



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

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General Information

*For information on the following please see our website www.ipaustralia.gov.au
or contact our Customer Service Network on 1300651010*

Editorial enquiries

Contact information

Freedom of Information ACT

Professional Standards Board

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Requests for Information under Section 194 (c)

Country Codes

Trade Mark and Designs Hearing Sessions

INID (Internationally agreed Numbers for the Identification of Data)

GUIDE TO THE USE OF THIS JOURNAL

The Australian Official Journal of Patents (AOJP) reports all major events and actions which take place during the life cycle of an Australian patent and provides certain details of these actions as they relate to the patent or patent application involved. This guide sets out to teach the reader how to use the journal to access this information.

While there are many possible actions in the life of a patent, the majority of actions reported relate to the following events, which are the main stages in the progression of a patent application to a granted patent:

(i) FILING -

This is the act of making an application. When the application is first filed certain details are published.

(ii) OPEN-TO-PUBLIC-INSPECTION (OPI) -

Approximately 18 months after first filing of an Australian or a corresponding foreign application, certain application documents, including the complete specification, become available to the public (Open-to-Public-Inspection or "OPI"). Relevant application details are published.

(iii) ACCEPTANCE –

This is the Commissioner's acceptance of a patent application. Once the Commissioner has accepted a patent application, certain details of the application are published in the AOJP. Notice of opposition may be filed within three months of advertisement of acceptance.

(iv) OPPOSITION –

If an opposition action is commenced against the grant of the patent, the application number and the name of the opponent are published. If the opposition is to the Certification of an Innovation Patent, the patent number and the name of the opponent are published.

(v) GRANTING –

Most accepted applications are not opposed. These proceed to grant and become granted patents. Of the few that are opposed (less than 1%) most of these, after resolution of the opposition, proceed to grant and become granted patents. Granted patents are simply listed in order of their patent number.

(vi) CERTIFICATION

This is the Commissioner's Certification after passing examination of a previously granted unexamined Innovation Patent.

In addition to the actions related to these stages, other actions reported include: assignments, lapsing or withdrawal of applications and ceasing or expiry of patents, voluntary amendments, extensions of time for certain actions and registration of licences.

How To Identify Information Using "INID" Numbers

Patents are published in many different countries and in many different languages. As a result, finding the information that you want (eg the filing date) on a patent document or in a journal can be quite difficult. There is an international system operating, which codifies this information in an unambiguous way, by assigning a specific number to each piece of information about the history of a patent. These numbers are called the **Internationally agreed Numbers for the Identification of Data** or INID numbers.

These numbers appear on all published patents and abstracts and are used throughout this journal to identify particular items of information. For example, the date on which a document is filed has the INID number (22), while the name of the applicant has the INID number of (71). These numbers are always expressed in parentheses and always immediately precede the information to which they relate. For example:

(22) 12.10.91

means that the filing date of the document which contains this reference is 12 October 1991. Learning the INID numbers for the information you want will help you find it quickly and easily. A complete list of the INID numbers and the items to which they relate is provided at the end of this Guide.

How Australian Patent Documents are Numbered

When searching information or ordering documents it is vital that you understand the numbering system.

Document Numbering in the **Australian Official Journal of Patents from 10th March 2018** All

patents, patent applications and provisional applications are assigned a "10" digit number.

- The first 4 digits identify the year of filing; and
- The fifth digit identifies the type of patent. Numerals; "0", "2", or "3" are allocated to standard complete applications and patents (including petty patents); "1" is allocated to innovation applications and patents; and "9" is allocated to provisional applications.

See Examples:

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

NOTE: Please refer to previous journal publications for numbering formats used prior to 10th March 2018.

Different prefixes will be associated to the application/patent at different stages of its life. This prefix indicates whether the application has been accepted.

A document corresponding to an unaccepted application has the prefix, AU-A; eg AU-A-2002200234. A document corresponding to an accepted application carries the prefix AU-B; eg AU-B-2002200234.

Users need to be aware that an accepted document may differ from the corresponding unaccepted document. This is because amendment may occur between first publication (OPI) and second publication (acceptance).

<p>NOTE: When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.</p>
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Arrangement of Information in the Journal

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

The Journal lists the information published in that category in an alphabetical Name Index list based on the name of the applicant. These indices are useful if you wish to find information about applications made by a particular applicant.

In addition to the Name Index there is provided, for each of these categories, a Numerical Index This index lists the applications either in order of their Application Numbers, in the case of complete applications filed and applications OPI, or in order of their Document Number in the case of accepted applications. It provides, for each number, the name of the applicant. These indices are useful if you wish to track the progress of a particular patent application.

There are also IPC Indices provided for applications which are OPI and for applications which have been accepted. IPC stands for International Patent Classification. Each IPC "mark" is an alpha-numerical representation of a particular area of technology. These indices are in order of IPC mark, and within each mark provide either the application numbers of the application which are now OPI or the numbers of the cases now accepted. These indices are useful if you wish to check on patent activity in a particular technology.

Using the Indices To Find Patent Information if You Know the Name of the Applicant.

Use the Name Indices. They will give you the following information identified by their INID number:

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
A) Provisional applications filed - Name Index		B) Complete application filed - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The Provisional application <u>number</u>	(21)	The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)	The <u>date</u> of filing	(22)
The <u>title</u> of the invention	(54)	<u>Title</u> of the invention	(54)
		<u>Number</u> of priority document(s) if any	(31)
		<u>Date(s)</u> of filing of priority documents	(32)
		<u>Country</u> of which priority documents filed	(33)
		PCT application <u>number</u>	(86)

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
C) Applications open to public inspection Name Index		D) Applications accepted - Name Index	
The <u>name</u> of the applicant	(71)	The <u>name</u> of the applicant	(71)
The <u>number</u> of the document	(11)	The <u>number</u> of the document	(11)
The <u>number</u> assigned to the application	(21)	The <u>number</u> of the accepted document	(10)
The <u>date</u> of filing	(22)	The <u>number</u> assigned to the application	(21)
The <u>title</u>	(54)	The <u>date</u> of filing	(22)
The <u>classification marks</u>	(51)	The <u>title</u>	(54)
Priority document <u>number(s)</u>	(31)	The <u>classification marks</u>	(51)
<u>Date</u> of filing of priority document(s)	(32)	PCT publication <u>number</u>	(87)
<u>Country</u> in which priority document filed	(33)	Priority document <u>number</u>	(31)
Publication <u>date</u> of unexamined document	(43)	<u>Date</u> of filing of priority document(s)	(32)
Inventors names if known	(72)	<u>Country</u> in which priority document filed	(33)
<u>Patent Attorneys</u>	(74)	Publication <u>date</u> of unexamined document	(43)

<u>ITEM</u>	<u>INID</u> <u>No.</u>
E) Patents Certified – Name Index	
The <u>name</u> of the applicant	(71)
The <u>number</u> of the accepted document	(10)
The <u>number</u> assigned to the application	(21)
The <u>date</u> of filing	(22)
The <u>title</u>	(54)
The <u>classification marks</u>	(51)
Priority document <u>number</u>	(31)
<u>Date</u> of filing of priority document(s)	(32)
<u>Country</u> in which priority document filed	(33)
Publication <u>date</u> of granted patent	(45)
<u>Inventors names</u>	(72)
<u>Patent Attorneys</u>	(74)
Related by division	(62)

You will notice at each stage of following application through that all applications are in alphabetical order of **Applicant**, not inventor.

1. To Find Information About a Patent Application if You Know its Number.

Use the appropriate numerical index. This will give you the name of the applicant from the number. You will then need to use the appropriate Name Index as above to find out other information about the Patent Application you are interested in.

The following Numerical Indices are available:

- A) **Provisional** Applications filed.
- B) **Complete** Applications filed.
- C) Innovation Applications filed.
- D) Applications **Open to Public Inspection**.
- E) Applications **Accepted**.
- F) Innovation Patent Certified

3. To Find Information About Patent Documents in the Area of Technology in which You are Interested if You Know the International Patent Classification Mark for that Area.

All patent applications are classified according to their subject matter using the International Patent Classification (IPC). Although the system is very detailed and covers all technologies, knowledge of the IPC marks of the technologies you are interested in will allow you to find patent documents in these technologies quite easily. To identify the IPC marks of technologies you are interested in, you can inspect relevant documentation in any of AIPO's state offices.

The indices to use are

- A) Applications **OPI** - IPC Index
- B) Applications **accepted** - IPC Index.

These indices give you the numbers of the applications which are either OPI or Accepted and are listed in order of their IPC marks.

Once you have the numbers of the documents that interest you, consult the relevant Number Index (see 2. above) to find the applicant's name, and then the Name Index (see 1. above) to find out the details of that application.

'INID' NUMBERS in use on Australian Patent Documents

'INID' is an acronym for 'Internationally agreed Numbers for the Identification of Data'.

(10) Document identification

- (11) Number of the document
- (12) Plain language designation of the kind of document
- (19) WIPO country code, or other identification, of the country publishing the document.

(20) Document filing data

- (21) Number(s) assigned to the application(s).
- (22) Date(s) of filing application(s)
- (23) Other date(s) of filing, including exhibition filing date and date of filing complete specification following provisional specification.
- (24) Date from which industrial property rights may have effect.

(30) Priority data

- (31) Number(s) assigned to priority application(s)
- (32) Date(s) of filing priority application(s)
- (33) Country (countries) in which the priority application(s) was (were) filed.

(40) Date(s) of making available to the public

- (43) Date of publication by printing or similar process of an unexamined document, on which no grant has taken place on or before the said date.

(43) Date of publication by printing or similar process of an examined document, on which no grant has taken place on or before the said date.

(44) Date of publication by printing or similar process of a document, on which grant, or certification has taken place on or before the said date.

