



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding**Hoofdblad**

Het Hoofdblad de Industriële Eigendom verschijnt iedere donderdag op de website van het Octrooicentrum Nederland.

Bezoekadres: Octrooicentrum Nederland

Prinses Beatrixlaan 2

2595 AL Den Haag

Postadres:

Postbus 10366

2501 HJ Den Haag

Telefoon: 088-0424002

Bankrekeningnummer:

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Introduction**Patent Bulletin**

The Patent Bulletin appears every Thursday on the Netherlands Patent Office website.

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Prinses Beatrixlaan 2

2595 AL Den Haag

Postadress:

Post Office Box 10366

2501 HJ Den Haag

Telephone: +31(0)88 0424002

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Inhoudsopgave	Content	Blz./Page
Rubriek NP1 Nederlandse octrooiaanvragen die zijn ingeschreven ex Rijksoctrooiwet 1995.	Heading NP1 Netherlands patent applications which have been entered in the patent register ex NL Patent Law 1995.	8
Rubriek NP2 Ingeschreven en verleende Nederlandse octrooien ex Rijksoctrooiwet 1995.	Heading NP2 Netherlands patents which have been entered in the patent register ex NL Patent Law 1995.	13
Rubriek NP3 Nederlandse octrooien na gedeeltelijke afstand ex artikel 63 van de Rijksoctrooiwet 1995.	Heading NP3 Netherlands patents after partial limitation ex Article 63 of the NL Patent Law 1995.	17
Rubriek EP1 Vertaalde conclusies van Europese octrooiaanvragen.	Heading EP1 Translations of the claims of European patent applications.	18
Rubriek EP2 Voor Nederland verleende Europese octrooien.	Heading EP2 European patents granted for the Netherlands.	19
Rubriek EP3 Voor Nederland verleende Europese octrooien waarvoor een vertaling is ingediend ex artikel 52 lid 1 van de Rijksoctrooiwet 1995.	Heading EP3 European patents granted for the Netherlands in which a translation was filed ex Article 52 par. 1 of the NL Patent Law 1995.	233
Rubriek EP4 Voor Nederland verleende gewijzigde Europese octrooien.	Heading EP4 European patents granted in amended form for the Netherlands.	253
Rubriek EP5 Voor Nederland verleende gewijzigde Europese octrooien waarvoor een gewijzigde vertaling is ingediend ex artikel 52 lid 6 van de Rijksoctrooiwet 1995.	Heading EP5 European patents granted in amended form for the Netherlands in which an amended translation was filed ex Article 52 par. 6 of the NL Patent Law 1995.	254

Rubriek SPC Aangevraagde en verleende aanvullende beschermingscertificaten (of de verlengingen van de aanvullende beschermingscertificaten).	Heading SPC Applications and granted Supplementary Protection Certificates (or the extensions of the Supplementary Protection Certificates).	255
Rubriek VB1 Herstelverzoeken, bezwaarschriften, beroepschriften of hoger beroepschriften ingediend ex Rijksoctrooiwet 1995. Oppositie(s) ingediend ex Europees Octrooiverdrag.	Heading VB1 Requests for restoration and notices of objection, notices of objection to Court, notices of objection to appellate court ex NL Patent Law 1995. Opposition(s) filed ex European Patent Convention.	256
Rubriek VB2 Beslissingen genomen op herstelverzoeken, bezwaarschriften, beroepschriften of hoger beroepschriften ex Rijksoctrooiwet 1995. Oppositie(s) beslissingen ex Europees Octrooiverdrag.	Heading VB2 Requests for restoration and notices of objection, notices of objection to Court, notices of objection to appellate court ex NL Patent Law 1995 in respect of which a decision has been taken. Oppositon(s) decisions ex European Patent Convention.	257
Rubriek MED Overige mededelingen.	Heading MED Other communications.	259
Rubriek VRV Verval of nietigverklaring.	Heading VRV Lapse or annulment.	260
Rubriek VRB Correcties op eerdere publicaties.	Heading VRB Corrections on earlier publications.	286
Rubriek CO Wijzigingen in het Nederlands Octrooiregister.	Heading CO Changes in the Netherlands Patent Register.	287
Rubriek TVH Topografieën van halfgeleiderproducten.	Heading TVH Depots of topographies of semi-conductor products.	291

Rubriek UP1 Europese octrooien met geregistreerde eenheidswerking.	Heading UP1 European patents with registered Unitary Effect.	292
Rubriek UP2 Europese octrooien met geregistreerd verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie).	Heading UP2 European patents with registered request ex Article 52a NL Patent Law 1995 (restoration of validation right).	298
Rubriek UP3 Europese octrooien met een geaccepteerd verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie) en complete validatie.	Heading UP3 European patents with accepted ex Article 52a NL Patent Law 1995 (restoration of validation right) and validation completed.	299
Rubriek UP4 Europese octrooien met een geaccepteerd verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie) en geen complete validatie.	Heading UP4 European patents with accepted request ex Article 52a NL Patent Law 1995 (restoration of validation right) and incomplete validation.	300
Rubriek UP5 Europese octrooien met een afgewezen verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie).	Heading UP5 European patents with rejected request ex Article 52a NL Patent Law 1995 (restoration of validation right).	301
Rubriek UP6 Europese octrooien met een ingetrokken verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie).	Heading UP6 European patents with withdrawn request ex Article 52a NL Patent Law 1995 (restoration of validation right).	302
Rubriek Orde van Octrooigemachtigden Inschrijvingen en uitschrijvingen ex art. 27 lid 5 Uitvoeringsbesluit van de Rijksoctrooiwet 1995.	Heading Netherlands Institute of Patent Attorneys Registrations and deregistrations ex Article 27 par. 5 Patent Rules of the NL Patent Law 1995.	303

Overzicht van Inid codes

INID CODES

"INID" codes worden gebruikt op het voorblad van octrooigeschriften en in octrooibulletins. INID is een acronym van Internationally agreed Numbers for the Identification of Data. De definities van INID codes worden gegeven in WIPO standaard ST. 9 (situatie van juni 2023) en staan hieronder weergegeven.

- (11) Octrooinummer
- (13) Soort document volgens WIPO standaard ST.16
- (15) Informatie over correctie van het octrooi
- (21) Octrooiaanvraagnummer
- (22) Datum (datums) van indiening van de aanvra(a)g(en)
- (23) Overige datums
- (25) Taal waarin de gepubliceerde aanvraag oorspronkelijk werd ingediend
- (26) Taal waarin de aanvraag is gepubliceerd
- (30) Voorranggegevens
- (31) Nummer(s) toegekend aan de voorrangsaanvra(a)g(en)
- (32) Datum (datums) van indiening van de voorrangsaanvra(a)g(en)
- (33) WIPO Standard ST.3 code die het land van herkomst identificeert dat het nummer van de voorrangsaanvraag toekent; voor internationale octrooiaanvragen die onder de PCT worden ingediend, wordt de code "WO" gebruikt.
- (34) Voor indieningen van voorrangsaanvragen onder de regionale of internationale regelingen, duidt de WIPO Standard ST.3 code ten minste één land aan dat is aangesloten bij het Unieverdrag van Parijs waarvoor de regionale of internationale aanvraag werd ingediend (het oorspronkelijke land van indiening).
- (40) Datum (datums) van inschrijving van de aanvraag.
- (41) Datum van inschrijving van een niet onderzochte en niet verleende octrooiaanvraag
- (42) Datum van inschrijving van een onderzochte octrooiaanvraag.

INID CODES

"INID" Codes are used on the front pages of patent documents and in official gazettes. "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 June 2023) 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 the application(s)
- (23) Other date(s)
- (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 identifying 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 filings 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.

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| <p>(43) Datum waarop de octrooiaanvraag is gepubliceerd.</p> <p>(44) Datum van publicatie van een onderzochte octrooiaanvraag die nog niet verleend is.</p> <p>(45) Datum waarop het octrooigeschrift is uitgegeven.</p> <p>(47) Datum van verlening van het octrooi.</p> <p>(48) Datum waarop een correctie van een octrooi is uitgegeven.</p> <p>(51) Internationale Octrooi classificatie</p> <p>(54) Korte aanduiding</p> <p>(62) Nummer en indien mogelijk, de indieningsdatum van de eerdere (octrooi) aanvraag waarvan de voorliggende (octrooi) aanvraag is afgesplitst.</p> <p>(68) Nummer van het basisoctrooi behorende bij het ABC.</p> <p>(71) Na(a)m(en) van de aanvrager(s)</p> <p>(72) Na(a)m(en) van de uitvinder(s) indien ze als zodanig bekend zijn</p> <p>(73) Na(a)m(en) van de octrooihouder(s)</p> <p>(74) Na(a)m(en) van de gemachtigde(n)</p> <p>(75) Na(a)m(en) van uitvinder(s) die tevens aanvrager(s) zijn</p> <p>(81) Aangewezen landen volgens de PCT</p> <p>(83) Informatie over depots van micro-organismen</p> <p>(84) Aangewezen landen bij regionale octrooien</p> <p>(92) Nummer en datum van de eerste nationale vergunning voor een ABC voor een geneesmiddel of gewasbeschermingsmiddel.</p> <p>(93) Nummer en datum (en indien van toepassing land van oorsprong) van de eerste EU vergunning voor een ABC voor een geneesmiddel of gewasbeschermingsmiddel.</p> <p>(94) Berekende expiratedatum van het ABC.</p> <p>(95) Het product beschermd door het basisoctrooi en waarvoor (de verlenging van) het ABC is aangevraagd of verleend.</p> | <p>(43) Date of making available to the public by printing or similar process of an unexamined patent document, on which no grant has taken place on or before the said date.</p> <p>(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.</p> <p>(45) Date of making available to the public by printing or similar process of a patent document on which grant has taken place on or before the said date.</p> <p>(47) Date of making available to the public by viewing, or copying on request, a patent document on which grant has taken place on or before the said date.</p> <p>(48) Date of issuance of a corrected patent document.</p> <p>(51) International Patent Classification</p> <p>(54) Title of the invention</p> <p>(62) Number and, if possible, filing date of the earlier application from which the present document has been divided out.</p> <p>(68) For an SPC, number of the basic patent and/or, where appropriate, the publication number of the patent document.</p> <p>(71) Name(s) of the applicant(s)</p> <p>(72) Name(s) of the inventor(s) if known to be such</p> <p>(73) Name(s) of grantee(s), holder(s), assignee(s) or owner(s)</p> <p>(74) Name(s) of the attorney(s) or agent(s)</p> <p>(75) Name(s) of inventor(s) who is (are) also applicant(s)</p> <p>(81) Designated States(s) according to the PCT</p> <p>(83) Information concerning the deposit of microorganisms</p> <p>(84) Designated Contracting States under regional patent conventions</p> <p>(92) For an SPC, number and date of the first national authorization to place the product on the market as a medicinal product or plant protection product.</p> <p>(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 or plant protection product within a regional economic community.</p> <p>(94) Calculated date of expiry of the SPC or the duration of the SPC.</p> <p>(95) The product protected by the basic patent and in respect of which the SPC or the extension of the SPC has been applied for or granted.</p> |
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Rubrieken/Headings

NP1

Nederlandse octrooiaanvragen die zijn ingeschreven ex Rijksoctrooiwet 1995. Netherlands patent applications which have been entered in the patent register ex NL Patent Law 1995.

(51) A01D 101/00	A23C 19/06	(51) A61B 5/0507
A01D 34/835	A23L 27/24	(21) 2035479
(21) 1044909	(21) 2037564	(22) 26.07.2023
(22) 03.07.2024	(22) 26.04.2024	(54) IMAGING SYSTEM AND METHOD
(54) A REMOTE-CONTROLLED	(54) Cell-Free Extract, Enzyme System, and	(71) STEF Med Tech Holding B.V.
LAWNMOWER WITH A MESH	Application of Cell-Free Extract and	(74) ir. J.C. Volmer c.s.
SUPPORT AND A BUCKET ON TOP	Enzyme System in Enzyme-Modified	(72) Tijs Frans Teepen
THAT COLLECTS THE GRASS	Cheese	Sander Baltussen
(71) Jáchym Pekař	(71) Hunan Agricultural University	(41) 10.02.2025
(72) Jáchym Pekař	(74) A. Rivière	(51) A61F 5/02
(51) A01H 4/00	(72) Yuan Li	(21) 2035464
A01N 3/00	Ke Fan	(22) 25.07.2023
(21) 2037673	Yang Luo	(54) Orthosis device, configured to provide
(22) 13.05.2024	Jie Luo	temporary support during a load transfer
(54) ARTEMISIA ANNUA IN-VITRO	Yan Zhao	activity by a user
PRESERVATION METHOD	Yixuan Li	(71) Universiteit Twente
(71) GUANGXI BOTANICAL GARDEN OF	Hao Zhang	(74) ir. A. Blokland c.s.
MEDICINAL PLANTS	Pengjie Wang	(72) Hanna Rosalie de Zeeuw
(74) dr. J. van Straaten	Qingwu Shen	Malte Asseln
(72) Zhuoqiu Qiu	Hui Zhou	Daan Frank Legters
Qianping Chen	Ran Wang	(41) 06.02.2025
Ming Lei	Huiyuan Guo	(51) A61K 39/395
Juan Huo	(41) 11.02.2025	A61P 11/06
Ya Qin	(31) 2023109340690	A61P 37/08
Shixin Feng	(32) 27.07.2023	A61K 9/08
Zhanjiang Zhang	(33) China	(21) 2037761
Cui Li	(51) A24F 1/28	(22) 23.05.2024
Lingyun Wan	(21) 1044651	(54) NEW USES OF OMALIZUMAB
Ying Wei	(22) 27.07.2023	(71) Genentech, Inc.
Linxuan Li	(54) Inrichting voor het door een gebruiker	Novartis AG
Limei Pan	inzuigen van damp van bijvoorbeeld	(74) dr. R.C. van Duijvenbode c.s.
Shugen Wei	cannabis, omvattende concentrisch met	(72) Maria Chaikou
(31) 2023109389940	elkaar te koppelen onderdelen	Mathieu Paul-Léon Rigollet
(32) 28.07.2023	(71) I-nvention B.V.	(31) 23188544.3
(33) China	(74) ir. A. Blokland c.s.	24171754.5
(51) A01K 5/01	(72) Menno Contant	(32) 28.07.2023
A01K 7/02	Michel Johannes Hendrikus Schlärman	22.04.2024
(21) 2035495	(41) 10.02.2025	(33) European Patent Office (EPO)
(22) 27.07.2023	(51) A43B 3/10	European Patent Office (EPO)
(54) WATER TROUGH FOR ANIMALS	A43B 3/24	(51) A61M 25/01
(71) INSTITUTE OF ANIMAL SCIENCES,	(21) 2035510	(21) 2039519
XINJIANG ACADEMY OF ANIMAL	(22) 31.07.2023	(22) 30.12.2024
SCIENCES	(54) OPROLBARE VOETSLIPPER	(54) CATHETER DEVICE FOR
(74) ir. M.B. Plaggenborg	(71) Esther Hamburger	INTERVENTIONAL SURGERY OF
(72) Yicheng Ma	(74) dr. G. Visser-Luirink	CEREBROVASCULAR DISEASE IN
Zhenyong Zhou	(72) Esther Hamburger	NEUROSURGERY
Dong Yuan	(41) 11.02.2025	(71) The Second Hospital, University of South
Xiangmin Yan	(51) A45C 11/32	China
Tianxiang Chen	(21) 2035485	(74) ir. W.J.J.M. Kempes
Fanrong Cui	(22) 26.07.2023	(72) Bing Wang
Denglin Hu	(54) KEY HOLDING DEVICE	Wentao Fan
Lixing Yuan	(71) Secrid B.V.	Yuanding Jiang
Zhibing Ye	(74) drs. W.H.P. Derks	Yonghong Duan
Hongbo Li	(72) Matisse Christopher Benjamin de Jong	Jian He
(41) 10.02.2025	Willemijn Lianne Verduijn	Shenghua Cui
(51) A23C 19/032	John William Spaven	Huixiu Liu
	Anne Lie Ing Yap	Richu Liang

Min Zhou	(72) Harry Bernhard Beukema	China Railway Construction Bridge
Jie Luo	(41) 06.02.2025	Engineering Bureau Group Fourth
Ting Tang	(51) B23B 51/04	Engineering Co., Ltd
(31) 2024225623299	B23B 31/113	China Railway Construction Bridge
(32) 23.10.2024	(21) 2035504	Engineering Group Co., Ltd
(33) China	(22) 31.07.2023	(74) ir. M.B. Plaggenborg
(51) A61M 25/01	(54) Rotary tool and implement	(72) Pengzhi Zhang
A61B 1/005	(71) Intermetaal I.E. B.V.	Jian Zhao
(21) 2035502	(74) ir. B.Ch. Ledeboer c.s	Luming An
(22) 28.07.2023	(72) Richard Alexander Boske	Lei Wang
(54) BENDABLE TUBE WITH PATH LENGTH	(51) B29D 35/12	Xianhe Xu
COMPENSATION OF STEERING	B29K 83/00	Peng Guo
WIRES	B29C 51/26	Shouwen Shi
(71) Fortimedix Assets II B.V.	B29C 51/10	Meiyu Chen
(74) dr. R.C. van Duijvenbode c.s.	A43B 13/04	Lianjing Zhao
(72) Mattheus Hendrik Louis Thissen	B29C 35/02	Liqian Yu
(41) 11.02.2025	B29K 75/00	(51) C01G 37/14
(51) A61M 25/01	B29K 105/06	(21) 2035462
A61B 34/30	B29L 31/50	(22) 25.07.2023
(21) 2035501	(21) 2035490	(54) PREPARATION METHOD AND
(22) 28.07.2023	(22) 27.07.2023	APPLICATION OF BREATHING
(54) STEERABLE INSTRUMENT WITH	(54) A MACHINE FOR CONTINUOUSLY	PYROCHLORE CERAMIC MATERIAL
STEERING UNIT	PRODUCING MOULDED PRODUCTS	LiInCr4O8
(71) Fortimedix Assets II B.V.	(71) WHAT THE FUTURE B.V.	(71) Hefei University
(74) dr. R.C. van Duijvenbode c.s.	(74) ir. M. Cramwinckel	(74) ir. M.B. Plaggenborg
(72) Mattheus Hendrik Louis Thissen	(72) Edmund David Aufenfast	(72) Yanfei Xiong
(41) 11.02.2025	(41) 10.02.2025	Yu Xie
(51) A63G 27/00	(51) B65D 51/16	Jian Bian
(21) 2035513	(21) 1044652	Hui Liu
(22) 31.07.2023	(22) 27.07.2023	Yang Yu
(54) VERBETERD MOBIEL REUZENRAD	(54) AIRTIGHT CONTAINER WITH A	Hao Zu
ZONDER HOOFDAS EN WERKWIJZE	UNIDIRECTIONAL EXHAUST VALVE	Yuan Feng
VOOR HET OPBOUWEN VAN HET	(71) Jui-Te Wang	(51) C07K 16/28
REUZENRAD	(74) drs. O. Griebeling	A61K 35/37
(71) K.I.G. HEERENVEEN B.V.	(72) Jui-Te Wang	C12N 5/074
(74) drs. C.H. Mink-Lindenburg	(41) 10.02.2025	(21) 2035481
(72) Hette Knijpstra	(51) B65G 17/34	(22) 26.07.2023
(41) 11.02.2025	(21) 1044649	(54) Single-chain variable fragment of anti-
(51) B01J 7/00	(22) 25.07.2023	integrin antibodies
B01J 19/14	(54) Inrichting voor het verplaatsen van een	(71) Koninklijke Nederlandse Akademie van
C06D 5/06	voorwerp langs een transportweg en	Wetenschappen
(21) 2035489	het op een uitwerplocatie via de zijkant	(74) ir. A. Blokland c.s.
(22) 27.07.2023	uitwerpen ervan	(72) Johannes Carolus Clevers
(54) EFFICIENT THERMAL PROTECTION	(71) Ruben Lafarre	Willibrordus Barend Maria de Lau
FOR A GAS GENERATOR	Eric Arnoldus Wilhelmus Adriana Willems	(41) 10.02.2025
(71) HDES Service & Engineering B.V.	(72) Eric Arnoldus Wilhelmus Adriana Willems	(51) C08J 11/08
(74) ir. B.Ch. Ledeboer c.s	Ruben Lafarre	(21) 2035483
(72) Armanda Thea Hogedoorn	(41) 06.02.2025	(22) 26.07.2023
Sigurd Ravnán	(51) B66C 19/00	(54) A process for recycling a polyolefin
Hubertus Marie Sanders	(21) 2035484	containing waste material stream and an
(51) B09B 1/00	(22) 26.07.2023	apparatus suitable therefor
B09B 3/32	(54) container crane	(71) SPEX Technology B.V.
C02F 11/12	(71) Itrec B.V.	(74) ir. J.C. Volmer c.s.
C02F 11/00	(74) ir. J.C. Volmer c.s.	(72) Hendricus Franciscus Zirkzee
C04B 28/26	(72) Joop Roodenburg	Blandikus Catharikus Jaspers
E02D 31/00	Mike van Wingerden	(41) 10.02.2025
C09K 3/10	(41) 10.02.2025	(51) C08L 97/02
B09B 3/25	(51) B66C 23/20	C08G 65/38
(21) 2035468	E01D 21/00	C08J 5/04
(22) 25.07.2023	(21) 2039452	(21) 1044654
(54) SEALING COMPOSITION FOR A	(22) 20.12.2024	(22) 28.07.2023
WASTE DISPOSAL AND/OR LANDFILL,	(54) GIRDER CRANE FOR ERECTING	(54) Biocomposiet materiaal geproduceerd
METHOD FOR MANUFACTURING SAID	FLEXIBLE BRIDGE	door biosynthese in een polymeerreactie
SEALING COMPOSITION, AND USE OF	(71) China Railway Construction Bridge	met NaOH als katalysator
SAID SEALING COMPOSITION.	Engineering Bureau Group Southern	(71) Robert Pradeep Kumar Mohansingh
(71) Euro Trust Management B.V.	Engineering Co., Ltd	(72) Robert Pradeep Kumar Mohansingh
(74) dr. ir. G.J.C. Verdijck c.s.		(41) 11.02.2025

(51) C12N 1/20 A23L 33/135 A61K 35/744 A61P 3/10 A61K 45/06 (21) 2036479 (22) 11.12.2023 (54) LACTICASEIBACILLUS RHAMNOSUS AND APPLICATION IN PREPARING PRODUCTS FOR TREATING TYPE 2 DIABETES MELLITUS (71) Thankcome Biological Science and Technology (Suzhou) Co., Ltd. (74) dr. T. Wittop Koning PhD (72) Yang Liu Yang Yu Haixia Wen Xueping Yu Xin Ma (31) 202310936361.6 (32) 28.07.2023 (33) China	(22) 31.07.2023 (54) STRUCTURE FOR RAPIDLY SPLICING PREFABRICATED BENT CAP, PREFABRICATED PIER, AND PILE CAP (71) Fujian University of Technology YONGFU CONSTRUCTION ENGINEERING GROUP CO., LTD. Fujian Minsheng Construction Engineering Co., Ltd. Haoyao Times (Fujian) Group Co., Ltd. Fuzhou Jingyan Engineering Technology Co., Ltd. (74) ir. M.B. Plaggenborg (72) Jinbing Zhao Botao Ni Shangshun Lin Xin Lin Yongjie Lin Wenxiang Wang Yulian Lin (41) 11.02.2025	Yanlei Huo Chang Liu
(51) C12N 1/20 C12R 1/225 A23L 33/135 A61P 1/16 A61K 35/744 (21) 2036411 (22) 04.12.2023 (54) LACTICASEIBACILLUS RHAMNOSUS AND ITS APPLICATION IN PREVENTING OR TREATING ALCOHOLIC LIVER DISEASE (71) Thankcome Biological Science and Technology (Suzhou) Co., Ltd. (74) dr. T. Wittop Koning PhD (72) Xin Ma Haixia Wen Yang Yu Xueping Yu (31) 202310936348.0 (32) 28.07.2023 (33) China	(51) E01D 21/00 (21) 2035512 (22) 31.07.2023 (54) CONNECTING STRUCTURE FOR WET JOINT BETWEEN PREFABRICATED BEAMS (71) Fujian Transportation Research Institute Co., Ltd. YONGFU CONSTRUCTION ENGINEERING GROUP CO., LTD. Fuzhou Jingyan Engineering Technology Co., Ltd. Fujian University of Technology Haoyao Times (Fujian) Group Co., Ltd. (74) ir. M.B. Plaggenborg (72) Dequan You Jinbing Zhao Wenxiang Wang Xin Lin Shangshun Lin Yulian Lin Jianshuai Zhang Jianfan Lin (41) 11.02.2025	(51) E02B 15/10 B63B 35/32 (21) 2035467 (22) 25.07.2023 (54) Method for removing oil that floats on water, unmanned aerial vehicle. (71) RPower Oceans Holding B.V. (74) ir. A. Blokland c.s. (72) Anna Wilhelmina Elizabeth Zijlemans (41) 10.02.2025
(51) E01D 2/04 (21) 2035516 (22) 31.07.2023 (54) COMPOSITE BOX GIRDER STRUCTURE (71) Fujian University of Technology Fuzhou Jingyan Engineering Technology Co., Ltd. Fujian Transportation Research Institute Co., Ltd. Haoyao Times (Fujian) Group Co., Ltd. YONGFU CONSTRUCTION ENGINEERING GROUP CO., LTD. (74) ir. M.B. Plaggenborg (72) Bangchong Ji Jinbing Zhao Shangshun Lin Xin Lin Jianfan Lin Wenxiang Wang Yulian Lin (41) 11.02.2025	(51) E01D 21/00 (21) 2039517 (22) 29.12.2024 (54) HYDRAULIC SPREADER SUITABLE FOR VARIOUS STEEL BEAM SEGMENTS (71) China Railway Construction Bridge Engineering Bureau Group Southern Engineering Co., Ltd China Railway Construction Bridge Engineering Bureau Group Fourth Engineering Co., Ltd China Railway Construction Bridge Engineering Group Co., Ltd (74) ir. M.B. Plaggenborg (72) Zhigang Li Jian Zhao Haishun Zhang Kai Li Luming An Rundong Wang Xiang Li Yanlong Ren	(51) E03F 1/00 (21) 2035466 (22) 25.07.2023 (54) SUBTERRANEAN RAINWATER STORAGE DEVICE (71) Dyka B.V. (74) dr. R.C. van Duijvenbode c.s. (72) Leendert Adrianus Baijense (41) 10.02.2025
(51) E01D 19/02 E01D 21/00 (21) 2035515		(51) E04F 10/08 (21) 2035488 (22) 27.07.2023 (54) Beam assembly for a slat wall (71) Paulussen Houthandel B.V. (74) ir. B.Ch. Ledebode c.s (72) Steven Jozef Maria Paulussen (51) E04H 6/08 B65D 19/00 B65D 85/68 B65G 1/00 (21) 2035460 (22) 25.07.2023 (54) Storing non-motorized trailers (71) MCR Groep Holding B.V. Sijbrand Haiko Haven (74) J.G. Laddé MSc (72) Sijbrand Haiko Haven Jan Pieter Bastiaan Reijnoudt (41) 06.02.2025
		(51) E05D 11/00 E04F 21/00 E05D 3/02 E05D 7/10 (21) 2035491 (22) 27.07.2023 (54) Jig for aligning knuckles of door hinges (71) Vivienne Susan Mathilde Maria Balemans Abraham Aljosja Geuze (74) drs. W.H.P. Derks (72) Vivienne Susan Mathilde Maria Balemans Abraham Aljosja Geuze (41) 10.02.2025
		(51) E21B 34/00 (21) 2037783 (22) 27.05.2024 (54) INTERVENTIONLESS STIMULATION AND PRODUCTION SYSTEMS, MULTI-ZONE INTERVENTIONLESS STIMULATION AND PRODUCTION ASSEMBLIES, AND METHODS TO PERFORM INTERVENTIONLESS STIMULATION AND PRODUCTION OPERATIONS

