



Rijksdienst voor Ondernemend
Nederland

Nederland

De industriële eigendom

Inleiding

Hoofdblad

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

Bijblad

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

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ING 0705001296

Iban: NL41INGB070500129

BIC: INGBNL2A

Introduction

Patent Bulletin

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

Official Journal

Appears four times a year (January, April, July, October) in electronic form on the www.rvo.nl/octrooien. The Official Journal contains announcements and other things worth knowing for the benefit of the Netherlands Patent Office and its customers.

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

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Rubriek MED Bevat gegevens betreffende overige mededelingen.	219Heading MED Contains data concerning other communications.	219
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Overzicht van Inid codes

INID CODES

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

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

INID CODES

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

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

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

Rubrieken/Headings

NP1

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(41) 04.04.2023	(22) 15.05.2022	(41) 31.03.2023
(51) A61F 5/445	(54) BREAKTHROUGH TYPE ICE-SNOW ENTERTAINMENT SYSTEM	(31) 202111132782.0
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(22) 28.09.2021	(71) NORTHEAST ELECTRIC POWER UNIVERSITY	(33) China
(54) Werkwijze voor het vervaardigen van een op maat gemaakte stomaplaat	(74) ir. M.B. Plaggenborg	(51) B23K 26/352
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(74) ir. G.J.M. Verhees	Zhaoqing Chen	(22) 16.12.2021
(72) Jolanda Nieling	Yong Su	(54) METHOD AND DEVICE FOR LASER PRETREATMENT OF SURFACES OF RESIN MATRIX COMPOSITE
(41) 04.04.2023	Chuncheng Liu	(71) Army Academy of Armored forces of PLA
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(21) 2029239	(31) 202111153855.4	(72) Sijie Wang
(22) 24.09.2021	(32) 29.09.2021	Gaowei Song
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(71) SimCPR Holding B.V.	(51) A63G 27/00	Dema Ba
(74) ir. B.J. 't Jong	(21) 2029250	(31) 20211127781.7
(72) Harmen Jacob Palsma		

(32) 26.09.2021	Jacob Geert Arie den Boer	(74) ir. M.B. Plaggenborg
(33) China	(41) 29.03.2023	(72) Chunyun Wan
(51) B29D 30/32	(51) B62J 6/00	Fengli Yang
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(22) 24.09.2021	(21) 1044170	(33) China
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(41) 30.03.2023	(21) 1044173	(71) Fillix B.V.
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(21) 2029233	(72) Dr. Ir. Markus van der Laan	(41) 30.03.2023
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Xiaoping Ye	(54) Inrichting voor het vanaf de wal in het water lossen van een cilindrisch voorwerp zoals een mastelement of fundatie-paal voor een windturbine	(74) dr. G. Visser-Luirink
(41) 30.03.2023	(71) TMS Technical & Maritime Services BV	(72) Thomas Hendrik Johannes Verburg
(51) B60P 1/36	(72) ing Jacobus Albertus van Driel	(41) 31.03.2023
B60P 1/38	(41) 03.04.2023	(51) C02F 9/00
(21) 2029256	(51) B65B 13/06	(21) 2029235
(22) 27.09.2021	(21) 2029238	(22) 23.09.2021
(54) Transport space having a movable product discharging floor	(22) 24.09.2021	(54) METHOD TO REMOVE SALTS AND/OR IONS, IN PARTICULAR SODIUM, FROM DRAIN WATER AND WASTEWATER
(71) Rondveld B.V.	(54) Assembly, strap guiding device and method for providing a bulky item with a strap	(71) Triqua International B.V.
(74) ir. H.A. Witmans c.s.	(71) Tebulo Industrial Automation B.V.	(74) dr. ir. G.J.C. Verdijk c.s.
(72) Hubertus Adrianus Johannes Catharina van Schijndel	(74) dr. R.C. van Duijvenbode c.s.	(72) Carolus Wilhelmus Maria de Bruijn
(41) 31.03.2023	(72) Johan Spaans	Arnaud Marinus Aart Duine
(51) B62B 3/04	(41) 31.03.2023	(41) 30.03.2023
B62B 3/10	(51) B65B 25/04	(51) C02F 9/00
(21) 2029274	A01G 18/70	E03B 3/02
(22) 29.09.2021	(21) 2030561	E03F 1/00
(54) Box-Free Shell-like Logistics Delivery Rack	(22) 14.01.2022	(21) 2032774
(71) Hangzhou Vocational and Technical College	(54) Werkwijze en inrichting voor het verwerken van champignons	(22) 17.08.2022
(74) V. Mellet	(71) Jacobus Alexander Jozef Lemmen	(54) DEVICE FOR RECYCLING RAINWATER RESOURCES BY SPONGE MEASURES
(72) Yueyi Xia	(74) ir. M. van der Velden	(71) Hebei Institute of Water Science
Pingping Sun	(72) Jacobus Alexander Jozef Lemmen	(74) dr. T. Wittop Koning PhD
Lin'gang Gu	(41) 29.03.2023	(72) Wei Chen
Fuhai Liu	(31) 2029220	Dasheng Zhang
Wei Meng	(32) 22.09.2021	Tingyu Chen
(41) 04.04.2023	(33) Netherlands	Wanxiang Ai
(51) B62B 7/08	(51) B65D 81/34	Boxin Wang
B62B 9/20	B65D 81/18	(41) 31.03.2023
B62B 7/06	A61J 1/00	(51) C07C 251/24
(21) 2029222	(21) 2033085	C09K 11/06
(22) 22.09.2021	(22) 20.09.2022	(21) 2030169
(54) Folding stroller	(54) DEVICE, BOTTLE SLEEVE AND BOTTLE FOR TEMPERATURE RISE OF VACCINE	(22) 16.12.2021
(71) Royalty Bugaboo GmbH	(71) YANGTZE University	(54) MOLECULAR SENSOR WITH DOUBLE FLUORESCENCE DETECTION SIGNALS FOR ACID ENVIRONMENT AND APPLICATION THEREOF
(74) ir. W.J.J.M. Kempes		(71) DEZHOU UNIVERSITY
(72) Frank Jacob Paul de Vries		(74) ir. M.B. Plaggenborg
Rutger Cornelis Simon Koopman		(72) Fang Wang
		Yanyan Gao

Lianwen Zhou	William M. Porteous	(41) 29.03.2023
Xiaoying Hua	Theis F. Clarke	(51) C10M 103/06
Qingjun Shen	David S. Crocker	C10M 125/18
Ping Wu	Akshay Gopan	C10M 125/06
Chunxiao Jia	Geoffrey D. Moeser	C10M 125/04
Jun Feng	Thomas E. McElwain	(21) 2034183
Shufei Mao	(31) 63/323,341	(22) 20.02.2023
(31) 202111145364.5	63/250,423	(54) HIGH-TEMPERATURE RESISTANT
(32) 28.09.2021	(32) 24.03.2022	SOLID LUBRICATING COATING LAYER
(33) China	30.09.2021	AND PREPARATION METHOD AND
(51) C07C 251/24	(33) United States of America	USE THEREOF
C09K 11/06	United States of America	(71) Lanzhou Institute of Chemical Physics,
G01N 21/64	(51) C09K 8/42	Chinese Academy of Sciences
(21) 2030168	E21B 33/13	(74) ir. F.A. Geurts c.s.
(22) 16.12.2021	E21B 47/005	(72) Haiyan Xu
(54) MOLECULAR SENSOR WITH FOUR-	F24T 10/13	Yanping Wu
CONVERSION DETECTION SIGNAL	(21) 2033114	Hongxuan Li
FOR ACID-BASE ENVIRONMENT AND	(22) 22.09.2022	Lei Chen
APPLICATION THEREOF	(54) Afdichtmateriaal en werkwijze voor het	Huidi Zhou
(71) DEZHOU UNIVERSITY	afdichten van een in de grond aanwezig	(31) 202211195310 .4
(74) ir. M.B. Plaggenborg	boorgat	(32) 29.09.2022
(72) Mingjie Leng	(71) RK Verwaltungs GmbH	(33) China
Zhigang Wang	(74) ir. G.J.M. Verhees	(51) C12N 15/66
Yuting Chen	(72) Grietinus Gerard Pama	C12N 15/70
Shubo Shang	(31) 2029280	C12N 15/12
Yulan Song	(32) 29.09.2021	(21) 2033165
Yunzhen Huo	(33) Netherlands	(22) 28.09.2022
Bingwei Xin	(51) C09K 8/42	(54) METHOD FOR IMPROVING LIGATION
Aizhen Liu	E21B 33/13	EFFICIENCY OF TARGET FRAGMENT
Sha Sha	E21B 47/005	AND psiCHECK2 VECTOR
Qian Wang	F24T 10/13	(71) Yangzhou University
(31) 202111148374.4	(21) 2033113	(74) ir. M.B. Plaggenborg
(32) 29.09.2021	(22) 22.09.2022	(72) Xiukai Cao
(33) China	(54) Afdichtmateriaal en werkwijze voor het	Wei Sun
(51) C09C 1/50	afdichten van een in de grond aanwezig	Shanhe Wang
(21) 2033184	boorgat	Shan Wang
(22) 29.09.2022	(71) RK Verwaltungs GmbH	Zehu Yuan
(54) METHODS OF PRODUCING CARBON	(74) ir. G.J.M. Verhees	(31) 202111161574.3
BLACKS FROM LOW-YIELDING	(72) Grietinus Gerard Pama	(32) 30.09.2021
FEEDSTOCKS AND PRODUCTS MADE	(31) 2029280	(33) China
FROM SAME	(32) 29.09.2021	(51) C12Q 1/6895
(71) Cabot Corporation	(33) Netherlands	C12Q 1/686
(74) ir. H.A. Witmans c.s.	(51) C10L 1/32	(21) 2033157
(72) Geoffrey D. Moeser	C10L 7/02	(22) 27.09.2022
David M. Matheu	C10L 11/00	(54) PRIMER PAIR, PROBE AND
Theis F. Clarke	C10L 11/04	IDENTIFICATION METHOD OF
Thomas E. McElwain	C10L 11/06	HIRSUTELLA SINENSIS
David S. Crocker	(21) 2029254	(71) National Institutes for Food and Drug
Akshay Gopan	(22) 27.09.2021	Control
Frederick H. Rumpf	(54) FIRELIGHTER GEL	(74) ir. M.B. Plaggenborg
William M. Porteous	(71) Kemetyl Nederland B.V.	(72) Xiu Ren
(31) 63/250,421	(74) ir. H.A. Witmans c.s.	Shuai Kang
63/323,338	(72) Johannes Cornelis Joseph van Wegen	Feng Wei
(32) 30.09.2021	Willem Peter Blokpoel	Tulin Lu
24.03.2022	(41) 31.03.2023	Shuangcheng Ma
(33) United States of America	(51) C10L 3/00	Shenghui Cui
United States of America	(21) 2029226	Ping Zhang
(51) C09C 1/50	(22) 22.09.2021	(31) 202111151860.1
(21) 2033169	(54) ODORIZATION DEVICE FOR	(32) 29.09.2021
(22) 28.09.2022	COMBUSTABLE GAS AND METHOD	(33) China
(54) METHODS OF PRODUCING CARBON	FOR DISPENSING ODOUR GAS IN A	(51) E02D 7/00
BLACKS FROM LOW-YIELDING	GAS FLOW	(21) 2029259
FEEDSTOCKS AND PRODUCTS MADE	(71) Stichting NHL Stenden Hogeschool	(22) 27.09.2021
FROM SAME	N.V. Nederlandse Gasunie	(54) Helical pile template
(71) Cabot Corporation	(74) dr. ir. G.J.C. Verdijck c.s.	(71) Heerema Marine Contractors Nederland
(74) ir. H.A. Witmans c.s.	(72) Luewton Lemos Felicio Agostinho	SE
(72) David M. Matheu	Wilhelmus Johannes Maria Keesom	(74) ir. J.C. Volmer c.s.
Frederick H. Rumpf		(72) Marius Gabriël Ottolini

Paul Antonius Alphonsus Geene	(51) E21C 41/18	(41) 29.03.2023
(41) 31.03.2023	(21) 2032437	(51) F24C 15/20
(51) E04B 1/24	(22) 11.07.2022	(21) 2029271
(21) 2031073	(54) NON-TEACHING MEMORIZING COAL	(22) 29.09.2021
(22) 24.02.2022	CAVING SYSTEM WITH TOP-COAL	(54) Air recirculation device for fume
(54) PREFABRICATED STEEL FRAME	CAVING HYDRAULIC SUPPORTS IN	extraction
EMBEDDED VERTICAL HIDDEN JOINT	INTELLIGENT COMPREHENSIVELY-	(71) INTELL PROPERTIES B.V.
WALLBOARD STRUCTURE AND	MECHANIZED TOP COAL CAVING	(74) dr. R.C. van Duijvenbode c.s.
CONSTRUCTION METHOD	FACE	(72) Arie-Jan Schoenmaker
(71) Jiangsu Vocational Institute of	(71) CHINA UNIVERSITY OF MINING AND	Ramon Gerard Berthil Lammersen
Architectural Technology	TECHNOLOGY	Johannes Versteeg
(74) ir. M.B. Plaggenborg	(74) drs. C.M.A. Quintelier	Wouter Koomen
(72) Bin Du	(72) Zhongbin Wang	Jos Winters
Junqiang Wang	Dong Wei	(51) F25B 49/00
Shiyun Xu	Chao Tan	F24D 19/10
(31) 202111129446.0	Lei Si	(21) 2032724
(32) 26.09.2021	Xuliang Lu	(22) 10.08.2022
(33) China	Songyong Liu	(54) COLD AND HOT WATER MACHINE
(51) E04G 5/08	Haifeng Yan	AND PROCESSOR THEREOF, AND
E04G 1/15	Jiahao Li	OPERATION CONTROL METHOD
(21) 2029592	Xinhua Liu	(71) Zhejiang Zhongguang Electrical
(22) 02.11.2021	Hongxiang Jiang	Appliance Shares Co., Ltd
(54) Vloerdeel voor een steiger, en	(31) 202111130410.4	(74) ir. M.B. Plaggenborg
steigersysteem	(32) 26.09.2021	(72) Xiaojun Yuan
(71) Scaфом Holding B.V.	(33) China	Jianjun Jiang
(74) ir. H.A. Witmans c.s.	(51) E21D 9/00	Yongjun Ling
(72) Franciscus Jozef Leonardus Hubertus	F42D 1/00	Weiping Wang
Brinkmann	(21) 2032914	(31) 202111135902.2
(41) 31.03.2023	(22) 31.08.2022	(32) 27.09.2021
(51) E06C 1/22	(54) Tunnelling method for preventing rock	(33) China
E06C 7/48	burst in high stress area	(51) G01N 21/64
E06C 7/50	(71) Zaozhuang University	C07C 251/24
E06C 1/12	(74) dr. T. Wittop Koning PhD	(21) 2030223
(21) 2029224	(72) Hongkai Chen	(22) 22.12.2021
(22) 22.09.2021	Shengjuan Wang	(54) MOLECULAR PROBE CAPABLE OF
(54) PORTABLE LADDER WITH A STAND	Pengpeng Jiao	DYNAMICALLY DETECTING Fe ³⁺ and
OFF DEVICE	Yongfa Huang	Al ³⁺ IN WATER AND USE THEREOF
(71) Lampe Holding B.V.	Bin Liu	(71) Dezhou University
(74) ir. J.C. Volmer c.s.	(31) 202210963845.5	(74) ir. W.J.J.M. Kempes
(72) Marcel Cornelis Hooiveld	(32) 11.08.2022	(72) Yuting Chen
Caspar Bernard Lampe	(33) China	Hongliang Li
(41) 29.03.2023	(51) F16C 29/00	Fang Wang
(51) E21B 3/02	(21) 2029265	Peng Du
E21B 15/00	(22) 28.09.2021	Hui Hu
(21) 2029257	(54) HEAVY-LOAD AND LOW-NOISE	Jinyong Fan
(22) 27.09.2021	ROLLER ROLLING GUIDE RAIL PAIR	Yanyan Zhang
(54) MOBILE LAND RIG WITH A PIVOTAL	(71) Xianmin Shan	Shikai Liu
TOP DRIVE UNIT	(74) ir. W.J.J.M. Kempes	(31) 202111145898.8
(71) Itrec B.V.	(72) Xianmin Shan	(32) 28.09.2021
(74) ir. J.C. Volmer c.s.	(51) F16D 25/0635	(33) China
(72) Arthur Alexander de Mul	F16D 48/06	(51) G01N 33/24
(41) 31.03.2023	(21) 2029272	(21) 2032661
(51) E21B 33/12	(22) 29.09.2021	(22) 02.08.2022
C04B 28/18	(54) CLUTCH SYSTEM FOR A DRIVE	(54) MONITORING DEVICE AND SOIL
C09K 8/42	SYSTEM	IMPROVEMENT METHOD FOR TEA
(21) 2032858	(71) DAF Trucks N.V.	PLANT IN TEA GARDENS
(22) 26.08.2022	(74) ir. H.A. Witmans c.s.	(71) Guizhou University
(54) SWELLABLE METAL MATERIAL WITH	(72) Albertus Clemens Maria van der Knaap	Guizhou Academy of Sciences
SILICA	(41) 04.04.2023	(74) dr. T. Wittop Koning PhD
(71) Halliburton Energy Services, Inc.	(51) F16M 11/24	(72) Jiachun Zhang
(74) dr. ir. F.M. van Bouwelen	F16M 11/18	Xianping Zeng
(72) Michael Linley Fripp	F16M 11/10	Guiting Mu
Cem Sonat	(21) 2029225	Zhenming Zhang
Shashwat Shukla	(22) 22.09.2021	Daigang Xu
(31) 17/487,970	(54) a display screen device	Xianliang Wu
(32) 28.09.2021	(71) Prowise B.V.	(31) 202210054403.9
(33) United States of America	(74) ir. A. Blokland c.s.	(32) 18.01.2022
	(72) Jeichienus Johannes van der Werff	