(50) Technical Information

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

(56) List of prior art documents, if separate from descriptive text

(57) Abstract or claim

(60) Reference(s) to other legally related domestic document(s)

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

(70) Identification of parties concerned with the document

(71) Name(s) of applicant(s)

(72) Name(s) of inventor(s) if known to be such

(74) Name(s) of attorney(s) or agent(s)

(75) Name(s) of inventor(s) who is (are) also applicant(s)

(80) Identification of data related to International Conventions other than the Paris Convention

(86) PCT Application Number

(87) PCT Publication Number

NOTE

(1) Australian patent documents published on or after 26 October 1978 should be referred to by the application number preceded by the prefix AU-A or AU-B.

AU-A = Pre-examination

AU-B = Post-examination

(2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)₂, (51)₃, (51)₄ and (51)₅.

(3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

(4) There is a gap in volume numbering of the Australian Official Journal of Patents. The volumes are:

- 1987-2022 Volume 1 - 36
- 2023 - Volume 57 -

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 21 December 2023

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

RYW Holdings Pty Ltd [2023] APO 62

Patent Application: 2019284145

Title: Waste management and processing system

Patent Applicant: RYW Holdings Pty Ltd

Delegate: Dr V. Z. Kolev

Decision Date: 8 December 2023

Hearing Date: Written submissions filed on 24 November 2022

Catchwords: **PATENTS** – sections 45 and 49 – examiner’s objection – inventive step – waste management – compostable and non-compostable waste streams – waste sorting and decontamination before compaction – collecting data during waste decontamination – tracking waste source – generation of biological compost from compostable waste – curing in stackable aeration crates – the claimed invention does not involve an inventive step – application refused

Representation: Patent attorney for the applicant: Wallington-Dummer

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS 21 December 2023

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Ingredion Incorporated v Tate & Lyle Solutions USA LLC and Tate & Lyle Technology Limited [2023]
APO 63

Patent Application: 2016225278

Title: Allulose syrups

Patent Applicant: Tate & Lyle Technology Limited and Tate & Lyle Solutions USA LCC

Opponent: Ingredion Incorporated

Delegate: K. Wagg

Decision Date: 11 December 2023

Hearing Date: 31 March 2023

Catchwords: **PATENTS** – All grounds of opposition fail—
—costs awarded against the Opponent—Reg 5.23 material has not been
consulted—inventive step—common general knowledge—inventive step
not made out—costs awarded against the Opponent.

Representation: Counsel for the Applicant: Clare Cunliffe
Patent attorney for the Applicant: Corrine Porter and Marcus Caulfield of
FB Rice

Counsel for the Opponent: Phoebe Arcus
Patent attorney for the Opponent: Michael Zammit of Spruson &
Ferguson
Lawyer for the Opponent: Duncan Longstaff of Spruson & Ferguson

Proceedings under the Patents Act 1990

Provisional Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 5 Dec 2023 .

(71) 2 DRBH Pty Limited (21) 2023904025 (22) 12.12.2023 (54) FLUID OR AEROSOL DISPENSING DEVICE	(71) Baska, K.; Baska, M. (21) 2023903959 (22) 07.12.2023 (54) IMPROVEMENTS IN ENDOSCOPIC BITE BLOCKS	(71) Cole, W. (21) 2023904023 (22) 12.12.2023 (54) SAFETY SYSTEM
(71) 2 DRBH Pty Limited (21) 2023904026 (22) 12.12.2023 (54) FLUID OR AEROSOL DISPENSING DEVICE	(71) BECAUSEICAN PTY LIMITED (21) 2023902518 (22) 09.08.2023 (54) STRONG BOX	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2023903960 (22) 07.12.2023 (54) PROTEINACEOUS MOLECULES AND USES THEREFOR
(71) Ambetex Pty Ltd (21) 2023903958 (22) 07.12.2023 (54) Therapeutic compositions and methods for prevention and treatment of diastolic dysfunction.	(71) Bend-tech Investments 1 Pty Ltd (21) 2023903984 (22) 08.12.2023 (54) Stillage	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2023903972 (22) 08.12.2023 (54) Methods and systems for detecting Mycoplasma bovis infection
(71) AUSTRALIAN MITIGATION ENGINEERING DEVELOPMENTS PTY LTD (21) 2023903968 (22) 07.12.2023 (54) AIR FILTER ASSEMBLY & AIR FILTER	(71) BENISU PTY LTD (21) 2023904015 (22) 12.12.2023 (54) INJURY AID FOR A PART OF A BODY	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2023903985 (22) 08.12.2023 (54) Predicting cognitive decline
Bakalar, K. see Davies, I. (21) 2023904028	(71) BLESEN PTY LTD (21) 2023904004 (22) 11.12.2023 (54) RADAR-BASED MONITORING SYSTEM FOR FALL DETECTION AND MOVEMENT ANALYSIS	(71) Crago, D. (21) 2023904009 (22) 11.12.2023 (54) A multi adjustable wedge that secures a retaining wall sleeper in a steel beam.
(71) Barbell Mate Pty Ltd (21) 2023903994 (22) 10.12.2023 (54) Reflectorless LIDAR-Based Timing Gate System	(71) Bramham, S. (21) 2023903995 (22) 10.12.2023 (54) A device that makes a manual wheelchair into a downstairs escape carriage.	(71) Culley, T. (21) 2023904000 (22) 11.12.2023 (54) Switch & Lock Assembly
(71) Bartlett Transport Improvements Pty. Ltd. (21) 2023903998 (22) 11.12.2023 (54) Improvements relating to tensile restraints	(71) Breville Pty Limited (21) 2023904019 (22) 12.12.2023 (54) A food processor appliance	(71) Cytomatrix Limited (21) 2023904032 (22) 13.12.2023 (54) A composition for the delivery of biologically active agents and uses thereof
Baska, M. see Baska, K. (21) 2023903959	(71) Bye, E. (21) 2023903980 (22) 08.12.2023 (54) Jumping cars	(71) Dabcevic, E. (21) 2023903997 (22) 11.12.2023 (54) A device for carrying an article
	(71) Children's Cancer Institute Australia; NEWSOUTH INNOVATIONS PTY LIMITED (21) 2023903109 (22) 27.09.2023 (54) Anticancer compounds	(71) Davies, I.; Bakalar, K. (21) 2023904028 (22) 12.12.2023 (54) BEVERAGE CONTAINER

Provisional Applications Filed - Name Index cont'd

(71) Delta Panels Pty Ltd
(21) 2023903983 (22) 08.12.2023
(54) METHOD OF MANUFACTURE

(71) DPS Construction PTY LTD
(21) 2023903986 (22) 08.12.2023
(54) COMMUNICATIONS SYSTEM AND METHOD

(71) Element Zero Pty Ltd
(21) 2023903979 (22) 08.12.2023
(54) ELECTROWINNING FROM MOLTEN SALT

(71) ELM Equipment Pty Ltd
(21) 2023904013 (22) 11.12.2023
(54) LOCKING APPARATUS FOR FLARE FITTING

(71) EnquoDB Holdings Pty Ltd
(21) 2023904020 (22) 12.12.2023
(54) SYSTEM AND METHOD FOR DETERMINING SUBSTRING INCLUSION IN ENCRYPTED TEXT

(71) Fortescue Metals Group Ltd
(21) 2023903963 (22) 07.12.2023
(54) System and method for assigning electric machines

(71) Fortescue Metals Group Ltd
(21) 2023903977 (22) 08.12.2023
(54) Mining system

(71) Fortescue Metals Group Ltd
(21) 2023904027 (22) 12.12.2023
(54) Magnetite mining method

(71) Full Spectrum Biologics Pty Ltd
(21) 2023904005 (22) 11.12.2023
(54) A VESICULAR SYSTEM AND A METHOD OF USE OF SAME

(71) FWS AUS Pty Ltd
(21) 2023903672 (22) 15.11.2023
(54) A PIPE CUTTING ASSEMBLY AND METHOD OF USE THEREOF

(71) Goldmont Engineering Pty Ltd
(21) 2023903950 (22) 06.12.2023
(54) System and Method for Removal and Replacement of Raise Bore Reamer

(71) Harvest Technology Pty Ltd
(21) 2023904030 (22) 12.12.2023
(54) SYSTEMS, METHODS, AND STORAGE MEDIA FOR MANAGING VIDEO AND AUDIO STREAMING DEVICES

(71) Hendry, C.
(21) 2023903991 (22) 10.12.2023
(54) Energy machine

(71) Highgate Industries Wholesale Pty Ltd
(21) 2023904031 (22) 13.12.2023
(54) Air conditioning service trailer

(71) Hydric Desalination Pty Ltd
(21) 2023904021 (22) 12.12.2023
(54) Enhanced ion exchange process

(71) Innovate Surgical Pty Ltd
(21) 2023903988 (22) 08.12.2023
(54) BONE FIXATION DEVICE

(71) Innovation Solutions Pty Ltd
(21) 2023903981 (22) 08.12.2023
(54) Drilling sub

(71) Iodice, M.
(21) 2023903970 (22) 07.12.2023
(54) Ildi, A finger sock, socket ratcheting screwdriver, ratchet

(71) iX Biopharma Limited
(21) 2023903976 (22) 08.12.2023
(54) Compositions and methods for initiating a mucosal immune response

(71) Jam Packed Enterprises Pty Ltd
(21) 2023903962 (22) 07.12.2023
(54) Food Storage Container and Cooling Blocks

(71) LBC Enterprises Pty Ltd
(21) 2023903961 (22) 07.12.2023
(54) METHOD FOR FACILITATING VIRTUAL GAMBLING EVENT ON WEARABLE DISPLAY DEVICE AND RELATED METHODS