(71) Halliburton Energy Services, Inc. (74) dr. ir. F.M. van Bouwelen (72) Ibrahim El Mallawany Ahmed Mohamed (31) PCT/US2023/030871 18/226,749 (32) 22.08.2023 26.07.2023 (33) United States of America United States of America	(72) Adriaan Jozef Maria Goossens Klaas Alexander de Boer Gerrit Berend Jan Meppelink Johannes Zuurmond Leendert Adrianus Baijense (41) 06.02.2025 (51) G01D 21/00 H02B 1/52 G08B 25/00 G08B 21/18 (21) 1044648 (22) 25.07.2023 (54) Bewakingssysteem ingericht om te kunnen worden gekoppeld met een stroomvoorzieningsvoertuig voorzien van één of meer accupakketten voor externe stroomlevering (71) Van der Mark Solutions (72) Dennis van der Mark (41) 06.02.2025 (51) G01F 25/20 B67D 7/08 B67D 7/32 (21) 2035487 (22) 27.07.2023 (54) SENSOR READING SYSTEM AND METHOD FOR USING THE SAME (71) OPW Fluid Transfer Group Europe B.V. (74) ir. J.C. Volmer c.s. (72) Leonardus Alexius Kors (51) G01M 5/00 G06F 30/13 (21) 2036197 (22) 07.11.2023 (54) CONTINUOUS BEAM DAMAGE LOCATING METHOD UNDER SINGLE VEHICLE MOVING LOAD (71) Jilin Jianzhu University (74) dr. T. Wittop Koning PhD (72) Yunlong Zhang Xuesong Qian Zhanhao Zhang (31) 202310915343.X (32) 25.07.2023 (33) China (51) G01N 27/447 G01N 33/52 (21) 2035499 (22) 28.07.2023 (54) Method for separating extracellular vesicles (71) EXIT071 B.V. (74) ir. J.C. Volmer c.s. (72) Thomas Hankemeier Yuliya Shakalisava Andrea Capuano (51) G01W 1/14 G01N 1/20 (21) 2037096 (22) 22.02.2024 (54) LITTER INTERCEPTION OBSERVATION DEVICE (71) Jiangxi Agricultural University (74) dr. T. Wittop Koning PhD (72) Xiaobin Fu Qi Chen Tianjun Bai	Tianze Duan Wenping Deng Dehuan Zong Jiayao Gao Laicong Luo (41) 10.02.2025 (51) G02B 3/08 F21V 5/04 F21V 5/08 F21V 7/00 F21V 7/06 F21V 13/04 G02B 19/00 (21) 2035514 (22) 31.07.2023 (54) Beacon Light optic (71) Orga Holding B.V. (74) ir. B.Ch. Ledebøer c.s (72) Mischa Sjors Groeneveld Thomas Leeuwangh (41) 11.02.2025 (51) G06F 16/20 G06F 30/20 (21) 2039467 (22) 23.12.2024 (54) COMPREHENSIVE MEASUREMENT METHOD FOR COMFORT IN HIGH- INTENSITY ZONES OF MEGA AND SUPER-LARGE CITIES (71) Beijing University of Civil Engineering and Architecture (74) dr. J. van Straaten (72) Lei Shi Liangjun Zhu Sha Zhu Yingyi Zhang Zhenjing Mao Zhe Li Chen Wei Zhi Wang (51) G06F 30/10 G06T 17/10 (21) 2037641 (22) 07.05.2024 (54) THREE-DIMENSIONAL MODEL MODELING METHOD OF CHEMICAL PIPELINE (71) China Construction Industrial & ENERGY Engineering Group Co., Ltd. (74) dr. T. Wittop Koning PhD (72) Yangzheng Bai Hailong Ma Huahua Hui Liyang Wang Haibin Li Yue Liu Tao Zhang (31) 202310917482.6 (32) 25.07.2023 (33) China (51) G06F 30/20 G09B 9/00 (21) 2037085 (22) 21.02.2024 (54) SIMULATION TRAINING SYSTEM FOR PRODUCTION OF FERROALLOY SUBMERGED ARC FURNACE AND
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OPERATION OF PUBLIC AUXILIARY SUPPLY FACILITIES	Gang Zeng	(22) 25.07.2024
(71) Institute of Sensing Technology, Gansu Academy of Sciences	Lina Wang	(54) Protective equipment for switchboards and switchboard monitoring system
Gansu Hexi Silicon New Material Co., Ltd.	(31) 202310921571.8	(71) MEGELLAN, SE
(74) ir. F.A. Geurts c.s.	(32) 26.07.2023	(74) dr. ir. G.J.C. Verdijck c.s.
(72) Sheng Chen	(33) China	(72) Marek Duda
Zhiqian She	(51) G09F 9/302	(31) 2023-286
Hongxia Zhang	(21) 2035497	(32) 26.07.2023
Bo Zheng	(22) 28.07.2023	(33) Czech Republic
Jianmin Wang	(54) Systeem voor het installeren van een videowand	(51) H02K 1/14
(31) 202310950384.2	(71) Vogel's IP B.V.	H02K 1/18
(32) 31.07.2023	(74) ir. A. Blokland c.s.	H02K 1/28
(33) China	(72) Richard Hendrikus Johannes Beentjes	H02K 1/32
(51) G06N 3/02	Danny Sijkens	H02K 5/20
G06T 5/60	(41) 11.02.2025	H02K 7/18
G06T 5/20	(51) H01G 11/30	H02K 9/06
(21) 2039388	H01G 11/26	(21) 2035492
(22) 18.12.2024	H01G 11/36	(22) 27.07.2023
(54) A Low-Illumination Color Polarization Image Enhancement Method and System	H01G 11/86	(54) NOVEL (Nx3)-PHASE PERMANENT MAGNET SYNCHRONOUS WIND- DRIVEN GENERATOR
(71) Changchun University of Science and Technology	(21) 2035505	(71) Hunan University
(74) ir. W.J.J.M. Kempes	(22) 31.07.2023	(74) ir. M.B. Plaggenborg
(72) Meiling Gao	(54) PREPARATION METHOD FOR ELASTIC NITROGEN-DOPED LAYERED GRAPHENE ELECTRODE MATERIAL	(72) Sheng Huang
Guangyu Zhao	(71) Chongqing Yuanhao Technology Co., Ltd.	Shoudao Huang
Jin Duan	Guizhou Education University	Xiaohui Huang
Yong Zhu	(74) ir. M.B. Plaggenborg	Mingcheng Lyu
Shuilian Hao	(72) Hengxiu Yang	Wu Liao
(31) 2024102826043	Bo Yan	(41) 10.02.2025
(32) 13.03.2024	Bin Xiang	(51) H04L 9/08
(33) China	Mingsen Deng	G06Q 20/32
(51) G06N 3/0455	Fushao Li	H04L 9/40
G06F 40/30	Hujun Shen	(21) 2035471
G06N 3/0464	Xuefeng Zou	(22) 25.07.2023
G06N 3/0475	Helin Zheng	(54) IMPROVED SYSTEM FOR SECURE TRANSMISSION OF AUTHENTICATION DATA
G06N 3/08	(41) 11.02.2025	(71) DigiCorp Labs Holding B.V.
(21) 2035461	(51) H01M 4/04	(74) J. Hoekstra
(22) 25.07.2023	(21) 2036091	(72) Jozua Alois Engel van der Deijl
(54) METHOD FOR AUTOMATICALLY GENERATING ANCIENT POEMS	(22) 21.10.2023	Gert Jan Rudolf Bouwman
(71) Chengdu University of Technology	(54) Self-standing Nitrogen-doped Hollow Biochar Bi/SnO ₂ @N-HCFs Composite Material, Preparation Method and Application Thereof	Julian Joshua Jäger
(74) ir. M.B. Plaggenborg	(71) SHAANXI UNIVERSITY OF SCIENCE & TECHNOLOGY	Chantal Marie José Kusters
(72) Xiaosong Lu	(74) dr. T. Wittop Koning PhD	(41) 10.02.2025
Chuan Zhao	(72) Rumei He	(51) H04M 11/02
Sheng Li	Yu Sun	H04W 40/24
Yifan Hu	Shengli Wei	(21) 2039320
Yuan Ma	Jingeng Chen	(22) 07.11.2022
Xuanzhi Zhou	Xiaojiang Hou	(54) Method and system for managing traffic at a door
(41) 06.02.2025	Li Zhang	(62) 1044453 (07.11.2022)
(51) G06N 3/08	Xiaohui Ye	(71) Zipp Labs B.V.
G06V 30/12	Zigang Chen	(74) ir. H.A. Witmans c.s.
G06V 30/18	De'an Xie	(72) Tijn Kooijmans
G06V 30/226	Guoquan Suo	
G16H 50/20	Huajun Chen	
(21) 2036301	Yanling Yang	
(22) 17.11.2023	(31) 202310951462.0	
(54) HANDWRITING FEATURE EXTRACTION TRAINING METHOD AND DEVICE FOR PREDICTING ALZHEIMER'S DISEASE	(32) 31.07.2023	
(71) Huzhou University	(33) China	
(74) dr. T. Wittop Koning PhD	(51) H02H 5/04	
(72) Hengnian Qi	H01H 37/76	
Xiaorong Zhu	H01H 85/02	
Ruoyu Zhang	A62C 3/16	
Qizhe Tang	(21) 2038331	

NP2

Ingeschreven en verleende Nederlandse octrooien ex Rijksoctrooiwet 1995.**Netherlands patents which have been entered in the patent register ex NL Patent Law 1995.**

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A01K 7/02	(47) 11.02.2025	(11) 2038129
(11) 2035495	(22) 31.07.2023	(47) 11.02.2025
(47) 10.02.2025	(54) OPROLBARE VOETSLIPPER	(22) 03.07.2024
(22) 27.07.2023	(73) Esther Hamburger	(54) An Interventional Optical Neural
(54) WATER TROUGH FOR ANIMALS	(72) Esther Hamburger	Stimulation Device
(73) INSTITUTE OF ANIMAL SCIENCES,	(74) dr. G. Visser-Luirink	(73) Nankai University
XINJIANG ACADEMY OF ANIMAL	(51) A45C 11/32	(72) Ying Du
SCIENCES	(11) 2035485	Peipei Kang
(72) Yicheng Ma	(47) 10.02.2025	Yahan Duan
Zhenyong Zhou	(22) 26.07.2023	Wenzhi Wang
Dong Yuan	(54) KEY HOLDING DEVICE	Ying Tan
Xiangmin Yan	(73) Secrid B.V.	Sining Li
Tianxiang Chen	(72) Matisse Christopher Benjamin de Jong	Gan Liu
Fanrong Cui	Willemijn Lianne Verduijn	Zhihao Ru
Denglin Hu	John William Spaven	Leyang Li
Lixing Yuan	Anne Lie Ing Yap	Feng Duan
Zhibing Ye	(74) drs. W.H.P. Derks	Fan Feng
Hongbo Li	(51) A61B 5/0507	(74) drs. C.M.A. Quintelier
(74) ir. M.B. Plaggenborg	(11) 2035479	(31) 2023116473339
(51) A23C 19/032	(47) 10.02.2025	(32) 04.12.2023
A23C 19/06	(22) 26.07.2023	(33) China
A23L 27/24	(54) IMAGING SYSTEM AND METHOD	(51) A63G 27/00
(11) 2037564	(73) STEF Med Tech Holding B.V.	(11) 2035513
(47) 11.02.2025	(72) Tijs Frans Teepe	(47) 11.02.2025
(22) 26.04.2024	Sander Baltussen	(22) 31.07.2023
(54) Cell-Free Extract, Enzyme System, and	(74) ir. J.C. Volmer c.s.	(54) VERBETERD MOBIEL REUZENRAD
Application of Cell-Free Extract and	(51) A61F 5/02	ZONDER HOOFDAS EN WERKWIJZE
Enzyme System in Enzyme-Modified	(11) 2035464	VOOR HET OPBOUWEN VAN HET
Cheese	(47) 06.02.2025	REUZENRAD
(73) Hunan Agricultural University	(22) 25.07.2023	(73) K.I.G. HEERENVEEN B.V.
(72) Yuan Li	(54) Orthosis device, configured to provide	(72) Hette Knijpstra
Ke Fan	temporary support during a load transfer	(74) drs. C.H. Mink-Lindenburg
Yang Luo	activity by a user	(51) B01J 7/00
Jie Luo	(73) Universiteit Twente	B01J 19/14
Yan Zhao	(72) Hanna Rosalie de Zeeuw	C06D 5/06
Yixuan Li	Malte Asseln	(11) 2035489
Hao Zhang	Daan Frank Legters	(47) 10.02.2025
Pengjie Wang	(74) ir. A. Blokland c.s.	(22) 27.07.2023
Qingwu Shen	(51) A61M 25/01	(54) EFFICIENT THERMAL PROTECTION
Hui Zhou	A61B 1/005	FOR A GAS GENERATOR
Ran Wang	(11) 2035502	(73) HDES Service & Engineering B.V.
Huiyuan Guo	(47) 11.02.2025	(72) Armanda Thea Hogedoorn
(74) A. Rivière	(22) 28.07.2023	Sigurd Ravnar
(31) 2023109340690	(54) BENDABLE TUBE WITH PATH LENGTH	Hubertus Marie Sanders
(32) 27.07.2023	COMPENSATION OF STEERING	(74) ir. B.Ch. Ledeboer c.s.
(33) China	WIRES	(51) B09B 1/00
(51) A24F 1/28	(73) Fortimedix Assets II B.V.	B09B 3/32
(11) 1044651	(72) Mattheus Hendrik Louis Thissen	C02F 11/12
(47) 10.02.2025	(74) dr. R.C. van Duijvenbode c.s.	C02F 11/00
(22) 27.07.2023	(51) A61M 25/01	C04B 28/26
(54) Inrichting voor het door een gebruiker	A61B 34/30	E02D 31/00
inzuigen van damp van bijvoorbeeld	(11) 2035501	C09K 3/10
cannabis, omvattende concentrisch met	(47) 11.02.2025	B09B 3/25
elkaar te koppelen onderdelen	(22) 28.07.2023	(11) 2035468
(73) I-nvention B.V.	(54) STEERABLE INSTRUMENT WITH	(47) 06.02.2025
(72) Menno Contant	STEERING UNIT	(22) 25.07.2023
Michel Johannes Hendrikus Schlärman	(73) Fortimedix Assets II B.V.	(54) SEALING COMPOSITION FOR A
(74) ir. A. Blokland c.s.	(72) Mattheus Hendrik Louis Thissen	WASTE DISPOSAL AND/OR LANDFILL,
(51) A43B 3/10	(74) dr. R.C. van Duijvenbode c.s.	METHOD FOR MANUFACTURING SAID
A43B 3/24	(51) A61N 5/06	

SEALING COMPOSITION, AND USE OF SAID SEALING COMPOSITION.	PYROCHLORE CERAMIC MATERIAL	(47) 10.02.2025
(73) Euro Trust Management B.V.	LiInCr4O8	(22) 26.07.2023
(72) Harry Bernhard Beukema	(73) Hefei University	(54) A process for recycling a polyolefin containing waste material stream and an apparatus suitable therefor
(74) dr. ir. G.J.C. Verdijck c.s.	(72) Yanfei Xiong	(73) SPEX Technology B.V.
(51) B23B 51/04	Yu Xie	(72) Hendricus Franciscus Zirkzee
B23B 31/113	Jian Bian	Blandikus Catharikus Jaspers
(11) 2035504	Hui Liu	(74) ir. J.C. Volmer c.s.
(47) 11.02.2025	Yang Yu	(51) C08L 97/02
(22) 31.07.2023	Hao Zu	C08G 65/38
(54) Rotary tool and implement	Yuan Feng	C08J 5/04
(73) Intermetaal I.E. B.V.	(74) ir. M.B. Plaggenborg	(11) 1044654
(72) Richard Alexander Boske	(51) C02F 3/12	(47) 11.02.2025
(74) ir. B.Ch. Ledebøer c.s.	B01D 61/18	(22) 28.07.2023
(51) B29D 35/12	B01D 63/06	(54) Biocomposiet materiaal geproduceerd door biosynthese in een polymeerreactie met NaOH als katalysator
B29K 83/00	(11) 2033537	(73) Robert Pradeep Kumar Mohansingh
B29C 51/26	(47) 11.02.2025	(72) Robert Pradeep Kumar Mohansingh
B29C 51/10	(22) 15.11.2022	(51) E01D 2/04
A43B 13/04	(54) Membrane bioreactor, method of operating a membrane bioreactor, and use of a membrane bioreactor	(11) 2035516
B29C 35/02	(73) Robert Martinus van Opdorp	(47) 11.02.2025
B29K 75/00	(72) Robert Martinus van Opdorp	(22) 31.07.2023
B29K 105/06	(74) dr. mr. ir. D.B. van Dam	(54) COMPOSITE BOX GIRDER STRUCTURE
B29L 31/50	(31) 21000325.7	(73) Fujian University of Technology
(11) 2035490	(32) 15.11.2021	Fuzhou Jingyan Engineering Technology Co., Ltd.
(47) 10.02.2025	(33) European Patent Office (EPO)	Fujian Transportation Research Institute Co., Ltd.
(22) 27.07.2023	(51) C07K 7/06	Haoyao Times (Fujian) Group Co., Ltd.
(54) A MACHINE FOR CONTINUOUSLY PRODUCING MOULDED PRODUCTS	A61P 25/28	YONGFU CONSTRUCTION ENGINEERING GROUP CO., LTD.
(73) WHAT THE FUTURE B.V.	A61K 38/08	(72) Bangchong Ji
(72) Edmund David Aufenfast	(11) 2038112	Jinbing Zhao
(74) ir. M. Cramwinckel	(47) 11.02.2025	Shangshun Lin
(51) B65D 51/16	(22) 02.07.2024	Xin Lin
(11) 1044652	(54) PRODUCT FOR INHIBITING TOXICITY OF AMYLOID BETA-PROTEIN 1-42 AND APPLICATION THEREOF	Jianfan Lin
(47) 10.02.2025	(73) Henan Agricultural University	Wenxiang Wang
(22) 27.07.2023	(72) Huijie Yang	Yulian Lin
(54) AIRTIGHT CONTAINER WITH A UNIDIRECTIONAL EXHAUST VALVE	Qiuyan Zhao	(74) ir. M.B. Plaggenborg
(73) Jui-Te Wang	Lianjun Song	(51) E01D 19/02
(72) Jui-Te Wang	Tiange Li	E01D 21/00
(74) drs. O. Griebeling	Yue Shen	(11) 2035515
(51) B65G 17/34	Xianqing Huang	(47) 11.02.2025
(11) 1044649	Qi Guo	(22) 31.07.2023
(47) 06.02.2025	Ning Li	(54) STRUCTURE FOR RAPIDLY SPLICING PREFABRICATED BENT CAP, PREFABRICATED PIER, AND PILE CAP
(22) 25.07.2023	Mingwu Qiao	(73) Fujian University of Technology
(54) Inrichting voor het verplaatsen van een voorwerp langs een transportweg en het op een uitwerplocatie via de zijkant uitwerpen ervan	Guangshan Zhao	YONGFU CONSTRUCTION ENGINEERING GROUP CO., LTD.
(73) Ruben Lafarre	Peijun Zhao	Fujian Minsheng Construction Engineering Co., Ltd.
Eric Arnoldus Wilhelmus Adriana Willems	Ningning Cui	Haoyao Times (Fujian) Group Co., Ltd.
(72) Eric Arnoldus Wilhelmus Adriana Willems	Qian Li	Fuzhou Jingyan Engineering Technology Co., Ltd.
Ruben Lafarre	Ge Bai	(72) Jinbing Zhao
(51) B66C 19/00	Ping'an Zhang	Botao Ni
(11) 2035484	Jiawen Sun	Shangshun Lin
(47) 10.02.2025	(74) ir. W.J.J.M. Kempes	Xin Lin
(22) 26.07.2023	(51) C07K 16/28	Yongjie Lin
(54) container crane	A61K 35/37	Wenxiang Wang
(73) Itrec B.V.	C12N 5/074	Yulian Lin
(72) Joop Roodenburg	(11) 2035481	(74) ir. M.B. Plaggenborg
Mike van Wingerden	(47) 10.02.2025	(51) E01D 21/00
(74) ir. J.C. Volmer c.s.	(22) 26.07.2023	(11) 2035512
(51) C01G 37/14	(54) Single-chain variable fragment of anti-integrin antibodies	
(11) 2035462	(73) Koninklijke Nederlandse Akademie van Wetenschappen	
(47) 06.02.2025	(72) Johannes Carolus Clevers	
(22) 25.07.2023	Willibrordus Barend Maria de Lau	
(54) PREPARATION METHOD AND APPLICATION OF BREATHING	(74) ir. A. Blokland c.s.	
	(51) C08J 11/08	
	(11) 2035483	

(47) 11.02.2025	(47) 10.02.2025	F23Q 2/28
(22) 31.07.2023	(22) 27.07.2023	(11) 2035469
(54) CONNECTING STRUCTURE FOR WET JOINT BETWEEN PREFABRICATED BEAMS	(54) Jig for aligning knuckles of door hinges	(47) 06.02.2025
(73) Fujian Transportation Research Institute Co., Ltd.	(73) Vivienne Susan Mathilde Maria Balemans	(22) 25.07.2023
YONGFU CONSTRUCTION ENGINEERING GROUP CO., LTD.	Abraham Aljosja Geuze	(54) A method of manufacturing a gas lighter and a gas lighter
Fuzhou Jingyan Engineering Technology Co., Ltd.	(72) Vivienne Susan Mathilde Maria Balemans	(73) Swedish Match Lighters B.V.
Fujian University of Technology	Abraham Aljosja Geuze	(72) Carolus Johannes Sewalt
Haoyao Times (Fujian) Group Co., Ltd.	(74) drs. W.H.P. Derks	(74) ir. A. Blokland c.s.
(72) Dequan You	(51) E21B 43/10	(51) F24F 13/02
Jinbing Zhao	(11) 2037700	F16L 25/00
Wenxiang Wang	(47) 11.02.2025	F16L 27/10
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Jianfan Lin	Stephen Ross Maddux	(73) Dyka B.V.
(74) ir. M.B. Plaggenborg	Chee Sing Kelvin Loh	(72) Adriaan Jozef Maria Goossens
(51) E02B 15/10	(74) dr. ir. F.M. van Bouwelen	Klaas Alexander de Boer
B63B 35/32	(31) 18/355,030	Gerrit Berend Jan Meppelink
(11) 2035467	(32) 19.07.2023	Johannes Zuurmond
(47) 10.02.2025	(33) United States of America	Leendert Adrianus Baijense
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(54) Method for removing oil that floats on water, unmanned aerial vehicle.	F03D 13/25	(51) F24T 10/20
(73) RPower Oceans Holding B.V.	(11) 2035480	(11) 2038307
(72) Anna Wilhelmina Elizabeth Zijlemans	(47) 10.02.2025	(47) 11.02.2025
(74) ir. A. Blokland c.s.	(22) 26.07.2023	(22) 23.07.2024
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(11) 2035466	(73) Temporary Works Design Engineering B.V.	(73) Tianjin University
(47) 10.02.2025	(72) Niek Engelbertus Meurs	(72) Xin Liu
(22) 25.07.2023	Pieter Albertus Beishuizen	Chuanshan Dai
(54) SUBTERRANEAN RAINWATER STORAGE DEVICE	Yuri Daniël Volkerts Van Hoogendaal	Rui Xue
(73) Dyka B.V.	Jelmar Termorshuizen	Haiyan Lei
(72) Leendert Adrianus Baijense	(74) W.J. Slikker	Dongxi Liu
(74) dr. R.C. van Duijvenbode c.s.	(51) F16B 13/00	(74) ir. W.J.J.M. Kempes
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(54) Beam assembly for a slat wall	(22) 25.07.2023	H02B 1/52
(73) Paulussen Houthandel B.V.	(54) VERBINDINGSMIDDELEN VOOR EEN KOZIJN, EN KOZIJN, DEUR- OF RAAMFRAME MET DERGELIJKE VERBINDINGSMIDDELEN	G08B 25/00
(72) Steven Jozef Maria Paulussen	(73) Fitrum B.V.	G08B 21/18
(74) ir. B.Ch. Ledebøer c.s.	(72) Hendrikus Dorrestijn	(11) 1044648
(51) E04H 6/08	Eddy Ligtenbarg	(47) 06.02.2025
B65D 19/00	(74) dr. ir. G.J.C. Verdijk c.s.	(22) 25.07.2023
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B65G 1/00	F21V 17/00	(73) Van der Mark Solutions
(11) 2035460	(11) 2035509	(72) Dennis van der Mark
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(54) Storing non-motorized trailers	(54) Beacon light assembly and method for manufacturing the same	B67D 7/32
(73) MCR Groep Holding B.V.	(73) Orga Holding B.V.	(11) 2035487
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Jan Pieter Bastiaan Reijnoudt	Thomas Leeuwangh	(54) SENSOR READING SYSTEM AND METHOD FOR USING THE SAME
(74) J.G. Laddé MSc	Danny Reedijk	(73) OPW Fluid Transfer Group Europe B.V.
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(11) 2037096	Guizhou Education University
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(73) Jiangxi Agricultural University	Mingsen Deng
(72) Xiaobin Fu	Fushao Li
Qi Chen	Hujun Shen
Tianjun Bai	Xuefeng Zou
Tianze Duan	Helin Zheng
Wenping Deng	(74) ir. M.B. Plaggenborg
Dehuan Zong	(51) H02K 1/14
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(11) 2035514	(73) Hunan University
(47) 11.02.2025	(72) Sheng Huang
(22) 31.07.2023	Shoudao Huang
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Thomas Leeuwangh	(74) ir. M.B. Plaggenborg
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(54) METHOD FOR AUTOMATICALLY GENERATING ANCIENT POEMS	Gert Jan Rudolf Bouwman
(73) Chengdu University of Technology	Julian Joshua Jäger
(72) Xiaosong Lu	Chantal Marie José Kusters
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(73) Thermaco, Inc.	(72) EHLERS, Jeff	China Nuclear Power Engineering Co., Ltd.
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(22) 21.06.2022	(72) FIASCONE, Regan, Marie	(73) Mate Precision Tooling, Inc.
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(73) Koninklijke Philips N.V.	(73) Ranpak Corp.	(51) B26D 7/26
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ANDREIA	(72) GRAFENAUER, Thomas	(73) Denka Company Limited
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(72) MATHEA, Hans	(21) EP18859426.1	(72) Niederberger, Anton
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(72) FARINON, Rudi	Australia	B22F 3/105
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G06N 3/08	B29C 65/18	B60C 19/12
G06N 7/00	B29L 31/30	B29D 30/06
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(54) INK REPLENISHMENT CONTAINER	MIYAGAWA, Shohei	(72) ICHIOKA Yoshikazu
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(87) US2020036870	B41M 5/382	MORESO, Emma
11.02.2021	B41M 5/40	(31) 2102399
(22) 10.06.2020	B41M 5/41	(32) 11.03.2021
(54) ELECTRONIC-CIRCUIT PRINTING	B41M 5/42	(33) France
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(73) Microsoft Technology Licensing, LLC	(21) EP17194772.4	C08L 7/00
(72) MA, Siyuan	(47) 12.02.2025	C08L 9/00
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B42D 25/455	(31) 201715638996	REDUCE ROLLING RESISTANCE AND
B42D 25/46	201662404651 P	TIRE WITH TREAD
B42D 13/00	(32) 30.06.2017	(73) The Goodyear Tire & Rubber Company
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B41M 5/00	(33) United States of America	MUNOZ MEJIA, Luisa Fernanda
G01N 33/34	United States of America	ISITMAN, Nihat Ali
G01N 3/56	(51) B44B 5/00	(31) 201715847025
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(22) 31.07.2020	(22) 27.12.2018	C08L 9/06
(54) METHOD FOR TESTING THE	(54) METHOD TO OBTAIN A LAMINATED	C08K 3/36
RESISTANCE OF DATA CARRIERS	PRODUCT HAVING THREE-	C08K 3/04
AND SECURITY DOCUMENTS	DIMENSIONAL DECORATIVE	C08L 71/02
(73) Bundesdruckerei GmbH	FIGURES, AND CORRESPONDING	C08L 15/00
(72) LESCHE, Ulrike	PRODUCT	(11) EP3904117
WÖLKI, Stephan	(73) Lamitex S.p.A.	(21) EP20817948.1
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B42D 25/45	A47G 33/00	(31) 2019104592
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G02B 3/00	B42D 15/02	(33) Japan
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(22) 11.07.2016	(87) JP2017018101	B60C 13/04
(54) METHODS OF MANUFACTURING	15.11.2018	B60B 7/01
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(73) De La Rue International Limited	(54) CORD-EQUIPPED SHEET-SHAPED	B60B 9/00
(72) CORNES, Ian	PRODUCT	(11) EP4084967
HOLMES, Brian William	(73) DENTSU INC.	(21) EP20909980.3
O'MALLEY, John	(72) SHIKIYA, Akira	(47) 12.02.2025
COMMANDER, Lawrence George	(51) B60C 1/00	(87) US2020060737
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(33) United Kingdom	(21) EP22710666.3	COVERS
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(51) B60C 9/12	(72) KOKI, NAGASAWA	(33) Italy
B60C 19/00	(31) 2022013282	Italy
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(31) 2020078524	09.09.2022	APPARATUS AND METHOD FOR TIRE
(32) 27.04.2020	(22) 02.12.2021	PRESSURE MONITORING SYSTEM
(33) Japan	(54) TYRE	(73) Continental Automotive Technologies
(51) B60C 9/20	(73) Continental Reifen Deutschland GmbH	GmbH
B60C 9/00	(72) LAMB, Matthew	(72) LEE, BokHee
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(72) CELIK, Ceyhan	(21) EP23198325.5	(22) 09.12.2021
(31) 202117404073	(47) 12.02.2025	(54) METHOD FOR MONITORING TYRE
(32) 17.08.2021	(22) 19.09.2023	PROPERTIES
(33) United States of America	(54) PNEUMATIC TIRE AND TIRE MOLD	(73) Continental Reifen Deutschland GmbH
(51) B60C 9/20	(73) TOYO TIRE CORPORATION	(72) Schaefer, Jonni
B60C 9/28	(72) KAMADA, Nobuyuki	Abeling, Stefan
B60C 9/22	SATO, Keisuke	Cyllik, Adrian
(11) EP4094957	(31) 2022166151	(31) 102021204886
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(73) Continental Reifen Deutschland GmbH	(21) EP18731287.1	B60K 7/00
(72) Ludwig, Reinhard	(47) 12.02.2025	B60K 17/04
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29.09.2022	HICKS, Daniel McEachern	STEERING WHEELS CARRIED
(22) 17.12.2021	(51) B60C 23/04	BY LEGS ARTICULATED TO THE
(54) PNEUMATIC VEHICLE TYRE WITH	(11) EP3829900	VEHICLE STRUCTURE, WITH EACH
BELT BANDAGE	(21) EP19755974.3	LEG INCORPORATING A SYSTEM
(73) Continental Reifen Deutschland GmbH	(47) 12.02.2025	FOR DRIVING AND ORIENTING THE
(72) KOVACIK, Michal	(87) IT2019050173	RESPECTIVE WHEEL
(31) 102021203082	06.02.2020	(73) First Design 1 S.p.A.
(32) 26.03.2021	(22) 25.07.2019	(72) ZONA, Mauro
(33) Germany	(54) TYRE COMPRISING A MONITORING	(31) 202100006014
(51) B60C 11/00	DEVICE	(32) 15.03.2021
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B60C 11/12	(72) BOSCAINO, Ivan Gildo	(51) B60G 7/00
B60C 11/03	SABATINI, Marco	B60G 9/00
B60C 11/13	PUPPI, Cristiano	B60G 11/46
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(72) HENDRIKS, Michel	(22) 09.11.2021	H01M 10/6563
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(72) GERSON, Thibaut	(47) 12.02.2025	QIAO, Xianhua
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(72) Boettinger, Theresa Sophia	(73) Renault s.a.s	F16D 125/36
Tremel, Jan	(72) SULA, Igor	F16D 127/00
Loeber, Lukas	(31) 2206723	F16D 129/06
Breinlinger, Philipp	(32) 04.07.2022	F16D 23/12
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DIEHL, Andrew Karl	(51) B60P 3/40	(72) BRILLON, Eric
ALLINGTON, Christopher James	F03D 13/40	GUENAMANT, Nicolas
HILL, Weston	(11) EP4093637	(31) 2009947
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HAASNOOT, Floris Huig	(51) B60S 1/34	(73) Hitachi Astemo, Ltd.
SMEIJSTERS, Quint	B60S 1/40	(72) SHIMIZU Ryosuke
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(73) DAF Trucks N.V.	G02B 27/00	(72) PESSO, Tommaso
(72) PIERIK, Gerardus Lambertus Hendrikus	G03B 17/08	MASTROIANNI, Francesco
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(72) SCHÜLER, Martin	(51) B62B 3/02	(72) KAKAS, Peter
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(73) SAFRAN AIRCRAFT ENGINES	B05B 1/14	(31) 202117549144
(72) TRIBOUT, Kevin Franck Jacques	B05B 9/04	(32) 13.12.2021
COTTET, Clément	B05B 1/00	(33) United States of America
BELJAMBE, Cedric	B05B 12/04	(51) B64C 27/10
RODA, Jean Charles Olivier	B64D 37/00	B64C 27/467
(31) 2107085	(11) EP4023551	(11) EP4237328
(32) 30.06.2021		(21) EP20926359.9

