



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.

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**Introduction****Patent Bulletin**

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

**Visiting address: Netherlands Patent Office**

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

## Rubrieken/Headings

### NP1

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(21) 2037903	Paul Guy van Houtum	(71) Zhejiang Wanli University
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(74) ir. H.Th. van den Heuvel c.s.	(22) 13.10.2023	Hua Yang
(72) Jonas Neels	(54) Egg processing system and method	Xinyi Wang
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United States of America	A01M 23/18	(71) Tiesnitsch Beheer B.V.
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HIPPEASTRUM VITTATUM (L'HÉR.)	Lodewijk Stephanus Margaretha Joseph	(71) Hunan University of Information
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(74) ir. G.J.M. Verhees	(41) 06.05.2025	(72) Lingzhi Chen
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(71) Beijing Academy of Agriculture and Forestry Sciences  
(74) dr. T. Wittop Koning PhD  
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(71) o3biotech Ltd  
(74) drs. A.A. Jilderda  
(72) Paul Justin Draper  
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- (54) MOLECULES FOR REVERSING ANTI-COAGULANT ACTIVITY OF DIRECT ORAL ANTICOAGULANTS  
(71) Synapse Research Institute  
(74) ir. J.P.E. Brants  
(72) Henricus Bastiaan de Laat  
Mark Roest  
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(54) Interactive game apparatus  
(71) SCHEEPSSERVICE  
INSTALLATIETECHNIEK J. DE JONG B.V.  
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(54) POWER-OFF LUBRICATION PROTECTION CONTROL SYSTEM FOR CRUSHER ROTOR AND CONTROL METHOD THEREOF  
(71) HUBEI LIDI MACHINE TOOL CO.,LTD.  
(74) ir. R. Wijnstra  
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(71) Micronit Holding B.V.  
(74) dr. ir. G.J.C. Verdijck c.s.  
(72) Johannes Oonk  
Mathijs Christian Bosman  
Rolf Vermeer  
Marko Theodoor Blom
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(21) 2037840	B29C 65/00	(33) China
(22) 31.05.2024	F16B 5/00	(51) B60N 2/16
(54) T-SHAPED THREE-WAY PIPE	(21) 2036107	B60N 2/07
JOINT WITH HIGH STRENGTH AND	(22) 24.10.2023	(21) 2036106
PLASTICITY AND MANUFACTURING	(54) Geprefabriceerd bouwelement en	(22) 24.10.2023
METHOD THEREFOR	werkwijze voor het vervaardigen daarvan	(54) Adjustable truck chair assembly
(71) HUNAN AUTOMOTIVE ENGINEERING	(71) IsoBouw Systems B.V.	(71) DAF Trucks N.V.
VOCATIONAL COLLEGE	(74) ir. A. Blokland c.s.	(74) ir. B.Ch. Ledebouer c.s
(74) ir. F.A. Geurts c.s.	(72) Rens Theodorus van de Kruijs	(72) Arnoldus Johannes Ignatius Maria
(72) Guifu Dong	Petrus Frederikus Maria Rensen	Roijackers
Ying Wang	(51) B29C 48/00	Stuart William Purdy
Yanjin Shen	B32B 27/20	(51) B60P 7/08
Hongbin Yan	B32B 27/32	A44B 11/04
(31) 202311331227.X	E04F 15/10	(21) 2036080
(32) 16.10.2023	(21) 2036078	(22) 20.10.2023
(33) China	(22) 19.10.2023	(54) METHOD AND DEVICE FOR LASHING
(51) B23P 19/08	(54) A decorative panel, process and	(71) Cordstrap B.V.
B23P 19/00	extrusion line for producing said panel	(74) ir. J.P.E. Brants
(21) 2036077	(71) CFL HOLDING LIMITED	(72) Robin Cornelissen
(22) 19.10.2023	(74) ir. H.Th. van den Heuvel c.s.	Petrus Henri van Berlo
(54) Assembly and method for mounting a	(72) Tom van Poyer	Martinus Johannes Arnoldus Kusters
seal of a pipe coupling	Thomas Luc Martine Baert	(41) 06.05.2025
(71) Dyka B.V.	Sven Boon	(51) B63B 27/14
(74) ir. F.A. Geurts c.s.	(41) 06.05.2025	B63B 17/00
(72) Peter Kingma	(51) B32B 5/18	(21) 2036064
Arnold Dijkstra	B32B 38/00	(22) 17.10.2023
(51) B23P 19/08	E04C 2/24	(54) VESSEL WITH RAIL ASSEMBLY FOR
B23P 19/00	B32B 37/00	EXCHANGEABLE FUEL CONTAINER
(21) 2036076	(21) 1044720	(71) Propelwind S.A.S
(22) 19.10.2023	(22) 23.10.2023	(74) ir. J.C. Volmer c.s.
(54) Assembly and method for mounting a	(54) Werkwijze voor het produceren van	(72) Patrick Englebert
seal of a pipe coupling	een bouwkundige wand- of dakplaat	(41) 01.05.2025
(71) Dyka B.V.	met rigide kunststofschuim tussen	(51) B64D 45/00
(74) ir. F.A. Geurts c.s.	beschermpaten van bijvoorbeeld	G06Q 5/040
(72) Arnold Dijkstra	glasvezelversterkt polyester.	G07C 5/08
Gerard Oosterhof	(71) RcPanels BV	G06Q 10/0639
Peter Kingma	(74) ir. A. Blokland c.s.	(21) 2036093
(41) 06.05.2025	(72) S. BakkerAalders	(22) 23.10.2023
(51) B25J 9/00	C. Klein	(54) SYSTEM AND METHOD FOR
C04B 35/65	D. Schotpoort	EVALUATING WHETHER ONE OR
F27D 1/18	(41) 06.05.2025	MORE ACTIONS WERE CARRIED OUT
C10B 25/02	(51) B42D 15/02	DURING AN EVENT
C10B 29/06	B42D 15/04	(71) Signol Limited
F27D 1/16	(21) 1044721	(74) ir. H.C.C. Dekker
(21) 2036034	(22) 23.10.2023	(72) Julian Vidal Catic
(22) 13.10.2023	(54) GREETING CARD WITH PULLTAB	Divya Sukumar
(54) Ceramic welding process and a robot	ACTIVATION	Joseph Jay Ramsay
for executing such a ceramic welding	(71) Triggered Emotions Patents B.V.	Geronimo Perez Salas
process	(72) Franciscus August Aaron Driessen	(51) B65B 61/02
(71) HeatTeQ Refractories Services B.V.	(41) 06.05.2025	B65B 11/06
(74) mr. ir. J. van Breda c.s.	(51) B60H 1/00	B65B 57/16
(72) Matthieu Maurice Valere Ghislain Leheut	B60H 1/14	B43M 3/00
Johannes Petrus Soonius	B60H 1/32	B65B 9/073
(41) 30.04.2025	F25B 41/00	B65B 59/02
(51) B25J 9/16	(21) 2040012	B65B 25/14
(21) 2036065	(22) 20.03.2025	(21) 2036021
(22) 17.10.2023	(54) INTEGRATED HEAT PUMP AIR-	(22) 12.10.2023
(54) METHOD AND DEVICE FOR	CONDITIONING SYSTEM FOR R290	(54) Packaging products in envelopes
AUTOMATED PACKING	VEHICLE AND CONTROL METHOD	(71) Buhrs Packaging Solutions B.V.
(71) R-Solution Medical B.V.	THEREFOR	(74) ir. B.Ch. Ledebouer c.s
(74) ir. H.Th. van den Heuvel c.s.	(71) Jiangxi Xindian Automotive Air	(72) Franciscus Maria Mous
(72) Niels Paul Emerentiana Welling	Conditioning System Co., Ltd	(51) B65D 5/36
Mariska Sabine van der Vliet	(74) ir. G.J.M. Verhees	B65D 5/18
Stephanus de Bruijn	(72) Zhirong Zeng	(21) 1044712
(41) 01.05.2025	Jiong Huang	(22) 16.10.2023
(51) B29C 44/12	Wenhong Wei	(54) Opvouwbare blokvormige doos
	(31) 2025101929437	

(71) Click-Pax B.V.	B66C 17/00	(41) 30.04.2025
(72) Maan Roos Moeskops Steeff van Schie	B66C 19/00	(51) C02F 1/28
(41) 30.04.2025	(21) 2036087	C02F 3/30
(51) B65D 81/03	(22) 20.10.2023	(21) 2036040
B65D 65/08	(54) Vessel for upending and/or installing of a foundation pile	(22) 13.10.2023
B65D 30/00	(71) Itrec B.V.	(54) METHOD FOR TREATING URBAN NITROGEN NON-POINT SOURCE
B65D 30/08	(74) ir. J.C. Volmer c.s.	(71) Chinese Research Academy of Environmental Sciences
B65D 65/46	(72) Adrianus van der Linde	(74) ir. M.B. Plaggenborg
(21) 2036168	(41) 06.05.2025	(72) Yizhe Wang
(22) 01.11.2023	(51) B66C 23/53	Zhao Li
(54) REUSABLE TRANSPORT ENCLOSURE COMPRISING A MONO-MATERIAL LAMINATE	B66C 23/76	Zhouyong Liao
(71) Wit International B.V.	E02D 13/04	Xiaoshu Wei
(74) P.J. Pollard B.Eng	E02D 27/42	Peifang Leng
(72) Marnix van Gulp	E02D 27/52	Caole Li
(41) 06.05.2025	E02D 35/00	Qiuying Zhang
(31) 23205057.5	(21) 2036024	Fan Wang
(32) 20.10.2023	(22) 13.10.2023	Shanbao Liu
(33) European Patent Office (EPO)	(54) OFFSHORE PILE DRIVING	Hongjie Gao
(51) B65D 85/07	(71) Itrec B.V.	(41) 30.04.2025
A61F 13/551	(74) ir. J.C. Volmer c.s.	(51) C02F 3/00
(21) 2036066	(72) Hendrikus Jacobus Weterings	C02F 3/32
(22) 18.10.2023	(51) B67D 1/04	(21) 2036039
(54) ABSORBENT ARTICLE PACK WITH HOLDING BAND & METHOD FOR PACKING ABSORBENT ARTICLES	B67D 1/12	(22) 13.10.2023
(71) Drylock Technologies N.V.	(21) 2038875	(54) METHOD FOR REDUCING POLLUTION AND CARBON OF POLLUTED WATER BODY
(74) dr. ir. G.J.C. Verdijk c.s.	(22) 21.10.2024	(71) Chinese Research Academy of Environmental Sciences
(72) Tom Derycke	(54) WINE DISPENSING SYSTEM	(74) ir. M.B. Plaggenborg
Xavier Speeleveld	(71) Vins Ripoll, S.L.	(72) Yunfeng Qiao
(41) 02.05.2025	(74) ir. A. Blokland c.s.	Caole Li
(51) B65G 69/00	(72) Jaime Ripoll Nicolau	Hongjie Gao
B62B 5/04	(31) 202331870	Shujun Wang
B65H 1/00	(32) 20.10.2023	Yizhe Wang
B29D 30/00	(33) Spain	Yujun Zhang
(21) 2036075	(51) C01B 3/32	Xiaoshu Wei
(22) 19.10.2023	(21) 2036030	Qiuying Zhang
(54) Docking station and method for receiving a carriage, and tire building assembly comprising the docking station	(22) 13.10.2023	Fan Wang
(71) VMI Holland B.V.	(54) HYDROGEN GAS PRODUCTION SYSTEM AND METHOD	Shanbao Liu
(74) ir. F.A. Geurts c.s.	(71) DENS B.V.	(41) 30.04.2025
(72) Hemmeterius Bernardus Broek	(74) dr. ir. G.J.C. Verdijk c.s.	(51) C04B 18/24
Hendrik Jan Grolleman	(72) Luc Marinus Djozin-Kemadjou	C04B 18/10
René Dijkstra	Yoshi Johannes Henricus Jacobus de Laat	C04B 7/28
(51) B66C 13/16	Max Johannes Robertus Aerts	(21) 2036012
B66C 13/18	Martinus Arnoldus Petrus Maria Swinkels	(22) 12.10.2023
(21) 2037686	(41) 30.04.2025	(54) Cementitious paste and concrete with bottom ash and natural fibers
(22) 14.05.2024	(51) C01G 53/00	(71) Technische Universiteit Eindhoven
(54) INTELLIGENT MONITORING METHOD AND SYSTEM FOR CRANE VIBRATION	H01M 4/04	(74) ir. A. Blokland c.s.
(71) GEELY UNIVERSITY OF CHINA	H01M 4/1391	(72) Tao Liu
Sinohydro Jiajiang Hydraulic Machinery Company Limited	H01M 4/36	Helong Song
Sichuan Police College	H01M 4/505	Florent Gauvin
(74) dr. T. Wittop Koning PhD	H01M 4/485	Jos Brouwers
(72) Quanxing Liu	H01M 4/525	(41) 30.04.2025
Feng Guo	H01M 4/62	(51) C04B 28/18
Yun Liu	(21) 2036045	(21) 2036054
(41) 06.05.2025	(22) 15.10.2023	(22) 16.10.2023
(51) B66C 23/52	(54) HIGH-ENTROPY LAYERED OXIDE CATHODE MATERIAL FOR SODIUM- ION BATTERY, PREPARATION METHOD AND USE	(54) METHOD OF MANUFACTURING CALCIUM SILICATE BUILDING BLOCKS
E02D 7/02	(71) Northeastern University at Qinhuangdao	(71) Calduran Kalkzandsteen B.V.
E02D 27/42	(74) ir. M.B. Plaggenborg	(74) ir. J.C. Volmer c.s.
E02D 27/52	(72) Tingfeng Yi	(72) Catharina van Ark
E02D 35/00	Yushen Zhao	Roelof Tromp
	Pengfei Wang	Frans Temmermans
	Yanrong Zhu	
	Ying Li	

(41) 30.04.2025	Nan Ji	(74) dr. A. Krebs
(51) C07C 51/47	Huwei Cui	(72) John Wilfred Nico van de Wetering
C07C 217/24	Xuhan Yu	(31) 2036081
(21) 2036098	Xu Wei	(32) 20.10.2023
(22) 23.10.2023	Kui Yu	(33) Netherlands
(54) PILLARARENE AND USE OF SAID PILLARARENE TO REMOVE PERFLUORINATED ACID FROM AN AQUEOUS STREAM	Xianqing Liu	(51) E04C 2/24
(71) Stichting Wetsus, European Centre of Excellence for Sustainable Water Technology	Liang Tang	B32B 5/18
(74) dr. ir. G.J.C. Verdijck c.s.	Yongsheng Yao	E04C 2/38
(72) Johannes Teunis Zuilhof	Linfeng Wang	(21) 1044719
Tu-Nan Gao	Aobo Ren	(22) 23.10.2023
Fedor Miloserdov	Hongming Wang	(54) Bouwkundige sandwichplaat met kernlaag van kunststofschuimmateriaal en voorzien van beschermlagen
(41) 06.05.2025	Bingli Peng	(71) RcPanels BV
(51) C12N 15/29	Zhenkai Li	(72) Daniel Schotpoort
C12N 15/54	Dan Jiang	Ing. Stein Bakker
C12Q 1/6895	Peng Wan	(41) 06.05.2025
A01H 6/46	Dan Zhang	(51) E04F 13/10
A01H 5/10	(51) E02D 27/52	E04F 19/06
C12N 9/12	B66C 23/52	E04F 13/08
(21) 2039923	E02D 13/04	(21) 2036017
(22) 05.03.2025	E02D 35/00	(22) 12.10.2023
(54) APPLICATION OF A MAIZE EAR LENGTH AND KERNEL ROW NUMBER REGULATORY GENE ZMEK1 AND ITS ENCODED PROTEIN	E02D 27/42	(54) Metal corner profile for a wall cladding system
(71) Henan Agricultural University	E02D 7/02	(71) Paulussen Houthandel B.V.
(74) C. Dernelle	(21) 2036032	(74) ir. B.Ch. Ledebouer c.s
(72) Jihua Tang	(22) 13.10.2023	(72) Steven Jozef Maria Paulussen
Xiaoyang Chen	(54) FOUNDATION PILE INSTALLATION VESSEL	(51) E04F 15/18
Dong Ding	(71) Itrec B.V.	E04F 13/08
Shujun Meng	(74) ir. J.C. Volmer c.s.	B32B 3/12
(31) 2024110578647	(72) Hendrikus Jacobus Weterings	B32B 3/28
(32) 02.08.2024	(51) E02D 33/00	B32B 3/30
(33) China	(21) 2036852	(21) 2036085
(51) E01B 29/28	(22) 22.01.2024	(22) 20.10.2023
(21) 2036109	(54) RAPID TEST DEVICE FOR PILE FOUNDATION	(54) Decorative panel
(22) 24.10.2023	(71) Hainan University	(71) CFL HOLDING LIMITED
(54) SPOORWERK MET BEHULP VAN EEN ROBOTARM EN CARDANAS	(74) ir. F.A. Geurts c.s.	(74) ir. H.Th. van den Heuvel c.s.
(71) Strukton Rail Nederland B.V.	(72) Ruijie Pan	(72) Tom van Poyer
(74) ir. J.H.W. Assendelft	Yongwei Wang	Thomas Luc Martine Baert
(72) Otto Oostrom	(41) 06.05.2025	Sven Boon
(41) 06.05.2025	(31) 2023113690076	(51) E06B 9/04
(51) E01B 29/32	(32) 20.10.2023	E06B 7/082
(21) 2036108	(33) China	(21) 2036056
(22) 24.10.2023	(51) E04B 1/98	(22) 16.10.2023
(54) SPOORWERK MET BEHULP VAN TWEE OF DRIE ROBOTARMEN	E04H 9/02	(54) SHADING PANEL
(71) Strukton Rail Nederland bv	(21) 2039245	(71) Gumax B.V.
(74) ir. J.H.W. Assendelft	(22) 04.12.2024	(74) dr. ir. G.J.C. Verdijck c.s.
(72) Sven Elst	(54) A Viscous Damping Module Element with Variable Damping and Self-resetting Characteristics	(72) Leonardus Petrus Albertus Coolen
(41) 06.05.2025	(71) Southeast University	Sjors Raoul Welter
(51) E01D 19/00	(74) ir. W.J.J.M. Kempes	(41) 30.04.2025
F16F 15/04	(72) Hengyuan Zhang	(51) E21B 43/00
E02B 3/26	Guoliang Zhi	(21) 2038846
(21) 2035326	Tong Guo	(22) 16.10.2024
(22) 10.07.2023	Gang Xu	(54) EXPANDABLE LINER HANGER ASSEMBLY HAVING ANCHOR KEY IN DOVETAIL GROOVE ON HANGER BODY
(54) TRANSVERSE SHIP COLLISION PREVENTION DEVICE FOR PROTECTING MAIN BEAM OF BRIDGE	Shiyuan Wang	(71) Halliburton Energy Services, Inc.
(71) Chongqing Jiaotong University	Aiqun Li	(74) dr. ir. F.M. van Bouwelen
(74) ir. W.J.J.M. Kempes	(31) 202410347929.5	(72) Yian Zhao
(72) Xiaoyue Yang	(32) 26.03.2024	Stephen Ross Maddux
	(33) China	Xiaoguang Allan Zhong
	(51) E04B 2/00	Muhammad Nur Adli Juhari
	E03B 1/04	Daniel Craig Newton
	A01G 9/02	(31) 63/591,367
	A01G 27/06	18/913,576
	(21) 2038878	(32) 18.10.2023
	(22) 21.10.2024	
	(54) MODULAR GREEN WALL SYSTEM	
	(71) Blue Innovations B.V.	

11.10.2024	G01Q 20/00	(71) Research Institute for Environmental Innovation (Binhai, Tianjin)
(33) United States of America	G01D 1/00	Innovation (Binhai, Tianjin)
United States of America	(21) 2036097	Tianjin University
(51) F03D 17/00	(22) 23.10.2023	(74) ir. M.B. Plaggenborg
(21) 2036074	(54) Encoder scale for an encoder system, encoder system, manufacturing method	(72) Yizhang Zhang
(22) 19.10.2023	for an encoder system, as well as scanning probe microscopy device.	Xu Li
(54) Installation method and system for monitoring structural response of wind turbine blades	(71) Nearfield Instruments B.V.	Junhong Ling
(71) Tarucca Technology B.V.	(74) ir. B.Ch. Ledebøer c.s	(51) G01N 21/29
(74) ir. A. Blokland c.s.	(72) Ioan-Andrei Toacsen	B01D 53/02
(72) Jesse Antoine van Kempen	Franciscus Gerardus Petrus van der Knaap	(21) 2036063
(41) 02.05.2025	Johan Gregorius Vogel	(22) 17.10.2023
(51) F16B 12/26	Irene Battisti	(54) QUALITY CONTROL METHOD FOR CO2 CAPTURE MATERIAL
F16B 13/02	(51) G01F 1/667	(71) Skytree B.V.
F16B 13/08	(21) 2036070	(74) dr. A. Krebs
(21) 2036019	(22) 19.10.2023	(72) Tilen Sišel
(22) 12.10.2023	(54) ULTRASONIC GAS FLOW METER	Saskia Wunderink
(54) Fastener and kit of parts comprising such fastener	(71) Liaoning SC Technology Co., Ltd.	Giorgio Runcio
(71) SW International B.V.	(74) ir. W.J.J.M. Kempes	Guus Delen
(74) ir. B.Ch. Ledebøer c.s	(72) Huaicheng Han	(41) 01.05.2025
(72) Johannes Josephus Hendrikus Seelen Bartholomeus Maria Wiegant	Chuanbao Sun	(51) G01N 29/02
(51) F24C 7/00	Zhiyuan Zhou	G01N 15/1434
(21) 2036083	Fu Zheng	G01N 29/036
(22) 20.10.2023	Hui Yu	C12Q 1/02
(54) Artificial fireplace	Jiechao Chen	G01N 33/543
(71) Kal-Fire Beheer B.V.	(41) 06.05.2025	(21) 2036088
(74) ir. J.C. Volmer c.s.	(51) G01F 15/14	(22) 20.10.2023
(72) Beyko Martijn Eli van Melick	G01F 15/00	(54) APPARATUS AND METHODS FOR SIMULTANEOUS READOUT OF NANOMOTION ON SUSPENDED SHEETS WITH ADHERED MICRO- AND NANOORGANISMS
(41) 06.05.2025	G01F 15/18	(71) SoundCell IP B.V.
(51) F24H 15/172	G01F 1/66	(74) drs. P.A. van Essen c.s.
F24H 15/296	(21) 2036071	(72) Farbod Alijani
F24H 15/254	(22) 19.10.2023	Aleksandre Japaridze
F24H 15/464	(54) INTEGRATED ULTRASONIC GAS DUCT	Peter Gerard Steeneken
F24H 15/176	(71) Liaoning SC Technology Co., Ltd.	Ireneusz Eugeniusz Roslon
F24H 15/148	(74) ir. W.J.J.M. Kempes	(51) G01N 29/14
F24D 19/10	(72) Jiongzhang Lin	A01C 1/02
(21) 2036293	Zhen Tian	G01H 9/00
(22) 17.11.2023	Chuanbao Sun	G01N 29/24
(54) A novel method for centralized heating and cooling	Minghui Xu	(21) 1044716
(71) Aihao Te (Zhejiang) Technology Co.,Ltd	Tengfei Diao	(22) 18.10.2023
(74) ir. W.J.J.M. Kempes	Wanpeng Ma	(54) Method and system for monitoring discrete acoustic events, in particular seed germination
(72) Heliao Xu	Mingxia Yuan	(71) PhotonFirst IP B.V.
Zhaoliang Xu	Lei Diao	(74) ir. A. Blokland c.s.
(41) 30.04.2025	(41) 06.05.2025	(72) Gideon Langedijk
(31) 2023113297195	(51) G01M 11/08	Michael Benjamin Haverdings
(32) 16.10.2023	G01L 7/08	(41) 02.05.2025
(33) China	G01D 5/353	(51) G01N 33/24
(51) G01B 11/10	G01L 9/00	E02D 1/02
B24B 49/00	(21) 2036028	(21) 2036053
G01B 11/04	(22) 13.10.2023	(22) 16.10.2023
B23Q 17/00	(54) An optomechanical pressure-measurement system as well as a method for determining an ambient pressure level using such optomechanical pressure-measurement system.	(54) SOIL MECHANICAL BEHAVIOUR PREDICTION USING MACHINE LEARNING
(21) 1044718	(71) Technische Universiteit Eindhoven	(71) FNV IP B.V.
(22) 20.10.2023	(74) ir. A. Blokland c.s.	(74) R.J. Burnaby Lautier
(54) Meetsysteem voor het meten van de buitendiameter van een roterende schuurborstel	(72) Andrea Fiore	(72) Michael Stals
(71) Timesavers International	Arthur Louis Hendriks	Klaas Siderius
(72) Ing Wouter van der Jagt Bsc	(51) G01N 1/14	(41) 30.04.2025
Remco Warmehoven	(21) 2036102	(51) G01S 13/88
Ing Marc Janse Bsc	(22) 23.10.2023	G01S 13/68
Rob Keurhorst	(54) WATER SAMPLE COLLECTION APPARATUS FOR SHALLOW WATER	(21) 2038829
(41) 06.05.2025		
(51) G01D 5/347		

(22) 14.10.2024	SYSTEM FOR ANCIENT BOOKS OF	17.10.2023
(54) SUBARRAY ANGLE OF ARRIVAL	TRADITIONAL CHINESE MEDICINE	(33) United States of America
PROCESSING FOR NEAR FIELD	(71) INSTITUTE OF CHINESE MATERIA	United States of America
EFFECTS REDUCTION	MEDICA CHINA ACADEMY OF	(51) G16C 20/00
(71) MOBILEYE VISION TECHNOLOGIES	CHINESE MEDICAL SCIENCES	(21) 2039919
LTD.	INSTITUTE OF INFORMATION ON	(22) 05.03.2025
(74) dr. A. Krebs	TRADITIONAL CHINESE MEDICINE	(54) CHEMICAL DATABASE INFORMATION
(72) Alon Cohen	CHINA ACADEMY OF CHINESE	MANAGEMENT SYSTEM AND
Lidor Dahan	MEDICAL SCIENCES	CONSTRUCTION METHOD
Ilia Yoffe	(74) ir. M.B. Plaggenborg	(71) Yan'an University
(31) US 63/590,661	(72) Weina Zhang	(74) C. Dernelle
(32) 16.10.2023	Bing Li	(72) Xiaoxia Chen
(33) United States of America	Huamin Zhang	Jiaxin Hu
(51) G01V 1/30	Sihong Liu	Zhiwei Guo
G01V 1/28	Bin Li	(51) H01L 23/367
(21) 2036055	Shasha Li	H01L 23/373
(22) 16.10.2023	Youjuan Hou	H01L 23/36
(54) Tomographic inversion by means of a	Yan Dong	(21) 2036061
Gaussian Bayesian prior with a location	(51) G06F 21/62	(22) 17.10.2023
dependent standard deviation	(21) 2037383	(54) POWER AMPLIFIER MODULE WITH
(71) FNV IP B.V.	(22) 02.04.2024	TAPERED HEAT SPREADER
(74) R.J. Burnaby Lautier	(54) Multi-level Menu Permission Control	(71) Ampleon Netherlands B.V.
(72) Myrna Staring	Method, System and Apparatus, and	(74) dr. ir. G.J.C. Verdijck c.s.
Teus Boudewijn van Dam	Readable Storage Medium	(72) Dmytro Wolodymyrowytsj Lialiu
(41) 30.04.2025	(71) Zhejiang Cangnan Instrument Group Co.,	Christian Maria Weinschenk
(51) G02B 6/132	Ltd.	(41) 01.05.2025
G02F 1/035	(74) drs. P.A. van Essen c.s.	(51) H01M 10/617
G02F 1/01	(72) Ming Huang	H01M 10/613
(21) 2036062	Qinxian Huang	H01M 10/6556
(22) 17.10.2023	Changjing Huang	H01M 10/6567
(54) Photonic circuit and method of	Weiwei Wang	(21) 2037595
manufacturing thereof	Xin Chen	(22) 01.05.2024
(71) Rapid Photonics B.V.	Chun Han	(54) LIQUID COOLING PLATE AND
(74) ir. G.P. den Braber	Zhongyang Li	BATTERY PACK
(72) Bob van Someren	(31) CN2023113932624	(71) Jinko Energy Storage Technology Co.,
Hamed Nikbakht	(32) 24.10.2023	Ltd.
(51) G06F 16/25	(33) China	(74) ir. A. Blokland c.s.
G06F 40/166	(51) G07C 9/00	(72) Shaorong Ge
G06F 40/137	H04M 1/02	Yadong Liang
(21) 2036048	H04M 11/02	Guochao Chen
(22) 15.10.2023	H04N 7/18	(31) 202311393256.9
(54) SUBJECT PARAGRAPH SEGMENTING	H04Q 5/24	202311397072.X
AND ATTRIBUTE INDEXING	G06Q 10/083	(32) 25.10.2023
SYSTEM FOR ANCIENT BOOKS OF	(21) 1044724	25.10.2023
TRADITIONAL CHINESE MEDICINE	(22) 24.10.2023	(33) China
(71) INSTITUTE OF INFORMATION ON	(54) METHOD AND SYSTEM FOR	China
TRADITIONAL CHINESE MEDICINE	MANAGING TRAFFIC AT AN	(51) H02J 3/36
CHINA ACADEMY OF CHINESE	ENTRANCE	H02J 3/16
MEDICAL SCIENCES	(71) Zipp Labs B.V.	(21) 2036105
INSTITUTE OF CHINESE MATERIA	(74) ir. B.Ch. Ledebøer c.s.	(22) 24.10.2023
MEDICA CHINA ACADEMY OF	(72) A. Langerak-Dargel	(54) A Voltage Source Converter, VSC, of a
CHINESE MEDICAL SCIENCES	(41) 06.05.2025	VSC-High Voltage Direct Current, HVDC,
(74) ir. M.B. Plaggenborg	(51) G08B 21/18	network as well as a corresponding
(72) Huamin Zhang	H04R 1/10	method.
Shasha Li	(21) 2038841	(71) Technische Universiteit Eindhoven
Weina Zhang	(22) 15.10.2024	(74) ir. A. Blokland c.s.
Yan Dong	(54) INTER-DEVICE NOISE ALERTS FOR	(72) Zheran Zeng
Sihong Liu	ELECTRONIC DEVICES	Dongsheng Yang
Bin Li	(71) Apple Inc.	(41) 06.05.2025
Youjuan Hou	(74) ir. A.R. Aalbers	(51) H02K 1/27
Bing Li	(72) Michael Giles	H02K 1/02
(51) G06F 18/23	Lucas O. Winstrom	H02K 15/03
G16H 50/70	David M. Fischer	(21) 2036096
G06F 40/289	Sriram Hariharan	(22) 23.10.2023
(21) 2036047	Michael Tanne	(54) LAYERED ROTOR STRUCTURE FOR
(22) 15.10.2023	(31) 18/807,877	PERMANENT MAGNET MOTOR
(54) DISTRIBUTED-COMPUTING-BASED	63/544,613	(71) Shenyang University of Technology
BIG DATA MINING AND ANALYZING	(32) 16.08.2024	