(71) Lee, D.
(21) 2023903978 (22) 08.12.2023
(54) SYSTEM AND METHOD FOR REDUCING IRRELEVANT ADVERTISING MATERIAL IN AN ONLINE ENVIRONMENT

(71) Lowe Farms Pty Ltd
(21) 2023903969 (22) 07.12.2023
(54) APPARATUS AND METHOD FOR APPLYING A LIQUID CHEMICAL

(71) Lowe Farms Pty Ltd
(21) 2023904017 (22) 12.12.2023
(54) APPARATUS AND METHOD FOR APPLYING A LIQUID CHEMICAL

(71) Macfarlane Burnet Institute for Medical Research and Public Health Limited
(21) 2023903973 (22) 08.12.2023
(54) Binding proteins and methods and uses thereof

(71) Magnetodynamic Speakers Pty Ltd
(21) 2023904007 (22) 11.12.2023
(54) Improved Loudspeaker Driver

(71) Martin, S.
(21) 2023904010 (22) 11.12.2023
(54) FIGURINE BASE

(71) Martin, S.
(21) 2023904012 (22) 11.12.2023
(54) Object Management System and Methods

(71) McCord, T.
(21) 2023904014 (22) 11.12.2023
(54) Quick Sport Drinkbottle Filler

(71) Mercotech Pty Ltd
(21) 2023903756 (22) 22.11.2023
(54) METHODS AND PRODUCTS FOR APPLYING BRANDING TO A MEAT PRODUCT

(71) Michael Bruvel
(21) 2023904016 (22) 12.12.2023
(54) An apparatus and system for cooling swimming pools and other enclosed water bodies

(71) MINETOMETAL PTY LTD
(21) 2023903989 (22) 08.12.2023
(54) Recovering Metal Values from Arsenic Containing Feed Materials

(71) MINETOMETAL PTY LTD
(21) 2023903990 (22) 08.12.2023
(54) Producing Zinc Oxide from Zinc Concentrates

(71) MK Hawker Investments Pty Ltd
(21) 2023904003 (22) 11.12.2023
(54) Apparatus and method of removing flesh from poultry

(71) Muddie's Holdings Pty Ltd
(21) 2023904002 (22) 11.12.2023
(54) Crushing ring and method of manufacture

Provisional Applications Filed - Name Index cont'd

(71) NewSouth Innovations Pty Limited
(21) 2023903974 (22) 08.12.2023
(54) Hydrogen combustion catalyst, process and device

NEWSOUTH INNOVATIONS PTY LIMITED
see Children's Cancer Institute Australia
(21) 2023903109

(71) Palmaya Pty Ltd
(21) 2023904011 (22) 11.12.2023
(54) Method of Treating Depression and Compositions Thereof

(71) Powa Corporation Pty Ltd
(21) 2023903108 (22) 27.09.2023
(54) Mat for a Kettle

(71) Psylo Pty Ltd
(21) 2023903954 (22) 06.12.2023
(54) Compounds

(71) PURCELL, R.
(21) 2023903316 (22) 18.10.2023
(54) NOVEL CANCER THERAPY

(71) RehabExo Pty Ltd
(21) 2023904022 (22) 12.12.2023
(54) AN ORTHOTIC ASSISTING DEVICE FOR HAND MANIPULATION

(71) REHABSWIFT PTY LTD
(21) 2023903987 (22) 08.12.2023
(54) REHABILITATION METHODS AND SYSTEMS FOR UPPER AND LOWER LIMBS

(71) ResMed Pty Ltd
(21) 2023903314 (22) 18.10.2023
(54) PATIENT INTERFACE

(71) Royal Melbourne Institute of Technology
(21) 2023904008 (22) 11.12.2023
(54) Diagnostic aptamer

(71) Saluda Medical Pty Ltd
(21) 2023903982 (22) 08.12.2023
(54) Neuromodulation systems and methods for pain management

(71) Schrale, L.
(21) 2023903964 (22) 07.12.2023
(54) ReTreat Pod

(71) Semcom Visual Communication Pty Ltd
(21) 2023904001 (22) 11.12.2023
(54) A reusable plastic display stand

(71) Shiels, G.; Thompson, M.
(21) 2023904018 (22) 12.12.2023
(54) Greywater recovery system

(71) Shipping Container Stands - Australia Pty Ltd
(21) 2023904006 (22) 11.12.2023
(54) Improvements in or in relation to stands

(71) Taktikos, S.
(21) 2023903996 (22) 10.12.2023
(54) Two piece male and female components into one male automotive floating clip

(71) Technological Resources Pty. Limited
(21) 2023903953 (22) 06.12.2023
(54) LITHIUM ORE CALCINATION

(71) The University of Adelaide
(21) 2023904029 (22) 12.12.2023
(54) COMPOSITE ORGANIC ELECTRODE MATERIALS, ORGANIC ELECTRO-CHEMICAL DEVICES AND PREPARATION METHODS THEREOF

(71) The University of Queensland
(21) 2023903965 (22) 07.12.2023
(54) A copper containing composition for additive manufacturing

(71) The University of Queensland
(21) 2023903967 (22) 07.12.2023
(54) POLYMER MATERIALS FOR REDUCING LIPOPROTEIN CONTENT

(71) The University of Sydney
(21) 2023903966 (22) 07.12.2023
(54) A device for aerosol tracking and characterisation

(71) The University of Sydney
(21) 2023903999 (22) 11.12.2023
(54) Use of (S)-N-(2-chloro-3-(trifluoromethyl)benzyl)-1-methyl-5-oxopyrrolidine-2-carboxamide in the treatment of cardiovascular diseases

(71) The University of Sydney
(21) 2023904024 (22) 12.12.2023
(54) Use of selected (1,4,6,7-tetrahydro-5H-[1,2,3]triazolo[4,5-c]pyridin-5-yl)methanone compounds in the treatment of cardiovascular diseases

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(21) 2023904018

(71) WEIR SLURRY GROUP, INC
(21) 2023903975 (22) 08.12.2023
(54) A FRONT SIDE LINER FOR A CENTRIFUGAL SLURRY PUMP

(71) Worboys, A.
(21) 2023903992 (22) 10.12.2023
(54) Weighted Wheelie Bin Lid

(71) Worboys, A.
(21) 2023903993 (22) 10.12.2023
(54) Weighted Wheelie Bin Lid (Bin Guard)

(71) ZHENG, V.
(21) 2023904033 (22) 13.12.2023
(54) Underground mining paint applicator

(71) Zydex Pty Ltd
(21) 2023903971 (22) 08.12.2023
(54) AN APPARATUS FOR MAKING A STEREOGRAPHIC OBJECT, A METHOD FOR MAKING A STEREOGRAPHIC OBJECT, AND A STEREOGRAPHIC OBJECT

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2023903959	Baska, K.; Baska, M.	2023904021	Hydric Desalination Pty Ltd
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2023903998	Bartlett Transport Improvements Pty. Ltd.		
2023903999	The University of Sydney		
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2023904006	Shipping Container Stands - Australia Pty Ltd		
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Applications listed below were processed through the Patent Office Canberra during the period ending 5 Dec 2023 .