(47) 12.02.2025	Marx, Sergej	(33) France
(87) SG2020050745	(51) B64D 11/00	(51) B64D 17/72
05.05.2022	B64D 11/06	B64D 17/80
(22) 14.12.2020	(11) EP3873803	B64D 1/02
(54) AERODYNAMIC OPTIMIZATION OF	(21) EP18804197.4	B64U 10/13
THE SIZING AND BLADE DESIGNS OF	(47) 12.02.2025	B64U 70/83
COROTATING COAXIAL ROTORS	(87) US2018058409	(11) EP3812270
(73) ST Engineering Aerospace Ltd.	07.05.2020	(21) EP19826188.5
(72) CHAN, Keen Ian	(22) 31.10.2018	(47) 12.02.2025
(31) 10202010770P	(54) EXTENDED DISPLAY INTEGRATION	(87) JP2019025258
(32) 29.10.2020	FOR PASSENGER SEATS	02.01.2020
(33) Singapore	(73) Safran Seats USA LLC	(22) 25.06.2019
(51) B64D 1/16	(72) CHAVARRIA, Daniel	(54) EJECTION DEVICE AND FLYING BODY
(11) EP4359302	LE, Nguyen Foek	PROVIDED WITH EJECTION DEVICE
(21) EP23714339.1	ANTILLON, Teresa del Carmen	(73) Nipponkayaku Kabushikikaisha
(47) 12.02.2025	MADRIGAL, Jose	(72) NAKAMURA, Hiroshi
(87) IB2023052716	BERMUDEZ, Cristina	OOI, Takahiro
04.01.2024	(51) B64D 11/06	TAMASHIRO, Akihiro
(22) 20.03.2023	(11) EP4051590	YAGIHASHI, Yasuhiko
(54) FIRE FIGHTING DRONE CONFIGURED	(21) EP20792670.0	FUKUMOTO, Maiko
TO BE RELEASED FROM AN	(47) 12.02.2025	ASHIDA, Shoichi
AIRCRAFT	(87) EP2020079709	OTSUBO, Hideki
(73) Leonardo S.p.A.	06.05.2021	(31) 2019046561
(72) PICCOLO, Antonio	(22) 22.10.2020	2018120221
BOTTONI, Emanuele	(54) SUPPORT PLATE FOR AIRCRAFT	(32) 13.03.2019
MASTROIANNI, Gaetana	SEATING UNIT	25.06.2018
PAPA, Umberto	(73) Safran Seats	(33) Japan
(31) 202200013687	(72) LIGONNIERE, Laurent	Japan
(32) 28.06.2022	YVON, Florent	(51) B64D 17/72
(33) Italy	BONNEFOY, Bastien	B64U 20/30
(51) B64D 9/00	DE MORAIS, José Bernardo	B64U 70/83
(11) EP4194335	(31) 1912243	B64D 17/52
(21) EP23152865.4	(32) 31.10.2019	B64D 17/80
(47) 12.02.2025	(33) France	(11) EP4116196
(22) 13.12.2019	(51) B64D 11/06	(21) EP21765155.3
(54) WIRELESS MOBILE MAINTENANCE	(11) EP4157720	(47) 12.02.2025
DISPLAY UNIT AND SYSTEM FOR	(21) EP20760628.6	(87) JP2021006692
CARGO HANDLING SYSTEM	(47) 12.02.2025	10.09.2021
(73) Goodrich Corporation	(87) US2020035774	(22) 22.02.2021
(72) KISH, Shad	09.12.2021	(54) SAFETY DEVICE, AND FLYING BODY
ROBERTS, Aaron	(22) 02.06.2020	PROVIDED WITH SAFETY DEVICE
(31) 201916387273	(54) MODULAR CHANNEL-MOUNTED	(73) Nipponkayaku Kabushikikaisha
(32) 17.04.2019	FURNITURE ATTACHMENT	(72) OTSUBO, Hideki
(33) United States of America	(73) Safran Cabin Inc.	YAGIHASHI, Yasuhiko
(51) B64D 11/00	(72) BOHANNON, Ian	(31) 2020039403
(11) EP4265519	TERRIQUEZ, Gerardo	(32) 06.03.2020
(21) EP22169189.2	BRAGG, Tyler	(33) Japan
(47) 12.02.2025	KIMBALL, Craig	(51) B64D 25/10
(22) 21.04.2022	COX, Lynette	B64D 11/06
(54) AIRCRAFT OVERHEAD PASSENGER	(51) B64D 15/16	(11) EP3974319
SERVICE UNIT	B64D 13/06	(21) EP21198208.7
(73) Goodrich Lighting Systems GmbH & Co.	(11) EP4112474	(47) 12.02.2025
KG	(21) EP22181100.3	(22) 22.09.2021
(72) DEGENHARDT, Detlev	(47) 12.02.2025	(54) AUTOMATIC EJECTION SEAT
HESSLING-VON HEIMENDAHL, Andre	(22) 24.06.2022	PERFORMANCE OPTIMIZATION
(51) B64D 11/00	(54) IMPROVED AIR SUPPLY SYSTEM FOR	BASED ON DETECTION OF AIRCREW
B64C 1/40	A PNEUMATIC DE-ICING ASSEMBLY	WEIGHT
(11) EP4098560	FOR AN AIRCRAFT, AND AIRCRAFT	(73) AMI Industries, Inc.
(21) EP21176814.8	COMPRISING SUCH AN AIR SUPPLY	(72) HAMPTON, John
(47) 12.02.2025	SYSTEM	STRIBRNY, Casey Andrew
(22) 31.05.2021	(73) Airbus Operations GmbH	McCUMBER, Ronald John
(54) FASTENING SYSTEM FOR	Airbus Operations SAS	CARSON, Cassidy L.
SUSPENDED INSTALLATION OF	(72) BAMMANN, Holger	MASTROLIA, Bradley
STORAGE COMPARTMENTS,	HUET, Florent	HOLSTINE, Steve
ESPECIALLY IN AIRCRAFT	JOSSET, Thomas	BHARUCHA, Nicholas
(73) Airbus Operations GmbH	GOURGUES, Marion	(31) 202017036229
(72) Wesseloh, Marc	(31) 2106968	(32) 29.09.2020
	(32) 29.06.2021	(33) United States of America

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(21) EP22726586.5	H05B 47/115	(21) EP19780743.1
(47) 12.02.2025	(11) EP3895995	(47) 12.02.2025
(87) DE2022100385	(21) EP21162313.7	(87) US2019026144
15.12.2022	(47) 12.02.2025	10.10.2019
(22) 19.05.2022	(22) 12.03.2021	(22) 05.04.2019
(54) AIRCRAFT HAVING A FUEL CELL AND METHOD FOR OPERATING A FUEL CELL OF AN AIRCRAFT	(54) ROTORCRAFT LIGHTING EQUIPMENT, ROTORCRAFT COMPRISING SUCH EQUIPMENT, AND METHOD OF ILLUMINATING AN ENVIRONMENT OF A ROTORCRAFT	(54) ON-BOARD PROPULSION TESTING APPARATUS
(73) MTU Aero Engines AG	(73) Goodrich Lighting Systems GmbH & Co. KG	(73) Orbion Space Technology, Inc. Michigan Technological University
(72) LELLEK, Stephan	(72) UEBERSCHAEER, Andreas	(72) KING, Lyon B.
HÄGERT, Jan	JHA, Anil Kumar	(31) 201862653067 P
(31) 102021115226	HESSLING-von HEIMENDAHL, Andre	(32) 05.04.2018
(32) 11.06.2021	(31) 102020110511	(33) United States of America
(33) Germany	(32) 17.04.2020	(51) B64U 10/20
(51) B64D 27/24	(33) Germany	B64U 10/25
B64D 31/00	(51) B64F 5/30	A01G 15/00
F02C 9/28	A61L 2/00	F42B 12/36
B64D 27/02	A61L 2/10	F42B 15/01
(11) EP3909857	A61L 2/08	F42B 15/08
(21) EP21174163.2	B64D 11/06	B64U 101/18
(47) 12.02.2025	B64D 11/00	B64U 101/35
(22) 17.05.2021	(11) EP4019412	(11) EP4177173
(54) CONTROL SYSTEMS FOR HYBRID ELECTRIC POWER PLANTS	(21) EP21216353.9	(21) EP22206045.1
(73) PRATT & WHITNEY CANADA CORP.	(47) 12.02.2025	(47) 12.02.2025
(72) MARK, Michael	(22) 21.12.2021	(22) 08.11.2022
IMEL, Paul C.	(54) AIRCRAFT DISINFECTION SYSTEM FOR STOWABLE ITEMS	(54) A DEVICE FOR UNMANNED AERIAL VEHICLE TO INSTALL RAINFALL CATALYTIC BOMB
GUERCHKOVITCH, Leonid	(73) Goodrich Corporation	(73) Shanghai Autoflight Co., Ltd.
(31) 202016875941	(72) HUSMANN, Ethan	(72) TIAN, Yu
(32) 15.05.2020	DOWTY, Mark B.	(31) 202122720091 U
(33) United States of America	ST. ROCK, Brian	(32) 08.11.2021
(51) B64D 27/40	(31) 202017134981	(33) China
B64D 29/04	(32) 28.12.2020	(51) B65B 9/06
B64D 29/06	(33) United States of America	(11) EP3914517
F02C 7/20	(51) B64G 1/28	(21) EP20745046.1
(11) EP4173960	B64G 1/24	(47) 12.02.2025
(21) EP22201149.6	G01C 19/06	(87) US2020012474
(47) 12.02.2025	G01C 19/16	30.07.2020
(22) 12.10.2022	(11) EP3979033	(22) 07.01.2020
(54) PYLON SYSTEM FOR COUPLING ENGINE TO VEHICLE	(21) EP19938363.9	(54) PACKAGING METHOD AND LINE FOR IMPROVED FINISHED PRODUCT
(73) Honeywell International Inc.	(47) 12.02.2025	(73) BW Converting, Inc.
(72) APPLEBY, Andrew	(87) CN2019120202	(72) HYSKA, David J.
ALSTAD, Shawn	28.01.2021	CHRISTMAN, Brian L.
(31) 202117452690	(22) 22.11.2019	DUNSTAN, JR., Robert J.
(32) 28.10.2021	(54) LOW-DISTURBANCE DUAL-GIMBAL FLYWHEEL BASED ON SPATIAL PARALLEL MECHANISM	ODEGARD, John C.
(33) United States of America	(73) Beijing Institute of Control Engineering	(31) 201916674294
(51) B64D 29/08	(72) ZHAO, Lei	201916442055
B64C 1/14	FAN, Yahong	201962795128 P
E05D 5/06	ZHANG, Jiyang	(32) 05.11.2019
(11) EP4019407	WANG, Shuyan	14.06.2019
(21) EP21216399.2	WU, Jintao	22.01.2019
(47) 12.02.2025	ZHAI, Baichen	(33) United States of America
(22) 21.12.2021	ZHANG, Qiang	United States of America
(54) FAN COWL FAILSAFE GOOSENECK ASSEMBLY	LUO, Ruizhi	United States of America
(73) Rohr, Inc.	QIN, Tao	(51) B65B 11/00
(72) LIMALIA, Mohamedali	WANG, Xiaowei	B65B 11/08
ON, Win	(31) 201910667368	B65B 11/10
(31) 202017133351	(32) 23.07.2019	B65B 11/12
(32) 23.12.2020	(33) China	B65B 11/16
(33) United States of America	(51) B64G 7/00	(11) EP3759022
(51) B64D 47/02	G01M 15/02	(21) EP19722202.9
B60Q 1/08		(47) 12.02.2025
B60Q 1/24		(87) IB2019052794
F21S 41/153		10.10.2019

(22) 05.04.2019	(73) Contemporary Ampere Technology (Hong Kong) Limited	(54) FOLDING BOX
(54) BOX FORMING MACHINE AND METHOD	(72) YANG, Qiancheng	(73) Van Genechten Packaging N.V.
(73) AVERCON BVBA	(31) 202220855179 U	(72) Leysen, Robin
(72) DE DYCKER, Herman Germain	(32) 14.04.2022	Verlinden, Geert
VAN STEENKISTE, Dimitri Daniël	(33) China	(31) 102020126042
Raphaël	(51) B65D 1/36	(32) 05.10.2020
PROVOOST, David Michel	B65D 5/50	(33) Germany
HAMERLINCK, Stefaan Albert Marie-Louise	B65D 81/133	(51) B65D 5/42
(31) 201805698	B65D 85/68	B65D 43/16
201805231	(11) EP4194352	B65D 47/12
201916375588	(21) EP22191220.7	B65D 8/00
201862729766 P	(47) 12.02.2025	B65D 5/66
(32) 10.10.2018	(22) 19.08.2022	(11) EP4323282
05.04.2018	(54) IMPROVED PACKAGING FOR	(21) EP22722443.3
04.04.2019	PACKING TWO OR MORE VEHICLE	(47) 12.02.2025
11.09.2018	BATTERY COVERS	(87) EP2022059683
(33) Belgium	(73) Defta	20.10.2022
Belgium	(72) VERASTEGUI JURADO, David Miguel	(22) 12.04.2022
United States of America	CARDARELLI, Piero	(54) HYBRID CONTAINER
United States of America	(31) 202130808	(73) DS Smith Plc
(51) B65B 43/26	(32) 24.08.2021	(72) TURNER, Russell
B31B 70/00	(33) Spain	(31) 202105372
(11) EP4291494	(51) B65D 5/02	(32) 15.04.2021
(21) EP21852032.8	B65D 5/40	(33) United Kingdom
(47) 12.02.2025	B65D 85/72	(51) B65D 17/28
(87) FR2021052233	(11) EP4065478	(11) EP3962822
18.08.2022	(21) EP20799638.0	(21) EP20730101.1
(22) 08.12.2021	(47) 12.02.2025	(47) 12.02.2025
(54) DEVICE FOR THE MECHANICAL	(87) EP2020079569	(87) IB2020054099
HANDLING OF A FLEXIBLE BAG	03.06.2021	12.11.2020
PLACED IN A HOLDER, AND	(22) 21.10.2020	(22) 30.04.2020
LOGISTICAL PARCEL SORTING	(54) CARTON WITH CURVED EDGES	(54) STACKABLE CONTAINER
INSTALLATION COMPRISING SUCH A	(73) SIG Services AG	(73) Trivium Packaging Group Netherlands B.V.
DEVICE	(72) KAYLAN, Ali	(72) SIREAU, Lucas
(73) Solystic	WIRTZ, Christoph	BROIDIN, Philippe
(72) HUGUES, Damien	GIEROW, Norman	LEBOUCHER, Fabrice
FAIVRE, Lionel	KLEIN, Heike	(31) 19177080
MOULLARD, Eric	KECK, Thomas	19172576
(31) 2101215	MERGEL, Stefan	(32) 28.05.2019
(32) 09.02.2021	SCHULTE, Georg	03.05.2019
(33) France	HAUSER, Philippe	(33) European Patent Office (EPO)
(51) B65C 3/06	(31) 102019132431	European Patent Office (EPO)
(11) EP4347415	(32) 29.11.2019	(51) B65D 65/38
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(87) IT2022050118	B65D 5/56	(11) EP4026786
08.12.2022	B65D 81/38	(21) EP19944339.1
(22) 04.05.2022	B65D 77/04	(47) 12.02.2025
(54) APPARATUS AND METHOD FOR	(11) EP4117998	(87) CN2019104478
APPLYING A TUBULAR LABEL TO AN	(21) EP21709793.0	11.03.2021
ITEM	(47) 12.02.2025	(22) 05.09.2019
(73) E-Packaging S.r.l.	(87) GB2021050515	(54) ENVIRONMENTALLY-FRIENDLY
(72) PROUS, Gabriele	16.09.2021	COSMETICS CONTAINER
PENNATI, Mauro	(22) 01.03.2021	STRUCTURE
(31) 202100014474	(54) INSULATED CONTAINER AND	(73) Zhuhai Ding Rong Plastic Products Co., Ltd
(32) 03.06.2021	METHOD OF ASSEMBLING AN	(72) LIU, Ting-Nan
(33) Italy	INSULATED CONTAINER	(51) B65D 75/58
(51) B65C 9/18	(73) SCA Investments Limited	B65D 85/10
(11) EP4261143	(72) FLETCHER, Andrew	(11) EP4065487
(21) EP23165798.2	(31) 202003545	(21) EP20803958.6
(47) 12.02.2025	(32) 11.03.2020	(47) 12.02.2025
(22) 31.03.2023	(33) United Kingdom	(87) IB2020060414
(54) ADHESIVE APPLICATION APPARATUS	(51) B65D 5/38	03.06.2021
AND BATTERY PRODUCTION	(11) EP3978380	(22) 05.11.2020
LINE HAVING SUCH ADHESIVE	(21) EP21200751.2	(54) A PACKET OF SMOKING ARTICLES
APPLICATION APPARATUS	(47) 12.02.2025	(73) G.D S.p.A.
	(22) 04.10.2021	

(72) POLLONI, Roberto GAMBERINI, Giuliano TACCHI, Alver	B65G 1/06 (11) EP3426575 (21) EP17710223.3 (47) 12.02.2025 (87) EP2017055646 14.09.2017	(73) Marchesini Group S.p.A. (72) MONTI, Giuseppe (31) 202100016544 (32) 24.06.2021 (33) Italy
(31) 201900022266 (32) 27.11.2019 (33) Italy	(22) 10.03.2017 (54) CRASH BARRIER FOR A STORAGE SYSTEM	(51) B65G 47/90 B25J 15/00 B65B 35/16
(51) B65D 85/10 B65D 81/36 G09F 1/06 G09F 19/12 G09F 19/18	(73) Ocado Innovation Limited (72) INGRAM-TEDD, Andrew, John, MALINOWSKI, Jaroslaw BATES, Martyn, Lee	(11) EP4197946 (21) EP22768600.3 (47) 12.02.2025 (87) KR2022007450 04.05.2023
(11) EP4279415 (21) EP21958148.5 (47) 12.02.2025 (87) CN2021128256 30.03.2023	(31) 201604095 (32) 10.03.2016 (33) United Kingdom	(22) 25.05.2022 (54) GRIPPER APPARATUS USING AIR-TUBE
(22) 02.11.2021 (54) FOLDABLE PYRAMID HOLOGRAPHIC PROJECTION IMAGING BODY AND PACKAGING BOX COMPRISING SAME	(51) B65G 1/04 G07F 9/02 G07F 11/58	(73) VTEC Co. Ltd. (72) CHO, Ho-Young (31) 20210143167 (32) 26.10.2021 (33) Korea (Republic)
(73) CHINA TOBACCO YUNNAN INDUSTRIAL CO., LTD (72) HE, Xuefeng CHEN, Fangrui TIAN, Yuan CHEN, Yuzhu HU, Yuehang WANG, Hao YIN, Zhijiang YANG, Xi WU, Ying PEI, Ziyue	(11) EP3842364 (21) EP19885166.9 (47) 12.02.2025 (87) JP2019044079 22.05.2020 (22) 11.11.2019 (54) CONVEYANCE MECHANISM OF ITEM VENDING MACHINE (73) Sanden Retail Systems Corporation (72) TAKAHASHI Dai UEHATA Yugo KIMURA Hideki	(51) B65G 47/90 B65G 47/91 B65B 43/12 B65B 69/00 B65H 31/30 B65H 1/30 B65G 65/00 B65H 1/02 B25J 15/02 B25J 15/06 B65H 5/00
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(54) A BRACKET FOR MOUNTING AN ELECTRONIC DEVICE TO A SHIPPING CONTAINER (73) BlackBerry Limited (72) WANG, Enliang DILL, Scott Leonard	(22) 03.06.2022 (54) PRODUCT CONVEYING SYSTEM AND PRODUCT SUPPORT SYSTEM (73) Power Stow International ApS (72) BONDE, Jens VESTERGAARD, Martin	(73) IWK Verpackungstechnik GmbH (72) BEHRINGER, Thomas (31) 102018000161 (32) 11.01.2018 (33) Germany
(31) 202117464558 (32) 01.09.2021 (33) United States of America	(31) 21177563 (32) 03.06.2021 (33) European Patent Office (EPO)	(51) B65G 53/52 F04C 2/107 B65G 53/08
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(22) 30.04.2020 (54) A PNEUMATICALLY-CONTROLLED FALL PREVENTION MODULE FOR THE REAR OF A TRUCK, AND A DEVICE FOR THE FASTENING OF THIS MODULE TO A SAFETY HARNESS	(11) EP4359304 (21) EP22741374.7 (47) 12.02.2025 (87) IB2022055734 29.12.2022	(73) Seepex GmbH (72) Mottyll, Stephan Rickers, Sebastian (31) 102018106228 (32) 16.03.2018 (33) Germany
(73) Isanimar Seguridad, S.L. (72) SOLER SÁEZ, Nicolás (31) 201930684 U (32) 30.04.2019 (33) Spain	(22) 21.06.2022 (54) A PUSHING APPARATUS FOR PUSHING AND TRANSFERRING PRODUCTS	(51) B65G 57/30 B65G 59/06 (11) EP3643647 (21) EP19205081.3 (47) 12.02.2025
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(54) PALLET EXCHANGER AND LOAD SPLITTER	D01D 13/02	(51) B66B 11/04
(73) QTEK DESIGN LTD.	B65H 23/00	(11) EP4265556
(72) Redman, Paul	H05F 3/04	(21) EP23168005.9
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(32) 24.10.2018	H05F 3/00	(22) 14.04.2023
(33) Canada	(11) EP4332034	(54) DRIVE MACHINE FOR AN ELEVATOR
(51) B65H 3/08	(21) EP23188016.2	(73) ZIEHL-ABEGG SE
B65H 3/44	(47) 12.02.2025	(72) Schoch, Hermann
B65H 3/36	(22) 27.07.2023	Hoppenstedt, Roland
B65H 5/24	(54) YARN PROCESSING APPARATUS AND YARN PROCESSING SYSTEM	Lagies, André
B65H 1/14	(73) TMT Machinery, Inc.	Vetter, Uli
B65H 1/26	(72) INOUE, Ryo	(31) 102022109725
B65H 1/28	YONEKURA, Tosei	(32) 22.04.2022
B65H 3/46	FUJII, Takaaki	(33) Germany
(11) EP4003887	(31) 2022131973	(51) B66B 19/00
(21) EP20745222.8	(32) 22.08.2022	(11) EP4255839
(47) 12.02.2025	(33) Japan	(21) EP21701164.2
(87) EP2020071431	(51) B65H 45/14	(47) 12.02.2025
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(22) 29.07.2020	B43M 3/04	09.06.2022
(54) DENESTING APPARATUS	B65B 25/14	(22) 13.01.2021
(73) Anheuser-Busch InBev S.A.	B65B 11/20	(54) METHOD FOR TRANSFORMING A HYDRAULIC LIFT INTO A TRACTION LIFT
(72) DUPERRAY, Philippe	(11) EP3717389	(73) Doppler S.A.
DEKOCKER, Wim	(21) EP18752936.7	Stavropoulos, Stavros
(31) 19219765	(47) 12.02.2025	(72) STAVROPOULOS, Stavros
19189073	(87) US2018043489	(31) 202000029768
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(72) KAMM, Andre	(33) France	C08G 18/42
KLINKEBIELE, Arne	(51) C08G 59/38	C09J 175/06
	C08G 59/68	C08G 63/672
	C08L 63/04	C08G 63/553
	B29C 43/12	(11) EP4116354
	C08G 59/32	(21) EP21184147.3
	C08G 59/40	(47) 12.02.2025
	C08J 5/24	(22) 07.07.2021
	(11) EP3722356	(54) POLYESTER POLYOL AND THE PREPARATION METHOD THEREOF
	(21) EP18885897.1	(73) Henkel AG & Co. KGaA
	(47) 12.02.2025	(72) Brandt, Adrian

Brenger, Andreas	(11) EP3929234	C09D 4/00
Beck, Horst	(21) EP20759027.4	(11) EP4116095
Kux, Alexander	(47) 12.02.2025	(21) EP21931925.8
(51) C08G 65/40	(87) JP2020006612	(47) 12.02.2025
B29C 67/04	27.08.2020	(87) JP2021041625
C08G 65/46	(22) 19.02.2020	17.11.2022
C08L 71/10	(54) CURED PRODUCT, MODIFIED CURED	(22) 11.11.2021
B33Y 70/00	PRODUCT, AND CURING METHOD	(54) DECORATIVE SHEET AND
(11) EP3880735	(73) Asahi Kasei Kabushiki Kaisha	PRODUCTION METHOD FOR
(21) EP19828287.3	(72) YAMAUCHI, Kazuhiro	DECORATIVE SHEET
(47) 12.02.2025	TODA, Tatsuro	(73) TOPPAN INC.
(87) FR2019052720	SUGAHARA, Tomohiro	(72) AKUTSU, Erika
22.05.2020	(31) 2019028637	(31) 2021080798
(22) 15.11.2019	2019028719	(32) 12.05.2021
(54) REUSABLE POLY(ETHER-KETONE-	2019028667	(33) Japan
KETONE) POWDER FOR SINTERING	2019028764	(51) C08J 11/10
METHOD	(32) 20.02.2019	C08L 67/00
(73) ARKEMA FRANCE	20.02.2019	(11) EP3838976
(72) LE, Guillaume	20.02.2019	(21) EP19218111.3
ILIOPOULOS, Ilias	20.02.2019	(47) 12.02.2025
BRULE, Benoît	(33) Japan	(22) 19.12.2019
(31) 1860538	Japan	(54) PROCESS FOR DEGRADING PLASTIC
(32) 15.11.2018	Japan	PRODUCTS
(33) France	Japan	(73) Carbios
(51) C08G 73/02	(51) C08J 3/22	(72) ALOUI DALIBEY, Madiha
(11) EP4263673	C08L 23/08	(51) C08K 3/32
(21) EP21836193.9	(11) EP3999575	C08K 5/3492
(47) 12.02.2025	(21) EP20754411.5	C08K 5/5313
(87) EP2021086253	(47) 12.02.2025	C08K 5/5317
23.06.2022	(87) US2020040223	C08K 7/14
(22) 16.12.2021	07.01.2021	C08L 77/06
(54) ALKOXYLATED POLYMERIC N-	(22) 30.06.2020	C08L 67/02
(HYDROXYALKYL)AMINE AS WETTING	(54) MOLDED ARTICLES HAVING	C08L 77/02
AGENTS AND AS A COMPONENT OF	DECORATIVE EFFECT, AND METHODS	C08K 5/134
DEFOAMER COMPOSITIONS	FOR PREPARING THE MOLDED	C08K 5/526
(73) BASF SE	ARTICLES	C08K 5/5393
(72) KNISCHKA, Ralf	(73) Dow Global Technologies LLC	C08K 5/098
PIRRUNG, Frank	(72) REYNOSO, Sara Luisa	C08K 5/101
MUELLER-CRISTADORO, Anna Maria	GOMES, Jorge Caminero	(11) EP3665219
GEYER, Florian Ludwig	(31) 201962869771 P	(21) EP18752740.3
(31) 20214393	(32) 02.07.2019	(47) 12.02.2025
(32) 16.12.2020	(33) United States of America	(87) EP2018071444
(33) European Patent Office (EPO)	(51) C08J 7/04	14.02.2019
(51) C08G 77/04	C08J 7/046	(22) 08.08.2018
C08L 33/12	(11) EP3040366	(54) FLAME-RETARDANT POLYAMIDE
C08J 3/22	(21) EP15202722.3	COMPOSITIONS AND USE THEREOF
G02B 5/02	(47) 12.02.2025	(73) Clariant International Ltd
C08J 3/20	(22) 24.12.2015	(72) BAUER, Harald
(11) EP3870631	(54) WINDOW FOR DISPLAY DEVICE AND	SICKEN, Martin
(21) EP19797206.0	DISPLAY DEVICE INCLUDING THE	HÖROLD, Sebastian
(47) 12.02.2025	WINDOW	(31) 102017214046
(87) EP2019079159	(73) Samsung SDI Co., Ltd.	(32) 11.08.2017
30.04.2020	Samsung Electronics Co., Ltd	(33) Germany
(22) 25.10.2019	(72) SONG, Sun Jin	(51) C08K 5/00
(54) A POLYMER COMPOSITION SUITABLE	HONG, Sungwoo	C08K 5/3492
FOR INJECTION MOULDING	CHAE, Jung-ha	C08K 5/52
COMPRISING PARTICLES AND	AHN, Chanjae	C08K 5/5313
COLORANT, ITS METHOD OF	JU, Kyeong-sik	C08K 7/14
PREPARATION AND ITS USE	(31) 20140191068	C08L 77/02
(73) Trinseo Europe GmbH	(32) 26.12.2014	C08L 77/06
(72) QUERUEL, Sylvain	(33) Korea (Republic)	(11) EP3423522
ANDRE, Benoît	(51) C08J 7/046	(21) EP17707211.3
(31) 1859955	C08J 7/04	(47) 12.02.2025
(32) 26.10.2018	C08J 7/18	(87) EP2017053740
(33) France	B05D 3/06	08.09.2017
(51) C08G 77/04	B05D 5/06	(22) 20.02.2017
C09J 183/06	B05D 5/02	(54) FLAME-RETARDANT POLYAMIDE
C08J 7/00	B05D 7/04	COMPOSITION

