPPIER, Florent
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Yoo, Hojune	(47) 22.03.2023	(74) dr. ir. F.M. van Bouwelen
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COMPONENT	(72) HISANO, Keisuke	G11C 7/02
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## VB1

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(11) EP3859377	(11) EP3880888	(11) EP3899266
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(11) EP3860005	(11) EP3882050	(11) EP3899322
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(11) EP3860022	(11) EP3883212	(11) EP3899881
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(11) EP3860532	(11) EP3883639	(11) EP3899912
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(11) EP3900590	(11) EP3913272	(11) EP3919924
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(11) EP3900594	(11) EP3913647	(11) EP3920262
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(11) EP3900595	(11) EP3913711	(11) EP3922268
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(11) EP3900596	(11) EP3913772	(11) EP3923074
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(11) EP3900780	(11) EP3914055	(11) EP3923449
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(11) EP3902662	(11) EP3914133	(11) EP3923647
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(11) EP3903417	(11) EP3914488	(11) EP3925280
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(11) EP3903955	(11) EP3914779	(11) EP3926226
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(11) EP3904987	(11) EP3915214	(11) EP3930049
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(11) EP3905463	(11) EP3915737	(11) EP3930963
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(11) EP3906833	(11) EP3916186	(11) EP3931041
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(11) EP3907017	(11) EP3916250	(11) EP3931427
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(11) EP3907963	(11) EP3916327	(11) EP3931655
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(11) EP3908163	(11) EP3916510	(11) EP3931656
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(11) EP3908519	(11) EP3917010	(11) EP3932613
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(11) EP3910018	(11) EP3917636	(11) EP3932625
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(11) EP3911944	(11) EP3917675	(11) EP3932974
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(11) EP3913271	(11) EP3919920	(11) EP3935449
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(11) EP3937008	(11) EP3948449	(11) EP3978471
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(11) EP3937746	(11) EP3949273	(11) EP3979390
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(11) EP3938637	(11) EP3953141	(11) EP3988951
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(11) EP3939938	(11) EP3959039	(11) EP3995962
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(11) EP3943897	(11) EP3971590	(11) EP4008500
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(11) EP3944975	(11) EP3972925	(11) EP4010604
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(11) EP3946170	(11) EP3974614	(11) EP4013256
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(11) EP3947155	(11) EP3975181	(11) EP4013566
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(11) EP4072260	
(00) 22.02.2023	