(33) China	SERVICE DRIVEN BY APPLICATION SCENARIO	(72) Diego Caratelli Guilherme Theis
(51) G01S 15/10		(41) 04.04.2023
G01S 15/96	(71) Fuzhou University	(51) H02J 9/06
(21) 2033086	(74) dr. J. van Straaten	H02J 7/00
(22) 20.09.2022	(72) Xing Chen	(21) 1044175
(54) SCANNING TRANSMISSION METHOD AND SYSTEM FOR DETECTION SIGNALS TRANSMITTED BY OMNIDIRECTIONAL MULTI-BEAM FISH FINDER	Yi Wang Zhenghao Li Xiaona Chen Yan Chen	(22) 29.09.2021
(71) Fishery Machinery and Instrument Research Institute, Chinese Academy of Fishery Sciences	(41) 31.03.2023	(54) WERKWIJZE EN INRICHTING VOOR HET OPVANGEN VAN STORINGEN IN DE ELEKTRISCHE ENERGIEVOORZIENING VAN KLEINE APPARATEN EN INSTALLATIES
(74) ir. M.B. Plaggenborg	(51) G06N 3/08	(71) Technisch Adviesburo H.J. Klip
(72) Yuhong Yang	G06F 3/01	(72) Hendrik Johannes Klip
Taolin Tang	A61B 5/375	(51) H02P 21/13
Ke Wei	(21) 1044171	H02P 27/08
Guodong Li	(22) 22.09.2021	(21) 2032530
Zhijun Wang	(54) A method performed by an information processing device, a program product and a system for processing context related operational and human mental brain activity data.	(22) 18.07.2022
Jing Cheng	(71) Zander Laboratories B.V.	(54) PERMANENT MAGNET SYNCHRONOUS MOTOR CONTROL APPARATUS AND METHOD BASED ON SLIDING MODE OBSERVER AND CURRENT PREDICTION
(31) 202111127957.9	(72) Prof. Dr. Thorsten Oliver Zander	(71) Hunan University of Science and Technology
(32) 26.09.2021	Dr. Laurens Ruben Krol	(74) ir. M.B. Plaggenborg
(33) China	(41) 29.03.2023	(72) Zhaohua Liu
(51) G01S 17/89	(51) G07F 17/00	Qiwei Xia
G06T 17/00	A47J 44/00	Zhong Liao
(21) 2031005	(21) 2029276	Lei Chen
(22) 18.02.2022	(22) 29.09.2021	Mingyang Lv
(54) Extraction and Mapping Method of Understory Fuel Load Based on Lidar Point Cloud Data	(54) System and method for providing meal order, preparation and delivery service	Xiaohua Li
(71) Jiangxi Normal University	(71) Remy Robotics SL	(31) 202111165761.9
(74) dr. T. Wittoop Koning PhD	(74) dr. ir. G.J.C. Verdijck c.s.	(32) 30.09.2021
(72) Chao Huang	(72) Vasilii Artemev	(33) China
Zhiwei Wu	Manel Terraza Farré	
Shun Li	Matteo Menna	
(41) 31.03.2023	Iunus Zaitaev	
(51) G03F 7/20	Pablo Carrasco Zanini	
H05G 2/00	Andres Felipe Navas Escobar	
(21) 2032708	John Alexander Hutt	
(22) 09.08.2022	Egor Ivanov	
(54) EUV LIGHT GENERATION APPARATUS, ELECTRONIC DEVICE MANUFACTURING METHOD, AND INSPECTION METHOD	Aleksandr Andreev Min Gu Kwon	
(71) Gigaphoton Inc.	(51) H01B 12/14	
(74) ir. H.A. Witmans c.s.	H01B 7/42	
(72) Yuichi Nishimura	H01R 9/05	
Yoshifumi Ueno	(21) 2029241	
(31) 2021-158209	(22) 24.09.2021	
(32) 28.09.2021	(54) Co-axial interconnect for low temperature applications	
(33) Japan	(71) Leiden Cryogenics B.V.	
(51) G06F 3/06	(74) ir. F.A. Geurts c.s.	
(21) 2031779	(72) Oleksander Usenko	
(22) 04.05.2022	Giorgio Frossati	
(54) DATA STORAGE MANAGEMENT METHOD AND SYSTEM FOR ONLINE ANALYSIS READY IMAGE AND GRID CUBE	Arjette de Waard	
(71) Fuzhou University	(41) 31.03.2023	
(74) dr. J. van Straaten	(51) H01Q 21/06	
(72) Jinsongdi Yu	H01Q 9/04	
(41) 31.03.2023	H01Q 9/02	
(51) G06F 8/34	(21) 2029267	
(21) 2032297	(22) 29.09.2021	
(22) 27.06.2022	(54) Antenna device suitable for wireless communications, RF transceiver containing an antenna device, use in wireless communication system of an antenna device.	
(54) AUTOMATIC GENERATION METHOD FOR ANDROID APPLICATION MICRO-	(71) THE ANTENNA COMPANY INTERNATIONAL N.V.	
	(74) ir. H.Th. van den Heuvel c.s.	

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

(51) A01B 49/06	(72) Linghe Wang	Robert Luc Tissingh
(11) 2029261	Xilin Hou	(74) dr. ir. G.J.C. Verdijk c.s.
(47) 04.04.2023	Ying Li	(31) 2029252
(22) 28.09.2021	Hongfei Xu	(32) 24.09.2021
(54) STRAW RETURNING, DEEP	(74) ir. M.B. Plaggenborg	(33) Netherlands
SCARIFICATION, ROTARY TILLAGE, PRESSING COMBINED SOIL PREPARATION MACHINE	(51) A01C 1/06	(51) A01J 27/00
(73) INNER MONGOLIA ACADEMY OF AGRICULTURAL & ANIMAL HUSBANDRY SCIENCES	A01N 43/08	A01J 27/04
(72) Feng Xian	A01P 3/00	(11) 2029237
Wa Gao	A01P 5/00	(47) 31.03.2023
Yuchen Cheng	A01P 7/00	(22) 24.09.2021
Hongju Sun	A01N 43/90	(54) Werkwijze en inrichting voor het ontkorsten van kazen.
Xiaoqing Zhao	(11) 2032050	(73) Dero Beheer BV
Jianzhong Zhang	(47) 29.03.2023	(72) Adriaan Treur
Liyu Chen	(22) 01.06.2022	Kevin Christian Kneppers
Xiaoyong He	(54) NATURAL AND ENVIRONMENTALLY FRIENDLY NON-HEADING CHINESE CABBAGE SEED COATING AGENT AND PREPARATION METHOD	Gerrit Hendrik Lammers
Jianwei Zhang	(73) Nanjing Agricultural University	(74) mr. M.J.I. Koomen c.s.
Yajie Liu	(72) Hongfei Xu	(51) A01K 1/015
Di Wu	Xilin Hou	(11) 2029223
Xiangqian Zhang	Ying Li	(47) 29.03.2023
Zhanyuan Lu	Linghe Wang	(22) 22.09.2021
Dejian Zhang	(74) ir. M.B. Plaggenborg	(54) Dierenverblijf
Xiaoxia Guo	(51) A01G 9/02	(73) Wietse Beheer B.V.
Jun Niu	(11) 2029234	Roland van Asten Beheer B.V.
Dabo Lu	(47) 30.03.2023	(72) Roland Franciscus Marinus van Asten
Zhiyu Wang	(22) 23.09.2021	Wietse van Bokhoven
Huiqing Lan	(54) A PLANT POT	(74) drs. A.A. Jilderda
(74) ir. W.J.J.M. Kempes	(73) Niels van Egmond	(51) A01K 61/95
(51) A01C 1/00	(72) Niels van Egmond	A01K 63/00
A01C 21/00	(74) ir. W.J.J.M. Kempes	(11) 2031374
A01G 22/00	(51) A01G 9/02	(47) 31.03.2023
(11) 2032039	(11) 2029236	(22) 22.03.2022
(47) 29.03.2023	(47) 30.03.2023	(54) TRANSFER AND CLASSIFIED TEMPORARY CULTURE SYSTEM SUITABLE FOR COLLECTION AND TRANSPORTATION OF FISHES FOR DAM
(22) 31.05.2022	(22) 24.09.2021	(73) Fishery Machinery and Instrument Research Institute, Chinese Academy of Fishery Sciences
(54) DIRECT SOWING PLANTING METHOD FOR TROLLIUS CHINENSIS	(54) A WALL SYSTEM FOR PROVIDING A GREEN WALL	(72) Haisheng Zou
(73) Agricultural Biotechnology Center, Ningxia Academy of Agriculture and Forestry Sciences	(73) Sempergreen Vertical Systems B.V.	Liqun Lin
(72) Yuchao Chen	(72) Corné van Garderen	Zhiyong Wang
Xiaoyan Gan	(74) ir. J.P.E. Brants	Zhiqiang Xu
Shenghu Guo	(51) A01G 22/15	(74) ir. M.B. Plaggenborg
Li Tian	A01G 22/25	(51) A01K 61/95
(74) ir. M.B. Plaggenborg	A01G 31/02	A01K 63/00
(51) A01C 1/00	C05D 9/02	E02B 8/08
A01N 43/90	(11) 2030699	(11) 2031370
(11) 2032051	(47) 30.03.2023	(47) 31.03.2023
(47) 29.03.2023	(22) 25.01.2022	(22) 22.03.2022
(22) 01.06.2022	(54) METHOD FOR GROWING LEAF VEGETABLES AND/OR HERBS AND/ OR POTATO PLANTS AND DEVICE THERE FOR	(54) FISH COLLECTING DEVICE SUITABLE FOR FISH COLLECTION AND TRANSPORTATION SYSTEM FOR DAM
(54) DISEASE-RESISTANT AND INSECT- RESISTANT PRIMING AGENT FOR SMALL NON-HEADING CHINESE CABBAGE SEED AND USE THEREOF	(73) Ronaldus Cornelis Maria Peters Ferr Tech B.V.	(73) Fishery Machinery and Instrument Research Institute, Chinese Academy of Fishery Sciences
(73) Nanjing Agricultural University	(72) Ronaldus Cornelis Maria Peters Thomas Peters	(72) Zhiqiang Xu
Nanjing Suman Plasma Engineering Research Institute Co., Ltd.	Hendricus Johannes Richard Bruins	Haisheng Zou
	Theun Peters	Liqun Lin
	Sina Samimi-Sedeh	Zhiyong Wang

- | | | |
|--|---|--------------------------------------|
| (74) ir. M.B. Plaggenborg | (54) MECHANIZED DEVICE FOR DEVELOPMENT AND ENZYME | ACTIVITY OF LARIMICHTHYS |
| (51) A01K 63/00 | GATHERING CULTURED OBJECTS | CROCEA LARVAE |
| (11) 2031373 | CULTURED IN SHIPBORNE CABIN | |
| (47) 31.03.2023 | (73) Fishery Machinery and Instrument | (73) Ocean University of China |
| (22) 22.03.2022 | Research Institute, Chinese Academy of | (72) Qinghui Ai |
| (54) HARVESTING SYSTEM AND METHOD | Fishery Sciences | Yongtao Liu |
| FOR CULTURE CABIN OF CULTURE | (72) Mingchao Cui | Youqing Miao |
| WORK BOAT | Jing Wang | Ning Xu |
| (73) Fishery Machinery and Instrument | Chencheng Zhu | Tao Ding |
| Research Institute, Chinese Academy of | Jiaohui Jin | Kangsen Mai |
| Fishery Sciences | (74) ir. M.B. Plaggenborg | (74) ir. M.B. Plaggenborg |
| (72) Zhiyong Wang | (51) A01N 3/00 | (51) A23L 31/00 |
| Mingchao Cui | C07D 307/93 | A23L 33/105 |
| Zhiqiang Xu | (11) 2032038 | (11) 2031448 |
| Zhixin Shen | (47) 29.03.2023 | (47) 31.03.2023 |
| (74) ir. M.B. Plaggenborg | (22) 31.05.2022 | (22) 30.03.2022 |
| (51) A01K 63/00 | (54) FRESH-KEEPING AGENT FOR | (54) METHOD FOR PREPARING STOMACH- |
| E02B 8/08 | GASTRODIA ELATA TUBERS, | NOURISHING STEAMED SPONGE |
| A01K 63/04 | PREPARATION THEREOF, AND | CAKE |
| A01K 75/02 | FRESH-KEEPING METHOD FOR | (73) Hangzhou Vocational & Technical |
| A01K 69/00 | GASTRODIA ELATA TUBERS USING | College |
| (11) 2031369 | THE SAME | (72) Ying Liu |
| (47) 31.03.2023 | (73) Institute of Chinese Materia Medica, | Dewen Chen |
| (22) 22.03.2022 | China Academy of Chinese Medical | Leqin Ke |
| (54) ESCAPE-PROOF DEVICE SUITABLE | Sciences | Min Wu |
| FOR FISH COLLECTION AND | (72) Tianrui Liu | Da He |
| TRANSPORTATION SYSTEM FOR DAM | Yuan Yuan | Ping Tang |
| (73) Fishery Machinery and Instrument | Yuchao Chen | Zhi Mingyu |
| Research Institute, Chinese Academy of | Luqi Huang | Suxia Zheng |
| Fishery Sciences | (74) ir. M.B. Plaggenborg | (74) drs. C.M.A. Quintelier |
| (72) Liqun Lin | (51) A01N 65/00 | (51) A47B 81/06 |
| Haisheng Zou | A01P 3/00 | G09B 5/06 |
| Zhiqiang Xu | C05G 3/00 | G09B 19/00 |
| (74) ir. M.B. Plaggenborg | A01P 21/00 | B43L 1/04 |
| (51) A01K 69/06 | (11) 2031431 | (11) 2031629 |
| (11) 2031375 | (47) 31.03.2023 | (47) 31.03.2023 |
| (47) 31.03.2023 | (22) 29.03.2022 | (22) 19.04.2022 |
| (22) 22.03.2022 | (54) COMPOUND PREPARATION | (54) A DOUBLE-SIDED ADJUSTABLE |
| (54) FISH GATHERING AND BLOCKING | CONTAINING EDIBLE MUSHROOM | MULTI-FUNCTIONAL DISPLAY |
| DEVICE FOR DAM | DREG EXTRACTS FOR MELON | TEACHING AID FOR IDEOLOGY AND |
| (73) Fishery Machinery and Instrument | CROPS | POLITICS EDUCATION IN UNIVERSITY |
| Research Institute, Chinese Academy of | (73) SHANDONG AGRICULTURAL | (73) Guizhou Education University |
| Fishery Sciences | TECHNOLOGY PROMOTION CENTER | (72) Yunyun Si |
| (72) Zhiyong Wang | SHANDONG ACADEMY OF | (74) ir. M.B. Plaggenborg |
| Haisheng Zou | AGRICULTURAL SCIENCES | (51) A47J 31/04 |
| Zhiqiang Xu | INSTITUTE OF AGRICULTURAL | B62B 5/00 |
| Liqun Lin | RESOURCES AND ENVIRONMENT | B62B 3/00 |
| (74) ir. M.B. Plaggenborg | (72) Hui Cui | (11) 2029263 |
| (51) A01K 74/00 | Peng Yang | (47) 04.04.2023 |
| (11) 2031368 | Shufang Zhao | (22) 28.09.2021 |
| (47) 31.03.2023 | Jin Li | (54) Mobiel koffiezetapparaat |
| (22) 22.03.2022 | Zhiyuan Gong | (73) Kaars Koffie B.V. |
| (54) NET DRIVING DEVICE FOR | Jiandong Han | (72) Paul Kaars |
| AQUACULTURE WORKING VESSEL | Xia Gao | (74) dr. ir. G.J.C. Verdijck c.s. |
| AND OPERATING METHOD THEREOF | Luchang Wan | (51) A61B 5/00 |
| (73) Fishery Machinery and Instrument | Chunyan Huang | A61B 5/01 |
| Research Institute, Chinese Academy of | Qiang Yao | (11) 2031993 |
| Fishery Sciences | Hongyan Xie | (47) 31.03.2023 |
| (72) Zhixin Shen | (74) ir. M.B. Plaggenborg | (22) 26.05.2022 |
| Yaoming Zhang | (51) A23K 10/18 | (54) A POSITIONING MECHANISM OF |
| Zhiqiang Xu | A23K 10/22 | INFRARED THERMAL IMAGING |
| Liqun Lin | A23K 20/10 | INSTRUMENT FOR DETECTING |
| (74) ir. M.B. Plaggenborg | A23K 50/80 | PARATHYROID GLAND OF HUMAN |
| (51) A01K 74/00 | (11) 2031720 | BODY |
| (11) 2031372 | (47) 31.03.2023 | (73) PLA AIR FORCE MILITARY MEDICAL |
| (47) 31.03.2023 | (22) 27.04.2022 | UNIVERSITY |
| (22) 22.03.2022 | (54) COMPOUND FEED ADDITIVE | (72) Mengxuan Li |
| | FOR PROMOTING INTESTINAL | Jing Fan |

Ting Wang	A61P 35/00	(22) 24.09.2021
Jing Kong	(11) 2032675	(54) Drive for polygonal Ferris wheel
Yidi Wang	(47) 31.03.2023	(73) Cobra Beheer B.V.
Songpeng Li	(22) 04.08.2022	(72) Albert Louisito Phillipus Kroon
Huimin Meng	(54) INONOTUS OBLIQUUS DEXTRAN	(74) dr. R.C. van Duijvenbode c.s.
(74) ir. M.B. Plaggenborg	AND PREPARATION METHOD AND	(51) A63G 27/00
(51) A61B 17/11	APPLICATION THEREOF	(11) 2029240
(11) 2029264	(73) Jilin Agricultural University	(47) 30.03.2023
(47) 04.04.2023	(72) Yu Yang	(22) 24.09.2021
(22) 28.09.2021	Qi Wang	(54) Ballasted liftable support frame for
(54) Device for performing anastomosis	Yang Liu	Amusement Ride
(73) Implican B.V.	Ling Su	(73) Cobra Beheer B.V.
Rijksuniversiteit Groningen	(74) dr. T. Wittop Koning PhD	(72) Albert Louisito Phillipus Kroon
Academisch Ziekenhuis Groningen	(31) 202210305707.8	(74) dr. R.C. van Duijvenbode c.s.
(72) Klaas Havenga	(32) 25.03.2022	(51) A63G 27/00
Ivo Kooijman	(33) China	(11) 2029242
(74) ir. H.A. Witmans c.s.	(51) A61K 36/714	(47) 30.03.2023
(51) A61F 5/042	A61P 29/00	(22) 24.09.2021
(11) 2029270	(11) 2032364	(54) Tilttable Mast
(47) 04.04.2023	(47) 31.03.2023	(73) Cobra Beheer B.V.
(22) 29.09.2021	(22) 04.07.2022	(72) Albert Louisito Phillipus Kroon
(54) Lower Limb Traction Belt for Preventing	(54) METHOD FOR PROCESSING	(74) dr. R.C. van Duijvenbode c.s.
Ankle Pressure Sore	TRADITIONAL CHINESE MEDICINE	(51) A63G 27/00
(73) NINGBO COLLEGE OF HEALTH	RADIX ACONITI	(11) 2029247
SCIENCES	(73) Jiangxi University of Chinese Medicine	(47) 31.03.2023
(72) Jing Yang	(72) Jing Zhu	(22) 24.09.2021
Ning Sun	Lingyun Zhong	(54) Amusement ride and method of
Chunbo Liu	Ming Yang	assembly
Yan Wang	Qianfeng Gong	(73) Cobra Beheer B.V.
Hongchang Peng	Xietao Ye	(72) Albert Louisito Phillipus Kroon
(74) ir. W.J.J.M. Kempes	Xide Ye	(74) dr. R.C. van Duijvenbode c.s.
(51) A61F 5/445	Yi Huang	(51) B01F 31/44
(11) 2029266	Hengli Tong	B01F 33/40
(47) 04.04.2023	Huan Yu	B01F 31/445
(22) 28.09.2021	Fang Wang	B01F 33/453
(54) Werkwijze voor het vervaardigen van een	Hui Fan	B01F 27/86
op maat gemaakte stomaplaat	(74) ir. M.B. Plaggenborg	(11) 2031477
(73) Jolanda Nieling	(51) A61K 49/00	(47) 31.03.2023
(72) Jolanda Nieling	(11) 2031809	(22) 01.04.2022
(74) ir. G.J.M. Verhees	(47) 31.03.2023	(54) PROCESSING EQUIPMENT AND
(51) A61H 31/00	(22) 09.05.2022	PROCESSING TECHNOLOGY OF GEL
(11) 2029239	(54) USE OF OATP1B3 IN PREPARATION	MICROSPHERE MATERIAL
(47) 31.03.2023	OF MAGNETIC RESONANCE/	(73) SUZHOU YISHENG OPTICAL
(22) 24.09.2021	NEAR INFRARED REPORTER FOR	MATERIAL CO., LTD.
(54) Een hulpmiddel voor gebruik bij	MONITORING AND/OR IN VIVO	(72) Xin Zhao
reanimatie	TRACKING OF TRANSPLANTED CELL	Dawei Tian
(73) SimCPR Holding B.V.	(73) SHENZHEN UNIVERSITY	Jianfei Zhu
(72) Harmen Jacob Palsma	PEKING UNIVERSITY	Dong Shen
(74) ir. B.J. 't Jong	(72) Jinqi Liao	Jiang Zhao
(51) A61J 1/10	Mingzhuang Chen	(74) ir. W.J.J.M. Kempes
A61M 3/02	Yunzhi Zhao	(31) 202111132782.0
A61J 1/20	Ting Wang	(32) 27.09.2021
(11) 2029262	Arshad Pedhiar	(33) China
(47) 04.04.2023	Guangqian Zhou	(51) B01J 49/53
(22) 28.09.2021	(74) ir. M.B. Plaggenborg	B01J 47/028
(54) Enema Bag Convenient for Accurately	(51) A61L 9/12	B01J 49/57
Controlling Proportion of Enema Liquid	(11) 2029229	C12P 19/02
(73) NINGBO COLLEGE OF HEALTH	(47) 30.03.2023	(11) 2032499
SCIENCES	(22) 23.09.2021	(47) 30.03.2023
(72) Jing Yang	(54) Dispensing system for dispensing a fluid	(22) 14.07.2022
Shuping Zhou	into the atmosphere	(54) METHOD FOR REMOVING INORGANIC
Jianli Hu	(73) KSP Holding B.V.	SALT IN MANNANOSE MOTHER
Hongchang Peng	(72) Bram van de Molengraaf	SOLUTION BY USING ION RESIN
Yilun Xu	Dennis Alexander Stefan van Duijnhoven	(73) Syngars Technology Co., Ltd.
(74) ir. W.J.J.M. Kempes	(74) ir. A. Blokland c.s.	(72) Honghui Chen
(51) A61K 36/07	(51) A63G 27/00	Liqun Jiang
C12P 19/08	(11) 2029250	Jinfa Fang
	(47) 31.03.2023	