(73) Clariant International Ltd	A61K 9/20	(21) EP21756227.1
(72) SCHLOSSER, Elke	A61K 47/12	(47) 12.02.2025
HÖROLD, Sebastian	A61K 47/26	(87) JP2021006286
(31) 102016203221	A61K 47/38	26.08.2021
(32) 29.02.2016	C08K 5/053	(22) 19.02.2021
(33) Germany	(11) EP4056637	(54) CURABLE LIQUID SILICONE
(51) C08K 5/00	(21) EP19951364.9	COMPOSITION, CURED PRODUCT
C08K 5/55	(47) 12.02.2025	OF CURABLE LIQUID SILICONE
C07F 7/10	(87) JP2019043583	COMPOSITION, OPTICAL FILLER
C07F 9/6584	14.05.2021	INCLUDING CURABLE LIQUID
(11) EP4019578	(22) 07.11.2019	SILICONE COMPOSITION, AND
(21) EP20217030.4	(54) CELLULOSE COMPOSITION AND	DISPLAY DEVICE INCLUDING LAYER
(47) 12.02.2025	TABLET	COMPRISING CURED PRODUCT
(22) 23.12.2020	(73) Asahi Kasei Kabushiki Kaisha	OF CURABLE LIQUID SILICONE
(54) TRI(2-DIMETHYL-R-OXY-SILICONE)	(72) HAYASHI Yuji	COMPOSITION
BORATE COMPOUND AND	KUMAGAI Tadahiro	(73) Dow Toray Co., Ltd.
SYNTHESIS METHOD THEREOF	(51) C08L 23/12	(72) SUTO, Michitaka
(73) Gulec Chemicals GmbH	(11) EP4194502	OGAWA, Takuya
Gulec ARGE Ltd. Sti.	(21) EP21213962.0	(31) 2020028127
(72) Demiryol, Ilker	(47) 12.02.2025	(32) 21.02.2020
Gülec, Alper Celal	(22) 13.12.2021	(33) Japan
Akkamis, Yagmur	(54) POLYOLEFIN COMPOSITION	(51) C08L 83/07
(51) C08K 5/103	COMPRISING POLYPROPYLENE	G02B 7/00
C08K 5/13	HOMOPOLYMER AND RECYCLED	G02B 1/04
C08K 5/38	PLASTIC MATERIAL	H01L 33/00
C08K 5/526	(73) Borealis AG	H01L 33/56
C08J 3/22	(72) KAHLEN, Susanne Margarete	(11) EP4108728
C08K 5/00	LEGRAS, Angelica Maëlle Delphine	(21) EP21756630.6
C08L 23/04	BRAUN, Hermann	(47) 12.02.2025
(11) EP3962993	MILEVA, Daniela	(87) JP2021006285
(21) EP20724363.5	KASTNER, Erwin	26.08.2021
(47) 12.02.2025	JERABEK, Michael	(22) 19.02.2021
(87) US2020029045	STOCKREITER, Wolfgang	(54) PHOTOCURABLE LIQUID SILICONE
05.11.2020	(51) C08L 59/04	COMPOSITION, CURED ARTICLE
(22) 21.04.2020	C08K 3/22	THEREOF, OPTICAL FILLER
(54) ADDITIVE SYSTEMS CONTAINING	C08K 3/26	CONTAINING SAID COMPOSITION,
AN ANTIOXIDANT AND A GLYCEROL	C08K 3/40	AND DISPLAY DEVICE CONTAINING
STEARATE FOR IMPROVED COLOR IN	C08L 23/16	LAYER COMPRISING CURED ARTICLE
POLYETHYLENE RESINS	C10M 169/04	THEREOF
(73) Chevron Phillips Chemical Company LP	C10N 30/06	(73) Dow Toray Co., Ltd.
(72) KAMPLAIN, Justin W.	C10N 50/00	(72) OGAWA, Takuya
LANIER, Elizabeth M.	(11) EP3604438	(31) 2020028126
(31) 201916396866	(21) EP18777037.5	(32) 21.02.2020
(32) 29.04.2019	(47) 12.02.2025	(33) Japan
(33) United States of America	(87) JP2018010924	(51) C09D 5/00
(51) C08K 9/04	04.10.2018	(11) EP4157947
G01N 23/04	(22) 20.03.2018	(21) EP21725288.1
C08K 3/34	(54) RESIN COMPOSITION FOR ANTI-	(47) 12.02.2025
C08K 5/00	DUST SLIDING MEMBER, ANTI-	(87) US2021027671
C08K 5/1545	DUST SLIDING MEMBER, AND	02.12.2021
C09C 1/40	MANUFACTURING METHOD	(22) 16.04.2021
(11) EP4381013	THEREFOR, WINDOW-REGULATOR	(54) RHEOLOGY MODIFIER AND
(21) EP23751873.3	CARRIER PLATE, AND METHOD FOR	AMINOSILANE WATERBORNE
(47) 12.02.2025	REALIZING ANTI-DUST SLIDING	ADMIXTURE
(87) EP2023071081	PROPERTY	(73) Rohm and Haas Company
01.02.2024	(73) Polyplastics Co., Ltd.	(72) RABASCO, John J.
(22) 28.07.2023	(72) KANDA Yuki	LU, Yujie
(54) DYE-EXCHANGED ZEOLITE MARKER	UEDA Takanori	THOMPSON, Stephen D.
(73) Saes Getters S.p.A.	MONMA Tomohiro	HOSTETTER, Marisa
(72) NUZZO, Anna	(31) 201715475522	(31) 202063029903 P
ZILIO, Stefano	(32) 31.03.2017	(32) 26.05.2020
FIDECKA, Katarzyna	(33) United States of America	(33) United States of America
VACCA, Paolo	(51) C08L 83/07	(51) C09D 5/00
DE SIMONE, Agnello	C08L 83/05	C09D 5/16
(31) 202200016188	G02B 1/04	(11) EP4234643
(32) 29.07.2022	H01L 33/00	(21) EP23175504.2
(33) Italy	H01L 33/56	(47) 12.02.2025
(51) C08L 1/02	(11) EP4108727	(22) 10.11.2017

(54) ANTIFOULING COMPOSITION	TAKAYASU, Satoshi	C09K 8/588
(73) Jotun A/S	(31) PCT/JP2017/036179	E21B 43/16
(72) DAHLING, Marit	(32) 04.10.2017	(11) EP4073201
AXELSSON, Martin	(33) World Intellectual Property Office (WIPO)	(21) EP19848939.5
(31) 201619149	(51) C09J 7/20	(47) 12.02.2025
(32) 11.11.2016	C09J 7/25	(87) IB2019001366
(33) United Kingdom	C09D 4/00	17.06.2021
(51) C09D 11/30	C09D 4/02	(22) 11.12.2019
B41M 5/00	C09D 5/33	(54) METHOD FOR EXTRACTING
C09D 11/54	C09D 7/63	HYDROCARBONS
C09D 11/102	C08J 7/04	(73) TotalEnergies OneTech
C09D 11/107	C08L 67/02	(72) JOLY, Michèle
C09D 11/322	C08F 2/50	MOLINIER, Valérie
(11) EP4324890	C08K 5/101	KLIMENKO, Alexandra
(21) EP22191313.0	C08J 7/046	(51) C09K 17/18
(47) 12.02.2025	(11) EP4169995	A01G 25/00
(22) 19.08.2022	(21) EP22798049.7	(11) EP4259746
(54) PRIMER COMPOSITION FOR INKJET	(47) 12.02.2025	(21) EP21835294.6
PRINTING OF NON- OR LOW-	(87) CN2022079114	(47) 12.02.2025
ABSORPTIVE SUBSTRATES WITH	16.03.2023	(87) EP2021085420
AQUEOUS PIGMENTED INKS	(22) 03.03.2022	23.06.2022
(73) Sihl GmbH	(54) ANTI-BIRDSTRIKE FLEXIBLE FILM	(22) 13.12.2021
(72) OHR, Steffen	AND PREPARATION METHOD	(54) WETTING AGENT COMPRISING A
NIEMÖLLER, Axel	THEREFOR AND APPLICATION	POLYETHOXYLATED SORBITAN
SCHÄFER, Manfred	THEREOF	ESTER AND AT LEAST ONE
KEULDERS, Roy	(73) Nalinv Nanotechnology (Shanghai) Co.,	MANNOSYLERYTHRITOL LIPID
(51) C09D 11/54	Ltd.	(73) Oleon N.V.
C09D 11/38	(72) XIAO, Lin	(72) VAN DER WEEËN, Pieter
C09D 11/40	ZHOU, Yijie	HERY, Sylvie
C09D 11/322	(31) 202111052092	DEPREY, Sophie
(11) EP4259734	(32) 08.09.2021	(31) 2013215
(21) EP21823308.8	(33) China	(32) 14.12.2020
(47) 12.02.2025	(51) C09J 7/38	(33) France
(87) EP2021084413	C09J 7/40	(51) C09K 19/54
23.06.2022	B29C 70/16	C09K 19/12
(22) 06.12.2021	(11) EP3328616	C09K 19/14
(54) PRE-TREATMENT LIQUID FOR USE IN	(21) EP16750265.7	C09K 19/20
INK JET PRINTING	(47) 12.02.2025	C09K 19/30
(73) Canon Production Printing Holding B.V.	(87) IB2016054463	C09K 19/32
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(32) 14.12.2020	EMBEDDED FILAMENTS	G02F 1/13
(33) European Patent Office (EPO)	(73) 3M Innovative Properties Company	G02F 1/1334
(51) C09D 201/00	(72) SHER, Frank T.	C09K 19/04
C09D 7/61	YESHE, Patrick J.	(11) EP3553154
C09D 7/65	ENDLE, James P.	(21) EP17878833.7
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C09D 163/00	(33) United States of America	14.06.2018
C08K 7/22	(51) C09J 153/00	(22) 10.11.2017
C08K 7/26	C08L 23/08	(54) LIQUID CRYSTAL COMPOSITE AND
C08L 101/12	(11) EP4269529	LIQUID CRYSTAL DIMMER ELEMENT
C09D 5/00	(21) EP23160542.9	(73) JNC Corporation
(11) EP3693425	(47) 12.02.2025	JNC Petrochemical Corporation
(21) EP18864527.9	(22) 07.03.2023	(72) MATSUDA, Naoko
(47) 12.02.2025	(54) SPRAYABLE HOT MELT ADHESIVE	SAITO, Masayuki
(87) JP2018015703	IN THE FORM OF PELLETS FOR	KURIHARA, Eriko
11.04.2019	MANUFACTURING DISPOSABLE	(31) 2017145292
(22) 16.04.2018	HYGIENE ARTICLES	2016236385
(54) COATING SOLUTION, METHOD FOR	(73) Colquímica-Indústria Nacional de Colas,	(32) 27.07.2017
PRODUCING COATING FILM, AND	S.A.	06.12.2016
COATING FILM	(72) Fernandes Frutuoso, Cristina Isabel	(33) Japan
(73) Resonac Corporation	Silva Coutinho, Ana Paula	Japan
(72) KOTAKE, Tomohiko	(31) 2023118533	(51) C10G 35/24
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KOGURE, Kaito	(33) Portugal	(21) EP15816787.4
IZUMI, Hiroyuki	(51) C09K 8/584	(47) 12.02.2025

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(73) hte GmbH the high throughput experimentation company	(33) India	C10N 40/16
(72) HAUBER, Christoph	(51) C10L 1/14	(11) EP4386068
KIRCHMANN, Marius	C10L 1/22	(21) EP22306924.6
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(33) Germany	C10M 133/02	(54) USE OF AN ESTER BASED FUNCTIONAL FLUID
(51) C10L 1/10	(11) EP3575386	(73) OLEON NV
C10L 10/02	(21) EP19182876.3	(72) LESCOFFIT, Anne-Elise
C10L 10/06	(47) 12.02.2025	KERBRAT, Marion
C10L 1/222	(22) 28.07.2014	STRUELENS, Pieter
C10L 1/224	(54) FUEL COMPOSITIONS COMPRISING A QUATERNARY AMMONIUM COMPOUND AS AN ADDITIVE	(51) C10M 111/02
C10L 1/23	(73) Innospec Limited	C10M 169/04
C10L 1/238	(72) REID, Jacqueline	C10N 30/00
C10L 1/2387	COOK, Stephen Leonard	C10N 30/06
C10L 1/22	(31) 201313423	C10N 30/12
C10L 1/2383	(32) 26.07.2013	C10N 40/00
C10L 10/04	(33) United Kingdom	C10N 20/00
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(47) 12.02.2025	C10L 10/08	(47) 12.02.2025
(87) IB2021056075	(11) EP4337748	(22) 19.04.2021
13.01.2022	(21) EP22734391.0	(54) BIODEGRADABLE LUBRICANT COMPOSITION
(22) 07.07.2021	(47) 12.02.2025	(73) MARTEEN SPORTS WORLD, S.L.
(54) FUEL ADDITIVES FOR MITIGATING INJECTOR NOZZLE FOULING AND REDUCING PARTICULATE EMISSIONS	(87) US2022029166	(72) Capellades Puig, Guillem
(73) Chevron Oronite Company LLC	17.11.2022	Battle Boix, Laura
Chevron U.S.A. Inc.	(22) 13.05.2022	Benedicto Bardolet, Elisabet
(72) ICKES, Andrew M.	(54) SYNTHETIC LUBRICITY ADDITIVES FOR HYDROCARBON FUELS	(51) C10M 137/04
CHAN, Carrie Y.	(73) Ecolab USA, Inc.	C10M 137/12
NG, Man Kit	(72) SORIANO JR., Nestor U.	C10N 30/00
RUHE JR., William Raymond	LI, Xiaojin H.	C10N 30/06
FUENTES-AFFLICK, Peter A.	EURESTE, Karina	C10N 30/12
KUO, Chung-Hao	DHAWAN, Ashish	C10N 40/14
GUNAWAN, Theresa L.	(31) 202163188095 P	C10N 40/16
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(32) 07.07.2020	(33) United States of America	(21) EP20734043.1
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(51) C10L 1/14	C10N 20/00	(87) EP2020067825
C07C 303/32	C10N 20/02	30.12.2020
C07C 309/17	C10N 30/02	(22) 25.06.2020
C10L 1/24	C10N 30/06	(54) USE OF A PHOSPHORUS COMPOUND AS A NON-CORROSIVE EXTREME- PRESSURE AND ANTI-WEAR ADDITIVE IN A LUBRICANT FOR A PROPULSION SYSTEM OF AN ELECTRIC OR HYBRID VEHICLE
C10L 10/08	C10N 40/02	(73) TotalEnergies OneTech
C10L 1/185	C10N 40/30	(72) GUÉRIN, Julien
C07C 309/22	C10N 50/08	ZHANG, Shimin
C07C 211/14	(11) EP3835395	EL-BAHI, Hakim
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29.09.2022	(22) 30.07.2019	C10M 163/00
(22) 15.09.2021	(54) LUBRICATION METHOD	C10N 10/04
(54) POLYETHYLENEAMINE SALTS OF SULPHONYL OLEIC ACID AND DUAL FUNCTIONAL HYDROCARBON FUEL ADDITIVE COMPOSITION THEREOF	(73) ENEOS Corporation	C10N 20/02
(73) Hindustan Petroleum Corporation Limited	(72) MATSUURA, Hiroshi	C10N 30/00
(72) BHOWMIK, Sandip	KODAMA, Kazushi	C10N 30/02
KOTTARI, Naresh	MASUYAMA, Satoshi	C10N 30/06
RAJU, Chintalapati Siva Kesava	OGATA, Hidetoshi	C10N 40/04
BALASUBRAMANIAM, Ravi	SHONO, Yohei	C10N 40/16
	SHITARA, Yuji	(11) EP3995561
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	C10N 20/02	

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(22) 23.09.2021	(73) Unilever IP Holdings B.V.	(72) CARUS, Mark, Anthony
(54) TRANSMISSION FLUID	(72) THORLEY, David Christopher	BURGESS, Karl
COMPOSITIONS FOR HYBRID AND	BURNHAM, Neil Stephen	CULLEN, Julie
ELECTRIC VEHICLE APPLICATIONS	GRAINGER, David Stephen	BOARDMAN, Christopher
(73) Infineum International Limited	(31) 21203931	(31) 17196284
(72) COGEN, Kerry Lynn	21203927	(32) 13.10.2017
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KIM, Hahnsoo	21.10.2021	A61K 8/46
Watts, Raymond	21.10.2021	A61Q 5/02
GORDA, Keith Raymond	(33) European Patent Office (EPO)	A61Q 19/10
CUNNINGHAM, Matthew	European Patent Office (EPO)	C11D 1/04
Noles, Joe Jnr.	European Patent Office (EPO)	C11D 1/10
(31) 202017072398	(51) C11D 1/29	C11D 1/14
(32) 16.10.2020	C11D 3/10	C11D 1/34
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(51) C10N 30/06	(11) EP4359498	C11D 1/72
C10N 40/30	(21) EP22734297.9	C11D 1/52
C10N 50/10	(47) 12.02.2025	C11D 3/00
C10M 107/38	(87) EP2022066542	C11D 17/00
C10M 119/22	29.12.2022	(11) EP3498811
F25B 1/053	(22) 17.06.2022	(21) EP17839399.7
F25B 41/31	(54) UNIT DOSE CLEANING COMPOSITION	(47) 12.02.2025
(11) EP4130216	(73) Unilever IP Holdings B.V.	(87) JP2017028559
(21) EP21774538.9	(72) RAMACHANDRAN, Rajeesh, Kumar	15.02.2018
(47) 12.02.2025	RAJENDIRAN, Ganesan	(22) 07.08.2017
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30.09.2021	MURALIDHARAN, Girish	(73) Kao Corporation
(22) 22.03.2021	CHATTERJEE, Debosree	(72) ENDO, Hiroko
(54) REFRIGERATION CYCLE DEVICE	SEKHAR KUMAR, Himadri	TABUCHI, Yukiko
IN WHICH A GREASE IS USED AS	(31) 21181564	SAKAI, Takaya
LUBRICANT	21181563	(31) 2016156777
(73) Daikin Industries, Ltd.	(32) 24.06.2021	(32) 09.08.2016
(72) TANAKA, Masaru	24.06.2021	(33) Japan
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(32) 26.03.2020	European Patent Office (EPO)	C11D 3/37
(33) Japan	(51) C11D 1/46	C11D 3/386
(51) C11D 1/06	C11D 1/48	C11D 17/04
C11D 1/14	C11D 3/30	(11) EP4306625
C11D 1/94	(11) EP3814462	(21) EP22184038.2
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(47) 12.02.2025	(87) US2019039439	(54) CONCENTRATED WASHING AGENT
(87) EP2021085185	02.01.2020	COMPOSITION WITH IMPROVED
23.06.2022	(22) 27.06.2019	PROPERTIES
(22) 10.12.2021	(54) CLEANING COMPOSITIONS	(73) Henkel AG & Co. KGaA
(54) USE OF A CLEANING COMPOSITION	COMPRISING ESTERAMINES	(72) Vockenroth, Inga Kerstin
TO IMPROVE COLD CLEANING	(73) The Procter & Gamble Company	Düffels, Arno
PERFORMANCE	(72) LUDOLPH, Bjorn	Sanchez Bastardo, Nuria
(73) Unilever IP Holdings B.V.	MARCZEWSKI, Dawid	(51) C11D 3/386
(72) STEVENSON, Paul, Simon	EBERT, Sophia, Rosa	C12N 9/54
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C11D 3/00	C11D 17/00	COMPRISING PROTEASE VARIANTS
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C11D 17/00	(11) EP3694965	(72) NIELSEN, Jens Erik
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(21) EP22808998.3	(47) 12.02.2025	BORCHERT, Torben Vedel
(47) 12.02.2025	(87) EP2018076840	FRIIS, Esben Peter
(87) EP2022079229	18.04.2019	HANSEN, Peter Kamp
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(22) 10.04.2019	(87) JP2018033019	(22) 11.03.2019
(54) LIQUID DETERGENT COMPOSITION	04.04.2019	(54) METHOD FOR PREPARING 3D BRAIN
COMPRISING SUSPENDED SOLID	(22) 06.09.2018	ORGAN
PARTICLES	(54) OBSERVATION DEVICE,	(73) Zhejiang Huode Bioengineering
(73) Henkel AG & Co. KGaA	OBSERVATION METHOD, AND	Company Limited
(72) Menz, Maren	OBSERVATION PROGRAM	(72) WANG, Anxin
Wrubbel, Noelle	(73) FUJIFILM Corporation	ZOU, Tan
Haetzelt, Andre	(72) MATSUBARA Kenta	FAN, Jing
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(54) PROCESS FOR PREPARING A HOP	(47) 12.02.2025	(47) 12.02.2025
EXTRACT AND A LOW ALCOHOLIC	(22) 12.12.2019	(87) CN2020086659
BEER COMPRISING THE SAME	(54) METHOD FOR SCREENING	14.01.2021
(73) Heineken Supply Chain B.V.	COMPOUNDS THAT HAVE	(22) 24.04.2020
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(31) 20215228	ACTIVITIES AGAINST ENDOTHELIAL	HEPATIC PROGENITOR CELL-LIKE
(32) 17.12.2020	GLYCOCALYX-RELATED DISEASES	CELL BANK, CELL LINES PREPARED
(33) European Patent Office (EPO)	(73) Zhongke Xinray (Suzhou) Biological	THEREFROM AND APPLICATION
(51) C12H 1/07	Technology Co., Limited	THEREOF
C12H 1/044	Calroy Health Sciences, LLC	(73) Shanghai Cryowise Medical Technology
C01B 33/00	(72) DU, Yuguang	Co., Ltd.
B01J 29/03	WANG, Zhuo	Shanghai Celliver Biotechnology Co.,
C01B 33/18	CHEN, Chen	Ltd.
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OF MESOPOROUS SILICA FOR	C12N 5/0775	A61K 38/43
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C12M 1/34	Centre National de la Recherche	(73) The General Hospital Corporation
C12N 13/00	Scientifique (CNRS)	(72) KITAOKA, Maya
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WITH PLATINUM INSERTS	CARRIERE-PAZAT, Audrey	B03C 1/00

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C12N 1/00	(33) Japan	OGAWA, Jun
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(51) C12N 15/10	WAKEFIELD, Darren H.	(73) Life Technologies Corporation
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(11) EP3668978	SELECTING AND MONITORING FOR	(47) 12.02.2025
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(47) 12.02.2025	METHODS FOR USING SAME	17.05.2018
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21.02.2019	Holdings	(54) METHOD FOR DETECTING WHETHER
(22) 20.08.2018	(72) GIL, Jose S.	GLUCOSE METABOLISM IS
(54) METHODS AND KITS FOR	ERICKSON, Stephen	ABNORMAL, AND PREVENTION AND
EXTRACTING NUCLEIC ACIDS FROM	ANDERSON, Dwight Lyman	TREATMENT THEREFOR
PARAFFIN EMBEDDED SAMPLES	NGUYEN, Minh Mindy Bao	(73) Kaohsiung Medical University
(73) Fluidigm Corporation	(31) 201862661739 P	(72) CHUANG, Wan-long
(72) RAMAKRISHNAN, Ramesh	(32) 24.04.2018	DAI, Chia-yen
QIN, Jian	(33) United States of America	YU, Ming-lung
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C12Q 1/6876	(73) Vilmorin & Cie	C12Q 1/6851
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(73) The University of Tokyo	01.07.2021	EXTRACTS EFFECTIVE IN AGED SKIN
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UENO, Toshihide	METHOD	(72) LI, Hui
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(22) 07.12.2021	(54) PHASED NANOPORE ARRAY	C21D 1/667
(54) DETERMINING THE QUANTITY AND	(73) F. Hoffmann-La Roche AG	B22D 7/00
QUALITY OF A DNA LIBRARY	(72) FERNANDEZ-GOMEZ, Santiago	C21D 1/613
(73) Robert Bosch GmbH	MANNEY, J., William	C21D 1/25
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(22) 05.06.2018	FOREIGN TISSUE DETECTION AND	(54) MANUFACTURING METHOD FOR
(54) SINGLE CELL WHOLE GENOME	A PRIMER-PROBE SET USED IN THE	CORROSION-RESISTANT MIRROR DIE
LIBRARIES FOR METHYLATION	ANALYSIS METHOD	STEEL
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(73) Oregon Health & Science University	(72) Savsar, Serkan	Research Institute Co., Ltd.
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(22) 02.08.2019	DETECTION AND TREATMENT	(22) 10.06.2016
(54) MEMBRANE BOUND NUCLEIC ACID	(73) Liquid Biopsy Research LLC	(54) STEEL FOR PRESS HARDENING
NANOPORES	(72) KIDD, Mark	AND PRESS HARDENED PART
(73) UCL Business Ltd	DROZDOV, Ignat	MANUFACTURED FROM SUCH STEEL
(72) XING, Yongzheng	MODLIN, Irvin Mark	(73) ArcelorMittal
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C23C 2/12	(73) Yeda Research and Development Co. Ltd	C04B 35/628
C23C 2/28	(72) LUBOMIRSKY, Igor	C04B 35/645
C23C 2/40	KAPLAN, Valery	C22C 26/00
C23C 8/14	(31) 27345720	C22C 29/02
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PRODUCTIVITY	(21) EP22751113.6	COMPACT AND METHOD FOR
(73) ArcelorMittal	(47) 12.02.2025	MANUFACTURING SAME
(72) DRILLET, Pascal	(87) EP2022071100	(73) SUMITOMO ELECTRIC INDUSTRIES,
STUREL, Thierry	02.02.2023	LTD.
BLAISE, Alexandre	(22) 27.07.2022	Sumitomo Electric Hardmetal Corp.
(31) PCT/IB2018/051546	(54) CRYSTALLIZATION PROCESS FOR	(72) KUKINO, Satoru
(32) 09.03.2018	THE SEPARATION OF METALS	OKAMURA, Katsumi
(33) World Intellectual Property Office (WIPO)	(73) Umicore	ISHII, Akito
(51) C21D 9/70	(72) VERHEES, Pieter	HAMA, Hisaya
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C22C 27/02	(33) European Patent Office (EPO)	(33) Japan
C22B 9/00	(51) C22C 1/00	(51) C22C 38/00
C22B 9/04	C22C 33/00	C22C 38/44
C22C 19/05	C22C 38/00	C22C 38/42
C22C 38/06	C22C 38/12	C22C 38/02
C22C 38/12	B22F 1/00	C22C 38/04
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(73) Gaona Aero Material Co., Ltd.	C22C 38/08	22.08.2019
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(72) HUANG, Shuo	C22C 38/44	(54) NEW DUPLEX STAINLESS STEEL
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(47) 12.02.2025	(72) PAULUSSEN, Steven Jozef Maria	A01K 3/00
(87) US2022071598	(31) 202005850	(11) EP4001551
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(22) 07.04.2022	(32) 25.11.2020	(47) 12.02.2025
(54) CEILING GRID TEE COMPRISING HANGER HOLES	25.11.2020	(22) 17.11.2021
(73) USG Interiors, LLC	(33) Belgium	(54) POST SYSTEM PROVIDED WITH A PROTECTIVE SHEATH
(72) MATHIOT, Nathan	Netherlands	(73) COSNET
O'DONNELL, Michael P.	(51) E04G 11/08	(72) COSNET, Gilbert
GULBRANDSEN, Peder J.	E04B 2/84	(31) 2011810
(31) 202117227891	E04G 17/00	(32) 18.11.2020
(32) 12.04.2021	E04G 17/06	(33) France
(33) United States of America	E04G 17/14	
(51) E04F 10/02	(11) EP4357554	(51) E04H 12/34
D04B 21/16	(21) EP23156720.7	E04H 12/16
(11) EP3755834	(47) 12.02.2025	B66C 1/10
(21) EP19713095.8	(22) 15.02.2023	B66C 23/20
(47) 12.02.2025	(54) METHOD AND FORMWORK SYSTEM	F03D 13/20
(87) FR2019050405	FOR PRODUCING A CONCRETE WALL	(11) EP4013927
29.08.2019	(73) Weingartner, Gerhard	(21) EP20757847.7
(22) 21.02.2019	(72) Weingartner, Gerhard	(47) 12.02.2025
(54) FABRIC INCLUDING A LAYER OF REINFORCING YARNS AND AWNING COMPRISING SAID FABRIC	(31) 1962022	(87) EP2020072520
(73) Serge Ferrari SAS	(32) 17.10.2022	18.02.2021
(72) SAIZ, Carlos	(33) Austria	(22) 11.08.2020
(31) 1851595	(51) E04H 4/08	(54) ASSEMBLY CROSSBEAM AND METHOD FOR DRAWING IN CABLE-LIKE ELEMENTS, IN PARTICULAR TENDONS, ALONG A TOWER OF A WIND TURBINE
(32) 23.02.2018	E04H 4/10	(73) Wobben Properties GmbH
(33) France	B65D 88/34	(72) FLESSNER, Günter
(51) E04F 11/18	(11) EP4341516	SZELAG, Michael
E06B 3/54	(21) EP22724405.0	COORDES, Thomas
E06B 11/00	(47) 12.02.2025	(31) 102019122021
E06B 1/00	(87) AT2022060168	(32) 15.08.2019
(11) EP4341508	24.11.2022	(33) Germany
(21) EP22721897.1	(22) 13.05.2022	
(47) 12.02.2025	(54) COVER DEVICE	(51) E04H 15/50
(87) IB2022053943	(73) Hof, Georg	E04H 15/46
24.11.2022	(72) Hof, Georg	(11) EP3880905
(22) 28.04.2022	(31) 503992021	(21) EP19883710.6
(54) SUPPORT EQUIPMENT FOR PANELS	(32) 20.05.2021	(47) 12.02.2025
(73) Mypro Research S.r.l.	(33) Austria	(87) CN2019116580
(72) BRUN, Giancarlo	(51) E04H 4/16	22.05.2020
(31) 202100012608	(11) EP3973118	(22) 08.11.2019
(32) 17.05.2021	(21) EP20809142.1	(54) A COLLAPSIBLE CANOPY WITH A CENTRAL LOCK AND REINFORCEMENT BARS
(33) Italy	(47) 12.02.2025	(73) Zhejiang Huiguan Leisure Products Co., Ltd.
(51) E04F 13/08	(87) IB2020054860	(72) BIAN, Jing
(11) EP3951115	26.11.2020	YANG, Shengyong
(21) EP21189929.9	(22) 21.05.2020	(31) 201816188273
(47) 12.02.2025	(54) POOL CLEANER WITH RELEASABLE BRUSH ASSEMBLY	(32) 12.11.2018
(22) 05.08.2021	(73) Intex Marketing Ltd.	(33) United States of America
(54) A CLADDING ASSEMBLY	(72) ZHANG, Wen Xiao	
(73) Kevington Building Products Limited	HUANG, Zhi Xiong	(51) E05B 1/00
(72) SAUNDERS, Robert	(31) 201920735173 U	E05B 3/00
DURRANT, Iain	(32) 21.05.2019	E05B 65/00
BATTERHAM, Andrew	(33) China	E05C 19/16
(31) 202012189	(51) E04H 9/02	(11) EP4372188
(32) 05.08.2020	(11) EP3540151	
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(21) EP23200602.3	PROCESS FOR PREPARING FOR USE	(22) 06.12.2021
(47) 12.02.2025	A REKEYABLE CYLINDER	(54) MOTOR VEHICLE LOCK
(22) 28.09.2023	(73) Alban Giacomo S.p.A.	(73) Brose Schließsysteme GbmH & Co.
(54) LOCK FOR A DOOR OR A WINDOW	(72) ALBAN, Giacomo Mario	Kommanditgesellschaft
(73) Alban Giacomo S.p.A.	(31) 202200027039	(72) BOGORATS, Arkadi
(72) ALBAN, Giacomo Mario	(32) 28.12.2022	(31) 102020133537
(31) 202200023691	(33) Italy	(32) 15.12.2020
(32) 16.11.2022	(51) E05B 47/00	(33) Germany
(33) Italy	(11) EP3631128	(51) E05D 3/10
(51) E05B 15/00	(21) EP18739925.8	E05D 3/12
E05C 1/04	(47) 12.02.2025	E05D 3/18
E05B 47/02	(87) IB2018053802	(11) EP3936691
E05B 47/00	06.12.2018	(21) EP21179233.8
E05B 65/44	(22) 29.05.2018	(47) 12.02.2025
(11) EP4257782	(54) DRIVING DEVICE FOR UNLOCKING	(22) 14.06.2021
(21) EP22208745.4	AND LOCKING A LOCK	(54) HINGE
(47) 12.02.2025	(73) Tedee IP spolka z ograniczona	(73) Federal Signal Vama, S.A.U.
(22) 22.11.2022	odpowiedzialnoscia	(72) MUÑOZ GARCIA, Juan Jose
(54) ELECTRONIC LOCK	(72) Litwinski, Artur	(31) 202030704
(73) King Slide Technology Co., Ltd.	(31) 42176617	(32) 09.07.2020
(72) SU, Hsin-Cheng	42176517	(33) Spain
CHEN, Ken-Ching	(32) 31.05.2017	(51) E05D 15/42
LIN, Shu-Chen	31.05.2017	B60J 5/10
LIU, Chun-Ta	(33) Poland	B60J 5/12
(31) 111111790	Poland	E05F 1/10
(32) 25.03.2022	(51) E05B 63/00	E05F 15/63
(33) Taiwan, Chinese Taipei	E05C 9/02	E05F 15/652
(51) E05B 17/00	E05B 17/22	E05F 15/655
E05B 77/04	E05C 1/00	(11) EP4174269
E05B 85/10	E05C 9/22	(21) EP22204482.8
(11) EP3795781	E05C 9/20	(47) 12.02.2025
(21) EP20382830.6	E05B 47/00	(22) 28.10.2022
(47) 12.02.2025	(11) EP4130413	(54) DOOR OPENING AND CLOSING
(22) 21.09.2020	(21) EP22188669.0	DEVICE
(54) OPENING LOCK SYSTEM FOR A	(47) 12.02.2025	(73) AISIN CORPORATION
VEHICLE DOOR	(22) 04.08.2022	(72) KIRYU, Tomohito
(73) Seat, S.A.	(54) EXTENSION DEVICE FOR A FRAME	MORIOKA, Toshimitsu
(72) GRISALEÑA, Juan José	AND DETECTION SYSTEM	(31) 2021176528
GONZALVEZ, David Andrés	(73) Somfy Activites SA	(32) 28.10.2021
(31) 201930813	(72) GARBY, Thierry	(33) Japan
(32) 19.09.2019	SERVE, David	(51) E05F 15/603
(33) Spain	(31) 2108525	E05F 15/611
(51) E05B 19/20	(32) 05.08.2021	E05F 15/632
(11) EP3828365	(33) France	E05F 15/643
(21) EP19778561.1	(51) E05B 83/34	H02K 5/04
(47) 12.02.2025	E05B 81/64	H02K 1/18
(87) ES2019070507	E05C 19/02	H02K 7/116
30.01.2020	E05B 81/06	(11) EP3835528
(22) 19.07.2019	E05B 81/36	(21) EP19214422.8
(54) METHOD AND SYSTEM FOR OPENING	E05B 17/10	(47) 12.02.2025
LOCKS	E05C 5/02	(22) 09.12.2019
(73) Pumpam Solutions S.L.	(11) EP3825498	(54) DOOR ASSEMBLY WITH A MOTOR
(72) GASCON GARRALAGA, Jaime	(21) EP20190279.8	UNIT HAVING A BENEFICIAL BASIC
Bernardo	(47) 12.02.2025	DESIGN
(31) 201830748	(22) 10.08.2020	(73) dormakaba Deutschland GmbH
(32) 24.07.2018	(54) LINEAR RECIPROCATING-MOTION	(72) Busch, Sven
(33) Spain	APPARATUS	Finke, Andreas
(51) E05B 27/00	(73) Ansei Corporation	Wagner, Martin
E05B 9/08	(72) NODA, Masaaki	Finis, Dietmar
E05B 17/00	(31) 2019211949	(51) E06B 1/52
(11) EP4394152	(32) 25.11.2019	E06B 1/70
(21) EP23206186.1	(33) Japan	E06B 3/02
(47) 12.02.2025	(51) E05B 85/26	E06B 3/34
(22) 26.10.2023	(11) EP4263984	E06B 7/21
(54) REKEYABLE CYLINDER FOR A	(21) EP21820619.1	E06B 1/60
LOCK, METHOD FOR PRODUCING	(47) 12.02.2025	E06B 3/36
A REKEYABLE CYLINDER AND	(87) EP2021084311	E06B 7/36
	23.06.2022	(11) EP4074933