**VRB**

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



## CO

## Ingeschreven overdrachten.

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

(71) Kist Audio	(73) Nova Ltd.	(73) InnoCore Technologies Holding B.V.
(73) Kist Audio	(11) EP2165178	(11) EP2629762
(11) 2014677	(00) 14.06.2023	(00) 13.06.2023
(00) 14.06.2023	(51) G01B 11/06	(51) A61K 9/70
(51) H04R 1/04	G01N 21/21	A61K 47/34
(00) Assignment	(00) Change of owner(s) name	C08G 63/06
(71) Sunwaves B.V.	(71) 2526455 ONTARIO LTD	C08G 63/66
(73) Sunwaves B.V.	(73) 2526455 ONTARIO LTD	C08G 63/664
(11) EP2131645	(11) EP2231203	(00) Assignment
(00) 23.06.2023	(00) 16.06.2023	(71) Medline Industries, LP
(51) A01G 9/22	(51) A61L 2/20	(73) Medline Industries, LP
E06B 9/264	A61L 9/22	(11) EP2258302
(00) Assignment	A61M 5/00	(00) 16.06.2023
(71) WORQ PHARMACEUTICALS	A61M 5/31	(51) A61M 25/00
(ZHEJIANG) CO., LTD.	A61M 39/16	(00) Change of Legal Entity
(73) WORQ PHARMACEUTICALS	C01B 13/11	(71) InnoCore Technologies Holding B.V.
(ZHEJIANG) CO., LTD.	(00) Assignment	(73) InnoCore Technologies Holding B.V.
(11) EP2035457	(71) Nobel Biocare Services AG	(11) EP2629762
(00) 14.06.2023	(73) Nobel Biocare Services AG	(00) 13.06.2023
(51) A61K 39/35	(11) EP2670339	(51) A61K 9/70
A61K 39/36	(00) 09.06.2023	A61K 47/34
C07K 19/00	(51) A61C 8/00	C08G 63/06
(00) Change of owner(s) name	(00) Assignment	C08G 63/66
(71) GUNZE LIMITED	(71) UBE Corporation	C08G 63/664
UBE Corporation	(73) UBE Corporation	(00) Assignment
(73) GUNZE LIMITED	(11) EP2415763	(71) Infineon Technologies AG
UBE Corporation	(00) 20.06.2023	(73) Infineon Technologies AG
(11) EP2072580	(51) A61K 31/44	(11) EP2525604
(00) 20.06.2023	A61K 31/443	(00) 13.06.2023
(51) B29C 41/04	A61K 31/4439	(51) H04B 5/00
B29K 79/00	A61K 31/444	H04W 4/00
B29L 29/00	A61K 31/501	H04W 36/00
C08G 73/10	A61K 31/506	H04W 36/14
C08K 9/02	A61P 27/06	H04W 84/12
C08L 79/08	C07D 213/83	H04W 88/06
G03G 15/16	C07D 401/12	(00) Assignment
(00) Change of owner(s) name	C07D 401/14	(71) Medline Industries, LP
(71) Daiichi Sankyo Company, Limited	C07D 405/14	(73) Medline Industries, LP
UBE Corporation	C07D 409/14	(11) EP2777412
(73) Daiichi Sankyo Company, Limited	C07D 417/12	(00) 16.06.2023
UBE Corporation	C07D 417/14	(51) A41D 13/008
(11) EP2123656	(00) Change of owner(s) name	A41D 13/12
(00) 20.06.2023	(71) Nova Ltd.	A41D 27/24
(51) A61K 31/4365	(73) Nova Ltd.	A41D 31/00
A61P 7/02	(11) EP2539668	(00) Change of Legal Entity
C07D 495/04	(00) 14.06.2023	(71) 2526455 ONTARIO LTD
(00) Change of owner(s) name	(51) G01B 11/06	(73) 2526455 ONTARIO LTD
(71) SealEco NV	G01B 11/24	(11) EP2207574
(73) SealEco NV	G03F 7/20	(00) 16.06.2023
(11) EP2014849	G06F 17/00	(51) A61K 33/40
(00) 21.06.2023	(00) Change of owner(s) name	A61L 2/20
(51) E04H 4/12	(71) VERSALIS S.p.A.	A61L 9/22
(00) Change of owner(s) name	(73) VERSALIS S.p.A.	C01B 13/11
(71) SealEco Belgium NV	(11) EP2421965	(00) Assignment
(73) SealEco NV	(00) 26.06.2023	(71) Minimus Spine, Inc.
(11) EP2014849	(51) C11D 3/386	(73) 2526455 ONTARIO LTD
(00) 21.06.2023	C12N 9/42	(11) EP2207574
(51) E04H 4/12	C12N 15/56	(00) 16.06.2023
(00) Merge	C12N 15/80	(51) A61K 33/40
(71) Nova Ltd.	(00) Assignment	A61L 2/20
	(71) InnoCore Technologies B.V.	A61L 9/22