- . (*) Title not in Roman characters
- . (**) Title not given

<hr/> <p>(71) Abiomed Europe GmbH (21) 2023282202 (22) 12.12.2023 (54) Intravascular blood pump with balloon</p> <hr/> <p>(71) Aclarion, Inc.; The Regents of the University of California (21) 2023282173 (22) 11.12.2023 (54) MR SPECTROSCOPY SYSTEM AND METHOD FOR DIAGNOSING PAINFUL AND NON-PAINFUL INTERVERTEBRAL DISCS</p> <hr/> <p>(71) Adicet Therapeutics, Inc. (21) 2023278051 (22) 06.12.2023 (54) Methods for selective expansion of $\gamma\delta$ T-cell populations and compositions thereof</p> <hr/> <p>(71) Adobe Inc. (21) 2023278102 (22) 08.12.2023 (54) IMAGE LIGHTING TRANSFER</p> <hr/> <p>(71) Adobe Inc. (21) 2023282192 (22) 12.12.2023 (54) GENERATING VIRTUAL OBJECTS FROM EMBEDDED CODE</p> <hr/> <p>(71) Adobe Inc. (21) 2023282216 (22) 13.12.2023 (54) REGION DETECTION FOR INTER-TWINING OF VECTOR OBJECTS</p> <hr/> <p>(71) Aerbetic, Inc. (21) 2023282225 (22) 13.12.2023 (54) NON-INVASIVE MONITORING SYSTEM</p> <hr/> <p>(71) AFINITI, LTD. (21) 2023278103 (22) 08.12.2023 (54) Techniques for benchmarking performance in a contact center system</p> <hr/> <p>(71) Amgen Inc. (21) 2023278067 (22) 07.12.2023 (54) ASGR inhibitors</p> <hr/> <p>(71) Amgen Inc. (21) 2023282182 (22) 11.12.2023 (54) Method of treating or ameliorating metabolic disorders using antagonist-</p>	<p>ic binding proteins for gastric inhibitory peptide receptor (GIPR)/GLP-1 receptor agonist fusion proteins</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023282210 (22) 13.12.2023 (54) CARD READING DEVICE AND TABLETOP GAME SYSTEM</p> <hr/> <p>(71) Apnea Sciences Corporation (21) 2023278081 (22) 07.12.2023 (54) Multi-directional jaw displacement oral appliance</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023278084 (22) 07.12.2023 (54) A METHOD OF GAMING, A GAME CONTROLLER AND A GAMING SYSTEM</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023278091 (22) 08.12.2023 (54) A METHOD OF GAMING, A GAME CONTROLLER AND A GAMING SYSTEM</p> <hr/> <p>(71) Artax BioPharma Inc. (21) 2023282201 (22) 12.12.2023 (54) Chromene derivatives as inhibitors of TCR-Nck interaction</p> <hr/> <p>(71) Assa Abloy AB (21) 2023278095 (22) 08.12.2023 (54) Reader coordination for access control</p> <hr/> <p>(71) ATI Properties LLC (21) 2023282167 (22) 11.12.2023 (54) Creep Resistant Titanium Alloys</p> <hr/> <p>(71) Avidity Biosciences, Inc. (21) 2023278129 (22) 11.12.2023 (54) Nucleic acid-polypeptide compositions and methods of inducing exon skipping</p> <hr/> <p>(71) BASF SE (21) 2023282198 (22) 12.12.2023 (54) Pesticidal mixtures comprising a pyrazole compound</p> <hr/>	<p>(71) Bayer HealthCare LLC (21) 2023282197 (22) 12.12.2023 (54) Combination of regorafenib and PD-1/PD-L1(2) inhibitors for treating cancer</p> <hr/> <p>(71) Becton, Dickinson and Company (21) 2023282227 (22) 13.12.2023 (54) Liquid dispenser with manifold mount for modular independently-actuated pipette channels</p> <hr/> <p>(71) BIOKNOWME PTY LTD (21) 2023282220 (22) 13.12.2023 (54) SYSTEM AND METHOD FOR PATHOLOGY SPECIMEN COLLECTION</p> <hr/> <p>(71) BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz (21) 2023278107 (22) 08.12.2023 (54) 3' UTR sequences for stabilization of RNA</p> <hr/> <p>(71) Blaesi, A. (21) 2023282165 (22) 11.12.2023 (54) FIBROUS DOSAGE FORM</p> <hr/> <p>(71) BlueScope Steel Limited (21) 2023282196 (22) 12.12.2023 (54) Metal-coated steel strip</p> <hr/> <p>(71) BPW Bergische Achsen KG (21) 2023282199 (22) 12.12.2023 (54) DISC BRAKE, BRAKE CALIPER OF A DISC BRAKE, AS WELL AS HOLD-DOWN PIECE AND LEAF SPRING FOR SECURING THE BRAKE LININGS OF A DISC BRAKE</p> <hr/> <p>(71) Bright Clinical Research Limited (21) 2023278032 (22) 06.12.2023 (54) A radar system for dynamically monitoring and guiding ongoing clinical trials</p> <hr/> <p>(71) Brilliant Light Power, Inc. (21) 2023282169 (22) 11.12.2023 (54) Power generation systems and methods regarding same</p> <hr/>
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<hr/> <p>(71) Dispensing Technologies B.V. (21) 2023282206 (22) 12.12.2023 (54) Device, System And Method For Dispensing A Liquid From A Container</p>	<hr/> <p>(71) Fisher & Paykel Healthcare Limited (21) 2023278090 (22) 08.12.2023 (54) MEDICAL TUBES AND METHODS OF MANUFACTURE</p>	<hr/> <p>(71) GREEN GRID INC. (21) 2023278096 (22) 08.12.2023 (54) METHOD AND SYSTEM FOR UTILITY POWER LINES VEGETATION PROXIMITY MONITORING AND CONTROLLING</p>
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(71) Greenworks (Jiangsu) Co., Ltd
(21) 2023282200 (22) 12.12.2023
(54) GARDEN TOOL AND METHOD FOR CONTROL GARDEN TOOL

(71) Griddy Holdings LLC
(21) 2023278132 (22) 11.12.2023
(54) METHODS AND SYSTEMS FOR AN AUTOMATED UTILITY MARKET-PLACE PLATFORM

(71) HaGePe International B.V.; Cenergist Limited
(21) 2023266289 (22) 15.11.2023
(54) Pressure valve for a liquid

(71) Hainan Kubo Hardware Products Co.,Ltd.
(21) 2023278072 (22) 07.12.2023
(54) NOVEL TWO-STAGE FORCE HINGE

(71) HandyLab, Inc.
(21) 2023282224 (22) 13.12.2023
(54) Polynucleotide capture materials, and methods of using same

(71) Heraeus Medical GmbH
(21) 2023282213 (22) 13.12.2023
(54) DEVICE FOR MIXING BONE CEMENT

(71) Hiab AB
(21) 2023278030 (22) 06.12.2023
(54) Controller and method

(71) Huawei Technologies Co., Ltd.
(21) 2023278073 (22) 07.12.2023
(54) AN IMAGE PROCESSING DEVICE AND METHOD FOR PERFORMING EFFICIENT DEBLOCKING

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(21) 2023282179

(71) Imbria Pharmaceuticals, Inc.
(21) 2023281715 (22) 11.12.2023
(54) Compositions and methods for increasing efficiency of cardiac metabolism

(71) INGURAN, LLC
(21) 2023278127 (22) 11.12.2023
(54) LIGHT COLLECTION FROM OBJECTS WITHIN A FLUID COLUMN

(71) Inner Mongolia Electric Power Research Institute Branch of Inner Mongolia Electric Power (Group) Co., Ltd.
(21) 2023282177 (22) 11.12.2023

(54) POWER LIMIT CONTROL METHOD AND SYSTEM OF A WIND TURBINE

(71) Inner Mongolia Electric Power Research Institute Branch of Inner Mongolia Electric Power (Group) Co., Ltd.
(21) 2023282180 (22) 11.12.2023
(54) POWER CONTROL METHOD AND SYSTEM FOR MULTIPLE PARALLEL INVERTERS IN A NEW ENERGY MICROGRID

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(21) 2023282219

(71) Interel Pte Ltd
(21) 2023282193 (22) 12.12.2023
(54) Control system for the control of accesses in a room

(71) Itron, Inc.
(21) 2023282174 (22) 11.12.2023
(54) Obtaining secure time over a heterogeneous network

(71) Itron, Inc.
(21) 2023282175 (22) 11.12.2023
(54) Electricity meter and system hardened against attack vectors

(71) Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd
(21) 2023278061 (22) 07.12.2023
(54) Method for preparing benzofuran derivative

(71) Jinan Fruit Research Institute, All China Federation of Supply and Marketing Cooperatives
(21) 2023278058 (22) 06.12.2023
(54) ZERO DISCHARGE PROCESS FOR GARLIC RINSING WASTEWATER

(71) Kidde Technologies Inc.
(21) 2023278094 (22) 08.12.2023
(54) Battery fire suppression system

(71) Kidde Technologies Inc.
(21) 2023278097 (22) 08.12.2023
(54) Ducted gas detector

(71) Kidde Technologies Inc.
(21) 2023278098 (22) 08.12.2023
(54) Lithium ion battery gas and optical detector

(71) Kidde Technologies Inc.
(21) 2023278099 (22) 08.12.2023

(54) Battery outgassing detector

(71) Kidde Technologies Inc.
(21) 2023278118 (22) 08.12.2023
(54) Emergency fire suppression system

(71) Knappco Corporation
(21) 2023282207 (22) 13.12.2023
(54) Optical fluid sensors for cross contamination control systems

(71) Kodak Alaris Inc.
(21) 2023278040 (22) 06.12.2023
(54) Multi-user retail photo product creation system and method of use

(71) Kontak LLC
(21) 2023278038 (22) 06.12.2023
(54) Inductively heated microchannel reactor

(71) L3Harris Technologies, Inc.
(21) 2023282223 (22) 13.12.2023
(54) SYSTEM AND METHOD OF DETERMINING INTERFERING SIGNAL PARAMETERS

(71) Lam, T.T.
(21) 2023282209 (22) 13.12.2023
(54) METHODS OF AUTOMATIC ROPE RETRACTING MECHANISM

(71) LanzaTech, Inc.
(21) 2023282186 (22) 12.12.2023
(54) SECONDARY ACETATE FERMENTATION

(71) Lexmark International, Inc.
(21) 2023278120 (22) 08.12.2023
(54) Chip and supply item for imaging device, including communication

(71) LG Electronics Inc.
(21) 2023278044 (22) 06.12.2023
(54) Dryer

(71) LG Electronics Inc.
(21) 2023278088 (22) 07.12.2023
(54) HOME APPLIANCE PROVIDED WITH VIEWING WINDOW

(71) Louver-Lite Limited
(21) 2023282171 (22) 11.12.2023
(54) Roller Tube

(71) Lynx System Developers, Inc.
(21) 2023282215 (22) 13.12.2023
(54) SYSTEMS AND METHODS FOR PROCESSING EVENT TIMING IMAGES

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(71) Macdonald, J.
 (21) 2023278121 (22) 08.12.2023
 (54) A tethered, self steering wing that optimises marine biomass growth by raising and lowering using ocean currents.