(21) EP22163445.4	(33) Germany	(72) WIJNING, Diederick Bernardus
(47) 12.02.2025	(51) E06B 9/15	HESSELS, Hendrik
(22) 22.03.2022	E06B 9/17	ROODENBURG, Joop
(54) DOOR SYSTEM FOR INSTALLATION IN A DOOR OPENING OF A WALL	E06B 9/70	(31) 1040202
(73) Scharnagl, Josef	E06B 9/174	(32) 06.05.2013
Elmer, Nataliya	(11) EP4397835	(33) Netherlands
Elmer, Hubert	(21) EP23020574.2	(51) E21B 17/02
(72) Elmer, Nataliya	(47) 12.02.2025	E21B 47/12
Elmer, Hubert	(22) 22.12.2023	E21B 3/02
Scharnagl, Josef	(54) ROLLER SHUTTER FOR DOORS	(11) EP4139554
(31) 502782021	(73) Olivero, Stefano	(21) EP21718071.0
102021109396	(72) Olivero, Stefano	(47) 12.02.2025
(32) 14.04.2021	(31) 202200021780	(87) EP2021058942
14.04.2021	(32) 27.12.2022	28.10.2021
(33) Austria	(33) Italy	(22) 06.04.2021
Germany	(51) E06B 9/72	(54) DEVICE FOR DATA AND/OR POWER TRANSMISSION ON A DRILLING RIG OR A HANDLING WINCH
(51) E06B 3/22	(11) EP4095345	(73) think and vision GmbH
E06B 3/54	(21) EP22175056.5	(72) RAMSAUER, Medardus
(11) EP3040502	(47) 12.02.2025	KOTOV, Anton
(21) EP14200404.3	(22) 24.05.2022	LAMIK, Abdelrhani
(47) 12.02.2025	(54) TUBULAR DRIVE FOR ROLLER SHUTTER	(31) 1002020
(22) 29.12.2014	(73) Nice S.p.A.	(32) 25.04.2020
(54) Casement window or framework for a fire resistant window or a fire resistant door	(72) La Fortezza, Francesco	(33) Austria
(73) Smits Gemert B.V.	Perisan, Stefano	(51) E21B 23/02
(72) Fivie, Cornelis	(31) 202100014093	E21B 23/03
(51) E06B 3/263	(32) 28.05.2021	(11) EP3374592
(11) EP4118286	(33) Italy	(21) EP16863256.0
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(47) 12.02.2025	E06C 7/18	(87) CA2016000278
(87) IB2021051988	E06C 1/22	18.05.2017
16.09.2021	(11) EP4163467	(22) 10.11.2016
(22) 10.03.2021	(21) EP20940276.7	(54) APPARATUSES AND METHODS FOR LOCATING WITHIN A WELLBORE
(54) PROFILE PROVIDED WITH AN IDENTIFICATION AND A WINDOW, DOOR OR FAÇADE EQUIPPED THEREWITH	(47) 12.02.2025	(73) NCS Multistage Inc.
(73) REYNAERS ALUMINIUM naamloze vennootschap	(87) CN2020095125	(72) WERRIES, Michael
(72) RASKER, Erik Joris R.	16.12.2021	MONTERO, Juan
(31) 202005169	(22) 09.06.2020	(31) 201662402505 P
(32) 10.03.2020	(54) LATERAL STABILIZER DEVICE FOR WORKING LADDER	201662355063 P
(33) Belgium	(73) Shih, Chang-I	201562253448 P
(51) E06B 3/30	(72) Shih, Chang-I	(32) 30.09.2016
E06B 3/58	(51) E21B 7/15	27.06.2016
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(21) EP22212733.4	(21) EP22729312.3	(33) United States of America
(47) 12.02.2025	(47) 12.02.2025	United States of America
(22) 12.12.2022	(87) SE2022050472	United States of America
(54) FRAME PROFILE ASSEMBLY	05.01.2023	(51) E21B 23/02
(73) Veka AG	(22) 16.05.2022	E21B 31/20
(72) Brünemann, Dirk	(54) A PULSED POWER DRILLING TOOL AND A METHOD FOR BREAKING A MINERAL SUBSTRATE	(11) EP4417782
(31) 102021132878	(73) Epiroc Rock Drills Aktiebolag	(21) EP23157151.4
(32) 14.12.2021	(72) JAKOBSSON, Erik	(47) 12.02.2025
(33) Germany	MERKEL, Harald	(22) 17.02.2023
(51) E06B 3/98	(31) 2130178	(54) TOOL FOR A COILED TUBING LOGGING PLUG
(11) EP4332340	(32) 28.06.2021	(73) Azmey, Adel
(21) EP23194134.5	(33) Sweden	(72) AZMEY, Adel
(47) 12.02.2025	(51) E21B 15/00	LAMONT, Paul
(22) 30.08.2023	E21B 15/02	(51) E21B 23/02
(54) PART OF A SUPPORTING FRAME WITH CORNER CONNECTOR	E21B 19/14	E21B 31/20
(73) B-Components GmbH	E21B 19/15	(11) EP4417783
(72) Toth, Barnabas	(11) EP4144953	(21) EP23157152.2
(31) 102022121874	(21) EP22202008.3	(47) 12.02.2025
(32) 30.08.2022	(47) 12.02.2025	(22) 17.02.2023
	(22) 03.03.2014	(54) TOOL FOR COILED TUBING LOGGING PLUG
	(54) WELLBORE DRILLING SYSTEM	(73) Azmey, Adel
	(73) Itrec B.V.	(72) AZMEY, Adel

LAMONT, Paul	(47) 12.02.2025	(32) 10.06.2021
(51) E21B 29/00	(87) US2020065789	(33) United States of America
E21B 31/16	01.07.2021	(51) F01D 11/00
E21B 31/20	(22) 18.12.2020	F01D 9/04
(11) EP4330513	(54) DRILLING CONTROL	F01D 9/06
(21) EP22729830.4	(73) GeoQuest Systems B.V.	(11) EP3875736
(47) 12.02.2025	(72) BELASKIE, James	(21) EP21160256.0
(87) NO2022050102	MEEHAN, Richard	(47) 12.02.2025
03.11.2022	(31) 201962954349 P	(22) 02.03.2021
(22) 02.05.2022	(32) 27.12.2019	(54) SEALING DEVICE FOR A
(54) AXIAL POSITION-CONTROLLED	(33) United States of America	TURBOMACHINE, CARRIER RING
OPERATION TOOLSTRING AND	(51) E21D 11/08	FOR A SEALING DEVICE AND
METHOD	E02D 17/04	TURBOMACHINE
(73) Archer Oiltools AS	E21D 11/04	(73) MTU Aero Engines AG
(72) LØLAND, Atle	E02D 17/08	(72) Schlemmer, Markus
KROGSÆTER, Kurt Luis	E21D 9/00	Schmidt-Petersen, Julia
TORVESTAD, Bjørn Tore	E02D 31/02	(31) 102020202862
FAGNA, Jan-Ove	(11) EP3485143	(32) 06.03.2020
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(32) 30.04.2021	(47) 12.02.2025	(51) F01D 11/00
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(51) E21B 29/02	18.01.2018	F16J 15/14
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(21) EP22192229.7	(54) PRECAST CONCRETE PANELS USED	F16J 15/34
(47) 12.02.2025	AS SURFACE LINING OF PERIMETER	(11) EP3663529
(22) 16.08.2019	SURFACES OF EXCAVATIONS	(21) EP19212610.0
(54) IMPROVED TOOL FOR MANIPULATING	(73) Curtis, Mark Robert Edmund	(47) 12.02.2025
A TARGET	(72) Curtis, Mark Robert Edmund	(22) 29.11.2019
(73) Spex Corporate Holdings Limited	(31) 2016204976	(54) HIGH TEMPERATURE COMPOSITE
(72) YOUNGER, Rae Andrew	(32) 15.07.2016	SEAL
OAG, James George	(33) Australia	(73) RTX Corporation
(31) 201813446	(51) F01B 9/02	(72) DAVIS, Kerry Lynn
(32) 17.08.2018	F02B 75/24	BOGUE, William
(33) United Kingdom	F02B 75/32	(31) 201816210528
(51) E21B 41/00	F16H 21/36	(32) 05.12.2018
E21B 43/267	F16C 3/04	(33) United States of America
C09K 8/60	(11) EP4051876	(51) F01D 11/12
C09K 8/80	(21) EP20881761.9	(11) EP4219910
(11) EP3368738	(47) 12.02.2025	(21) EP23166176.0
(21) EP16732764.2	(87) AU2020051170	(47) 12.02.2025
(47) 12.02.2025	06.05.2021	(22) 03.12.2019
(87) IB2016053635	(22) 29.10.2020	(54) CMC HONEYCOMB BASE FOR
16.02.2017	(54) INTERNAL COMBUSTION ENGINE	ABRADABLE COATING ON CMC BOAS
(22) 17.06.2016	HAVING CRANKSHAFT GUIDE	(73) RTX Corporation
(54) METHOD FOR PERMANENT STORAGE	(73) ASF Technologies (Australia) Pty Ltd	(72) CLARK, Thomas E.
OF CARBON DIOXIDE IN SHALE	(72) KAVARNOS, Emmanuel	BARKER, William M.
RESERVOIRS	PERSONIS, Dimitrios	(31) 201816207918
(73) Prostim Labs, LLC	TAMBA, Richard Terrence	(32) 03.12.2018
(72) THRASH, John	FOUNTAIN, Graham Harry	(33) United States of America
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09.06.2016	F01D 5/18	(22) 30.07.2015
02.11.2015	F01D 5/20	(54) ACTUATION APPARATUS FOR AN AIR
12.08.2015	F01D 11/08	MODULATING SYSTEM OF A GAS
(33) United States of America	F01D 11/10	TURBINE
United States of America	(11) EP4102030	(73) RTX Corporation
United States of America	(21) EP22175934.3	(72) HO, Melanie
United States of America	(47) 12.02.2025	CARNAVOS, Kristine Marie
(51) E21B 47/12	(22) 27.05.2022	BOUCHER, Edward
E21B 44/00	(54) TIP SHROUD WITH EXIT SURFACE	KANTANY, Nicholas W.
E21B 19/10	FOR COOLING PASSAGES	PETERS, Donald W.
E21B 47/04	(73) General Electric Technology GmbH	FARAH, Jorge I.
E21B 7/06	(72) BALKCUM III, James Tyson	COVINO, Adam
(11) EP4081697	ZEMITIS, William Scott	(31) 201514630228
(21) EP20905127.5	(31) 202117343864	201462078565 P

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(32) 24.02.2015	SYSTEM AND OPERATION CONTROL	(87) EP2022070289
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01.10.2014	(73) Doosan Enerbility Co., Ltd.	(22) 20.07.2022
(33) United States of America	Seoul National University R & DB	(54) EXHAUST GAS PURIFICATION
United States of America	Foundation	SYSTEM FOR PURIFYING EXHAUST
United States of America	(72) HA, Hong Geun	GAS OF GASOLINE ENGINES
(51) F01D 17/16	KIM, Do Hoon	(73) Umicore AG & Co. KG
F02K 3/02	LEE, Se Hyeok	(72) RICHTER, Joerg-Michael
F02C 9/20	KIM, Min Soo	BRAUN, Carolin
F02K 3/04	CHA, Song Hun	SCHOENHABER, Jan
(11) EP3722565	(31) 20220159702	PALM, Tim
(21) EP20168376.0	(32) 24.11.2022	(31) 102021118803
(47) 12.02.2025	(33) Korea (Republic)	(32) 21.07.2021
(22) 07.04.2020	(51) F01K 23/10	(33) Germany
(54) AFTER-FAN SYSTEM FOR A GAS	F01K 13/02	(51) F01N 3/025
TURBINE ENGINE	(11) EP4298324	F01N 3/20
(73) RTX Corporation	(21) EP22707617.1	(11) EP4314505
(72) CHAKKA, Pitchaiah Vijay	(47) 12.02.2025	(21) EP22717563.5
WINTER, Michael	(87) EP2022025063	(47) 12.02.2025
SIDELKOVSKIY, Dmitriy B	01.09.2022	(87) EP2022057445
KUPRATIS, Daniel Bernard	(22) 24.02.2022	29.09.2022
(31) 201962831953 P	(54) POWER PLANT FOR GENERATING	(22) 22.03.2022
(32) 10.04.2019	ELECTRIC POWER FOR AN	(54) BURNER FOR A MOTOR VEHICLE
(33) United States of America	ELECTRIC GRID COMPRISING AN	(73) Mercedes-Benz Group AG
(51) F01D 17/16	ELECTROLYZER POWERED BY THE	(72) ZOELLER, Herbert
F04D 29/56	ELECTRIC GRID	(31) 102021001584
F04D 29/64	(73) Nuovo Pignone Tecnologie - S.r.l.	(32) 25.03.2021
(11) EP3810903	(72) GIANCOTTI, Marco	(33) Germany
(21) EP19731293.7	PELLEGRINI, Tiziano	(51) F01N 3/20
(47) 12.02.2025	(31) 202100004421	F01N 13/00
(87) EP2019066318	(32) 25.02.2021	F16L 41/02
26.12.2019	(33) Italy	B01D 35/31
(22) 20.06.2019	(51) F01L 1/18	B01D 29/90
(54) TURBINE ENGINE OUTER SHROUD	F01L 1/047	B01D 29/15
(73) Safran Aero Boosters SA	(11) EP4158162	(11) EP3620220
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(73) Corning Incorporated	Friedlein, Florian	(51) F02C 7/12
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(73) L'AIR LIQUIDE, SOCIÉTÉ ANONYME	(11) EP3365564	(32) 31.05.2021
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(32) 02.03.2020	PARTS TO CONCRETE OR MASONRY	(54) SECURING RING
(33) France	(73) Ludwig Hettich Holding GmbH & Co. KG	(73) Tridonic GmbH & Co. KG
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(33) France	(31) 201801654	(73) Penn Engineering & Manufacturing Corp.
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B21D 39/03	11.07.2017	F16B 37/08
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(22) 04.06.2019	F16B 3/00	PLATE
(54) MECHANICAL JOINING OF NITINOL	(11) EP4426955	(73) TECE GmbH
TUBES	(21) EP22818796.9	(72) Heitjans, Julian
(73) Viant AS&O Holdings, LLC	(47) 12.02.2025	Meiermann, André
(72) HOKLAS, Timothy	(87) EP2022082639	Wagner, Utz
WOOD, Michael D.	08.06.2023	Rottwinkel, Sven
BROADLEY, Mark	(22) 21.11.2022	Krabbe, Martin
COONEY, Jim	(54) CONNECTION DEVICE	Backherms, Florian
(31) 201816222312	(73) Fidlock GmbH	Schnippe, Timo
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F16C 33/12	FRIETSCH, Frank	BECHT, Andreas
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(54) AN OSCILLATION BEARING	B62D 63/08	F16F 9/02
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F16C 33/20	(22) 31.03.2022	(73) Vapsint S.r.l.
F16C 41/00	(54) BRAKING DEVICE	(72) BROKKAAR, Michiel
B23Q 16/06	(73) Thiel, Karl	DAL CIN, Andrea
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(54) AXIAL-RADIAL SLIDING BEARING	(11) EP4290094	DAMPER
(73) igus GmbH	(21) EP22461566.6	(73) BeijingWest Industries Co. Ltd.
(72) SZEPOKAT, David	(47) 12.02.2025	(72) SLUSARCZYK, Pawel
SELZER, Ralf	(22) 08.06.2022	FRANCZYK, Bartlomiej
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Germany	BLACHUT, Aleksander	United States of America
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(22) 24.03.2023	MANUFACTURING METHOD THEREOF	29.09.2022
(54) HARMONY BALL BEARING	(73) Brembo S.p.A.	(22) 24.03.2022
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(72) Alexandrou, Charis	(31) 202100009803	ITS TRANSMISSION SYSTEM
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(47) 12.02.2025	C21D 5/00	GAZZANEO, Giuseppe
(22) 21.04.2022	C21D 1/607	PIERMATTEO, Carlo
(54) ASYMMETRIC MECHANICAL TORQUE	C21D 9/00	(31) 202100007196
LIMITER	C22C 37/00	(32) 24.03.2021
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(72) SERRAND, Maxime	(11) EP4185787	(51) F16G 13/06
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(54) DECOUPLING DEVICE AND	(72) ENGLERT, Karl-Otto	(72) WULF, Tobias
DECOUPLING SYSTEM	LE BARZIC, Laurent	HEBBECKER, Thomas
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(72) Rehfus, Kevin	(21) EP21168146.5	(31) 2018229106
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NABANA, Yusuke	12.05.2022	LIN, Xiaofa
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(72) WALTER, Stefan	(54) VALVE DEVICE	REINHARDT, Holger
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G05D 16/04	(73) DOYMA GmbH & Co	B64C 13/40
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(73) Emerson Process Management Regulator Technologies, Inc.	(51) F16L 11/08	(72) FAULKNER, Dale V. L.
(72) GLODAN, Radu-Vasile	F16L 11/112	TAYLOR, Alexander Douglas
DANGEANU, Harry Bogdan	(11) EP3907421	(51) F16L 13/14
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(72) ZUURMOND, Johannes VAN DER BILT, Casper	(11) EP4293270	(73) HEBB B.V.
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(51) F16L 41/16	(54) APPARATUS COMPRISING A WALL FRAME AND AN APPLICATION FRAME, WHEREIN THE APPLICATION FRAME IS MOVABLE WITH RESPECT TO THE WALL FRAME	(33) Netherlands
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F16L 41/14	JEURISSEN, Thijs	(21) EP22733088.3
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YAMADA, Takuro	VIDAL CLOS, Andreu	(73) LG Electronics Inc.
(51) F25B 33/00	KOLDA, Michal	(72) LEE, Wookyoung
(11) EP4370846	CANADE TARQUINI, Esteban	LEE, Donghoon
(21) EP22741296.2	(51) F25B 49/02	YEOM, Seungseob
(47) 12.02.2025	F25B 49/00	LEE, Donghoon
(87) EP2022069321	F24F 11/36	SON, Sunggyun
19.01.2023	(11) EP3604980	BAE, Yongjun
(22) 11.07.2022	(21) EP18774971.8	PARK, Chongyoung
(54) DIRECT FLAME BOILER FOR	(47) 12.02.2025	(31) 20190081693
THERMAL ABSORPTION MACHINES	(87) JP2018012122	20180142117
AND VAPOUR GENERATOR	04.10.2018	20180117785
INCLUDING SUCH A BOILER	(22) 26.03.2018	20180117822
(73) Politecnico di Milano	(54) A REFRIGERATION APPARATUS	20180117821
(72) PISTOCCHINI, Lorenzo	(73) Daikin Industries, Ltd.	20180117819
MOTTA, Mario Gualtiero Francesco	(72) TAIRA, Shigeharu	(32) 06.07.2019
APRILE, Marcello	MINAMIDA, Tomoatsu	16.11.2018
TOPPI, Tommaso	HAIKAWA, Tomoyuki	02.10.2018
(31) 202100018272	(31) 2017072646	02.10.2018
(32) 12.07.2021	(32) 31.03.2017	02.10.2018
(33) Italy	(33) Japan	02.10.2018
(51) F25B 33/00	(51) F25C 1/00	(33) Korea (Republic)
(11) EP4370845	B67D 1/00	Korea (Republic)
(21) EP22741293.9	B65B 3/32	Korea (Republic)
(47) 12.02.2025	(11) EP3853536	Korea (Republic)
(87) EP2022069295	(21) EP19876324.5	Korea (Republic)
19.01.2023	(47) 12.02.2025	Korea (Republic)
(22) 11.07.2022	(87) CN2019112563	(51) F25C 1/18
(54) RECTIFIER FOR A GENERATOR	30.04.2020	F25C 5/04
OF REFRIGERANT VAPOUR FOR	(22) 22.10.2019	F25C 5/20
ABSORPTION THERMAL MACHINES,	(54) PRECISE FILL DISPENSING SYSTEM	(11) EP3862677
AND GENERATOR COMPRISING	FOR AN APPLIANCE	(21) EP19869502.5
SUCH RECTIFIER	(73) Haier Smart Home Co., Ltd.	(47) 12.02.2025
(73) Politecnico di Milano	Qingdao Haier Refrigerator Co., Ltd.	(87) KR2019012871
(72) PISTOCCHINI, Lorenzo	Haier US Appliance Solutions, Inc.	09.04.2020
TOPPI, Tommaso	(72) JUNG, Brent Alden	(22) 01.10.2019
MOTTA, Mario Gualtiero Francesco	MITCHELL, Alan Joseph	(54) REFRIGERATOR
APRILE, Marcello	BESORE, John Keith	(73) LG Electronics Inc.
(31) 202100018323	KYRIACOU, Stephanos	(72) SON, Sunggyun
(32) 12.07.2021	(31) 201816168879	LEE, Donghoon
(33) Italy	(32) 24.10.2018	YEOM, Seungseob
(51) F25B 47/02	(33) United States of America	PARK, Chongyoung
F25B 49/02	(51) F25C 1/04	LEE, Donghoon
F25B 25/00	F25D 17/06	BAE, Yongjun
F25B 13/00	(11) EP4033182	LEE, Wookyoung
(11) EP3859244	(21) EP20866814.5	(31) 20190081711
(21) EP18935245.3	(47) 12.02.2025	20180142117
(47) 12.02.2025	(87) CN2020115756	20180117785
(87) JP2018036575	25.03.2021	20180117822
02.04.2020	(22) 17.09.2020	20180117821
(22) 28.09.2018	(54) ICE-MAKING DEVICE AND	20180117819
(54) AIR-CONDITIONER	REFRIGERATOR WITH IT	(32) 06.07.2019
(73) Mitsubishi Electric Corporation	(73) QINGDAO HAIER REFRIGERATOR	16.11.2018
(72) KADOWAKI, Kimitaka	CO., LTD.	02.10.2018
MOTOMURA, Yuji	AQUA CO., LTD	02.10.2018
TAKENAKA, Naofumi	HAIER SMART HOME CO., LTD.	02.10.2018
AZUMA, Koji	(72) TOYOSHIMA, Masashi	02.10.2018
WASHIYAMA, Hiroki	(31) 2019169312	(33) Korea (Republic)
(51) F25B 49/02	(32) 18.09.2019	Korea (Republic)