Wei Zheng (74) ir. M.B. Plaggenborg (31) 202111081916.0 (32) 15.09.2021 (33) China	(72) Shicong Kou Peng Cui Fuming Luo (74) ir. M.B. Plaggenborg (31) 202110575370.8 (32) 26.05.2021 (33) China	(54) Transport space having a movable product discharging floor (73) Rondveld B.V. (72) Hubertus Adrianus Johannes Catharina van Schijndel (74) ir. H.A. Witmans c.s.
(51) B09C 1/00 C09K 17/08 (11) 2031329 (47) 31.03.2023 (22) 18.03.2022 (54) ANTIMONY-CONTAMINATED SOIL STABILIZATION AGENT BASED ON CLAY MINERAL DOPING AND PREPARATION METHOD THEREOF (73) Southeast University (72) Shiji Zhou Yanjun Du Huiyang Sun Hang Yuan Qing Zhang (74) ir. W.J.J.M. Kempes	(51) B29B 17/04 B02C 4/08 B02C 4/08 (11) 2032735 (47) 29.03.2023 (22) 11.08.2022 (54) CRUSHING DEVICE AND PROCESS FOR RUBBER POWDER (73) Mianyang Ruiyang New Material Technology Development Co. , Ltd. (72) Duoxiao Wang (74) ir. M.B. Plaggenborg	(51) B62B 3/04 B62B 3/10 (11) 2029274 (47) 04.04.2023 (22) 29.09.2021 (54) Box-Free Shell-like Logistics Delivery Rack (73) Hangzhou Vocational and Technical College (72) Yueyi Xia Pingping Sun Lin'gang Gu Fuhai Liu Wei Meng (74) V. Mellet
(51) B22F 9/08 B82Y 40/00 (11) 2031217 (47) 31.03.2023 (22) 09.03.2022 (54) NOVEL PREPARATION METHOD OF NANO METALLIC RUBIDIUM (73) Hebei Rubidium and Cesium Technology Co., Ltd. Hebei Zhuhe Group Xinglong County Mining Co., Ltd. (72) Zhiguo Zhang Guanghe Yang Lianzhu Fan Qian Zhao Wenhong Li Haoming Bao Weiping Cai Guozheng Li Hongwen Zhang Rouying Li (74) ir. M.B. Plaggenborg	(51) B29D 30/32 B29D 30/14 (11) 2029249 (47) 30.03.2023 (22) 24.09.2021 (54) Stitcher, tire building machine comprising said stitcher and method for stitching a tire component (73) VMI Holland B.V. (72) Herman Sebastiaan Scherpenhuizen René Smit Martin de Graaf (74) ir. F.A. Geurts c.s.	(51) B62B 7/08 B62B 9/20 B62B 7/06 (11) 2029222 (47) 29.03.2023 (22) 22.09.2021 (54) Folding stroller (73) Royalty Bugaboo GmbH (72) Frank Jacob Paul de Vries Rutger Cornelis Simon Koopman Jacob Geert Arie den Boer (74) ir. W.J.J.M. Kempes
(51) B25B 11/00 (11) 2031871 (47) 29.03.2023 (22) 16.05.2022 (54) AN IN-SITU SUCCESSIVELY FIXING ROLLING TYPE HOLDING DEVICE FOR USE IN A LOW-TEMPERATURE ENVIRONMENTAL TEST CHAMBER (73) NORTHWESTERN POLYTECHNICAL UNIVERSITY (72) Yunhui Zhang Yongjie Zhang Guisen Luo (74) ir. M.B. Plaggenborg	(51) B33Y 10/00 B22F 1/00 B22F 3/00 (11) 2029233 (47) 30.03.2023 (22) 23.09.2021 (54) LOW-COST INDIRECT 3D PRINTING METHOD OF TITANIUM-ALUMINUM INTERMETALLIC COMPOUND (73) LISHUI UNIVERSITY (72) Yongjun Su Peng Xu Na Zhang Yunfeng Lin Xiaoping Ye (74) ir. W.J.J.M. Kempes	(51) B62J 6/00 B62J 6/02 B62J 6/04 (11) 1044170 (47) 29.03.2023 (22) 22.09.2021 (54) LED verlichting voor fietsen met "recht" stuur. (73) Leonardus Philomena Mattheus Zautsen (72) Leonardus Philomena Mattheus Zautsen
(51) B28B 11/24 C04B 40/02 (11) 2031562 (47) 04.04.2023 (22) 12.04.2022 (54) CURING METHOD FOR MAGNESIUM- BASED CEMENT CONCRETE PRODUCTS AND DEDICATED SYSTEM THEREOF (73) Tianying (Shenzhen) Ecological Building Materials Technology Co., Ltd.	(51) B60M 1/26 (11) 2030886 (47) 04.04.2023 (22) 10.02.2022 (54) Holder for a catenary carrier cable supporting an overhead contact wire (73) VolkerWessels Intellectuele Eigendom B.V. (72) M. H Arts (74) dr. R.C. van Duijvenbode c.s. (31) 2027531 (32) 10.02.2021 (33) Netherlands	(51) B63B 1/12 B63B 35/00 (11) 2032808 (47) 29.03.2023 (22) 18.08.2022 (54) MULTIFUNCTIONAL DOUBLE-BODY TYPE UNMANNED MONITORING SHIP FOR WATER ENVIRONMENT (73) China Institute of Water Resources and Hydropower Research (72) Zhen Han Xiaobo Liu Xu Ma Chang Liu Shiyan Wang Jiaxiang Zou Yizhen Tan Yanliang Du Shilin Zhao Jie Wang (74) ir. M.B. Plaggenborg
	(51) B60P 1/36 B60P 1/38 (11) 2029256 (47) 31.03.2023 (22) 27.09.2021	(51) B63B 21/58 (11) 1044173 (47) 30.03.2023

(22) 23.09.2021	Shiyan Wang	H01M 4/583
(54) Winch system for tug comprising a circular rail guiding a winch unit carried by two rail trolleys	Jie Wang	(11) 2031216
(73) M.L.A. Beheer B.V.	Xuefei Bai	(47) 31.03.2023
(72) Dr. Ir. Markus van der Laan	(74) ir. M.B. Plaggenborg	(22) 09.03.2022
(51) B63B 22/00	(51) B64F 5/60	(54) METHOD FOR RAPIDLY PREPARING NANOSCALE AMORPHOUS CARBON
H02J 7/35	(11) 2031872	(73) Hebei Zhuhe Group Xinglong County Mining Co., Ltd.
B63B 22/04	(47) 31.03.2023	Hebei Rubidium and Cesium Technology Co., Ltd.
(11) 2031361	(22) 16.05.2022	(72) Wenhong Li
(47) 31.03.2023	(54) AN ELECTROMAGNETIC RELEASE DEVICE FOR USE IN VERTICAL FALLING TESTS OF TRI-ROTOR UAVs	Lianzhu Fan
(22) 22.03.2022	(73) NORTHWESTERN POLYTECHNICAL UNIVERSITY	Haoming Bao
(54) ANTI-ICE BUOY STRUCTURE FOR MARINE ENVIRONMENTAL MONITORING	(72) Yongjie Zhang	Guanghe Yang
(73) Dalian University of Technology	Yafeng Wang	Zhiguo Zhang
(72) Dayong Zhang	Yingjie Huang	Lianguo Fan
Xiangfeng Zhang	Zhiwen Li	Qian Zhao
Ning Xu	Kang Cao	Hongwen Zhang
Xin Peng	Yazhou Guo	Weiping Cai
Qixin Lv	(74) ir. M.B. Plaggenborg	Guozheng Li
Shuai Yuan	(51) B65B 13/06	Rouying Li
Guojun Wang	(11) 2029238	(74) ir. M.B. Plaggenborg
Yanghua Fu	(47) 31.03.2023	(51) C02F 9/00
(74) ir. W.J.J.M. Kempes	(22) 24.09.2021	(11) 2029235
(51) B63B 25/12	(54) Assembly, strap guiding device and method for providing a bulky item with a strap	(47) 30.03.2023
(11) 2031376	(73) Tebulo Industrial Automation B.V.	(22) 23.09.2021
(47) 31.03.2023	(72) Johan Spaans	(54) METHOD TO REMOVE SALTS AND/OR IONS, IN PARTICULAR SODIUM, FROM DRAIN WATER AND WASTEWATER
(22) 22.03.2022	(74) dr. R.C. van Duijvenbode c.s.	(73) Triqua International B.V.
(54) A SHIP LIQUID TANK FIXING SYSTEM	(51) B65B 25/04	(72) Carolus Wilhelmus Maria de Bruijn
(73) Fishery Machinery and Instrument Research Institute, Chinese Academy of Fishery Sciences	A01G 18/70	Arnaud Marinus Aart Duine
(72) Yaoming Zhang	(11) 2030561	(74) dr. ir. G.J.C. Verdijck c.s.
Zhiqiang Xu	(47) 29.03.2023	(51) C02F 9/00
Liqun Lin	(22) 14.01.2022	E03B 3/02
(74) ir. M.B. Plaggenborg	(54) Werkwijze en inrichting voor het verwerken van champignons	E03F 1/00
(51) B63C 3/04	(73) Jacobus Alexander Jozef Lemmen	(11) 2032774
B63C 3/06	(72) Jacobus Alexander Jozef Lemmen	(47) 31.03.2023
B63C 3/08	(74) ir. M. van der Velden	(22) 17.08.2022
B63C 3/10	(31) 2029220	(54) DEVICE FOR RECYCLING RAINWATER RESOURCES BY SPONGE MEASURES
B63C 3/12	(32) 22.09.2021	(73) Hebei Institute of Water Science
(11) 1044169	(33) Netherlands	(72) Wei Chen
(47) 03.04.2023	(51) B67C 3/24	Dasheng Zhang
(22) 22.09.2021	B67C 7/00	Tingyu Chen
(54) Inrichting voor het vanaf de wal in het water lossen van een cilindrisch voorwerp zoals een mastelement of fundatie-paal voor een windturbine	B65G 54/02	Wanxiang Ai
(73) TMS Technical & Maritime Services BV	(11) 2029228	Boxin Wang
(72) ing Jacobus Albertus van Driel	(47) 30.03.2023	(74) dr. T. Wittop Koning PhD
(51) B63C 11/52	(22) 23.09.2021	(51) C04B 24/12
G01N 33/18	(54) A system for processing containers during transport	C04B 24/26
(11) 2031893	(73) Fillix B.V.	C04B 28/04
(47) 31.03.2023	(72) Samuel Agostine Andre Wybo	C09D 1/08
(22) 17.05.2022	Rob Leny Marcel Budé	C09D 5/18
(54) UNDERWATER ROBOT FOR MONITORING ANOXIC AREA OF LAKE OR RESERVOIR	(74) ir. A. Blokland c.s.	C09D 7/43
(73) China Institute of Water Resources and Hydropower Research	(51) C01B 15/037	C09D 7/61
(72) Yizhen Tan	A01N 59/00	C09D 7/62
Chang Liu	A61K 8/22	C09D 7/40
Xiaobo Liu	A61L 2/18	C09J 129/04
Shilin Zhao	(11) 2029251	(11) 2027008
Jiaxiang Zou	(47) 31.03.2023	(47) 31.03.2023
Liang Wang	(22) 24.09.2021	(22) 30.11.2020
Zhen Han	(54) Gestabiliseerd waterstofperoxide	(54) FIREPROOF COATING FOR ALUMINUM ALLOY STRUCTURE OF PREFABRICATED BUILDING
	(73) Cindro Holding B.V.	(73) SICHUAN FIRE RESEARCH INSTITUTE OF MEM
	(72) Thomas Hendrik Johannes Verburg	(72) Zhejiang Zhang
	(74) dr. G. Visser-Luirink	(74) ir. W.J.J.M. Kempes
	(51) C01B 32/15	

(31) 201911334122.3	(51) E02B 8/08	(54) Tunnelling method for preventing rock burst in high stress area
(32) 23.12.2019	(11) 2031371	(73) Zaozhuang University
(33) China	(47) 31.03.2023	(72) Hongkai Chen
(51) C07H 1/08	(22) 22.03.2022	(72) Shengjuan Wang
C07H 17/07	(54) FISH COLLECTION AND TRANSPORTATION SYSTEM FOR DAM AND FISH COLLECTION AND TRANSPORTATION METHOD THEREOF	(72) Pengpeng Jiao
(11) 2030730	(73) Fishery Machinery and Instrument Research Institute, Chinese Academy of Fishery Sciences	(72) Yongfa Huang
(47) 31.03.2023	(72) Haisheng Zou	(72) Bin Liu
(22) 26.01.2022	(72) Zhiqiang Xu	(74) dr. T. Wittop Koning PhD
(54) METHOD FOR PREPARING TILIANIN	(72) Liqun Lin	(31) 202210963845.5
(73) The First Affiliated Hospital of Shihezi University School of Medicine	(74) ir. M.B. Plaggenborg	(32) 11.08.2022
(72) Wenjiang Cao	(51) E02D 7/00	(33) China
Xinchun Wang	(11) 2029259	(51) E21D 11/10
Chuansheng Huang	(47) 31.03.2023	(11) 2032200
Xinhong Guo	(22) 27.09.2021	(47) 31.03.2023
Yong Yuan	(54) Helical pile template	(22) 17.06.2022
Yunli Zhao	(73) Heerema Marine Contractors Nederland SE	(54) GUNITE SPRAYING MANIPULATOR WITH HEXAPOD TRAVELING DEVICE
(74) ir. M.B. Plaggenborg	(72) Marius Gabriël Ottolini	(73) Qingdao Nakong Intelligent Technology Co., Ltd.
(51) C10L 1/32	Paul Antonius Alphonsus Geene	SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
C10L 7/02	(74) ir. J.C. Volmer c.s.	(72) Liangsong Huang
C10L 11/00	(51) E04G 5/08	Kailin Feng
C10L 11/04	E04G 1/15	Yuxia Li
C10L 11/06	(11) 2029592	Kun Zhang
(11) 2029254	(47) 31.03.2023	Mingchao Du
(47) 31.03.2023	(22) 02.11.2021	Guanguo Ma
(22) 27.09.2021	(54) Vloerdeel voor een steiger, en steigersysteem	Shumei Liu
(54) FIRELIGHTER GEL	(73) Scaфом Holding B.V.	Bin Cui
(73) Kemetyl Nederland B.V.	(72) Franciscus Jozef Leonardus Hubertus Brinkmann	(74) ir. M.B. Plaggenborg
(72) Johannes Cornelis Joseph van Wegen	(74) ir. H.A. Witmans c.s.	(51) F16C 29/00
Willem Peter Blokpoel	(51) E06C 1/22	(11) 2029265
(74) ir. H.A. Witmans c.s.	E06C 7/48	(47) 04.04.2023
(51) C10L 3/00	E06C 7/50	(22) 28.09.2021
(11) 2029226	E06C 1/12	(54) HEAVY-LOAD AND LOW-NOISE ROLLER ROLLING GUIDE RAIL PAIR
(47) 29.03.2023	(11) 2029224	(73) Xianmin Shan
(22) 22.09.2021	(47) 29.03.2023	(72) Xianmin Shan
(54) ODORIZATION DEVICE FOR COMBUSTABLE GAS AND METHOD FOR DISPENSING ODOUR GAS IN A GAS FLOW	(22) 22.09.2021	(74) ir. W.J.J.M. Kempes
(73) Stichting NHL Stenden Hogeschool N.V. Nederlandse Gasunie	(54) PORTABLE LADDER WITH A STAND OFF DEVICE	(51) F16D 25/0635
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(72) Zhongmei Yang	(73) Itrec B.V.	F16M 11/10
(74) ir. M.B. Plaggenborg	(72) Arthur Alexander de Mul	(11) 2029225
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(73) Research Institute of Highway Ministry of Transport	(22) 31.08.2022	(74) ir. A. Blokland c.s.
(72) Huayang He		(51) F24C 15/20
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(74) ir. M.B. Plaggenborg		(47) 04.04.2023
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A61B 5/375
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(72) Prof. Dr. Thorsten Oliver Zander
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- (51) G07F 17/00
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- (11) 2029276
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(72) Vasilii Artemev
Manel Terraza Farré
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Pablo Carrasco Zanini
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(72) I-Chien Lin
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- (73) Leiden Cryogenics B.V.
(72) Oleksander Usenko
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- (73) THE ANTENNA COMPANY INTERNATIONAL N.V.
(72) Diego Caratelli
Guilherme Theis
(74) ir. H.Th. van den Heuvel c.s.
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- (11) 1044175
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(54) WERKWIJZE EN INRICHTING VOOR HET OPVANGEN VAN STORINGEN IN DE ELEKTRISCHE ENERGIEVOORZIENING VAN KLEINE APPARATEN EN INSTALLATIES
- (73) Technisch Adviesburo H.J. Klip
(72) Hendrik Johannes Klip