Beihang University	BEIHANG UNIVERSITY
(74) ir. M.B. Plaggenborg	(74) ir. M.B. Plaggenborg
(72) Jinyu Yao	(72) Wuhen Jin
Siyang Yu	Fengge Zhang
Fengge Zhang	Siyang Yu
Huijun Wang	Hao Wang
Shi Jin	Shi Jin
Guangwei Liu	Huijun Wang
(51) H02K 1/27	(41) 30.04.2025
H02K 1/28	(51) H04B 1/02
H02K 15/03	H04B 1/00
(21) 2036094	H04B 1/04
(22) 23.10.2023	(21) 2036038
(54) HYBRID EXCITATION ROTOR WITH MULTI-LAYER STRUCTURE	(22) 13.10.2023
(71) SHANDONG UNIVERSITY	(54) Digitally controlled segmented RF power transmitter
Shenyang University of Technology	(71) Technische Universiteit Delft
(74) ir. M.B. Plaggenborg	(74) dr. R.C. van Duijvenbode c.s.
(72) Zhenning Qi	(72) Dieuwert Peter Nicolaas Mul
Xiaowei Ju	Mohammad Reza Beikmirza
Shi Jin	Leonardus Cornelis Nicolaas de Vreede
Yue Zhang	Robert Jan Bootsman
Guanglong Jia	Tariq Ibrahim
Siyang Yu	Seyed Morteza Alavi
(51) H02K 1/27	(41) 30.04.2025
H02K 1/28	(51) H04L 9/32
H02K 15/03	G06F 21/64
H02K 1/20	G06F 11/07
(21) 2036095	(21) 2035673
(22) 23.10.2023	(22) 24.08.2023
(54) HIGH-SPEED PERMANENT MAGNET MOTOR ROTOR WITH MAGNETOMOTIVE FORCE HAVING SINUSOIDAL DISTRIBUTION RULE	(54) METHOD FOR OPTIMIZING CONSENSUS MECHANISM OF BLOCKCHAIN BASED ON TRUST DEGREE
(71) Shenyang University of Technology	(71) Southwest Forestry University
(74) ir. M.B. Plaggenborg	(74) ir. M.B. Plaggenborg
(72) Xiaowei Ju	(72) Mingming Qin
Hao Wang	Fei Xiong
Guanglong Jia	Zhihong Liang
Zhenyao Xu	Yuxiang Huang
Fengge Zhang	Fei Dai
Guangwei Liu	(51) H04L 9/40
(51) H02K 1/278	G06F 21/55
H02K 1/02	G16Y 40/10
(21) 2036026	H04L 67/12
(22) 13.10.2023	(21) 2036068
(54) COMPOSITE ROTOR SUITABLE FOR HIGH-SPEED PERMANENT MAGNET MOTOR	(22) 19.10.2023
(71) Shenyang University of Technology	(54) COMPUTER-IMPLEMENTED SYSTEM FOR DETECTING ATTACK IN COGNITIVE INTERNET OF THINGS BASED ON MACHINE LEARNING
SHANDONG UNIVERSITY	(71) Wuxi University
(74) ir. M.B. Plaggenborg	(74) ir. W.J.J.M. Kempes
(72) Guanglong Jia	(72) Miao Liu
Sichu Shang	(51) H05K 3/36
Zhenyao Xu	H05K 1/14
Yue Zhang	(21) 2036014
Qian Yue	(22) 12.10.2023
Guangwei Liu	(54) MANUFACTURING OF ELECTRONIC DEVICES USING ELECTRONIC FOIL PIECES
(41) 30.04.2025	(71) TracXon B.V.
(51) H02P 25/03	(74) ir. B.Ch. Ledebøer c.s
H02P 21/22	(72) Ashok Sridhar
H02P 25/22	Cornelis Hermanus Arnoldus Rentrop
(21) 2036043	
(22) 14.10.2023	
(54) CONTROL METHOD OF MAXIMUM TORQUE PER AMPERE FOR DIRECT- DRIVE SYNCHRONOUS MOTOR	
(71) Shenyang University of Technology	

## NP2

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

(51) A01G 9/14 A01G 31/06 B65G 1/04 (11) 2038866 (47) 06.05.2025 (22) 18.10.2024 (54) VERTICAAL GROEISYSTEEM (73) Vegobel bvba (72) Arthur Lauwers (74) ir. J.P.E. Brants (31) BE2023/5873 (32) 20.10.2023 (33) Belgium	(54) Assembly and method for portioning dough (73) Kaak Groep B.V. (72) Franciscus Quirinus Fredrik Verouden Lodewijk Stephanus Margaretha Joseph van der Borg Menco van der Leeden (74) ir. F.A. Geurts c.s.	Hua Yang Xinyi Wang (74) ir. M.B. Plaggenborg
(51) A01G 25/16 A01G 25/06 (11) 2036059 (47) 01.05.2025 (22) 17.10.2023 (54) A device for a sub-irrigation system (73) Broeders Beheer B.V. (72) Antonius Johannes Maria Broeders (74) ir. A. Blokland c.s.	(51) A23K 50/10 A23K 10/30 A23K 20/163 A23K 50/15 A23K 40/20 (11) 2036013 (47) 30.04.2025 (22) 12.10.2023 (54) METHOD AND SYSTEM FOR OBTAINING A PROTEIN CONTAINING COMPOSITION FOR RUMINANT FEED (73) Grassa B.V. (72) Sybrandus Koopmans (74) dr. ir. G.J.C. Verdijck c.s.	(51) A41D 13/005 (11) 2036110 (47) 06.05.2025 (22) 24.10.2023 (54) COOLING GARMENT (73) Tiesnitsch Beheer B.V. (72) Johannes IJsbrand Tiesnitsch (74) dr. T. Hubregtse
(51) A01K 11/00 A01K 29/00 (11) 2036089 (47) 06.05.2025 (22) 20.10.2023 (54) Animal husbandry system (73) Lely Patent N.V. (72) Wikke Nijhof Paulus Jacobus Maria van Adrichem Korstiaan Cornelis Blokland Paul Guy van Houtum Adrianus Cornelis Maria Meeuwesen (74) ir. M.J.F.M. Corten	(51) A23K 50/80 C07K 14/46 C07K 14/595 A23K 20/147 A61P 3/04 (11) 2038330 (47) 06.05.2025 (22) 25.07.2024 (54) CCK PEPTIDE FOR REGULATING THE FEEDING GENE CCK OF MICROPTERUS SALMOIDES AND ITS APPLICATIONS (73) Tongwei Agricultural Development Co., Ltd Freshwater Fisheries Research Center, Chinese Academy of Fishery Sciences	(51) A41G 5/00 (11) 1044710 (47) 30.04.2025 (22) 13.10.2023 (54) Octrooiaanvraag/claim voor een bevestigingsmethode voor hairextentions in de vorm van een Weft/Weave. (73) ELGI-NIUS Education onderdeel van Colors Haircare (72) Ilona Annie Theodora Giizen
(51) A01K 43/08 (11) 2036025 (47) 30.04.2025 (22) 13.10.2023 (54) Egg processing system and method (73) Moba Group B.V. (72) Leonard Paulus Crezee (74) ir. B.Ch. Ledeboer c.s.	(51) A23K 50/80 C07K 14/46 C07K 14/595 A23K 20/147 A61P 3/04 (11) 2038330 (47) 06.05.2025 (22) 25.07.2024 (54) CCK PEPTIDE FOR REGULATING THE FEEDING GENE CCK OF MICROPTERUS SALMOIDES AND ITS APPLICATIONS (73) Tongwei Agricultural Development Co., Ltd Freshwater Fisheries Research Center, Chinese Academy of Fishery Sciences	(51) A61B 3/06 (11) 2038181 (47) 06.05.2025 (22) 09.07.2024 (54) Computergeïmplementeerde methode voor het bepalen van de leesvaardigheid en het effect van kleurfilters op leesprestaties van een persoon (73) Xlens B.V. (72) Koen Klomp Pim van de Wiel (74) ir. G.J.M. Verhees (31) 2035315 (32) 09.07.2023 (33) Netherlands
(51) A01M 25/00 A01M 23/04 A01M 23/18 (11) 1044717 (47) 02.05.2025 (22) 19.10.2023 (54) APPLICATION OF INERT GAS IN PEST CONTROL AND VERMIN KILLING (73) Vermini B.V. (72) Jan Hendrik Jansen Bartholomeus Jacobus Julianus Sparreboom	(74) dr. R.C. van Duijvenbode c.s. (31) 202410924627X (32) 10.07.2024 (33) China	(51) A61B 5/00 (11) 2036328 (47) 06.05.2025 (22) 22.11.2023 (54) A sexual activity data measurement system (73) Xiangya Hospital, Central South University (72) Xinjian Qiu Tao Tang Jiekun Luo (74) ir. W.J.J.M. Kempes (31) 202311348846X (32) 18.10.2023 (33) China
(51) A21C 3/04 A21C 5/04 (11) 2036086 (47) 06.05.2025 (22) 20.10.2023	(51) A23L 3/26 A23L 7/10 A23L 7/196 A23B 9/06 (11) 2036050 (47) 30.04.2025 (22) 15.10.2023 (54) PHYSICAL METHOD FOR ELIMINATING MOLDS IN RICE (73) Zhejiang Wanli University (72) Liuming Yang Cunkuan Shen Yue Liu	(51) A61B 5/113 A61B 5/256 A61B 5/282 A61B 5/00 (11) 1044817 (47) 30.04.2025 (22) 12.02.2024 (54) BIOLOGICAL INFORMATION MEASUREMENT EQUIPMENT WITH MULTI-SENSOR MONITORING DEVICE

AND RESPIRATORY PROBLEM ALARMS	A61L 2/20	DIRECTION BY FOCUSING A LASER BEAM
(73) mediventiv BV	(11) 2036057	(73) Micronit Holding B.V.
(72) Marcus Paulus Cevat	(47) 30.04.2025	(72) Johannes Oonk
(31) 1044714	(22) 16.10.2023	Mathijs Christian Bosman
(32) 16.10.2023	(54) Treatment system and method for sanitizing a granular material	Rolf Vermeer
(33) Netherlands	(73) o3biotech Ltd	Marko Theodoor Blom
(51) A61F 5/455	(72) Paul Justin Draper	(74) dr. ir. G.J.C. Verdijck c.s.
(11) 1044722	Erik Bernardus Wilhelmus Helmink	(51) B23P 19/08
(47) 06.05.2025	(74) drs. A.A. Jilderda	B23P 19/00
(22) 24.10.2023	(51) A61P 7/04	(11) 2036077
(54) Inrichting voor het verbinden van de urineuitgang van een vrouw met een urineafvoerslang.	A61P 39/02	(47) 02.05.2025
(73) Celine Rosanna Cairo	A61K 39/395	(22) 19.10.2023
(72) Celine Rosanna Cairo	G01N 33/50	(54) Assembly and method for mounting a seal of a pipe coupling
(51) A61F 13/49	C07K 16/44	(73) Dyka B.V.
A61F 13/511	(11) 2036011	(72) Peter Kingma
A61L 15/62	(47) 30.04.2025	Arnold Dijkstra
A61F 13/15	(22) 12.10.2023	(74) ir. F.A. Geurts c.s.
(11) 2036067	(54) MOLECULES FOR REVERSING ANTI-COAGULANT ACTIVITY OF DIRECT ORAL ANTICOAGULANTS	(51) B23P 19/08
(47) 02.05.2025	(73) Synapse Research Institute	B23P 19/00
(22) 18.10.2023	(72) Henricus Bastiaan de Laat	(11) 2036076
(54) ABSORBENT ARTICLE	Mark Roest	(47) 06.05.2025
(73) Drylock Technologies N.V.	(74) ir. J.P.E. Brants	(22) 19.10.2023
(72) Werner van Ingelgem	(51) A63B 71/06	(54) Assembly and method for mounting a seal of a pipe coupling
Tom Derycke	A63B 24/00	(73) Dyka B.V.
(74) dr. ir. G.J.C. Verdijck c.s.	A63F 13/90	(72) Arnold Dijkstra
(51) A61K 31/585	A63B 9/00	Gerard Oosterhof
A61P 35/00	A63B 17/00	Peter Kingma
(11) 2038252	A63B 69/00	(74) ir. F.A. Geurts c.s.
(47) 01.05.2025	(11) 2036084	(51) B25J 9/00
(22) 17.07.2024	(47) 02.05.2025	C04B 35/65
(54) Use of hellebrigenin in preparing anti-lung cancer drug	(22) 20.10.2023	F27D 1/18
(73) Central People's Hospital of Zhanjiang	(54) Interactive game apparatus	C10B 25/02
(72) Xin Li	(73) SCHEEPSSERVICE	C10B 29/06
Yanfei Xing	INSTALLATIETECHNIEK J. DE JONG	F27D 1/16
Songyu Li	B.V.	(11) 2036034
Fengri Jin	(72) Dirk Jan de Jong	(47) 30.04.2025
(74) ir. W.J.J.M. Kempes	(74) ir. H.Th. van den Heuvel c.s.	(22) 13.10.2023
(31) 202410854228.0	(51) B02C 4/42	(54) Ceramic welding process and a robot for executing such a ceramic welding process
(32) 28.06.2024	B02C 23/04	(73) HeatTeQ Refractories Services B.V.
(33) China	F16N 7/36	(72) Matthieu Maurice Valere Ghislain Leheut
(51) A61K 31/7048	F16N 7/38	Johannes Petrus Soonius
A61P 39/02	(11) 2037393	(74) mr. ir. J. van Breda c.s.
(11) 2038532	(47) 06.05.2025	(51) B25J 9/16
(47) 06.05.2025	(22) 04.04.2024	(11) 2036065
(22) 30.08.2024	(54) POWER-OFF LUBRICATION PROTECTION CONTROL SYSTEM FOR CRUSHER ROTOR AND CONTROL METHOD THEREOF	(47) 01.05.2025
(54) APPLICATION OF PUERARIN IN PREPARING MEDICINE FOR ALLEVIATING TOXICITY INJURY INDUCED BY DEOXYNIVALENOL	(73) HUBEI LIDI MACHINE TOOL CO.,LTD.	(22) 17.10.2023
(73) Beijing Academy of Agriculture and Forestry Sciences	(72) Sheng Lei	(54) METHOD AND DEVICE FOR AUTOMATED PACKING
(72) Yudan Wang	Peng Qin	(73) R-Solution Medical B.V.
Lin Liu	Gao Lin	(72) Niels Paul Emerentiana Welling
Xinlu Wang	Fei Chen	Mariska Sabine van der Vliet
Meng Wang	(74) ir. R. Wijnstra	Stephanus de Bruijn
(74) dr. T. Wittop Koning PhD	(31) 202311351178.6	(74) ir. H.Th. van den Heuvel c.s.
(31) 202410097796.0	(32) 18.10.2023	(51) B29C 44/12
(32) 24.01.2024	(33) China	E04C 2/20
(33) China	(51) B05B 1/26	B29C 65/00
(51) A61L 2/00	(11) 2036015	F16B 5/00
A23B 9/18	(47) 30.04.2025	(11) 2036107
A23L 3/3409	(22) 12.10.2023	(47) 06.05.2025
A23K 30/00	(54) A METHOD OF MANUFACTURING A NOZZLE ASSEMBLY, COMPRISING WEAKENING A WAFER AT AT LEAST TWO FOCAL ZONES IN THE DEPTH	(22) 24.10.2023
		(54) Geprefabriceerd bouwelement en werkwijze voor het vervaardigen daarvan

(73) IsoBouw Systems B.V.	B63B 17/00	(74) ir. B.Ch. Ledeboer c.s.
(72) Rens Theodorus van de Kruijs Petrus Frederikus Maria Rensen	(11) 2036064 (47) 01.05.2025	(51) B65D 5/36 B65D 5/18
(74) ir. A. Blokland c.s.	(22) 17.10.2023	(11) 1044712
(51) B29C 48/00 B32B 27/20 B32B 27/32 E04F 15/10	(54) VESSEL WITH RAIL ASSEMBLY FOR EXCHANGEABLE FUEL CONTAINER	(47) 30.04.2025 (2) 16.10.2023
(11) 2036078	(73) Propelwind S.A.S	(54) Opvouwbare blokvormige doos
(47) 06.05.2025	(72) Patrick Englebert	(73) Click-Pax B.V.
(22) 19.10.2023	(74) ir. J.C. Volmer c.s.	(72) Maan Roos Moeskops Steef van Schie
(54) A decorative panel, process and extrusion line for producing said panel	(51) B64D 45/00 G06Q 50/40 G07C 5/08 G06Q 10/0639	(51) B65D 81/03 B65D 65/08 B65D 30/00 B65D 30/08 B65D 65/46
(73) CFL HOLDING LIMITED	(11) 2036093	(11) 2036168
(72) Tom van Poyer Thomas Luc Martine Baert Sven Boon	(47) 06.05.2025 (22) 23.10.2023	(47) 06.05.2025
(74) ir. H.Th. van den Heuvel c.s.	(54) SYSTEM AND METHOD FOR EVALUATING WHETHER ONE OR MORE ACTIONS WERE CARRIED OUT DURING AN EVENT	(22) 01.11.2023
(51) B32B 5/18 B32B 38/00 E04C 2/24 B32B 37/00	(73) Signol Limited (72) Julian Vidal Catuc Divya Sukumar Joseph Jay Ramsay Geronimo Perez Salas	(54) REUSABLE TRANSPORT ENCLOSURE COMPRISING A MONO-MATERIAL LAMINATE
(11) 1044720	(74) ir. H.C.C. Dekker	(73) Wit International B.V. (72) Marnix van Gulp (74) P.J. Pollard B.Eng (31) 23205057.5 (32) 20.10.2023 (33) European Patent Office (EPO)
(47) 06.05.2025	(51) B64U 101/45 G05D 1/622 G05D 1/648 G05D 107/20 G05D 109/25	(51) B65D 85/07 A61F 13/551
(22) 23.10.2023	(11) 2036428	(11) 2036066 (47) 02.05.2025 (22) 18.10.2023
(54) Werkwijze voor het produceren van een bouwkundige wand- of dakplaat met rigide kunststofschuim tussen beschermplaten van bijvoorbeeld glasvezelversterkt polyester.	(47) 01.05.2025 (22) 05.12.2023	(54) ABSORBENT ARTICLE PACK WITH HOLDING BAND & METHOD FOR PACKING ABSORBENT ARTICLES
(73) RcPanels BV	(54) SPATIAL REASONING-BASED INTELLIGENT OBSTACLE AVOIDANCE METHOD FOR PLANT PROTECTION DRONE	(73) Drylock Technologies N.V. (72) Tom Derycke Xavier Speeleveld
(72) S. BakkerAalders C. Klein D. Schotpoort	(73) Jilin Agricultural University (72) Li Zhu Yuanhui Chen Jian Li Weilin Yu Weijian Zhang Guowei Wang Ji Qi Nan Lin Yuxuan Feng Wei Wang Haitao Fu Yating Hu	(74) dr. ir. G.J.C. Verdijck c.s.
(74) ir. A. Blokland c.s.	(74) drs. C.M.A. Quintelier	(51) B65G 69/00 B62B 5/04 B65H 1/00 B29D 30/00
(51) B42D 15/02 B42D 15/04	(31) 202310913620.3 (32) 25.07.2023 (33) China	(11) 2036075 (47) 02.05.2025 (22) 19.10.2023
(11) 1044721	(51) B60N 2/16 B60N 2/07	(54) Docking station and method for receiving a carriage, and tire building assembly comprising the docking station
(47) 06.05.2025	(11) 2036106	(73) VMI Holland B.V. (72) Hemmeterius Bernardus Broek Hendrik Jan Grolleman René Dijkstra
(22) 23.10.2023	(47) 06.05.2025	(74) ir. F.A. Geurts c.s.
(54) GREETING CARD WITH PULLTAB ACTIVATION	(22) 24.10.2023	(51) B66C 13/16 B66C 13/18
(73) Triggered Emotions Patents B.V.	(54) Adjustable truck chair assembly	(11) 2036080 (47) 06.05.2025 (22) 14.05.2024
(72) Franciscus August Aaron Driessen	(73) DAF Trucks N.V.	(54) INTELLIGENT MONITORING METHOD AND SYSTEM FOR CRANE VIBRATION
(51) B60N 2/16 B60N 2/07	(72) Arnoldus Johannes Ignatius Maria Roijackers Stuart William Purdy	(73) GEELY UNIVERSITY OF CHINA Sinohydro Jiajiang Hydraulic Machinery Company Limited Sichuan Police College
(11) 2036106	(74) ir. B.Ch. Ledeboer c.s.	(72) Quaxing Liu Feng Guo
(47) 06.05.2025	(51) B60P 7/08 A44B 11/04	
(22) 24.10.2023	(11) 2036080	
(54) METHOD AND DEVICE FOR LASHING	(47) 06.05.2025	
(73) Cordstrap B.V.	(22) 20.10.2023	
(72) Robin Cornelissen Petrus Henri van Berlo Martinus Johannes Arnoldus Kusters	(54) METHOD AND DEVICE FOR LASHING B65B 59/02 B65B 25/14	
(74) ir. J.P.E. Brants	(11) 2036021	
(51) B63B 27/14	(47) 30.04.2025 (22) 12.10.2023	
	(54) Packaging products in envelopes	
	(73) Buhrs Packaging Solutions B.V.	
	(72) Fransiscus Maria Mous	

Yun Liu	(11) 2036040	(47) 06.05.2025
(74) dr. T. Wittop Koning PhD	(47) 30.04.2025	(22) 23.10.2023
(51) B66C 23/52	(22) 13.10.2023	(54) PILLARARENE AND USE OF SAID PILLARARENE TO REMOVE PERFLUORINATED ACID FROM AN AQUEOUS STREAM
E02D 7/02	(54) METHOD FOR TREATING URBAN NITROGEN NON-POINT SOURCE	(73) Stichting Wetsus, European Centre of Excellence for Sustainable Water Technology
E02D 27/42	(73) Chinese Research Academy of Environmental Sciences	(72) Johannes Teunis Zuilhof
E02D 27/52	(72) Yizhe Wang	Tu-Nan Gao
E02D 35/00	Zhao Li	Fedor Miloserdov
B66C 17/00	Zhouyong Liao	(74) dr. ir. G.J.C. Verdijck c.s.
B66C 19/00	Xiaoshu Wei	(51) E01B 29/28
(11) 2036087	Peifang Leng	(11) 2036109
(47) 06.05.2025	Caole Li	(47) 06.05.2025
(22) 20.10.2023	Qiuying Zhang	(22) 24.10.2023
(54) Vessel for upending and/or installing of a foundation pile	Fan Wang	(54) SPOORWERK MET BEHULP VAN EEN ROBOTARM EN CARDANAS
(73) Itrec B.V.	Shanbao Liu	(73) Strukton Rail Nederland B.V.
(72) Adrianus van der Linde	Hongjie Gao	(72) Otto Oostrom
(74) ir. J.C. Volmer c.s.	(74) ir. M.B. Plaggenborg	(74) ir. J.H.W. Assendelft
(51) B66C 23/53	(51) C02F 3/00	(51) E01B 29/32
B66C 23/76	C02F 3/32	(11) 2036108
E02D 13/04	(11) 2036039	(47) 06.05.2025
E02D 27/42	(47) 30.04.2025	(22) 24.10.2023
E02D 27/52	(22) 13.10.2023	(54) SPOORWERK MET BEHULP VAN TWEE OF DRIE ROBOTARMEN
E02D 35/00	(54) METHOD FOR REDUCING POLLUTION AND CARBON OF POLLUTED WATER BODY	(73) Strukton Rail Nederland bv
(11) 2036024	(73) Chinese Research Academy of Environmental Sciences	(72) Sven Elst
(47) 30.04.2025	(72) Yunfeng Qiao	(74) ir. J.H.W. Assendelft
(22) 13.10.2023	Caole Li	(51) E02D 27/52
(54) OFFSHORE PILE DRIVING	Hongjie Gao	B66C 23/52
(73) Itrec B.V.	Shujun Wang	E02D 13/04
(72) Hendrikus Jacobus Weterings	Yizhe Wang	E02D 35/00
(74) ir. J.C. Volmer c.s.	Yujun Zhang	E02D 27/42
(51) C01B 3/32	Xiaoshu Wei	E02D 7/02
(11) 2036030	Qiuying Zhang	(11) 2036032
(47) 30.04.2025	Fan Wang	(47) 30.04.2025
(22) 13.10.2023	Shanbao Liu	(22) 13.10.2023
(54) HYDROGEN GAS PRODUCTION SYSTEM AND METHOD	(74) ir. M.B. Plaggenborg	(54) FOUNDATION PILE INSTALLATION VESSEL
(73) DENS B.V.	(51) C04B 18/24	(73) Itrec B.V.
(72) Luc Marinus Djozin-Kemadjou	C04B 18/10	(72) Hendrikus Jacobus Weterings
Yoshi Johannes Henricus Jacobus de Laat	C04B 7/28	(74) ir. J.C. Volmer c.s.
Max Johannes Robertus Aerts	(11) 2036012	(51) E02D 33/00
Martinus Arnoldus Petrus Maria Swinkels	(47) 30.04.2025	(11) 2036852
(74) dr. ir. G.J.C. Verdijck c.s.	(22) 12.10.2023	(47) 06.05.2025
(51) C01G 53/00	(54) Cementitious paste and concrete with bottom ash and natural fibers	(22) 22.01.2024
H01M 4/04	(73) Technische Universiteit Eindhoven	(54) RAPID TEST DEVICE FOR PILE FOUNDATION
H01M 4/1391	(72) Tao Liu	(73) Hainan University
H01M 4/36	Helong Song	(72) Ruijie Pan
H01M 4/505	Florent Gauvin	Yongwei Wang
H01M 4/485	Jos Brouwers	(74) ir. F.A. Geurts c.s.
H01M 4/525	(74) ir. A. Blokland c.s.	(31) 2023113690076
H01M 4/62	(51) C04B 28/18	(32) 20.10.2023
(11) 2036045	(11) 2036054	(33) China
(47) 30.04.2025	(47) 30.04.2025	(51) E03B 11/04
(22) 15.10.2023	(22) 16.10.2023	E03B 3/02
(54) HIGH-ENTROPY LAYERED OXIDE CATHODE MATERIAL FOR SODIUM-ION BATTERY, PREPARATION METHOD AND USE	(54) METHOD OF MANUFACTURING CALCIUM SILICATE BUILDING BLOCKS	(11) 2038021
(73) Northeastern University at Qinhuangdao	(73) Calduran Kalkzandsteen B.V.	(47) 06.05.2025
(72) Tingfeng Yi	(72) Catharina van Ark	(22) 21.06.2024
Yushen Zhao	Roelof Tromp	(54) Device for reusing rainwater
Pengfei Wang	Frans Temmermans	(73) ECOBETON WATER TECHNOLOGIES NV
Yanrong Zhu	(74) ir. J.C. Volmer c.s.	(72) Luc Vandebek
Ying Li	(51) C07C 51/47	
(74) ir. M.B. Plaggenborg	C07C 217/24	
(51) C02F 1/28	(11) 2036098	
C02F 3/30		

(74) ir. R. Wijnstra	(47) 06.05.2025	B24B 49/00
(31) 2023/0047	(22) 21.06.2023	G01B 11/04
(32) 23.06.2023	(54) QUANTITATIVE REPAIR DECISION	B23Q 17/00
(33) Belgium	METHOD FOR DELAMINATION	(11) 1044718
(51) E04C 2/24	DAMAGE OF SPAR CAP OF WIND	(47) 06.05.2025
B32B 5/18	TURBINE BLADE	(22) 20.10.2023
E04C 2/38	(73) SHENYANG UNIVERSITY OF	(54) Meetsysteem voor het meten van de
(11) 1044719	TECHNOLOGY	buitendiameter van een roterende
(47) 06.05.2025	(72) Hui Li	schuurborstel
(22) 23.10.2023	Bo Zhou	(73) Timesavers International
(54) Bouwkundige sandwichplaat met	Fangai Yu	(72) Ing Wouter van der Jagt Bsc
kerklaag van kunststofschuimmateriaal	Xueyan Zhang	Remco Warmehoven
en voorzien van beschermlagen	Hongbing Bao	Ing Marc Janse Bsc
(73) RcPanels BV	(74) dr. T. Wittop Koning PhD	Rob Keurhorst
(72) Daniel Schotpoort	(31) 202210898212.0	(51) G01D 5/347
Ing. Stein Bakker	(32) 28.07.2022	G01Q 20/00
(51) E04F 13/10	(33) China	G01D 1/00
E04F 19/06	(51) F03D 17/00	(11) 2036097
E04F 13/08	(11) 2036074	(47) 06.05.2025
(11) 2036017	(47) 02.05.2025	(22) 23.10.2023
(47) 30.04.2025	(22) 19.10.2023	(54) Encoder scale for an encoder system,
(22) 12.10.2023	(54) Installation method and system for	encoder system, manufacturing method
(54) Metal corner profile for a wall cladding	monitoring structural response of wind	for an encoder system, as well as
system	turbine blades	scanning probe microscopy device.
(73) Paulussen Houthandel B.V.	(73) Tarucca Technology B.V.	(73) Nearfield Instruments B.V.
(72) Steven Jozef Maria Paulussen	(72) Jesse Antoine van Kempen	(72) Ioan-Andrei Toacsen
(74) ir. B.Ch. Ledebroer c.s.	(74) ir. A. Blokland c.s.	Franciscus Gerardus Petrus van der
(51) E04F 15/18	(51) F16B 12/26	Knaap
E04F 13/08	F16B 13/02	Johan Gregorius Vogel
B32B 3/12	F16B 13/08	Irene Battisti
B32B 3/28	(11) 2036019	(74) ir. B.Ch. Ledebroer c.s.
B32B 3/30	(47) 30.04.2025	(51) G01D 21/02
(11) 2036085	(22) 12.10.2023	(11) 2033605
(47) 06.05.2025	(54) Fastener and kit of parts comprising such	(47) 06.05.2025
(22) 20.10.2023	fastener	(22) 23.11.2022
(54) Decorative panel	(73) SW International B.V.	(54) A CORRUGATED PIPE GROUND
(73) CFL HOLDING LIMITED	(72) Johannes Josephus Hendrikus Seelen	SUBSIDENCE MONITORING AND
(72) Tom van Poyer	Bartholomeus Maria Wiegant	EARLY WARNING SYSTEM AND
Thomas Luc Martine Baert	(74) ir. B.Ch. Ledebroer c.s.	METHOD
Sven Boon	(51) F24C 7/00	(73) HUANENG RENEWABLES
(74) ir. H.Th. van den Heuvel c.s.	(11) 2036083	CORPORATION LIMITED HEBEI
(51) E06B 9/04	(47) 06.05.2025	BRANCH
E06B 7/082	(22) 20.10.2023	(72) Guipeng Li
(11) 2036056	(54) Artificial fireplace	Tao Wu
(47) 30.04.2025	(73) Kal-Fire Beheer B.V.	Huanyu Wu
(22) 16.10.2023	(72) Beyko Martijn Eli van Melick	Qiang Qiao
(54) SHADING PANEL	(74) ir. J.C. Volmer c.s.	Changjiang Zhao
(73) Gumax B.V.	(51) F24H 15/172	Haiyu Zhao
(72) Leonardus Petrus Albertus Coolen	F24H 15/296	(74) dr. R.C. van Duijvenbode c.s.
Sjors Raoul Welter	F24H 15/254	(31) 2022112916297
(74) dr. ir. G.J.C. Verdijck c.s.	F24H 15/464	(32) 20.10.2022
(51) E06B 9/58	F24H 15/176	(33) China
E06B 9/42	F24H 15/148	(51) G01F 1/667
E06B 9/17	F24D 19/10	(11) 2036070
(11) 2037768	(11) 2036293	(47) 06.05.2025
(47) 06.05.2025	(47) 30.04.2025	(22) 19.10.2023
(22) 24.05.2024	(22) 17.11.2023	(54) ULTRASONIC GAS FLOW METER
(54) SPOUWSCHERM	(54) A novel method for centralized heating	(73) Liaoning SC Technology Co., Ltd.
(73) Muzaffer Güler	and cooling	(72) Huaicheng Han
(72) Muzaffer Güler	(73) Aihao Te (Zhejiang) Technology Co.,Ltd	Chuanbao Sun
(74) dr. A. Ellens c.s.	(72) Heliao Xu	Zhiyuan Zhou
(31) 2023/5430	Zhaoliang Xu	Fu Zheng
(32) 25.05.2023	(74) ir. W.J.J.M. Kempes	Hui Yu
(33) Belgium	(31) 2023113297195	Jiechao Chen
(51) F03D 1/06	(32) 16.10.2023	(74) ir. W.J.J.M. Kempes
F03D 80/50	(33) China	(51) G01F 15/14
(11) 2035135	(51) G01B 11/10	G01F 15/00
		G01F 15/18

- G01F 1/66  
(11) 2036071  
(47) 06.05.2025  
(22) 19.10.2023  
(54) INTEGRATED ULTRASONIC GAS DUCT  
(73) Liaoning SC Technology Co., Ltd.  
(72) Jiongzhong Lin  
Zhen Tian  
Chuanbao Sun  
Minghui Xu  
Tengfei Diao  
Wanpeng Ma  
Mingxia Yuan  
Lei Diao  
(74) ir. W.J.J.M. Kempes
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- (51) G01M 10/00  
G01P 5/20  
G01P 5/26  
G01P 5/22  
(11) 2035928  
(47) 06.05.2025  
(22) 29.09.2023  
(54) NEW ADAPTIVE TRIGGER PIV MEASURING APPARATUS AND METHOD  
(73) Beihang University  
(72) Hanbin Wang  
Qinfeng Guo  
Yang Xu  
Jinjun Wang  
Di Fan  
(74) ir. W.J.J.M. Kempes  
(31) 202211448715.4  
(32) 18.11.2022  
(33) China
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- (51) G01M 11/08  
G01L 7/08  
G01D 5/353  
G01L 9/00  
(11) 2036028  
(47) 30.04.2025  
(22) 13.10.2023  
(54) An optomechanical pressure-measurement system as well as a method for determining an ambient pressure level using such optomechanical pressure-measurement system.  
(73) Technische Universiteit Eindhoven  
(72) Andrea Fiore  
Arthur Louis Hendriks  
(74) ir. A. Blokland c.s.
- 
- (51) G01M 17/007  
G01M 9/04  
(11) 2037649  
(47) 01.05.2025  
(22) 08.05.2024  
(54) VEHICLE TEST SYSTEM CONSIDERING RELATIVE WIND SPEED AND CONTROL METHOD THEREOF  
(73) Zhejiang University of Science and Technology  
Zhejiang WASON Cold Chain Science and Technology Co., Ltd.  
(72) Songtao Zhang  
Linghua He
- Jian Wu  
Tongfeng Zhang  
(74) ir. M.B. Plaggenborg
- 
- (51) G01N 1/14  
(11) 2036102  
(47) 06.05.2025  
(22) 23.10.2023  
(54) WATER SAMPLE COLLECTION APPARATUS FOR SHALLOW WATER  
(73) Research Institute for Environmental Innovation (Binhai, Tianjin)  
Tianjin University  
(72) Yizhang Zhang  
Xu Li  
Junhong Ling  
(74) ir. M.B. Plaggenborg
- 
- (51) G01N 21/29  
B01D 53/02  
(11) 2036063  
(47) 01.05.2025  
(22) 17.10.2023  
(54) QUALITY CONTROL METHOD FOR CO2 CAPTURE MATERIAL  
(73) Skytree B.V.  
(72) Tilen Sišel  
Saskia Wunderink  
Giorgio Runcio  
Guus Delen  
(74) dr. A. Krebs
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- (51) G01N 29/02  
G01N 15/1434  
G01N 29/036  
C12Q 1/02  
G01N 33/543  
(11) 2036088  
(47) 06.05.2025  
(22) 20.10.2023  
(54) APPARATUS AND METHODS FOR SIMULTANEOUS READOUT OF NANOMOTION ON SUSPENDED SHEETS WITH ADHERED MICRO- AND NANOORGANISMS  
(73) SoundCell IP B.V.  
(72) Farbod Aljani  
Aleksandre Japaridze  
Peter Gerard Steeneken  
Ireneusz Eugeniusz Roslon  
(74) drs. P.A. van Essen c.s.
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- (51) G01N 29/14  
A01C 1/02  
G01H 9/00  
G01N 29/24  
(11) 1044716  
(47) 02.05.2025  
(22) 18.10.2023  
(54) Method and system for monitoring discrete acoustic events, in particular seed germination  
(73) PhotonFirst IP B.V.  
(72) Gideon Langedijk  
Michael Benjamin Haverdings  
(74) ir. A. Blokland c.s.
- 
- (51) G01N 33/24  
E02D 1/02  
(11) 2036053  
(47) 30.04.2025  
(22) 16.10.2023
- (54) SOIL MECHANICAL BEHAVIOUR PREDICTION USING MACHINE LEARNING  
(73) FNV IP B.V.  
(72) Michael Stals  
Klaas Siderius  
(74) R.J. Burnaby Lautier
- 
- (51) G01V 1/20  
(11) 2034192  
(47) 06.05.2025  
(22) 21.02.2023  
(54) EXPERIMENTAL STUDY METHOD OF INTEGRATION OF PHYSICAL SIMULATION AND DEPOSITION NUMERICAL SIMULATION BASED ON SOURCE-SINK SYSTEM  
(73) Yangtze University  
(72) Siyuan Wei  
Guangming Hu  
Zaixing Jiang  
Xinyu Xue  
Zhongbao Liu  
(74) dr. T. Wittop Koning PhD  
(31) 202310012792.3  
(32) 05.01.2023  
(33) China
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- (51) G01V 1/30  
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(11) 2036055  
(47) 30.04.2025  
(22) 16.10.2023  
(54) Tomographic inversion by means of a Gaussian Bayesian prior with a location dependent standard deviation  
(73) FNV IP B.V.  
(72) Myrna Staring  
Teus Boudewijn van Dam  
(74) R.J. Burnaby Lautier
- 
- (51) G01V 1/50  
G06V 10/82  
G01V 1/48  
(11) 2037646  
(47) 01.05.2025  
(22) 08.05.2024  
(54) INTELLIGENT RECOGNITION METHOD FOR ROCK FORMATION BASED ON VIBRATION SIGNALS WHILE DRILLING UNDER STRONG NOISE  
(73) Coal Geological Exploration Institute Of Gansu / Gansu mei tan di zhi kan cha yuan  
Chongqing University  
(72) Zhizhong Li  
Wanling Li  
Chengwen Yang  
Xiang Peng  
Chenglong Shao  
Zhen Gui  
(74) ir. M.B. Plaggenborg
- 
- (51) G02B 6/132  
G02F 1/035  
G02F 1/01  
(11) 2036062  
(47) 01.05.2025  
(22) 17.10.2023  
(54) Photonic circuit and method of manufacturing thereof  
(73) Rapid Photonics B.V.