Korea (Republic)	Emanuelli, Marco	(31) 202200008306
Korea (Republic)	(51) F25D 11/02	(32) 27.04.2022
Korea (Republic)	(11) EP4206571	(33) Italy
Korea (Republic)	(21) EP21868438.9	(51) F25D 19/00
(51) F25C 1/18	(47) 12.02.2025	F25D 11/02
F25C 5/08	(87) CN2021115629	F25D 23/00
F25C 5/187	24.03.2022	(11) EP4174412
(11) EP3861263	(22) 31.08.2021	(21) EP21857506.6
(21) EP19870035.3	(54) REFRIGERATOR PROVIDED WITH	(47) 12.02.2025
(47) 12.02.2025	SEALED DRAWER ON DOOR BODY	(87) CN2021110593
(87) KR2019012979	(73) Haier Smart Home Co., Ltd.	24.02.2022
09.04.2020	Qingdao Haier Refrigerator Co., Ltd.	(22) 04.08.2021
(22) 02.10.2019	(72) LI, Jiaming	(54) REFRIGERATOR HAVING
(54) REFRIGERATOR	LYU, Peng	EVAPORATOR DISPOSED AT BOTTOM
(73) LG Electronics Inc.	ZHANG, Hao	OF REFRIGERATOR BODY
(72) YEOM, Seungseob	CUI, Zhanpeng	(73) Qingdao Haier Refrigerator Co., Ltd.
LEE, Wookyoung	(31) 202010969235	Haier Smart Home Co., Ltd.
PARK, Chongyoung	(32) 15.09.2020	(72) LIU, Jianru
LEE, Donghoon	(33) China	WANG, Shaoyi
LEE, Donghoon	(51) F25D 17/04	MA, Jian
SON, Sunggyun	(11) EP4023969	CAO, Dongqiang
BAE, Yongjun	(21) EP21214764.9	CHEN, Jianquan
(31) 20190081747	(47) 12.02.2025	(31) 202010833967
20180142117	(22) 15.12.2021	(32) 18.08.2020
20180117785	(54) REFRIGERATOR	(33) China
20180117822	(73) BSH Hausgeräte GmbH	(51) F25D 23/02
20180117821	(72) Zhou, Haiqing	(11) EP4206587
20180117819	Hu, Chenli	(21) EP21868512.1
(32) 06.07.2019	Zhong, Wei	(47) 12.02.2025
16.11.2018	(31) 202011588481	(87) CN2021116939
02.10.2018	(32) 29.12.2020	24.03.2022
02.10.2018	(33) China	(22) 07.09.2021
02.10.2018	(51) F25D 17/04	(54) REFRIGERATOR
02.10.2018	F25D 23/04	(73) Qingdao Haier Refrigerator Co., Ltd.
(33) Korea (Republic)	(11) EP4343238	Haier Smart Home Co., Ltd.
Korea (Republic)	(21) EP23188653.2	(72) ZHANG, Hao
Korea (Republic)	(47) 12.02.2025	MOU, Sen
Korea (Republic)	(22) 31.07.2023	CUI, Zhanpeng
Korea (Republic)	(54) A REFRIGERATOR COMPRISING	LYU, Peng
Korea (Republic)	A RECEPTACLE WITH HUMIDITY	LI, Jiaming
(51) F25C 1/20	CONTROL	(31) 202010969257
F25C 1/25	(73) Arçelik Anonim Sirketi	(32) 15.09.2020
(11) EP4224096	(72) DONMEZ, Ersin	(33) China
(21) EP22700022.1	MUMINOGLU, Fatih	(51) F25D 23/02
(47) 12.02.2025	MET, Aylin	E05B 65/00
(87) KR2022000479	YILMAZ, Nihal	E05B 1/00
29.06.2023	BAYDEMIR, Secil	E05B 3/00
(22) 11.01.2022	(31) 202214462	(11) EP3940324
(54) TRANSPARENT ICE MAKING SYSTEM	(32) 20.09.2022	(21) EP19923291.9
AND TRANSPARENT ICE MAKING	(33) Türkiye	(47) 12.02.2025
METHOD USING THE SAME	(51) F25D 17/06	(87) CN2019080460
(73) INTYCO CO., LTD.	A47F 3/04	08.10.2020
(72) SEO, Sang Jun	(11) EP4269916	(22) 29.03.2019
(31) 20210186823	(21) EP23165597.8	(54) HANDLE ASSEMBLY AND
(32) 24.12.2021	(47) 12.02.2025	HOUSEHOLD APPLIANCE HAVING
(33) Korea (Republic)	(22) 30.03.2023	SAME
(51) F25D 3/12	(54) REFRIGERATED DISPLAY CABINET	(73) Midea Group Co., Ltd.
C01B 32/55	WITH TWO-AREA DISPLAY	Hefei Midea Refrigerator Co., Ltd.
(11) EP4083545	COMPARTMENT	Hefei Hualing Co., Ltd.
(21) EP21315060.0	(73) Epta S.p.A.	(72) SHI, Huixin
(47) 12.02.2025	(72) GRANOULLAC, Julien	YAO, Jun
(22) 01.04.2021	VISCONTI, Federico	NING, Zhifang
(54) LOW PRESSURE CARBON SNOW	NARBAITZ, Laurent	(51) F25D 23/06
INJECTOR	TRABUCCHI, Stefano	F25D 23/00
(73) L'Air Liquide, société anonyme pour	ORLANDI, Maurizio	(11) EP3724565
l'Étude et l'Exploitation des procédés	CAZALIS, Patrick	(21) EP18888053.8
Georges Claude	MISKIZAK, Alexandre	(47) 12.02.2025
(72) Trotta, Silvano	VASSEUR, Lionel	(87) KR2018015710

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(22) 11.12.2018	(51) F41A 1/08	(72) MANDL, Teresa
(54) REFRIGERATOR	(11) EP3935337	TUTAL, Serdar
(73) LG Electronics Inc.	(21) EP20725805.4	TINZ, Bernhard, H.
(72) KIM, Daewoong	(47) 12.02.2025	KORMANN, Daniel
NAM, Hyeunsik	(87) FR2020050413	WIDGREN, Anders
KIM, Bongjin	10.09.2020	BARGETZI, Andri
(31) 20170171661	(22) 02.03.2020	(31) 4422020
(32) 13.12.2017	(54) ACTIVE DEVICE FOR TOTAL	(32) 14.04.2020
(33) Korea (Republic)	INHIBITION OF THE RECOIL OF	(33) Switzerland
(51) F25D 29/00	FIREARMS IN THE AXIS OF THE	(51) G01B 7/14
G06K 17/00	BARREL	G01M 15/14
(11) EP3816552	(73) Desset, Samuel	G01B 21/16
(21) EP20199410.0	(72) Desset, Samuel	F01D 11/12
(47) 12.02.2025	(31) 1902159	F01D 21/04
(22) 30.09.2020	(32) 04.03.2019	F01D 21/00
(54) REFRIGERATOR WITH RFID	(33) France	(11) EP3438636
FUNCTION	(51) F41C 23/16	(21) EP18187281.3
(73) Arçelik Anonim Sirketi	F41G 11/00	(47) 12.02.2025
(72) ANDERSON, Graham	(11) EP4109033	(22) 03.08.2018
ROBINSON, Adam	(21) EP22178572.8	(54) ELECTRICAL RESISTANCE WEAR
(31) 201916789	(47) 12.02.2025	INDICATOR
(32) 31.10.2019	(22) 13.06.2022	(73) RTX Corporation
(33) Türkiye	(54) WEAPON HANDGRIP AND WEAPON	(72) DREGER III, Edward F.
(51) F28D 15/00	ACCESSORY CONTROLLER	BENOIT, Corey A.
(11) EP3974758	(73) Wilcox Industries Corp.	WARREN, Eli Cole
(21) EP21193107.6	(72) TEETZEL, James W.	AGOOS, Ian F.
(47) 12.02.2025	LEMIRE, Gary M.	(31) 201715667834
(22) 25.08.2021	(31) 202217834078	(32) 03.08.2017
(54) COOLING APPARATUS WITH TWO-	202163214613 P	(33) United States of America
TIER VAPOR CHAMBER	(32) 07.06.2022	(51) G01B 11/02
(73) INTEL Corporation	24.06.2021	G01B 11/24
(72) RAJU, Prakash Kurma	(33) United States of America	G01B 11/00
DHANDAPANI, Kathiravan	United States of America	(11) EP4386313
SHAIKH, Javed	(51) F41G 3/14	(21) EP22213891.9
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(32) 25.09.2020	F41H 13/00	(22) 15.12.2022
(33) United States of America	G01S 17/66	(54) OPEN-LOOP DISTANCE ADJUSTMENT
(51) F28D 15/02	(11) EP4042094	FOR A COORDINATE MEASURING
F25B 1/00	(21) EP20829707.7	MACHINE
F25B 49/02	(47) 12.02.2025	(73) Hexagon Technology Center GmbH
(11) EP3844449	(87) US2020036675	(72) IMHÄUSER, Kai
(21) EP19854286.2	15.04.2021	SCHIWY, Sascha
(47) 12.02.2025	(22) 08.06.2020	WROCLAWSKI, Patryk
(87) US2019048382	(54) ATMOSPHERIC JITTER CORRECTION	ILG, Patrick
05.03.2020	AND TARGET TRACKING USING	CHAMP, Peter
(22) 27.08.2019	SINGLE IMAGING SENSOR IN HIGH-	(51) G01C 3/14
(54) HYBRID THERMOSIPHON SYSTEM	ENERGY LASER SYSTEMS	G01C 11/06
(73) Alaska Native Tribal Health Consortium	(73) Raytheon Company	(11) EP4067814
(72) GAMBLE, Bailey	(72) YOUNG, Daniel T.	(21) EP22164119.4
WARREN, John A.	BRAUNREITER, Dennis C.	(47) 12.02.2025
FRASER, William	STONELY, Aaron S.	(22) 24.03.2022
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(32) 27.08.2018	201916596595	IMPROVEMENTS FOR NAVIGATION
(33) United States of America	(32) 05.11.2019	SYSTEMS AND METHODS
(51) F28D 20/00	08.10.2019	(73) Teledyne FLIR Commercial Systems, Inc.
F28F 13/00	(33) United States of America	(72) Goodland, James A.
F28D 20/02	United States of America	Tauber, Sean
F01K 3/00	(51) G01B 3/1069	(31) 202217702763
F01K 3/18	A41H 1/02	202163167644 P
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(47) 12.02.2025	(21) EP21717342.6	(33) United States of America
(22) 13.12.2021	(47) 12.02.2025	United States of America
(54) HEAT STORAGE SYSTEM AND	(87) EP2021058375	(51) G01C 19/00
METHOD FOR HEAT STORAGE AND	21.10.2021	G05D 1/00
REMOVAL	(22) 30.03.2021	G01C 21/16
(73) Rowe Holding GmbH	(54) ELECTRONIC TAPE MEASURE	G01C 21/06

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G08G 1/16	(33) United Kingdom	(51) G01F 1/84
G01C 21/28	(51) G01D 5/20	(11) EP3589922
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(47) 12.02.2025	(21) EP19826357.6	(87) US2018018711
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(22) 17.05.2019	02.01.2020	(54) MASS FLOW METER
(54) GYRO SENSOR CALIBRATION METHOD	(22) 27.06.2019	(73) Baker Hughes Holdings LLC
(73) Aichi Steel Corporation	(54) ROTARY TRANSFORMER	(72) SEEBERG, Bjorn Erik
(72) AOYAMA Hitoshi	(73) Guangdong Welling Auto Parts Co., Ltd.	(31) 201715449472
NAGAO Tomohiko	(72) WAN, Jia	(32) 03.03.2017
YAMAMOTO Michiharu	GE, Xiao	(33) United States of America
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G09B 29/00	China	11.11.2021
(11) EP4094045	(51) G01D 5/245	(22) 23.03.2021
(21) EP21700239.3	G01D 5/20	(54) MASS FLOW METERS/CONTROLLERS AND METHODS HAVING IMPROVED ACCURACY
(47) 12.02.2025	(11) EP4053509	(73) Illinois Tool Works, Inc.
(87) IB2021050280	(21) EP22150586.0	(72) KRAKHMAN, Vladimir
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(22) 15.01.2021	(22) 07.01.2022	(32) 08.05.2020
(54) DIGITAL MAP FOR NAVIGATION	(54) TARGET AND RECEIVER FOR AN INDUCTIVE SENSOR	(33) United States of America
(73) Second Bridge Inc.	(73) TE Connectivity Smart Grid GmbH	(51) G01F 23/284
(72) GANOUNA, Marc	(72) MEISENBERG, Armin	G01S 13/88
PALATOV, Dennis	PIEPER, Reinhold	H01Q 1/22
(31) 2000663	(31) 21160154	G01S 15/88
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02.07.2020	(21) EP18867529.2	(22) 30.07.2019
(22) 09.12.2019	(47) 12.02.2025	(54) MEASUREMENT DEVICE FOR DETERMINING A PROCESS VARIABLE IN A CONTAINER
(54) POSITIONING METHOD AND ELECTRONIC DEVICE	(87) US2018056270	(73) VEGA Grieshaber KG
(73) Shenzhen Yinwang Intelligent Technologies Co., Ltd.	25.04.2019	(72) WELLE, Roland
(72) WANG, Jun	(22) 17.10.2018	DIETERLE, Levin
LI, Minzhen	(54) RATCHETING COVER FOR SENSOR HOUSING	BÖRSIG, Jörg
MA, Lei	(73) Veoneer US Safety Systems, LLC	WÄLDE, Steffen
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G08G 1/01	G01F 1/74	(22) 08.07.2022
G06F 16/29	G01N 24/08	(54) ELECTROMAGNETIC COMPENSATING BEAM SCALE
G08G 1/0967	G01R 33/44	(73) Technische Universität Ilmenau, Körperschaft des Öffentlichen Rechts
H04W 4/021	(11) EP4083581	(72) DARNIEDER, Maximilian
G01C 21/00	(21) EP22170082.6	HILBRUNNER, Falko, Dr.
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(47) 12.02.2025	(54) METHOD FOR DETERMINING A LIQUID FRACTION OF A FLOWING MEDIUM WITH A NUCLEAR MAGNETIC FLOWMETER	(33) Germany
(22) 26.05.2015	(73) Krohne AG	(51) G01G 19/08
(54) METHODS OF OBTAINING AND USING POINT OF INTEREST DATA	(72) Tromp, Rutger Reinout	(11) EP4337924
(73) TomTom Traffic B.V.	Cerioni, Lucas Matias Ceferino	
(72) Van Der Laan, Antoine, Carl Schmidt, Gunnar	(31) 102021111162	

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(47) 12.02.2025	FOR DETECTING A STONE IMPACT	(87) EP2018074973
(87) EP2022062093	ON A WINDOW OF A VEHICLE, DATA	21.03.2019
17.11.2022	PROCESSING APPARATUS, SYSTEM	(22) 14.09.2018
(22) 05.05.2022	FOR DETECTING A STONE IMPACT	(54) SYSTEM FOR MEASURING
(54) METHOD FOR DETERMINING THE	ON A WINDOW OF A VEHICLE,	COMPONENTS OF SOLAR RADIATION
MASS OF A SELF DRIVING VEHICLE,	VEHICLE, COMPUTER PROGRAM AND	(73) Université de Perpignan Via Domitia
A CENTRAL CONTROL UNIT AND A	COMPUTER-READABLE STORAGE	Centre national de la recherche
SELF DRIVING VEHICLE	MEDIUM	scientifique
(73) ZF CV Systems Global GmbH	(73) Volvo Car Corporation	(72) CHAUVIN, Remi
(72) VAN THIEL, Julian	(72) NILSSON, Pär	NOU, Julien
(31) 102021112239	BJÖRKLUND, Tomas	THIL, Stéphane
(32) 11.05.2021	GIBANICA, Mladen	GRIEU, Stéphane
(33) Germany	ONG, Teik Huat	(31) 1758549
(51) G01G 19/393	LAI, Yidan	(32) 14.09.2017
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(21) EP21204979.5	FISCHER, Filip	(51) G01J 3/02
(47) 12.02.2025	BOGERT, Björn	G01J 1/04
(22) 27.10.2021	KABRAL, Raimo	G01J 3/26
(54) COMBINATION WEIGHING	WENG, Chenyang	G02B 26/00
APPARATUS	(51) G01H 11/08	G02F 1/21
(73) ISHIDA CO., Ltd.	G01M 3/24	H01L 31/0203
(72) KISHIKAWA, Mikio	E03B 7/00	H01L 31/0232
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(87) JP2021044824	SWAN, Matthew	(72) OYAMA, Hiroki
30.06.2022	FORSTER-KNIGHT, Andrew	SHIBAYAMA, Katsumi
(22) 07.12.2021	LONDONO, Juan	HIROSE, Masaki
(54) METHOD FOR CONFIRMING	NEESON, Owen David	KAWAI, Toshimitsu
WEIGHING PERFORMANCE OF	DHARMADHIKARI, Ninad Mohan	KASAHARA, Takashi
BALANCE, AND BALANCE FOR THE	MERRY, Thomas James	(31) 2016045513
SAME	MOFARDIN, Eddy	(32) 09.03.2016
(73) A&D Company, Limited	GEHRIG, Colin Neil	(33) Japan
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(73) Allegro MicroSystems, LLC	FULL BODY REFERENCE IMAGE	Telinge, Arnaud
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(73) SICK AG	MANUFACTURED THEREBY	YAMASHITA, Yoko
(72) NÜBLING, Ralf Ulrich	(73) G2B CO., LTD.	(51) G02B 6/036
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(73) Lumus Ltd.	(51) G02B 27/01	(72) FRICKER, Sébastien
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(72) KOBAYASHI, Masato	(11) EP4009111	(72) PERRET, Julien
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(54) DEVELOPER SUPPLY CONTAINER	(32) 01.12.2020	(73) Montres Breguet S.A.
AND DEVELOPER SUPPLYING	(33) Japan	(72) HYDE, Peter
SYSTEM	(51) G03H 1/04	STRANCZL, Marc
(73) CANON KABUSHIKI KAISHA	G03H 1/08	PIGUET, René
(72) Yusuke, YAMADA	G03H 1/16	MATTHEY-DE-L'ENDROIT, Lionel
Katsuya, MURAKAMI	G01N 15/0227	(51) G04B 19/22
Fumio, TAZAWA	G01N 15/1434	G04B 27/00
Toshiaki, NAGASHIMA	G06T 7/00	G04F 7/08
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LTD.	IN A DIGITAL HOLOGRAPHIC	G04B 29/02
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(73) FUJIFILM Business Innovation Corp.	(47) 12.02.2025	KADMIRI, Younes
(72) YOSHIOKA, Tomoaki	(22) 21.06.2012	

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(72) ENGASSER, Julius	B25J 11/00	B64G 1/00
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(54) WORKING VEHICLE, OBSTACLE DETECTION METHOD, AND OBSTACLE DETECTION PROGRAM	B60W 30/095	(73) Jungheinrich Aktiengesellschaft
(73) Kubota Corporation	B60W 40/04	(72) HOLESCH, Sascha
(72) NAKABAYASHI, Takashi	G06F 11/30	GANDHI, Kandarp
IWAMI, Kenichi	G06F 11/07	SCHWAIGER, Martin
EDO, Shunsuke	G06N 3/04	MISCHITZ, Christian
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(72) BONAMICO, Alessandro	H03L 1/02	(11) EP3845999
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PROCESSORS AND PROCESSOR	A CLOCK FREQUENCY	G06F 3/04883
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(73) Jetcool Technologies, Inc.	(72) HÖPPNER, Sebastian	G06F 3/038
(72) MALOUIN, Bernard	YAN, Yexin	G06F 40/58
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(47) 12.02.2025	(54) METHOD AND APPARATUS TO	G06F 1/00
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(54) APPARATUS AND METHOD FOR	MAPPING ATTRIBUTES FOR TRUSTED	G06G 1/16
CONSTANT DETECTION DURING	DOMAIN	G06F 1/26
COMPRESS OPERATIONS	(73) INTEL Corporation	H05K 13/00
(73) INTEL Corporation	(72) Sahita, Ravi	H04L 12/10
(72) Yap, Kirk	Caspi, Dror	H04L 12/40
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Guilford, James David	Khosravi, Hormuzd	F16M 11/10
Cutter, Daniel Frederick	Mehta, Kunal	F16M 11/20
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(54) LZ0 DECOMPRESSION IN EXTERNAL	(22) 06.03.2020	DOCKING STATIONS REMOVABLY
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(73) Honeywell International Inc.	LEVEL PAGE MANAGEMENT	APPARATUSES
(72) THOR, Ralf Peter	(73) International Business Machines	(73) Targus International LLC
VINCENT, Francois	Corporation	(72) DECAMP, Ronald
SCHNEIDER, Maximilian Waldo	(72) SCHWIDFSKY, Martin	TSANG, Man Cheung Dan
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G06F 9/50	(73) MACRONIX INTERNATIONAL CO., LTD.	M.2 CONNECTOR COMPATIBLE
(11) EP3676711	(72) CHANG, Yi-Fang	WITH TWO COMMUNICATION
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(73) Siemens Aktiengesellschaft	(72) THEBAULT, Patrice	MASSICOT, Jean-Pierre
(72) WITTE, Martin	BESSETTES, Vincent	(31) 1361933
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(33) Australia	METHOD AND DEVICE USING THE	MONITORING PRODUCT INTEGRITY
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H01L 23/367	(73) Getac Technology Corporation	(72) TOBESCU, Corneliu
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AGENT FOR TACTICAL DECISION-	(22) 02.12.2019	(54) CONTINUAL LEARNING NEURAL
MAKING	(54) DEVICE AND METHOD FOR TRAINING	NETWORK SYSTEM TRAINING FOR
(73) Volvo Autonomous Solutions AB	A CLASSIFIER	CLASSIFICATION TYPE TASKS
(72) LAINE, Leo	(73) Robert Bosch GmbH	(73) DeepMind Technologies Limited
HOEL, Carl-Johan	Carnegie Mellon University	(72) SHANAHAN, Murray
(51) G06N 3/006	(72) Kolter, Jeremy Zieg	(31) 202163194056 P
G06N 3/045	Schmidt, Frank	(32) 27.05.2021
G06N 7/01	Fathony, Rizal	(33) United States of America
G06N 3/08	(51) G06N 3/044	(51) G06N 3/045
(11) EP4139844	G06N 3/0455	G06N 20/00
(21) EP20720804.2	G06N 3/092	G06T 1/20
(47) 12.02.2025	G06N 3/088	(11) EP3594865
(87) EP2020061006	G06N 3/006	(21) EP19184116.2
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(22) 20.04.2020	(21) EP18726145.8	(22) 03.07.2019
(54) TACTICAL DECISION-MAKING	(47) 12.02.2025	(54) SYSTEMS AND METHODS FOR
THROUGH REINFORCEMENT	(87) EP2018063281	COUPLED REPRESENTATION
LEARNING WITH UNCERTAINTY	22.11.2018	USING TRANSFORM LEARNING FOR
ESTIMATION	(22) 22.05.2018	SOLVING INVERSE PROBLEMS
(73) Volvo Autonomous Solutions AB	(54) DATA EFFICIENT IMITATION OF	(73) Tata Consultancy Services Limited
(72) HOEL, Carl-Johan	DIVERSE BEHAVIORS	(72) Bhowmick, Brojeshwar
LAINE, Leo	(73) DeepMind Technologies Limited	GUPTA, Kavya
(51) G06N 3/04	(72) WAYNE, Gregory Duncan	MAJUMDAR, Angshul

(31) 201821025416	(47) 12.02.2025	(22) 07.04.2017
(32) 06.07.2018	(22) 10.05.2021	(54) METHODS AND SYSTEMS USING
(33) India	(54) DEVICE AND METHOD FOR TD-	IMPROVED CONVOLUTIONAL
(51) G06N 3/045	LAMBDA TEMPORAL DIFFERENCE	NEURAL NETWORKS FOR IMAGE
G10L 15/18	LEARNING WITH A VALUE FUNCTION	PROCESSING
G10L 15/22	NEURAL NETWORK	(73) INTEL Corporation
G10L 15/26	(73) Commissariat à l'Energie Atomique et	(72) WANG, Libin
G06F 40/30	aux Energies Alternatives	HU, Ping
G06F 40/35	(72) VIANELLO, Elisa	CAI, Dongqi
G06F 40/216	DALGATY, Thomas	CHENG, Wenhua
G10L 17/00	(51) G06N 3/063	CHEN, Yurong
G06F 3/16	G06N 3/044	XU, Lin
G06N 3/08	G06N 3/082	GUO, Yiwen
(11) EP4014232	G06F 9/38	YAO, Anbang
(21) EP20914932.7	G06N 3/045	WANG, Shandong
(47) 12.02.2025	G06N 3/084	(51) G06N 3/065
(87) KR2020006718	G06F 12/0846	G06N 3/044
29.07.2021	G06F 12/0875	H01L 29/423
(22) 22.05.2020	(11) EP3637325	H10B 41/30
(54) ELECTRONIC DEVICE AND CONTROL	(21) EP18806558.5	G06N 3/045
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(51) G06N 3/0464	HAO, Yifan	REITEN, Mark
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G06N 5/04	DU, Zidong	TIWARI, Vipin
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(22) 09.12.2021	201710678038	United States of America
(54) SYSTEM, PROGRAM AND METHOD	201710456759	(51) G06N 3/067
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(54) HIERARCHICAL RECONFIGURABLE	China	GAGNON, Ronald
MULTI-SEGMENT SPIKING NEURAL	China	JING, Li
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(73) Innatera Nanosystems B.V.	G06N 3/0464	LU, Cheng-Kuan
(72) KUMAR, Sumeet Susheel	G06N 3/045	SHEN, Yichen
ZJAJO, Amir	G06N 20/20	STEINMAN, Maurice
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(32) 16.04.2021	G06V 10/82	XIE, Peng
(33) United States of America	G06V 10/44	DANGOVSKI, Rumen
(51) G06N 3/063	G06V 10/94	KHOURY, Matthew
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(33) United States of America	G06Q 20/32	GOLDEN, Radhika
(51) G06N 3/0985	G06Q 20/04	RANGANATHAN NOCHILUR, Sunder
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A23K 50/90	(51) H01C 17/065	C22C 38/10
A01K 67/04	H01C 17/30	C22C 38/12
A23K 20/20	H01C 17/24	C22C 38/14
D02G 3/04	H01C 7/00	C22C 33/02
D02G 3/02	(11) EP3970167	B22F 9/02
D06M 11/77	(21) EP20723626.6	B22F 1/065
D01B 7/00	(47) 12.02.2025	B22F 3/10
A23K 10/30	(87) US2020026714	B22F 9/00
A41D 1/00	26.11.2020	B22F 3/24
D01F 1/09	(22) 03.04.2020	B22F 9/04
D01F 4/02	(54) THICK FILM RESISTORS HAVING	(11) EP4354471
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(22) 05.05.2020	AKYURTLU, Alkim	REMANENCE AND HIGH-COERCIVE
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MADE FROM SILKWORM SILK WITH	SOUTHWORTH, Andrew R.	AND PREPARATION METHOD
SILKWORM-DIGESTED STRUCTURED	WILDER, Kevin M.	THEREOF
MATERIALS AND METHODS FOR	KLEK, Erika C.	(73) Baotou Jinshan Magnetic Material Co.
MANUFACTURING SAME	RANASINGHA, Oshadha K.	Ltd
(73) The American University in Cairo	SIKINA, Thomas V.	(72) LIU, Yonghong
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A61B 5/00	(21) EP21194761.9	WANG, Zichao
A61B 5/25	(47) 12.02.2025	(31) 202211255156
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(72) TSUKADA, Shingo	(51) H01F 1/057	Bitzer, Matthias
NAKASHIMA, Hiroshi	H01F 41/02	(31) 102022204764
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(73) Schneider Electric Industries SAS	H01H 73/04	(51) H01J 49/10
(72) DELBAERE, Stéphane	(11) EP3970177	H01J 49/26
ORBAN, Rémy	(21) EP20719629.6	G01N 27/62
(31) 2007585	(47) 12.02.2025	H01J 49/00
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(47) 12.02.2025	WERNER, Klaus	(73) Hitachi High-Tech Corporation
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(47) 12.02.2025	(73) Canon Anelva Corporation	(73) Changxin Memory Technologies, Inc.
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(72) WEINDLER, Tobias	(51) H01L 21/68	(72) RASEL, Marco
MODER, Iris	H05K 3/00	KELI, Elvis
SIGL, Alfred	H05K 13/04	(51) H01L 23/367
FREY, Alexander	B23Q 1/60	H01L 29/737
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(22) 29.09.2021	H04N 25/59	H10B 41/27
(54) OPTOELECTRONIC DEVICE	H04N 25/77	(11) EP3963632
(73) Aledia	H04N 25/79	(21) EP20933097.6
(72) POURQUIER, Eric	(11) EP4325573	(47) 12.02.2025
MOUREY, Bruno	(21) EP23190585.2	(87) CN2020087295
ROBIN, Ivan-Christophe	(47) 12.02.2025	04.11.2021
(31) 2010001	(22) 09.08.2023	(22) 27.04.2020
(32) 30.09.2020	(54) DUAL CTIA FOR NON-CLAMPED	(54) THREE-DIMENSIONAL MEMORY
(33) France	PHOTODIODE	DEVICE AND METHOD FOR FORMING
(51) H01L 25/18	(73) Commissariat à l'Energie Atomique et	THEREOF
H01L 23/495	aux Energies Alternatives	(73) Yangtze Memory Technologies Co., Ltd.
H01L 23/49	(72) AYL, François	(72) HUO, Zongliang
H03K 17/082	SAXOD, Oliver	LI, Shan
H03K 17/10	(31) 2208346	XIA, Zhiliang
H03F 1/22	(32) 17.08.2022	WU, Linchun
H03F 3/195	(33) France	ZHANG, Kun
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CHIP FORMED BY A LOW-VOLTAGE	(87) KR2019017163	(73) Zhejiang Jinko Solar Co., Ltd.
TRANSISTOR	11.06.2020	Shanghai Jinko Green Energy Enterprise
(73) STMicroelectronics France	(22) 06.12.2019	Management Co., Ltd.
(72) MOREAU, Eric	(54) IMAGE SENSOR FOR GENERATING	(72) YU, Kun
GUILLLOT, Laurent	DEPTH DATA BY A PATH DIFFERENCE	ZHANG, Xinyu
SUTTO, Thierry	OF LIGHT GENERATED THROUGH	LIU, Changming
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1654715	PLURALITY OF SUB-PIXELS AND	(32) 04.08.2021
(32) 08.07.2016	ELECTRONIC DEVICE INCLUDING	(33) China
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(33) France	(73) Samsung Electronics Co., Ltd.	H01L 31/044
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(51) H01L 27/02	LEE, Kihuk	(21) EP20842175.0
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(22) 12.03.2019	(51) H01L 27/15	(54) SOLAR MODULE
(54) ESD PROTECTION CIRCUIT AND	H01L 25/075	(73) Hanwha Q CELLS GmbH
METHOD FOR MANUFACTURING	H01L 33/46	(72) METTE, Michael
SAME	H01L 33/62	KÜHNE, Marcel
(73) STMicroelectronics S.r.l.	H01L 33/50	GERBIG, Christian
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(72) BRISCHETTO, Andrea	(21) EP21192105.1	(32) 20.11.2019
ARNAUD, Aurélie	(47) 12.02.2025	(33) Germany
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(32) 21.03.2018	(54) THREE-IN-ONE RGB MINI-LED	H01L 31/054
(33) France	MANUFACTURING METHOD	H01L 31/05
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(47) 12.02.2025	HUA, TSUNG-TING	(54) SOLAR CELL MODULE AND
(22) 19.07.2019	HUANG CHEN, SUNG-WEN	MANUFACTURING METHOD THEREOF
(54) IMAGING DEVICE AND ELECTRONIC	TSAI, TZENG-GUANG	(73) Ja Solar Technology Yangzhou Co., Ltd.
APPARATUS	HUANG, KUO-HSIN	(72) ZHOU, Yanfang
(73) Sony Semiconductor Solutions	LIU, AN-CHEN	NIU, Xinwei
Corporation	CHEN, TSUNG-HSIANG	CHEN, Hongyue
(72) MACHIDA, Takashi	(31) 109128160	(31) 202210177254