NP3

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

EP1

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B33Y 50/02	B33Y 40/20	B33Y 50/02
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B33Y 70/00	B29C 64/153	(54) METHOD FOR PRODUCING SEALING STRIP AND SEALING STRIP
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(21) EP18748154.4	B22F 10/31	(72) Nauck, Helmar
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(72) Yuasa, Ryohei	B22F 10/85	(51) B29C 70/56
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B33Y 70/00	B22F 12/67	(11) EP3536490
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(54) COMPONENT AND METHOD FOR THE PRODUCTION THEREOF	(72) IWAMOTO, Tomoyuki FUKUDA, Hideki HINENO, Yoshikatsu OKUDOMI, Naoto FUKUI, Takeshi OCHIAI, Satoshi HAJIKANO, Akihiko	(73) Samsung Electronics Co., Ltd. (72) CHO, Joungmin KIM, Harksang KIM, Jiyong AN, Jungchul LEE, Sungjun KIM, Kwangtai YEOM, Donghyun
(73) Adient Luxembourg Holding S.à r.l. (72) JANZ, Michael PROGSCHA, Rainer	(51) B29D 30/16 B25J 9/00 B25J 9/02 B29D 30/46 B26D 3/00 B26D 1/153 B29D 30/30 B26D 1/28 B26D 1/26	(31) 20190019545 (32) 19.02.2019 (33) Korea (Republic)
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(51) B29C 73/02 (11) EP3736118 (21) EP20158901.7 (47) 05.04.2023 (22) 21.02.2020	(54) REPAIR DEVICE AND COMPOSITE MATERIAL REPAIR METHOD	B32B 3/26 B32B 5/02 B32B 5/16 B32B 5/30 B32B 7/04 B32B 7/12 B32B 25/04 B32B 25/10 B32B 25/14 B32B 25/16 B32B 27/08 B32B 27/12 B32B 27/22 B29K 23/00 B29K 105/16 B29K 509/02 B29L 7/00 B29L 9/00 B32B 37/04 B32B 37/12 B32B 37/18 B29K 105/04
(54) REPAIR DEVICE AND COMPOSITE MATERIAL REPAIR METHOD	(73) Mitsubishi Heavy Industries, Ltd. (72) HATTORI, Hidetaka (31) 2019076052 (32) 12.04.2019 (33) Japan	(11) EP3541618 (21) EP17871441.6 (47) 05.04.2023 (87) US2017061042 24.05.2018 (22) 10.11.2017 (54) BREATHABLE FILMS HAVING INCREASED HYDROSTATIC HEAD PRESSURE (73) Berry Film Products Company, Inc. (72) FRANKLIN, Toriano, A. (31) 201662424034 P (32) 18.11.2016 (33) United States of America
(51) B29D 30/02 B60C 7/14 B60C 7/24 B60B 9/26 B60B 3/00 B29C 65/08 B60B 9/02 B60B 9/04 B60B 9/10 B29D 30/26 (11) EP3397464 (21) EP16805577.0 (47) 05.04.2023 (87) US2016060291 06.07.2017 (22) 03.11.2016	(54) MANIPULATOR DEVICE HAVING A TRIANGULAR ARCHITECTURE AND INSTALLATION FOR MANUFACTURING BANDAGES USING SUCH A MANIPULATOR DEVICE FOR PLACING STRIPS	(11) EP3541618 (21) EP17871441.6 (47) 05.04.2023 (87) US2017061042 24.05.2018 (22) 10.11.2017 (54) BREATHABLE FILMS HAVING INCREASED HYDROSTATIC HEAD PRESSURE (73) Berry Film Products Company, Inc. (72) FRANKLIN, Toriano, A. (31) 201662424034 P (32) 18.11.2016 (33) United States of America
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(51) B29D 30/06 B29C 35/02 (11) EP3912781 (21) EP19915742.1 (47) 05.04.2023 (87) JP2019006257 27.08.2020 (22) 20.02.2019	(51) B32B 3/08 B32B 27/08 G06F 3/041 G06F 3/044 B32B 7/12 G06F 1/16 H04M 1/02 G06F 11/30 (11) EP3907581 (21) EP20759255.1	(11) EP3541618 (21) EP17871441.6 (47) 05.04.2023 (87) US2017061042 24.05.2018 (22) 10.11.2017 (54) BREATHABLE FILMS HAVING INCREASED HYDROSTATIC HEAD PRESSURE (73) Berry Film Products Company, Inc. (72) FRANKLIN, Toriano, A. (31) 201662424034 P (32) 18.11.2016 (33) United States of America
(51) B29D 30/06 B29C 35/02 (11) EP3912781 (21) EP19915742.1 (47) 05.04.2023 (87) JP2019006257 27.08.2020 (22) 20.02.2019	(51) B32B 3/08 B32B 27/08 G06F 3/041 G06F 3/044 B32B 7/12 G06F 1/16 H04M 1/02 G06F 11/30 (11) EP3907581 (21) EP20759255.1	(11) EP3541618 (21) EP17871441.6 (47) 05.04.2023 (87) US2017061042 24.05.2018 (22) 10.11.2017 (54) BREATHABLE FILMS HAVING INCREASED HYDROSTATIC HEAD PRESSURE (73) Berry Film Products Company, Inc. (72) FRANKLIN, Toriano, A. (31) 201662424034 P (32) 18.11.2016 (33) United States of America

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F01D 5/28	BÄRTSCH, Christoph	United States of America
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C23C 14/00	(51) B32B 27/08	(72) GROVER, Ikpreet Singh
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(51) B41J 11/00	(72) DÜLME, Christian	(73) SAF-HOLLAND GmbH
H05H 1/24	LORENZ, Stefan	(72) BRUNSCH, Bernd
B41J 11/42	GOCKEL, Michael	MATTERN, Jonas
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(33) Japan	OKAZAKI, Hirokazu	C08L 7/00
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(73) Sumitomo Rubber Industries, Ltd.	F16L 37/35	DÍAZ DE DURANA BAHON, Julio
(72) ITO, Shunsuke	(11) EP3874193	(51) B60H 1/00
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CONDITIONING, AND STATIC OR	ARCHITECTURE FOR A WORK	VEHICLE AND DRIVER INFORMATION
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(73) Harzfeld, Edgar	(73) CNH Industrial Italia S.p.A.	(73) VOLKSWAGEN
(72) HARZFELD, Edgar	(72) FORTE, Michelantonio	AKTIENGESELLSCHAFT
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(22) 05.06.2020	(22) 13.12.2018	A VEHICLE INCLUDING A SOUND
(54) REINFORCEMENT PART FOR	(54) ASSEMBLY OF A DASHBOARD, A	EMITTING MODULE
ROUTING CABLES, AS WELL AS	COLUMN STRAND AND AN AIR DUCT	(73) Volvo Car Corporation
VEHICLE COMPONENT COMPRISING	(73) PSA Automobiles SA	(72) AHRNBERG, Pierre
SUCH A REINFORCEMENT PART,	(72) MITOUART, Jean Guy	GÖTHLIN, Jonas
AND VEHICLE COMPRISING SUCH A	(31) 1850074	(51) B60L 3/00
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(73) Japan Aviation Electronics Industry,	FRIDHOLM, Björn	(72) LAIRD, Michael
Limited	AMATO, Leonardo Claudio	MAYEKAWA, Roy
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B62D 29/00	B60T 8/36	B64C 3/26
C09D 5/33	(11) EP3895970	B32B 5/02
C09K 11/00	(21) EP21170825.0	B64C 1/00
H01L 31/055	(47) 05.04.2023	B29C 70/24
(11) EP3670306	(22) 08.02.2019	B32B 3/08
(21) EP17921781.5	(54) HYDRAULIC PRESSURE CONTROL UNIT, BRAKING SYSTEM, AND BICYCLE	B32B 27/08
(47) 05.04.2023	(73) Robert Bosch GmbH	(11) EP3533599
(87) JP2017029281	(72) ATSUSHI, Hiroaki	(21) EP18159080.3
21.02.2019	CHIBA, Kazuki	(47) 05.04.2023
(22) 14.08.2017	(31) 2018023638	(22) 28.02.2018
(54) MOBILE BODY HAVING REFLECTION CONTROL LAYER	(32) 14.02.2018	(54) COMPOSITE PANEL WITH REINFORCING PINS
(73) Nissan Motor Co., Ltd.	(33) Japan	(73) Airbus Defence and Space GmbH
(72) SATO Yuichi	(51) B63B 1/24	Airbus Operations GmbH
(51) B62D 65/06	B63H 20/34	(72) Weber, Markus J.
B23P 19/04	B63B 1/26	Endres, Gregor Christian
B60J 10/00	(11) EP3681790	Neumann, Ulf Henning
(11) EP3939868	(21) EP18779737.8	(51) B64C 1/14
(21) EP21178574.6	(47) 05.04.2023	
(47) 05.04.2023		

B64D 11/00	(54) A MULTIROTOR AIRCRAFT WITH	(21) EP18708178.1
B60R 13/08	DUCTED ROTORS	(47) 05.04.2023
B64C 1/40	(73) AIRBUS HELICOPTERS	(87) GB2018050449
(11) EP4082893	DEUTSCHLAND GmbH	30.08.2018
(21) EP21171025.6	(72) Ghomrassi, Mohamed-Mezri	(22) 21.02.2018
(47) 05.04.2023	Pellerin, Samuel	(54) A FLIGHT SYSTEM
(22) 28.04.2021	LE Cadet, Yann	(73) Gravity Industries Ltd.
(54) TEXTILE DOOR INSULATION FOR A	(51) B64C 27/00	(72) BROWNING, Richard
PASSENGER DOOR IN AN AIRCRAFT	(11) EP3931085	(31) 201702852
(73) Airbus Operations GmbH	(21) EP20712794.5	(32) 22.02.2017
(72) Kirstein, Hauke	(47) 05.04.2023	(33) United Kingdom
Kyas, Gunter	(87) US2020019710	(51) B64C 39/02
(51) B64C 1/18	03.09.2020	B08B 5/00
B64C 3/38	(22) 25.02.2020	B60S 1/56
B64D 27/24	(54) ACTIVE VIBRATION CONTROL	B60S 3/04
B64D 27/02	SYSTEM IN A GUNFIRE VIBRATION	(11) EP3737607
(11) EP3750793	ENVIRONMENT	(21) EP19719812.0
(21) EP20179823.8	(73) Lord Corporation	(47) 05.04.2023
(47) 05.04.2023	(72) SWANSON, Douglas	(87) EP2019060264
(22) 12.06.2020	BACHMEYER, Paul Joseph	31.10.2019
(54) AIRCRAFT HAVING HYBRID-ELECTRIC	(31) 201962939728 P	(22) 23.04.2019
PROPULSION SYSTEM WITH	201962809918 P	(54) METHOD FOR CLEANING VEHICLE
ELECTRIC STORAGE LOCATED IN	(32) 25.11.2019	SENSORS AND UNMANNED
FUSELAGE	25.02.2019	AIRCRAFT FOR SUCH A METHOD
(73) Hamilton Sundstrand Corporation	(33) United States of America	(73) VOLKSWAGEN
(72) ABRUZZESE, Frank	United States of America	AKTIENGESELLSCHAFT
BECKER, Frank	(51) B64C 29/00	(72) SCHÜTZ, Daniel
PIZZI, Antonio	B64C 7/02	HEROLD, Stephan
WANG, Xi	B64D 29/06	FONDAHL, Kristin
BUZZARD, John N.	(11) EP3901035	HELBIG, Micha
LENTS, Charles E.	(21) EP21155844.0	(31) 102018206520
LINTEAU, Patrick	(47) 05.04.2023	(32) 26.04.2018
(31) 201962861861 P	(22) 23.10.2017	(33) Germany
(32) 14.06.2019	(54) TILTROTOR AIRCRAFT ROTATING	(51) B64D 1/02
(33) United States of America	PROPTOR ASSEMBLY	B64D 1/12
(51) B64C 3/56	(73) Textron Innovations Inc.	B64D 17/38
B64C 9/00	(72) ROSS, Brent C	B66C 1/38
(11) EP3190043	REINHART, Michael E	B64C 39/02
(21) EP16194204.0	WILLIAMS, Jeffrey M	B64D 9/00
(47) 05.04.2023	SMITH, Clegg	(11) EP3882146
(22) 17.10.2016	PRAVANH, Nick	(21) EP21171034.8
(54) CONTROLLING AIRLOADS ON	(31) 201715661129	(47) 05.04.2023
AIRCRAFT FOLDING WING TIPS	201715448415	(22) 22.05.2017
(73) The Boeing Company	201715448136	(54) APPARATUSES FOR RELEASING A
(72) Good, Mark S.	(32) 27.07.2017	PAYLOAD FROM AN AERIAL TETHER
Paul, Jonathan J.	02.03.2017	(73) Wing Aviation LLC
(31) 201614988202	02.03.2017	(72) SHANNON, Trevor
(32) 05.01.2016	(33) United States of America	LI, Zhefei
(33) United States of America	United States of America	(31) 201615179585
(51) B64C 9/24	United States of America	(32) 10.06.2016
B64C 9/02	(51) B64C 29/00	(33) United States of America
(11) EP3708487	B64C 37/02	(51) B64D 11/00
(21) EP20157456.3	B64C 39/06	B64D 13/00
(47) 05.04.2023	B64C 5/06	B60Q 3/44
(22) 14.02.2020	(11) EP3860912	(11) EP3868663
(54) SLAT FOR AN AIRCRAFT WING	(21) EP18792359.4	(21) EP21157433.0
(73) Airbus Operations Limited	(47) 05.04.2023	(47) 05.04.2023
(72) CUSTANCE, Denys	(87) BR2018000060	(22) 16.02.2021
(31) 201903371	09.04.2020	(54) PASSENGER SERVICE UNIT WITH
(32) 12.03.2019	(22) 02.10.2018	A COVER, PASSENGER SEAT AREA
(33) United Kingdom	(54) VERTICAL AND SHORT TAKEOFF AND	AND VEHICLE WITH A PASSENGER
(51) B64C 11/00	LANDING (VSTOL) AIRCRAFT	SERVICE UNIT
B64C 29/00	(73) Embraer S.A.	(73) Airbus Operations GmbH
B64C 39/02	(72) OLIVEIRA, Luiz Fernando Tedeschi	(72) CARMONA-PUGA, Guillermo
(11) EP3770063	CARVALHO, Carlos Eduardo de	QUATMANN, Frank
(21) EP19400018.8	BEEVER, Jay	ROCHAT, Bernd
(47) 05.04.2023	(51) B64C 39/02	(31) 102020104797
(22) 25.07.2019	(11) EP3585685	(32) 24.02.2020

(33) Germany	DIETRICH, Axel	(33) France
(51) B64D 11/00	(51) B64D 15/00	(51) B64D 29/06
B64D 45/00	B64F 5/00	B64D 45/00
B60Q 3/80	B64D 15/06	(11) EP3693278
B60Q 3/225	(11) EP3134321	(21) EP19382082.6
B60Q 9/00	(21) EP15779945.3	(47) 05.04.2023
B61D 37/00	(47) 05.04.2023	(22) 05.02.2019
B64D 11/02	(87) US2015026512	(54) SYSTEM FOR WARNING AN OPEN
B64D 9/00	22.10.2015	STATE OF A TWO-PART FAN COWL
B60R 5/00	(22) 17.04.2015	(73) Airbus Defence and Space, S.A.U.
B61L 15/00	(54) HIGH-SPEED AIRPLANE DEICING	(72) BENÍTEZ GUERRERO, Francisco José
(11) EP3825230	INSTALLATION SYSTEMS AND	MARCOS MARTÍN, Yolanda
(21) EP20208735.9	METHODS	(51) B64D 33/02
(47) 05.04.2023	(73) Luca, Valentin	B64C 21/06
(22) 19.11.2020	(72) Luca, Valentin	(11) EP3594127
(54) COMPARTMENT CONTENT	(31) 201461981748 P	(21) EP19185346.4
NOTIFICATION AND INSPECTION	(32) 19.04.2014	(47) 05.04.2023
DEVICE AND METHOD	(33) United States of America	(22) 09.07.2019
(73) B/E Aerospace, Inc.	(51) B64D 15/04	(54) ACTIVE LAMINAR FLOW CONTROL
(72) DOWTY, Mark B.	B64D 29/00	SYSTEM WITH COMPOSITE PANEL
(31) 201916688548	B64C 7/02	(73) Rohr, Inc.
(32) 19.11.2019	B64D 15/02	(72) SANZ MARTINEZ, Pablo T.
(33) United States of America	B64D 33/02	SCHRELL, Johann S.
(51) B64D 11/06	(11) EP3623292	PAOLINI, Thomas
B60N 2/58	(21) EP19197258.7	(31) 201816030351
B60N 2/70	(47) 05.04.2023	(32) 09.07.2018
B60N 2/60	(22) 13.09.2019	(33) United States of America
A47C 31/02	(54) NOZZLE FOR AN AIRCRAFT	(51) B64D 37/16
(11) EP3819217	PROPULSION SYSTEM	B64F 1/28
(21) EP20206970.4	(73) Rohr, Inc.	B67D 7/34
(47) 05.04.2023	(72) CHILUKURI, Radhakrishna	(11) EP3702287
(22) 11.11.2020	(31) 201816131124	(21) EP19159894.5
(54) UPHOLSTERY COVER RETENTION	(32) 14.09.2018	(47) 05.04.2023
ASSEMBLY	(33) United States of America	(22) 28.02.2019
(73) B/E Aerospace, Inc.	(51) B64D 25/14	(54) FUELLING VALVE
(72) SUHRE, Ryan J.	B63C 9/04	(73) Dunlop Oil & Marine Limited
PUGLISI, Stephen A.	B60R 21/264	(72) Bishop, Simon
JETT, Jordan G.	(11) EP3822170	(51) B64D 45/02
(31) 201916680097	(21) EP20207847.3	F16B 37/14
(32) 11.11.2019	(47) 05.04.2023	(11) EP3741682
(33) United States of America	(22) 16.11.2020	(21) EP20176033.7
(51) B64D 13/06	(54) INFLATION SYSTEMS FOR	(47) 05.04.2023
(11) EP3381808	EVACUATION SLIDES AND LIFE	(22) 22.05.2020
(21) EP18154999.9	RAFTS	(54) MULTI-COMPONENT MELT
(47) 05.04.2023	(73) Goodrich Corporation	ELECTROMAGNETIC EFFECT
(22) 02.02.2018	(72) SHEN, Guangqing	PROTECTION CAP SYSTEM
(54) AIR DISTRIBUTION SYSTEM AND	WERBELOW, Jeffrey Martin	(73) The Boeing Company
METHOD FOR AN AIR CONDITIONING	(31) 202017075453	(72) AUFFINGER, Sean
SYSTEM IN AN AIR VEHICLE	201962935778 P	RILEY, Terrell
(73) The Boeing Company	(32) 20.10.2020	(31) 201916420948
(72) CARDEN, Annika E.	15.11.2019	(32) 23.05.2019
BOGGS, Royal E.	(33) United States of America	(33) United States of America
HLAVKA, Brian D.	United States of America	(51) B64F 1/00
SHELL, Sidney D.	(51) B64D 27/18	B64F 1/02
(31) 201715476491	B64D 27/26	G05D 1/10
(32) 31.03.2017	(11) EP3971091	B64F 1/12
(33) United States of America	(21) EP21196933.2	B64F 1/18
(51) B64D 13/06	(47) 05.04.2023	H04B 7/185
F24F 13/32	(22) 15.09.2021	(11) EP3253654
(11) EP3998211	(54) ASSEMBLY OF AN ENGINE WITH AN	(21) EP16746225.8
(21) EP21158240.8	AIRCRAFT MAST	(47) 05.04.2023
(47) 05.04.2023	(73) AIRBUS OPERATIONS (S.A.S.)	(87) IL2016050094
(22) 19.02.2021	(72) BERJOT, Michael	11.08.2016
(54) SELF-SUPPORTING VAPOR CYCLE	BRAS, William	(22) 28.01.2016
REFRIGERATION SYSTEM FOR AN	GUENEAU, Germain	(54) LANDING AND CHARGING SYSTEM
AIRCRAFT	LANSIAUX, Rémi	FOR DRONES
(73) Lilium eAircraft GmbH	(31) 2009554	(73) Airobotics Ltd.
(72) GAILE, Alfred	(32) 21.09.2020	