(72) Bob van Someren Hamed Nikbakht	(51) G06N 10/20 G06N 10/40 G06N 10/80	G06T 7/136 G06T 7/155 G06V 10/28 G06V 10/56
(74) ir. G.P. den Braber		(11) 2036042 (47) 01.05.2025 (22) 14.10.2023
(51) G06F 18/23 G16H 50/70 G06F 40/289	(11) 2035982 (47) 06.05.2025 (22) 09.10.2023	(54) METHOD, SYSTEM AND APPARATUS FOR DETECTING LEAF VEIN OF CORN
(11) 2036047 (47) 30.04.2025 (22) 15.10.2023	(54) SYSTEM FOR PROCESSING QUANTUM TASK, METHOD FOR PROCESSING QUANTUM TASK AND RELATED APPARATUSES	(73) China Agricultural University
(54) DISTRIBUTED-COMPUTING-BASED BIG DATA MINING AND ANALYZING SYSTEM FOR ANCIENT BOOKS OF TRADITIONAL CHINESE MEDICINE	(73) Beijing Baidu Netcom Science Technology Co., Ltd.	(72) Ruicheng Qiu Jiaming Cao Man Zhang Lihua Zhi Han Li
(73) INSTITUTE OF CHINESE MATERIA MEDICA CHINA ACADEMY OF CHINESE MEDICAL SCIENCES INSTITUTE OF INFORMATION ON TRADITIONAL CHINESE MEDICINE CHINA ACADEMY OF CHINESE MEDICAL SCIENCES	(72) Shusen Liu Wenxue Zhang Zixian Yan Xueyi Guo Yang He Zelin Meng	(74) ir. M.B. Plaggenborg (31) 2023102068493 (32) 07.03.2023 (33) China
(72) Weina Zhang Bing Li Huamin Zhang Sihong Liu Bin Li Shasha Li Youjuan Hou Yan Dong	(74) ir. B.Ch. Ledebøer c.s. (31) 202310134319.2 (32) 09.02.2023 (33) China	(51) G07C 9/00 H04M 1/02 H04M 11/02 H04N 7/18 H04Q 5/24 G06Q 10/083
(74) ir. M.B. Plaggenborg	(51) G06Q 50/02 G06Q 10/06 G06Q 10/10	(11) 1044724 (47) 06.05.2025 (22) 24.10.2023
(51) G06F 21/62 (11) 2036298 (47) 06.05.2025 (22) 17.11.2023	(54) Method and system for screening and analyzing Paeonia suffruticosa varieties in urban gardens	(54) METHOD AND SYSTEM FOR MANAGING TRAFFIC AT AN ENTRANCE
(54) CROSS-DOMAIN SHARING METHOD AND APPARATUS FOR ZERO-TRUST SENSITIVE BIG DATA BASED ON PRIVACY COMPUTATION	(73) Management Committee of "Golden Avenue Mata Feiyan" Scenic Spot in Wuwei City	(73) Zipp Labs B.V. (72) A. Langerak-Dargel (74) ir. B.Ch. Ledebøer c.s.
(73) NANHU LABORATORY	(72) Peiyun Zhang Hongyan An Jiaqi Wang Na Yang Zhiyu Song Xiaonan Chen Qingshan Niu Junping Meng	(51) G16H 50/30 G01N 13/00 G06N 3/088 G06N 7/01
(72) Lei Zhang Zhichao Yan	(74) ir. F.A. Geurts c.s. (31) 202410023632.3 (32) 05.01.2024 (33) China	(11) 2034997 (47) 01.05.2025 (22) 05.06.2023
(74) dr. T. Wittop Koning PhD (31) 202310029944.0 (32) 09.01.2023 (33) China	(51) G06T 7/00 G06T 7/11	(54) HEALTH RISK ASSESSMENT METHOD OF HEAVY METALS IN WATER SOURCE LOCATION BASED ON PMF AND MACHINE LEARNING
(51) G06F 30/27 G06F 113/08 G06N 3/048 G06N 3/0455 G06N 3/0464 G01C 13/00 G06N 3/09 G06F 111/10	(11) 2037742 (47) 06.05.2025 (22) 22.05.2024	(73) SUZHOU UNIVERSITY (72) Manli Lin Song Chen Herong Gui Hao Yu Weihua Peng Yaqi Jiang
(11) 2034208 (47) 06.05.2025 (22) 23.02.2023	(54) LIVER AND LIVER TUMOR SEGMENTATION METHOD BASED ON PARALLEL RESIDUAL ATTENTION MECHANISM	(74) ir. M.B. Plaggenborg (31) 202310448807.0 (32) 24.04.2023 (33) China
(54) SIGNIFICANT WAVE HEIGHT PREDICTION MODEL AND DEVICE	(73) Harbin University of Science and Technology	(51) H01L 23/367 H01L 23/373 H01L 23/36
(73) SHANGHAI OCEAN UNIVERSITY	(72) Liang Guo Zhipeng Yang Yuanzhi Cheng Jinke Wang	(11) 2036061 (47) 01.05.2025 (22) 17.10.2023
(72) Wei Song Huifang Xu Meng Zhao Xiaoguang Bao Qi He Minghua Zhang	(74) ir. M.B. Plaggenborg (31) 2023108359280 (32) 07.07.2023 (33) China	(54) POWER AMPLIFIER MODULE WITH TAPERED HEAT SPREADER
(74) ir. M.B. Plaggenborg (31) 202211382301.6 (32) 07.11.2022 (33) China	(51) G06V 10/30 G06V 10/34 G06T 7/11	(73) Ampleon Netherlands B.V. (72) Dmytro Wolodymyrowytsj Lialuk Christian Maria Weinschenk (74) dr. ir. G.J.C. Verdijck c.s.

- (51) H01M 10/617  
H01M 10/613  
H01M 10/6556  
H01M 10/6567
- (11) 2037595  
(47) 06.05.2025  
(22) 01.05.2024  
(54) LIQUID COOLING PLATE AND BATTERY PACK
- (73) Jinko Energy Storage Technology Co., Ltd.  
(72) Shaorong Ge  
Yadong Liang  
Guochao Chen
- (74) ir. A. Blokland c.s.  
(31) 202311393256.9  
202311397072.X
- (32) 25.10.2023  
25.10.2023
- (33) China  
China
- 
- (51) H02J 3/36  
H02J 3/16
- (11) 2036105  
(47) 06.05.2025  
(22) 24.10.2023  
(54) A Voltage Source Converter, VSC, of a VSC-High Voltage Direct Current, HVDC, network as well as a corresponding method.
- (73) Technische Universiteit Eindhoven  
(72) Zheran Zeng  
Dongsheng Yang
- (74) ir. A. Blokland c.s.
- 
- (51) H02K 1/278  
H02K 1/02
- (11) 2036026  
(47) 30.04.2025  
(22) 13.10.2023  
(54) COMPOSITE ROTOR SUITABLE FOR HIGH-SPEED PERMANENT MAGNET MOTOR
- (73) Shenyang University of Technology  
SHANDONG UNIVERSITY
- (72) Guanglong Jia  
Sichu Shang  
Zhenyao Xu  
Yue Zhang  
Qian Yue  
Guangwei Liu
- (74) ir. M.B. Plaggenborg
- 
- (51) H02P 25/03  
H02P 21/22  
H02P 25/22
- (11) 2036043  
(47) 30.04.2025  
(22) 14.10.2023  
(54) CONTROL METHOD OF MAXIMUM TORQUE PER AMPERE FOR DIRECT-DRIVE SYNCHRONOUS MOTOR
- (73) Shenyang University of Technology  
BEIHANG UNIVERSITY
- (72) Wuhen Jin  
Fengge Zhang  
Siyang Yu  
Hao Wang  
Shi Jin  
Huijun Wang
- (74) ir. M.B. Plaggenborg
- 
- (51) H04B 1/02  
H04B 1/00  
H04B 1/04
- (11) 2036038  
(47) 30.04.2025  
(22) 13.10.2023  
(54) Digitally controlled segmented RF power transmitter
- (73) Technische Universiteit Delft  
(72) Dieuwert Peter Nicolaas Mul  
Mohammad Reza Beikmirza  
Leonardus Cornelis Nicolaas de Vreede  
Robert Jan Bootsman  
Tariq Ibrahim  
Seyed Morteza Alavi
- (74) dr. R.C. van Duijvenbode c.s.
- 
- (51) H05K 3/36  
H05K 1/14
- (11) 2036014  
(47) 30.04.2025  
(22) 12.10.2023  
(54) MANUFACTURING OF ELECTRONIC DEVICES USING ELECTRONIC FOIL PIECES
- (73) TracXon B.V.  
(72) Ashok Sridhar  
Cornelis Hermanus Arnoldus Rentrop
- (74) ir. B.Ch. Ledeboer c.s

**NP3**

**Nederlandse octrooien na gedeeltelijke afstand ex artikel 63 van de Rijsoctrooiwet 1995.  
Netherlands patents after partial limitation ex Article 63 of the NL Patent Law 1995.**

**EP1**

**Vertaalde conclusies van Europese octrooiaanvragen.  
Translations of the claims of European patent applications.**

## EP2

**Voor Nederland verleende Europese octrooien.  
European patents granted for the Netherlands.**

(51) A01B 17/00	(47) 07.05.2025	(21) EP18163860.2
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(11) EP4201166	(54) AGRICULTURAL MACHINE AND	(22) 26.03.2018
(21) EP22214628.4	METHOD OF PROVIDING IMPLEMENT	(54) AGRICULTURAL MACHINE AND
(47) 07.05.2025	HEIGHT CONTROL FOR SUCH AN	METHOD FOR OPERATING AN
(22) 19.12.2022	AGRICULTURAL MACHINE	AGRICULTURAL MACHINE
(54) SOIL CULTIVATION IMPLEMENT	(73) Deere & Company	(73) CLAAS Tractor S.A.S.
(73) LEMKEN GmbH & Co. KG	(72) HERRMANN, KENNETH E.	(72) Meyer, Lennart
(72) Bergemann, Christian	PETERSON, JAMES R.	Noyer, Pierre
Mäsing, Stefan	KINNEY, COLTER W.	Ehlert, Christian
Wübbels, Benedikt	WACKERLE, BRADLEY A.	Rüther, Friedrich
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(22) 22.05.2023	G01C 21/04	(47) 07.05.2025
(54) WEEDING UNIT AND METHOD FOR	G01S 19/49	(22) 02.08.2021
TREATING AN AGRICULTURAL FIELD	G01C 21/16	(54) METHOD FOR OBTAINING COATED
(73) AGCO International GmbH	G01C 21/18	GRAINS OF COUPLED SEEDS OF
(72) LAUWEN, Eerke	G05D 1/00	DIFFERENT SPECIES
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(47) 07.05.2025	(54) SYSTEM AND METHOD FOR	(11) EP3834595
(22) 28.03.2022	TERRESTRIAL VEHICLE NAVIGATION	(21) EP20401063.1
(54) SYSTEM AND METHOD	(73) Beijing Unistrong Science&technology	(47) 07.05.2025
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BASKET ASSEMBLIES OF AN	MCCLURE, John, A.	(73) Amazonen-Werke H. Dreyer SE & Co.
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(73) CNH Industrial Belgium N.V.	B60K 35/10	(72) Bohlen, Eike
(72) Schroeder, Brittany	B60K 35/28	(31) 102019133770
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(54) IMPROVED PICK-UP HITCH	(73) KUBOTA CORPORATION	(73) Amazonen-Werke H. Dreyer SE & Co.
ASSEMBLY	(72) MATSUDA, Koji	KG
(73) CNH Industrial Italia S.p.A.	MISAKI, Shinji	(72) Teckemeyer, Stephan
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(54) PLANTING MACHINE AND METHOD FOR PLACING A PLANT	Horstmann, Josef	A01D 46/00
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(72) Schulze Heuling, Raphael	Weiss, Peter	A01D 46/30
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Frey, Benjamin	(54) APPARATUS FOR WORKING THE SOIL AND OPERATOR MACHINE PROVIDED WITH SAID APPARATUS	SHIFMAN, Elad
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(33) Netherlands	SYSTEM	(72) BRAYER, Eyal
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(73) Kimberly-Clark Worldwide, Inc.	(51) A47L 5/30	(51) A47L 9/14
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(47) 07.05.2025	(22) 09.03.2022	
	(54) TRANSPORT OF DIRT IN A SUCTION HEAD FOR USE IN A VACUUM CLEANER	
	(73) Versuni Holding B.V.	
	(72) ESPÍN FRANCO, Fermín	

(54) SUCTION DEVICE, IN PARTICULAR A VACUUM CLEANER	(54) FLEXIBLE HOSE, IN PARTICULAR VACUUM CLEANER HOSE, AND METHOD FOR THE PRODUCTION THEREOF	(54) CLEANER HEAD MEMBER, CLEANER HEAD ASSEMBLY AND WET CLEANING APPARATUS
(73) Robert Bosch GmbH	(73) TRUPLAST Kunststofftechnik GmbH	(73) Versuni Holding B.V.
(72) ESENWEIN, Florian	(72) HOLST, Marco	(72) LUBBERS, Mattheijs Hendrikus
DENNIS, Daniel	STEITZ, Ingo	(51) A47L 11/40
SPERL, Michael	GÄRTNER, Sascha	A47L 11/24
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(47) 07.05.2025	(47) 07.05.2025	(54) MOPPING MEMBER, MOPPING APPARATUS, CLEANING ROBOT, AND CONTROL METHOD FOR CLEANING ROBOT
(87) US2022039035	(22) 09.03.2022	(73) Yunjing Intelligence Innovation (Shenzhen) Co., Ltd.
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(22) 01.08.2022	(73) BSH Hausgeräte GmbH	LIN, Weijin
(54) EMPTYING STATION FOR CLEANING ROBOT	(72) Geis, Julius	(31) 201810987148
(73) iRobot Corporation	Schnitzer, Frank	(32) 28.08.2018
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(47) 07.05.2025	(73) Yunjing Intelligence Technology (Dongguan) Co., Ltd.	(22) 12.02.2021
(22) 30.03.2023	(72) ZHOU, Jingwei	(54) CLEANING HEAD WITH DIRECTIONAL NOZZLE ASSEMBLY AND SHAPED EXTERNAL AIR KNIFE FOR TRAVERSING SHOWER SYSTEMS
(54) CLEANING A FILTER OF A SUCTION DEVICE BY DISPLACING A MASS	WU, Yihao	(73) Kadant Nordic AB
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(54) SUCTION APPARATUS HAVING A FILTER CLEANING DEVICE	A47L 11/20	(51) A47L 13/58
(73) Robert Bosch GmbH	A47L 11/40	A47L 13/258
(72) SCHLAUCH, Patrick	A47L 13/256	A47L 13/256
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(72) LU, Kaifeng ZHU, Chenhui	(31) 102018133024 (32) 20.12.2018 (33) Germany	(54) INTRAORAL SCANNING SYSTEM (73) 3Shape A/S (72) KROGH, Kasper HANSEN, Esben Rosenlund VANNAHME, Christoph JENSEN, Peter Dahl Ejby OLEGOVYCH, Dmytro Chupryna JENSEN, Søren Greve PEDERSEN, Michael JELLINGGAARD, Anders Robert SUNDBERG, Oliver FOGED, Morten Vendelbo
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(73) Illinois Tool Works Inc.	(51) A61B 1/00 A61B 1/005 A61B 1/05 A61B 5/06 (11) EP4017335 (21) EP20757822.0 (47) 07.05.2025 (87) EP2020073196 25.02.2021 (22) 19.08.2020 (54) STEERABLE ENDOSCOPE WITH MOTION ALIGNMENT (73) Covidien AG (72) TATA, Derek, Scot INGLIS, Peter, Douglas, Colin HAUSE, Alexandra PATTON, Craig, Allen	(33) European Patent Office (EPO) European Patent Office (EPO)
(72) DISCH, Harald SCHREMPP, Martin	(51) A61B 1/00 A61B 1/005 A61B 1/05 A61B 5/06 (11) EP4017335 (21) EP20757822.0 (47) 07.05.2025 (87) EP2020073196 25.02.2021 (22) 19.08.2020 (54) STEERABLE ENDOSCOPE WITH MOTION ALIGNMENT (73) Covidien AG (72) TATA, Derek, Scot INGLIS, Peter, Douglas, Colin HAUSE, Alexandra PATTON, Craig, Allen	(31) 19161887 19159766 (32) 11.03.2019 27.02.2019
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(73) LG Electronics Inc.	(51) A61B 1/00 A61B 1/005 A61B 1/05 A61B 5/06 (11) EP4017335 (21) EP20757822.0 (47) 07.05.2025 (87) EP2020073196 25.02.2021 (22) 19.08.2020 (54) STEERABLE ENDOSCOPE WITH MOTION ALIGNMENT (73) Covidien AG (72) TATA, Derek, Scot INGLIS, Peter, Douglas, Colin HAUSE, Alexandra PATTON, Craig, Allen	(31) 102019120281 (32) 26.07.2019 (33) Germany
(72) KIM, Youngsoo SHIN, Jinhyouk KIM, Minseong	(51) A61B 1/00 A61B 1/005 A61B 1/05 A61B 5/06 (11) EP4017335 (21) EP20757822.0 (47) 07.05.2025 (87) EP2020073196 25.02.2021 (22) 19.08.2020 (54) STEERABLE ENDOSCOPE WITH MOTION ALIGNMENT (73) Covidien AG (72) TATA, Derek, Scot INGLIS, Peter, Douglas, Colin HAUSE, Alexandra PATTON, Craig, Allen	(31) 102019120281 (32) 26.07.2019 (33) Germany
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(73) Winterhalter Product & Technology GmbH	(51) A61B 1/00 A61B 1/005 A61B 1/05 A61B 5/06 (11) EP4017335 (21) EP20757822.0 (47) 07.05.2025 (87) EP2020073196 25.02.2021 (22) 19.08.2020 (54) STEERABLE ENDOSCOPE WITH MOTION ALIGNMENT (73) Covidien AG (72) TATA, Derek, Scot INGLIS, Peter, Douglas, Colin HAUSE, Alexandra PATTON, Craig, Allen	(31) 102019120281 (32) 26.07.2019 (33) Germany
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(73) VERB SURGICAL INC.	Theodorus Frederik	(72) HEILIGER, Zachary, S.
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KAPELEVICH, Vitaly	(21) EP20829477.7	STOUT, Marty L.
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(73) Koninklijke Philips N.V.	A61M 25/04	DICKIE, Robert G.
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(73) Barranco Pons, Roger	A61M 39/26	(72) SMITH, Bryce
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KG                  (72) MERLIN, Julian                  TAFF, Brian                  BERGSTROM, Dean                  SWENSON, Kurt                  (31) 202163193303 P                  21183353                  (32) 26.05.2021                  02.07.2021                  (33) United States of America                  European Patent Office (EPO)  <hr/>                 (51) A61N 1/372                  A61B 5/0538                  A61B 5/11                  A61B 5/00                  (11) EP4347004                  (21) EP22727187.1                  (47) 07.05.2025                  (87) EP2022062727                  08.12.2022                  (22) 11.05.2022                  (54) COMMUNICATION SYSTEM AND METHOD FOR AN IMPLANTABLE MEDICAL DEVICE                  (73) BIOTRONIK SE &amp; Co. KG                  (72) BERGSTROM, Dean                  TAFF, Brian M.                  MCMILLAN, Brad                  MERLIN, Julian                  SWENSON, Kurt                  (31) 202163195405 P                  21183354                  (32) 01.06.2021</p>
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(72) WALCHER, Rainer	B23B 31/00	(72) Muzilla, David John
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HAVING A QUICK-CHANGE CHUCK	(33) Germany	POWER AND PREHEATING POWER
AND A HOLE SAW	(51) B23H 7/04	(73) Illinois Tool Works, Inc.
(73) Colt Technologies GmbH	B23H 7/20	(72) FELDHAUSEN, Joseph
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MANUFACTURING A CUTTING PART	(54) IRON TIP CLEANER DEVICE FOR	(54) AN ASSEMBLY FOR A TORCH,
OF A MILLING TOOL	SOLDERING IRON	SYSTEM COMPRISING SUCH
(73) CERATIZIT Besigheim GmbH	(73) Shoritsu Electric Industry Co., Ltd.	ASSEMBLY, AND METHOD USING
(72) Edelmann, Karl-Heinz	(72) NAKAJIMA, Kosuke	SUCH SYSTEM
Schmid, Frank	YAMAMOTO, Shinobu	(73) The ESAB Group Inc.
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MILLING CUTTER, BALL TRACK	(47) 07.05.2025	(21) EP23199972.3
MILLING CUTTER HAVING A MILLING	(22) 09.03.2022	(47) 07.05.2025
HEAD OF THIS TYPE, METHOD FOR	(54) MULTI-DIAMETER POWER PIN AND	(22) 27.09.2023
PRODUCING A CUTTING EDGE FOR	RECEIVING SOCKET FOR AN ARC	(54) NITROGEN COOLING SYSTEM
A BALL TRACK MILLING CUTTER,	PROCESSING SYSTEM	APPARATUS FOR IMPEDER HIGH-
COMPUTER PROGRAM PRODUCT	(73) TBI Industries GmbH	FREQUENCY WELDING PROCESS
FOR CARRYING OUT A METHOD OF	(72) Langeström, Carl-Johan	(73) Societa' Italiana Acetilene & Derivati
THIS TYPE, DATA CARRIER HAVING	Malyi, Dimitri	S.I.A.D. S.p.A. in breve S.I.A.D. S.p.A.
A COMPUTER PROGRAM PRODUCT	Süss, Stefan	(72) MALOMO, Alfredo
OF THIS TYPE, AND GRINDING	Fischer, Alexander	RECANATI, Anselmo
MACHINE FOR CARRYING OUT THE	Hartel, Marc	SILVETTI, Gualtiero
METHOD	(31) 202117215436	(31) 202200020265

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Uhde High Pressure Technologies GmbH  
(72) Gabriel, Marcin
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LEE, Jung Ho	(73) Aptiv Technologies AG	SCHUIJERS, Erik
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(51) B29C 70/08	(72) Tyburski, Andreas	Justine, Carole
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(72) RUSSO, Claudio	MANUFACTURING TECHNIQUES	(72) YOKOI, Yoshimune
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(72) KYU An TAKAGISHI Tsuneaki KATO Manabu	(73) Seiko Epson Corporation (72) HIRAI, Eiju TAKABE, Motoki	(51) B41J 11/48 G06F 3/12 G03G 15/00 B41J 11/00 H04N 1/00 G01N 33/34 (11) EP3689622 (21) EP20151957.6 (47) 07.05.2025 (22) 15.01.2020 (54) INFORMATION PROCESSING APPARATUS, PRINTING APPARATUS, AND METHOD OF DETERMINING PRINT MEDIA TYPE
(31) 2017075295 (32) 05.04.2017 (33) Japan	(31) 2022075340 (32) 28.04.2022 (33) Japan	(73) CANON KABUSHIKI KAISHA (72) IGARASHI, Yuki (31) 2019016168 (32) 31.01.2019 (33) Japan
(51) B41J 2/14 (11) EP4227103 (21) EP23151830.9 (47) 07.05.2025 (22) 16.01.2023 (54) PRINTHEAD DESIGN WITH MULTIPLE FLUID PATHS TO JETTING CHANNELS	(51) B41J 2/165 B41J 2/045 B41J 2/14 B41J 2/18 (11) EP4166340 (21) EP22206628.4 (47) 07.05.2025 (22) 11.09.2019 (54) INKJET PRINTING APPARATUS AND INKJET PRINTING METHOD	(73) Ricoh Company, Ltd. (72) HURTADO, Cesar NISHIMURA, Hiroshi VO, Giang (31) 202217669350 (32) 10.02.2022 (33) United States of America
(51) B41J 2/14 (11) EP4245543 (21) EP23161937.0 (47) 07.05.2025 (22) 15.03.2023 (54) LIQUID DISCHARGE HEAD AND LIQUID DISCHARGE APPARATUS	(73) Canon Kabushiki Kaisha (72) TAKAHASHI, Atsushi NAKANO, Takatoshi FUKASAWA, Takuya NAKAGAWA, Yoshinori OIKAWA, Yuhei (31) 2018190490 (32) 05.10.2018 (33) Japan	(51) B41M 5/00 (11) EP3592566 (21) EP18720405.2 (47) 07.05.2025 (87) SI2018050009 13.09.2018 (22) 05.03.2018 (54) A PROCESS FOR PRINTING A COLOUR IMAGE ONTO A STONE TILE (73) Kamnosestvo Domzale Zoran Bernik s.p. (72) BERNIK, Zoran (31) 201700079 (32) 08.03.2017 (33) Slovenia
(73) Ricoh Company, Ltd. (72) Kurosawa, Tomoko Maeshiro, Riku Sagae, Eiri Nakashima, Makito	(51) B41J 2/21 G06K 15/02 H04N 1/407 H04N 1/405 (11) EP4301603 (21) EP22711681.1 (47) 07.05.2025 (87) JP2022009086 09.09.2022 (22) 03.03.2022 (54) DEFECTIVE NOZZLE COMPENSATION MECHANISM	(51) B41M 5/333 B41M 5/327 (11) EP4269119 (21) EP21915260.0 (47) 07.05.2025 (87) JP2021048438 07.07.2022 (22) 24.12.2021 (54) COLOUR DEVELOPER, THERMAL RECORDING MATERIAL, AND COATING MATERIAL FOR THERMAL RECORDING LAYERS
(31) 2022184305 2022051642 2022040319 (32) 17.11.2022 28.03.2022 15.03.2022 (33) Japan Japan Japan	(73) Ricoh Company, Ltd. (72) GURUDATH, Nikita KAILEY, Walter. F MANCHESTER, William ZHANG, Ziling STANICH, Mikel (31) 202117193935 (32) 05.03.2021	(73) Sanko Co., Ltd. (72) KINISHI, Ryoichi ISHIBASHI, Yoshimi (31) 2021014999 2020219044 (32) 02.02.2021 28.12.2020 (33) Japan Japan
(51) B41J 2/14 B41J 2/01 (11) EP4052910 (21) EP20881106.7 (47) 07.05.2025 (87) JP2020040944		