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(51) H01L 31/05	(22) 04.05.2020	H01M 4/136
H01L 31/054	(54) ELECTRONIC DEVICE	H01M 10/0525
H01L 31/048	(73) InnoLux Corporation	H01M 4/02
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(54) PHOTOVOLTAIC COMPONENT	H01M 4/134	(22) 05.12.2019
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(72) SCHIBLI, Peter	H01M 4/1397	ELECTRODE PLATE FOR LITHIUM-ION
(51) H01L 31/0747	H01M 4/38	BATTERY, AND APPARATUS
H01L 31/18	H01M 10/0525	(73) Contemporary Amperex Technology
H01L 31/20	H01M 10/0569	(Hong Kong) Limited
H01L 31/0376	H01M 4/40	(72) LI, Quanguo
(11) EP4012786	C22C 24/00	LIU, Lile
(21) EP21213344.1	H01M 4/136	HU, Xia
(47) 12.02.2025	H01M 4/58	NIU, Shaojun
(22) 09.12.2021	H01M 4/02	WU, Yongbin
(54) METHOD FOR DETERMINING A	(11) EP4333091	(51) H01M 4/36
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CELL DURING A PROCESSING	(22) 31.08.2023	H01M 4/525
METHOD	(54) NEGATIVE ELECTRODE INCLUDING	(11) EP3593391
(73) Commissariat à l'Energie Atomique et	LITHIUM-LANTHANUM ALLOY AND	(21) EP18714129.6
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VEIRMAN, Jordi	KIM, Ki-Hyun	MATERIAL
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H01L 33/44	31.08.2022	KLEINE JAEGER, Frank
H01L 27/15	(33) Korea (Republic)	CETINEL, Fatih
H01L 33/38	Korea (Republic)	LIEBSCH, Tillmann
H01L 33/22	Korea (Republic)	GARELLA, Dominik
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(54) LIGHT EMITTING DIODE	H01M 10/052	H01M 4/134
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(72) KIM, Hyun A	(11) EP4483428	H01M 4/62
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(33) Korea (Republic)	(73) Trinseo Europe GmbH	NEGATIVE ELECTRODE OF
Korea (Republic)	(72) PAGE, Christian	A BATTERY, A METHOD FOR
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(51) H01L 33/62	(32) 27.06.2022	A BATTERY COMPRISING SUCH A
H01L 33/00	(33) World Intellectual Property Office (WIPO)	POWDER
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(11) EP3736868	H01M 4/36	(72) MOEREMANS, Boaz

MARX, Nicolas	H01M 12/06	CHOI, Moon-Hyung
BRIDEL, Jean-Sébastien	H01M 12/08	LEE, Jong-Ju
(31) 21205537	H01M 4/02	OH, Mi-Soon
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(33) European Patent Office (EPO)	(21) EP19185508.9	KIM, Jeong-Rae
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(21) EP19779706.1	NOMURA, Masaya	H01M 4/485
(47) 12.02.2025	IZUMI, Hiroaki	H01M 10/0525
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(31) 201916573556	C01G 53/00	MATERIAL, PREPARATION METHOD
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(32) 17.09.2019	H01M 10/052	BATTERY PACK AND DEVICE
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(33) United States of America	C01G 45/12	(Hong Kong) Limited
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United States of America	(47) 12.02.2025	WU, Qi
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H01M 50/138	Management Co., Ltd.	(51) H01M 4/583
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(73) Suzuki Motor Corporation	H01M 10/0569	02.03.2023
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IZUMI, Hiroaki	(47) 12.02.2025	PREPARATION METHOD THEREFOR,
RAHMAN, Khalilur	(87) EP2019061221	SECONDARY BATTERY, BATTERY
(31) 2016087103	07.11.2019	MODULE, BATTERY PACK AND
(32) 25.04.2016	(22) 02.05.2019	ELECTRIC DEVICE
(33) Japan	(54) A LITHIUM COBALT OXIDE	(73) Contemporary Amperex Technology
(51) H01M 4/38	SECONDARY BATTERY COMPRISING	(Hong Kong) Limited
H01M 4/40	A FLUORINATED ELECTROLYTE AND	(72) ZHAO, Yanjie
H01M 4/70	A POSITIVE ELECTRODE MATERIAL	LI, Xing
H01M 4/134	FOR HIGH VOLTAGE APPLICATIONS	LIN, Jianghui
H01M 50/46	(73) Umicore	JIN, Haizu
H01M 50/466	(72) LEE, Hyuncheol	(51) H01M 4/587
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(54) NEGATIVE ELECTRODE MATERIAL	H01M 4/38	(11) EP4176479
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METHOD FOR MANUFACTURING	H01M 4/50	(47) 12.02.2025
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ION SECONDARY CELL, NEGATIVE	(21) EP19881239.8	DEVICE AND MOTOR VEHICLE
ELECTRODE FOR LITHIUM-ION	(47) 12.02.2025	COMPRISING A FUEL CELL DEVICE
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(73) Resonac Corporation	(22) 07.08.2019	KEITSCH, Oliver
(72) TSUCHIYA, Hideyuki	(54) LITHIUM PRIMARY BATTERY	SIEBEL, Armin
SATOH, Tsutomu	(73) Panasonic Intellectual Property	(31) 102020128312
(51) H01M 4/62	Management Co., Ltd.	(32) 28.10.2020
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(73) Nexeon Limited	(11) EP4320657	SECONDARY BATTERIES, AND
(72) MASON, Charles	(21) EP22731517.3	LITHIUM ION SECONDARY BATTERY
FRIEND, Christopher	(47) 12.02.2025	(73) DuPont Safety & Construction, Inc.
MEOTO, Silo	(87) EP2022064149	Nippon Kodoshi Corporation
WHITTAM, Joshua	08.12.2022	(72) NISHIMORI, Yuhei
CHIACCHIA, Mauro	(22) 25.05.2022	WADA, Norihiro
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(32) 21.10.2021	LAYERS AND METHOD FOR	ICHIMURA, Takumi
(33) United Kingdom	PRODUCING A FUEL CELL	(31) 2020008927
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H01M 50/267	KÖNNICKE, Daniela	(51) H01M 10/0567
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CURVED BATTERY CELL	(21) EP21203261.9	ELECTROLYTE, AND NON-AQUEOUS
(73) Microsoft Technology Licensing, LLC	(47) 12.02.2025	ELECTROLYTE AND LITHIUM
(72) COLLINS, John Christopher	(22) 18.10.2021	SECONDARY BATTERY WHICH
BOOVARAGAVAN, Vijayasekaran	(54) FUEL CELL AND FUEL CELL STACK	INCLUDE THE SAME
LIN, Tzu-Yuan	(73) Kia Corporation	(73) LG ENERGY SOLUTION, LTD.
ZENG, Dongli	Hyundai Motor Company	(72) SHIN, Won Kyung
NIKKHOO, Michael	(72) KIM, Bae Jung	OH, Young Ho
(31) 201615250628	KIM, Ah Reum	LEE, Chul Haeng

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(47) 12.02.2025	(32) 16.04.2021	(31) 202111300983
(87) KR2015013589	(33) China	(32) 04.11.2021
23.06.2016	(51) H02J 1/10	(33) China
(22) 11.12.2015	H02J 7/00	(51) H02J 7/00
(54) TRIPLE REDUNDANT DIGITAL	H02J 7/34	H04R 1/10
PROTECTIVE RELAY AND OPERATING	H02M 3/158	A45C 11/00
METHOD THEREFOR	(11) EP4173102	(11) EP4052348
(73) YPP Co. Ltd.	(21) EP20772474.1	(21) EP20799675.2
(72) KIM, Jae Hyun	(47) 12.02.2025	(47) 12.02.2025
SHIN, Jong Han	(87) US2020048802	(87) EP2020080234
KIM, Yong Gil	03.03.2022	06.05.2021
(31) 20140180115	(22) 31.08.2020	(22) 28.10.2020
(32) 15.12.2014	(54) PARALLEL CHARGER CIRCUIT WITH	(54) A CHARGING CONTAINER FOR
(33) Korea (Republic)	BATTERY FEEDBACK CONTROL	STORING AND CHARGING AN IN-EAR
(51) H02H 3/16	(73) Google LLC	AUDIO LISTENING DEVICE
B60L 3/00	(72) LAKSHMIKANTHAN, Srikanth	(73) Marshall Group AB (publ)
H02J 7/00	FEI, Chao	(72) BLUHME, Axel
B60L 58/12	WANG, Li	ANSÉHN, Johan
B60L 58/21	JIA, Liang	ANDERSSON, Daniel
(11) EP4096040	OSTERHOUT, Douglas	HEDH, André
(21) EP20915202.4	(51) H02J 3/38	(31) 1951243
(47) 12.02.2025	H02J 1/10	(32) 31.10.2019
(87) JP2020045459	(11) EP3855595	(33) Sweden
29.07.2021	(21) EP19906014.6	(51) H02J 7/02
(22) 07.12.2020	(47) 12.02.2025	G01R 19/00
(54) VEHICLE POWER SUPPLY	(87) CN2019130037	G01R 31/36
(73) Imasen Electric Industrial Co., Ltd.	02.07.2020	H01M 10/48
(72) MAKIO, Daisuke	(22) 30.12.2019	G01R 31/3835
YAMANOUE, Koichi	(54) PHOTOVOLTAIC SYSTEM	H02J 7/00
(31) 2020006560	(73) Huawei Digital Power Technologies Co.,	(11) EP3678279
(32) 20.01.2020	Ltd.	(21) EP18852385.6
(33) Japan	(72) SHU, Zhenhuan	(47) 12.02.2025
(51) H02H 7/26	WANG, Xun	(87) JP2018031829
G01R 31/52	ZHANG, Yanzhong	07.03.2019
H02H 3/033	(31) 201811641390	(22) 28.08.2018
H02H 7/30	(32) 29.12.2018	(54) VOLTAGE DETECTING CIRCUIT
(11) EP4246748	(33) China	(73) Nuvoton Technology Singapore Pte. Ltd.
(21) EP21902489.0	(51) H02J 3/38	Nuvoton Technology Corporation Japan
(47) 12.02.2025	H02M 1/00	(72) MORI, Gorou
(87) CN2021135187	(11) EP4205253	HATANI, Naohisa
16.06.2022	(21) EP21769985.9	(31) 2017164276
(22) 02.12.2021	(47) 12.02.2025	(32) 29.08.2017
(54) METHOD FOR PROCESSING	(87) EP2021074017	(33) Japan
INTERPHASE SHORT CIRCUIT OF	03.03.2022	(51) H02J 9/06
THREE-PHASE NON-EFFECTIVE	(22) 31.08.2021	H05B 45/385
GROUNDING POWER SUPPLY	(54) METHOD FOR SETTING A POWER	(11) EP3375066
SYSTEM	CLASS OF AN INVERTER, AND	(21) EP16815638.8
(73) Baoding Yuxin Electric Technology Co.,	INVERTER	(47) 12.02.2025
Ltd.	(73) SMA Solar Technology AG	(87) IB2016056552
(72) XUE, Zhanyu	(72) VIOTTO, Michael	18.05.2017
XING, Jinchun	THIEL, Raimund	(22) 31.10.2016
(31) 202011453632	(31) 102020122705	(54) EMERGENCY POWER SUPPLY FOR
(32) 12.12.2020	(32) 31.08.2020	LIGHTING APPARATUS
(33) China	(33) Germany	(73) Beghelli S.p.A.
(51) H02H 9/04	(51) H02J 7/00	(72) BEGHELLI, Gian Pietro
H01H 37/76	G01R 27/08	(31) UB20155559
(11) EP4322355	G01R 27/16	(32) 13.11.2015
(21) EP22787296.7	(11) EP4199304	(33) Italy
(47) 12.02.2025	(21) EP22843603.6	(51) H02J 13/00
(87) CN2022079979	(47) 12.02.2025	H01H 83/02
20.10.2022	(87) CN2022114004	H02H 3/02
(22) 09.03.2022	11.05.2023	(11) EP4283828
(54) SURGE PROTECTION DEVICE WITH	(22) 22.08.2022	(21) EP23153740.8
DOUBLE-TRIP MECHANISM	(54) IMPEDANCE DETECTION METHOD	(47) 12.02.2025
(73) Xiamen Set Electronics Co., Ltd	FOR CHARGING CABLE, ELECTRONIC	(22) 27.01.2023
(72) ZHANG, Xianggui	DEVICE AND POWER SUPPLY DEVICE	
YE, Jian	(73) Honor Device Co., Ltd.	

(54) METHODS AND SYSTEMS FOR SAFELY TRANSFERRING ELECTRICAL POWER	(22) 11.05.2018	(54) PHOTOVOLTAIC SOLAR INVERTER WITH AN AC GRID FILTER WITHOUT INDUCTANCE
(73) Applied Micro Electronics B.V.	(54) DOOR OPERATOR WITH SWITCHED FLUX LINEAR MOTOR	(73) Power Electronics España, S.L.
(72) JANSSENS, Luuk	(73) Otis Elevator Company	(72) SALVO LILLO, Abelardo
VOOGT, Ewout Arjen	(72) ROBINSON, Amy	SALVO LILLO, David
(51) H02K 1/16	PIECH, Zbigniew	JUAN AGUILAR, Josué
H02K 29/03	(31) 201715594117	RODRIGO MAÑEZ, Eusebio
(11) EP4264787	(32) 12.05.2017	CAMPS SORIANO, Jose Luis
(21) EP21835227.6	(33) United States of America	(31) 202130063
(47) 12.02.2025	(51) H02K 49/04	(32) 27.01.2021
(87) EP2021084854	B60L 13/00	(33) Spain
23.06.2022	B60L 13/10	(51) H02M 1/15
(22) 08.12.2021	B60L 13/03	H02M 7/487
(54) STATOR FOR AN ELECTRIC MACHINE, ELECTRIC MACHINE FOR DRIVING A VEHICLE, AND VEHICLE	(11) EP4087103	H02M 7/49
(73) Valeo eAutomotive Germany GmbH	(21) EP21171873.9	H02M 1/12
(72) DOTZ, Boris	(47) 12.02.2025	H02M 1/00
(31) 102020216006	(22) 03.05.2021	(11) EP4085519
(32) 16.12.2020	(54) LINEAR DRIVE	(21) EP20824574.6
(33) Germany	(73) InDriveTec AG	(47) 12.02.2025
(51) H02K 1/27	(72) VINZENS, Martin	(87) EP2020086775
H02K 21/14	JULEN, Eric	08.07.2021
H02K 29/03	(51) H02M 1/00	(22) 17.12.2020
(11) EP4078771	H02M 3/335	(54) METHOD FOR OPERATING A POWER ELECTRONIC CONVERTER DEVICE WITH FLOATING CELLS
(21) EP20815882.4	H02M 7/19	(73) ABB SCHWEIZ AG
(47) 12.02.2025	H02M 7/25	(72) MEIER, Christian
(87) EP2020084526	H02M 7/49	SCHWEIZER, Mario
24.06.2021	H02M 7/497	TSOUMAS, Ioannis
(22) 03.12.2020	H02M 7/525	VETTERLI, Manuel
(54) SYNCHRONOUS RELUCTANCE MACHINE HAVING A VARIABLE AIR GAP	H02M 1/15	ROHR, Eduardo
(73) IFP Energies nouvelles	H02M 7/145	VAN-DER-MERWE, Wim
(72) GAUSSENS, Benjamin	(11) EP4331099	GEYER, Tobias
CHAREYRON, Baptiste	(21) EP22719336.4	KIEFERNDORF, Frederick
VALIN, Thomas	(47) 12.02.2025	(31) 19220176
ABDELLI, Abdenour	(87) IB2022052659	(32) 31.12.2019
(31) 1914639	03.11.2022	(33) European Patent Office (EPO)
(32) 17.12.2019	(22) 23.03.2022	(51) H02M 1/32
(33) France	(54) AC/DC CONVERTER, DC/AC CONVERTER AND DC/DC CONVERTER AND METHOD OF CONTROL OF THE CONVERTER	G01R 31/40
(51) H02K 21/02	(73) Terna S.p.A.	H02J 7/34
H02K 7/18	(72) AGNETTA, Vincenzo	G01R 31/00
H02K 1/14	(31) 202100010934	G01R 35/00
(11) EP3968503	(32) 29.04.2021	(11) EP3745573
(21) EP21192025.1	(33) Italy	(21) EP20176811.6
(47) 12.02.2025	(51) H02M 1/08	(47) 12.02.2025
(22) 18.08.2021	H03K 17/12	(22) 27.05.2020
(54) TURBOMACHINE EQUIPPED WITH AN EMBEDDED ELECTRIC MACHINE HAVING A SEGMENTED AND MOVABLE STATOR	H03K 17/284	(54) AUXILIARY POWER SOURCE DEVICE
(73) General Electric Company	H02M 1/088	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(72) OSAMA, Mohamed	H03K 17/13	JTEKT CORPORATION
ZATORSKI, Darek	H03K 17/14	(72) HANZAWA, Hiroaki
(31) 202063072471 P	(11) EP4102702	SATO, Fumihiko
(32) 31.08.2020	(21) EP20917364.0	MIKIDA, Toshiyuki
(33) United States of America	(47) 12.02.2025	OKUDA, Masataka
(51) H02K 41/03	(87) JP2020004744	(31) 2019100525
H02K 1/17	12.08.2021	(32) 29.05.2019
B66B 13/08	(22) 07.02.2020	(33) Japan
B66B 13/14	(54) POWER CONVERSION DEVICE	(51) H02M 3/07
E05F 15/60	(73) MITSUBISHI ELECTRIC CORPORATION	H02M 1/44
E05F 17/00	(72) TAKAHASHI, Yuya	(11) EP3975405
(11) EP3402040	(51) H02M 1/12	(21) EP20913988.0
(21) EP18171945.1	H02M 5/12	(47) 12.02.2025
(47) 12.02.2025	H02J 3/38	(87) CN2020137334
	(11) EP4037171	22.07.2021
	(21) EP21205009.0	(22) 17.12.2020
	(47) 12.02.2025	(54) SWITCH CONTROL CIRCUIT, MULTIPLEXER SWITCH CIRCUIT AND CONTROL METHOD FOR
	(22) 27.10.2021	

MULTIPLEXER SWITCH CONTROL CIRCUIT	(22) 27.09.2018	(33) Japan
(73) Chipone Technology (Beijing) Co., Ltd.	(54) POWER CONVERSION DEVICE	(51) H02P 9/04
(72) CHEN, Feixiang	(73) Daikin Industries, Ltd.	F03B 15/04
YANG, Jun	(72) TANIGUCHI, Tomoisa	H02J 9/00
LI, Weijiang	HAYASHI, Nobuo	F03B 15/02
LI, Zhuo	OGAWA, Takurou	H02J 9/06
(31) 202010039535	SEKIMOTO, Morimitsu	H02P 29/028
(32) 14.01.2020	(31) 2017189301	(11) EP3496264
(33) China	(32) 29.09.2017	(21) EP17852940.0
(51) H02M 3/156	(33) Japan	(47) 12.02.2025
A24F 47/00	(51) H02P 6/08	(87) JP2017033247
(11) EP3569078	(11) EP3807987	29.03.2018
(21) EP18757405.8	(21) EP18732727.5	(22) 14.09.2017
(47) 12.02.2025	(47) 12.02.2025	(54) HYDROELECTRIC POWER
(87) CN2018071513	(87) EP2018065972	GENERATION SYSTEM
30.08.2018	19.12.2019	(73) Daikin Industries, Ltd.
(22) 05.01.2018	(22) 15.06.2018	(72) SUHARA, Atsushi
(54) OSCILLATION CONTROL CIRCUIT OF	(54) SEMI-SYMMETRIC SWITCHING	SAKAMOTO, Tomomi
ULTRASONIC ATOMIZATION SHEET	(73) Mirka Oy	ABE, Takahiro
AND ULTRASONIC ELECTRONIC	(72) NORDSTRÖM, Caj	(31) 2016182838
CIGARETTE	SÖDERGÅRD, Tomas	(32) 20.09.2016
(73) China Tobacco Hunan Industrial Co., Ltd.	(51) H02P 6/08	(33) Japan
(72) YI, Jianhua	H02P 6/17	(51) H02P 21/14
GUO, Xiaoyi	H02P 6/20	G01R 31/34
YU, Hong	(11) EP3772815	(11) EP4292212
LIU, Jianfu	(21) EP19190292.3	(21) EP22851042.6
HUANG, Wei	(47) 12.02.2025	(47) 12.02.2025
DAI, Yuangang	(22) 06.08.2019	(87) JP2022046991
CAO, Guangping	(54) CONTROLLER AND METHOD FOR	24.08.2023
YIN, Xinqiang	MOTOR DIAGNOSIS	(22) 14.12.2022
ZHONG, Kejun	(73) Melexis Bulgaria Ltd.	(54) SYSTEM AND METHOD FOR
(31) 201720171231 U	(72) LEMAN, Dirk	DETECTING A FAULT OF AN
201720171235 U	(31) 11297819	OPERATION OF A SYNCHRONOUS
201720170890 U	(32) 05.08.2019	MOTOR
(32) 24.02.2017	(33) Bulgaria	(73) Mitsubishi Electric Corporation
24.02.2017	(51) H02P 6/08	(72) LIN, Chungwei
24.02.2017	H02P 6/20	WANG, Bingnan
(33) China	H02P 6/24	NABI, Saleh
China	H02P 6/28	(31) 202217651321
China	H02P 29/032	(32) 16.02.2022
(51) H02M 3/158	H02P 29/024	(33) United States of America
H02M 1/00	(11) EP4187773	(51) H02P 21/14
G01R 19/00	(21) EP22857005.7	H02P 21/22
(11) EP4073611	(47) 12.02.2025	(11) EP4224701
(21) EP20900413.4	(87) CN2022115422	(21) EP23162005.5
(47) 12.02.2025	23.03.2023	(47) 12.02.2025
(87) US2020063544	(22) 29.08.2022	(22) 29.04.2022
17.06.2021	(54) DRIVE CONTROL DEVICE FOR	(54) INVERTER FOR CONTROLLING AN
(22) 07.12.2020	BRUSHLESS MOTOR AND RELATED	ELECTRIC MACHINE WITHOUT PRIOR
(54) CURRENT SENSE CIRCUIT	DEVICE	CHARACTERIZATION AND METHOD
TOPOLOGY	(73) Honor Device Co., Ltd.	(73) Deere & Company
(73) Texas Instruments Incorporated	(72) ZOU, Wenbo	(72) WU, Long
(72) BAYER, Erich-Johann	(31) 202111081378	LI, Danielle
HARDER, Christian	(32) 15.09.2021	THYAGARAJAN, Lav
PETRINA, Gaetano	(33) China	WHITE, Lauren
KIRCHNER, Joerg	(51) H02P 6/10	JOHNSON, Scott
SHUMKOV, Ivan	B60K 6/46	(31) 202117643831
(31) 201916708066	(11) EP3836386	202163201963 P
(32) 09.12.2019	(21) EP20201150.8	(32) 12.12.2021
(33) United States of America	(47) 12.02.2025	20.05.2021
(51) H02M 7/48	(22) 09.10.2020	(33) United States of America
H02P 27/06	(54) CONTROLLER OF VEHICLE	United States of America
H02M 7/5387	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA	(51) H02P 21/20
H02M 5/458	(72) SAITO, Hirotaka	H02P 21/14
(11) EP4231517	HAGIMOTO, Taiga	H02P 23/12
(21) EP23183586.9	WAKABAYASHI, Hideto	H02P 23/14
(47) 12.02.2025	(31) 2019222446	(11) EP4156500
	(32) 09.12.2019	(21) EP21904629.9

(47) 12.02.2025	(21) EP22749740.1	(54) STACK OF SOLAR MODULES WITH
(87) CN2021112492	(47) 12.02.2025	BIFACIAL SOLAR PANELS AND
16.02.2023	(87) JP2022004060	METHOD FOR INSTALLATION
(22) 13.08.2021	11.08.2022	(73) OVER EASY SOLAR AS
(54) TORQUE ACQUISITION METHOD AND	(22) 02.02.2022	(72) MONGSTAD, Trygve
APPARATUS, MOTOR CONTROLLER,	(54) ROTARY ELECTRIC MACHINE	(31) 20211187
READABLE STORAGE MEDIUM	CONTROL SYSTEM	20210379
(73) Contemporary Ampere Technology	(73) AISIN CORPORATION	(32) 05.10.2021
(Hong Kong) Limited	(72) SAHA, Subrata	24.03.2021
(72) ZHENG, Xiong	(31) 2021017730	(33) Norway
DAN, Zhimin	(32) 05.02.2021	Norway
PAN, Xianxi	(33) Japan	(51) H02S 50/10
CAI, Feilong	(51) H02P 29/66	(11) EP4376296
(51) H02P 21/22	H02P 29/60	(21) EP22306726.5
H02P 27/06	H02P 23/14	(47) 12.02.2025
(11) EP4207584	(11) EP4148978	(22) 23.11.2022
(21) EP20951549.3	(21) EP22306336.3	(54) METHOD FOR ESTIMATING A
(47) 12.02.2025	(47) 12.02.2025	BREAKDOWN VOLTAGE OF A
(87) JP2020032781	(22) 09.09.2022	PHOTOVOLTAIC CELL
03.03.2022	(54) CONTROL METHOD FOR THERMAL	(73) Université Savoie Mont Blanc
(22) 28.08.2020	OVERLOAD PROTECTION OF	Commissariat à l'Energie Atomique et
(54) METHOD FOR CONTROLLING	ASYNCHRONOUS MOTOR	aux Energies Alternatives
MOTOR, AND MOTOR SYSTEM	(73) Schneider Electric Industries SAS	Centre National de la Recherche
(73) NISSAN MOTOR CO., LTD.	(72) XING, Jinlei	Scientifique
(72) FUJIWARA, Kengo	(31) 202111055238	(72) AMHAL, Mohamed
KOJIMA, Tetsuro	(32) 09.09.2021	CARDENAS, Carlos
(51) H02P 23/14	(33) China	HA, Duy Long
(11) EP4340213	(51) H02P 29/68	DUTYKH, Denys
(21) EP22851605.0	(11) EP4046269	(51) H03F 1/02
(47) 12.02.2025	(21) EP20824136.4	H03F 3/21
(87) CN2022086241	(47) 12.02.2025	H03F 3/24
09.02.2023	(87) EP2020084478	H03F 3/68
(22) 12.04.2022	24.06.2021	H03F 3/72
(54) DIRECT CURRENT ESTIMATION	(22) 03.12.2020	H03F 3/62
METHOD AND SYSTEM BASED ON	(54) METHOD OF PROTECTING A	H03F 3/189
DIRECT-CURRENT BUS VOLTAGE	CONVERTER OF A WIND TURBINE	H04B 17/21
(73) Leadrive Technology (Shanghai) Co. Ltd	AND PROTECTION SYSTEM	(11) EP3292629
Shanghai Lingang Power Electronics	(73) Siemens Gamesa Renewable Energy	(21) EP16716805.3
Research Institute Co., Ltd	Innovation & Technology S.L.	(47) 12.02.2025
(72) SHEN, Jie	(72) VAZQUEZ-PRADA SIMON, Fernando	(87) US2016026679
(31) 202110885079	BERMEJO HERNANDEZ, Victor	10.11.2016
(32) 03.08.2021	AGUDO ARAQUE, Andres	(22) 08.04.2016
(33) China	(31) 19380036	(54) LOW NOISE AMPLIFIER MODULE
(51) H02P 29/00	(32) 18.12.2019	WITH OUTPUT COUPLER
(11) EP3972123	(33) European Patent Office (EPO)	(73) Qualcomm Incorporated
(21) EP21196835.9	(51) H02S 20/23	(72) PAN, Dongling
(47) 12.02.2025	F24S 25/60	WANG, Kevin Hsi Huai
(22) 15.09.2021	F24S 25/613	LEUNG, Lai Kan
(54) MOTOR DRIVER CONTROLLER	F24S 25/70	NARATHONG, Chiewcham
ANALYSIS DEVICE	(11) EP4148980	(31) 201514706917
(73) Lennox Industries Inc.	(21) EP22195172.6	(32) 07.05.2015
(72) VESELKA, Harvey	(47) 12.02.2025	(33) United States of America
SUBRAMANIAM, Palanivel	(22) 12.09.2022	(51) H03F 3/217
SANDOVAL, Jose	(54) TILE HOOK	H03K 17/06
(31) 202017028808	(73) BluBase B.V.	H03K 17/691
(32) 22.09.2020	(72) Jurg, Ruben	(11) EP4113835
(33) United States of America	(31) 2029180	(21) EP22192119.0
(51) H02P 29/024	(32) 13.09.2021	(47) 12.02.2025
H02P 3/22	(33) Netherlands	(22) 21.11.2017
H02M 7/48	(51) H02S 20/24	(54) TRANSFORMER BASED GATE DRIVE
H02M 7/493	(11) EP4315595	CIRCUIT
B60L 50/00	(21) EP22717946.2	(73) Raytheon Company
H02M 1/32	(47) 12.02.2025	(72) CHANDRASEKARAN, Sriram
H02M 7/521	(87) NO2022050069	HOCKEMA, Michael S.
H02M 7/527	29.09.2022	(31) 201715413166
B60L 3/00	(22) 18.03.2022	(32) 23.01.2017
B60L 15/00		(33) United States of America
(11) EP4220938		(51) H03F 3/72