C01B 13/11	(11) EP2751477	(00) Assignment
(00) Assignment	(00) 13.06.2023	(71) DISH Technologies L.L.C.
(71) Nobel Biocare Services AG	(51) F21V 7/00	(73) DISH Technologies L.L.C.
(73) Nobel Biocare Services AG	F21V 7/05	(11) EP3021503
(11) EP2566413	F21V 15/01	(00) 20.06.2023
(00) 09.06.2023	F21W 131/405	(51) H04W 88/06
(51) A61C 8/00	F21V 3/00	H04B 17/20
(00) Assignment	F21V 23/00	(00) Change of owner(s) name
(71) VERSALIS S.p.A.	F21S 4/00	(71) DISH Technologies L.L.C.
(73) VERSALIS S.p.A.	F21S 4/28	(73) DISH Technologies L.L.C.
(11) EP2313514	F21Y 103/10	(11) EP2826240
(00) 26.06.2023	F21Y 115/10	(00) 20.06.2023
(51) C12P 7/10	(00) Assignment	(51) H04N 21/266
C12P 19/02	(71) Nobel Biocare Services AG	H04N 21/434
C12P 19/14	(73) Nobel Biocare Services AG	H04N 21/4405
(00) Assignment	(11) EP2344063	H04N 21/45
(71) Daiichi Sankyo Company, Limited	(00) 09.06.2023	H04N 21/462
UBE Corporation	(51) A61C 8/00	H04N 21/4623
(73) Daiichi Sankyo Company, Limited	(00) Assignment	H04H 60/14
UBE Corporation	(71) ATNX SPV, LLC	H04N 7/08
(11) EP2003136	(73) ATNX SPV, LLC	(00) Change of owner(s) name
(00) 20.06.2023	(11) EP2155681	(71) WORG PHARMACEUTICALS
(51) A61K 31/4365	(00) 23.06.2023	(ZHEJIANG) CO., LTD.
A61P 7/02	(51) A61K 31/44	(73) WORG PHARMACEUTICALS
C07D 495/04	A61P 35/00	(ZHEJIANG) CO., LTD.
(00) Change of owner(s) name	C07D 213/56	(11) EP2717910
(71) Mogatec GmbH	(00) Assignment	(00) 14.06.2023
(73) Mogatec GmbH	(71) Mogam Biotechnology Institute	(51) A61K 39/36
(11) EP2904893	GC Cell Corporation	C07K 14/02
(00) 16.06.2023	(73) Mogam Biotechnology Institute	(00) Change of owner(s) name
(51) A01G 3/053	GC Cell Corporation	(71) Infineon Technologies AG
(00) Change of owner(s) name	(11) EP2794859	(73) Infineon Technologies AG
(71) DISH Technologies L.L.C.	(00) 14.06.2023	(11) EP3060003
(73) DISH Technologies L.L.C.	(51) A61K 38/38	(00) 13.06.2023
(11) EP2792123	C12N 5/0783	(51) H04B 5/00
(00) 20.06.2023	A61K 35/17	H04W 4/00
(51) H04N 21/218	(00) Merge	H04W 36/00
H04N 21/231	(71) ECOsubsea AS	H04W 36/14
H04N 21/2312	(73) ECOsubsea AS	H04W 52/02
H04N 21/2343	(11) EP2531401	H04W 84/12
H04N 21/2747	(00) 23.06.2023	H04W 88/06
H04N 21/6373	(51) B08B 3/02	(00) Assignment
H04N 21/845	B63B 59/08	(71) ITALMATIC ROBOTICS SRL
H04L 29/08	(00) Assignment	(73) ITALMATIC ROBOTICS SRL
(00) Change of owner(s) name	(71) Medline Industries, LP	(11) EP2414153
(71) Ecotray Packaging B.V.	(73) Medline Industries, LP	(00) 23.06.2023
(73) Ecotray Packaging B.V.	(11) EP2741627	(51) B29C 73/26
(11) 2018522	(00) 16.06.2023	G01M 17/02
(00) 16.06.2023	(51) A41D 13/12	(00) Change of owner(s) name
(51) B65B 7/16	A41D 27/10	(71) K-fee System GmbH
B29C 65/00	A41D 31/00	(73) K-fee System GmbH
B29C 65/02	(00) Change of Legal Entity	(11) EP3226727
B29C 65/74	(71) Cellcontrol, Inc.	(00) 07.06.2023
B65B 5/02	(73) Cellcontrol, Inc.	(51) A47J 31/36
B65B 31/04	(11) EP2995006	A47J 31/44
B65B 47/04	(00) 16.06.2023	(00) Assignment
B65B 51/14	(51) G06F 3/02	(71) Universiteit Twente
(00) Assignment	H04B 1/034	(73) Universiteit Twente
(71) VERSALIS S.p.A.	H04B 1/18	(11) EP2849663
(73) VERSALIS S.p.A.	H04R 3/00	(00) 15.06.2023
(11) EP2588603	H04W 4/04	(51) A61B 17/70
(00) 26.06.2023	H04W 48/04	(00) Assignment
(51) C07K 14/435	H04W 76/02	(71) ZYDUS LIFESCIENCES LIMITED
C12N 9/42	H04W 84/12	(73) ZYDUS LIFESCIENCES LIMITED
(00) Assignment	H04W 84/18	(11) EP2935221
(71) SIGNIFY HOLDING B.V.	H04W 4/00	(00) 13.06.2023
(73) SIGNIFY HOLDING B.V.	H04W 4/02	(51) A61K 31/4365