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B42D 25/369	G02B 27/06	B42D 25/405
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B42D 25/355	(21) EP20196851.8	(21) EP15771396.7
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(47) 07.05.2025	(54) AN OPTICAL DEVICE THAT PROVIDES	24.03.2016
(87) IN2021050595	FLICKER-LIKE OPTICAL EFFECTS	(22) 16.09.2015
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(22) 20.06.2021	(72) JORDAN, Gregory, R.	(73) Crane Security Technologies, Inc.
(54) GRAPHENE BASED SECURITY	COTE, Paul, F.	(72) COTE, Paul F.
THREAD, METHODS OF	PALM, Scott, K.	(31) 201462050865 P
MANUFACTURING THE SAME AND	GOSNELL, Jonathan, D.	(32) 16.09.2014
APPLICATION THEREOF	CAPE, Samuel, M.	(33) United States of America
(73) Patel, Shilpan Pravinchandra	BLEIMAN, Benjamin, E.	(51) B60B 3/10
(72) Patel, Shilpan Pravinchandra	(31) 201762515179 P	B60B 7/00
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C09D 11/037	(47) 07.05.2025	SPOKE DESIGN FOR A VEHICLE
(11) EP4163121	(87) JP2020013709	WHEEL
(21) EP22020440.8	08.10.2020	(73) Lacks Enterprises, Inc.
(47) 07.05.2025	(22) 26.03.2020	(72) CHINAVARE, Kevin
(22) 13.09.2022	(54) TRANSFER SHEET AND METHOD	(31) 201615166834
(54) PRODUCTION OF A PIGMENT	OF MANUFACTURING DECORATIVE	(32) 27.05.2016
(73) Giesecke+Devrient Currency Technology	MOLDED PRODUCT	(33) United States of America
GmbH	(73) Dai Nippon Printing Co., Ltd.	(51) B60B 5/02
(72) Hoffmüller, Winfried	(72) SAKONAKA, Kazuyuki	B60B 21/02
Hettenkofer, Christine	NAKATSUGAWA, Yuji	B60B 1/00
Renner, Patrick	NODA, Akihisa	B60B 21/06
Scherer, Kai Herrmann	OTA, Naoki	(11) EP3566882
Sobol, Michael	(31) 2019069062	(21) EP19173350.0
Szendrei-Temesi, Katalin	(32) 29.03.2019	(47) 07.05.2025
Scherer, Maik Rudolf Johann	(33) Japan	(22) 08.05.2019
(31) 102021004984	(51) B44C 1/17	(54) BICYCLE RIM AND WHEEL
(32) 05.10.2021	B32B 27/20	(73) SRAM, LLC.
(33) Germany	B32B 7/06	(72) Packard, Aaron
(51) B42D 25/346	B32B 3/18	Trouw, Ruan
B42D 25/355	B29C 45/14	Hall, Michael
B42D 25/373	B44F 1/02	(31) 201916398620
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(22) 11.03.2022	08.10.2020	United States of America
(54) SECURITY ELEMENT FOR VALUABLE	(22) 26.03.2020	(51) B60B 33/00
DOCUMENTS WITH A CARRIER FOIL	(54) TRANSFER SHEET AND METHOD	B60B 33/02
AND AT LEAST ONE DECORATIVE	FOR MANUFACTURING DECORATIVE	(11) EP3758955
LAYER	MOLDING	(21) EP19761052.0
(73) Hueck Folien Gesellschaft m.b.H.	(73) Dai Nippon Printing Co., Ltd.	(47) 07.05.2025
(72) TRASSL, Stephan	(72) NODA, Akihisa	(87) DK2019050077
(51) B42D 25/41	NAKATSUGAWA, Yuji	06.09.2019
B42D 25/425	OTA, Naoki	(22) 01.03.2019
B42D 25/43	SAKONAKA, Kazuyuki	(54) A CASTOR WHEEL
B42D 25/45	(31) 2019069065	(73) NGI A/S
B42D 25/324	(32) 29.03.2019	(72) HECHT OLSEN, Tomas
B42D 25/342	(33) Japan	(31) PA201870140
B42D 25/351	(51) B44F 1/10	(32) 02.03.2018
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C08K 5/156	(87) EP2020084283	ETABLISSEMENTS MICHELIN
C08K 5/20	07.10.2021	(72) GAVARD-LONCHAY, Odile
C08K 5/23	(22) 02.12.2020	LE CLERC, Christophe
B60C 5/00	(54) SULFUR-CROSSLINKABLE RUBBER-	THUILLIEZ, Anne-Lise
B60C 19/00	COATING MIXTURE	LETESSIER, Julien
C08J 9/00	(73) Continental Reifen Deutschland GmbH	(31) 2103178
C08J 9/10	(72) RAJAN, Vipin	(32) 29.03.2021
C08L 23/28	EICHHORST, Christoph	(33) France
(11) EP4337477	RECKER, Carla	(51) B60C 9/00
(21) EP22723810.2	SCHMAUNZ-HIRSCH, Cornelia	C08L 21/00
(47) 07.05.2025	KRAMER, Thomas	C08L 7/00
(87) IB2022054423	(31) 102020204152	D07B 1/06
17.11.2022	(32) 31.03.2020	(11) EP4313624
(22) 12.05.2022	(33) Germany	(21) EP22715129.7
(54) SOUNDPROOF TYRE FOR VEHICLE	(51) B60C 7/14	(47) 07.05.2025
WHEELS	B60B 9/26	(87) FR2022050511
(73) Pirelli Tyre S.p.A.	B33Y 80/00	06.10.2022
(72) MONTEROSSO, Antonio	(11) EP4177078	(22) 21.03.2022
DONETTI, Raffaella	(21) EP22205716.8	(54) COMPOSITE COMPRISING A METAL
HANEL, Thomas	(47) 07.05.2025	REINFORCEMENT ELEMENT AND
SUSANNA, Antonio	(22) 07.11.2022	AN ELASTOMERIC COMPOSITION
(31) 202100012329	(54) NON-PNEUMATIC TIRE AND WHEEL	COMPRISING AN ADHESION
(32) 13.05.2021	ASSEMBLY AND METHOD OF	PROMOTING RESIN
(33) Italy	MANUFACTURING	(73) COMPAGNIE GENERALE DES
(51) B60C 1/00	(73) The Goodyear Tire & Rubber Company	ETABLISSEMENTS MICHELIN
C08K 3/04	(72) YENSHO, Nate Edward	(72) THUILLIEZ, Anne-Lise
C08L 7/00	GOPALA, Arun Kumar Byatarayanapura	LETESSIER, Julien
C08L 9/00	MILLER, Andrew James	GAVARD-LONCHAY, Odile
C08L 19/00	BHUIYAN, Md Atiqur Rahman	(31) 2103177
C08L 21/00	MYERS, Ann Elizabeth	(32) 29.03.2021
(11) EP3558708	SIGLER, Wesley Glen	(33) France
(21) EP17832516.3	FENSTERMAKER, Christopher Dean	(51) B60C 9/20
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28.06.2018	(32) 20.10.2022	(11) EP4126564
(22) 19.12.2017	08.11.2021	(21) EP21716592.7
(54) RUBBER COMPOSITION COMPRISING	(33) United States of America	(47) 07.05.2025
A SPECIFIC CRUMB RUBBER	United States of America	(87) DE2021200035
(73) Compagnie Générale des	(51) B60C 7/14	07.10.2021
Etablissements Michelin	B60C 7/00	(22) 17.03.2021
(72) CUSCITO, Olivia	(11) EP3888937	(54) PNEUMATIC VEHICLE TIRE OF
THOMASSON, Damien	(21) EP19891634.8	RADIAL DESIGN FOR UTILITY
(31) 1662871	(47) 07.05.2025	VEHICLE TIRES
(32) 20.12.2016	(87) JP2019044500	(73) Continental Reifen Deutschland GmbH
(33) France	04.06.2020	(72) WACHMANN, Fabian
(51) B60C 1/00	(22) 13.11.2019	MOURA, Tiago
C08K 5/375	(54) NON-PNEUMATIC TIRE	BERGER, Florian
C08L 9/06	(73) BRIDGESTONE CORPORATION	(31) 102020204344
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(47) 07.05.2025	(32) 30.11.2018	(51) B60C 9/20
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08.04.2021	(51) B60C 9/00	B60C 9/18
(22) 29.09.2020	C08L 7/00	B60C 9/22
(54) RUBBER COMPOSITION FOR A	B60C 1/00	(11) EP4227113
LARGE-SIZED TIRE	D07B 1/06	(21) EP23151233.6
(73) COMPAGNIE GENERALE DES	(11) EP4313625	(47) 07.05.2025
ETABLISSEMENTS MICHELIN	(21) EP22715130.5	(22) 12.01.2023
(72) MONOD, Anthony	(47) 07.05.2025	(54) HEAVY DUTY PNEUMATIC TIRE
CABIOCH, Jean-Luc	(87) FR2022050512	(73) Sumitomo Rubber Industries, Ltd.
(31) 1910790	06.10.2022	(72) OKABE, Taro
(32) 30.09.2019	(22) 21.03.2022	(31) 2022018677
(33) France	(54) COMPOSITE COMPRISING A METAL	(32) 09.02.2022
(51) B60C 1/00	REINFORCEMENT ELEMENT AND	(33) Japan
C08L 7/00	AN ELASTOMERIC COMPOSITION	(51) B60C 11/00
(11) EP4126561	COMPRISING AN ADHESION	(11) EP3967518
(21) EP20820352.1	PROMOTING RESIN	(21) EP21187897.0

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(22) 27.07.2021	(11) EP4351890	(31) 202200651
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(73) Continental Reifen Deutschland GmbH	(22) 08.06.2022	(51) B60C 23/06 (11) EP4069529
(72) Biabanaki, Seyedomidreza	(54) IMPROVED ADAPTER AND ROLLING ASSEMBLY COMPRISING SUCH AN ADAPTER	(21) EP20812281.2 (47) 07.05.2025
(31) 102020210391	(73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	(87) EP2020083214 10.06.2021
(32) 14.08.2020	(72) WALSER, Daniel	(22) 24.11.2020
(33) Germany	(31) 2106042	(54) SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR DETECTING REDUCED TIRE PRESSURE
(51) B60C 11/00 B60C 11/03 B60C 9/00	(32) 08.06.2021 (33) France	(73) Nira Dynamics AB (72) WIDMARK, Mats
(11) EP4253089	(51) B60C 19/08	(31) 102019132859
(21) EP23162147.5	B60C 9/00	(32) 03.12.2019
(47) 07.05.2025	D02G 3/48	(33) Germany
(22) 15.03.2023	D03D 15/00	(51) B60G 3/01 B60G 11/27 B60G 17/0165 B60G 17/019 B60G 17/056
(54) MOTORCYCLE TIRE PAIR	D06M 11/83	(11) EP3981619
(73) Sumitomo Rubber Industries, Ltd.	B29D 30/38	(21) EP21200302.4
(72) KOBORI, Chihiro	D07B 1/06	(47) 07.05.2025
(31) 2022056603	(11) EP3643540	(22) 30.09.2021
(32) 30.03.2022	(21) EP19201768.9	(54) AGRICULTURAL MACHINE
(33) Japan	(47) 07.05.2025	(73) Deere & Company
(51) B60C 11/11 B60C 11/13 B60C 11/03 B60C 11/12	(22) 07.10.2019	(72) Short, Daniel T.
(11) EP4253092	(54) TIRE CORD FABRIC, METHOD OF MANUFACTURING THE SAME, SHEET INCLUDING THE SAME, AND TIRE INCLUDING SUCH A SHEET	(31) 202017064877 (32) 07.10.2020 (33) United States of America
(21) EP23163035.1	(73) HANKOOK TIRE & TECHNOLOGY CO., LTD	(51) B60G 7/00 (11) EP3870463
(47) 07.05.2025	(72) Lee, Jiwan	(21) EP19789651.7
(22) 21.03.2023	Chung, Haekwang	(47) 07.05.2025
(54) TIRE	Ko, Kilju	(87) EP2019077864 30.04.2020
(73) Sumitomo Rubber Industries, Ltd.	Lee, Mijung	(22) 15.10.2019
(72) YAO, Masahiro	Cho, Hyunran	(54) SPRING LINK OF SHEET-METAL CONSTRUCTION
(31) 2022060431	Jo, Seokhee	(73) VOLKSWAGEN AKTIENGESELLSCHAFT
(32) 31.03.2022	Park, Seungha	(72) DINDOGRU, Steffen
(33) Japan	(31) 20180128925	BEHN, Michael
(51) B60C 11/24	(32) 26.10.2018	SCHNEIDER, Felix
(11) EP4313634	(33) Korea (Republic)	GANSKE, Volker
(21) EP22717865.4	(51) B60C 23/04	(31) 102018218082
(47) 07.05.2025	(11) EP3953190	(32) 23.10.2018
(87) FR2022050573	(21) EP20712244.1	(33) Germany
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(22) 28.03.2022	(87) EP2020056429 15.10.2020	(11) EP4319999
(54) METHOD FOR DETERMINING THE STATE OF WEAR OF A TIRE SIDEWALL FOR URBAN BUSES	(22) 11.03.2020	(21) EP22712211.6
(73) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	(54) SYSTEM FOR MONITORING PRESSURE OF VEHICLE TIRES	(47) 07.05.2025
(72) DOMPROBST, Frédéric	(73) ATEQ	(87) US2022019460 13.10.2022
ARVIS, Vincent	(72) BOUT, Michel	(22) 09.03.2022
MONTAGNER, Julien	MOREAU, Vincent	(54) CLAMP GROUP AND ROUND AXLE WITH ALIGNMENT FEATURES
LHOSPITALIER, Denis	(31) 1903789	(73) Hendrickson USA, L.L.C.
(31) 2103319	(32) 09.04.2019	(72) ROBINSON, Michael, P.
(32) 31.03.2021	(33) France	AUMANN, Richard, J.
(33) France	(51) B60C 23/04	ETTENHOFER, Ryan, M.
(51) B60C 15/02 B60C 15/024 B60B 21/12 B60B 25/04 B60B 25/08 B60B 25/10 B60B 25/12 B60C 3/04 B60C 5/16 B60B 21/10 B60B 7/00	(11) EP4215385 (21) EP23152259.0 (47) 07.05.2025 (22) 18.01.2023 (54) PREDICTING TIRE PRESSURE OF A TIRE OF AN AIRCRAFT	
	(73) Airbus Operations Limited	
	(72) BILL, Andrew	

DUDDING, Ashley, T.	(33) Germany	Hayes, Brian
LINDSAY, Sean, T.	(51) B60J 1/20	LaMothe, Eric
(31) 202163171425 P	B62D 33/06	Zueski, David
(32) 06.04.2021	E06B 9/24	Martin, Robert
(33) United States of America	B60R 1/12	(31) 202117197390
(51) B60G 13/00	B60R 1/04	(32) 10.03.2021
B60G 17/005	(11) EP3929009	(33) United States of America
B60G 17/015	(21) EP20182371.3	(51) B60K 1/02
B62D 61/12	(47) 07.05.2025	B60K 6/36
F16F 9/56	(22) 25.06.2020	B60K 6/44
(11) EP4212366	(54) MOTOR VEHICLE HAVING A	B60K 6/547
(21) EP23151044.7	DARKENING DEVICE COVERING	(11) EP3277532
(47) 07.05.2025	A DISPLAY DEVICE IN CLOSED	(21) EP16715004.4
(22) 11.01.2023	POSITION	(47) 07.05.2025
(54) A LIFTING ARRANGEMENT FOR	(73) VOLVO TRUCK CORPORATION	(87) FR2016050514
LIFTING A WHEEL AXLE OF A	(72) BERNE, Nicolas	06.10.2016
VEHICLE	(51) B60J 7/00	(22) 04.03.2016
(73) VOLVO TRUCK CORPORATION	B60J 1/20	(54) HYBRID POWERTRAIN COMPRISING
(72) Wassenius, Simon	(11) EP4180254	TWO ELECTRIC MOTORS AND ONE
Mattei, Calixthe	(21) EP21207595.6	HEAT ENGINE
Olsson, Anders	(47) 07.05.2025	(73) NEW H POWERTRAIN HOLDING,
Ramachandra, Yogesh	(22) 10.11.2021	S.L.U.
(31) 2250687	(54) ROLLO ASSEMBLY	(72) LASSEUR, Bertrand
PCT/EP2022/050902	(73) Inalfa Roof Systems Group B.V.	EJARQUE, Pascal
(32) 07.06.2022	(72) Custers, Jur Johannes Maria	(31) 1552710
17.01.2022	(51) B60J 7/06	(32) 31.03.2015
(33) Sweden	(11) EP4122731	(33) France
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(11) EP4309929	(54) A COVERING ASSEMBLY FOR	(11) EP4159506
(21) EP23214862.7	VEHICLES, TRAILERS, SEMI-	(21) EP22194513.2
(47) 07.05.2025	TRAILERS AND CONTAINERS	(47) 07.05.2025
(22) 16.03.2022	(73) Cramaro Holding S.p.A.	(22) 08.09.2022
(54) AIR TREATMENT SYSTEM FOR A	(72) Gianazza, Matteo	(54) VEHICLE-BODY STRUCTURE
CLOSABLE ROOM OF A VEHICLE	(31) 202100019436	(73) MAZDA MOTOR CORPORATION
(73) Tesio Cooling Systems S.p.A.	(32) 22.07.2021	(72) Baba, Hiroyuki
(72) CARBONI, Gualtiero	(33) Italy	Inami, Takuma
AGOSTINI, Francesco	(51) B60J 7/16	Nakayama, Nobuyuki
(31) 202100006191	(11) EP4088958	Tanaka, Hiroshi
(32) 16.03.2021	(21) EP22172416.4	(31) 2021183338
(33) Italy	(47) 07.05.2025	2021161834
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B60H 1/00	VEHICLE AND LEISURE VEHICLE	Japan
B60L 1/00	WITH SUCH A REINFORCEMENT	(51) B60K 6/20
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(72) KIM, Tae-Gwon	(73) Zhejiang CFMOTO Power Co., Ltd.	(73) AUTOSTORE TECHNOLOGY AS
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(73) Jaguar Land Rover Limited	(51) B60Q 1/08	SPYCHALA, Jakub
(72) Petrov, Plamen	B60Q 1/12	(31) 102021107589
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(72) Maietti, Ilmer	(51) B60Q 1/08	(31) 102022207167
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(73) Bentley Motors Limited	(72) STAU, Bastian	(11) EP4172006
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(73) Faurecia India Private Limited	(72) Stau, Bastian	(51) B60R 21/015
(72) DUBHASHI, Vinit	Burgsmüller, Henrik	B60R 21/239
DALAVI, Sandeep	Konstanz, Anton	B60R 21/207
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B62J 9/24	(72) DACKERMANN, Tim	RAPID MODULAR CONVERSION
(11) EP4077111	BAUMGAERTNER, Daniel	OF VESSELS, RAFTS, FLOATING
(21) EP20841763.4	(31) 102019205858	GANGWAYS AND BRIDGES
(47) 07.05.2025	(32) 24.04.2019	AND TEMPORARY FLOATING
(87) IB2020062034	(33) Germany	STRUCTURES WITH MULTIPLE
24.06.2021	(51) B63B 1/00	FLOATS, IN PARTICULAR FOR
(22) 16.12.2020	G01V 1/38	AQUATIC EMERGENCIES
(54) STORAGE CONTAINER FOR SADDLE	B63B 49/00	(73) Nieto León, José
RIDING-TYPE VEHICLE	(11) EP4069580	(72) Nieto León, José
(73) Piaggio & C. SpA	(21) EP20841975.4	(31) 201001195
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(51) B62J 17/02	OR MORE MARINE MAMMALS AND	(21) EP23161363.9
B62J 43/30	CORRESPONDING DETECTION	(47) 07.05.2025
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(47) 07.05.2025	(72) L'HER, Christophe	VEHICLE AND SYSTEM FOR
(22) 08.03.2023	(31) 1913810	RECOVERING SUCH AN
(54) STRADDLED VEHICLE	(32) 05.12.2019	UNDERWATER VEHICLE
(73) Yamaha Hatsudoki Kabushiki Kaisha	(33) France	(73) Exail Robotics
(72) HUTOMO, Yoyok	(51) B63B 1/04	(72) KERMORGANT, Hervé
NURJAMAN, Jajang	B63B 1/20	(31) 2202267
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(33) Japan	B63B 1/38	(51) B63B 27/30
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(73) Van Halteren Technologies Boxtel B.V.	(22) 18.03.2022	(72) GARCIA TORAN, Silvia
(72) Schleyer, Markus Nguyen, Quang Huy Erz, Michael Neyer, Daniel	(54) HAULING SYSTEM INVOLVING A CAPTIVE SAIL AND A FLYING MOORING LINE	(72) LINARES VILLEGAS, Mario
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(22) 07.07.2021	(22) 16.03.2022	(51) B64C 25/00 B64D 45/00 H03K 17/00
(54) A MOUNTING DEVICE FOR AN ANTI-FOULING SYSTEM	(54) TETHERED-WING TRACTION SYSTEM COMPRISING A DEVICE FOR GRIPPING FOLDING LINES	(11) EP3599161 (21) EP19188943.5
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(33) United Kingdom	(33) France	(72) WILSON, Frazer FLOURENS, Franck JAMES, Dylan
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(73) Volvo Penta Corporation	(33) United States of America	(51) B64C 25/26 B64C 13/16
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(22) 25.02.2022	(32) 11.10.2018	(73) B/E Aerospace, Inc.
(54) AIRCRAFT SYSTEM	(33) United States of America	(72) FINLAY, Travis
(73) Airbus Operations Limited	(51) B64D 1/22	MILLER, Joshua
Airbus Opérations SAS	B64C 27/08	PUGLISI, Stephen A.
(72) PAYNE, Daren	B64C 39/02	(31) 202017008296
CULLINGHAM, James	B64D 1/12	(32) 31.08.2020
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(47) 07.05.2025	(54) METHOD AND APPARATUS FOR	(73) AMI Industries, Inc.
(22) 29.03.2024	CONTROL OF A SUSPENDED LOAD	(72) HAMPTON, John
(54) PIVOTING LANDING GEAR PROVIDED	(73) Vita Inclinata IP Holdings LLC	MASTROLIA, Bradley
WITH AN IMMOBILISATION SYSTEM	(72) SIKORA, Derek	MCCUMBER, Ronald John
(73) Airbus Helicopters	GOODRICH, Logan	CARSON, Kassidy
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23.02.2023	HAVING A WATER SUPPLY SYSTEM	(11) EP3674218
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(33) Australia	(11) EP4227221	(72) NAKAMURA, Hiroshi
(51) B64C 39/02	(21) EP23155839.6	SASAMOTO, Koichi
B60L 53/12	(47) 07.05.2025	YAGIHASHI, Yasuhiko
H02J 50/20	(22) 09.02.2023	OOI Takahiro
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(73) Searete LLC	(51) B64D 11/06	B64D 27/02
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BOWERS, Jeffrey A.		VEHICLE
ARNSTEIN, Lawrence F.		(73) General Electric Company

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(73) AIRBUS OPERATIONS (72) COMBES, Pierre-Antoine GUENEAU, Germain BERJOT, Michael TAVEAU, Paul-Adrien	(73) Airbus SAS (72) FAROUZ-FOUQUET, Mathias (31) 2002415 (32) 11.03.2020 (33) France	(51) B64U 70/70 B64U 70/97 B64U 10/14 B64U 30/299 B64U 70/99 B64U 80/10
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(11) EP4331976 (21) EP23193383.9 (47) 07.05.2025 (22) 25.08.2023 (54) THRUST GENERATING DEVICE (73) HONDA MOTOR CO., LTD.	(51) B64U 10/60 B64C 39/02 B64C 23/08 B64B 1/52 B64B 1/56 B64F 3/00 F03D 3/00 F03D 5/06	(73) Kosme S.r.l. Unipersonale (72) FORNI, Lorenzo

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(51) B65B 9/12	(54) METHOD AND UNIT TO CUT A WALL	(54) APPARATUS FOR PERFORMING A
B65B 9/20	OF A PACK	PROCESSING OPERATION ON AN
B33Y 80/00	(73) G.D SOCIETA' PER AZIONI	OBJECT
B29C 64/00	(72) ROMAGNOLI, Stefano	(73) G. Mondini SpA
B65B 9/22	FERRARI, Michele	(72) SURACE, Alfonso
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(47) 07.05.2025	(32) 30.11.2021	MONDINI, Paolo Carlo
(22) 05.06.2023	(33) Italy	(31) 202300007875
(54) FORMING DEVICE FOR A PACKAGING	(51) B65B 19/34	(32) 21.04.2023
ASSEMBLY FOR FORMING AND	B65G 47/84	(33) Italy
SEALING A PLURALITY OF PACKAGES	B65B 35/26	(51) B65B 69/00
CONTAINING A POURABLE PRODUCT	B65B 57/14	A61M 1/00
AND PACKAGING ASSEMBLY	B65B 57/16	(11) EP4188812
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BONONI, Massimiliano	(54) PACKING METHOD AND UNIT TO	(54) ROLLING APPARATUS FOR
DIOZZI, Gian-Luca	PACK ARTICLES, IN PARTICULAR	ADVANCING LIQUID THROUGH
JAYARAMAN, Matthew	STRAWS, WITH AUTOMATIC	TUBING
(31) 22178409	REJECTION OF DEFECTIVE ARTICLES	(73) F. Hoffmann-La Roche AG
(32) 10.06.2022	(73) G.D SOCIETA' PER AZIONI	GENENTECH, INC.
(33) European Patent Office (EPO)	(72) GAMBERINI, Giuliano	(72) CATALDO, Pasquale
(51) B65B 11/02	FAZZIOLI, Fabrizio	FRANKMANN, Dennis
B65B 11/04	BALBONI, Gaetano	ASAL, Michael
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(47) 07.05.2025	(33) Italy	SCOTT, Dustin Daniel
(22) 24.11.2021	(51) B65B 43/12	MARKS, Dominik
(54) MACHINE AND METHOD FOR	B65B 43/26	AWEAU, Warren Dana
STABILISING PALLETISED LOADS	B65D 33/00	RUMMEL, Nicholas
(73) A.C.M.I. - Societa' Per Azioni	B65D 33/02	EISELE, Thomas
(72) OPPICI, Giorgio	B65D 75/44	MARINGER, Mirko
MAGRI, Giacomo	(11) EP4196397	COSKUN, Murat
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(33) Italy	(87) DK2021050259	CHAN, Edward
(51) B65B 13/28	17.02.2022	(31) 202063059125 P
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B65B 13/18	BAGS OF DIFFERENT MATERIALS	(51) B65C 3/02
B65B 65/02	(73) Schur Automation A/S	(11) EP3755632
(11) EP4303139	(72) STHAALROS, Ulrik	(21) EP19709248.9
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(72) GROOTES ZIEGLER, Meiert Johan	(33) Germany	(11) EP4178873
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(72) Sytema, Herman	(51) B65D 41/34	(51) B65D 51/28
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(54) SPOUT FOR A CONTAINER AND PACKAGE-SPOUT ASSEMBLY	(54) UNLOSEABLE CAP	(54) PACKAGING SYSTEM FOR AT LEAST ONE PRODUCT PREPARATION COMPONENT, METHOD FOR TRANSFERRING AT LEAST ONE PRODUCT PREPARATION COMPONENT AND METHOD FOR MIXING A MULTI-COMPONENT PRODUCT PREPARATION
(73) Tetra Laval Holdings & Finance S.A.	(73) CAP SUSTAINABLE SOLUTIONS, S.L.U.	(73) Henkel AG & Co. KGaA
(72) VIANI, Tiziano	(72) NICOLAS ROTELLA, Augusto	(72) LOMBARD, Antoine
GORI, Luca	FREIRE VENEGAS, Ignacio	(31) 102019203858
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SORBARA, Angelo	(51) B65D 43/02	(51) B65D 51/28
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(47) 07.05.2025	(54) BIODEGRADABLE SIPLID AND METHOD FOR MANUFACTURING SUCH SIPLID	
(87) EP2022057375	(73) Huhtamaki Molded Fiber Technology B.V.	
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(22) 21.03.2022	NIEMARKT, Christian	
(54) CLOSURE ASSEMBLY FOR A BEVERAGE CONTAINER		