(71) Manitou Italia S.r.l.
 (21) 2023278108 (22) 08.12.2023
 (54) Adjustable fork for heavy loads

(71) Manitou Italia S.r.l.
 (21) 2023278109 (22) 08.12.2023
 (54) Improved rotary telehandler

(71) MedicalTree Patent Ltd
 (21) 2023278085 (22) 07.12.2023
 (54) Infusion Of Drugs

(71) Morrish, R.
 (21) 2023278101 (22) 08.12.2023
 (54) ELECTRICAL CONNECTOR

(71) Multisteps Pty Ltd
 (21) 2023278111 (22) 08.12.2023
 (54) An Improved Produce Container

(71) Nanostring Technologies, Inc.
 (21) 2023278046 (22) 06.12.2023
 (54) Methods for detecting target nucleic acids in a sample

(71) NantG Mobile, LLC
 (21) 2023278056 (22) 06.12.2023
 (54) LOCATION-BASED CONTENT SHARING VIA TETHERING

(71) Navitor Pharmaceuticals, Inc.
 (21) 2023282205 (22) 12.12.2023
 (54) Modulators of Sestrin-GATOR2 interaction and uses thereof

(71) NBD Innovations Pty Ltd
 (21) 2023278086 (22) 07.12.2023
 (54) ITEM DISPLAY SYSTEM

(71) Nikon Corporation; Optos PLC
 (21) 2023278112 (22) 08.12.2023
 (54) Ophthalmic device and tomographic image generation device

(71) Novartis AG
 (21) 2023282211 (22) 13.12.2023
 (54) Method for navigating medical data

(71) Ojai Energetics PBC
 (21) 2023278131 (22) 11.12.2023

(54) METHODS AND COMPOSITIONS FOR REDUCING OXIDATIVE STRESS

(71) OMNISENS S.A.
 (21) 2023278093 (22) 08.12.2023
 (54) Addressing device, optical fiber associated with an addressing device, and system and method for addressing optical fibers

Optos PLC see Nikon Corporation
 (21) 2023278112

(71) Pathways 33 Pty Ltd
 (21) 2023278114 (22) 08.12.2023
 (54) Salt Therapy System

(71) Payne, J.
 (21) 2023278126 (22) 11.12.2023
 (54) Disposable diaper made with Lyocell (Tencel or otherwise) fibres and bioplastics to create a 100 percent plant based diaper.

(71) Perfect Day, Inc.
 (21) 2023278078 (22) 07.12.2023
 (54) Food compositions comprising recombinant milk proteins and methods of producing the same

(71) Perfect Day, Inc.
 (21) 2023278080 (22) 07.12.2023
 (54) Food compositions comprising recombinant milk proteins and methods of producing the same

(71) PerkinElmer Health Sciences, Inc.
 (21) 2023266294 (22) 15.11.2023
 (54) PURIFICATION OF NUCLEIC ACIDS IN A MICROFLUIDIC CHIP BY SEPARATION

(71) Platinum RP Pty Ltd
 (21) 2023278082 (22) 07.12.2023
 (54) AN IGNITION COIL DEVICE

(71) Portman Nominees Pty Ltd
 (21) 2023278071 (22) 07.12.2023
 (54) Brace

(71) Powercast Corporation
 (21) 2023278070 (22) 07.12.2023
 (54) METHODS, SYSTEMS, AND APPARATUS FOR AUTOMATIC RF POWER TRANSMISSION AND SINGLE ANTENNA ENERGY HARVESTING

(71) RANlytics Limited
 (21) 2023278041 (22) 06.12.2023

(54) A system for monitoring and measuring multiple heterogeneous radio communications networks

(71) Regeneron Pharmaceuticals, Inc.
 (21) 2023282218 (22) 13.12.2023
 (54) Systems and methods for leveraging relatedness in genomic data analysis

(71) Revell, A.
 (21) 2023278124 (22) 10.12.2023
 (54) Potwall Freestanding Vertical Garden System

(71) Richards, N.; Humphries, C.
 (21) 2023282179 (22) 11.12.2023
 (54) A CAP

(71) Rosemount Aerospace Inc.
 (21) 2023278092 (22) 08.12.2023
 (54) Method and system for pilot support

(71) Ruprecht-Karls-Universitat Heidelberg
 (21) 2023282166 (22) 11.12.2023
 (54) Measles Virus Encoding a Tumor Antigen

(71) Samsonite IP Holdings S.à r.l.
 (21) 2023278063 (22) 07.12.2023
 (54) LUGGAGE ARTICLE ATTACHMENT MEMBER

Shanghai Hengrui Pharmaceutical Co., Ltd see Jiangsu Hengrui Medicine Co., Ltd.
 (21) 2023278061

(71) Shell Shock Technologies LLC
 (21) 2023282183 (22) 11.12.2023
 (54) Fire Arm Cartridge and Method of Making

(71) Shenzhen Hithium Energy Storage Technology Co., Ltd.; Xiamen Hithium Energy Storage Technology Co., Ltd.
 (21) 2023278087 (22) 07.12.2023
 (54) Energy Storage Device And Electric Device

(71) Singh, R.
 (21) 2023278125 (22) 10.12.2023
 (54) Integrated Workplace Mental Health and Legal Psychosocial Risk Management System for Harm Prevention SaaS

(71) Snap-on Incorporated
 (21) 2023278052 (22) 06.12.2023
 (54) TOOL BROWNOUT MANAGEMENT

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(71) Snap-on Incorporated
(21) 2023278059 (22) 07.12.2023
(54) Wireless charging and powering of tools

(71) Snap-on Incorporated
(21) 2023278106 (22) 08.12.2023
(54) Vehicle health record

(71) Source Digital, Inc.
(21) 2023278105 (22) 08.12.2023
(54) MEDIA ENVIRONMENT DRIVEN CONTENT DISTRIBUTION PLATFORM

(71) Takeda Pharmaceutical Company Limited
(21) 2023278128 (22) 11.12.2023
(54) Plasma kallikrein binding proteins

(71) Techtronic Cordless GP
(21) 2023278045 (22) 06.12.2023
(54) Electric tool

(71) Techtronic Cordless GP
(21) 2023282204 (22) 12.12.2023
(54) Quick change collet

(71) The Boeing Company
(21) 2023282188 (22) 12.12.2023
(54) Electrostatic dissipative compositions and methods thereof

(71) The Children's Hospital of Philadelphia; The Government of The United States of America as represented by the Secretary of the Department of the Health and Human Services
(21) 2023278110 (22) 08.12.2023
(54) Glypican 2 as a cancer marker and therapeutic target

(71) The Coca-Cola Company
(21) 2023278060 (22) 07.12.2023
(54) Selecting and dispensing blended beverages from a post-mix beverage dispenser

(71) The General Hospital Corporation
(21) 2023278069 (22) 07.12.2023
(54) Chimeric antigen receptor T cells targeting the tumor microenvironment

(71) The General Hospital Corporation
(21) 2023278074 (22) 07.12.2023
(54) Engineered CRISPR-Cas9 nucleases with altered PAM specificity

The Government of The United States of America as represented by the Secretary of the Department of the Health and Hu-

man Services see The Children's Hospital of Philadelphia
(21) 2023278110

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(21) 2023282173

(71) The Regents of the University of California
(21) 2023282187 (22) 12.12.2023
(54) Compositions and methods for treating cancer

(71) The Regents of The University of California
(21) 2023282181 (22) 11.12.2023
(54) BIOMARKER CONCENTRATION AND SIGNAL AMPLIFICATION FOR USE IN PAPER-BASED IMMUNOASSAYS AND A SINGLE PLATFORM FOR EXTRACTING, CONCENTRATING, AND AMPLIFYING DNA

(71) The University of Birmingham
(21) 2023282212 (22) 13.12.2023
(54) Biomarkers of traumatic brain injury

(71) Tkachenko, A.
(21) 2023278122 (22) 09.12.2023
(54) Updraft tower power plant with flexible chimney that uses lifting force of kites.

(71) Topaz Trading Pty Ltd
(21) 2023258383 (22) 01.11.2023
(54) Threaded fastener pair, post anchor system and method of securing a post to a post anchor

(71) Torok, L.
(21) 2023282178 (22) 11.12.2023
(54) Automotive amphibian trailer assembly

(71) Tox Free Australia Pty Ltd
(21) 2023282208 (22) 13.12.2023
(54) Capture of mercury

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(21) 2023278107

(71) Ultivue, Inc.
(21) 2023278134 (22) 11.12.2023
(54) Improved methods for multiplex imaging using labeled nucleic acid imaging agents

(71) United States of America, as represented by the Secretary, Department of

Health and Human Services, C/O National Institute of Health, Office of Technology Transfer

(21) 2023282185 (22) 12.12.2023
(54) Methods of isolating T cell receptors having antigenic specificity for a cancer specific mutation

(71) University of Pittsburgh -of the Commonwealth System of Higher Education
(21) 2023282172 (22) 11.12.2023
(54) Dimerization strategies and compounds for molecular imaging and/or radioimmunotherapy

(71) Vawdrey Australia Pty. Ltd.
(21) 2023278119 (22) 08.12.2023
(54) Improvements Relating to Sliding Posts and/or Sliding Suspended Gates for Curtain Sided Trucks and Trailers

(71) Walton Mine Services Pty Ltd
(21) 2023278133 (22) 11.12.2023
(54) Spacer Device

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(21) 2023278087

(71) Yardistry US, LLC
(21) 2023282203 (22) 12.12.2023
(54) TUBE SLIDE HAVING A TELESCOPING BASE

(71) Zhejiang Aiko Solar Energy Technology Co., Ltd.
(21) 2023282191 (22) 12.12.2023
(54) DOPED REGION STRUCTURE AND SOLAR CELL COMPRISING THE SAME, CELL ASSEMBLY, AND PHOTOVOLTAIC SYSTEM

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(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

(71) AQUIRIAN TECHNOLOGY PTY LTD
(21) 2023100098 **(22)** 08.12.2023
(54) A METHOD AND APPARATUS FOR
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INTO A BLAST HOLE
(62) 2023100029

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Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

Reference to the application numbers must include the year of the application of the patent, which is shown preceding the numbers.