(72) KRAUSS, Ran KLINER, Meir (31) 23713015 (32) 05.02.2015 (33) Israel	(54) PACKAGING MACHINE WITH EXCHANGEABLE UPPER SEALING TOOL	(51) B65B 19/04 A24C 5/32 B65B 35/32 B65B 35/44 B65B 57/14
(51) B64F 1/36 B64C 27/00 B64D 27/24 (11) EP4098567 (21) EP21205464.7 (47) 05.04.2023 (22) 29.10.2021 (54) EXTERNAL POWER ASSIST SYSTEMS FOR EVTOL AIRCRAFT (73) Textron Innovations Inc. (72) JOHNSON, Christopher M. (31) 202117335603 (32) 01.06.2021 (33) United States of America	(73) MULTIVAC Sepp Haggenmüller SE & Co. KG (72) Vives Escribà, Neus (51) B65B 7/28 B65B 25/00 B65B 35/58 B65B 59/00 (11) EP3921237 (21) EP20707844.5 (47) 05.04.2023 (87) IT2020050021 13.08.2020 (22) 05.02.2020 (54) MACHINE AND METHOD FOR AUTOMATICALLY CAPPING CONTAINERS, AND PACKAGING LINE COMPRISING SAID MACHINE	(11) EP3816056 (21) EP20204753.6 (47) 05.04.2023 (22) 29.10.2020 (54) HOPPER FOR A PACKER MACHINE TO PACK SMOKING ARTICLES (73) G.D SOCIETA' PER AZIONI (72) SQUARZONI, Michele MECCAGNI, Mattia GAMBERINI, Giuliano SARTI, Stefano (31) 201900019970 (32) 29.10.2019 (33) Italy
(51) B64G 1/10 G01C 11/00 (11) EP3980337 (21) EP20731025.1 (47) 05.04.2023 (87) EP2020065339 10.12.2020 (22) 03.06.2020 (54) METHOD FOR DETERMINING THE CAPABILITY OF A SENSOR CONTAINED IN A SATELLITE TO ACCESS A TARGET REGION, AND SATELLITE ACCESSING SYSTEM (73) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (72) GULDE, Max HORCH, Clemens SCHÄFER, Frank (31) 102019208112 (32) 04.06.2019 (33) Germany	(73) I.M.A. Industria Macchine Automatiche S.p.A (72) SASSI, Fabio PAPPALARDO, Giacinto Francesco (31) 201900001725 (32) 06.02.2019 (33) Italy	(51) B65B 19/16 B65B 19/22 B65B 49/08 B31B 50/44 B31B 50/52 (11) EP3759024 (21) EP19713225.1 (47) 05.04.2023 (87) IT2019050042 29.08.2019 (22) 26.02.2019 (54) APPARATUS FOR FORMING A COLLAR OF A DOUBLE PACKET AND PACKAGING LINE FOR FORMING A DOUBLE PACKET (73) I.M.A. Industria Macchine Automatiche S.p.A. (72) DRAGHETTI, Fiorenzo (31) 201800003032 (32) 26.02.2018 (33) Italy
(51) B64G 1/64 F42B 15/38 (11) EP3027511 (21) EP14744870.8 (47) 05.04.2023 (87) EP2014066506 05.02.2015 (22) 31.07.2014 (54) METHOD AND DEVICE FOR CONNECTING AND SEPARATING TWO ELEMENTS BY MEANS OF CONNECTING PLATES (73) ArianeGroup SAS (72) MEDINA, Felipe PREAUD, Luc (31) 1357639 (32) 01.08.2013 (33) France	(72) LAU, Christian RUHLAND, Reinhard PATZ, Dominik (31) 102019216991 (32) 05.11.2019 (33) Germany	(51) B65B 19/20 B65B 49/04 B65B 49/14 B65B 49/08 B65B 51/02 B65B 61/00 B65B 19/22 (11) EP3366595 (21) EP18000118.2 (47) 05.04.2023 (22) 09.02.2018 (54) METHOD AND DEVICE FOR PRODUCING (CIGARETTE) PACKAGES (73) Focke & Co. (GmbH & Co. KG) (72) Bienia, Michael Roesler, Burkard (31) 102017001694 (32) 22.02.2017 (33) Germany
(51) B65B 7/16 B29C 65/00 B65B 31/02 B65B 51/14 B65B 59/00 (11) EP4046917 (21) EP21382143.2 (47) 05.04.2023 (22) 23.02.2021	(73) Sealed Air Corporation (US) (72) ORSINI, Thomas P. SIMONELLI, Robert J. CHAN, Zi K. KALINOWSKI, Michael A. CHRISTMAN, Russell T. GILBERT, John J. (31) 201862691722 P (32) 29.06.2018 (33) United States of America	(51) B65B 29/02 (11) EP4046923 (21) EP21157910.7 (47) 05.04.2023 (22) 18.02.2021 (54) DEVICE FOR MANUFACTURING BAGS FILLED WITH INFUSIBLE MATERIAL

(73) Teepack Spezialmaschinen GmbH & Co. KG	(21) EP20158949.6 (47) 05.04.2023	(32) 18.01.2019 (33) United States of America
(72) Vetter, Holger	(22) 24.02.2020	(51) B65D 1/24
Heidtmann, Thomas	(54) METHOD, APPARATUS AND SYSTEM FOR ATTACHING A LABEL ON A PRODUCT	(11) EP3848296 (21) EP21150384.2 (47) 05.04.2023
(51) B65B 31/02	(73) FUJI SEAL INTERNATIONAL, INC.	(22) 06.01.2021
B65B 43/42	(72) Gebbink, Jeroen Gerrit Anton	(54) MODULAR CRATE
B65B 43/52	Kaminaga, Masahiro	(73) Brauerei C. & A. Veltins GmbH & Co. KG
B65B 55/02	(31) 2022626	(72) Diebold, Frank
B65G 49/08	(32) 22.02.2019	(31) 202020101629 U
B65G 54/02	(33) Netherlands	202020100045 U
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(47) 05.04.2023	B65C 9/00	(33) Germany
(87) EP2018075406	H05F 3/04	Germany
04.07.2019	B65C 3/06	(51) B65D 5/60
(22) 20.09.2018	B65C 9/40	B31B 120/40
(54) PACKAGING DEVICE AND METHOD FOR OPERATING THE PACKAGING DEVICE	(11) EP3831731	B31B 105/00
(73) SIG Combibloc Services AG	(21) EP19845002.5	(11) EP3619123
(72) ZAGAR, Franco	(47) 05.04.2023	(21) EP18722501.6
KLAUS, Markus	(87) ES2019070539	(47) 05.04.2023
SCHOPEN, Marcel	06.02.2020	(87) EP2018061404
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NABER, Klaus	(54) FEEDER FOR A REEL LABELLING MACHINE	(22) 03.05.2018
HEUSER, Richard	(73) Carlos Bacigalupe, S.L.U.	(54) PACKAGING SYSTEM COMPRISING A FIBER MOLDING AND METHOD OF PRODUCING A PACKAGING
(31) 102017131435	(72) BACIGALUPE GARCÍA, Juan Carlos	(73) Ende, Klaus D.
(32) 29.12.2017	(31) 201830790	GEA Food Solutions Germany GmbH
(33) Germany	(32) 31.07.2018	(72) ENDE, Klaus D.
(51) B65B 51/30	(33) Spain	DONGES, Hans-Günter
B29C 65/00	(51) B65C 9/06	(31) 102017207409
B65B 59/00	B67C 3/24	(32) 03.05.2017
(11) EP4087785	(11) EP3595979	(33) Germany
(21) EP20839145.8	(21) EP18703764.3	(51) B65D 5/72
(47) 05.04.2023	(47) 05.04.2023	B65D 83/04
(87) IB2020062055	(87) EP2018052846	(11) EP3755636
15.07.2021	20.09.2018	(21) EP19709796.7
(22) 16.12.2020	(22) 06.02.2018	(47) 05.04.2023
(54) WELDING DEVICE FOR MAKING AND HERMETICALLY SEALING AT LEAST ONE PACKAGE CONTAINING A PRODUCT	(54) CONTAINER HANDLING DEVICE WITH CENTRING ELEMENTS FOR CLAMPING THE CONTAINERS	(87) IB2019051311
(73) BG Pack S.r.l.	(73) KHS GmbH	29.08.2019
(72) LATRONICO, Mario	(72) ULLRICH, Andreas	(22) 19.02.2019
(31) 202000000151	STOCK, Klaus-Friedrich	(54) SLIDE-OPEN PACKAGE FOR ARTICLES
(32) 08.01.2020	(31) 102017105482	(73) G.D S.p.A.
(33) Italy	(32) 15.03.2017	(72) CANAFOGLIA, Silvia
(51) B65B 53/00	(33) Germany	FEDERICI, Luca
(11) EP2877403	(51) B65D 1/16	(31) 201800002849
(21) EP13822508.1	B65D 1/44	(32) 20.02.2018
(47) 05.04.2023	B65D 1/10	(33) Italy
(87) US2013051926	B65D 1/02	(51) B65D 25/14
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(22) 25.07.2013	(21) EP20710318.5	B65D 85/72
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(73) Trinseo Europe GmbH	(87) US2020013520	(11) EP3562750
(72) MEHLMANN, Florence	23.07.2020	(21) EP17886424.5
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RICHARDS, Thomas H.	(73) Altium Packaging LP	05.07.2018
LACOCK, Steven B.	(72) MANDERFIELD, Grover	(22) 27.12.2017
AUBART, Mark A.	PALMER, Joe	(54) PACKAGING COATING RESINS DERIVED FROM REACTIONS OF PHENOLS WITH POLYOLEFINIC TERPENES
(31) 201213559783	HERNANDEZ, David	(73) SWIMC LLC
(32) 07.09.2012	WADE, Dena	(72) ANDRIOT, Matthieu
(33) United States of America	APPLEGATE, Daniel	GIBANEL, Sebastien
(51) B65B 53/02	BOLLINGER, Aaron	
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(31) 201662439564 P	VITALI, Paolo	(31) 201800003086
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(33) United States of America	(32) 11.12.2020	(33) Italy
(51) B65D 39/16	(33) Italy	(51) B65D 83/20
B65D 41/28	(51) B65D 57/00	B65D 83/24
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(47) 05.04.2023	(21) EP19885905.0	B65D 83/62
(87) PT2018050017	(47) 05.04.2023	B65D 83/48
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(54) PRODUCTION PROCESS OF A	(22) 06.11.2019	(11) EP3583051
CAPSULATED STOPPER	(54) PACKAGE ACCOMMODATING HEAT-	(21) EP18706828.3
(73) Amorim Cork Research, Lda.	DISSIPATING SUBSTRATES, AND	(47) 05.04.2023
(72) DOS SANTOS RIBEIRO, Ricardo	PACKAGING BOX	(87) FR2018050366
Manuel Correia	(73) Denka Company Limited	23.08.2018
DE RIBEIRO PONTES, Sarah Lagorsse	(72) OTA, Hiroaki	(22) 15.02.2018
(31) 2017110068	ISHIHARA, Yosuke	(54) VALVE HOLDING DEVICE
(32) 10.05.2017	GOTO, Daisuke	(73) Inospray
(33) Portugal	(31) 2018213469	(72) DE MAILLARD, Thibault
(51) B65D 41/02	(32) 14.11.2018	BEURCQ, Jean-Luc
B65D 53/02	(33) Japan	(31) 1751338
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(73) Amgen Research (Munich) GmbH	(72) AJELLAL, Nouredine	(72) LEE, Chang-Soo
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C22C 38/02	C22C 38/42	C22C 14/00
C22C 38/04	C22C 38/44	C22C 21/00
C22C 38/06	C22C 38/46	C22C 30/00
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FAN, Dongwei	YOKOTA, Takeshi	(72) POLCIK, Peter
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F16C 33/58	C22C 38/14	(51) C22C 19/05
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MASSE, Jean-Philippe	Constellium Valais SA (AG, Ltd)	C23C 2/06
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C22F 1/047	(73) The Boeing Company	MIYAKE, Masaru
C22F 1/053	(72) LEON, Luis	YASUFUKU, Yusuke
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(72) YANG, Tao	(51) C23C 2/12	C23C 14/54
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ZHANG, Shaohui	C23C 2/40	C23C 2/06
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C23D 5/00	C25B 3/29	C30B 29/06
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WHITE, Tresha L.	JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED	(54) COLD CRUCIBLE
SHIFLETT, Bryan	(72) INO, Kosuke	(73) Institut Polytechnique de Grenoble
CHERINET, Pazion	MATSUE, Tomokazu	Centre national de la recherche scientifique
WADLEY, Scott	SHIKU, Hitoshi	Université Grenoble Alpes
BARNHART, Carol	TERAUCHI, Mayuko	(72) ZAIDAT, Kader
KHOZIKOV, Vyacheslav	TAIRA, Noriko	GARNIER, Christian
NAKAMOTO, Kyle	KUNIKATA, Ryota	HASAN, Ghatfan
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(73) Alps Alpine Co., Ltd.	(72) Willach, Jens	(51) E06B 3/66
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(72) ADHATE, Abhir A.	VARIN, Franck, Bernard, Léon	COUSTILLAS, Suzanne Madeleine
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(54) TURBOMACHINE COMPONENT	KOBAYASHI, Makoto	F02D 41/00
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(72) Naumann, Hardy	(72) HUNTER, Robert	CONDITIONING, COMPRESSED AIR
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(73) Mitsubishi Electric Corporation	ELSER, Oliver	F27B 21/06
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F01D 17/06	(54) METHOD AND SYSTEM FOR	(54) FIBER OPTIC GYROSCOPE
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G01M 15/14	(72) YAMASHITA, Tomoaki	(73) Northrop Grumman Systems Corporation
G01P 3/481	KATO, Tetsuji	(72) PAVLATH, George Attila
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PUCNIK, Darko	LASER GYROSCOPE	XU, Tomas Tao
RAMAIAH, Ashok	(73) Honeywell International Inc.	(51) G01D 3/02
MAKRA, Imre	(72) WU, Jianfeng	G01D 5/20
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(51) G01D 5/20	CONDUCTOR IN THE CENTER OF AN	DETECTORS USING AN APERTURE
B23K 9/095	OUTER CONDUCTOR	(73) Waymo LLC
B23K 9/10	(73) Honeywell International Inc.	(72) DROZ, Pierre-Yves
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(73) ABB Schweiz AG	(54) FORCE SENSOR	(72) ITO Tetsumasa
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(33) United States of America	(72) HILL, Darrell Glenn	(72) YOSHIOKA, Toshifumi
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OF A LIGHT-TO-ELECTRICITY	H01L 33/40	(51) H01L 51/44
CONVERTER MADE ENTIRELY	H01L 27/15	B29C 63/02
FROM SILICON FOR A GIANT	H01L 33/22	B32B 38/18
PHOTOCONVERSION	H01L 33/32	(11) EP3014670
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(51) H01L 31/048	(54) METHOD FOR MANUFACTURING	(54) FLEXIBLE ORGANIC PHOTOVOLTAIC
H01L 31/049	ELECTRONIC DEVICES	DEVICE AND METHOD FOR
(11) EP3437143	(73) Commissariat à l'Energie Atomique et	MANUFACTURE THEREOF
(21) EP17705546.4	aux Energies Alternatives	(73) SolarWindow Technologies, Inc.
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ANZAI, Junichiro	(72) Jankus, Vyintas	H01M 4/36
HAYAKAWA, Akinobu	Rothe, Carsten	H01M 4/38
KUREBAYASHI, Tetsuya	Pavicic, Domagoj	H01M 4/133
AITA, Tetsuya		H01M 4/587
UNO, Tomohito		H01M 4/62
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(47) 05.04.2023	(73) Novaled GmbH	(54) NONAQUEOUS ELECTROLYTE SECONDARY BATTERY NEGATIVE ELECTRODE AND NONAQUEOUS ELECTROLYTE SECONDARY BATTERY
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(73) BOE Technology Group Co., Ltd.	Seidenglanz, Pierre	YOKOI, Mai
(72) JIAO, Zhiqiang	(51) H01L 51/54	NAKAMORI, Toshiyuki
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F28F 3/14	SFC Co., Ltd.	(11) EP3920279
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(22) 15.12.2017	(73) LG CHEM, LTD.	H01M 4/38
(54) MANUFACTURING METHOD OF ORGANIC LIGHT EMITTING DIODE DISPLAY PANEL	(72) CHOI, Cheol Hoon	C23C 16/04
(73) BOE Technology Group Co., Ltd.		C23C 16/26
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(54) METHOD FOR PREPARING	(73) LG Energy Solution, Ltd.	H01M 50/417
ELECTRODE MATERIAL, ELECTRODE	(72) SON, Byoungkuk	H01M 50/42
MATERIAL AND BATTERY	JANG, Minchul	H01M 50/431
(73) Huawei Technologies Co., Ltd.	PARK, Eunkyung	H01M 50/423
(72) YU, Zhexun	CHOI, Junghun	H01M 50/426
LI, Yangxing	PARK, Changhun	H01M 50/457
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H01M 6/08	H01M 4/587	ELECTROCHEMICAL DEVICE
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H01M 50/174	(54) ELECTROLYTE FOR LITHIUM	WANG, Shiwen
H01M 50/44	SECONDARY BATTERY AND LITHIUM	LIANG, Chengdu
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(47) 05.04.2023	KIM, Ik Kyu	H01M 50/457
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CELLS WITH SEPARATOR AND	PARK, Sang Mok	H01M 50/434
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SECONDARY BATTERY	(11) EP3335266	<hr/>
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(51) H01M 10/0565	IMPROVED PERFORMANCE, AND	BATTERY CELL OF VEHICLE
H01M 10/0569	RELATED METHODS	(73) Kyungshin Co., Ltd.
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H01M 10/6557	H01M 50/24	MARSCHEWSKI, Julian
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(22) 09.12.2021	AND BATTERY HOUSING ASSEMBLY	(22) 23.03.2020
(54) BATTERY MODULE, BATTERY PACK,	HAVING A FEED-THROUGH FOR A	(54) NON-AQUEOUS SECONDARY
AND VEHICLE	HEAT TRANSMISSION DEVICE	BATTERY SEPARATOR AND NON-
(73) Huawei Digital Power Technologies Co.,	(73) Kautex Textron GmbH & Co. KG	AQUEOUS SECONDARY BATTERY
Ltd.	(72) SCHÄFER, Guido	(73) Teijin Limited
(72) ZHANG, Guanghui	LIPPERHEIDE, Moritz	(72) SATO, Megumi
QIN, Zhen	ENKIRCH, Georg	KURATANI, Rika
FENG, Kai	LENZ, Stefan	NAGAO, Yu
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B32B 5/30	(54) BATTERY MODULE, BATTERY PACK	24.09.2020
B32B 7/12	INCLUDING BATTERY MODULE, AND	(22) 23.03.2020
B32B 9/02	VEHICLE INCLUDING BATTERY PACK	(54) SEPARATOR FOR NON-AQUEOUS
B32B 9/04	(73) LG Energy Solution, Ltd.	SECONDARY BATTERY AND NON-
B32B 15/08	(72) SEO, Sung-Won	AQUEOUS SECONDARY BATTERY
B32B 15/09	KANG, Dal-Mo	(73) Teijin Limited
B32B 15/16	MUN, Jeong-O	(72) KOBAYASHI, Tokimitsu
B32B 15/18	LEE, Yoon-Koo	SAKURAI, Hiroshi
B32B 15/20	EICHHORN, Alexander	NISHIKAWA, Satoshi
B32B 23/04	TRACK, Andreas	(31) 2019052383
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WILHELM, Luke A.	Maxl, Florian	(73) Google LLC
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SHI, Shawn
ZIMMERMAN, David, W
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YU, Dong
LEE, Chien-Ming
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(73) Commscope Technologies LLC
(72) WU, Ligang
SUN, Jing
WU, Bo
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(22) 09.01.2020	(72) VEIT, Thomas	HUMPHREY, Ryan Thomas
(54) A CONNECTOR ELEMENT FOR A FLASHING ASSEMBLY FOR USE IN A ROOF WINDOW ARRANGEMENT AND A METHOD FOR WEATHER PROOFING A ROOF WINDOW ARRANGEMENT	WOOD, Kevin	(74) ir. J.C. Volmer c.s.
(73) VKR Holding A/S	(74) ir. H.A. Witmans c.s.	(47) 18.01.2023
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(54) PROFILE RAIL SYSTEM	(72) MIGUTIN, Alexander	LARONGA, Robert, J.
(73) Sondermann, Frank	(74) ir. H.A. Witmans c.s.	BIZE, Emmanuel
(72) Sondermann, Frank	(31) 201715843844	LE NIR, Isabelle
(74) ir. W.J.J.M. Kempes	(32) 15.12.2017	(74) ir. A. Blokland c.s.
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(54) METHOD FOR CONSTRUCTING A BUILDING	(72) PATTON, Damien Gerard	(22) 21.09.2018
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(72) MOLASCHI, Claudio DELL'AVERSANA, Paolo GALLINO, Germana BOTTAZZI, Franco SERVODIO, Raffaele CARNIANI, Carlo	(47) 01.03.2023 (51) F04D 19/02 F04D 13/06 (11) EP3911859 (21) EP20701250.1 (22) 14.01.2020 (54) A PUMP WITH A BEARING LUBRICATION SYSTEM	PALMGREN, Marcel PETERSSON, Martin (74) dr. R.C. van Duijvenbode c.s. (47) 15.02.2023 (51) F16G 13/16 (11) EP3938678 (21) EP20711539.5 (22) 09.03.2020 (54) HYBRID ENERGY CHAIN FOR LARGE CANTILEVERED LENGTHS
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(22) 20.02.2018	(73) OVH	(54) MILKING SYSTEM WITH DETECTION
(54) DOUBLE-STAGED OXY-FUEL BURNER	(72) Bauchart, Grégory Francis Louis	SYSTEM
(73) AIR PRODUCTS AND CHEMICALS, INC.	Chehade, Ali	(73) Lely Patent N.V.
(72) SLAVEJKOV, Aleksandar Georgi	Klaba, Henryk	(72) KNIP, Abram Christiaan
HORAN, William J.	(74) J.M.H. Duyver lic.	(74) ir. M.J.F.M. Corten
D'AGOSTINI, Mark Daniel	(47) 01.03.2023	(31) 2021692
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United States of America	VAQUER, Josep Lluis	G02B 27/58
(47) 22.03.2023	DE MAGRINA, Joan	(11) EP3628075
(51) F24H 4/04	(74) ir. C.G.C. Veldman-Dijkers	(21) EP19741108.5
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F28D 7/10	SENSOR, A METHOD FOR	SIU, Merek, C.
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(11) EP3637012	HOLDING A STRAIN SENSOR, AND A	CONDELLO, Danilo
(21) EP19199935.8	METHOD FOR DETERMINING STRAIN	NEWMAN, Peter, Clarke
(22) 26.09.2019	IN AN OBJECT	LIU, Aaron
(54) COMBINED WALL DEVICE FOR	(73) Optics11 B.V.	PRINCE, Simon
HEATING OF DOMESTIC WATER AND	(72) SINGER, Johannes Maria	(74) ir. W.J.J.M. Kempes
WATER FOR HEATING A ROOM	MEIJER, Eric	(31) 2020620
(73) Societe Industrielle de Chauffage (SIC)	KARABACAK, Devrez Mehmet	201862618059 P
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MUFFLER	(54) VIBRATION TYPE FLUID FLOW	(74) ir. W.J.J.M. Kempes
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LIU, Jin	(72) RIEDER, Alfred	(47) 04.01.2023
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ZHANG, Yilin	ECKERT, Gerhard	G01V 1/00
CHENG, Xin	ZHU, Hao	(11) EP3391096
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(72) HE, Mou	(73) Himax Display, Inc.	(73) Pegatron Corporation
CHEN, Wei	(72) PAN, Po-Hung	(72) CHANG, Chun-Fu
ZHU, Yongfa	(74) dr. R.C. van Duijvenbode c.s.	CHEN, Hsiao-Fan
(74) ir. W.J.J.M. Kempes	(31) 201815928064	HSIEH, I-Tien
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(11) EP3514580	DEVICE	(54) WEARABLE DEVICE
(21) EP17864696.4	(73) BOE Technology Group Co., Ltd.	(73) Huawei Technologies Co., Ltd.
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(54) FUNCTIONAL FILM	Co., Ltd.	LV, Jiawei
(73) Daikin Industries, Ltd.	(72) XU, Jian	TANG, Zhihong
(72) SAKAMOTO, Eiji	XIAN, Jianbo	YANG, Jun
NII, Saya	QIAO, Yong	(74) ir. W.J.J.M. Kempes
SAKAKURA, Atsushi	(74) ir. W.J.J.M. Kempes	(47) 25.01.2023
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(33) Japan	(51) G05B 9/02	(22) 22.08.2014
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(51) G02B 6/42	(11) EP3440517	INCLUDING FLEXIBLE DISPLAY
G02F 1/09	(21) EP17713207.3	ELEMENT
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(11) EP3612882	OPERATING A BUS SUBSCRIBER	(74) dr. R.C. van Duijvenbode c.s.
(21) EP18826156.4	(73) Eaton Intelligent Power Limited	(31) 20130101292
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ENABLING POLARIZATION DIVERSITY	BOECKER, Olaf	(47) 01.03.2023
(73) Google LLC	(74) ir. W.J.J.M. Kempes	(51) G06F 3/01
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LIU, Hong	(47) 11.01.2023	H04M 1/02
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(47) 04.01.2023	(54) CONTAINER PRODUCTION	(73) Telefonaktiebolaget LM Ericsson (publ)
(51) G02B 6/44	MANAGEMENT SYSTEM AND	(72) Araújo, José
(11) EP4024107	METHOD	Andersson, Lars
(21) EP21173733.3	(73) Toyo Seikan Co., Ltd.	(74) ir. A. Blokland c.s.
(22) 13.05.2021	(72) MIURA, Shinobu	(47) 01.03.2023
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(73) Huizhou Fibercon Industrial Co., LTD	NAKAYAMA, Kazuhiko	G06F 3/046
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(73) Samsung Display Co., Ltd.	(21) EP18738818.6	(74) dr. R.C. van Duijvenbode c.s.
(72) Kishimoto, Hirotsugu	(22) 16.01.2018	(31) 201615080474
Hwang, Hyun-Been	(54) METHOD FOR AUTOMATICALLY	(32) 24.03.2016
Choi, Cheol Ho	REDISTRIBUTING PLANTS	(33) United States of America
(74) drs. A.A. Jilderda	THROUGHOUT AN AGRICULTURAL	(47) 08.03.2023
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(32) 19.12.2019	(72) ALEXANDER, Brandon, Ace	G06F 12/0815
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G06F 21/32	(11) EP3654176	(73) Kalray
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(22) 30.08.2017	(54) USER EQUIPMENT, SERVER,	RAY, Vincent
(54) METHOD FOR CONTROLLING	CONTROL METHOD OF THE USER	(74) ir. W.J.J.M. Kempes
SCREEN AND TERMINAL	EQUIPMENT AND CONTROL METHOD	(31) 1651869
(73) Huawei Technologies Co., Ltd.	OF THE SERVER	(32) 07.03.2016
(72) ZHANG, Yuxi	(73) Samsung Electronics Co., Ltd.	(33) France
(74) ir. W.J.J.M. Kempes	(72) KIM, Jong Min	(47) 25.01.2023
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APPARATUS, AND OUTPUT METHOD	(47) 04.01.2023	(54) NON-VOLATILE MEMORY AWARE
(73) Ricoh Company, Ltd.	(51) G06F 9/445	CACHING POLICIES
(72) MORI, Shinya	G06F 8/60	(73) INTEL Corporation
(74) ir. H.A. Witmans c.s.	(11) EP3314417	(72) DOSHI, Kshitij
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(11) EP1492415	(11) EP1502946	(11) EP1536006
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(00) 04.04.2023	(00) 02.04.2023	(00) 01.09.2022
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(11) EP1492619	(11) EP1508631	(11) EP1537281
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(11) EP1492728	(11) EP1510492	(11) EP1538920
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(11) EP1492874	(11) EP1510952	(11) EP1539004
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(11) EP1492934	(11) EP1513787	(11) EP1540019
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(11) EP1495308	(11) EP1531708	(11) EP1597965
(00) 02.04.2023	(00) 01.09.2022	(00) 24.10.2022
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(11) EP1625860	(11) EP1662882	(11) EP1764443
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(11) EP1626145	(11) EP1662988	(11) EP1772606
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(11) EP1630147	(11) EP1663110	(11) EP1773534
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(11) EP1630417	(11) EP1663775	(11) EP1776124
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(11) EP1630510	(11) EP1663813	(11) EP1776707
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(11) EP1635929	(11) EP1664271	(11) EP1776774
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(11) EP1645180	(11) EP1664924	(11) EP1778723
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(11) EP1651596	(11) EP1665170	(11) EP1778747
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(11) EP1652007	(11) EP1666688	(11) EP1779145
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(11) EP1655887	(11) EP1673949	(11) EP1780340
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(11) EP1656235	(11) EP1689735	(11) EP1781127
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(11) EP1656306	(11) EP1703040	(11) EP1781255
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(11) EP1656949	(11) EP1709369	(11) EP1781672
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(11) EP1658047	(11) EP1718843	(11) EP1782040
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(11) EP1658630	(11) EP1735119	(11) EP1782159
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(11) EP1789384	(11) EP1900532	(11) EP1922759
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP1791586	(11) EP1905149	(11) EP1924255
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(11) EP2025645	(11) EP2056666	(11) EP2066653
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(11) EP2152681	(11) EP2176638	(11) EP2185359
(00) 28.02.2023	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2154729	(11) EP2179185	(11) EP2185617
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(11) EP2175030	(11) EP2184989	(11) EP2195262
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2175077	(11) EP2185077	(11) EP2195470
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2176354	(11) EP2185079	(11) EP2195724
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2176366	(11) EP2185087	(11) EP2196396
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2176552	(11) EP2185198	(11) EP2210637
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022