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(51) B65D 55/16 B65D 41/04 B65D 75/58 (11) EP3956237 (21) EP20712886.9 (47) 07.05.2025 (87) EP2020057037 22.10.2020 (22) 16.03.2020 (54) CLOSURE OF A SPOUT (73) Georg Menshen GmbH & Co. KG (72) KÖLSCHKE, Volker WOMMELSDORF, Jan RÖMER, Frank GIERSE, Tim (31) 102019002719 (32) 15.04.2019 (33) Germany	(51) B65D 65/46 C08J 5/12 C08L 7/00 C09J 107/02 C09J 7/38 (11) EP4405267 (21) EP23702881.6 (47) 07.05.2025 (87) GB2023050098 27.07.2023 (22) 19.01.2023 (54) COMPOSTABLE COLDSEAL COHESIVE (73) Sun Chemical B.V. (72) FRINAULT, Thierry MACDONALD, Andrew (31) 202263347586 P 202263300704 P (32) 01.06.2022 19.01.2022 (33) United States of America United States of America	(51) B65D 85/60 B65D 5/66 B65D 85/00 B65D 77/00 B65D 81/24 (11) EP3429941 (21) EP17767277.1 (47) 07.05.2025 (87) US2017022127 21.09.2017 (22) 13.03.2017 (54) PACKAGE FOR CONFECTIONARY PRODUCTS AND METHOD OF PACKAGING (73) Wm. Wrigley Jr. Company (72) THAM, William WETZEL, Erika HOLLYN-TAUB, Justin ALDRIDGE, Allen S. MATULEWICZ, Leonard VRANA, Josef F. ANGELONI, Paul J. MULLER, Peter BARTELS, Ross JAGGI, David CUNNINGHAM, Christopher H. (31) 201615069290 (32) 14.03.2016 (33) United States of America	
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(51) B65G 47/26	(73) Dematic S.R.L.	IMANAKA, Akihito
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Brodén, Jockum	FEED BACK CONDITION BASED	(11) EP3315451
Åhslund, Fredrik	MONITORING	(21) EP17198897.5
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(47) 07.05.2025	(21) EP20939098.8	(54) TRANSPORT HOOK
(22) 05.03.2019	(47) 07.05.2025	(73) Stampfer, Christian
(54) A METHOD FOR CONTROLLING AN	(87) IB2020058444	(72) Stampfer, Christian
ELEVATOR	09.12.2021	(31) 502942020
(73) KONE Corporation	(22) 11.09.2020	102020123514
(72) Calcagno, Alessio	(54) LANDING LEVER ASSEMBLY OF A	(32) 06.04.2020
Siironen, Tapio	PNEUMATIC VACUUM ELEVATOR AND	09.09.2020
Talonen, Tapani	METHOD TO OPERATE THE SAME	(33) Austria
Viita-aho, Tarvo	(73) Babu, Killakathu Ramanathan	Germany
Mikkonen, Janne	(72) Babu, Killakathu Ramanathan	(51) B66C 1/34
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(47) 07.05.2025	(21) EP20214902.7	(73) O'Kane, Joseph
(22) 02.04.2021	(47) 07.05.2025	(72) O'Kane, Joseph
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(73) Kleemann Hellas SA	AND JUMPING METHOD USED IN	(33) United Kingdom
(72) Georgiadis, Georgios	CONSTRUCTION PROCESS OF	(51) B66C 1/42
(51) B66B 5/00	BUILDING	(11) EP4108620
(11) EP4206106	(73) OTIS Elevator Company	(21) EP21181710.1
(21) EP22208168.9	(72) WU, Jianfeng	(47) 07.05.2025
(47) 07.05.2025	CHEN, Ming	(22) 25.06.2021
(22) 17.11.2022	CHEN, Hong	(54) HOISTING APPARATUS
(54) METHOD AND DEVICE FOR	LI, Shan	(73) Reel GmbH
DETECTING ELEVATOR SAFETY	(31) 202010385859	(72) KRUIHOF, Ben
CHAIN	(32) 09.05.2020	(51) B66C 1/42
(73) Otis Elevator Company	(33) China	B66C 1/62
(72) WANG, Shenhong	(51) B66B 23/16	B66C 1/66
LI, Bichun	(11) EP4375226	(11) EP4067283
QI, Fu	(21) EP23199981.4	(21) EP21305418.2
(31) 202210005863	(47) 07.05.2025	(47) 07.05.2025
(32) 04.01.2022	(22) 27.09.2023	(22) 31.03.2021
(33) China	(54) AN AUTOMATIC TRANSPORT DEVICE	(54) A GRIPPING AND CARRYING DEVICE
(51) B66B 5/00	WITH A FIRST AND A SECOND	FOR MOVING A CONTAINER
H04B 17/23	TENSIONING DEVICE	(73) VOLVO TRUCK CORPORATION
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(73) Manitowoc Crane Group France (72) VEILLEROT, Vincent RONI-DAMOND, Bruno	(31) 2102360 (32) 10.03.2021 (33) France	(31) 201962829970 P (32) 05.04.2019 (33) United States of America
(51) B66C 13/12 (11) EP4056517 (21) EP22160133.9 (47) 07.05.2025 (22) 04.03.2022 (54) METHOD FOR DISTRIBUTING ELECTRICAL POWER TO DEVICES OF A CRANE	(31) 102020126401 (32) 08.10.2020 (33) Germany (51) B66F 9/14 (11) EP4201870 (21) EP22215384.3 (47) 07.05.2025 (22) 21.12.2022 (54) A POSITIONING DEVICE FOR POSITIONING FORKS FOR A LIFT TRUCK	(51) B67D 1/00 B67D 1/04 B67D 1/08 (11) EP4304976 (21) EP22714782.4 (47) 07.05.2025 (87) EP2022056328 15.09.2022 (22) 11.03.2022 (54) BEVERAGE PREPARATION MACHINE WITH A LOCKING MEANS AND A COUPLING ELEMENT, AND BEVERAGE PREPARATION SYSTEM
(73) Manitowoc Crane Group France (72) VEILLEROT, Vincent RONI-DAMOND, Bruno	(73) L.T.E. Lift Truck Equipment S.p.A. (72) BONELLI, Giovanni Paolo ZANELLA, Matteo BUZZONI, Marco	(11) EP4304976 (21) EP22714782.4 (47) 07.05.2025 (87) EP2022056328 15.09.2022 (22) 11.03.2022 (54) BEVERAGE PREPARATION MACHINE WITH A LOCKING MEANS AND A COUPLING ELEMENT, AND BEVERAGE PREPARATION SYSTEM
(31) 2102361 (32) 10.03.2021 (33) France	(31) 202100032576 (32) 23.12.2021 (33) Italy	(73) Freezio AG (72) STÖSSER, Gabriel (31) 102021202397 (32) 11.03.2021 (33) Germany
(51) B66D 1/28 B66D 1/74 B66D 1/76 (11) EP4071101 (21) EP22164334.9 (47) 07.05.2025 (22) 25.03.2022 (54) CABLE TENSIONING CAPSTAN ASSEMBLY WITH INDEPENDENTLY ROTATABLE FLANGE	(11) EP3704055 (21) EP18825770.3 (47) 07.05.2025 (87) IB2018058501 09.05.2019 (22) 30.10.2018 (54) AN AUTOMATICALLY-GUIDED VEHICLE PROVIDED WITH FORKS FOR MOVING A SUPPORT STRUCTURE OF TILES	(51) B67D 1/04 (11) EP3774635 (21) EP19720198.1 (47) 07.05.2025 (87) NL2019050215 17.10.2019 (22) 11.04.2019 (54) PRESSURE REGULATING SYSTEM FOR A BEVERAGE CONTAINER AND BEVERAGE CONTAINER PROVIDED THEREWITH
(73) HORNET ACQUISITIONCO, LLC (72) MAHNKEN, Steven D. IJADI-MAGHSOODI, Bejan	(73) SACMI TECH S.p.A. (72) BARDI, Maurizio	(73) Heineken Supply Chain B.V. (72) WAGEMAKERS, Thomas, Theodorus, Nicolaas, Johannes SCHATS, Vincent KNOPPERS, Germán, Enrique DE GROOT, Allard
(31) 202117221997 (32) 05.04.2021 (33) United States of America	(31) 201700123704 (32) 31.10.2017 (33) Italy	(31) 2020756 (32) 12.04.2018 (33) Netherlands
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(73) Jungheinrich Aktiengesellschaft (72) Riedel, Lukas Wetegrove, Ralf Knie, Andreas Richter, Maximilian Bistry, Hannes	(73) Oshkosh Corporation (72) KOTLANGER, Brendan ARCURI, Paul BAFILE, Louis LOMBARDO, David HAO, Jihong	(31) 102020108592 (32) 27.03.2020 (33) Germany
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(73) Freezio AG	(51) B82Y 30/00	(51) C01B 3/50
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(51) B67D 7/76 B01D 29/33 B01D 35/02 B01D 35/15 B67D 7/04 B01D 35/153	(11) EP3690133 (21) EP18861989.4 (47) 07.05.2025 (87) JP2018035193 04.04.2019 (22) 21.09.2018	(22) 19.03.2019 (54) METHOD FOR SEPARATING HYDROGEN FROM GAS MIXTURES (73) Technische Universität Wien (72) MILTNER, Martin HARASEK, Michael LIEMBERGER, Werner
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(51) B82Y 10/00 H01L 29/786 H01L 29/49 H01L 29/423 H01L 29/51 H01L 29/775 H01L 29/06 H01L 29/22 (11) EP4220736 (21) EP23153062.7 (47) 07.05.2025 (22) 24.01.2023	(51) C01B 3/38 B01J 23/46 H01M 8/0612 (11) EP3214039 (21) EP15855017.8 (47) 07.05.2025 (87) JP2015005375 06.05.2016 (22) 27.10.2015	(54) APPARATUS FOR HIGHLY EFFICIENT COLD-PLASMA OZONE PRODUCTION (73) Spielman, Rick B. (72) Spielman, Rick B. (31) 202117168394 (32) 05.02.2021 (33) United States of America
(54) TRANSISTOR (73) SAMSUNG ELECTRONICS CO., LTD. (72) YANG, Jeejeun JUNG, Moonil KIM, Sangwook SHIN, Keunwook KIM, Euntae BYUN, Kyung-Eun	(54) HYDROGEN GENERATION DEVICE, METHOD FOR OPERATING SAME, AND FUEL CELL SYSTEM (73) Panasonic Intellectual Property Management Co., Ltd. (72) NARITA, Satoru OGURA, Hiroki TANAKA, Yoshikazu YASUDA, Shigeki	(54) USE OF THE PURGE GAS OF A FIRST AMMONIA CONVERTER FOR REDUCING THE CATALYST OF A SECOND AMMONIA CONVERTER AND METHOD AND SYSTEM THEREOF (73) Yara International ASA (72) RAMIC, Armin DE GEEST, Hanne VAES, Frederick GHAFFOOR, Faisal (31) 21165492 (32) 29.03.2021 (33) European Patent Office (EPO)
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(32) 10.05.2021	ELLIS, Jeffrey	(73) Wippo, Justin
(33) Italy	SCHEITLIN, Christopher Gordon	Pressley, Richard
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B09C 1/00	TALLARICO, John	(72) Pressley, Richard
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(54) APPARATUS AND METHOD FOR	C02F 3/00	(51) C02F 11/14
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A BODY OF WATER	C02F 1/62	C02F 1/00
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LIANG, Li-Shiang	(47) 07.05.2025	(22) 01.03.2023
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(33) United States of America	(22) 10.08.2022	(73) Owens-Brockway Glass Container INC.
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C02F 1/02	AND WATER-SOLUBLE SALTS AND	TOWNSEND, Casey
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C02F 101/36	AND METHOD OF USE THEREOF AS	(32) 14.03.2022
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PROCESS	(51) C02F 11/02	03.01.2019
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GARBARK, Dan	C02F 11/14	COMPRISSING LOCALISED COOLING
DASU, Kavitha	C02F 1/66	(73) SAINT-GOBAIN GLASS FRANCE
DEJARME, Lindy E.	C02F 3/30	(72) GOBIN, Jérôme
JAMES, Joshua	C02F 101/10	HENNION, Alexandre
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WINECKI, Slawomir	(21) EP19859779.1	(31) 1700693
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MELILLO, Vito	IRVIN, Thomas C.	CHEN, Yan
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(72) XU, Jia	(22) 14.05.2020	GARCEAU, Denis
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YU, Xufen	(73) Shanghai Hansoh Biomedical Co., Ltd.	PAYZA, Kemal
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(54) TYK2 INHIBITORS AND USES THEREOF	China	(72) SHAIKH, Rizwan Shabbir
(73) Takeda Pharmaceutical Company Limited	China	SCHROEDER, Birte
(72) HARRIMAN, Geraldine C.	China	MAITY, Pulakesh
LEIT DE MORADEI, Silvana Marcel	China	ADISECHAN, Ashokkumar
MASSE, Craig E.	<hr/>	(31) 202121009837
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A61K 31/437	(73) Henan Medinno Pharmaceutical Technology Co., Ltd.	(22) 12.08.2021
A61P 35/00	(72) ZHAO, Saisai	(54) JAK INHIBITOR COMPOUND AND USE THEREOF
C07D 401/14	LU, Liang	(73) Henan Medinno Pharmaceutical Technology Co., Ltd.
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(54) METHODS OF PREPARING	(73) Samsung Display Co., Ltd.	C08G 65/325
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(73) GILEAD SCIENCES, INC.	(31) 20192186	A61K 47/68
(72) JOHNSON, Trevor C.	(32) 21.08.2020	A61K 38/00
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(47) 07.05.2025	LABELLED SIALIC ACIDS	(73) Hanmi Pharm. Co., Ltd.
(87) US2022020712	(73) Agilent Technologies, Inc.	(72) KIM, Dong Hyun
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(72) MONDAL, Sayan	A61K 31/565	C07K 14/72
BHAT, Sathesh	A61P 5/26	C07K 16/28
GREENWOOD, Jeremy Robert	A61P 21/06	C07K 16/46
FRYE, Leah	(11) EP4001288	(11) EP4051700
BOS, Pieter Harm	(21) EP20208607.0	(21) EP21856995.2
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KONST, Zef	(22) 19.11.2020	(87) US2021064263
LEVINSON, Adam Marc	(54) PROCESS FOR THE PREPARATION	30.06.2022
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TANG, Haifeng	HAVING A DEFINITE PARTICLE SIZE	(54) NUCLEIC ACIDS ENCODING ANCHOR
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18.03.2021	(72) Brescello, Roberto	INC.
(33) United States of America	Rencurosi, Anna	(72) MASTAITIS, Jason
United States of America	(51) C07J 51/00	MURPHY, Andrew J.
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(33) China	Biochemistry AS CR, V.V.I.	(73) Lonza Ltd.
(51) C07F 5/02	The Johns Hopkins University	(72) ZURDO, Jesús
C07F 7/08	(72) PETERS, Diane E.	BONNAFOUX, Laurence
C09K 11/06	SLUSHER, Barbara	GOMEZ DE LA CUESTA, Ramon
H10K 85/60	RAIS, Rana	ARNELL, Lars Arne Andreas
(11) EP4200305	TENORA, Lukas	DUCRY, Laurent

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(72) ATWELL, Shane DEMAREST, Stephen J. ALDAZ, Hector FRONING, Karen J. KUHLMAN, Brian Arthur LEAVER-FAY, Andrew Philip	(31) 201562248231 P (32) 29.10.2015 (33) United States of America	(72) SIMONELLI, Cecilia BIGIONI, Mario BINASCHI, Monica MERLINO, Giuseppe PELLACANI, Andrea BERTONI, Francesco
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(73) The Governors of the University of Alberta	(54) HYDROGENATED DIENE POLYMER, BALE, RUBBER COMPOSITION, AND TIRE	(54) DISPERSING AGENT FOR SUSPENSION POLYMERIZATION OF VINYL COMPOUND
(72) HOUGHTON, Michael	(73) Asahi Kasei Kabushiki Kaisha	(73) Kuraray Co., Ltd.
HOCKMAN, Darren	(72) MATSUOKA, Daigo	(72) KUMAKI, Yosuke
LOGAN, Michael	YASUMOTO, Atsushi	KUSUDOU, Takeshi
LAW, John, L.	SUMITANI, Shogo	FUJIOKA, Shunsuke
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A23L 29/212	B01J 27/08	C09D 4/00
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(73) Südstärke GmbH	(21) EP18758114.5	09.09.2022
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C08C 19/28	(73) NTP Tec, LLC	(31) 202163157289 P
C08F 236/10	(72) BAXTER, Clyde Edward Jr.	(32) 05.03.2021
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HISAMURA, Kenta	(47) 07.05.2025	(72) GAHLEITNER, Markus
ARAKI, Yoshifumi	(22) 11.10.2023	LESKINEN, Pauli
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C08F 36/04		C09J 9/00
C08K 3/36	(51) C08F 18/04	G03G 9/08
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C08F 220/56	(72) KUROKI, Masakatsu	C08G 18/32
C08F 2/00	YOKOTA, Kiyohiko	C08G 18/28
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(54) PROCESS FOR THE PREPARATION	A61C 5/77	(87) EP2022067548
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AN ECO-FRIENDLY LUBRICANT	A61K 6/893	(22) 27.06.2022
COMPOSITION	C08F 283/00	(54) NONIONICALLY HYDROPHILIC
(73) SNF Group	C08G 18/67	POLYURETHANE DISPERSIONS WITH
(72) FAVERO, Cédric	C08L 75/16	METHACRYLATE DOUBLE BONDS
BOISSE, Nicolas	C08G 18/76	(73) Covestro Deutschland AG
DAGUERRE, Frédéric	(11) EP4098676	(72) GIPPERICH, Ingo
LING, Jing	(21) EP21748021.9	JANSSEN, Petra
BESSENET, Thierry	(47) 07.05.2025	LUDEWIG, Michael
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(51) C08F 222/10	(54) METHOD OF PRODUCING	(33) European Patent Office (EPO)
C08F 265/06	POLYURETHANE-BASED COMPOSITE	(51) C08G 18/38
C09J 4/00	MATERIAL, POLYURETHANE-	G02B 1/04
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C08K 5/3437	MATERIAL FOR DENTAL CUTTING	(21) EP21729335.6
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(22) 27.07.2021	(33) Japan	MATERIAL HAVING A REFRACTIVE
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FOR ANAEROBIC CURABLE	C08G 18/80	LENS AND MANUFACTURING
COMPOSITIONS	C08L 75/04	METHOD
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(72) BIRKETT, David	(11) EP4058497	(72) MARION, Laurie
HABERLIN, Gavin	(21) EP20800136.2	FROMENTIN, Pierre
SWEENEY, Nigel	(47) 07.05.2025	(31) 20315295
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KNEAFSEY, Brendan	COMPRISES A SILANE-BASED	C08J 5/04
DEEGAN, Brian	ADDITIVE AND HAVING IMPROVED	C08G 18/81
CONDRON, David	ADHESION PROPERTIES	C08G 18/10
(31) 202063066980 P	AND MULTILAYER COATINGS	C03C 25/326
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(51) C08F 232/00	(73) BASF Coatings GmbH	C08G 18/28
C08F 212/00	(72) WENKING, Ulrike	C08J 5/08
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(73) Gen-Probe Incorporated	(72) GAMA DE MAGALHAES, Humberto	C22C 38/54
(72) SHAH, Ankur H.	(31) PCT/IB2020/054439	(11) EP4232614
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EATON, Barbara Lynn	H01F 1/16	(22) 20.10.2021
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	ELECTRICAL STEEL STRIP OR SHEET	Italy
(51) C14B 17/14	WITH AN INSULATING COATING	(51) C22C 38/04
B01D 29/01	COMPRISING MAGNETIC NANO-	C22C 38/58
B01D 46/00	PARTICLES, AND CORE STACK	C22C 38/48
(11) EP3992307	PRODUCED THEREFROM	C22C 38/46
(21) EP21204683.3	(73) Tata Steel UK Limited	C22C 38/50
(47) 07.05.2025	(72) MILLS, Christopher Alan	C22C 38/42
(22) 26.10.2021	(51) C21D 9/46	C22C 38/44
(54) SCRUBBER FILTER AND A METHOD	C22C 38/06	C22C 38/02
FOR ITS USE	C21D 1/19	C22C 38/06
(73) GE.MA.TA. S.p.A.	C21D 1/26	C21D 8/02
(72) MAITAN, Gianni	C21D 1/76	C21D 9/46
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(87) IB2020058569	(47) 07.05.2025	DEFORMATION-RESISTANT PIPELINE
24.03.2022	(87) JP2022003321	STEEL AND PREPARATION METHOD
(22) 15.09.2020	09.09.2022	THEREFOR
(54) BLAST FURNACE FOR IRONMAKING	(22) 28.01.2022	(73) Jiangyin Xingcheng Special Steel Works
PRODUCTION	(54) STEEL SHEET, MEMBER, AND	Co., Ltd
(73) ArcelorMittal	METHODS FOR MANUFACTURING	(72) MIAO, Pifeng
(72) SERT, Dominique	THE SAME	ZHU, Jianyang
(51) C21C 1/02	(73) JFE Steel Corporation	XU, Xiaohong
C21C 5/46	(72) HATA, Katsuya	XU, Weiming
C21C 7/00	YOSHIOKA, Shimpei	XU, Guoqing
C21C 7/064	KANEKO, Shinjiro	LIN, Tao
C21C 7/072	(31) 2021032531	JIANG, Changlin
F27D 3/00	(32) 02.03.2021	ZHOU, Haiyan
F27D 3/18	(33) Japan	LI, Guozhong
F27D 27/00	(51) C22C 38/02	BAI, Yun
F27D 3/16	D21F 5/02	(31) 201911245533
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(22) 11.05.2021	F26B 13/14	H01G 4/08
(54) STIRRING METHOD OF LIQUID METAL	F26B 13/18	H01G 4/12
AND ASSOCIATED DEVICE	C22C 38/44	H01G 4/33
	C22C 38/46	(11) EP3412793

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(73) TDK Corporation	(72) BIRTCHEER, Charles Michael	(22) 03.03.2022
(72) CHIHARA, Hiroshi	NEHLESEN, James Patrick	(54) BIPOLAR PLATE FOR A STACK OF A
YAMAZAKI, Junichi	(31) 201615142847	FUEL CELL OR AN ELECTROLYZER
NAGAMINE, Yuki	201562160933 P	TYPE
YAMAZAKI, Kumiko	(32) 29.04.2016	(73) L'AIR LIQUIDE, SOCIETE ANONYME
UMEDA, Yuji	13.05.2015	POUR L'ETUDE ET L'EXPLOITATION
(31) 2016017478	(33) United States of America	DES PROCEDES GEORGES CLAUDE
(32) 01.02.2016	United States of America	(72) ANDRE, Johan
(33) Japan	(51) C23C 28/04	SIRAC, Denis
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C23C 14/02	B22F 7/06	(32) 08.04.2021
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C23C 28/04	C22C 29/08	(51) C25B 1/26
C23C 30/00	B22F 5/00	C25B 1/34
C23C 28/00	(11) EP4006202	C25B 15/02
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SAME	von FIEANDT, Linus	13.09.2018
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SETOYAMA, Makoto	C23F 11/173	HYDROGEN ABATEMENT DURING
TANAKA, Keizo	C23F 11/10	ELECTROCHEMICAL HYPOCHLORITE
YOSHIMURA, Kouhei	C23F 11/08	GENERATION
(31) 2018040875	C02F 5/14	(73) Evoqua Water Technologies LLC
(32) 07.03.2018	C02F 103/02	(72) SHAW, Michael J.
(33) Japan	(11) EP3443141	GRIFFIS, Joshua
(51) C23C 14/34	(21) EP17782835.7	GU, George Y.
C23C 14/35	(47) 07.05.2025	DUKES, Simon Paul
C23C 14/50	(87) US2017024885	(31) 201762469224 P
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G02B 1/10	RUST FORMATION ON METAL	06.03.2017
(11) EP3555341	COMPONENTS IN THE WATER	(33) United States of America
(21) EP17808811.8	SYSTEM	United States of America
(47) 07.05.2025	(73) NCH Corporation	United States of America
(87) EP2017079383	(72) STEIMEL, Lyle H.	(51) C25B 1/28
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(22) 16.11.2017	(31) 201615273158	C25B 1/00
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(33) Germany	C25B 9/77	FUKUDA, Fumio
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C25B 9/00	C25D 7/00	(54) OIL RECOVERY APPARATUS, YARN
C25B 9/23	(11) EP3816325	PROCESSING MECHANISM, AND
C25B 9/60	(21) EP20199116.3	SPUN YARN TAKE-UP APPARATUS
C25B 9/77	(47) 07.05.2025	(73) TMT Machinery, Inc.
C25B 11/032	(22) 29.09.2020	(72) Yonekura, Tosei
C25B 1/23	(54) ACIDIC AQUEOUS SILVER-	(31) 2020153516
C25B 1/27	NICKEL ALLOY ELECTROPLATING	(32) 14.09.2020
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C25B 9/015	(73) DuPont Electronic Materials International,	(51) D01G 9/16
C25B 11/034	LLC	D01G 15/20
C25B 3/07	(72) LIPSCHUTZ, Michael	(11) EP3610059
C25B 1/04	LO, Kin Cheung	(21) EP18717128.5
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METHOD OF DRIVING ELECTROLYSIS	(51) C40B 30/06	(73) Rieter AG
SYSTEM	C40B 50/06	(72) MÜLLER, Christian
(73) KABUSHIKI KAISHA TOSHIBA	C40B 60/12	JELINEK, Pavel
(72) SUGANO, Yoshitsune	C40B 60/14	(31) 5052017
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ONO, Akihiko	G01N 21/25	(33) Switzerland
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C25B 15/00	C12M 1/34	(22) 14.03.2023
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(47) 07.05.2025	G01N 15/10	(73) Rieter AG
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Hachiya, Toshinori	SPECIFIED NUMBER OF CELLS	B65H 63/06
(31) 2018053146	(73) The University of North Carolina at	G01N 21/89
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2017056525	ATTAYEK, Peter, Joseph	COLOR PARAMETERS AND YARN
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(87) IB2022052996	D04H 1/732	LAUNDRY CYCLE
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(22) 31.03.2022	C14B 7/04	(72) SORANA, Luca
(54) TYRE FOR VEHICLE WHEELS	C14B 1/58	MANCINI, Mauro
(73) Pirelli Tyre S.p.A.	C14B 3/00	VOLPOLINI, Paolo
(72) AGRESTI, Simone	C14B 13/00	TURCHI, Stefano
CARACINO, Paola	(11) EP3878981	PISTOLA, Simone
HANEL, Thomas	(21) EP19881285.1	ALTINTAS, Nilsu
RAMPANA, Barbara	(47) 07.05.2025	ANGELINI, Marco
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A43B 1/04	DRY-MANUFACTURING RECYCLED	D06F 58/46
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(72) HIPPI, Stephen	D05C 7/08	(22) 30.03.2021
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WINCEK, Christianna	(21) EP20907865.8	TREATING APPARATUS
ADAMI, Giovanni	(47) 07.05.2025	(73) LG Electronics Inc.
HURD, John	(87) JP2020046654	(72) CHOI, Hongki
CAVALIERE, Sergio	01.07.2021	HWANG, Jeongwon
MOLYNEUX, James	(22) 15.12.2020	(31) 20200121660
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(33) United States of America	(21) EP20210621.7	(22) 11.01.2022
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United States of America	(22) 16.03.2017	MANUFACTURING A LAUNDRY DRUM
United States of America	(54) TUFTING MACHINE AND METHOD OF	WITH POSITIONALLY ACCURATE
(51) D04B 9/40	TUFTING	POSITIONING OF AN EMBOSsing
D05B 23/00	(73) Card-Monroe Corporation	STRUCTURE AND FLOODING HOLES
D05B 33/00	(72) HALL, Wilton	RELATIVE TO EACH OTHER
D05B 33/02	(31) 201715457036	(73) BSH Hausgeräte GmbH
D05B 35/06	201662309489 P	(72) Walter, Thorsten
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(47) 07.05.2025	(33) United States of America	Tillack, Thorsten
(87) EP2021056117	United States of America	(31) 102021200987
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(22) 10.03.2021	D06F 33/69	(33) Germany
(54) APPARATUS AND METHOD FOR	D06F 33/74	(51) D06F 34/18
JOINING AN ANNULAR BAND TO A	D06F 58/22	D06F 34/10
KNITTED ARTICLE COMPRISING A	D06F 58/45	D06F 34/28
BODY	(11) EP4299813	D06F 39/08
(73) Golden Lady Company S.p.A.	(21) EP23181801.4	D06F 37/30
(72) RUSTIONI, Mirco	(47) 07.05.2025	G06N 3/08
DI VINCENZO, Franco	(22) 27.06.2023	D06F 103/46
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(32) 16.03.2020	DRYING LAUNDRY APPLIANCE	(21) EP22749876.3
(33) Italy	HAVING A FILTER CLEANING SYSTEM	(47) 07.05.2025
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(22) 10.01.2022	(22) 06.03.2023	(51) D06F 73/02
(54) WASHING MACHINE AND CONTROL METHOD THEREOF	(54) LAUNDRY CARE APPLIANCE WITH A CONTROLLER AND METHOD FOR OPERATING THE LAUNDRY CARE APPLIANCE	A61L 2/07
(73) Samsung Electronics Co., Ltd.	(73) BSH Hausgeräte GmbH	A61L 2/06
(72) KIM, Kanghyun	(72) Flohe, Daniel	D06F 58/10
KANG, Jeonghoon	Shi, Yi-Chun	D06F 71/29
WOO, Jihyun	Peisert, Katrin	(11) EP4123081
KIM, Hyeoncheol	(31) 102022203316	(21) EP21770668.8
BANG, Eunsuk	(32) 04.04.2022	(47) 07.05.2025
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(32) 02.02.2021	(11) EP4198187	(22) 17.03.2021
(33) Korea (Republic)	(21) EP23155754.7	(54) CLOTHING TREATMENT APPARATUS
(51) D06F 39/02	(47) 07.05.2025	(73) LG ELECTRONICS INC.
A47L 15/44	(22) 19.01.2021	(72) NAM, Bohyun
B65D 47/14	(54) PRESS MEMBRANE FOR DEWATERING LAUNDRY	KIM, Seonkyu
B65D 47/24	(73) Herbert Kannegiesser GmbH	HEO, Junyi
(11) EP4143376	(72) Hildebrand, Jürgen	LEE, Wonjun
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(73) ABUS August Bremicker Söhne KG	(51) E05B 81/02	(72) DORO, Stefano
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(73) Renson Outdoor NV	HUGHES, Doug Anthony	(73) JULIUS BLUM GMBH
(72) VANDENDRIESSCHE, Ruben	STRETCH, Dale Arden	(72) DUER, Stefan
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(21) EP22706765.9	(72) MASUI, Naotsugu	(73) KTM AG
(47) 07.05.2025	HAYASHIDERA, Hitoshi	(72) MAGELE, Martin
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(73) A.P. Møller - Mærsk A/S	(51) F01N 3/20	F28F 9/00
(72) EMBLETON, Mark Patrick	F01N 3/28	B60K 11/04
BAK WEIMAR, Henrik	F01N 13/00	F28F 9/02
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(51) F01M 5/00	(54) EXHAUST TREATMENT SYSTEM FOR WORK VEHICLES AND RELATED FLOW MIXERS	(47) 07.05.2025
F01P 11/08	(73) CNH Industrial Italia S.p.A.	(22) 02.07.2021
F28D 9/00	(72) TAMAMIDIS, Panos	(54) SEALING ELEMENT FOR HEAT EXCHANGERS IN A COOLING MODULE
F01P 11/04	BRAGINSKY, Daniel	(73) Valeo Autosystemy SP. Z.O.O.
F28D 21/00	STOCKER, Noah	(72) NAWROCKI, Mateusz
F28F 27/02	JENNEN, Derek Thomas	GODZINA, Radoslaw
(11) EP3759323	ZURN, Daniel J.	(51) F01P 7/16
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(87) IB2019051499	(32) 20.10.2021	F16K 31/06
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(54) OIL TEMPERATURE CONTROL ASSEMBLY	F01N 9/00	(11) EP4105457
(73) UFI Filters S.p.A.	(11) EP4303410	(21) EP20918766.5
(72) GIRONDI, Giorgio	(21) EP22182726.4	(47) 07.05.2025
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(51) F01M 13/00	(73) VOLVO TRUCK CORPORATION	(54) VALVE UNIT
F01M 13/04	(72) MORENO CRUZ, Jacob Raul	(73) Nippon Thermostat Co., Ltd.
(11) EP4314502	(51) F01P 3/08	(72) FURUYA Takatoshi
(21) EP22711036.8	F01M 1/08	YAJIMA Noriyasu
(47) 07.05.2025	(11) EP3987161	(31) 2020021552
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(47) 07.05.2025	(54) TURBINE HOUSING AND SUPERCHARGER	(72) DUSCHA, Andreas
(22) 02.03.2023		(51) F02C 7/08
(54) ENGINE	(73) Mitsubishi Heavy Industries Marine Machinery & Equipment Co., Ltd.	F02C 7/12
(73) Yanmar Holdings Co., Ltd.	(72) YAGI, Kenji	F01C 1/22
(72) MATSUO, Shinya	SHIRAKAWA, Taiyo	F02B 53/00
HIRAO, Yu	IWASA, Yukihiko	F01C 11/00
(31) 2022036982	TEZUKA, Taiji	F01D 13/00
2022036971	MATSUO, Tetsuya	F02B 29/04
2022036980	YAMASHITA, Masato	F02K 5/00
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(47) 07.05.2025	TESSIER, Ludovic	(73) Pratt & Whitney Canada Corp.
(87) FI2021050226	POMMERY, William	(72) Thomassin, Jean
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(22) 30.03.2021	(32) 20.03.2020	Legare, Pierre-Yves
(54) PRECHAMBER, CYLINDER HEAD AND PISTON ENGINE	(33) France	Julien, Andre
(73) Wärtsilä Finland Oy	(51) F02B 75/26	Lafortune, Serge
(72) LAINE, Jarkko	F01B 3/04	Bolduc, Sebastien
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ERONEN, Olli	(21) EP22382557.1	Berube, Stephane
OJANPERÄ, Ari-Matti	(47) 07.05.2025	Cunningham, Mark
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F28F 27/02	F02C 9/40	F02C 7/12
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(47) 07.05.2025	(22) 17.03.2020	(54) SYSTEM FOR COMBINED AIR-OIL COOLER AND FUEL-OIL COOLER HEAT EXCHANGER
(22) 17.08.2017	(54) GAS TURBINE WATER INJECTION FOR EMISSIONS REDUCTION	(73) General Electric Company
(54) METHOD AND SYSTEMS FOR AN EXHAUST GAS RECIRCULATION COOLER INCLUDING TWO SECTIONS	(73) Siemens Energy Global GmbH & Co. KG	(72) SENNOUN, Mohammed El Hacin
(73) Transportation IP Holdings, LLC	(72) SINGH, Jaskirat	(31) 201514980879
(72) MARSH, Gregory Alan	BERGER, Tyler	(32) 28.12.2015
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F02B 37/00	F02C 9/46	(73) Rolls-Royce plc
F04D 29/42	F02C 3/22	(72) Maguire, Alan
F01D 9/04	(11) EP3862549	(31) 201810528
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(21) EP20938906.3	(47) 07.05.2025	201810526
(47) 07.05.2025	(22) 05.02.2020	(32) 27.06.2018
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F23R 3/30	(73) Bowman Power Group Limited	(73) ArianeGroup GmbH
F23R 3/26	(72) DOUGLAS, Keith	(72) Moritz, Christian
(11) EP4116561	(31) 202005315	Geyer, Marc
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(54) MODEL BASED FUEL-AIR RATIO CONTROL	F02D 41/06	F02M 31/02
(73) RTX Corporation	F02D 41/14	(11) EP4326983
(72) FEULNER, Matthew R.	F02D 41/24	(21) EP22717844.9
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(32) 28.09.2012	(22) 10.03.2021	(73) Englan AS
(33) United States of America	(54) METHOD FOR CORRECTING THE RICHNESS OF AN AIR/FUEL MIXTURE SUPPLYING AN INTERNAL COMBUSTION ENGINE	(72) SØRGÅRD, Karl Viggo
(51) F02C 9/34	(73) Stellantis Auto SAS	(31) 20210481
F02C 7/228	(72) DAMBRICOURT, Frederic	(32) 19.04.2021
F02C 9/54	TROPEE, Martin	(33) Norway
F23R 3/34	POULY, Clement	(51) F02M 29/02
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(21) EP21174831.4	TRAVAILLARD, Cyril	F02M 31/00
(47) 07.05.2025	CHARLETTE, Fabrice	G01F 3/00
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(73) General Electric Technology GmbH	(33) France	B01F 25/313
(72) NATARAJAN, Jayaprakash	(51) F02D 41/06	B01F 27/81
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COOK, Jason Nathaniel	F02D 41/04	F02M 71/00
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(47) 07.05.2025	(33) United States of America	(73) Rabhi, Vianney
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(54) METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE SYSTEM USING HYDROGEN FUEL	F02F 1/08	(31) 2004269
(73) VOLVO TRUCK CORPORATION	F02F 1/16	(32) 29.04.2020
(72) PERSSON, Håkan	(11) EP3864274	(33) France
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(31) 10202111190	INTO THE CYLINDERS OF A LARGE	(11) EP3927957
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(33) Germany	UNIFLOW SCAVENGED INTERNAL	(47) 07.05.2025
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(51) F02M 35/16	ENGINE WITH SUCH FUEL VALVE	27.08.2020
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(21) EP19789826.5	(72) Peter, Hagen	AN IGNITION COIL OF AN INTERNAL
(47) 07.05.2025	(31) PA202370148	COMBUSTION ENGINE AND
(87) US2019053470	(32) 24.03.2023	ELECTRONIC IGNITION SYSTEM
02.04.2020	(33) Denmark	THEREOF FOR DETECTING
(22) 27.09.2019	(51) F02M 63/00	A MISFIRE IN THE INTERNAL
(54) TWO-WHEELED VEHICLE	F16K 31/06	COMBUSTION ENGINE
(73) Indian Motorcycle International, LLC	(11) EP3833865	(73) Eldor Corporation S.p.A.
(72) HEFTI, Severin	(21) EP19768811.2	(72) CARUGATI, Eugenio
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B32B 27/40	F02P 5/04	(73) Andritz Hydro GmbH
B32B 1/08	F02P 5/145	(72) ANDOLFATTO, Loic
B32B 5/02	F02D 35/02	PARKINSON, Etienne
B32B 27/22	F02D 41/14	GERVAIS, Nicolas
B32B 27/30	F02D 41/00	(31) 505402021
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B32B 23/06	(73) Cummins, Inc.	SYSTEM USING TIDAL ENERGY
B32B 23/10	(72) SAMPATHNARAYANAN, Balaji	(73) Lahib, Musbah Ali
(11) EP3272531	BOOTH, Richard, A.	(72) Lahib, Musbah Ali
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AND A FUEL PUMP MODULE FOR	F02P 13/00	F03C 1/30
BIODIESEL FUEL TRANSPORTATION	F02P 15/02	F04B 1/063
(73) Kuraray Co., Ltd.	F02P 15/08	F04B 1/1071
(72) TAZAKI, Go	(11) EP4336039	F04B 1/0413
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(33) Japan	COMBUSTION ENGINE	(54) MULTI PISTON MACHINE WITH
(51) F02M 61/04	(73) Suzuki Motor Corporation	AT LEAST THREE SWITCHABLE
F02M 61/06	(72) KOBAYASHI, Kenichiro	DISPLACEMENT VOLUMES AND A
F02M 61/16	(31) 2022142943	CENTRAL FIRST CONTROL VALVE
F02M 61/18		(73) Robert Bosch GmbH