A61K 31/437	FUJIFILM CORPORATION	(51) C12N 9/24
A61K 31/4375	(11) EP3228709	C12R 1/645
A61K 31/4704	(00) 20.06.2023	(00) Assignment
A61K 31/4709	(51) C07K 1/14	(71) VERSALIS S.p.A.
A61K 31/4985	C07K 14/705	(73) VERSALIS S.p.A.
A61K 31/519	C07K 17/00	(11) EP3202900
C07D 215/58	C12N 7/02	(00) 26.06.2023
C07D 215/60	C12N 15/09	(51) C12N 9/24
C07D 401/04	G01N 33/53	C12P 19/02
C07D 401/12	(00) Assignment	(00) Assignment
C07D 413/04	(71) Seabased Limited	(71) UBE Corporation
C07D 417/12	(73) Seabased Limited	(73) UBE Corporation
C07D 471/04	(11) EP2649302	(11) EP2264009
C07D 491/04	(00) 16.06.2023	(00) 20.06.2023
(00) Change of owner(s) name	(51) F03B 13/18	(51) A61K 31/4439
(71) VERSALIS S.p.A.	H02M 7/10	A61K 31/444
(73) VERSALIS S.p.A.	(00) Assignment	A61K 31/501
(11) EP2917359	(71) VERSALIS S.p.A.	A61K 31/506
(00) 26.06.2023	(73) VERSALIS S.p.A.	A61P 11/00
(51) C12P 19/02	(11) EP2917354	A61P 11/06
C12P 19/14	(00) 26.06.2023	A61P 19/00
(00) Assignment	(51) C12P 1/00	A61P 43/00
(71) VERSALIS S.p.A.	C12P 19/14	C07D 213/74
(73) VERSALIS S.p.A.	(00) Assignment	C07D 401/14
(11) EP2588494	(71) IFF US Holding, LLC	C07D 405/14
(00) 26.06.2023	(73) IFF US Holding, LLC	C07D 409/14
(51) C07K 14/37	(11) EP3180425	C07D 417/12
C12N 9/24	(00) 14.06.2023	C07D 417/14
C12N 9/42	(51) C12N 9/16	(00) Change of owner(s) name
C12N 15/82	C12N 15/10	(71) University College London
C12P 19/02	C12N 15/113	BioMarin Pharmaceutical Inc.
(00) Assignment	(00) Change of owner(s) name	St. Jude Children's Research Hospital
(71) IFF US Holding, LLC	(71) WORG PHARMACEUTICALS	(73) University College London
(73) IFF US Holding, LLC	(ZHEJIANG) CO., LTD.	BioMarin Pharmaceutical Inc.
(11) EP3215611	(73) WORG PHARMACEUTICALS	St. Jude Children's Research Hospital
(00) 14.06.2023	(ZHEJIANG) CO., LTD.	(11) EP3044231
(51) C12N 9/22	(11) EP2924047	(00) 13.06.2023
C12N 15/62	(00) 14.06.2023	(51) A61K 48/00
(00) Change of owner(s) name	(51) A61K 39/35	C07K 14/755
(71) VERSALIS S.p.A.	A61K 39/36	C12N 15/86
(73) VERSALIS S.p.A.	C07K 14/415	(00) Assignment
(11) EP3250698	C07K 19/00	(71) VERSALIS S.p.A.
(00) 26.06.2023	(00) Change of owner(s) name	(73) VERSALIS S.p.A.
(51) C12P 7/06	(71) CTSC HOLDING B.V.	(11) EP2943577
C12P 7/46	(73) CTSC HOLDING B.V.	(00) 26.06.2023
(00) Assignment	(11) 2027197	(51) C12P 19/02
(71) Ocean Holding Oddevold AB	(00) 21.06.2023	C12P 19/14
(73) Seabased Limited	(51) B66C 13/12	C13K 1/02
(11) EP2649302	B66C 19/00	(00) Assignment
(00) 16.06.2023	(00) Assignment	(71) Vyair Medical 207, Inc.
(51) F03B 13/18	(71) Nobel Biocare Services AG	(73) Vyair Medical 211, Inc.
H02M 7/10	(73) Nobel Biocare Services AG	(11) EP2844322
(00) Change of owner(s) name	(11) EP2865354	(00) 23.06.2023
(71) VERSALIS S.p.A.	(00) 09.06.2023	(51) A61M 16/06
(73) VERSALIS S.p.A.	(51) A61C 8/00	A61M 16/08
(11) EP3250697	(00) Assignment	(00) Change of owner(s) name
(00) 26.06.2023	(71) Tronox LLC	(71) Vyair Medical 211, Inc.
(51) C12N 1/14	(73) Tronox LLC	(73) Vyair Medical 211, Inc.
C12P 7/00	(11) EP2841384	(11) EP2844322
C12P 7/04	(00) 15.06.2023	(00) 23.06.2023
C12P 7/06	(51) C01G 23/07	(51) A61M 16/06
C12P 7/10	C09C 1/36	A61M 16/08
C12R 1/645	(00) Assignment	(00) Merge
(00) Assignment	(71) VERSALIS S.p.A.	(71) DuPont US Holding, LLC
(71) Osaka University	(73) VERSALIS S.p.A.	(73) IFF US Holding, LLC
FUJIFILM CORPORATION	(11) EP3447136	(11) EP3215611
(73) Osaka University	(00) 26.06.2023	(00) 14.06.2023