The codes next to each number have the following meanings:

Code	Meaning
1	Application Lapsed Section 142(2)(a)
3	Application Lapsed Section 142(2)(c)
4	Application Lapsed Section 142(2)(d)
5	Application Lapsed Section 142(2)(e)
6	Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)/Reg. 8.3(3)
7	Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
8	Application Lapsed Reg. 3.4(6)
9	Application Lapsed Section 142(3)
11	Application Lapsed Section 148(1)(c)
12	Application Withdrawn Section 141(1)
13	Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
14	Patent Ceased Section 143(a), or Expired
15	Patent Ceased Section 143(b)
16	Application Refused
17	Application Lapsed Reg. 22.2B(2)
18	Application Lapsed Reg. 3.2B(3),(5) or (6)
20	Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
21	Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
22	Patent Ceased Section 143A(d), or Expired
23	Patent Ceased Section 143A(e)
24	Application Lapsed Reg. 22.2E(2)
25	Application Lapsed Reg. 22.2I(2)
26	Application Lapsed Reg. 3.5AC(11)
27	Application Lapsed Reg. 3.5AF(2F)
28	Application Lapsed Reg. 22.15A(3)
A	Applications on which examination has not been requested or directed
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D	Applications which have been accepted or advertised accepted
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2018273438 (14)	2018274164 (4C)	2018274589 (4C)	2021102797 (22E)	2021102798 (22E)	2021102799 (22E)
2018274637 (4C)	2018276056 (4C)	2018277588 (4C)	2021102801 (22E)	2021102802 (22E)	2021102803 (22E)
2018278178 (4C)	2018278845 (5C)	2018279893 (14)	2021102804 (22E)	2021102805 (22E)	2021102807 (22E)
2018281935 (14)	2018281936 (4C)	2018282282 (1B)	2021102809 (22E)	2021102810 (22E)	2021102811 (22E)
2018300523 (4C)	2018308713 (14)	2018308956 (14)	2021102812 (22E)	2021102813 (22E)	2021102814 (22E)
2018374058 (5C)	2018454394 (1B)		2021102815 (22E)	2021102816 (22E)	2021102817 (22E)
			2021102818 (22E)	2021102819 (22E)	2021102820 (22E)
2019			2021102821 (22E)	2021102822 (22E)	2021102824 (22E)
2019100033 (22E)	2019100546 (22G)	2019100557 (22E)	2021102825 (22E)	2021102828 (22E)	2021102829 (22E)
2019100567 (22E)	2019100568 (22E)	2019101453 (22E)	2021102830 (22E)	2021102831 (22E)	2021102832 (22E)
2019200805 (14)	2019200824 (14)	2019201394 (12D)	2021102833 (22E)	2021102834 (22E)	2021102835 (22E)
2019202347 (14)	2019202569 (14)	2019202615 (14)	2021102836 (22E)	2021102837 (22E)	2021102838 (22E)
2019203356 (1B)	2019203598 (4A)	2019203603 (14)	2021102839 (22E)	2021102840 (22E)	2021102841 (22E)
2019203615 (4A)	2019203636 (4A)	2019203637 (4B)	2021102842 (22E)	2021102843 (22E)	2021102845 (22E)
2019203644 (14)	2019203652 (4A)	2019203698 (14)	2021102846 (22E)	2021102847 (22E)	2021102848 (22E)
2019203699 (14)	2019248644 (5C)	2019263941 (5C)	2021102849 (22E)	2021102850 (22E)	2021102851 (22E)
2019272379 (4C)	2019273038 (4C)	2019273665 (4C)	2021102852 (22E)	2021102854 (22E)	2021102856 (22E)
2019275116 (4C)	2019275954 (4C)	2019277011 (14)	2021102859 (22E)	2021102860 (22E)	2021102862 (22E)
2019277100 (14)	2019279863 (5C)	2019281775 (4C)	2021102864 (22E)	2021102870 (22E)	2021102871 (22E)
2019282438 (4C)	2019283868 (1B)	2019283903 (1B)	2021102872 (22E)	2021102873 (22E)	2021102874 (22E)
2019283911 (1B)	2019283927 (1B)	2019284098 (1B)	2021102875 (22E)	2021102878 (22E)	2021102879 (22E)
2019298306 (25D)	2019302559 (4B)	2019400274 (1B)	2021102880 (22E)	2021102881 (22E)	2021102882 (22E)
2019400867 (1B)	2019400930 (1B)	2019401163 (1B)	2021102883 (22E)	2021102885 (22E)	2021102889 (22E)
2019401416 (1B)	2019401427 (1B)	2019401438 (1B)	2021102890 (22E)	2021102891 (22E)	2021102892 (22E)
2019401536 (1B)	2019401588 (1B)	2019401653 (1B)	2021102893 (22E)	2021102897 (22E)	2021102898 (22E)
2019402006 (1B)	2019402034 (1B)	2019402149 (1B)	2021102899 (22E)	2021102900 (22E)	2021102903 (22E)
2019402179 (1B)	2019402773 (1B)	2019402900 (1B)	2021102904 (22E)	2021102905 (22E)	2021102906 (22E)
2019402980 (1B)	2019403013 (1B)	2019403024 (1B)	2021102907 (22E)	2021102908 (22E)	2021102909 (22E)
2019403134 (1B)	2019403220 (1B)	2019403255 (1B)	2021102910 (22E)	2021102911 (22E)	2021102912 (22E)
2019403263 (1B)	2019403279 (1B)	2019403313 (1B)	2021102913 (22E)	2021102914 (22E)	2021102915 (22E)
2019403379 (1B)	2019403383 (1B)	2019403402 (1B)	2021102916 (22E)	2021102917 (22E)	2021102918 (22E)
2019403407 (1B)	2019403889 (1B)	2019404015 (1B)	2021102919 (22E)	2021102920 (22E)	2021102921 (22E)
2019404022 (1B)	2019404028 (1B)	2019404070 (1B)			

2021102922 (22E) 2021102923 (22E) 2021102925 (22E)
 2021102926 (22E) 2021102927 (22E) 2021102929 (22E)
 2021102931 (22E) 2021102932 (22E) 2021102933 (22E)
 2021102934 (22E) 2021102935 (22E) 2021102936 (22E)
 2021102938 (22E) 2021102940 (22E) 2021102942 (22E)
 2021102943 (22E) 2021102944 (22E) 2021102945 (22E)
 2021102946 (22E) 2021102947 (22E) 2021102950 (22E)
 2021102953 (22E) 2021102954 (22E) 2021105106 (22E)
 2021200770 (5C) 2021202307 (14) 2021202995 (4C)
 2021203360 (5C) 2021203741 (5C) 2021203843 (4C)
 2021203894 (4C) 2021204033 (14) 2021204318 (4C)
 2021204336 (5C) 2021209332 (4C) 2021215263 (5C)
 2021232828 (5C) 2021232844 (5C) 2021236473 (5C)
 2021236495 (5C) 2021236515 (5C) 2021240163 (5C)
 2021245190 (5C) 2021250866 (4C) 2021250867 (5C)
 2021250872 (5C) 2021250898 (5C) 2021250908 (5C)
 2021254609 (4C) 2021258052 (5C) 2021258066 (5C)
 2021266275 (5C) 2021269336 (5C) 2021269353 (5C)
 2021273526 (5C) 2021273619 (5C) 2021273651 (5C)
 2021277746 (5C) 2021282994 (5C) 2021286357 (5C)
 2021290318 (4C)

2022

2022200654 (5C) 2022201479 (5C) 2022201515 (5C)
 2022201998 (4C) 2022202395 (4C) 20222903725 (12AN)
 20222903738 (12AN) 20222903786 (12AN) 20222903796 (12AN)
 20222903943 (12AN)

2023

2023201238 (4B) 2023229617 (1B) 2023233070 (1B)
 2023233157 (7AN) 2023233223 (7AN) 2023237073 (7AN)
 2023900254 (12AN)

Assignments before Grant, Section 113

2017

2017426131 Electrical Engineering Solutions Pty Limited The application has been assigned to **POE-X Pty Ltd**

2018

2018201693 Delta P Design, Inc The application has been assigned to **True Velocity IP Holdings, LLC**

2018205507 California Institute of Technology; Terrafranca, Nicholas The application has been assigned to **California Institute of Technology**

2018215090 Manna Nutritional Group LLC The application has been assigned to **AgriForce Growing Systems Ltd.**

2018319055 ROSEN Swiss AG The application has been assigned to **ROSEN IP AG**

2018344386 ROSEN Swiss AG The application has been assigned to **ROSEN IP AG**

2018394164 INSTITUT GUSTAVE ROUSSY The application has been assigned to **Institut National De La Sante Et De La Recherche Medicale; Universite Paris-Saclay; Centre Hospitalier Universitaire de Rennes; Universite de Rennes; INSTITUT GUSTAVE ROUSSY**

2019

2019312411 LEGEND BIOTECH USA INC. The application has been assigned to **LEGEND BIOTECH IRELAND LIMITED**

Assignments before Grant, Section 113

2019337759 LEGEND BIOTECH USA INC. The application has been assigned to **LEGEND BIOTECH IRELAND LIMITED**

2019340333 LEGEND BIOTECH USA INC. The application has been assigned to **LEGEND BIOTECH IRELAND LIMITED**

2019403368 Aegis Therapeutics, LLC; Opiant Pharmaceuticals, Inc. The application has been assigned to **Indivior UK Limited; Aegis Therapeutics, LLC**

2019462785 EGI Tech (Shen Zhen) Co., Limited The application has been assigned to **Qingdao MGI Tech Co. Ltd**

2020

2020271967 ROSEN Swiss AG The application has been assigned to **ROSEN IP AG**

2020272117 ROSEN Swiss AG The application has been assigned to **ROSEN IP AG**

2020274569 LEGEND BIOTECH USA INC. The application has been assigned to **LEGEND BIOTECH IRELAND LIMITED**

2020294400 Joint Stock Company Krasnoyarsk Hydropower Plant (JSC Krasnoyarsk HPP) The application has been assigned to **EUROSIBENERGO JSC**