(72) Praeffcke, Johann	(11) EP4217608	F04B 43/02
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(72) De Figueiredo Maria, Daniel	(72) MEUCCI, Stefano	(54) FLUID-HANDLING CASSETTE ASSEMBLY
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(31) PA202170562	(31) 20200022762	(72) Grant, Kevin L.
(32) 16.11.2021	(32) 28.09.2020	Colburn, Benjamin E.
(33) Denmark	(33) Italy	Doucette, Benjamin J.
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(54) ELECTRICALLY OPERATED LINEAR PUMP	(72) SCHEEPENS, Adrianus Antonius Hubertus	(11) EP4249751
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(87) EP2020077503	LOOSENING PART CAPTURING	F22B 31/00
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(73) Zumtobel Lighting GmbH	Corporation	AND A METHOD FOR OPERATING A
(72) MACHATE, Andreas	China Nuclear Power Engineering Co.,	CIRCULATING FLUIDIZED BED BOILER
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DEVICE	F01K 3/00	FOR AN INSTALLATION FOR THE
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(72) JIANG, Weikai	(21) EP22711227.3	(73) Orano Recyclage
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F21S 43/239	(73) Spirax-Sarco Limited	DIDIERLAURENT, Régis
F21S 43/241	(72) MILLER, Jeremy	HOLLEBECQUE, Jean-François
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(51) F24T 10/13	F24F 1/40	TRANSPORTATION CONTAINER
F24T 50/00	F24F 1/46	(73) Daikin Industries, Ltd.
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(54) AIR-TO-WATER HEAT PUMP SYSTEM	(32) 25.04.2019	CONFECTIONERY
WITH DEFROSTING UNIT AND	22.06.2018	(73) Unilever IP Holdings B.V.
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OPERATION OF THE AIR-TO-WATER	United States of America	KRIEG, Johannes
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(54) CONTAINER FOR STORING AND	(72) CHU, Yunsu	TOYOSHIMA, Masashi
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F25C 5/18	F25B 21/02	REFRIGERATION DEVICE WITH
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F25D 29/00	F25B 21/04	DOMESTIC REFRIGERATION DEVICE
F25D 25/02	F25D 23/02	(73) BSH Hausgeräte GmbH
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Korea (Republic)	YOU, Youngmin	(73) QINGDAO HAIER REFRIGERATOR
Korea (Republic)	BAE, Ilsung	CO., LTD
Korea (Republic)	(31) 20200073937	HAIER SMART HOME CO., LTD.
Korea (Republic)	(32) 17.06.2020	(72) ZHANG, Yanqing
Korea (Republic)	(33) Korea (Republic)	ZHAO, Zhenyu
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Korea (Republic)	F25D 11/02	FEI, Bin
(51) F25D 11/04	(11) EP3978844	ZHU, Xiaobing
F25D 17/06	(21) EP20815526.7	(31) 202010182450
F25B 21/02	(47) 07.05.2025	(32) 16.03.2020
F25D 25/02	(87) CN2020089794	(33) China
F25B 5/02	03.12.2020	<hr/>
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F25B 25/00	(54) REFRIGERATOR COMPRISING A	(11) EP4269918
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(21) EP20776931.6	OR CLOSING AIR PASSAGES	(47) 07.05.2025
(47) 07.05.2025		(22) 18.03.2019
		(54) REFRIGERATOR

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(54) INTEGRATED THERMAL MANAGEMENT UNIT, INTEGRATED THERMAL MANAGEMENT SYSTEM AND VEHICLE	(31) 202016855387 (32) 22.04.2020 (33) United States of America	(51) F42B 12/40 C09K 11/07 F21K 2/06 (11) EP4352449 (21) EP22917637.5 (47) 07.05.2025 (87) US2022032818 27.07.2023
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(73) Valeo Systemes Thermiques-THS (72) DE VAULX, Cédric TISSOT, Julien AZZOUZ, Kamel LISSNER, Michael GARNIER, Sébastien LEBLAY, Patrick	(11) EP4115138 (21) EP21763883.2 (47) 07.05.2025 (87) US2021021255 10.09.2021	(22) 07.06.2021 (54) PROTECTION APPARATUS, SYSTEM AND METHOD FOR DESTRUCTION OF EXPLOSIVES (73) Beijing Institute Of Technology (72) HUANG, Fenglei HUANG, Guangyan GUO, Qingbo LI, Wei LIU, Li BIAN, Xiaobing
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(22) 17.10.2019	(51) G01C 19/5776	AIMO BOOT, Marco
(54) METHOD AND APPARATUS FOR	G01C 19/56	MANTOVANI, Giorgio
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(33) Germany	(54) REGION SEGMENTATION	(54) COMPUTER-IMPLEMENTED METHOD
(51) G01C 15/00	APPARATUS AND METHOD FOR MAP	AND SYSTEM FOR IMPROVING THE
G01C 21/20	DECOMPOSITION OF ROBOT	SIGNAL QUALITY OF SENSOR DATA
G01C 11/02	(73) Miele & Cie. KG	(73) Siemens Aktiengesellschaft
G01C 1/04	Yujin Robot Co., Ltd.	(72) GONUL, Mustafa
G06T 7/30	(72) Park, Seong Ju	KORKMAZ, Erman
G06T 7/20	Kim, Jin Baek	ARDIC SERPEN, Burcu
G06T 7/246	Kim, Chang Soo	MUSLU TASTAN, Gizem
G06T 7/33	Seo, Eong Hyeon	AYVAZOGLU CELIKKOL, Ezgi
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(54) FULLY AUTOMATIC POSITION AND	Korea (Republic)	(21) EP20842516.5
ORIENTATION DETECTION METHOD	(51) G01C 21/28	(47) 07.05.2025
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(73) Hexagon Technology Center GmbH	G01C 25/00	01.07.2021
(72) METZLER, Bernhard	G01P 5/14	(22) 22.12.2020
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(54) TARGET INSTRUMENT AND	INCLUDING BAROMETRIC PRESSURE	(32) 26.12.2019
SURVEYING SYSTEM	SENSORS	(33) United States of America
(73) Topcon Corporation	(73) Aptiv Technologies AG	(51) G01D 5/14
(72) KUMAGAI, Kaoru	(72) Knutson, Eric P.	

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(47) 07.05.2025	MEASUREMENTS OF FLUID	21.04.2022
(22) 16.03.2023	PROPERTIES	(22) 13.09.2021
(54) POSITION MEASURING DEVICE WITH	(73) NEDERLANDSE ORGANISATIE	(54) MODULAR MEASURING DEVICE
PERMANENT MAGNETS	VOOR TOEGEPAST-	(73) Endress+Hauser Flowtec AG
(73) Dr. Johannes Heidenhain GmbH	NATUURWETENSCHAPPELIJK	(72) SCHÜTZE, Christian
(72) HEUMANN, Martin	ONDERZOEK TNO	WERNER, Marc
SCHNEIDER, Johannes	(72) VAN GROENESTIJN, Gert-Jan Adriaan	SCHWENTER, Benjamin
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(54) POSITION MEASUREMENT SYSTEM	(32) 14.12.2018	(11) EP4310462
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(72) KREUZER, Stephan	G01F 1/696	(54) DOSING DEVICE FOR A FLUID
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G01D 18/00	A61M 5/168	(72) Guccini, Fabio
A61B 1/00	(11) EP4392746	(31) 202200006203
G01K 11/3213	(21) EP22720582.0	(32) 29.03.2022
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G01B 11/16	(22) 31.03.2022	B01L 3/02
G02B 6/028	(54) FLOW SENSING DEVICE AND	G01F 11/02
A61B 5/00	METHOD	(11) EP4073476
G01M 11/00	(73) Nvention Ltd	(21) EP20829823.2
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(22) 17.12.2021	(33) United States of America	LIQUID DETECTION FUNCTION,
(54) OPTICAL TRANSFORM	United States of America	COMBINATION OF SUCH A PIPETTING
CHARACTERISATION	(51) G01F 1/684	UNIT AND A PIPETTE TIP, AND
(73) Oxford University Innovation Limited	G01F 1/69	METHOD FOR CAPACITIVELY
(72) TURCOTTE, Raphael	G01F 1/72	DETECTING PIPETTING LIQUID
BOOTH, Martin J.	G01P 13/00	(73) Hamilton Bonaduz AG
FELLS, Julian	G01F 15/00	(72) ETTINGER, Reto
SALTER, Patrick S.	G01F 1/692	GYSEL, Fridolin
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(54) CALIBRATION BRACKET	DIRECTION SENSOR	GAS METER
(73) Autel Intelligent Technology Corp., Ltd.	(73) TSI Incorporated	(73) Natural Gas Solutions North America,
(72) LIU, Lianjun	(72) HASE, Anthony	LLC
ZHANG, Kaikai	CASTAGNETTA, David	(72) Artiuch, Roman Leon
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(73) META PLATFORMS TECHNOLOGIES, LLC	WALTHER, Philip	(54) SPECTACLE LENS AND METHOD FOR PRODUCING THE SAME
(72) SHI, Yu	(51) G02B 30/35	(73) HOYA Lens Thailand Ltd.
SEARS, Jasmine Soria	G02B 5/124	(72) QI, Hua
LEIBOVICI, Matthieu Charles Raoul	G02B 5/128	SONEHARA, Toshiaki
HURNI, Christophe Antoine	(11) EP3553588	(31) 2019117843
WEI, Guohua	(21) EP17878470.8	(32) 25.06.2019
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GOWARD, John	(87) CN2017114851	(51) G02C 7/08
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(33) United States of America	(54) SYSTEM FOR USE IN IMAGEING IN AIR	(21) EP21305833.2
(51) G02B 27/02	(73) Futurus Technology Co., Ltd.	(47) 07.05.2025
G02B 23/18	(72) XU, Junfeng	(22) 17.06.2021
H04N 5/64	FANG, Tao	(54) EYEWEAR FOR A SUBJECT HAVING AN EYE PROVIDED WITH A MYOPIA CONTROL SOLUTION AND ASSOCIATED METHOD
(11) EP4012484	(31) 201711271272	
(21) EP20850235.1	201711269267	
(47) 07.05.2025	201711271270	
(87) JP2020008196	201711270401	
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(22) 27.02.2020	(32) 05.12.2017	
(54) DISPLAY DEVICE	05.12.2017	

(73) ESSILOR INTERNATIONAL	(51) G02F 1/1333	(87) CN2021079991
(72) SPIEGEL, Daniel	B32B 7/023	16.09.2021
GIRAUDET, Guillaume	G02B 5/30	(22) 10.03.2021
(51) G02C 7/08	G02F 1/1335	(54) DISPLAY APPARATUS
G02C 7/10	G02F 1/13363	(73) Chengdu BOE Optoelectronics
G02B 27/01	(11) EP4075187	Technology Co., Ltd.
G06F 3/00	(21) EP20899927.6	BOE Technology Group Co., Ltd.
(11) EP4361709	(47) 07.05.2025	(72) SHANG, Fei
(21) EP22306620.0	(87) JP2020045935	TANG, Qiang
(47) 07.05.2025	17.06.2021	WU, Guoqiang
(22) 26.10.2022	(22) 09.12.2020	ZHU, Yuanzhang
(54) COMPUTER-IMPLEMENTED METHOD	(54) LIQUID CRYSTAL DISPLAY	XIONG, Ren
FOR MODIFYING A CONTROL MODE	PROTECTIVE PLATE	QIU, Haijun
BASED ON USER INPUTS	(73) Kuraray Co., Ltd.	(31) 202010505842
(73) Essilor International	(72) YAMANO, Masaharu	202020318481 U
(72) LE CAIN, Aurelie	OZAWA, Yushi	(32) 05.06.2020
GOURRAUD, Alexandre	TAGA, Sho	13.03.2020
(51) G02C 7/10	(31) 2019223420	(33) China
A61F 9/02	(32) 11.12.2019	China
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(54) METHOD FOR PRODUCING AN	(47) 07.05.2025	(21) EP19803127.0
OPHTHALMIC ELEMENT FOR	(87) CN2018079989	(47) 07.05.2025
STIMULATING A NON-VISUAL	14.02.2019	(87) KR2019005875
PHYSIOLOGICAL EFFECT	(22) 22.03.2018	21.11.2019
(73) Essilor International	(54) TOUCH CONTROL DISPLAY PANEL	(22) 16.05.2019
(72) BURGOS, Montserrat	(73) Beijing BOE Optoelectronics Technology	(54) METHOD OF MANUFACTURING
BARRAU, Coralie	Co., Ltd.	OPTICAL DEVICE
(31) 15307110	BOE Technology Group Co., Ltd.	(73) LG CHEM, LTD.
(32) 22.12.2015	(72) LUO, Xingyou	(72) SEO, Kum Suek
(33) European Patent Office (EPO)	ZHANG, Ruichen	LEE, Beom Jin
(51) G02F 1/015	WANG, Shijun	JEON, Byoung Kun
G02F 1/025	CHEN, Xi	MUN, In Ju
G02F 1/21	XIAO, Wenjun	LEE, Seong Min
(11) EP4396629	(31) 201710675303	(31) 20180056286
(21) EP22754483.0	(32) 09.08.2017	(32) 17.05.2018
(47) 07.05.2025	(33) China	(33) Korea (Republic)
(87) FR2022051427	(51) G02F 1/1335	(51) G02F 1/153
09.03.2023	G03H 1/02	G02F 1/1516
(22) 18.07.2022	G03H 1/22	G02F 1/1514
(54) PHOTONIC CHIP PROVIDED WITH	(11) EP3101468	(11) EP3948414
ONE OR TWO MACH-ZEHNDER	(21) EP16172380.4	(21) EP20784915.9
MODULATORS	(47) 07.05.2025	(47) 07.05.2025
(73) Scintil Photonics	(22) 01.06.2016	(87) IB2020052971
(72) MENEZO, Sylvie	(54) SPATIAL LIGHT MODULATOR	08.10.2020
(31) 2109029	PROVIDING IMPROVED IMAGE	(22) 27.03.2020
(32) 31.08.2021	QUALITY AND HOLOGRAPHIC	(54) ELECTRO-OPTIC SUB-ASSEMBLIES
(33) France	DISPLAY APPARATUS INCLUDING THE	AND ASSEMBLIES HAVING AN
(51) G02F 1/025	SAME	ELECTROCHROMIC GEL LAYER
(11) EP4025957	(73) Samsung Electronics Co., Ltd.	(73) GENTEX CORPORATION
(21) EP20765264.5	(72) AN, Jungkwuen	(72) LIU, Sheng
(47) 07.05.2025	LEE, Hongseok	STEPHENSON, Michael T.
(87) EP2020074410	SUNG, Geeyoung	FORGETTE, Jeffrey A.
11.03.2021	(31) 20150077488	DOZEMAN, Gary J.
(22) 02.09.2020	(32) 01.06.2015	ANDERSON, John S.
(54) AN ELECTRO-OPTIC MODULATOR	(33) Korea (Republic)	SAENGER NAYVER, Mario F.
(73) LiGenTec SA	(51) G02F 1/1345	DENOLF, Garret C.
(72) GEISELMANN, Michael	G02F 1/1333	PETROELJE, Zachary J.
ZERVAS, Michael	H05K 1/14	NEUMAN, George A.
SACCHETTO, Davide	H05K 3/36	(31) 201962826064 P
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G02F 1/1333	G03B 5/00	(73) Ningbo Sunny Opotech Co., Ltd.
(11) EP3707555	G03B 17/17	(72) YUAN, Dongli
(21) EP18808174.9	G03B 30/00	ZHAO, Bojie
(47) 07.05.2025	H04N 23/55	YU, Sisi
(87) US2018059472	H04N 23/57	HUANG, Zhen
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(22) 06.11.2018	(21) EP20875006.7	(31) 201910879872
(54) PRIVACY GLAZING SYSTEM WITH DISCRETE ELECTRICAL DRIVER	(47) 07.05.2025	201910879844
(73) CARDINAL IG COMPANY	(87) KR2020013736	201910879861
(72) BJERGAARD, Eric	15.04.2021	(32) 18.09.2019
DEMIGLIO, Andrew	(22) 08.10.2020	18.09.2019
PETERS, Chad	(54) CAMERA ACTUATOR AND CAMERA MODULE COMPRISING SAME	18.09.2019
(31) 201762582113 P	(73) LG Innotek Co., Ltd.	(33) China
(32) 06.11.2017	(72) LEE, Jae Gwang	China
(33) United States of America	OH, Jun Seok	China
(51) G03B 5/00	KIM, Min Ji	
G03B 17/12	(31) 20190127907	(51) G03B 17/55
G03B 5/02	20190125393	G03B 17/56
G02B 7/02	(32) 15.10.2019	G03B 17/08
H04N 23/58	10.10.2019	H04N 23/52
H04N 23/68	(33) Korea (Republic)	D21F 7/00
H04N 23/55	Korea (Republic)	D21F 5/18
(11) EP4067990	(51) G03B 13/36	(11) EP3951490
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(22) 23.11.2020	G03B 17/17	(22) 18.03.2020
(54) CAMERA ACTUATOR AND CAMERA MODULE COMPRISING SAME	G03B 30/00	(54) MONITORING CAMERA DEVICE
(73) LG Innotek Co., Ltd.	H04N 23/54	(73) Maintech Co., Ltd.
(72) KIM, Chan Joong	H04N 23/55	(72) MURAYAMA, Koji
PARK, Jeung Ook	(11) EP4043954	SAKATA, Hitomaru
JANG, Young Bae	(21) EP20875310.3	SEKIYA, Hiroshi
LEE, Sung Guk	(47) 07.05.2025	(31) 2019065041
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20190157000	15.04.2021	(33) Japan
(32) 18.12.2019	(22) 08.10.2020	(51) G03B 17/56
29.11.2019	(54) CAMERA ACTUATOR AND CAMERA DEVICE INCLUDING SAME	B60R 11/00
(33) Korea (Republic)	(73) LG Innotek Co., Ltd.	G05D 1/00
Korea (Republic)	(72) KWON, Jae Wook	B60R 11/04
(51) G03B 11/04	JANG, Dae Sik	H04N 23/68
G03B 30/00	JEONG, Soo Min	G05D 3/12
G02B 5/00	JANG, Young Bae	G05D 3/20
G02B 27/00	(31) 20200033329	(11) EP3647898
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G02B 7/02	(32) 18.03.2020	(47) 07.05.2025
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(47) 07.05.2025	(51) G03B 17/17	(54) METHOD AND DEVICE FOR STABILIZING IMAGING APPARATUS AT MOTORIZED DEVICE, AND DEVICE
(87) JP2018008741	G03B 30/00	(73) BOE Technology Group Co., Ltd.
29.11.2018	G02B 13/00	(72) YANG, Xiangdong
(22) 07.03.2018	G03B 11/04	WU, Ying
(54) MULTILAYER LIGHT-BLOCKING FILM, AND LIGHT BLOCKING RING FOR OPTICAL EQUIPMENT, LENS UNIT, AND CAMERA MODULE USING SAME	G02B 1/11	(31) 201710514230
(73) Kimoto Co., Ltd.	G02B 5/00	(32) 29.06.2017
(72) NAGAHAMA, Tsuyoshi	G02B 5/20	(33) China
AIHARA, Kyoko	G02B 27/64	(51) G03B 21/20
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(32) 23.05.2017	H04N 23/57	G03B 33/08
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(54) NON-COAXIAL PROJECTION LIGHT SOURCE SYSTEM	C09J 133/06	(72) YAMAMOTO, Takashi
(73) Chengdu Xgimi Technology Co., Ltd	(11) EP3931637	SUGIYAMA, Keisuke
(72) ZHONG, Bo	(21) EP19916784.2	ABE, Kohta
XIAO, Shi	(47) 07.05.2025	TAMAKI, Sachika
YIN, Lei	(87) CN2019076142	SAITO, Shohei
(31) 201910365128	03.09.2020	SETO, Kazuki
(32) 30.04.2019	(22) 26.02.2019	SASAKI, Kei
(33) China	(54) PSA COMPOSITION WITH ULTRA-LOW TEMPERATURE PERFORMANCE	(31) 2024017267
(51) G03B 21/53	(73) Avery Dennison Corporation	2023047016
H04N 9/31	(72) ZHAO, Ke	(32) 07.02.2024
G03B 21/14	YANG, Yurun	23.03.2023
H04N 23/67	(33) Japan	(33) Japan
(11) EP3933501	(51) G03F 7/12	Japan
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(47) 07.05.2025	G03F 7/30	G03G 5/147
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(22) 13.03.2020	(21) EP21158234.1	(11) EP4057072
(54) PROJECTION FOCUSING METHOD AND DEVICE, PROJECTOR, AND READABLE STORAGE MEDIUM	(47) 07.05.2025	(21) EP22160989.4
(73) Chengdu Xgimi Technology Co., Ltd	(22) 19.02.2021	(47) 07.05.2025
(72) NING, Zhong	(54) METHOD AND DEVICE FOR FINISHING FLEXOGRAPHIC DIGITAL PRINTING PLATES	(22) 09.03.2022
XIAO, Shi	(73) SASU VIANORD ENGINEERING	(54) PROCESS CARTRIDGE
WANG, Xin	(72) DE CARIA, Riccardo	(73) CANON KABUSHIKI KAISHA
ZHONG, Bo	(31) 202000003686	(72) WATANABE, Shuntaro
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(32) 26.12.2019	(33) Italy	ISHIDA, Tomohito
(33) China	(51) G03G 9/087	NAKAMURA, Nobuhiro
(51) G03B 37/02	G03G 9/09	HIYAMA, Fumiyuki
G02B 13/02	G03G 9/093	WATANABE, Hiroyuki
G02B 15/14	G03G 9/08	(31) 2021038766
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G03B 13/36	(21) EP21160585.2	(33) Japan
G03B 30/00	(47) 07.05.2025	(51) G03G 15/09
G02B 13/00	(22) 03.03.2021	G03G 15/08
G02B 7/10	(54) FLUORESCENT METALLIC TONERS AND RELATED METHODS	(11) EP4286953
G03B 17/17	(73) Xerox Corporation	(21) EP23197384.3
H04N 23/45	(72) Lu, Chunliang	(47) 07.05.2025
H04N 23/55	JANIS, Jaclyn	(22) 21.05.2015
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(87) IB2022052515	(32) 18.03.2020	(31) 2014106209
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(54) FOLDED CAMERAS WITH CONTINUOUSLY ADAPTIVE ZOOM FACTOR	G03G 9/09	(51) G03G 15/10
(73) Corephotonics Ltd.	(11) EP3882707	G03G 21/00
(72) SHEMESH, Ziv	(21) EP21160582.9	G03G 15/11
DROR, Michael	(47) 07.05.2025	(11) EP3605242
YEDID, Itay	(22) 03.03.2021	(21) EP18775000.5
RUDNICK, Roy	(54) FLUORESCENT LATEXES WITH ENHANCED BRIGHTNESS	(47) 07.05.2025
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(32) 17.01.2022	(11) EP4435523	TAKAMI Shota
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22.03.2021	(47) 07.05.2025	KOJIMA Takehiro
(33) United States of America	(22) 14.03.2024	(31) 2017063729
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(22) 20.10.2023	HOLOGRAPHIC RECORDING	JIN, Zutao
(54) HEATING CONTROL METHOD AND	(73) Endress+Hauser Optical Analysis, Inc.	(31) 201910396859
IMAGE FORMING APPARATUS	(72) Tedesco, James M.	(32) 14.05.2019
(73) Zhuhai Pantum Electronics Co., Ltd.	Britton, Timothy J	(33) China
(72) XIANG, Hongcheng	(31) 201916263298	(51) G05B 13/04
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LI, Ronghua	(51) G03H 1/22	(47) 07.05.2025
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(51) G03G 21/18	(47) 07.05.2025	(54) METHOD FOR OPTIMIZED
(11) EP4068008	(87) EP2020059007	OPERATION OF A FAN OR A FAN
(21) EP20909075.2	08.10.2020	ASSEMBLY
(47) 07.05.2025	(22) 30.03.2020	(73) ZIEHL-ABEGG SE
(87) CN2020131526	(54) METHOD FOR CONSTRUCTING	(72) WENGER, Bjoern
08.07.2021	A DIGITAL HOLOGRAM AND	(31) 102018201709
(22) 25.11.2020	ASSOCIATED DIGITAL HOLOGRAPHY	(32) 05.02.2018
(54) CONSUMABLE CHIP AND CONTROL	SYSTEM	(33) Germany
METHOD THEREFOR, CONSUMABLE,	(73) FONDATION B-COM	(51) G05B 13/04
AND IMAGE FORMING APPARATUS	(72) GILLES, Antonin	G05B 13/02
(73) Zhuhai Pantum Electronics Co., Ltd.	GIOIA, Patrick	(11) EP4483245
(72) WANG, Bo	(31) 1903649	(21) EP23844378.2
YIN, Aiguo	(32) 05.04.2019	(47) 07.05.2025
LI, Haixiong	(33) France	(87) JP2023046053
(31) 201911416044	(51) G04B 29/04	10.10.2024
(32) 31.12.2019	G04B 35/00	(22) 15.12.2023
(33) China	G04B 29/02	(54) SYSTEM AND METHOD FOR
(51) G03G 21/18	(11) EP3825783	CONTROLLING AN OPERATION OF A
(11) EP4033305	(21) EP19211102.9	VAPOR COMPRESSION CYCLE
(21) EP22162001.6	(47) 07.05.2025	(73) MITSUBISHI ELECTRIC
(47) 07.05.2025	(22) 25.11.2019	CORPORATION
(22) 27.06.2018	(54) MECHANISM FOR ADJUSTING A	(72) LAUGHMAN, Christopher
(54) POWER RECEIVING UNIT, ROTATING	TIMEPIECE BRIDGE	CHINCHILLA, Raphael
COMPONENT, PROCESS CARTRIDGE,	(73) ETA SA Manufacture Horlogère Suisse	CHAKRABARTY, Ankush
AND ASSEMBLY AND DISASSEMBLY	(72) KAELIN, M. Laurent	DESPANDE, Vedang
METHODS THEREOF	(51) G04G 9/00	(31) 202318295142
(73) Ninestar Corporation	(11) EP4252081	(32) 03.04.2023
(72) LIANG, Qijie	(21) EP21819845.5	(33) United States of America
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LUO, Lai	(87) EP2021083122	G05B 19/418
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201720777257 U	TWO CONSECUTIVE EVENTS AND/OR	16.02.2023
(32) 23.05.2018	ACTIONS TO BE PERFORMED	(22) 08.08.2022
17.04.2018	(73) neuroTime GmbH	(54) COMPUTER-IMPLEMENTED METHOD
31.01.2018	(72) Strieffler, Christian	AND ORCHESTRATION SYSTEM TO
11.09.2017	Nikodemus, Manuel	ORCHESTRATE CONFIGURATIONS
30.06.2017	Müller-Remus, Dirk	OF SIMULATIONS BASED ON DIGITAL
(33) China	Schepers, Jan	TWIN MODELS OF MODULAR PLANTS
China	(31) 102020131601	(73) Siemens Aktiengesellschaft
China	(32) 30.11.2020	(72) BOTERO HALBLAUB, Andrés
China	(33) Germany	HELD, Harald
China	(51) G04G 17/04	GÖTZ, Jan
(51) G03H 1/04	G04G 17/08	(31) 21190289
G11B 7/0065	G09F 9/30	(32) 09.08.2021
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G03H 1/22	(11) EP3971658	(51) G05B 19/042
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(47) 07.05.2025	(87) CN2019118107	(21) EP21746018.7
(22) 10.01.2020	19.11.2020	(47) 07.05.2025
(54) SYSTEM AND METHOD FOR LIMITING	(22) 13.11.2019	(87) EP2021070014
THE EFFECTIVE COHERENCE	(54) WEARABLE APPARATUS	03.02.2022
	(73) Guangdong Genius Technology Co., Ltd.	(22) 16.07.2021

(54) METHOD FOR EXTENDING THE OPERATING FUNCTIONALITY OF A FIELD DEVICE IN THE FIELD OF AUTOMATION TECHNOLOGY FROM ONE OPERATING DEVICE TO AT LEAST ONE OTHER OPERATING DEVICE	(31) 2017174455 (32) 12.09.2017 (33) Japan	(33) Japan
(73) Endress+Hauser Process Solutions AG	(51) G05B 19/418 (11) EP4060438 (21) EP21163544.6 (47) 07.05.2025	(51) G05D 1/00 (11) EP4217810 (21) EP20781354.4 (47) 07.05.2025 (87) EP2020076970 31.03.2022
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(31) 102020120297 (32) 31.07.2020 (33) Germany	(73) Bühler GmbH (72) RAUCHHOLZ, Sascha ARLITT, Mario	(73) ABB SCHWEIZ AG (72) KONTAXAKIS, Polychronis
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G06N 3/08	12.11.2020	02.04.2020
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Company Limited	(51) G06T 7/00	(11) EP3662407
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OBJECT	18.10.2018	05.08.2021
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(33) United States of America	(33) Japan	VEHICLE THEREFOR
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(72) MAYR, Gregor	Miwa, Kenichi	G08G 1/16
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PARK, Hyunae	(72) LEE, Ji Hye	MILLWARD, Timothy, c/o Nerudia Limited
IN, Yunkyong	KIM, Jong Hee	(51) G10L 15/22
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GRILL, Bernhard	(51) G10L 21/038	(54) SENSE AMPLIFIER, STORAGE
MULTRUS, Markus	G10L 19/00	DEVICE AND READING AND WRITING
HERRE, Jürgen	G10L 19/18	METHOD
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(72) TRUESSEL, Dominik  
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IMAGE SENSORS	United States of America	WICKERSHAM, Charles
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(73) Seoul Viosys Co., Ltd	(72) CHEN, Hong	(72) ROELING, Erik
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YANG, Jihye	C09D 151/00	TYPE
PARK, Soojin	(11) EP3716377	(73) L'AIR LIQUIDE, SOCIETE ANONYME
RYU, Jaegwon	(21) EP19840537.5	POUR L'ETUDE ET L'EXPLOITATION
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B60L 50/64	APPLIED	H01M 8/0258
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H01M 4/02	(72) YOON, Sung Soo	H01M 8/04029
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(21) EP19713881.1	KWON, Sujee	H01M 8/242
(47) 07.05.2025	YOON, Jeongae	H01M 8/0273
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(54) FUEL CELL AND FUEL CELL STACK COMPRISING SAME	(54) METHOD FOR OPERATING A FUEL CELL SYSTEM, AND FUEL CELL SYSTEM	Bae, Tae Hyon
(73) LG CHEM, LTD.	(73) Robert Bosch GmbH	Lee, Harim
(72) KIM, Woon Jo	(72) BRAUN, Jochen	Son, Seunghyeon
PARK, Joo Yong	(31) 102020202283	(31) 20220107153
KIM, Do Young	(32) 21.02.2020	(32) 25.08.2022
YUN, Sung Hyun	(33) Germany	(33) Korea (Republic)
YANG, Jae Choon	(51) H01M 10/00	(51) H01M 10/0525
KANG, Kyung Mun	(11) EP3939105	H01M 50/403
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(47) 07.05.2025	(72) ELISON, Nicholas E.	(73) Prologium Holding Inc.
(22) 13.03.2023	DEKEUSTER, Richard M.	Prologium Technology Co., Ltd.
(54) HYDROGEN-FUELLED AIRCRAFT POWER SYSTEM	(51) H01M 10/052	(72) YANG, Szu-Nan
(73) Rolls-Royce plc	H01M 10/0587	(31) 109112320
(72) Tacconi, Jacopo	H01M 10/04	(32) 13.04.2020
Palmer, Chloe Jo	H01M 50/107	(33) Taiwan, Chinese Taipei
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(87) EP2021063675	(22) 06.09.2019	Universiteit Hasselt
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(22) 21.05.2021	(73) Apple Inc.	VAN BAEL, Marlies
(54) HEAT EXCHANGER SYSTEM FOR OPERATING A FUEL CELL STACK	(72) BALARAM, Haran	DE SLOOVERE, Dries
(73) Robert Bosch GmbH	CHEUNG, Gerald K.	VEREECKEN, Philippe
(72) KEMMER, Helerson	SHIU, Brian K	(51) H01M 10/0562
BRAUN, Jochen	PASMA, Christopher R.	H01M 4/134
(31) 102020206918	LIU, Junhua	H01M 4/36
(32) 03.06.2020	(31) 201816211433	H01M 4/66
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(54) ELECTROCHEMICAL SYSTEM COMPRISING AN ELECTROCHEMICAL REACTOR, A THERMAL CONTROL DEVICE AND AN INERTING DEVICE	(11) EP4329030	(73) TOYOTA JIDOSHA KABUSHIKI KAISHA
(73) Commissariat à l'Energie Atomique et aux Energies Alternatives	(21) EP23178586.6	(72) YAMANO, Yuhi
(72) MORIN, Benoît	(47) 07.05.2025	(31) 2020201134
PINTON, Éric	(22) 12.06.2023	(32) 03.12.2020
(31) 2200024	(54) ELECTROLYTE FOR RECHARGEABLE LITHIUM BATTERY AND RECHARGEABLE LITHIUM BATTERY INCLUDING THE SAME	(33) Japan
(32) 03.01.2022	(73) Ulsan National Institute of Science and Technology (UNIST)	(51) H01M 10/058
(33) France	Samsung SDI Co., Ltd.	H01M 10/04
(51) H01M 8/04089	(72) Kim, Sanghyung	H01M 50/116
H01M 8/04111	Choi, Nam-Soon	H01M 50/317
H01M 8/0438	Yu, Arum	H01M 50/30
(11) EP4107805	Kim, Saehun	H01M 4/04
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		(54) PRESSING JIG FOR REMOVING GAS TRAP AND METHOD FOR