(51) C12N 9/22	H04W 52/02	(71) IFF US Holding, LLC
C12N 15/62	H04W 88/06	(73) IFF US Holding, LLC
(00) Assignment	H04W 4/80	(11) EP3597740
(71) Droplette Inc.	(00) Assignment	(00) 14.06.2023
(73) Droplette Inc.	(71) Smeva Group B.V	(51) C12N 9/22
(11) EP3302658	(73) Smeva Group B.V	C12N 15/62
(00) 13.06.2023	(11) 2028619	(00) Change of owner(s) name
(51) A61M 11/00	(00) 16.06.2023	(71) Micronit Holding B.V.
A61M 15/00	(51) A47F 3/04	Enzyre B.V.
A61M 35/00	(00) Assignment	(73) Micronit Holding B.V.
B05B 11/00	(71) Hangzhou Bioer Technology Co., Ltd.	Enzyre B.V.
B05B 17/00	(73) Hangzhou Bioer Technology Co., Ltd.	(11) 2027544
(00) Assignment	(11) EP3227023	(00) 16.06.2023
(71) Novopyxis Inc.	(00) 20.06.2023	(51) B01L 3/00
(73) Droplette Inc.	(51) B01F 3/08	G01N 1/00
(11) EP3302658	B01F 5/06	(00) Assignment
(00) 13.06.2023	B01F 13/00	(71) NFS IP Holdings, LLC
(51) A61M 11/00	B01F 15/02	(73) NFS IP Holdings, LLC
A61M 15/00	B01L 3/00	(11) EP3125959
A61M 35/00	C12Q 1/6806	(00) 14.06.2023
B05B 11/00	(00) Assignment	(51) A61L 17/08
B05B 17/00	(71) LG Energy Solution, Ltd.	(00) Assignment
(00) Change of owner(s) name	(73) LG Energy Solution, Ltd.	(71) BMZ Germany GmbH
(71) VERSALIS S.p.A.	(11) EP3671929	(73) BMZ Germany GmbH
(73) VERSALIS S.p.A.	(00) 21.06.2023	(11) EP3660942
(11) EP2917355	(51) H01M 10/04	(00) 14.06.2023
(00) 26.06.2023	H01M 10/0525	(51) B62K 1/00
(51) C12P 1/00	H01G 11/86	H01M 2/10
C12P 19/14	H01G 11/12	H01M 10/04
(00) Assignment	H01M 10/0583	B62M 6/90
(71) LG Energy Solution, Ltd.	H01M 50/46	(00) Change of owner(s) name
(73) LG Energy Solution, Ltd.	(00) Change of owner(s) name	(71) VERSALIS S.p.A.
(11) EP3348582	(71) UBE Corporation	(73) VERSALIS S.p.A.
(00) 21.06.2023	(73) UBE Corporation	(11) EP3318574
(51) B82Y 30/00	(11) EP2883592	(00) 26.06.2023
B82Y 40/00	(00) 20.06.2023	(51) C12N 9/42
C08C 19/02	(51) B01D 53/22	C12N 15/82
C08K 3/04	B01D 63/02	C12P 19/02
C08L 15/00	(00) Change of owner(s) name	C12P 19/14
C09D 109/02	(71) VERSALIS S.p.A.	(00) Assignment
H01M 4/04	(73) VERSALIS S.p.A.	(71) GERGONNE INDUSTRIE
H01M 4/36	(11) EP2486139	(73) GERGONNE INDUSTRIE
H01M 4/62	(00) 26.06.2023	(11) EP3295909
H01M 4/13	(51) C12P 7/10	(00) 14.06.2023
C01B 32/174	C12P 19/02	(51) A61F 13/00
(00) Change of owner(s) name	C12P 19/14	A61F 13/02
(71) IMMUNOMEDICS, INC.	(00) Assignment	(00) Merge
(73) IMMUNOMEDICS, INC.	(71) Horizon Therapeutics USA, Inc.	(71) Simon Thijs
(11) EP3912643	(73) Horizon Therapeutics USA, Inc.	(73) Simon Thijs
(00) 26.06.2023	(11) EP3321359	(11) 2028566
(51) A61K 47/68	(00) 20.06.2023	(00) 13.06.2023
A61P 35/00	(51) C12N 9/06	(51) A61K 9/70
(00) Change of owner(s) name	A61K 47/60	(00) Assignment
(71) Snap Inc.	(00) Merge	(71) VERSALIS S.p.A.
(73) Snap Inc.	(71) Industrialisation des Recherches sur les	(73) VERSALIS S.p.A.
(11) EP2425291	Procédés et les Applications du Laser	(11) EP3209787
(00) 23.06.2023	(Société Coopérative d'Intérêt Collectif)	(00) 26.06.2023
(51) G02B 5/02	(73) Industrialisation des Recherches sur les	(51) C12P 19/02
G02B 27/42	Procédés et les Applications du Laser	C12P 19/14
G02B 27/01	(Société Coopérative d'Intérêt Collectif)	C13K 1/02
(00) Assignment	(11) EP2615486	C12P 7/10
(71) Infineon Technologies AG	(00) 14.06.2023	C13K 13/00
(73) Infineon Technologies AG	(51) G02B 27/09	(00) Assignment
(11) EP3322100	G02B 6/00	(71) VERSALIS S.p.A.
(00) 13.06.2023	H01S 3/00	(73) VERSALIS S.p.A.
(51) H04B 5/00	B23K 26/06	(11) EP3640336
H04W 36/00	(00) Change of Legal Entity	(00) 26.06.2023