2020314509 Legend Biotech USA Inc. The application has been assigned to **Legend Biotech Ireland Limited**

2020332881 Terlok Limited The application has been assigned to **Blitz Systems Pty Ltd**

2020336791 LEGEND BIOTECH USA INC. The application has been assigned to **LEGEND BIOTECH IRELAND LIMITED**

2020350760 Calyxt, Inc. The application has been assigned to **Cibus Europe B.V.**

2020404272 Legend Biotech USA Inc. The application has been assigned to **Legend Biotech Ireland Limited**

2020414932 Legend Biotech USA Inc. The application has been assigned to **Legend Biotech Ireland Limited**

2021

2021216117 ROSEN Swiss AG The application has been assigned to **ROSEN IP AG**

2021225978 Legend Biotech USA Inc. The application has been assigned to **Legend Biotech Ireland Limited**

2021227061 Lafferty, Martin; Production Robots Engineering Limited The application has been assigned to **Matrox Graphics Inc.**

2021246134 LOFA Industries, LLC The application has been assigned to **Catron North America, Inc.**

Assignments before Grant, Section 113

2021307644 Legend Biotech USA Inc. The application has been assigned to **Legend Biotech Ireland Limited**

2021308745 Legend Biotech USA Inc. The application has been assigned to **Legend Biotech Ireland Limited**

2021309145 Legend Biotech USA Inc. The application has been assigned to **Legend Biotech Ireland Limited**

2021310237 Legend Biotech USA Inc. The application has been assigned to **Legend Biotech Ireland Limited**

2021409749 TARASOV, Alexey Borisovich; GOODILIN, Ugene Alekseevich; FEDERAL'NOE GOSUDARSTVENNOE BYUDZHETNOE OBRAZOVATEL'NOE UCHREZHDIENIE VYSSHEGO OBRAZOVANIYA «MOSKOVSKIY GOSUDARSTVENNIY UNIVERSITET IMENI M.V.LOMONOSOVA» (MGU); JOINT STOCK COMPANY KRASNOYARSK HYDROPOWER PLANT(JSC KRASNOYARSK HPP); IVLEV, Pavel Andreevich; BELICH, Nikolai Andreevich The application has been assigned to **EUROSIBENERGO JSC; FEDERAL'NOE GOSUDARSTVENNOE BYUDZHETNOE OBRAZOVATEL'NOE UCHREZHDIENIE VYSSHEGO OBRAZOVANIYA «MOSKOVSKIY GOSUDARSTVENNIY UNIVERSITET IMENI M.V.LOMONOSOVA» (MGU); TARASOV, Alexey Borisovich; GOODILIN, Ugene Alekseevich; IVLEV, Pavel Andreevich; BELICH, Nikolai Andreevich**

2022

2022200423 Suprasensor Technologies, LLC The application has been assigned to **Climate LLC**

2022201790 KUANG, Woguang The application has been assigned to **HUIPU SHOWER METALWORK INDUSTRIAL CO., LTD**

2022204391 Bonac Corporation The application has been assigned to **Toray Industries, Inc.**

2022259323 LEGEND BIOTECH USA INC. The application has been assigned to **Legend Biotech Ireland Limited**

2022263361 Smartcloudfarming GmbH; PAVLOVIC, Marko; BOSAKOV, Gavril; BANDECCHI, Michele; ANTONIC, Nenad; CULIBRK, Dubravko The application has been assigned to **Smartcloudfarming GmbH**

2022277678 AIRBORNE ECS, LLC The application has been assigned to **Intergalactic Spaceworx, LLC**

2022903734 Portman, Ben The application has been assigned to **Portman Nominees Pty Ltd**

2022903768 GRYLLIS, Peter The application has been assigned to **AWDronesystems Pty Ltd**

2022903941 GRYLLIS, Peter The application has been assigned to **AWDronesystems Pty Ltd**

Assignments before Grant, Section 113**2023**

2023202420 Aegis Therapeutics, LLC; Opiant Pharmaceuticals, Inc. The application has been assigned to **Aegis Therapeutics, LLC; Indivior UK Limited**

Extensions of Time, Section 223**Applications Received**

Notice of opposition under Section 223(6) to the undermentioned application(s) for an extension of time may be lodged at the Patent Office within the prescribed time.

2011

2011261170 **Ocean Vision Environmental Research Pty Ltd; Challenger Institute of Technology** An application to extend the time from 02 Jun 2022 to 02 Nov 2023 in which to pay a renewal fee has been filed . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2014

2014251105 **Gribovsky, V.** An application to extend the time from 08 Apr 2023 to 08 Nov 2023 in which to pay a renewal fee has been filed . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

2016

2016239987 **DUALSUN** An application to extend the time from 04 Apr 2023 to 04 Nov 2023 in which to pay a renewal fee has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2017

2017260081 **Alcon Inc.; The Regents of the University of Colorado, a body corporate** An application to extend the time from 04 May 2023 to 04 Dec 2023 in which to pay a renewal fee has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2017260572 **DMC Industries Pty Ltd** An application to extend the time from 02 May 2023 to 02 Dec 2023 in which to pay a renewal fee has been filed . Address for service - DMC Industries Pty Ltd PO Box 547 Avalon Beach NSW 2107 AU

2018

2018269403 **Alltech, Inc.** An application to extend the time from 01 May 2023 to 01 Dec 2023 in which to pay a continuation fee has been filed . Address for service - RnB IP PO Box 9530 Deakin ACT 2600 AU

2018365942 **Gallium Enterprises Pty Ltd** An application to extend the time from 06 Nov 2022 to 06 Oct 2023 in which to pay a renewal fee has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2019

2019224002 **Aqseptence Group Inc.** An application to extend the time from 20 Feb 2023 to 20 Sep 2023 in which to pay a continuation fee has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

Extensions of Time, Section 223

2020

2020260415 **Zoetis Services LLC** An application to extend the time from 11 Feb 2023 to 11 Sep 2023 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020399804 **NEUTRON HOLDINGS, INC. dba LIME; CHADWICK, J.C.; LIU, S.; ONG, Y.J.; FOLEY, N.** An application to extend the time from 13 Jul 2022 to 13 Sep 2023 in which to enter the National Phase has been filed . Address for service - Dentons Patent Attorneys Australasia Limited 18 Viaduct Harbour Avenue Auckland CBD 1142 NZ

2021

2021272137 **ESS TECH, INC.** An application to extend the time from 15 Dec 2022 to 15 Oct 2023 in which to enter the National Phase has been filed . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2021398704 **BEIJING INNOCARE PHARMA TECH CO., LTD.** An application to extend the time from 18 Jul 2023 to 18 Dec 2023 in which to enter the National Phase has been filed . Address for service - Churchill Attorneys PO BOX 3238 BURNLEY NORTH VIC 3121 AU

Applications Allowed - Section 223(2)

2018

2018101436 **Mullally, R.** The time in which to pay a renewal fee has been extended to 24 Jun 2023 . Address for service - Rebecca Mullally 42 Oliver St Ringwood VIC 3134 AU

2019

2019261723 **Mick Murray Welding (N.T.) Pty Ltd** The time in which to request examination has been extended to 12 Dec 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2022

2022204798 **Lumet Technologies Ltd.** The time in which to pay the acceptance fee has been extended to 27 Dec 2023 . Address for service - Belyea IP PO Box 1011 ELSTERNWICK VIC 3185 AU

2022266595 **GRUBER, P.; IMPEKOVEN, C.** The time in which to enter the National Phase has been extended to 27 Dec 2023 . Address for service - Acacia Law PO BOX 1279 Milton QLD 4064 AU

2023

2023208148 **Duke University** The time in which to request examination has been extended to 08 Nov 2023 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 SYDNEY NSW 1225 AU

2023210588 **sunshine surfing (aust) pty ltd** The time in which to comply with a direction under Reg 3.2A has been extended to 07 Dec 2023 . Address for service - Koch IP Pty Ltd 10 Awaba Place Warriewood NSW 2102 AU

2023237072 **BEA SA** The time in which to request examination has been extended to 04 Jan 2024 . Address for service - Krouzer IP PO Box 2035 Como WA 6152 AU

Amendments

Applications for Amendment

A person interested in opposing the allowance of amendments under Section 104 may at any time within two months from the date of this journal give notice at the Patent Office using the approved form accompanied by the prescribed fee.

A person who wishes to be heard in relation to a proposed Rectification of the Register must file a request to be heard within two months from the date of this journal.

2015

2015202237 Programming and reprogramming of cells **Whitehead Institute for Biomedical Research** The nature of the amendment is: Add co-inventor Hanna, Yaqub . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017

2017225083 Programming and reprogramming of cells **Whitehead Institute for Biomedical Research** The nature of the amendment is: Add co-inventor Hanna, Yaqub . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2018

2018209950 Hydroxysteroid 17-beta dehydrogenase 13 (HSD17B13) variants and uses thereof **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 06 Dec 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2018292504 System for pressurising a bottle and for dispensing and aerating a beverage **Coravin, Inc.** The nature of the amendment is as shown in the statement(s) filed 16 Nov 2023 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2018401104 USER TERMINAL AND RADIO COMMUNICATION METHOD **NTT DOCOMO, INC.** The nature of the amendment is as shown in the statement(s) filed 11 Dec 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020

2020201245 Programming and reprogramming of cells **Whitehead Institute for Biomedical Research** The nature of the amendment is: Add co-inventor Hanna, Yaqub . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020267304 Chloride salt of TAT-NR2B9c **NoNO Inc.** The nature of the amendment is as shown in the statement(s) filed 20 Nov 2023 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2022

2022228191 User interfaces for managing media **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to add Sorrentino III, William A. . Address for service - FPA Patent Attorneys Pty Ltd Suite 2, Level 9 275 George Street Sydney NSW 2000 AU

2022287595 Techniques for managing display usage **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 22

Amendments

Nov 2023 . Address for service - FPA Patent Attorneys Pty Ltd Suite 2, Level 9 275 George Street Sydney NSW 2000 AU

Amendments Made**2016**

2016210770 **Bartco Traffic Equipment Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 25 Jul 2023