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(73) LG Energy Solution, Ltd.	(73) Henkel AG & Co. KGaA	(32) 27.11.2017
(72) BAE, Joon Sung	(72) Kreiskoether, Kim Dana	(33) China
LEE, Beom Koon	Franken, Uwe	(51) H01M 10/613
HONG, Suk Hyun	Lee, Keon Woo	H01M 10/617
LEE, Eui Kyung	Lammerschop, Olaf	H01M 10/625
KIM, Sang Jih	(51) H01M 10/42	H01M 10/633
BAE, Dong Hun	G01R 31/385	H01M 10/663
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H01M 50/103	(47) 07.05.2025	(54) METHOD FOR COOLING A TRACTION BATTERY OF AN ELECTRICALLY POWERED VEHICLE
H01M 50/119	(87) FR2023051110	(73) VOLKSWAGEN
H01M 50/176	25.01.2024	AKTIENGESELLSCHAFT
H01M 50/538	(22) 18.07.2023	(72) Albrecht, Jan-Christoph
H01M 50/597	(54) APPARATUS AND METHOD FOR INSPECTING A SECONDARY CELL	Wachsmuth, Carsten
(11) EP3588617	(73) Verkor	Schaar, Bastian
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(54) SECONDARY BATTERY	(33) France	(11) EP4285433
(73) Samsung SDI Co., Ltd.	(51) H01M 10/42	(21) EP22703572.2
(72) KIM, Sung Hoon	H01M 10/04	(47) 07.05.2025
LEE, Dong Hyun	G01R 31/385	(87) EP2022051549
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KIM, Byoung Kuk	G01R 19/165	(22) 25.01.2022
KIM, Hyung Sik	(11) EP4120428	(54) STORAGE CELL FOR AN ELECTRICAL ENERGY STORE HAVING CELL-INTERNAL HEATING, AND BATTERY FOR A MOTOR VEHICLE
KIM, Kwang Soo	(21) EP22752933.6	(73) Bayerische Motoren Werke
SEO, Won Sub	(47) 07.05.2025	Aktiengesellschaft
(31) 20170023769	(87) KR2022001818	(72) NUERNBERGER, Simon
(32) 22.02.2017	18.08.2022	ANTWERPEN, Korbinian
(33) Korea (Republic)	(22) 07.02.2022	DANDL, Sonia
(51) H01M 10/42	(54) DEVICE FOR INSPECTING FOR ELECTRODE ASSEMBLY DEFECTS BEFORE ELECTROLYTE INJECTION AND DEFECT INSPECTION METHOD THEREFOR	(31) 102021101804
G01R 31/36	(73) LG Energy Solution, Ltd.	(32) 27.01.2021
H01M 10/48	(72) YOO, Jae Woong	(33) Germany
H01M 10/052	SHIN, Sun Yong	(51) H01M 10/617
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(54) METHOD AND APPARATUS FOR TESTING SECONDARY BATTERY INTERNAL SHORT AND SECONDARY BATTERY USED THEREFOR	G01R 31/382	H01M 10/6557
(73) LG Energy Solution, Ltd.	H02J 7/00	H01M 10/6568
(72) KIM, Soo-Han	(11) EP3719914	H01M 50/213
YOON, Dong-Sik	(21) EP18881443.8	H01M 10/6554
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G01R 31/385	(54) METHOD FOR MOBILE TERMINAL-BASED DISPLAY OF BATTERY PACK INFORMATION AND MOBILE TERMINAL	(47) 07.05.2025
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(22) 13.03.2023		(54) THERMAL MANAGEMENT PART, BATTERY, AND ELECTRICAL DEVICE
(54) TEST STAND WITH TEMPERATURE SENSORS FOR EVALUATING A MATERIAL INTENDED FOR USE IN A		(73) Contemporary Amperex Technology (Hong Kong) Limited

(72) LI, Xiang WANG, Shoulong XIAO, Ting HUANG, Xiaoteng	H01M 50/553 H01M 10/04 H01M 10/0587 H01M 50/531	(73) LG ENERGY SOLUTION, LTD. (72) MOON, Jeong Oh JIN, Hee Jun CHI, Ho June KIM, Kyung Woo PARK, Jhin Ha PARK, Jin Yong
(51) H01M 10/6554 H01M 10/658 H01M 50/233 H01M 50/258	H01M 50/555 H01M 10/052 H01M 50/242	(31) 20200113871 (32) 07.09.2020 (33) Korea (Republic)
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(22) 24.05.2022	(33) Korea (Republic)	H01M 50/176
(54) BATTERY CELL AND BATTERY	(51) H01M 50/40	H01M 10/058
MODULE INCLUDING THE SAME	H01M 50/409	(11) EP4415154
(73) LG Energy Solution, Ltd.	H01M 50/446	(21) EP23218199.0
(72) SONG, Dae-Woong	H01M 50/451	(47) 07.05.2025
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KIM, Sang-Hun	(21) EP20947109.3	(54) END COVER ASSEMBLY,
HWANG, Soo-Ji	(47) 07.05.2025	ENERGY-STORAGE DEVICE, AND
YU, Hyung-Kyun	(87) CN2020117854	ELECTRICITY-CONSUMPTION DEVICE
LIM, Hun-Hee	03.02.2022	(73) Hithium Tech HK Limited
(31) 20210066462	(22) 25.09.2020	(72) XIONG, Yongfeng
(32) 24.05.2021	(54) SEPARATOR, ELECTRICAL	CHEN, Jinqiang
(33) Korea (Republic)	APPARATUS CONTAINING SUCH	XU, Weidong
(51) H01M 50/30	SEPARATOR, AND PREPARATION	(31) 202310091044
H01M 50/533	METHOD THEREOF	(32) 09.02.2023
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H01M 50/55	(Hong Kong) Limited	
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(47) 07.05.2025	CHENG, Cong	(11) EP4178028
(22) 22.12.2023	LIU, Na	(21) EP21933486.9
(54) ENERGY STORAGE DEVICE AND	TIAN, Jiarui	(47) 07.05.2025
POWER CONSUMING DEVICE	OUYANG, Chuying	(87) CN2021109911
(73) Hithium Tech HK Limited	SU, Shuojian	02.02.2023
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CHEN, Jinqiang	(33) China	ELECTRICAL DEVICE, AND
(31) 202310091057	(51) H01M 50/533	MANUFACTURING METHOD AND
(32) 09.02.2023	H01M 50/54	DEVICE FOR BATTERY CELL
(33) China	H01M 50/202	(73) Contemporary Amperex Technology
(51) H01M 50/367	H01M 50/55	(Hong Kong) Limited
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(54) BATTERY FIRE PREVENTION	(54) POWER STORAGE DEVICE	(51) H01P 1/00
SYSTEM, AND METHOD FOR	(73) Prime Planet Energy & Solutions, Inc.	G01R 27/32
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(72) SCHNEIDER, Paul	(51) H01M 50/548	(47) 07.05.2025
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(33) Germany	(11) EP4184705	(54) METHOD FOR DETERMINING
(51) H01M 50/383	(21) EP21953017.7	CONTACT OR CONNECTION STATE,
H01M 50/358	(47) 07.05.2025	AND INFORMATION PROCESSING
H01M 50/249	(87) CN2021121995	DEVICE
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(21) EP21917939.7	ELECTRICAL APPARATUS, AND	SAKAMAKI Ryo
(47) 07.05.2025	MANUFACTURING METHOD AND	(31) 2020208189
(87) KR2021019894	DEVICE FOR BATTERY CELL	(32) 16.12.2020
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(22) 24.12.2021	(Hong Kong) Limited	(51) H01Q 1/00
(54) BATTERY MODULE, BATTERY PACK,	(72) LI, Baiqing	H01Q 1/02
AND VEHICLE	LIU, Qiang	H01Q 1/12
(73) LG Energy Solution, Ltd.	ZHANG, Xiaowen	H01Q 1/44
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(73) AGC Flat Glass North America, Inc. AGC Glass Europe AGC Vidros do Brasil Ltda AGC Inc.	(51) H01Q 1/38 H01Q 5/357 H01Q 9/04 H01Q 21/28 H01Q 21/30	(73) Rohde & Schwarz GmbH & Co. KG (72) KLINGER, Jens PRICK, Joachim EINHAUS, Michael WÜNSCHE, Robert
(72) YOUSEFBEIKI, Mohsen (31) 19154766	(11) EP3883060 (21) EP19885746.8	(51) H01Q 15/08 H01Q 15/10 H01Q 19/06
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(51) H04L 5/00	(72) COURINGTON, Jeffrey	(31) 202111047216
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(73) Centripetal Limited	(31) 102021106823	(51) H04L 9/40
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(73) JPMorgan Chase Bank, N.A.	CARCANO, Andrea	SCHWAN, Matthias
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DEVICE, AND DRIVING METHOD FOR	(73) BNSF Railway Company	MEDIUM FOR PROCESSING VIDEO
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(73) BOE Technology Group Co., Ltd.	KRUEGER, Darrell, R.	(72) Giladi, Alexander
(72) WANG, Pengpeng	(31) 202016816525	Grois, Dan
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DING, Xiaoliang	H04N 19/159	H04N 19/167
MA, Yuanyuan	H04N 19/50	H04N 19/96
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(72) ZHAO, Zhijie GAO, Han ESENLIK, Semih WANG, Biao CHEN, Jianle	H04N 19/196 H04N 19/53 H04N 19/54 H04N 19/513	(73) YAMZZ IP (72) BRUYN, Yorick CHUDIK, Martin
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PETERSEN, Svend Oscar	THEREOF	(72) GROSSMANN, Marcus
LARSEN, Jan Thor Lunddahl	(73) Samsung Electronics Co., Ltd.	ALAWIEH, Mohammad
KIEMER, Niels Stubager	(72) HWANG, Inwoo	VARATHARAJAN, Sutharshun
PETERSEN, Anders Erik	KIM, Kibeom	(31) 21166802
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(22) 28.12.2018	(54) AUDIO SIGNAL PROCESSING	(54) PEER-TO-PEER NETWORKING
(54) CABLE FOR A RECEIVER-IN-CANAL	METHOD	INTERFERENCE REMEDIATION
HEARING DEVICE	(73) Areal BV	(73) Cisco Technology, Inc.
(73) Tourtelotte, Davi	(72) VOORTMAN, Arno	(72) HENRY, Jerome
Starkey Laboratories, Inc.	DOMS, Pieter	BARTON, Robert, Edgar
Higgins, Sidney A.	(31) 202105604	DESAI, Vishal, Satyendra
(72) TOURTELOTTE, Davi	(32) 30.07.2021	GANDHI, Indermeet, Singh
HIGGINS, Sidney A.	(33) Belgium	(31) 201916365030
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(51) H04R 25/00	H04W 36/00	H04L 12/14
H01Q 1/27	H04W 36/32	H04M 15/00
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(21) EP22183333.8	H04W 4/46	(21) EP20787012.2
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(54) A HEARING DEVICE TO BE WORN AT	(47) 07.05.2025	15.10.2020
LEAST PARTLY BEHIND AN EAR OF	(87) CN2017094824	(22) 30.03.2020
AN USER	01.03.2018	(54) RESOURCE CHARGING METHOD,
(73) Oticon A/S	(22) 28.07.2017	MEC MANAGEMENT SYSTEM AND
(72) TROELSEN, Jens	(54) MOBILITY MANAGEMENT METHOD,	MEC HOST
RYBALKO, Oleksandr	NETWORK SIDE DEVICE, INTERNET-	(73) Huawei Technologies Co., Ltd.
SØ, Rune	OF-VEHICLES TERMINAL, AND	(72) FENG, Jiangping
THOUGAARD, Morten	SYSTEM	(31) 201910289988
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(32) 13.07.2021	(72) WANG, Yaying	(33) China
(33) European Patent Office (EPO)	DING, Jianfeng	(51) H04W 4/70
(51) H04R 25/00	LV, Yong	H04W 4/02
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(54) METHOD AND DEVICE FOR GENERATING A SIGNAL IN A NETWORK OF CONNECTED OBJECTS	H04L 67/125 H04L 9/00 H04L 12/28	(54) WIRELESS COMMUNICATION METHOD AND ELECTRONIC DEVICE FOR PROVIDING SAME
(73) ORANGE	H04W 24/00	(73) Samsung Electronics Co., Ltd.
(72) KOUNTOURIS, Apostolos	H04W 84/12	(72) CHOI, Jongmu
LAMPIN, Quentin	H04W 84/18	KWON, Jaecheol
SURBAYROLE, Philippe	H04W 84/20	LEE, Seungjae
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H04W 4/80	(73) Carrier Corporation	LIM, Yeunwook
H04W 4/14	(72) SAVALIYA, Rohit Gordhanbhai	(31) 20150162372
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(21) EP18164589.6	H04W 48/18	(47) 07.05.2025
(47) 07.05.2025	(11) EP4014577	(87) IB2021056998
(22) 28.03.2018	(21) EP20757675.2	03.02.2022
(54) METHOD FOR MANAGING AND CONTROLLING EXTERNAL IOT DEVICE AND ELECTRONIC DEVICE SUPPORTING THE SAME	(47) 07.05.2025	(22) 30.07.2021
(73) Samsung Electronics Co., Ltd.	(87) IB2020057522	(54) DYNAMIC USER EQUIPMENT IDENTIFIER ASSIGNMENT
(72) CHOI, Gyu Cheol	25.02.2021	(73) Lenovo (Singapore) Pte. Ltd.
SONG, Yoe Chan	(22) 10.08.2020	(72) KARAMPATISIS, Dimitrios
KIM, Hae Na	(54) BOOTSTRAPPING SERVICE FOR NRF AND NSSF	BASKARAN, Sheeba Backia Mary
KIM, Han Jib	(73) TELEFONAKTIEBOLAGET LM	KUNZ, Andreas
CHOI, Bo Kun	ERICSSON (PUBL)	(31) 202063059839 P
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LEE, Joon Hwan	CASTELLANOS ZAMORA, David	(33) United States of America
KIM, Nam Jin	HALLENSTÄL, Magnus	(51) H04W 12/033
KIM, Tae Jun	ZHANG, Xinyu	H04L 9/40
WOO, Sung Yeon	(31) 201962887784 P	H04L 67/141
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(32) 29.03.2017	(51) H04W 8/18	(47) 07.05.2025
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(51) H04W 4/80	(21) EP22716607.1	(54) DATA TRANSMISSION METHOD, USER EQUIPMENT, AND CONTROL PLANE NODE
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(47) 07.05.2025	(54) MOBILITY IN NON-PUBLIC NETWORKS	(51) H04W 12/06
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(73) Huawei Technologies Co., Ltd.	TALEBI FARD, Peyman	(87) US2018047230
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(22) 01.11.2016	H04L 43/04	(73) Panasonic Intellectual Property
(54) INITIAL SETUP AND CONFIGURATION	H04W 24/10	Corporation of America
OF WIRELESS-ENABLED DEVICE FOR	H04W 84/12	(72) IWAI, Takashi
WIRELESS NETWORK ACCESS	H04L 43/08	SUZUKI, Hidetoshi
(73) Google LLC	(11) EP4463990	YAMAMOTO, Tetsuya
(72) MCKELLAR, Ian Loic	(21) EP22835808.1	LI, Hongchao
IRZAK, Olga	(47) 07.05.2025	(31) 2018144982
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KAPLAN, Rapheal	(22) 15.12.2022	(51) H04W 28/08
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H04L 41/0896	MONITORING RESOURCES OF A	DETECTION OF HIDDEN
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(11) EP4437750	(72) PAUL, Manuel	(73) Samsung Electronics Co., Ltd.
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NETWORK AND CONFIGURATION OF	H04L 1/1825	(33) Korea (Republic)
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company	H04W 72/56	(21) EP20793449.8
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(22) 09.07.2019	(72) NI, Chunlin	(73) Huawei Technologies Co. Ltd.
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(73) Guangdong Genius Technology Co., Ltd.	(31) 201910262781	GENG, Tingting
(72) LIU, Pengfei	(32) 02.04.2019	(31) 201910351204
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		BARON, Stéphane
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CHANDRASHEKAR, Subramanya	(22) 23.03.2021	KAWASAKI, Yudai
KOZIOL, Dawid	(54) METHOD OF INITIAL ACCESS IN	KUGE, Yoko
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DEVICE	22.08.2019	UU AND SIDELINK INTERFACES
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(72) FAN, Jiangsheng	OF A MOBILE STATION	KUMAR, Mukesh
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(54) NETWORK SELECTION METHOD AND	H04W 88/06	G01S 7/02
APPARATUS, DEVICE AND STORAGE	H04W 4/40	(11) EP4202488
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(33) Italy	(72) Ikegaya, Yuji	(73) d'Anglade, Pierre-Michel
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KANDULA, Phani Kumar	STUART, Bradley Vincent	(11) EP4296842
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(73) Intel Corporation	UBERTI, David Erwan Damien	(47) 19.03.2025
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(73) THALES DIS FRANCE SAS	CHENG, Wenhua	United States of America
(72) VIGILANT, David	CHEN, Yurong	United States of America
COULON, Jean Roch	XU, Lin	United States of America
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GEOMETRY GENERATOR FOR	G11C 29/48	YOON, Junggho
STRIPE-SHAPED OBJECTS	G11C 29/08	CHO, Youngjin
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(72) Kirchner-Gellert, Andreas	(73) Samsung Electronics Co., Ltd.	(72) CHEN, Jianle
Lungwitz, Matthias	(72) SON, Pilchang	HENDRY, Fnu
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Lefevre, Yannick	(73) Honor Device Co., Ltd.	HE, Yuwen
Mahadevan, Amitkumar	(72) GUO, Renwei	YE, Yan
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E04B 1/80	D21H 25/04
F16L 59/02	D21H 25/06
(00) 27/24	D21H 27/02
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(51) A61H 9/00	03.07.2024
(00) 28/24	
10.07.2024	

## VB2

**Beslissingen genomen op herstelverzoeken, bezwaarschriften, beroepschriften of hoger beroepschriften ex Rijksoctrooiwet 1995. Oppositie(s) beslissingen ex Europees Octrooiverdrag.**

**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. Opposition(s) decisions ex European Patent Convention.**

(11) EP2312933	(00) 40/22 05.10.2022
(51) A01H 5/02	(11) EP3558943
A01H 5/04	(51) C07C 333/04
A01H 6/64	(00) 41/24
C07D 489/02	09.10.2024
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(51) C09K 5/04	(00) Positive
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(51) B65D 85/804	(51) A47J 31/36
(00) 45/21	B65D 85/804
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A61K 39/395	(51) A61K 38/17
A61K 31/00	A61P 27/02
A61K 38/17	(00) 24/23
A61K 31/409	14.06.2023
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A61K 41/00	(51) B65B 1/06
A61K 31/7105	B65B 57/14
A61P 27/02	B65B 1/42
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(51) C04B 37/02	
H01L 21/02	
H01L 21/48	
H05K 3/00	
B23K 26/364	
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(51) C12P 21/02	
D06P 1/00	
D06P 1/22	
D06P 1/24	
D06P 5/22	
D06M 16/00	
D06N 3/00	
D06P 1/46	
D06P 1/48	
D06P 1/50	
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D03D 13/00	
D03D 27/00	
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C12P 17/16	

**MED**

**Overige mededelingen.  
Other communications.**

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(00) 30.04.2025	(51) C08K 5/3435
(51) G06N 3/02	C08K 5/372
G06T 5/60	
G06T 5/20	
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A23L 29/30	
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A23L 33/105	
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(51) A24F 47/00	
A61M 15/06	
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F41A 9/29	
F41A 15/14	
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(51) A23K 10/00	
A23K 50/00	
A23K 10/40	
A23K 10/12	
A23K 10/16	
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A23K 40/25	
A23K 50/80	
A23K 40/30	
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(51) E04B 9/30	

## VRV

**Verval of nietigverklaring.  
Lapse or annulment.**

(11) 1028935	(00) NP lapsed	(00) NP lapsed
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(00) 06.05.2025	(00) 02.05.2025	(00) 01.10.2024
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(11) EP2756642	(11) EP2761403	(11) EP2843120
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2756918	(11) EP2761921	(11) EP2845498
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758047	(11) EP2763550	(11) EP2845706
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758100	(11) EP2763551	(11) EP2846459
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758101	(11) EP2763611	(11) EP2846485
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758116	(11) EP2764719	(11) EP2848210
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758183	(11) EP2766179	(11) EP2848297
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2758289	(11) EP2766458	(11) EP2848366
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758347	(11) EP2772640	(11) EP2851171
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758512	(11) EP2773694	(11) EP2851498
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758513	(11) EP2773878	(11) EP2853375
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758534	(11) EP2774302	(11) EP2853512
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758784	(11) EP2774738	(11) EP2853528
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2758899	(11) EP2775346	(11) EP2853616
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2759557	(11) EP2776970	(11) EP2854122
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2759620	(11) EP2783263	(11) EP2854132
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2760466	(11) EP2783692	(11) EP2854161
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2760795	(11) EP2816603	(11) EP2854162
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2760860	(11) EP2816677	(11) EP2854314
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2761163	(11) EP2817625	(11) EP2856403
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2761311	(11) EP2830000	(11) EP2857920
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2858688	(11) EP2893187	(11) EP2897809
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2860066	(11) EP2893442	(11) EP2897849
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2860211	(11) EP2893479	(11) EP2898000
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2866002	(11) EP2893536	(11) EP2898066
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2878330	(11) EP2893676	(11) EP2898227
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2885218	(11) EP2893709	(11) EP2899234
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2885231	(11) EP2893719	(11) EP2900055
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2889497	(11) EP2893938	(11) EP2900158
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892471	(11) EP2894969	(11) EP2900247
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892575	(11) EP2894976	(11) EP2900531
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892607	(11) EP2895111	(11) EP2900562
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892631	(11) EP2895182	(11) EP2900667
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892641	(11) EP2895378	(11) EP2900708
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892662	(11) EP2895413	(11) EP2900747
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892663	(11) EP2895477	(11) EP2901003
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892828	(11) EP2895505	(11) EP2901070
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892860	(11) EP2895600	(11) EP2901333
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892889	(11) EP2895752	(11) EP2901354
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892941	(11) EP2895849	(11) EP2901474
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2893006	(11) EP2896185	(11) EP2901649
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2893097	(11) EP2896675	(11) EP2901988
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2893185	(11) EP2897709	(11) EP2902107
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2902362	(11) EP2940466	(11) EP3000339
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2903610	(11) EP2943219	(11) EP3000454
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2903638	(11) EP2947203	(11) EP3000455
(00) 28.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP2903735	(11) EP2967123	(11) EP3000602
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2903852	(11) EP2969657	(11) EP3002653
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2904164	(11) EP2970357	(11) EP3003284
(00) 01.10.2024	(00) 01.01.2025	(00) 23.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP2904307	(11) EP2977312	(11) EP3005208
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2904472	(11) EP2979182	(11) EP3005211
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2904537	(11) EP2979428	(11) EP3005610
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2905102	(11) EP2982593	(11) EP3005641
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2905786	(11) EP2987716	(11) EP3005878
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2908962	(11) EP2989536	(11) EP3006796
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2909232	(11) EP2989891	(11) EP3006889
(00) 28.03.2025	(00) 01.10.2024	(00) 01.10.2024
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP2910027	(11) EP2990322	(11) EP3008620
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2910182	(11) EP2993626	(11) EP3009242
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2910945	(11) EP2995135	(11) EP3009864
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2913044	(11) EP2995332	(11) EP3011413
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2916599	(11) EP2995356	(11) EP3011702
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2918679	(11) EP2996317	(11) EP3014976
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2932324	(11) EP2998138	(11) EP3016264
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
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(11) EP2939120	(11) EP2998458	(11) EP3017827
(00) 01.10.2024	(00) 01.10.2024	(00) 01.04.2025
(00) EPV lapsed	(00) EPV lapsed	(00) European Patent got Revoked
(11) EP2940023	(11) EP3000272	(11) EP3018428
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025

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(11) EP3023004	(11) EP3041916	(11) EP3047255
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3023164	(11) EP3041917	(11) EP3047361
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3030549	(11) EP3042447	(11) EP3047419
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3030566	(11) EP3042489	(11) EP3047424
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3031051	(11) EP3042641	(11) EP3047483
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3031528	(11) EP3042685	(11) EP3047517
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3034172	(11) EP3043811	(11) EP3047794
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3035164	(11) EP3043933	(11) EP3048470
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3037078	(11) EP3044066	(11) EP3048909
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3037197	(11) EP3044069	(11) EP3048958
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041376	(11) EP3044278	(11) EP3049027
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041389	(11) EP3044510	(11) EP3049100
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041425	(11) EP3044591	(11) EP3049105
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041428	(11) EP3044701	(11) EP3049118
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041476	(11) EP3044840	(11) EP3049238
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041519	(11) EP3044914	(11) EP3049364
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041597	(11) EP3044941	(11) EP3049365
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
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(11) EP3041646	(11) EP3044944	(11) EP3049463
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041757	(11) EP3046466	(11) EP3049478
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041842	(11) EP3046659	(11) EP3049593
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041843	(11) EP3046778	(11) EP3049719
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3041862	(11) EP3046829	(11) EP3049792
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3049940	(11) EP3067204	(11) EP3116590
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3049962	(11) EP3070635	(11) EP3117165
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3049994	(11) EP3070639	(11) EP3120868
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3050270	(11) EP3071095	(11) EP3120892
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3050889	(11) EP3071968	(11) EP3121844
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3052139	(11) EP3071969	(11) EP3128009
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3052507	(11) EP3072973	(11) EP3128821
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3052598	(11) EP3074709	(11) EP3132972
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3052941	(11) EP3079535	(11) EP3133476
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3053028	(11) EP3079537	(11) EP3133802
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3053104	(11) EP3079887	(11) EP3138484
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
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(11) EP3053372	(11) EP3087352	(11) EP3138486
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
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(11) EP3054643	(11) EP3091940	(11) EP3139230
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3055609	(11) EP3097939	(11) EP3139523
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3058359	(11) EP3098157	(11) EP3141055
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3058762	(11) EP3099499	(11) EP3141114
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3058894	(11) EP3099648	(11) EP3141643
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3058960	(11) EP3102505	(11) EP3141657
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3059804	(11) EP3103716	(11) EP3142035
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3061271	(11) EP3106175	(11) EP3142252
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3063730	(11) EP3108593	(11) EP3143882
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3066505	(11) EP3116429	(11) EP3144247
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3144974	(11) EP3165439	(11) EP3191123
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3145077	(11) EP3166082	(11) EP3191220
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3146845	(11) EP3166191	(11) EP3191256
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3146850	(11) EP3166380	(11) EP3191489
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3146986	(11) EP3171606	(11) EP3191491
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3147239	(11) EP3173393	(11) EP3191641
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3147565	(11) EP3181682	(11) EP3191799
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3147586	(11) EP3181995	(11) EP3192002
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3147612	(11) EP3185087	(11) EP3192018
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3147748	(11) EP3185088	(11) EP3192065
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3148000	(11) EP3186985	(11) EP3192215
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3148222	(11) EP3187899	(11) EP3192285
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3150367	(11) EP3189056	(11) EP3192460
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3150422	(11) EP3189064	(11) EP3192512
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3150558	(11) EP3189081	(11) EP3192745
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3150954	(11) EP3189308	(11) EP3192780
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3153123	(11) EP3189655	(11) EP3192781
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3153502	(11) EP3189930	(11) EP3192782
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3154734	(11) EP3190934	(11) EP3192783
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3159001	(11) EP3190984	(11) EP3193936
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3159567	(11) EP3191020	(11) EP3194109
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3160741	(11) EP3191063	(11) EP3194184
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3194257	(11) EP3198263	(11) EP3204882
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3194260	(11) EP3198425	(11) EP3206863
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3194433	(11) EP3198842	(11) EP3206886
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3194434	(11) EP3198993	(11) EP3206962
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3194486	(11) EP3200601	(11) EP3209543
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3194593	(11) EP3200629	(11) EP3209703
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3194855	(11) EP3200658	(11) EP3211129
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3194908	(11) EP3200776	(11) EP3212667
(00) 01.10.2024	(00) 01.10.2024	(00) 02.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) European Patent got Revoked
(11) EP3195091	(11) EP3200935	(11) EP3214976
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3195174	(11) EP3201095	(11) EP3215319
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3195308	(11) EP3201132	(11) EP3215432
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3195360	(11) EP3201373	(11) EP3216886
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3195591	(11) EP3201505	(11) EP3217409
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3196109	(11) EP3201509	(11) EP3218146
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3196272	(11) EP3201716	(11) EP3219291
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3196797	(11) EP3201717	(11) EP3220242
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3197300	(11) EP3201766	(11) EP3221461
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3197354	(11) EP3201799	(11) EP3222221
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3197431	(11) EP3201905	(11) EP3224424
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3197948	(11) EP3202078	(11) EP3224560
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3198005	(11) EP3202193	(11) EP3226172
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3198101	(11) EP3204398	(11) EP3226443
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024

(00) EPV lapsed	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP3226825	(11) EP3289390	(11) EP3301142
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3228238	(11) EP3289922	(11) EP3301144
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3228287	(11) EP3290093	(11) EP3302111
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3228288	(11) EP3290369	(11) EP3305055
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3229176	(11) EP3290494	(11) EP3305168
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3232857	(11) EP3290571	(11) EP3305533
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3236079	(11) EP3291751	(11) EP3309823
(00) 25.03.2025	(00) 01.10.2024	(00) 01.10.2024
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP3240491	(11) EP3293201	(11) EP3312843
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3243236	(11) EP3295849	(11) EP3313094
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3243396	(11) EP3296178	(11) EP3313501
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3248490	(11) EP3296192	(11) EP3313700
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3250840	(11) EP3296473	(11) EP3318636
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3256233	(11) EP3296474	(11) EP3320062
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3258999	(11) EP3296495	(11) EP3320101
(00) 01.10.2024	(00) 01.10.2024	(00) 06.09.2024
(00) EPV lapsed	(00) EPV lapsed	(00) European Patent got Revoked
(11) EP3261332	(11) EP3296631	(11) EP3323326
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3262977	(11) EP3296769	(11) EP3326774
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3277374	(11) EP3299244	(11) EP3328881
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3279313	(11) EP3299741	(11) EP3329286
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3280016	(11) EP3299781	(11) EP3331016
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3280204	(11) EP3299999	(11) EP3331021
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3281403	(11) EP3300555	(11) EP3333972
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3286233	(11) EP3300718	(11) EP3334550
(00) 20.12.2024	(00) 01.10.2024	(00) 01.01.2025