(51) C12P 7/04  
C12P 7/06  
C12P 7/10  
(00) Assignment

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(71) Ecotray Packaging B.V.  
(73) Ecotray Packaging B.V.  
(11) EP3466654  
(00) 16.06.2023  
(51) B29C 65/74  
B65B 31/04  
B65B 51/14  
B65B 7/16  
B29C 65/00  
B29C 65/02  
B65B 5/02  
B65B 47/04  
(00) Assignment

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(71) VERSALIS S.p.A.  
(73) VERSALIS S.p.A.  
(11) EP3686280  
(00) 26.06.2023  
(51) C12N 9/24  
C12R 1/645  
(00) Assignment

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(71) Smeva Group B.V.  
(11) 2032359  
(00) 16.06.2023  
(51) A47F 3/04  
(00) Assignment

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(71) EPD TECHNOLOGY LTD.  
(73) EPD TECHNOLOGY LTD.  
(11) EP2867554  
(00) 08.06.2023  
(51) F16D 7/02  
B27B 5/32  
(00) Assignment

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(71) Siemens Electronic Design Automation GmbH  
(73) Siemens Electronic Design Automation GmbH  
(11) EP3642637  
(00) 14.06.2023  
(51) G06F 30/33  
G06F 30/3323  
G01R 31/3183  
(00) Assignment

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(71) Clinomic Medical GmbH  
(73) Clinomic Medical GmbH  
(11) EP3940692  
(00) 30.05.2023  
(51) G10L 13/02  
G10L 15/25  
G06K 9/00  
(00) Change of owner(s) name

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**TVH**

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

**UP1**

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

## **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).**