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(11) EP2215999	(11) EP2292928	(11) EP2326724
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2237899	(11) EP2295638	(11) EP2326783
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2238352	(11) EP2300514	(11) EP2327739
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2248326	(11) EP2306086	(11) EP2328443
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2250251	(11) EP2307617	(11) EP2328606
(00) 15.12.2022	(00) 01.09.2022	(00) 01.09.2022
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP2251389	(11) EP2309085	(11) EP2328756
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2257229	(11) EP2311042	(11) EP2328930
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2261410	(11) EP2311382	(11) EP2329513
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2261949	(11) EP2311962	(11) EP2330156
(00) 31.03.2023	(00) 31.03.2023	(00) 01.09.2022
(00) Patent Expired	(00) Patent Expired	(00) EPV lapsed
(11) EP2261950	(11) EP2313175	(11) EP2330684
(00) 31.03.2023	(00) 01.09.2022	(00) 01.09.2022
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP2261951	(11) EP2313994	(11) EP2331271
(00) 31.03.2023	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2268078	(11) EP2315815	(11) EP2331483
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2278348	(11) EP2319192	(11) EP2332640
(00) 02.04.2023	(00) 01.09.2022	(00) 01.09.2022
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP2281864	(11) EP2320922	(11) EP2334561
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2284083	(11) EP2321430	(11) EP2334677
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2284202	(11) EP2323534	(11) EP2344081
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2284436	(11) EP2323675	(11) EP2351227
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2284468	(11) EP2323931	(11) EP2356611
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2284695	(11) EP2324346	(11) EP2362672
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2284913	(11) EP2324595	(11) EP2363060
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2287780	(11) EP2325202	(11) EP2363410
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2290925	(11) EP2325647	(11) EP2363891
(00) 01.09.2022	(00) 25.11.2022	(00) 01.09.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2373984	(11) EP2425485	(11) EP2464665
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2375624	(11) EP2425559	(11) EP2464788
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2375625	(11) EP2425885	(11) EP2464890
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2382752	(11) EP2429167	(11) EP2464962
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2387707	(11) EP2431037	(11) EP2467008
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2389937	(11) EP2433601	(11) EP2467096
(00) 03.04.2023	(00) 01.09.2022	(00) 01.09.2022
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP2391008	(11) EP2433660	(11) EP2467097
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2393214	(11) EP2436467	(11) EP2467320
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2393390	(11) EP2445096	(11) EP2467367
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2418426	(11) EP2461812	(11) EP2467441
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2418672	(11) EP2461981	(11) EP2467489
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2420179	(11) EP2462007	(11) EP2467535
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2420453	(11) EP2462161	(11) EP2467684
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2420510	(11) EP2462162	(11) EP2467753
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2420530	(11) EP2462221	(11) EP2468056
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2421135	(11) EP2462223	(11) EP2470119
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2421401	(11) EP2462234	(11) EP2470122
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2422623	(11) EP2462298	(11) EP2470214
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2422693	(11) EP2462499	(11) EP2471004
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(11) EP2423395	(11) EP2464290	(11) EP2471231
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(11) EP2424218	(11) EP2464495	(11) EP2472729
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022

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(11) EP2472742	(11) EP2554323	(11) EP2593039
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(11) EP2473146	(11) EP2554399	(11) EP2593870
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(11) EP2473208	(11) EP2555488	(11) EP2594591
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(11) EP2473676	(11) EP2557819	(11) EP2600801
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2474527	(11) EP2559386	(11) EP2600802
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2475419	(11) EP2559785	(11) EP2601804
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2475525	(11) EP2559844	(11) EP2602855
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2475828	(11) EP2559929	(11) EP2602856
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2477230	(11) EP2560092	(11) EP2603116
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2479742	(11) EP2560453	(11) EP2603173
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2482177	(11) EP2562335	(11) EP2603217
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2484714	(11) EP2564682	(11) EP2603220
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2485631	(11) EP2564821	(11) EP2603240
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
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(11) EP2486806	(11) EP2565446	(11) EP2603660
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2489127	(11) EP2567751	(11) EP2603950
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(11) EP2491147	(11) EP2570176	(11) EP2603961
(00) 19.07.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2507271	(11) EP2571243	(11) EP2603980
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(11) EP2527805	(11) EP2582118	(11) EP2603992
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(11) EP2537529	(11) EP2582294	(11) EP2604000
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
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(11) EP2538881	(11) EP2589847	(11) EP2605666
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(11) EP2539720	(11) EP2592204	(11) EP2605694
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
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(11) EP2554231	(11) EP2592664	(11) EP2605853
(00) 01.09.2022	(00) 31.03.2023	(00) 01.09.2022

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(11) EP2605911	(11) EP2611860	(11) EP2629605
(00) 01.09.2022	(00) 01.09.2022	(00) 23.02.2023
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(11) EP2605978	(11) EP2611872	(11) EP2632323
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(11) EP2605989	(11) EP2611925	(11) EP2643461
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2606070	(11) EP2611972	(11) EP2648236
(00) 01.09.2022	(00) 01.09.2022	(00) 31.03.2023
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(11) EP2606187	(11) EP2612136	(11) EP2658527
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
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(11) EP2606425	(11) EP2612445	(11) EP2665106
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(11) EP2606538	(11) EP2612637	(11) EP2665107
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2606581	(11) EP2612913	(11) EP2672206
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(11) EP2606684	(11) EP2614383	(11) EP2677634
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(11) EP2607516	(11) EP2614590	(11) EP2680246
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
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(11) EP2608777	(11) EP2614677	(11) EP2691453
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
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(11) EP2609200	(11) EP2614680	(11) EP2693566
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2609279	(11) EP2616488	(11) EP2693737
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2609398	(11) EP2616780	(11) EP2695588
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2609692	(11) EP2616789	(11) EP2695731
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2609706	(11) EP2619422	(11) EP2696572
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2609800	(11) EP2621340	(11) EP2696643
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
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(11) EP2611552	(11) EP2622148	(11) EP2698064
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2611627	(11) EP2622938	(11) EP2698087
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2611751	(11) EP2623582	(11) EP2698200
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2611848	(11) EP2624028	(11) EP2698255
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2611849	(11) EP2625848	(11) EP2698312
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022