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3335420	(11) EP3346676	(11) EP3350232
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3335608	(11) EP3346851	(11) EP3350341
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3335828	(11) EP3346852	(11) EP3350843
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3336678	(11) EP3346856	(11) EP3351053
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3336898	(11) EP3346857	(11) EP3352300
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3338161	(11) EP3346989	(11) EP3352602
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3338391	(11) EP3347186	(11) EP3352782
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3339467	(11) EP3347196	(11) EP3352791
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3339860	(11) EP3347348	(11) EP3352857
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3340482	(11) EP3347387	(11) EP3352902
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3340807	(11) EP3347427	(11) EP3353234
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3342223	(11) EP3347539	(11) EP3353335
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3342640	(11) EP3347586	(11) EP3353336
(00) 01.01.2025	(00) 01.01.2025	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3342671	(11) EP3347940	(11) EP3353489
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3342782	(11) EP3348001	(11) EP3353667
(00) 05.05.2025	(00) 01.10.2024	(00) 01.10.2024
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP3343851	(11) EP3349580	(11) EP3353779
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3344053	(11) EP3349596	(11) EP3354069
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3344701	(11) EP3349643	(11) EP3354081
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3345447	(11) EP3349872	(11) EP3354083
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3345613	(11) EP3349914	(11) EP3354996
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3345739	(11) EP3350081	(11) EP3355992
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3346356	(11) EP3350227	(11) EP3356046
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3356282	(11) EP3365228	(11) EP3385986
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3356283	(11) EP3368779	(11) EP3386575
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3356390	(11) EP3369089	(11) EP3387995
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3356429	(11) EP3370688	(11) EP3388917
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3356488	(11) EP3370857	(11) EP3391767
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3356489	(11) EP3371211	(11) EP3391812
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3356591	(11) EP3371236	(11) EP3403654
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3356593	(11) EP3371891	(11) EP3403690
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3356607	(11) EP3372553	(11) EP3404508
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3356657	(11) EP3373138	(11) EP3405810
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3356800	(11) EP3373251	(11) EP3406759
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3358003	(11) EP3374599	(11) EP3411268
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3358325	(11) EP3377882	(11) EP3414047
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3358883	(11) EP3378090	(11) EP3419980
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3359939	(11) EP3378557	(11) EP3420414
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3360084	(11) EP3380456	(11) EP3422151
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3360351	(11) EP3381170	(11) EP3422580
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3362340	(11) EP3381289	(11) EP3430242
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3362425	(11) EP3381623	(11) EP3437140
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3364649	(11) EP3382769	(11) EP3439315
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3364754	(11) EP3383546	(11) EP3439377
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3364848	(11) EP3384202	(11) EP3441814
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3442038	(11) EP3460621	(11) EP3477274
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3445098	(11) EP3461382	(11) EP3477457
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3449848	(11) EP3461693	(11) EP3477476
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3450037	(11) EP3461753	(11) EP3480592
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3450062	(11) EP3461770	(11) EP3481925
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3450122	(11) EP3462716	(11) EP3482641
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3451021	(11) EP3462953	(11) EP3482975
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3451244	(11) EP3463230	(11) EP3483163
(00) 01.01.2025	(00) 01.01.2025	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3451725	(11) EP3463430	(11) EP3483433
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3452131	(11) EP3465247	(11) EP3483802
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3453775	(11) EP3466284	(11) EP3483842
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3454159	(11) EP3467303	(11) EP3485673
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3454441	(11) EP3467604	(11) EP3486126
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3455795	(11) EP3467787	(11) EP3486454
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456168	(11) EP3468286	(11) EP3486540
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3456189	(11) EP3468590	(11) EP3488182
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456195	(11) EP3470212	(11) EP3489899
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456383	(11) EP3471496	(11) EP3490346
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456703	(11) EP3471635	(11) EP3491240
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3456862	(11) EP3473678	(11) EP3494201
(00) 01.01.2025	(00) 01.01.2025	(00) 06.02.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) European Patent got Revoked
(11) EP3458326	(11) EP3474104	(11) EP3495837
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3459622	(11) EP3476862	(11) EP3495940
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3496611	(11) EP3512543	(11) EP3516267
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3497188	(11) EP3512556	(11) EP3516367
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3497354	(11) EP3512583	(11) EP3516623
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3499513	(11) EP3512714	(11) EP3516710
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3502353	(11) EP3512818	(11) EP3516934
(00) 27.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP3503545	(11) EP3512931	(11) EP3518916
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3504492	(11) EP3513028	(11) EP3519082
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3505180	(11) EP3513221	(11) EP3519122
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3507172	(11) EP3513422	(11) EP3519310
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3507300	(11) EP3513423	(11) EP3519328
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3507456	(11) EP3513479	(11) EP3519398
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3507458	(11) EP3513629	(11) EP3519406
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3510298	(11) EP3514853	(11) EP3519416
(00) 01.10.2024	(00) 01.01.2025	(00) 01.10.2024
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(11) EP3510621	(11) EP3515179	(11) EP3519437
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(11) EP3510681	(11) EP3515180	(11) EP3519451
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
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(11) EP3511420	(11) EP3515393	(11) EP3519612
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
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(11) EP3511838	(11) EP3515513	(11) EP3519613
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
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(11) EP3512354	(11) EP3515607	(11) EP3519646
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3512355	(11) EP3515836	(11) EP3520223
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
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(11) EP3512387	(11) EP3516102	(11) EP3520282
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3512407	(11) EP3516164	(11) EP3520306
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
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(11) EP3512477	(11) EP3516171	(11) EP3520479
(00) 01.01.2025	(00) 01.01.2025	(00) 01.10.2024

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(11) EP3523431	(11) EP3543685	(11) EP3579713
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(11) EP3525163	(11) EP3544498	(11) EP3582065
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(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3525367	(11) EP3546395	(11) EP3582105
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3526538	(11) EP3547817	(11) EP3582314
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3528106	(11) EP3549148	(11) EP3584026
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3529784	(11) EP3550030	(11) EP3585745
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3531530	(11) EP3550538	(11) EP3586728
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3535503	(11) EP3550571	(11) EP3592480
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
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(11) EP3535575	(11) EP3550731	(11) EP3594405
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3535577	(11) EP3553849	(11) EP3595895
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3536838	(11) EP3557349	(11) EP3596443
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3537139	(11) EP3563136	(11) EP3596902
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3538168	(11) EP3567378	(11) EP3603829
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3538719	(11) EP3567627	(11) EP3604502
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(11) EP3540112	(11) EP3568441	(11) EP3605468
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(11) EP3540898	(11) EP3568492	(11) EP3605834
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(11) EP3541094	(11) EP3568569	(11) EP3606648
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3541139	(11) EP3570794	(11) EP3608231
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3541802	(11) EP3571649	(11) EP3608444
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3542160	(11) EP3575273	(11) EP3609579
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
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(11) EP3542274	(11) EP3575659	(11) EP3612914
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
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(11) EP3542544	(11) EP3578880	(11) EP3613336
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025

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(11) EP3614943	(11) EP3628258	(11) EP3639302
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
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(11) EP3617167	(11) EP3628288	(11) EP3640573
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3618036	(11) EP3628641	(11) EP3640724
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3620105	(11) EP3628753	(11) EP3640827
(00) 01.10.2024	(00) 01.10.2024	(00) 01.10.2024
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3620296	(11) EP3628773	(11) EP3641045
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
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(11) EP3620487	(11) EP3628801	(11) EP3641764
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3620741	(11) EP3628810	(11) EP3644077
(00) 01.10.2024	(00) 01.10.2024	(00) 01.01.2025
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3620840	(11) EP3628953	(11) EP3644289
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3621558	(11) EP3628992	(11) EP3644347
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
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(11) EP3621917	(11) EP3629011	(11) EP3644479
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3622488	(11) EP3630435	(11) EP3645208
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3622822	(11) EP3631361	(11) EP3646955
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3622866	(11) EP3632006	(11) EP3647882
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3623325	(11) EP3633356	(11) EP3647883
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(11) EP3624598	(11) EP3637155	(11) EP3650067
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(11) EP3626571	(11) EP3637182	(11) EP3650355
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(11) EP3627163	(11) EP3637275	(11) EP3650397
(00) 01.01.2025	(00) 01.10.2024	(00) 01.01.2025
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(11) EP3627171	(11) EP3638144	(11) EP3650473
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
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(11) EP3627270	(11) EP3638987	(11) EP3650684
(00) 01.10.2024	(00) 01.01.2025	(00) 01.01.2025

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(11) EP3650933	(11) EP3662861	(11) EP3675780
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(11) EP3651191	(11) EP3663753	(11) EP3676439
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(11) EP3651930	(11) EP3664152	(11) EP3676572
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(11) EP3653102	(11) EP3664501	(11) EP3678308
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(11) EP3653190	(11) EP3664983	(11) EP3678340
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(11) EP3653504	(11) EP3667003	(11) EP3678580
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(11) EP3653957	(11) EP3667032	(11) EP3678644
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(11) EP3654247	(11) EP3667105	(11) EP3678788
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(11) EP3654360	(11) EP3667955	(11) EP3679034
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(11) EP3654616	(11) EP3668066	(11) EP3679042
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
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(11) EP3654703	(11) EP3668450	(11) EP3679315
(00) 01.01.2025	(00) 01.10.2024	(00) 01.10.2024
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(11) EP3655355	(11) EP3668718	(11) EP3679384
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(11) EP3656985	(11) EP3669380	(11) EP3679770
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(11) EP3658654	(11) EP3671636	(11) EP3680277
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(11) EP3660538	(11) EP3674265	(11) EP3681443
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(11) EP3660956	(11) EP3674909	(11) EP3681670
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(11) EP3661579	(11) EP3675226	(11) EP3681799
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(11) EP3682291	(11) EP3688812	(11) EP3703176
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(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4316377	(11) EP4343791	(11) EP4402601
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4317852	(11) EP4345269	(11) EP4403352
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4318465	(11) EP4355027	(11) EP4413600
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4323205	(11) EP4356401	(11) EP4434677
(00) 01.01.2025	(00) 01.01.2025	(00) 01.01.2025
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP4323621	(11) EP4360931	
(00) 01.01.2025	(00) 01.01.2025	
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(11) EP4323849	(11) EP4364833	
(00) 01.01.2025	(00) 01.01.2025	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4326972	(11) EP4366788	
(00) 01.01.2025	(00) 01.01.2025	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4327369	(11) EP4367350	
(00) 01.01.2025	(00) 01.01.2025	
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(11) EP4327370	(11) EP4368286	
(00) 01.01.2025	(00) 01.01.2025	
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(11) EP4328059	(11) EP4370253	
(00) 01.01.2025	(00) 01.01.2025	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4329924	(11) EP4372331	
(00) 01.01.2025	(00) 01.01.2025	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4330065	(11) EP4372510	
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(11) EP4330521	(11) EP4376673	
(00) 01.01.2025	(00) 01.01.2025	
(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4335675	(11) EP4381732	
(00) 01.01.2025	(00) 01.01.2025	
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(11) EP4336018	(11) EP4382441	
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(00) EPV Ceased Effect	(00) EPV Ceased Effect	
(11) EP4336860	(11) EP4383748	
(00) 01.01.2025	(00) 01.01.2025	

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

- (11) EP3902842  
(00) 07.05.2025  
(00) Administratieve correctie uitgevoerd  
i.v.m. Russische sancties.
- (51) C08C 19/06  
C08C 19/14  
C08C 19/32
- 
- (11) EP3902843  
(00) 07.05.2025  
(00) Administratieve correctie uitgevoerd  
i.v.m. Russische sancties.
- (51) C08C 19/06  
C08C 19/14  
C08J 9/16  
C08K 5/00  
C08L 25/06
- 
- (11) EP4046049  
(00) 01.09.2024  
(00) Proceedings Interruption: Legal  
prevention (Rule 142(1)(b))
- (51) G06F 21/64  
G06N 3/02
-

## CO

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

(71) Seaborough Electronics IP B.V.	A23L 33/12	(00) 28.04.2025
(73) Seaborough Electronics IP B.V.	(00) Assignment	(51) C11D 3/382
(11) 2014525	(71) Erika B-Cure Laser Ltd	C11D 3/386
(00) 01.05.2025	(73) Erika B-Cure Laser Ltd	(00) Assignment
(51) H05B 33/08	(11) EP2461868	(71) Equator Global Limited
(00) Change of owner(s) name	(00) 29.04.2025	(73) Equator Global Limited
(71) Corxel Pharmaceuticals Hong Kong Limited	(51) A61B 18/20	(11) EP3046425
(73) Corxel Pharmaceuticals Hong Kong Limited	A61N 5/06	(00) 28.04.2025
(11) EP2000540	(00) Assignment	(51) A23L 2/02
(00) 23.04.2025	(71) InterDigital VC Holdings, Inc.	C11D 1/04
(51) A61K 31/407	(73) InterDigital VC Holdings, Inc.	C11D 3/38
A61P 7/02	(11) EP2756678	C11D 11/00
A61P 9/00	(00) 30.04.2025	C12P 7/40
C07D 491/04	(51) H04N 19/11	(00) Assignment
C07D 491/052	H04N 19/119	(71) Equator Global Limited
C12P 17/18	H04N 19/124	(73) Equator Global Limited
(00) Change of owner(s) name	H04N 19/14	(11) EP3047004
(71) Haldex Aktiebolag	H04N 19/176	(00) 28.04.2025
(73) Haldex Aktiebolag	H04N 19/46	(51) C11D 3/22
(11) EP2504207	H04N 19/59	C11D 3/382
(00) 23.04.2025	H04N 19/593	C11D 11/04
(51) B60T 7/20	H04N 19/60	C12P 1/04
B60T 8/17	H04N 19/80	(00) Assignment
B60T 8/1764	H04N 19/90	(71) InterDigital VC Holdings, Inc.
B60T 8/24	(00) Assignment	(73) InterDigital VC Holdings, Inc.
B60T 13/26	(71) Haag-Streit GmbH	(11) EP2805512
B60T 13/66	(73) Haag-Streit GmbH	(00) 30.04.2025
B60T 13/68	(11) EP2391963	(51) H04N 19/105
(00) Merge	(00) 29.04.2025	H04N 19/503
(71) Corxel Pharmaceuticals Hong Kong Limited	(51) G06F 19/00	H04N 19/70
(73) Corxel Pharmaceuticals Hong Kong Limited	G09B 23/28	(00) Assignment
(11) EP2452679	(00) Assignment	(71) Perrigo Pharma International DAC
(00) 23.04.2025	(71) Qlar Europe GbmH	(73) Perrigo Pharma International DAC
(51) A61K 31/407	(73) Qlar Europe GbmH	(11) EP3096767
A61P 7/02	(11) EP2187187	(00) 28.04.2025
A61P 9/10	(00) 28.04.2025	(51) A61K 31/191
(00) Change of owner(s) name	(51) G01G 3/14	A61K 31/194
(71) Corxel Pharmaceuticals Hong Kong Limited	G01L 1/22	A61K 31/733
(73) Corxel Pharmaceuticals Hong Kong Limited	G01L 5/16	A61K 36/185
(11) EP2604697	(00) Change of owner(s) name	A61P 3/04
(00) 23.04.2025	(71) Biopolymer Technologies Media FZ-LLC	A61Q 90/00
(51) A61K 31/407	(73) Biopolymer Technologies Media FZ-LLC	A23L 5/00
A61P 7/02	(11) EP2862843	A23L 7/00
A61P 9/00	(00) 13.02.2025	A23L 9/00
C07D 491/04	(51) B01D 17/04	A23L 21/00
C07D 491/052	B01J 20/24	A23L 29/30
C12P 17/18	C02F 1/28	A23L 33/10
(00) Change of owner(s) name	C02F 1/38	A23L 33/21
(71) Innovaoleo, SLU	C02F 1/40	A23L 33/22
(73) Innovaoleo, SLU	C02F 1/52	(00) Assignment
(11) EP2429317	C02F 1/56	(71) InterDigital VC Holdings, Inc.
(00) 29.04.2025	C02F 1/66	(73) InterDigital VC Holdings, Inc.
(51) A61K 31/20	C02F 1/68	(11) EP3047639
C11C 1/02	C02F 101/20	(00) 30.04.2025
C11C 1/08	C02F 101/32	(51) G06T 9/40
	C02F 103/10	H04N 1/64
	E02B 15/00	H04N 19/463
	(00) Assignment	H04N 19/96
	(71) Equator Global Limited	(00) Assignment
	(73) Equator Global Limited	(71) InterDigital VC Holdings, Inc.
	(11) EP3047005	(73) InterDigital VC Holdings, Inc.

(11) EP3042503	(73) Corxel Pharmaceuticals Hong Kong Limited	H04N 21/845
(00) 30.04.2025		H04N 21/854
(51) H04N 5/44	(11) EP2821404	H04L 29/06
H04N 21/2343	(00) 23.04.2025	H04L 29/08
H04N 21/2662	(51) C07D 311/58	H04W 12/10
H04N 21/422	C07D 491/052	H04W 12/12
H04N 21/462	C12P 17/06	(00) Assignment
H04N 21/6587	(00) Change of owner(s) name	(71) Augendopler, Peter
(00) Assignment	(71) InterDigital VC Holdings, Inc.	H.U. Privatstiftung
(71) InterDigital VC Holdings, Inc.	(73) InterDigital VC Holdings, Inc.	(73) Augendopler, Peter
(73) InterDigital VC Holdings, Inc.	(11) EP2804415	H.U. Privatstiftung
(11) EP2979487	(00) 30.04.2025	(11) EP2811835
(00) 30.04.2025	(51) H04W 24/00	(00) 29.04.2025
(51) H04W 28/04	(00) Assignment	(51) A21B 3/13
H04L 12/863	(71) InterDigital VC Holdings, Inc.	A21D 8/06
(00) Assignment	(73) InterDigital VC Holdings, Inc.	(00) Assignment
(71) InterDigital VC Holdings, Inc.	(11) EP2813020	(71) InterDigital VC Holdings, Inc.
(73) InterDigital VC Holdings, Inc.	(00) 30.04.2025	(73) InterDigital VC Holdings, Inc.
(11) EP3127304	(51) H04L 1/18	(11) EP3506644
(00) 30.04.2025	(00) Assignment	(00) 30.04.2025
(51) H04L 1/16	(71) Springfield Aluminum Co Inc	(51) H04N 21/442
H04L 29/06	(73) Springfield Aluminum Co Inc	H04L 29/06
H04L 29/08	(11) EP3169582	(00) Assignment
(00) Assignment	(00) 25.04.2025	(71) InterDigital VC Holdings, Inc.
(71) InterDigital VC Holdings, Inc.	(51) A47C 7/00	(73) InterDigital VC Holdings, Inc.
(73) InterDigital VC Holdings, Inc.	B60N 2/24	(11) EP2705707
(11) EP2805492	B60N 2/42	(00) 30.04.2025
(00) 30.04.2025	B60N 2/54	(51) G01C 21/34
(51) H04N 19/126	B63B 29/04	(00) Assignment
H04N 19/13	F16F 13/00	(71) Wenzhou Shiding New Materials Co., Ltd.
H04N 19/176	F16F 13/02	(73) Wenzhou Shiding New Materials Co., Ltd.
H04N 19/44	F16F 15/02	(11) EP3501826
H04N 19/51	(00) Assignment	(00) 28.04.2025
H04N 19/593	(71) Shark Limited	(51) B41C 1/10
H04N 19/60	(73) Springfield Aluminum Co Inc	(00) Assignment
H04N 19/61	(11) EP3169582	(71) Weber Food Technology GmbH & Co. KG
H04N 19/625	(00) 25.04.2025	(73) Weber Food Technology SE & Co. KG
(00) Assignment	(51) A47C 7/00	(11) EP2711147
(71) Corxel Pharmaceuticals Hong Kong Limited	B60N 2/24	(00) 01.05.2025
(73) Corxel Pharmaceuticals Hong Kong Limited	B60N 2/42	(51) B26D 5/32
(11) EP2508611	B60N 2/54	B26D 7/06
(00) 23.04.2025	B63B 29/04	B26D 5/20
(51) A61K 31/407	F16F 13/00	(00) Change of Legal Entity
A61P 7/02	F16F 13/02	(71) Weber Food Technology SE & Co. KG
A61P 9/00	F16F 15/02	(73) Weber Food Technology SE & Co. KG
C07D 491/04	(00) Assignment	(11) EP2711147
C07D 491/052	(71) InterDigital VC Holdings, Inc.	(00) 01.05.2025
C12P 17/18	(73) InterDigital VC Holdings, Inc.	(51) B26D 5/32
(00) Change of owner(s) name	(11) EP3055997	B26D 7/06
(71) InterDigital VC Holdings, Inc.	(00) 30.04.2025	B26D 5/20
(73) InterDigital VC Holdings, Inc.	(51) H04N 19/186	(00) Change of owner(s) name
(11) EP2909990	H04N 19/30	(71) Weber Food Technology GmbH & Co. KG
(00) 30.04.2025	(00) Assignment	(73) Weber Food Technology SE & Co. KG
(51) H04L 29/06	(71) InterDigital VC Holdings, Inc.	(11) EP3505879
H04W 52/00	(73) InterDigital VC Holdings, Inc.	(00) 01.05.2025
(00) Assignment	(11) EP3383042	(51) G01G 23/14
(71) InterDigital VC Holdings, Inc.	(00) 30.04.2025	(00) Change of Legal Entity
(73) InterDigital VC Holdings, Inc.	(51) H04N 19/105	(71) Weber Food Technology SE & Co. KG
(11) EP2805523	H04N 19/503	(73) Weber Food Technology SE & Co. KG
(00) 30.04.2025	H04N 19/70	(11) EP3505879
(51) H04N 21/442	(00) Assignment	(00) 01.05.2025
H04L 29/06	(71) InterDigital VC Holdings, Inc.	(51) G01G 23/14
(00) Assignment	(73) InterDigital VC Holdings, Inc.	(00) Change of owner(s) name
(71) Corxel Pharmaceuticals Hong Kong Limited	(11) EP3286897	(71) Weber Food Technology GmbH & Co. KG
	(00) 30.04.2025	(73) Weber Food Technology SE & Co. KG
	(51) H04N 21/61	(11) EP3505879
	H04N 21/835	(00) 01.05.2025
		(51) G01G 23/14
		(00) Change of owner(s) name

(71) InterDigital VC Holdings, Inc.	(11) EP3304907	(71) InterDigital VC Holdings, Inc.
(73) InterDigital VC Holdings, Inc.	(00) 30.04.2025	(73) InterDigital VC Holdings, Inc.
(11) EP3635959	(51) H04N 19/593	(11) EP3304831
(00) 30.04.2025	(00) Assignment	(00) 30.04.2025
(51) H04N 21/00	(71) InterDigital VC Holdings, Inc.	(51) H04L 12/707
H04N 21/218	(73) InterDigital VC Holdings, Inc.	H04L 12/803
H04N 21/2343	(11) EP3448082	H04L 12/891
H04N 21/4728	(00) 30.04.2025	H04L 12/863
H04N 21/6587	(51) H04W 28/04	H04L 12/801
H04N 21/81	H04L 12/863	H04L 12/717
(00) Assignment	H04L 12/911	H04L 12/741
(71) Weber Food Technology GmbH & Co. KG	H04L 12/801	H04L 12/721
(73) Weber Food Technology SE & Co. KG	H04L 1/18	(00) Assignment
(11) EP3725706	(00) Assignment	(71) InterDigital VC Holdings, Inc.
(00) 01.05.2025	(71) RE-NUT AG	(73) InterDigital VC Holdings, Inc.
(51) B65G 15/12	(73) RE-NUT AG	(11) EP3528450
(00) Change of Legal Entity	(11) EP3903601	(00) 30.04.2025
(71) VOICE LIFE HOLDINGS Limited	(00) 30.04.2025	(51) H04L 29/06
(73) VOICE LIFE HOLDINGS Limited	(51) A23C 20/02	H04W 52/00
(11) EP3673560	A23C 11/10	(00) Assignment
(00) 28.04.2025	(00) Assignment	(71) Perrigo Pharma International DAC
(51) H02J 50/00	(71) InterDigital VC Holdings, Inc.	(73) Perrigo Pharma International DAC
H02J 50/50	(73) InterDigital VC Holdings, Inc.	(11) EP3223827
H02J 50/20	(11) EP3456049	(00) 28.04.2025
H02J 50/80	(00) 30.04.2025	(51) A61K 31/723
H04B 5/00	(51) H04N 19/463	A61K 31/731
H02J 50/40	H04N 19/96	A61K 31/736
(00) Assignment	H04N 19/577	A23L 29/244
(71) InterDigital VC Holdings, Inc.	H04N 19/70	A23L 29/256
(73) InterDigital VC Holdings, Inc.	(00) Assignment	A23L 29/269
(11) EP3624447	(71) InterDigital VC Holdings, Inc.	A23L 33/21
(00) 30.04.2025	(73) InterDigital VC Holdings, Inc.	(00) Assignment
(51) H04N 19/105	(11) EP3510744	(71) InterDigital VC Holdings, Inc.
H04N 19/503	(00) 30.04.2025	(73) InterDigital VC Holdings, Inc.
H04N 19/70	(51) H04L 29/06	(11) EP3922025
(00) Assignment	H04N 21/218	(00) 30.04.2025
(71) IDEMIA Identity & Security USA LLC	H04N 21/2343	(51) H04N 19/513
(73) IDEMIA Identity & Security USA LLC	H04N 21/442	H04N 19/577
(11) EP3417392	H04N 21/6587	H04N 19/117
(00) 28.04.2025	H04N 21/647	H04N 19/139
(51) H04L 29/06	H04N 21/81	H04N 19/182
G06F 21/32	H04N 21/845	(00) Assignment
(00) Assignment	(00) Assignment	(71) Anupam Nayak B.V.
(71) Weber Food Technology GmbH & Co. KG	(71) Weber Food Technology SE & Co. KG	(73) Anupam Nayak B.V.
(73) Weber Food Technology SE & Co. KG	(73) Weber Food Technology SE & Co. KG	(11) 2032399
(11) EP3466624	(11) EP3725706	(00) 01.05.2025
(00) 01.05.2025	(00) 01.05.2025	(51) H02K 5/04
(51) B26D 7/30	(51) B65G 15/12	B25J 9/12
B26D 7/06	(00) Change of owner(s) name	H02K 5/15
B26D 5/00	(71) InterDigital VC Holdings, Inc.	H02K 7/08
B26D 3/16	(73) InterDigital VC Holdings, Inc.	H02K 7/116
B65B 1/32	(11) EP3158754	H02K 11/33
(00) Change of Legal Entity	(00) 30.04.2025	(00) Assignment
(71) Weber Food Technology SE & Co. KG	(51) H04N 19/70	(71) InterDigital VC Holdings, Inc.
(73) Weber Food Technology SE & Co. KG	H04N 19/147	(73) InterDigital VC Holdings, Inc.
(11) EP3466624	H04N 19/593	(11) EP3120561
(00) 01.05.2025	H04N 19/463	(00) 30.04.2025
(51) B26D 7/30	H04N 19/186	(51) H04N 19/70
B26D 7/06	(00) Assignment	H04N 19/124
B26D 5/00	(71) Yucheon Enviro Co., Ltd.	H04N 19/159
B26D 3/16	(73) Yucheon Enviro Co., Ltd.	H04N 19/174
B65B 1/32	(11) EP3766562	H04N 19/61
(00) Change of owner(s) name	(00) 25.04.2025	H04N 19/82
(71) InterDigital VC Holdings, Inc.	(51) B01D 33/23	H04N 19/96
(73) InterDigital VC Holdings, Inc.	B01D 33/44	H04N 19/119
	B01D 33/80	(00) Assignment
	(00) Assignment	(71) InterDigital VC Holdings, Inc.

(73) InterDigital VC Holdings, Inc.	(71) InterDigital VC Holdings, Inc.	(00) Assignment
(11) EP2873212	(73) InterDigital VC Holdings, Inc.	(71) InterDigital VC Holdings, Inc.
(00) 30.04.2025	(11) EP3080985	(73) InterDigital VC Holdings, Inc.
(51) H04L 65/612	(00) 30.04.2025	(11) EP3603006
H04L 65/75	(51) H04N 9/64	(00) 30.04.2025
H04L 65/80	H04N 19/80	(51) H04L 65/80
(00) Assignment	H04N 19/59	H04L 65/612
(71) InterDigital VC Holdings, Inc.	(00) Assignment	G06F 3/01
(73) InterDigital VC Holdings, Inc.	(71) paXos Solar GmbH	G06F 3/0481
(11) EP3987778	(73) paXos Solar GmbH	H04N 21/442
(00) 30.04.2025	(11) EP3649703	H04N 21/4728
(51) H04N 19/105	(00) 30.04.2025	H04N 21/6587
H04N 19/147	(51) B60L 53/302	H04N 21/81
H04N 19/182	B60L 53/16	H04N 19/597
H04N 19/513	B60L 53/18	H04N 13/344
H04N 19/523	H01R 13/00	H04N 13/117
H04N 19/70	(00) Assignment	(00) Assignment
H04N 19/54	(71) InterDigital VC Holdings, Inc.	(71) Weber Food Technology SE & Co. KG
H04N 19/577	(73) InterDigital VC Holdings, Inc.	(73) Weber Food Technology SE & Co. KG
H04N 19/567	(11) EP3232665	(11) EP4420846
(00) Assignment	(00) 30.04.2025	(00) 01.05.2025
(71) Laura CORTINOVIS	(51) H04N 19/176	(51) B26D 7/06
(73) Laura CORTINOVIS	H04N 19/119	(00) Change of owner(s) name
(11) EP3802935	H04N 19/46	(71) SOITEC
(00) 01.05.2025	H04N 19/593	(73) SOITEC
(51) D04B 1/18	H04N 19/11	(11) EP4264659
D04B 1/12	H04N 19/124	(00) 30.04.2025
D04B 1/26	H04N 19/14	(51) H01L 21/18
(00) Assignment	H04N 19/80	H01L 21/02
(71) Qlar Europe GbmH	H04N 19/90	H01L 21/322
(73) Qlar Europe GbmH	H04N 19/59	(00) Assignment
(11) EP3862730	H04N 19/60	(71) Weber Food Technology GmbH & Co. KG
(00) 28.04.2025	(00) Assignment	KG
(51) G01G 19/04	(71) InterDigital VC Holdings, Inc.	(73) Weber Food Technology SE & Co. KG
(00) Change of owner(s) name	(73) InterDigital VC Holdings, Inc.	(11) EP4420846
(71) InterDigital VC Holdings, Inc.	(11) EP3588958	(00) 01.05.2025
(73) InterDigital VC Holdings, Inc.	(00) 30.04.2025	(51) B26D 7/06
(11) EP3251350	(51) H04N 19/31	(00) Change of Legal Entity
(00) 30.04.2025	H04N 19/33	(71) Senju Pharmaceutical Co., Ltd.
(51) H04N 19/105	H04N 19/51	MOCHIDA PHARMACEUTICAL CO., LTD.
H04N 19/593	H04N 19/52	(73) MOCHIDA PHARMACEUTICAL CO., LTD.
H04N 19/196	H04N 19/70	LTD.
H04N 19/176	(00) Assignment	Senju Pharmaceutical Co., Ltd.
H04N 19/186	(71) InterDigital VC Holdings, Inc.	(11) EP4043014
(00) Assignment	(73) InterDigital VC Holdings, Inc.	(00) 28.04.2025
(71) Centre National de la Recherche Scientifique	(11) EP3955487	(51) A61K 31/353
Universite De Poitiers	(00) 30.04.2025	A61K 9/10
(73) Centre National de la Recherche Scientifique	(51) H04L 1/00	A61P 27/04
Universite De Poitiers	H04W 28/02	A61P 43/00
(11) EP3351585	H04L 1/18	A61K 9/00
(00) 28.04.2025	(00) Assignment	A61K 47/02
(51) C08J 3/20	(71) InterDigital VC Holdings, Inc.	A61K 47/26
C08L 67/04	(73) InterDigital VC Holdings, Inc.	(00) Change of owner(s) name
C12N 9/14	(11) EP3257225	
C12N 11/04	(00) 30.04.2025	
C12N 11/08	(51) H04L 65/80	
(00) Assignment	H04L 65/612	
(71) InterDigital VC Holdings, Inc.	H04L 65/613	
(73) InterDigital VC Holdings, Inc.	H04L 65/752	
(11) EP3917140	H04L 65/75	
(00) 30.04.2025	(00) Assignment	
(51) H04N 19/105	(71) InterDigital VC Holdings, Inc.	
H04N 19/503	(73) InterDigital VC Holdings, Inc.	
H04N 19/70	(11) EP3857886	
(00) Assignment	(00) 30.04.2025	
	(51) H04N 19/463	
	H04N 19/577	

**TVH**

**Topografieën van halfgeleiderproducten.  
Depots of topographies of semi-conductor products.**

## UP1

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

(11) EP3351924	(11) EP3976326	(11) EP3796673
(11) EP3721151	(11) EP4022266	(11) EP3788538
(11) EP2770059	(11) EP4045961	(11) EP3856833
(11) EP3148713	(11) EP4085310	(11) EP3906278
(11) EP3858348	(11) EP3863297	(11) EP3887099
(11) EP3615685	(11) EP4163089	(11) EP3739497
(11) EP3684538	(11) EP4094086	(11) EP3956560
(11) EP3906813	(11) EP4097286	(11) EP4017244
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(11) EP3702327	(11) EP4168813	(11) EP3845185
(11) EP3708125	(11) EP3971407	(11) EP4009699
(11) EP3839774	(11) EP4396423	(11) EP4046031
(11) EP3838183	(11) EP3985438	(11) EP3956075
(11) EP4076392	(11) EP4029752	(11) EP3976896
(11) EP3765586	(11) EP4048168	(11) EP4130466
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(11) EP3891883	(11) EP4027548	
(11) EP3872208	(11) EP3952372	
(11) EP3876873	(11) EP3971679	

## **UP2**

**Europese octrooien met geregistreerd verzoek ex. artikel 52a Rijsoctrooiwet 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).**

**UP6**

**Europese octrooien met een ingetrokken verzoek ex. artikel 52a Rijsoctrooiwet 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 Rijsoctrooiwet 1995.  
Registrations and deregistrations ex Article 27 par. 5 Patent Rules of the NL Patent Law 1995.**