H03F 1/02	H03L 7/00	(11) EP3776875
H03F 1/52	H03L 7/081	(21) EP19821528.7
H03F 3/21	H03L 7/099	(47) 12.02.2025
H03F 3/24	(11) EP4042571	(87) KR2019007303
H03F 3/60	(21) EP20762021.2	26.12.2019
(11) EP3742609	(47) 12.02.2025	(22) 18.06.2019
(21) EP19176021.4	(87) US2020046687	(54) ELECTRONIC DEVICE FOR
(47) 12.02.2025	27.05.2021	PERFORMING CARRIER
(22) 22.05.2019	(22) 17.08.2020	AGGREGATION USING PLURALITY OF
(54) METHOD OF OPERATING AN	(54) LOW NOISE QUADRATURE SIGNAL	CARRIER FREQUENCIES VIA SWITCH
AMPLIFIER DEVICE AND AMPLIFIER	GENERATION	AND OPERATING METHOD THEREOF
DEVICE	(73) Xilinx, Inc.	(73) Samsung Electronics Co., Ltd.
(73) Rohde & Schwarz GmbH & Co. KG	(72) MA, Shaojun	(72) CHOI, Youngbaek
(72) Göritz, Raimon	SHIN, Jaewook	(31) 20180069714
Laurisch, Knut	UPADHYAYA, Parag	(32) 18.06.2018
(51) H03H 7/38	(31) 201916688130	(33) Korea (Republic)
H03H 7/01	(32) 19.11.2019	(51) H04B 1/3827
H03F 1/56	(33) United States of America	H01Q 1/08
H03F 3/19	(51) H03M 1/66	H01Q 1/27
H03F 3/24	H03M 1/76	H01Q 21/00
(11) EP4207596	(11) EP3753111	H01Q 21/06
(21) EP22857332.5	(21) EP19737892.0	(11) EP4128545
(47) 12.02.2025	(47) 12.02.2025	(21) EP21718210.4
(87) CN2022090482	(87) IB2019054306	(47) 12.02.2025
23.02.2023	19.12.2019	(87) IB2021052759
(22) 29.04.2022	(22) 23.05.2019	07.10.2021
(54) MATCHING CIRCUIT, RADIO	(54) DIGITAL-TO-ANALOG CONVERTER	(22) 01.04.2021
FREQUENCY FRONT END POWER	AND GENERATION OF HIGH-	(54) FIELD-ASSEMBLED MODULAR
AMPLIFICATION CIRCUIT, AND	BANDWIDTH ANALOG SIGNALS	PHASED ARRAY SATCOM TERMINAL
MOBILE COMMUNICATION DEVICE	(73) Ciena Corporation	(73) ALL SPACE NETWORKS LIMITED
(73) Lansus Technologies Inc.	(72) ROBERTS, Kim	(72) TURPIN, Jeremiah P.
(72) LONG, Hua	OVEIS GHARAN, Shahab	FINNEY, John
ZHOU, Jiahui	BEN-HAMIDA, Naim	BILLMAN, Brian
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(51) H03K 17/296	(33) United States of America	(51) H04B 1/3888
(11) EP4362334	(51) H03M 3/00	B29C 63/00
(21) EP23202480.2	(11) EP3556020	B32B 37/00
(47) 12.02.2025	(21) EP16820203.4	B29C 63/02
(22) 09.10.2023	(47) 12.02.2025	(11) EP4438267
(54) AUTOMATIC POWER OFF CIRCUIT OF	(87) EP2016080925	(21) EP23165576.2
NON-REBOUND SWITCHES	21.06.2018	(47) 12.02.2025
(73) Sndway Technology (Guangdong) Co.,	(22) 14.12.2016	(22) 30.03.2023
Ltd.	(54) A HEARING ASSISTIVE DEVICE WITH	(54) PACKAGE COMPRISING A SCREEN
(72) HE, Gang	A DIVIDED POWER SUPPLY VOLTAGE	PROTECTIVE LAYER AND METHOD
MO, Yeyi	AS VOLTAGE REFERENCE	OF APPLYING THE SCREEN
(31) 202211298865	(73) WIDEX A/S	PROTECTIVE LAYER TO THE SCREEN
(32) 24.10.2022	(72) KNUDSEN, Niels Ole	OF A MOBILE TERMINAL BY MEANS
(33) China	(51) H04B 1/00	OF SUCH A PACKAGE
(51) H03K 17/72	H04B 1/16	(73) Dojan, Daniel
H01L 23/00	H03M 1/00	(72) Dojan, Daniel
H01L 25/11	(11) EP4302405	(51) H04B 1/403
H01L 25/07	(21) EP22723235.2	(11) EP3982549
(11) EP3948943	(47) 12.02.2025	(21) EP20200971.8
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(47) 12.02.2025	06.10.2022	(22) 09.10.2020
(87) EP2020080174	(22) 29.03.2022	(54) MULTI-ANTENNA TRANSCEIVER
21.10.2021	(54) SYSTEM AND METHOD FOR	SYSTEM FOR MULTI-BAND
(22) 27.10.2020	SAMPLING SIGNALS	OPERATION
(54) SWITCHING ELEMENT	(73) VIASAT INC.	(73) Beamwave AB
(73) Marquardt GmbH	(72) KIESEL, Gregory, N.	(72) BRANDT, Per-Olof
(72) HAGGE, Torsten	(31) 202163168236 P	LINDSTRAND, Jonas
PENISCH, Johannes	(32) 30.03.2021	LINDOFF, Bengt
(31) 102020002283	(33) United States of America	(51) H04B 1/403
(32) 15.04.2020	(51) H04B 1/00	(11) EP3982548
(33) Germany	H04L 27/152	(21) EP20200969.2
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(54) FREQUENCY GENERATION OF A MULTI-ANTENNA TRANSCEIVER SYSTEM	(32) 22.05.2019	(22) 23.10.2020
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(72) LINDOFF, Bengt	(51) H04B 7/0408	(73) Samsung Electronics Co., Ltd.
BRANDT, Per-Olof	H04B 7/06	(72) IBRAHIM, Ahmed Atef Ibrahim
LINDSTRAND, Jonas	H04L 5/00	LIN, Zinan
(51) H04B 1/7163	H04W 16/28	JURDI, Rebal Al
G01S 13/76	(11) EP3961935	ZHANG, Jianzhong
(11) EP3659265	(21) EP21187853.3	CHEN, Hao
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(47) 12.02.2025	(22) 13.11.2018	(31) 202017076746
(87) EP2018084058	(54) BEAM CONFIGURATION METHODS, APPARATUSES, COMPUTER-READABLE STORAGE MEDIA AND COMPUTER PROGRAM PRODUCTS	201962926218 P
13.06.2019	(73) Huawei Technologies Co., Ltd.	(32) 21.10.2020
(22) 07.12.2018	(72) Liu, Jianqin	25.10.2019
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(73) Decawave Ltd.	Guan, Peng	United States of America
(72) NIEWCZAS, Jaroslaw	Zhang, Di	(51) H04B 7/0491
MCLAUGHLIN, Michael	Qin, Yi	H04B 7/08
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(21) EP18790800.9	(54) METHODS AND APPARATUSES FOR CSI REPORTING IN A WIRELESS COMMUNICATION SYSTEM	H04L 27/26
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SHAO, Hua	(87) KR2020014623	H04W 74/0833
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RECEIVING SIGNALS IN UNLICENSED	PASSIVE OPTICAL NETWORK	COHERENT OPTICAL SIGNALS
SPECTRUM, AND DEVICE THEREFOR	(73) Frontier Communications Holdings, LLC	BY MEANS OF A STRUCTURE
(73) LG Electronics Inc.	(72) WARDOJO, Erwin	EXHIBITING FANO RESONANCE
(72) KIM, Seonwook	VALDEZ, John	(73) Danmarks Tekniske Universitet
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(73) Wilson Electronics, LLC	(47) 12.02.2025	(51) H04B 17/345
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PALAGI, Alfredo	Korea (Republic)	LUO, Tao
MAGRI, Roberto	(51) H04L 1/00	FAKOORIAN, Seyed Ali Akbar
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RECEIVING DEVICE	(73) QUALCOMM INCORPORATED	INFORMATION DELIVERED IN
(73) Huawei Technologies Co., Ltd.	(72) SUN, Jing	DEMODULATION REFERENCE
(72) QIU, Xianwen	CHANDE, Vinay	SIGNALS (DMRS)
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(73) Apple Inc.	(47) 12.02.2025	ZHANG, Yushu
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KWON, Hwan-Joon	14.05.2021	ZHANG, Dawei
DAVYDOV, Alexei	(22) 09.11.2020	FAKOORIAN, Seyed Ali Akbar
XIONG, Gang	(54) METHOD AND USER EQUIPMENT	YE, Chunxuan
HE, Hong	FOR CONSTRUCTION OF DOWNLINK	OTERI, Oghenekome
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VB2

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G16H 20/30	(11) EP3599898	A61B 5/00
G16H 40/60	(51) A23L 33/105	(11) EP3988471
G16H 50/20	A61K 36/53	(51) B65D 81/00
G16H 50/30	A23L 5/20	A61B 5/00
G16H 50/50	A23L 33/115	(11) EP4026488
A61M 5/14	A23C 3/08	(51) A61B 5/00
A61M 5/142	A23L 33/00	A61B 5/145
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(51) B41M 3/14	A23L 33/16	(11) EP4070727
B42D 13/00	A23L 33/17	(51) A61B 5/145
B42D 25/24	(11) EP3613860	(11) EP4111949
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(51) C09J 123/08	C12P 19/14	A61B 5/145
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B05B 15/04	G02F 1/225
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B62D 55/24	G06F 8/35
B62D 55/26	H04L 67/10
B62D 57/024	H04L 67/12
B63B 59/10	H04L 67/53
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G01N 21/77	G06N 20/20
G01N 27/447	H04L 69/40
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(11) EP4284635	(11) EP4310889	
(00) 09.10.2024	(00) 09.10.2024	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4284665	(11) EP4314169	
(00) 09.10.2024	(00) 09.10.2024	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4286128	(11) EP4314637	
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(11) EP4286636	(11) EP4316881	
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(11) EP4288866	(11) EP4324250	
(00) 09.10.2024	(00) 09.10.2024	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4289237	(11) EP4326582	
(00) 09.10.2024	(00) 09.10.2024	

VRB**Correcties op eerdere publicaties.
Corrections on earlier publications.**

(11) EP3278213
(00) 06.01.2025
(00) Suspension (Rule 14)
(51) G06F 8/10
 G06F 8/20
 G06F 8/35
 H04L 67/10
 H04L 67/12
 H04L 67/53
 H04L 67/566
 H04L 69/16
 H04L 67/60
 H04L 67/61
 G06N 20/20
 H04L 69/40
 G06F 16/25
 G06N 5/01
 G06Q 10/06

CO

Wijzigingen in het Nederlands Octrooiregister. Changes in the Netherlands Patent Register.

(71) Universiteit Twente Holding B.V.	(00) 03.02.2025	(51) F25J 1/00
(73) DEMCON sound solutions B.V.	(51) B08B 9/08	F25J 1/02
(11) 2003832	F23G 5/40	F25J 3/02
(00) 04.02.2025	F23G 7/06	(00) Assignment
(51) G01H 3/08	(00) Change of owner(s) name	(71) Hercules Project Company LLC
(00) Change of owner(s) name	(71) HORPHAG RESEARCH IP LTD	(73) Hercules Project Company LLC
(71) DEMCON sound solutions B.V.	(73) HORPHAG RESEARCH IP LTD	(11) EP2944900
(73) DEMCON sound solutions B.V.	(11) EP2585088	(00) 03.02.2025
(11) 2003832	(00) 06.02.2025	(51) F25J 1/00
(00) 04.02.2025	(51) A61K 31/198	F25J 1/02
(51) G01H 3/08	A61K 31/353	F25J 3/02
(00) Assignment	A61K 36/49	(00) Assignment
(71) Universiteit Twente Holding B.V.	A61K 36/738	(71) OT Patent Escrow, LLC
(73) DEMCON sound solutions B.V.	A61P 15/00	(73) Malikie Innovations Limited
(11) 2004628	(00) Merge	(11) EP2086281
(00) 04.02.2025	(71) AIC316 GmbH	(00) 03.02.2025
(51) G01H 3/08	(73) AIC316 GmbH	(51) H04W 76/04
(00) Change of owner(s) name	(11) EP2598501	(00) Assignment
(71) TKF Telecom Solutions B.V.	(00) 07.02.2025	(71) Boston Scientific Neuromodulation Corporation
(73) TKF Telecom Solutions B.V.	(51) A61K 31/4402	(73) Boston Scientific Neuromodulation Corporation
(11) 2011287	A61P 31/00	(11) EP2321002
(00) 07.02.2025	A61P 31/22	(00) 21.01.2025
(51) G02B 6/38	C07D 417/12	(51) G06F 19/00
(00) Assignment	(00) Assignment	A61N 1/36
(71) DEMCON sound solutions B.V.	(71) AIC316 GmbH	A61N 1/372
(73) DEMCON sound solutions B.V.	(73) AIC316 GmbH	(00) Merge
(11) 2004628	(11) EP2598502	(71) DEMCON sound solutions B.V.
(00) 04.02.2025	(00) 07.02.2025	(73) DEMCON sound solutions B.V.
(51) G01H 3/08	(51) A61K 31/4402	(11) EP2502035
(00) Assignment	A61P 31/00	(00) 04.02.2025
(71) HORPHAG RESEARCH IP LTD	A61P 31/22	(51) G01H 3/10
INDENA S.p.A.	C07D 417/12	(00) Assignment
(73) HORPHAG RESEARCH IP LTD	(00) Assignment	(71) AIC316 GmbH
INDENA S.p.A.	(71) Advanced Business Software and Solutions Limited	(73) AIC316 GmbH
(11) EP2252285	(73) Advanced Business Software and Solutions Limited	(11) EP2602258
(00) 06.02.2025	(11) EP2671190	(00) 07.02.2025
(51) A61K 31/353	(00) 07.02.2025	(51) C07D 417/12
A61K 31/7048	(51) G06F 17/30	(00) Assignment
A61K 36/15	G06K 9/00	(71) Malikie Innovations Limited
A61K 36/45	G06K 9/72	(73) Malikie Innovations Limited
A61P 27/00	(00) Assignment	(11) EP2615796
A61P 27/06	(71) TKF Telecom Solutions B.V.	(00) 03.02.2025
(00) Merge	(73) TKF Telecom Solutions B.V.	(51) H04L 29/06
(71) Malikie Innovations Limited	(11) 2015509	H04M 3/42
(73) Malikie Innovations Limited	(00) 07.02.2025	(00) Assignment
(11) EP2086281	(51) H02G 1/06	(71) VMware LLC
(00) 03.02.2025	H02G 3/22	(73) VMware LLC
(51) H04W 76/04	(00) Assignment	(11) EP3342100
(00) Assignment	(71) HORPHAG RESEARCH IP LTD	(00) 06.02.2025
(71) SIS GmbH	(73) HORPHAG RESEARCH IP LTD	(51) H04L 12/08
(73) ETS Degassing GmbH	(11) EP2793905	H04L 12/24
(11) EP2241806	(00) 06.02.2025	H04L 12/46
(00) 03.02.2025	(51) A61K 31/7024	H04L 29/06
(51) B08B 9/08	A61K 36/49	H04L 29/08
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F23G 7/06	(71) Hercules Project Company LLC	H04W 12/08
(00) Merge	(73) Hercules Project Company LLC	H04W 76/12
(71) ETS Degassing GmbH	(11) EP2944902	G06F 16/901
(73) ETS Degassing GmbH	(00) 03.02.2025	(00) Merge
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(71) OT Patent Escrow, LLC	(00) 03.02.2025	H04L 29/08
(73) Malikie Innovations Limited	(51) F23G 7/06	H04L 29/12
(11) EP2615796	(00) Merge	H04L 12/931
(00) 03.02.2025	(71) LioniX International B.V.	G06F 9/455
(51) H04L 29/06	(73) LioniX International B.V.	(00) Merge
H04M 3/42	(11) EP2720073	(71) Hercules Project Company LLC
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(71) SIS GmbH	(51) G02B 6/14	(11) EP1872072
(73) ETS Degassing GmbH	G02B 6/30	(00) 03.02.2025
(11) EP2835582	(00) Merge	(51) F25J 1/02
(00) 03.02.2025	(71) OT Patent Escrow, LLC	F25J 3/02
(51) F23J 1/02	(73) Malikie Innovations Limited	(00) Assignment
(00) Merge	(11) EP2534857	(71) VMware LLC
(71) ETS Degassing GmbH	(00) 03.02.2025	(73) VMware LLC
(73) ETS Degassing GmbH	(51) H04L 5/00	(11) EP3335389
(11) EP2835582	H04L 25/02	(00) 06.02.2025
(00) 03.02.2025	H04W 24/10	(51) H04L 12/715
(51) F23J 1/02	H04W 72/08	H04L 12/717
(00) Change of owner(s) name	H04B 7/024	H04L 12/721
(71) Universiteit van Amsterdam	H04W 4/00	H04L 12/741
Deep Sleep Technologies B.V.	H04W 76/27	H04L 12/931
(73) Deep Sleep Technologies B.V.	(00) Assignment	(00) Merge
Universiteit van Amsterdam	(71) Malikie Innovations Limited	(71) Hercules Project Company LLC
(11) 2018435	(73) Malikie Innovations Limited	(73) Hercules Project Company LLC
(00) 07.02.2025	(11) EP2534857	(11) EP3561421
(51) A61B 5/00	(00) 03.02.2025	(00) 03.02.2025
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A61B 5/0482	H04L 25/02	F25J 1/02
A61M 21/02	H04W 24/10	(00) Assignment
(00) Assignment	H04W 72/08	(71) ExCulture B.V.
(71) Universiteit Twente Holding B.V.	H04B 7/024	(73) ExCulture B.V.
(73) DEMCON sound solutions B.V.	H04W 4/00	(11) 2021875
(11) EP2502035	H04W 76/27	(00) 07.02.2025
(00) 04.02.2025	(00) Assignment	(51) C12P 19/26
(51) G01H 3/10	(71) Guangdong Royalking Intelligent Sanitary	C12N 9/10
(00) Change of owner(s) name	Ware Co.,Ltd	C12N 9/12
(71) CommScope UK Limited	(73) Guangdong Royalking Intelligent Sanitary	C12N 9/90
(73) CommScope UK Limited	Ware Co.,Ltd	C12N 15/52
(11) EP3143749	(11) EP2944730	C12P 19/02
(00) 06.02.2025	(00) 07.02.2025	C12P 19/12
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(71) Hercules Project Company LLC	E03D 11/17	(71) VMware LLC
(73) Hercules Project Company LLC	(00) Assignment	(73) VMware LLC
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(00) 03.02.2025	(73) Hercules Project Company LLC	(00) 06.02.2025
(51) F25J 1/00	(11) EP2324311	(51) G06F 9/50
F25J 1/02	(00) 03.02.2025	G06F 8/71
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(71) HORPHAG RESEARCH IP LTD	(00) Assignment	(71) Carbon Black, LLC
(73) HORPHAG RESEARCH IP LTD	(71) Atlantic Pacific Equipment, LLC	(73) VMware LLC
(11) EP2800572	(73) Atlantic Pacific Equipment, LLC	(11) EP3433995
(00) 06.02.2025	(11) EP3344829	(00) 06.02.2025
(51) A61K 31/7024	(00) 07.02.2025	(51) H04L 9/40
A61K 36/49	(51) E04G 7/00	(00) Change of Legal Entity
A61P 25/22	E04G 1/14	(71) Hercules Project Company LLC
A61P 25/24	E04G 1/15	(73) Hercules Project Company LLC
(00) Merge	E04G 7/32	(11) EP2366085
(71) ETS Degassing GmbH	E04G 7/14	(00) 03.02.2025
(73) ETS Degassing GmbH	(00) Change of Legal Entity	(51) F25J 1/02
(11) EP2811229	(71) VMware LLC	(00) Assignment
(00) 03.02.2025	(73) VMware LLC	(71) VMware LLC
(51) F23G 7/06	(11) EP3485610	(73) VMware LLC
(00) Change of owner(s) name	(00) 06.02.2025	(11) EP3378201
(71) SIS GmbH	(51) G06F 9/50	(00) 06.02.2025
(73) ETS Degassing GmbH	H04L 12/24	(51) H04L 12/46
(11) EP2811229	H04L 29/06	(00) Merge

(71) Hercules Project Company LLC	(00) Merge	H04L 41/0895
(73) Hercules Project Company LLC	(71) NANOBIOTIX	H04L 41/0894
(11) EP3246644	(73) NANOBIOTIX	(00) Merge
(00) 03.02.2025	(11) EP3229843	(71) Hercules Project Company LLC
(51) F25J 1/00	(00) 05.02.2025	(73) Hercules Project Company LLC
F25J 1/02	(51) A61K 9/50	(11) EP3255364
(00) Assignment	A61K 9/51	(00) 03.02.2025
(71) Regeneron Pharmaceuticals, Inc.	A61K 47/42	(51) F25J 1/00
(73) Regeneron Pharmaceuticals, Inc.	(00) Assignment	F25J 1/02
(11) EP3027204	(71) Ciech Soda Polska S.A.	(00) Assignment
(00) 05.02.2025	(73) Ciech Soda Polska S.A.	(71) Malikie Innovations Limited
(51) A61K 39/00	(11) EP3369707	(73) Malikie Innovations Limited
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(00) Assignment	B01D 53/75	(51) H04L 9/08
(71) TKF Telecom Solutions B.V.	C01D 7/18	H04L 9/32
(73) TKF Telecom Solutions B.V.	C01B 32/50	H04W 12/00
(11) 2031468	C01B 32/60	H04W 12/04
(00) 07.02.2025	(00) Assignment	(00) Assignment
(51) H04Q 1/02	(71) TKF Telecom Solutions B.V.	(71) OT Patent Escrow, LLC
(00) Assignment	(73) TKF Telecom Solutions B.V.	(73) Malikie Innovations Limited
(71) TKF Telecom Solutions B.V.	(11) 2025585	(11) EP3605942
(73) TKF Telecom Solutions B.V.	(00) 07.02.2025	(00) 03.02.2025
(11) 1043215	(51) H02G 3/06	(51) H04L 9/08
(00) 07.02.2025	H02G 3/08	H04L 9/32
(51) G01R 33/00	H02G 3/22	H04W 12/00
H02G 3/22	H02G 15/007	H04W 12/04
G01R 33/02	H02G 15/013	(00) Assignment
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(00) Assignment	(71) VMware LLC	(73) TOBII TECHNOLOGIES LIMITED
(71) TURTLE PROP HTP HOLDING B.V.	(73) VMware LLC	(11) EP3668015
(73) TURTLE PROP HTP HOLDING B.V.	(11) EP3298487	(00) 31.01.2025
(11) 2032174	(00) 06.02.2025	(51) G06F 9/50
(00) 03.02.2025	(51) G06F 9/455	G06K 9/00
(51) F03B 17/06	H04L 45/586	G06N 3/04
(00) Assignment	H04L 45/745	H04L 12/26
(71) Hercules Project Company LLC	H04L 69/329	(00) Change of owner(s) name
(73) Hercules Project Company LLC	(00) Merge	(71) NANOBIOTIX
(11) EP2880134	(71) Netled Technology Oy	(73) NANOBIOTIX
(00) 03.02.2025	(73) Netled Technology Oy	(11) EP3223796
(51) C10L 3/10	(11) EP3468345	(00) 05.02.2025
F25J 1/00	(00) 06.02.2025	(51) A61K 9/127
F25J 1/02	(51) A01G 9/24	A61K 9/51
F25J 3/02	F21V 29/56	A61K 31/37
F25J 3/06	(00) Assignment	A61K 45/06
(00) Assignment	(71) VMware LLC	A61P 17/06
(71) Martinus Nielsen ApS	(73) VMware LLC	A61P 31/10
(73) Martinus Nielsen ApS	(11) EP3846043	A61P 43/00
(11) EP3374589	(00) 06.02.2025	C07D 491/14
(00) 06.02.2025	(51) G06F 15/16	(00) Assignment
(51) E06C 1/12	G06F 11/34	(71) ChemValve-Schmid AG
(00) Assignment	G06F 9/48	(73) ChemValve-Schmid AG
(71) Hercules Project Company LLC	G06F 9/455	(11) EP3252357
(73) Hercules Project Company LLC	H04L 41/08	(00) 07.02.2025
(11) EP3273194	H04L 41/12	(51) F16K 5/06
(00) 03.02.2025	H04L 45/02	F16K 27/06
(51) F25J 1/00	H04L 49/15	(00) Assignment
F25J 1/02	H04L 49/00	(71) Hercules Project Company LLC
(00) Assignment	H04L 61/2517	(73) Hercules Project Company LLC
(71) VMware LLC	H04L 61/2521	(11) EP3489601
(73) VMware LLC	H04L 61/256	(00) 03.02.2025
(11) EP3673627	H04L 9/40	(51) F25J 1/00
(00) 06.02.2025	H04L 67/1008	F25J 1/02
(51) H04L 45/64	H04L 41/0803	(00) Assignment
H04L 45/00	H04L 41/0806	(71) TOBII TECHNOLOGIES LIMITED
H04L 45/745	H04L 41/0813	(73) TOBII TECHNOLOGIES LIMITED
H04L 12/66	H04L 41/0823	(11) EP3796639

(00) 31.01.2025	(00) 06.02.2025	H04L 12/46
(51) H04N 5/232	(51) H04L 9/40	H04L 45/74
(00) Change of owner(s) name	(00) Merge	H04L 69/321
(71) VMware LLC	(71) AI Fluids Limited	H04L 41/122
(73) VMware LLC	(73) AI Fluids Limited	H04L 41/40
(11) EP3673628	(11) EP4018071	H04L 45/033
(00) 06.02.2025	(00) 03.02.2025	H04L 67/568
(51) H04L 45/302	(51) E21B 21/06	H04L 67/63
H04L 45/00	(00) Assignment	H04L 101/663
H04L 12/46	(71) Hercules Project Company LLC	(00) Merge
(00) Merge	(73) Hercules Project Company LLC	(71) Hercules Project Company LLC
(71) TOBII TECHNOLOGIES LIMITED	(11) EP3470761	(73) Hercules Project Company LLC
(73) TOBII TECHNOLOGIES LIMITED	(00) 03.02.2025	(11) EP3865799
(11) EP3983938	(51) F25J 3/02	(00) 03.02.2025
(00) 31.01.2025	F25J 1/00	(51) F25J 1/00
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G06V 10/764	(00) Assignment	(00) Assignment
(00) Change of owner(s) name	(71) Hercules Project Company LLC	
(71) Hercules Project Company LLC	(73) Hercules Project Company LLC	
(73) Hercules Project Company LLC	(11) EP3382305	
(11) EP3159637	(00) 03.02.2025	
(00) 03.02.2025	(51) F25J 1/00	
(51) F25J 1/00	F04D 25/16	
F25J 1/02	F25B 1/10	
F04B 25/00	F25B 1/04	
F04C 23/00	F25J 1/02	
F04B 41/06	F04D 17/12	
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(11) EP3229776	(11) EP3575716	
(00) 05.02.2025	(00) 03.02.2025	
(51) A61K 31/704	(51) F25J 1/00	
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A61K 9/127	(71) NANOBIOTIX	
A61P 35/00	(73) NANOBIOTIX	
(00) Assignment	(11) EP3236934	
(71) VMware LLC	(00) 05.02.2025	
(73) VMware LLC	(51) A61K 9/00	
(11) EP4164196	A61K 51/12	
(00) 06.02.2025	A61K 47/50	
(51) H04L 45/00	A61K 9/127	
(00) Merge	A61K 41/00	
(71) TOBII TECHNOLOGIES LIMITED	A61K 31/704	
(73) TOBII TECHNOLOGIES LIMITED	A61K 47/69	
(11) EP3905116	A61P 35/00	
(00) 31.01.2025	(00) Assignment	
(51) G06V 10/44	(71) Cygnus Technologies, LLC	
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(00) Change of owner(s) name	(11) EP3250696	
(71) Hercules Project Company LLC	(00) 03.02.2025	
(73) Hercules Project Company LLC	(51) C12N 15/867	
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(51) F28D 7/02	(71) VMware LLC	
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F28F 27/02	(11) EP3700144	
F28D 21/00	(00) 06.02.2025	
F25J 1/02	(51) H04L 45/586	
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(00) Assignment	H04L 45/64	
(71) VMware LLC	H04L 41/5041	
(73) VMware LLC	H04L 41/50	
(11) EP3433995	H04L 45/28	

TVH

Topografieën van halfgeleiderproducten.

Depots of topographies of semi-conductor products.

UP1

Europese octrooien met geregistreerde eenheidswerking. European patents with registered Unitary Effect.

(11) EP4197571	(11) EP3264793	(11) EP3695235
(11) EP3710487	(11) EP3512697	(11) EP3610704
(11) EP3342958	(11) EP3509574	(11) EP3720873
(11) EP3593651	(11) EP3509724	(11) EP3864897
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(11) EP4125999	(11) EP3342431	(11) EP3820592
(11) EP4158158	(11) EP4236741	(11) EP3833540
(11) EP4175581	(11) EP4231971	(11) EP3908398
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(11) EP4200042	(11) EP3877174	(11) EP3868709
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UP2

Europese octrooien met geregistreerd verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie).

European patents with registered request ex Article 52a NL Patent Law 1995 (restoration of validation right).

UP3

Europese octrooien met een geaccepteerd verzoek ex. artikel 52a Rijsoctrooiwet 1995 (herstel recht op validatie) en complete validatie.

European patents with accepted ex Article 52a NL Patent Law 1995 (restoration of validation right) and validation completed.

UP4

Europese octrooien met een geaccepteerd verzoek ex. artikel 52a Rijsoctrooiwet 1995 (herstel recht op validatie) en geen complete validatie.

European patents with accepted request ex Article 52a NL Patent Law 1995 (restoration of validation right) and incomplete validation.

UP5

Europese octrooien met een afgewezen verzoek ex. artikel 52a Rijsoctrooiwet 1995 (herstel recht op validatie).

European patents with rejected request ex Article 52a NL Patent Law 1995 (restoration of validation right).

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Europese octrooien met een ingetrokken verzoek ex. artikel 52a Rijksoctrooiwet 1995 (herstel recht op validatie).

European patents with withdrawn request ex Article 52a NL Patent Law 1995 (restoration of validation right).

Orde van Octrooigemachtigden / Netherlands Institute of Patent Attorneys

**Inschrijvingen en uitschrijvingen ex art. 27 lid 5 Uitvoeringsbesluit van de Rijksoctrooiwet 1995.
Registrations and deregistrations ex Article 27 par. 5 Patent Rules of the NL Patent Law 1995.**