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(11) EP2698921	(11) EP2739592	(11) EP2747747
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2700319	(11) EP2739655	(11) EP2747890
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2700758	(11) EP2739769	(11) EP2747986
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(11) EP2700802	(11) EP2740348	(11) EP2748007
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2700907	(11) EP2740813	(11) EP2748081
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2700932	(11) EP2741822	(11) EP2748116
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2701031	(11) EP2741922	(11) EP2748118
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2701153	(11) EP2742311	(11) EP2748244
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2701315	(11) EP2742718	(11) EP2748387
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2703459	(11) EP2742772	(11) EP2748573
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2703836	(11) EP2742905	(11) EP2748577
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2703998	(11) EP2744375	(11) EP2748887
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2704347	(11) EP2744718	(11) EP2748981
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2704450	(11) EP2744838	(11) EP2749006
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2704459	(11) EP2744932	(11) EP2749009
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2710984	(11) EP2744969	(11) EP2749665
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2717812	(11) EP2745163	(11) EP2750501
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2722199	(11) EP2745330	(11) EP2750631
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2732766	(11) EP2745567	(11) EP2750638
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2736577	(11) EP2745568	(11) EP2750652
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2737109	(11) EP2746829	(11) EP2750753
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2739455	(11) EP2747645	(11) EP2750768
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2750800	(11) EP2765581	(11) EP2835187
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2751009	(11) EP2771659	(11) EP2835316
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2751013	(11) EP2773197	(11) EP2835390
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2751132	(11) EP2773266	(11) EP2835414
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2751177	(11) EP2775192	(11) EP2835817
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2751558	(11) EP2779795	(11) EP2837861
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2751933	(11) EP2786708	(11) EP2838194
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2752240	(11) EP2791949	(11) EP2838475
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2752372	(11) EP2792336	(11) EP2840294
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2753455	(11) EP2801149	(11) EP2840588
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2753905	(11) EP2804211	(11) EP2842410
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2755886	(11) EP2807344	(11) EP2842411
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2756045	(11) EP2807497	(11) EP2842702
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2756131	(11) EP2812442	(11) EP2842703
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2757600	(11) EP2812677	(11) EP2843680
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2757601	(11) EP2815484	(11) EP2843913
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2758356	(11) EP2818098	(11) EP2844007
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2758443	(11) EP2818259	(11) EP2844412
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2761197	(11) EP2819528	(11) EP2845843
(00) 01.09.2022	(00) 08.12.2022	(00) 01.09.2022
(00) EPV lapsed	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP2763742	(11) EP2823353	(11) EP2845945
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2764061	(11) EP2828796	(11) EP2846267
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2764257	(11) EP2833621	(11) EP2846474
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2848111	(11) EP2880233	(11) EP2888915
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2848815	(11) EP2880877	(11) EP2889623
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2850555	(11) EP2881914	(11) EP2889722
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2850658	(11) EP2881972	(11) EP2890256
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2851506	(11) EP2882305	(11) EP2890321
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2852749	(11) EP2882366	(11) EP2890505
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2853715	(11) EP2882375	(11) EP2890609
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2859391	(11) EP2882435	(11) EP2890655
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2860191	(11) EP2882523	(11) EP2890683
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2860481	(11) EP2882536	(11) EP2890764
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2860617	(11) EP2882742	(11) EP2890793
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2860753	(11) EP2882871	(11) EP2890799
(00) 31.03.2023	(00) 01.09.2022	(00) 01.09.2022
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP2860779	(11) EP2882987	(11) EP2890800
(00) 31.03.2023	(00) 01.09.2022	(00) 01.09.2022
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP2863188	(11) EP2883919	(11) EP2890801
(00) 30.11.2022	(00) 27.02.2023	(00) 01.09.2022
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP2863444	(11) EP2884073	(11) EP2890857
(00) 31.03.2023	(00) 01.09.2022	(00) 01.09.2022
(00) Patent Expired	(00) EPV lapsed	(00) EPV lapsed
(11) EP2877823	(11) EP2885123	(11) EP2890944
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2878091	(11) EP2885420	(11) EP2890979
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2879423	(11) EP2885595	(11) EP2891373
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2879541	(11) EP2887954	(11) EP2891651
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2879728	(11) EP2888329	(11) EP2891721
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2879829	(11) EP2888493	(11) EP2891887
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2879892	(11) EP2888666	(11) EP2892719
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2892758	(11) EP2934874	(11) EP2984987
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2892838	(11) EP2934905	(11) EP2985155
(00) 01.09.2022	(00) 07.02.2023	(00) 01.09.2022
(00) EPV lapsed	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP2892853	(11) EP2938268	(11) EP2985293
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2893339	(11) EP2942339	(11) EP2987594
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2895569	(11) EP2943243	(11) EP2988764
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2897396	(11) EP2945622	(11) EP2989286
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2897456	(11) EP2947080	(11) EP2989890
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP2902744	(11) EP2948581	(11) EP2990327
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2905258	(11) EP2954464	(11) EP2990363
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2905911	(11) EP2954648	(11) EP2990542
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2907991	(11) EP2954961	(11) EP2991095
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2908125	(11) EP2958983	(11) EP2991322
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2909697	(11) EP2962962	(11) EP2991345
(00) 30.11.2022	(00) 28.02.2023	(00) 01.09.2022
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV lapsed
(11) EP2912880	(11) EP2967299	(11) EP2991545
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2914413	(11) EP2968751	(11) EP2993148
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2918293	(11) EP2969521	(11) EP2993366
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2920547	(11) EP2971658	(11) EP2995451
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP2922099	(11) EP2971734	(11) EP2999254
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP2925691	(11) EP2974771	(11) EP3002749
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP2930874	(11) EP2975694	(11) EP3002971
(00) 30.11.2022	(00) 30.11.2022	(00) 02.04.2023
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) Patent Expired
(11) EP2932921	(11) EP2982649	(11) EP3003774
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP2933336	(11) EP2984975	(11) EP3005028
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3005417	(11) EP3030304	(11) EP3035955
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3006879	(11) EP3030635	(11) EP3035965
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3006988	(11) EP3030671	(11) EP3035974
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3009400	(11) EP3031212	(11) EP3036032
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3010170	(11) EP3031257	(11) EP3036166
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3011429	(11) EP3031269	(11) EP3036194
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3011680	(11) EP3031420	(11) EP3036203
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3011691	(11) EP3032701	(11) EP3036295
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3011798	(11) EP3032734	(11) EP3036528
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3017567	(11) EP3032997	(11) EP3036936
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3020155	(11) EP3033096	(11) EP3038560
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3021163	(11) EP3033123	(11) EP3038705
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3021794	(11) EP3033125	(11) EP3038749
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3023838	(11) EP3033126	(11) EP3038756
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3026876	(11) EP3033233	(11) EP3038894
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3027163	(11) EP3033297	(11) EP3039123
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3027999	(11) EP3033409	(11) EP3039231
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3028035	(11) EP3033581	(11) EP3039556
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3028065	(11) EP3033583	(11) EP3039820
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3028394	(11) EP3033821	(11) EP3039847
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3030136	(11) EP3033913	(11) EP3040329
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3030224	(11) EP3035817	(11) EP3041150
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3041966	(11) EP3070289	(11) EP3124973
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3042030	(11) EP3079894	(11) EP3125639
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3042552	(11) EP3082166	(11) EP3126274
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3043593	(11) EP3086564	(11) EP3126825
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3043908	(11) EP3091320	(11) EP3127589
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3047097	(11) EP3092363	(11) EP3127624
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3051906	(11) EP3097481	(11) EP3128456
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3053168	(11) EP3097710	(11) EP3128793
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3054730	(11) EP3098146	(11) EP3129264
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3054786	(11) EP3098872	(11) EP3131224
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3055879	(11) EP3101204	(11) EP3132840
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3056022	(11) EP3101673	(11) EP3133485
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3056394	(11) EP3101814	(11) EP3133640
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3058845	(11) EP3101816	(11) EP3135104
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3059749	(11) EP3102679	(11) EP3135626
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3060315	(11) EP3102899	(11) EP3136200
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3060392	(11) EP3105850	(11) EP3137919
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3060621	(11) EP3107579	(11) EP3138302
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3063261	(11) EP3107873	(11) EP3138902
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3064041	(11) EP3111984	(11) EP3139978
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3065363	(11) EP3114558	(11) EP3141601
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3069460	(11) EP3119302	(11) EP3144435
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3145892	(11) EP3170696	(11) EP3183468
(00) 20.02.2023	(00) 01.09.2022	(00) 01.09.2022
(00) European Patent got Revoked	(00) EPV lapsed	(00) EPV lapsed
(11) EP3146954	(11) EP3171073	(11) EP3183571
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3147176	(11) EP3171387	(11) EP3183779
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3147187	(11) EP3173091	(11) EP3183859
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3147437	(11) EP3173853	(11) EP3184614
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3148518	(11) EP3175232	(11) EP3185787
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3149291	(11) EP3177137	(11) EP3185939
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3154166	(11) EP3177395	(11) EP3186024
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3155082	(11) EP3177531	(11) EP3186096
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3156102	(11) EP3177635	(11) EP3186384
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3156505	(11) EP3178011	(11) EP3186818
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3156576	(11) EP3178180	(11) EP3187540
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3156716	(11) EP3180047	(11) EP3187589
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3159869	(11) EP3180362	(11) EP3187627
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3161502	(11) EP3180452	(11) EP3187934
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3162283	(11) EP3180897	(11) EP3187986
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3162433	(11) EP3181044	(11) EP3188059
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3163292	(11) EP3181982	(11) EP3188277
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3166057	(11) EP3182693	(11) EP3188312
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3167535	(11) EP3182980	(11) EP3188869
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3168661	(11) EP3183060	(11) EP3189355
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3169863	(11) EP3183208	(11) EP3189396
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022

(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3189521	(11) EP3212367	(11) EP3254358
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3189536	(11) EP3212494	(11) EP3260225
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3189706	(11) EP3212543	(11) EP3261564
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3190686	(11) EP3213496	(11) EP3262453
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3194713	(11) EP3213843	(11) EP3263579
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3194942	(11) EP3214778	(11) EP3263813
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3195247	(11) EP3216233	(11) EP3265393
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3195580	(11) EP3218356	(11) EP3266425
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3197798	(11) EP3228889	(11) EP3267450
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3199601	(11) EP3229117	(11) EP3267577
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3201116	(11) EP3229661	(11) EP3267608
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3201578	(11) EP3231408	(11) EP3271978
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3201606	(11) EP3234303	(11) EP3272305
(00) 30.11.2022	(00) 10.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) European Patent got Revoked	(00) EPV Ceased Effect
(11) EP3201900	(11) EP3237399	(11) EP3272903
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3204182	(11) EP3243352	(11) EP3274513
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3204827	(11) EP3247027	(11) EP3274707
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3204832	(11) EP3248285	(11) EP3275915
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3209042	(11) EP3250169	(11) EP3277842
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3210049	(11) EP3250571	(11) EP3280020
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3210208	(11) EP3252243	(11) EP3282667
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3210458	(11) EP3252732	(11) EP3283338
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3211608	(11) EP3252887	(11) EP3283917
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3284874	(11) EP3309455	(11) EP3330376
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3285419	(11) EP3310238	(11) EP3331357
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3287117	(11) EP3310921	(11) EP3331358
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3288188	(11) EP3311885	(11) EP3331386
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3289472	(11) EP3312039	(11) EP3331493
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3290309	(11) EP3312563	(11) EP3331517
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3291091	(11) EP3313598	(11) EP3331773
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3295545	(11) EP3313915	(11) EP3331998
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3295885	(11) EP3314972	(11) EP3332590
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3296168	(11) EP3316912	(11) EP3332699
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3296230	(11) EP3317418	(11) EP3333723
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3298022	(11) EP3317461	(11) EP3334286
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3298474	(11) EP3318737	(11) EP3334379
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3299940	(11) EP3319211	(11) EP3334381
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3301070	(11) EP3320445	(11) EP3334598
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3301770	(11) EP3321417	(11) EP3334690
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3302751	(11) EP3321803	(11) EP3334697
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3305290	(11) EP3322488	(11) EP3335046
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3305424	(11) EP3322682	(11) EP3335201
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3306038	(11) EP3327178	(11) EP3335346
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3308072	(11) EP3328653	(11) EP3335359
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3309374	(11) EP3329364	(11) EP3335516
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022

(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3335521	(11) EP3341753	(11) EP3357716
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3336223	(11) EP3341868	(11) EP3357907
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3337331	(11) EP3342743	(11) EP3358765
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3337441	(11) EP3342851	(11) EP3360481
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3337597	(11) EP3344005	(11) EP3361226
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3337769	(11) EP3344180	(11) EP3361238
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3337820	(11) EP3344190	(11) EP3361413
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3338309	(11) EP3344320	(11) EP3361625
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3338367	(11) EP3344438	(11) EP3362855
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3338377	(11) EP3344731	(11) EP3362924
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3340078	(11) EP3345281	(11) EP3363223
(00) 30.11.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV lapsed
(11) EP3340315	(11) EP3345600	(11) EP3363898
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3340511	(11) EP3345945	(11) EP3364284
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3340572	(11) EP3346126	(11) EP3364840
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3340789	(11) EP3346609	(11) EP3364901
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3340872	(11) EP3347313	(11) EP3365197
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3341020	(11) EP3349993	(11) EP3365244
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3341044	(11) EP3350269	(11) EP3365668
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3341321	(11) EP3353853	(11) EP3365675
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3341367	(11) EP3356203	(11) EP3365719
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3341483	(11) EP3357467	(11) EP3366682
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3341660	(11) EP3357469	(11) EP3367458
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3368549	(11) EP3388027	(11) EP3411444
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3368623	(11) EP3388903	(11) EP3411686
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3369490	(11) EP3391936	(11) EP3413197
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3370153	(11) EP3393770	(11) EP3413376
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3370493	(11) EP3395391	(11) EP3414831
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3370559	(11) EP3395943	(11) EP3415586
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3370899	(11) EP3399093	(11) EP3416774
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3370959	(11) EP3401721	(11) EP3417950
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3371313	(11) EP3401976	(11) EP3419029
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3372331	(11) EP3402242	(11) EP3420942
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3375098	(11) EP3402636	(11) EP3421842
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376618	(11) EP3403404	(11) EP3422541
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376724	(11) EP3403948	(11) EP3422974
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3376798	(11) EP3404020	(11) EP3423323
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3378113	(11) EP3404672	(11) EP3424127
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3379421	(11) EP3406175	(11) EP3424247
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381190	(11) EP3407162	(11) EP3425159
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381485	(11) EP3407252	(11) EP3426131
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3381619	(11) EP3408867	(11) EP3426255
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3384892	(11) EP3409403	(11) EP3426520
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3387384	(11) EP3410885	(11) EP3428013
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3387627	(11) EP3411260	(11) EP3428651
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022

(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3430335	(11) EP3442650	(11) EP3453803
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3430626	(11) EP3443989	(11) EP3453927
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3430868	(11) EP3444031	(11) EP3454061
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3431175	(11) EP3444247	(11) EP3454257
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432159	(11) EP3444394	(11) EP3454691
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432389	(11) EP3446225	(11) EP3454837
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3432806	(11) EP3446621	(11) EP3455145
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3433055	(11) EP3446795	(11) EP3456251
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3435155	(11) EP3447237	(11) EP3456449
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3435226	(11) EP3447870	(11) EP3456593
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3435438	(11) EP3448105	(11) EP3457465
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3435930	(11) EP3448225	(11) EP3457990
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3436624	(11) EP3448314	(11) EP3458273
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3437581	(11) EP3449732	(11) EP3458308
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3437701	(11) EP3449788	(11) EP3459778
(00) 01.09.2022	(00) 01.09.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV lapsed
(11) EP3437744	(11) EP3449887	(11) EP3460322
(00) 01.09.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3438740	(11) EP3451113	(11) EP3461418
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3439861	(11) EP3451583	(11) EP3461980
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3440066	(11) EP3451780	(11) EP3462723
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3441128	(11) EP3451812	(11) EP3464005
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3441207	(11) EP3451923	(11) EP3466421
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(11) EP3441332	(11) EP3452608	(11) EP3466485
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022

(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3467006	(11) EP3476541	(11) EP3485768
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
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(11) EP3467378	(11) EP3476927	(11) EP3485934
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
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(11) EP3468189	(11) EP3477056	(11) EP3486292
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3469666	(11) EP3477311	(11) EP3486319
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3470506	(11) EP3477478	(11) EP3487221
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3471325	(11) EP3477796	(11) EP3487635
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3471454	(11) EP3478872	(11) EP3488155
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3472010	(11) EP3478969	(11) EP3488446
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3472062	(11) EP3479939	(11) EP3488494
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3472079	(11) EP3480528	(11) EP3488890
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3472393	(11) EP3481137	(11) EP3488966
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3472444	(11) EP3482426	(11) EP3490013
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3472903	(11) EP3482781	(11) EP3492971
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3473270	(11) EP3483057	(11) EP3493514
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3473842	(11) EP3483403	(11) EP3494036
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3473846	(11) EP3483656	(11) EP3494044
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3473868	(11) EP3483892	(11) EP3494737
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3474022	(11) EP3484003	(11) EP3495494
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474028	(11) EP3484006	(11) EP3496252
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3474046	(11) EP3484007	(11) EP3496575
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3474273	(11) EP3484168	(11) EP3496936
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3476503	(11) EP3484872	(11) EP3496949
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022

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(11) EP3497193	(11) EP3507581	(11) EP3517133
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3497434	(11) EP3507937	(11) EP3517480
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3497530	(11) EP3508346	(11) EP3519270
(00) 01.09.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3498404	(11) EP3508363	(11) EP3519369
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3499234	(11) EP3509728	(11) EP3519790
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3499362	(11) EP3509802	(11) EP3519868
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3500533	(11) EP3510065	(11) EP3520016
(00) 30.11.2022	(00) 01.09.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV lapsed	(00) EPV Ceased Effect
(11) EP3501188	(11) EP3511120	(11) EP3521147
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3501209	(11) EP3511508	(11) EP3521855
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3502201	(11) EP3511536	(11) EP3521922
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3502663	(11) EP3512057	(11) EP3522519
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3502862	(11) EP3512655	(11) EP3522573
(00) 30.11.2022	(00) 30.11.2022	(00) 01.09.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV lapsed
(11) EP3502908	(11) EP3513591	(11) EP3524554
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3503361	(11) EP3513670	(11) EP3524555
(00) 30.11.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV Ceased Effect	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3503738	(11) EP3513929	(11) EP3525024
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
(11) EP3504016	(11) EP3514888	(11) EP3525990
(00) 01.09.2022	(00) 30.11.2022	(00) 30.11.2022
(00) EPV lapsed	(00) EPV Ceased Effect	(00) EPV Ceased Effect
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(11) EP3677069	(11) EP3686474	(11) EP3694244
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VRB

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

CO

Ingeschreven overdrachten.

Contains data concerning registered assignments or change of owners.

(71) Intelligent Environmental Systems B.V. TBS-SVA Groep B.V.	(00) Demerger (71) Resonac Corporation	(00) 20.03.2023 (51) C08F 4/80
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(71) Siemens Energy Global GmbH & Co. KG (73) Siemens Energy Global GmbH & Co. KG (11) EP1707653 (00) 21.03.2023 (51) C23C 28/00 (00) Assignment	(71) Purdue Pharma LP (73) Purdue Pharma LP (11) EP2086958 (00) 24.03.2023 (51) A61K 31/498 A61K 31/4985 A61P 25/04 C07D 401/04 C07D 401/14 C07D 451/04 C07D 451/14 C07D 471/14 (00) Assignment	(71) Showa Denko Materials Co., Ltd. (73) Resonac Corporation (11) EP2136919 (00) 20.03.2023 (51) B01J 37/16 (00) Demerger
(71) Showa Denko Materials Co., Ltd. (73) Resonac Corporation (11) EP1819422 (00) 20.03.2023 (51) A61M 16/00 B01D 53/86 B01J 8/02 B01J 23/56 B01J 23/89 (00) Demerger	(71) Purdue Pharma LP (73) Purdue Pharma LP (11) EP2324013 (00) 24.03.2023 (51) A61K 31/498 A61P 25/04 C07D 403/04 (00) Assignment	(71) Schramm GmbH (73) Schramm GmbH (11) EP2570053 (00) 27.03.2023 (51) A47C 23/00 A47C 23/043 (00) Change of owner(s) name
(71) Resonac Corporation (73) Resonac Corporation (11) EP1819422 (00) 20.03.2023 (51) A61M 16/00 B01D 53/86 B01J 8/02 B01J 23/56 B01J 23/89 (00) Change of Legal Entity	(71) Siemens Energy Global GmbH & Co. KG (73) Siemens Energy Global GmbH & Co. KG (11) EP2558875 (00) 21.03.2023 (51) G01R 33/00 G01R 33/07 H01F 27/38 H01F 27/40 (00) Assignment	(71) Resonac Corporation (73) Resonac Corporation (11) EP2136919 (00) 20.03.2023 (51) B01J 37/16 (00) Change of Legal Entity (71) Mando Corporation (73) Mando Corporation (11) EP2519436 (00) 27.03.2023 (51) B62K 15/00 B62M 23/02 B62M 6/40 B62M 6/65 (00) Change of owner(s) name
(71) Siemens Energy Global GmbH & Co. KG (73) Siemens Energy Global GmbH & Co. KG (11) EP1907670 (00) 21.03.2023 (51) F01D 5/18 (00) Assignment	(71) The University Of Tokyo Showa Denko Materials Co., Ltd. (73) The University Of Tokyo Resonac Corporation (11) EP2470575 (00) 20.03.2023 (51) C08F 4/80 C08F 210/02 (00) Demerger	(71) Siemens Energy Global GmbH & Co. KG (73) Siemens Energy Global GmbH & Co. KG (11) EP2428646 (00) 21.03.2023 (51) F01D 5/18 F01D 5/28 F23R 3/04 (00) Assignment (71) Coloplast A/S (73) Coloplast A/S (11) EP2544745 (00) 27.03.2023 (51) A61M 16/04 (00) Assignment
(71) Showa Denko Materials Co., Ltd. (73) Resonac Corporation (11) EP1981833 (00) 20.03.2023 (51) C07C 29/82	(71) The University Of Tokyo Resonac Corporation (73) The University Of Tokyo Resonac Corporation (11) EP2470575	(71) Showa Denko Materials Co., Ltd.

(73) Resonac Corporation	C07D 451/04	(11) EP2367588
(11) EP2614091	C07D 451/14	(00) 27.03.2023
(00) 20.03.2023	C07D 471/14	(51) A61F 2/20
(51) C07F 15/00	(00) Assignment	A61M 16/04
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(00) Demerger	(73) Resonac Corporation	(00) Assignment
(71) Resonac Corporation	(11) EP2619160	(71) Continental Automotive Technologies GmbH
(73) Resonac Corporation	(00) 20.03.2023	(73) Continental Automotive Technologies GmbH
(11) EP2552882	(51) B01J 21/08	(11) EP2534555
(00) 20.03.2023	B01J 23/89	(00) 24.03.2023
(51) C07C 67/055	B01J 37/16	(51) G06F 3/01
C07C 67/283	C07C 29/09	G06F 3/041
C07C 67/60	C07C 33/03	G06F 3/0488
(00) Change of Legal Entity	C07C 67/055	(00) Assignment
(71) Showa Denko Materials Co., Ltd.	C07C 69/155	(71) Resonac Corporation
(73) Resonac Corporation	(00) Demerger	(73) Resonac Corporation
(11) EP2552882	(71) Coloplast A/S	(11) EP2634197
(00) 20.03.2023	(73) Coloplast A/S	(00) 20.03.2023
(51) C07C 67/055	(11) EP2358420	(51) C07C 251/30
C07C 67/283	(00) 27.03.2023	C07F 15/00
C07C 67/60	(51) A61M 16/04	C08F 4/70
(00) Demerger	A61M 16/10	C08F 32/08
(71) Resonac Corporation	(00) Assignment	(00) Change of Legal Entity
(73) Resonac Corporation	(71) Resonac Corporation	(71) Showa Denko Materials Co., Ltd.
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(51) B01J 21/08	(00) 20.03.2023	(00) 20.03.2023
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B01J 37/16	(00) Change of Legal Entity	C07F 15/00
C07C 29/09	(71) Showa Denko Materials Co., Ltd.	C08F 4/70
C07C 33/03	(73) Resonac Corporation	C08F 32/08
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C07C 69/155	(00) 20.03.2023	(71) Caso Holding GmbH
(00) Change of Legal Entity	(51) B01J 37/16	(73) Caso Holding GmbH
(71) Resonac Corporation	(00) Demerger	(11) EP2542786
(73) Resonac Corporation	(71) Showa Denko Materials Co., Ltd.	(00) 24.03.2023
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(00) 20.03.2023	(11) EP2508560	F04D 29/42
(51) C08G 59/50	(00) 20.03.2023	F04D 29/44
C08G 59/66	(51) C08K 5/10	F04D 29/58
C09D 7/00	C08K 5/41	F04D 29/70
C09D 7/12	C08L 11/02	F24C 15/20
C09D 163/00	C08L 33/04	(00) Assignment
C09D 177/00	C09J 11/00	(71) ZF CV Systems Hannover GmbH
C09D 179/02	C09J 111/02	(73) ZF CV Systems Hannover GmbH
(00) Change of Legal Entity	C09J 133/04	(11) EP2750942
(71) Showa Denko Materials Co., Ltd.	(00) Demerger	(00) 27.03.2023
(73) Resonac Corporation	(71) Coloplast A/S	(51) B60T 7/12
(11) EP2436715	(73) Coloplast A/S	B60T 8/1755
(00) 20.03.2023	(11) EP2931177	B60T 13/26
(51) C08G 59/50	(00) 27.03.2023	B60T 13/38
C08G 59/66	(51) A61F 2/20	B60T 13/66
C09D 7/00	(00) Assignment	B60T 17/22
C09D 7/12	(71) Resonac Corporation	B60T 8/24
C09D 163/00	(73) Resonac Corporation	(00) Change of owner(s) name
C09D 177/00	(11) EP2508560	(71) Coloplast A/S
C09D 179/02	(00) 20.03.2023	(73) Coloplast A/S
(00) Demerger	(51) C08K 5/10	(11) EP2827931
(71) Purdue Pharma LP	C08K 5/41	(00) 27.03.2023
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(00) 24.03.2023	C09J 11/00	(71) Continental Automotive Technologies GmbH
(51) A61K 31/498	C09J 111/02	(73) Continental Automotive Technologies GmbH
A61K 31/4985	C09J 133/04	
A61P 25/04	(00) Change of Legal Entity	
C07D 401/04	(71) Coloplast A/S	
C07D 401/14	(73) Coloplast A/S	

(11) EP2678994	(73) Resonac Corporation	Showa Denko Materials Co., Ltd.
(00) 24.03.2023	(11) EP2689862	(73) National University Corporation Hokkaido
(51) B60W 50/00	(00) 20.03.2023	University
H04L 29/08	(51) B09B 3/00	Resonac Corporation
(00) Assignment	C12P 19/02	(11) EP2481479
(71) Coloplast A/S	C13K 1/02	(00) 20.03.2023
(73) Coloplast A/S	(00) Change of Legal Entity	(51) B01J 21/06
(11) EP3061484	(71) Coloplast A/S	B01J 21/18
(00) 27.03.2023	(73) Coloplast A/S	B01J 23/40
(51) A61M 16/04	(11) EP2714169	B01J 23/46
A61M 16/10	(00) 27.03.2023	B01J 29/03
(00) Assignment	(51) A61M 16/04	B01J 29/04
(71) Showa Denko Materials Co., Ltd.	(00) Assignment	B01J 35/00
(73) Resonac Corporation	(71) Showa Denko Materials Co., Ltd.	B01J 35/02
(11) EP2298842	(73) Resonac Corporation	B01J 35/10
(00) 20.03.2023	(11) EP2689862	B01J 37/00
(51) B05D 1/36	(00) 20.03.2023	B01J 37/08
B05D 7/24	(51) B09B 3/00	C07B 61/00
C09D 175/04	C12P 19/02	C13K 1/02
C09D 175/06	C13K 1/02	(00) Demerger
C09D 175/08	(00) Demerger	(71) Hitachi Zosen Corporation
(00) Demerger	(71) Coloplast A/S	(73) Hitachi Zosen Corporation
(71) National University Corporation Hokkaido	(73) Coloplast A/S	(11) EP2998013
University	(11) EP2442753	(00) 23.03.2023
Resonac Corporation	(00) 27.03.2023	(51) B01D 3/14
(73) National University Corporation Hokkaido	(51) A61F 2/20	B01D 53/22
University	(00) Assignment	C07C 29/80
Resonac Corporation	(71) Coloplast A/S	C07C 31/10
(11) EP2481479	(73) Coloplast A/S	(00) Assignment
(00) 20.03.2023	(11) EP2931342	(71) Bridgestone Mobility Solutions B.V.
(51) B01J 21/06	(00) 27.03.2023	(73) Bridgestone Mobility Solutions B.V.
B01J 21/18	(51) A61F 13/12	(11) EP2932195
B01J 23/40	A61M 16/04	(00) 24.03.2023
B01J 23/46	(00) Assignment	(51) G01C 21/30
B01J 29/03	(71) Bridgestone Mobility Solutions B.V.	G06K 9/00
B01J 29/04	(73) Bridgestone Mobility Solutions B.V.	G07C 5/00
B01J 35/00	(11) EP2700277	(00) Change of owner(s) name
B01J 35/02	(00) 24.03.2023	(71) Webfleet Solutions B.V.
B01J 35/10	(51) G08G 1/00	(73) Bridgestone Mobility Solutions B.V.
B01J 37/00	(00) Change of owner(s) name	(11) EP2932195
B01J 37/08	(71) Webfleet Solutions B.V.	(00) 24.03.2023
C07B 61/00	(73) Bridgestone Mobility Solutions B.V.	(51) G01C 21/30
C13K 1/02	(11) EP2700277	G06K 9/00
(00) Change of Legal Entity	(00) 24.03.2023	G07C 5/00
(71) Resonac Corporation	(51) G08G 1/00	(00) Change of owner(s) name
(73) Resonac Corporation	(00) Change of owner(s) name	(71) Aktieselskabet af 19.01.1940
(11) EP2298842	(71) Ensinger GmbH	(73) Aktieselskabet af 19.01.1940
(00) 20.03.2023	(73) Ensinger GmbH	(11) EP1906726
(51) B05D 1/36	(11) EP3286256	(00) 22.03.2023
B05D 7/24	(00) 22.03.2023	(51) A01J 5/01
C09D 175/04	(51) B32B 5/00	G01F 1/52
C09D 175/06	C08J 5/04	G01F 23/24
C09D 175/08	C08J 5/08	(00) Change of Legal Entity
(00) Change of Legal Entity	C08K 3/40	(71) Coloplast A/S
(71) Webfleet Solutions B.V.	C08K 7/14	(73) Coloplast A/S
(73) Bridgestone Mobility Solutions B.V.	C08K 9/06	(11) EP3153202
(11) EP2700062	C08L 25/12	(00) 27.03.2023
(00) 24.03.2023	C03C 25/26	(51) A61M 16/04
(51) G08G 1/00	(00) Assignment	A61M 16/10
(00) Change of owner(s) name	(71) Coloplast A/S	(00) Assignment
(71) Bridgestone Mobility Solutions B.V.	(73) Coloplast A/S	(71) Continental Automotive Technologies
(73) Bridgestone Mobility Solutions B.V.	(11) EP3153201	GmbH
(11) EP2700062	(00) 27.03.2023	(73) Continental Automotive Technologies
(00) 24.03.2023	(51) A61M 16/04	GmbH
(51) G08G 1/00	(00) Assignment	(11) EP3281825
(00) Change of owner(s) name	(71) National University Corporation Hokkaido	(00) 24.03.2023
(71) Resonac Corporation	University	(51) B60R 1/12

(00) Assignment	(00) 24.03.2023	C10G 1/06
(71) NOVARTIS AG	(51) A23B 7/154	C10G 3/00
(73) NOVARTIS AG	A23B 7/157	C10K 1/32
(11) EP3197868	A23B 7/16	(00) Change of owner(s) name
(00) 27.03.2023	A23L 3/3508	(71) Resonac Corporation
(51) A61K 31/403	A23L 3/3544	(73) Resonac Corporation
A61P 25/28	(00) Merge	(11) EP3064556
C07D 209/52	(71) Florette Innova Iberica SL	(00) 20.03.2023
(00) Assignment	(73) Florette Innova Iberica SL	(51) H01B 1/22
(71) Resonac Corporation	(11) EP3092903	H01B 13/00
(73) Resonac Corporation	(00) 24.03.2023	C09D 11/033
(11) EP2154162	(51) A23B 7/154	C09D 11/037
(00) 20.03.2023	A23B 7/157	C09D 11/10
(51) C08F 8/30	A23B 7/16	C09D 11/52
C08F 20/36	A23L 3/3508	(00) Change of Legal Entity
C08F 20/38	A23L 3/3544	(71) Showa Denko Materials Co., Ltd.
C08F 290/06	(00) Assignment	(73) Resonac Corporation
C08G 18/32	(71) Takeda Pharmaceutical Company	(11) EP3064556
C08G 18/38	Limited	(00) 20.03.2023
C08G 18/81	(73) Takeda Pharmaceutical Company	(51) H01B 1/22
C08G 63/91	Limited	H01B 13/00
C08G 65/48	(11) EP3412305	C09D 11/033
C09D 175/16	(00) 24.03.2023	C09D 11/037
G02B 5/20	(51) A61K 38/36	C09D 11/10
G03F 7/00	A61K 38/37	C09D 11/52
G03F 7/027	A61P 7/00	(00) Demerger
(00) Change of Legal Entity	A61P 7/02	(71) Resonac Corporation
(71) Showa Denko Materials Co., Ltd.	A61P 7/04	(73) Resonac Corporation
(73) Resonac Corporation	A61P 43/00	(11) EP3393976
(11) EP2154162	(00) Assignment	(00) 20.03.2023
(00) 20.03.2023	(71) Rohinni, Inc.	(51) C01G 23/053
(51) C08F 8/30	(73) Rohinni, Inc.	(00) Change of Legal Entity
C08F 20/36	(11) EP3271937	(71) Showa Denko Materials Co., Ltd.
C08F 20/38	(00) 21.03.2023	(73) Resonac Corporation
C08F 290/06	(51) H01L 21/50	(11) EP3393976
C08G 18/32	H01L 21/56	(00) 20.03.2023
C08G 18/38	H01L 21/60	(51) C01G 23/053
C08G 18/81	H01L 21/67	(00) Demerger
C08G 63/91	H01L 21/683	(71) Coloplast A/S
C08G 65/48	H01L 23/31	(73) Coloplast A/S
C09D 175/16	H01L 23/544	(11) EP3410997
G02B 5/20	H01L 25/03	(00) 27.03.2023
G03F 7/00	(00) Change of Legal Entity	(51) A61F 13/02
G03F 7/027	(71) Speeder Systems Holding B.V.	A61M 16/04
(00) Demerger	(73) Speeder Systems Holding B.V.	(00) Assignment
(71) Coloplast A/S	(11) 2026721	(71) Micronit Holding B.V.
(73) Coloplast A/S	(00) 28.03.2023	(73) Micronit Holding B.V.
(11) EP3383468	(51) B60V 1/14	(11) 2027864
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(51) A61F 2/00	B64C 35/00	(51) C09J 5/02
A61F 2/20	(00) Assignment	(00) Assignment
B25B 27/28	(71) Continental Automotive Technologies	(71) Showa Denko Materials Co., Ltd.
(00) Assignment	GmbH	(73) Resonac Corporation
(71) Takeda Pharmaceutical Company	(73) Continental Automotive Technologies	(11) EP3025778
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(73) Takeda Pharmaceutical Company	(11) EP3535163	(51) B01J 31/02
Limited	(00) 24.03.2023	C07C 231/10
(11) EP3103861	(51) B60R 1/00	C07C 233/18
(00) 24.03.2023	B60R 11/02	C07C 269/02
(51) A61L 2/00	F16M 11/04	C07C 271/04
C12M 1/00	(00) Assignment	C07C 271/16
C12M 1/12	(71) GTI ENERGY	C07C 271/20
C12N 5/00	(73) GTI ENERGY	C07C 271/24
(00) Assignment	(11) EP3514109	C08F 20/36
(71) Florette Iberica SL	(00) 27.03.2023	(00) Demerger
(73) Florette Innova Iberica SL	(51) C01B 3/34	(71) Resonac Corporation
(11) EP3092903	C10G 1/00	(73) Resonac Corporation

(11) EP3025778	(73) Coloplast A/S	(73) Resonac Corporation
(00) 20.03.2023	(11) EP2155308	(11) EP2991083
(51) B01J 31/02	(00) 27.03.2023	(00) 20.03.2023
C07C 231/10	(51) A61M 16/04	(51) B05D 3/06
C07C 233/18	(00) Assignment	B05D 5/12
C07C 269/02	(71) InterDigital Patent Holdings, Inc.	H01B 5/14
C07C 271/04	(73) InterDigital Patent Holdings, Inc.	H01B 13/00
C07C 271/16	(11) EP3621329	H01L 51/00
C07C 271/20	(00) 20.03.2023	(00) Demerger
C07C 271/24	(51) H04W 4/70	(71) The University Of Tokyo
C08F 20/36	H04W 4/14	Showa Denko Materials Co., Ltd.
(00) Change of Legal Entity	(00) Assignment	(73) The University Of Tokyo
(71) Continental Automotive Technologies GmbH	(71) InterDigital Patent Holdings, Inc.	Resonac Corporation
(73) Continental Automotive Technologies GmbH	(73) InterDigital Patent Holdings, Inc.	(11) EP3190120
(11) EP3670006	(11) EP3455985	(00) 20.03.2023
(00) 24.03.2023	(00) 20.03.2023	(51) C07F 15/00
(51) B06B 1/06	(51) H04L 5/00	C07F 9/53
B60G 11/27	H04B 7/06	C08F 4/70
B60G 17/019	(00) Assignment	C08F 4/80
(00) Assignment	(71) Continental Automotive Technologies GmbH	C08F 210/00
(71) Ensinger GmbH	(73) Continental Automotive Technologies GmbH	(00) Demerger
(73) Ensinger GmbH	(11) 2026352	(71) The University Of Tokyo
(11) EP3286258	(00) 24.03.2023	Resonac Corporation
(00) 22.03.2023	(51) B60R 1/00	(73) The University Of Tokyo
(51) C08J 5/08	B60R 11/04	Resonac Corporation
(00) Assignment	(00) Assignment	(11) EP3190120
(71) Continental Automotive Technologies GmbH	(71) Continental Automotive Technologies GmbH	(00) 20.03.2023
(73) Continental Automotive Technologies GmbH	(73) Continental Automotive Technologies GmbH	(51) C07F 15/00
(11) EP2874393	(11) EP3628981	C07F 9/53
(00) 24.03.2023	(00) 24.03.2023	C08F 4/70
(51) B60R 1/00	(51) G01D 11/24	C08F 4/80
H04N 7/18	G01K 1/08	C08F 210/00
(00) Assignment	H05K 1/02	(00) Change of Legal Entity
(71) Continental Automotive Technologies GmbH	H05K 1/14	(71) Rohinni, Inc.
(73) Continental Automotive Technologies GmbH	(00) Assignment	(73) Rohinni, Inc.
(11) EP3670005	(71) ADHARIA S.R.L.	(11) EP3545546
(00) 24.03.2023	(73) ADHARIA S.R.L.	(00) 21.03.2023
(51) B06B 1/06	(11) EP3631107	(51) H01L 21/687
B60G 11/27	(00) 21.03.2023	H01L 21/67
B60G 17/019	(51) B63B 1/12	H01L 21/683
(00) Assignment	B63B 35/44	H01L 23/544
(71) Continental Automotive Technologies GmbH	E04B 1/348	(00) Change of Legal Entity
(73) Continental Automotive Technologies GmbH	B63B 7/04	(71) GTS Deutschland GmbH
(11) EP3727938	B63B 71/00	(73) GTS Deutschland GmbH
(00) 24.03.2023	(00) Change of owner(s) name	(11) EP3883836
(51) B60R 1/06	(71) Stryker Corporation	(00) 24.03.2023
(00) Assignment	(73) Stryker Corporation	(51) B61L 5/18
(71) Ensinger GmbH	(11) EP3212095	B61L 27/53
(73) Ensinger GmbH	(00) 24.03.2023	B61L 7/10
(11) EP3286257	(51) A61B 17/16	G08C 19/02
(00) 22.03.2023	A61B 90/90	G08C 25/02
(51) B32B 5/02	(00) Assignment	H04Q 9/00
B32B 5/24	(71) Resonac Corporation	(00) Assignment
B32B 5/26	(73) Resonac Corporation	
B32B 27/12	(11) EP2991083	
C08J 5/04	(00) 20.03.2023	
C08J 5/08	(51) B05D 3/06	
(00) Assignment	B05D 5/12	
(71) Coloplast A/S	H01B 5/14	
	H01B 13/00	
	H01L 51/00	
	(00) Change of Legal Entity	
	(71) Showa Denko Materials Co., Ltd.	

TVH

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

UP1

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

UP2

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

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

UP3

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

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

UP4

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

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

UP5

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

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

UP6

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

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