2017

2017208304 **Honey Bee Manufacturing Ltd.** The nature of the amendment is as shown in the statement(s) filed 06 Dec 2023

2017246593 **Phico Therapeutics Ltd** The nature of the amendment is as shown in the statement(s) filed 29 Mar 2023

2017286477 **DNA Script; Institut Pasteur; Centre national de la recherche scientifique** The nature of the amendment is as shown in the statement(s) filed 12 Sep 2023

2017318536 **Metabrain Research** The nature of the amendment is as shown in the statement(s) filed 12 Sep 2023

2017359018 **Tisento Therapeutics Inc.** The nature of the amendment is as shown in the statement(s) filed 07 Sep 2023

2017364103 **Johnson & Johnson Consumer Inc.** The nature of the amendment is as shown in the statement(s) filed 14 Sep 2023

2017439630 **NTT DOCOMO, INC.** The nature of the amendment is as shown in the statement(s) filed 20 Nov 2023

2018

2018262920 **Laica S.p.a.** The nature of the amendment is as shown in the statement(s) filed 24 Nov 2023

2018289227 **Tendo Ab** The nature of the amendment is as shown in the statement(s) filed 08 Sep 2023

2018328818 **Cyteir Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 08 Sep 2023

2019

2019276071 **Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.; NEXT11 TECHNOLOGIES** The nature of the amendment is as shown in the statement(s) filed 09 Nov 2023

2019344400 **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 13 Sep 2023

2019426631 **Ausnutria Dairy (China) Co., Ltd** The nature of the amendment is as shown in the statement(s) filed 03 Oct 2023

2020

2020203127 **President and Fellows of Harvard College; Janssen Biotech, Inc.** The nature of the amendment is as shown in the statement(s) filed 25 Aug 2023

Amendments

2020203270 **Hensley Industries, Inc.** The nature of the amendment is as shown in the statement(s) filed 02 Jun 2023 and 15 Aug 2023

2020213605 **Infalurt Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2020104497

2020222400 **Caroma Industries Limited; micas AG** The nature of the amendment is: Amend the name of the inventor to read CUM-MINGS, Stephen John; EBERT, Mark and FRITZSCHE, Michael

2021

2021266305 **Iluka Resources Limited; Australian Nuclear Science and Technology Organisation** The nature of the amendment is as shown in the statement(s) filed 24 Nov 2023

2021303679 **Endomagnetics Ltd** The nature of the amendment is as shown in the statement(s) filed 13 Sep 2023

2021374676 **TEREX SOUTH DAKOTA, INC.** The nature of the amendment is as shown in the statement(s) filed 13 Sep 2023

2021447569 **HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.** The nature of the amendment is: Amend the invention title to read ENERGY STORAGE SYSTEM, POWER CONVERSION SYSTEM, AND METHOD FOR OPTIMIZING PRIMARY FREQUENCY MODULATION

2021454501 **MAX (RUDONG) CHEMICALS CO., LTD.** The nature of the amendment is: Amend the invention title to read Herbicide composition, and preparation method and application method thereof

2021471443 **ANHUI SENTAI WPC GROUP SHARE CO., LTD.** The nature of the amendment is: Amend the invention title to read PLANK WITH ANTI-SLIP FUNCTION AND PREPARATION METHOD THEREOF

2022

2022220827 **BOEHRINGER INGELHEIM RCV GMBH & CO KG; VALIDOGEN GMBH; LONZA LTD** The nature of the amendment is: Amend the name of the inventor to read ZAHRL, Richard; ATA AKYOL, Oezge; MATTANOVICH, Diethard and GASSER, Brigitte

2022228121 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read Manzari, Johnnie B.; Ive, Jonathan P.; Dye, Alan C.; Souza Dos Santos, Andre; Pivonka, Pavel; Sorrentino III, William A.; Seely, Richard David; Baer, Richard L. and Bale, Arathi S.

2022250122 **MITSUBISHI HEAVY INDUSTRIES, LTD.** The nature of the amendment is: Amend the invention title to read MONITORING PLAN GENERATION DEVICE, MONITORING SYSTEM, MONITORING PLAN GENERATION METHOD, AND PROGRAM

2022256223 **Kanthal AB** The nature of the amendment is as shown in the statement(s) filed 29 Nov 2023

2022268347 **TScan Therapeutics, Inc.; Dana-Farber Cancer Institute, Inc.** The nature of the amendment is: Amend the name of the inventor to read WANG, Yifan; TADROS, Jenny; NABILSI, Nancy; MAC-BEATH, Gavin; SCHOENFELD, Jonathan and WUCHERPFENNIG, Kai

Amendments

2022268781 **CHUGAI SEIYAKU KABUSHIKI KAISHA** The nature of the amendment is: Amend the invention title to read Cyclic Compound having Selective Inhibitory Action on KRAS over HRAS and NRAS

2022270087 **ECOVATIVE DESIGN LLC** The nature of the amendment is as shown in the statement(s) filed 22 Nov 2023

2022275056 **NCAM TECHNOLOGIES LIMITED** The nature of the amendment is as shown in the statement(s) filed 30 Nov 2023

2022275338 **SAKATA SEED CORPORATION** The nature of the amendment is: Amend the invention title to read Spinach plant having novel downy mildew resistance gene

2022277047 **SWETREE TECHNOLOGIES AB** The nature of the amendment is as shown in the statement(s) filed 29 Nov 2023

2022280451 **MITSUBISHI HEAVY INDUSTRIES, LTD.** The nature of the amendment is: Amend the invention title to read Mist discharge device and absorbent absorber

2022280511 **NIPPON KAYAKU KABUSHIKI KAISHA** The nature of the amendment is: Amend the invention title to read COMBINED USE OF UBENIMEX AND IMMUNE CHECKPOINT INHIBITOR

2022284108 **HUAWEI TECHNOLOGIES CO., LTD.** The nature of the amendment is: Amend the invention title to read CHANNEL STATE INFORMATION MEASUREMENT METHOD, AND APPARATUS

2022288713 **THE GENERAL HOSPITAL CORPORATION; DANAFARBER CANCER INSTITUTE, INC.** The nature of the amendment is: Amend the name of the inventor to read HAGGARTY, Stephen John; DA SILVA, Maria Catarina Telo Baptista Lima; FERGUSON, Fleur Marcia and GRAY, Nathanael S.

2022294637 **ANSELL LIMITED** The nature of the amendment is: Amend the invention title to read Wearable hand motion and feedback system

2022298810 **GRAPHIC PACKAGING INTERNATIONAL, LLC** The nature of the amendment is: Amend the name of the inventor to read Ford, Colin P.

2022386431 **NANJING CHERVON INDUSTRY CO., LTD.** The nature of the amendment is: Amend the invention title to read RIDING MOWING DEVICE

2022418233 **LG ENERGY SOLUTION, LTD.** The nature of the amendment is: Amend the invention title to read Battery pack including fire extinguishing water storage tank

2022429255 **LG ENERGY SOLUTION, LTD.** The nature of the amendment is: Amend the invention title to read Battery pack, and ESS and vehicle including the battery pack

2022443749 **NIPPON BXI INCORPORATED** The nature of the amendment is: Amend the invention title to read Emergency treatment system for injured or sick persons

Amendments

2022452744 **RHEINMETALL LANDSYSTEME GMBH** The nature of the amendment is: Amend the invention title to read Exhaust gas muffler system, protected vehicle, and method

2023

2023266353 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read GRAHAM, David Chance; CARRIGAN, Taylor G.; COFFMAN, Patrick L.; DYE, Alan C.; FOSS, Christopher P.; PETERSON, Corey J.; CHIAO, Sue Wen; SEILAUDOM, Patchaya B; PECK, Jessica J.; SANDERS, Christopher J and CORMICAN, Neil P.

2023266904 **INNER MONGOLIA NORTH HAULER JOINT STOCK CO.,LTD.** The nature of the amendment is: Amend the invention title to read BRAKING DEVICE AND BRAKING METHOD FOR UNMANNED MINING DUMP TRUCK

Alteration of Name(s) of Applicant(s)/Patentee(s)

2010

2010277461 **LABORATOIRE D'APPLICATION ET DE RECHERCHE SCIENTIFIQUE - LARS** The name of the patentee has been altered to **movmedix**

2014

2014252287 **Modbar, LLC.** The name of the patentee has been altered to **La Marzocco International, L.L.C.**

2014364348 **Detica Patent Limited** The name of the patentee has been altered to **SYMPHONYAI NETREVEAL PATENT LIMITED**

2016

2016337411 **Maxivax SA** The name of the patentee has been altered to **Release Therapeutics SA**

2017

2017349047 **Reichhold AS** The name of the patentee has been altered to **Polynt Composites Norway AS**

2017374587 **Total Marketing Services; Societe D'exploitation De Produits Pour Les Industries Chimiques Seppic** The name of the applicant has been altered to **TOTALENERGIES ONETECH; Societe D'exploitation De Produits Pour Les Industries Chimiques Seppic**

2018

2018261753 **New York Society for the Ruptured and Crippled Maintaining the Hospital for Special Surgery** The name of the patentee has been altered to **New York Society for the Relief of the Ruptured and Crippled, Maintaining the Hospital for Special Surgery**

2020

2020328178 **Maxivax SA ; Les Hopitaux Universitaires de Geneve; Universite de Geneve** The name of the applicant has been altered to **Release Therapeutics SA; Les Hopitaux Universitaires de Geneve; Universite de Geneve**

2020329583 **Maxivax SA; Les Hopitaux Universitaires de Geneve; Universite de Geneve** The name of the applicant has been altered to **Release Therapeutics SA; Les Hopitaux Universitaires de Geneve; Universite de Geneve**

Amendments**2021**

2021371028 THE JOHNS HOPKINS UNIVERSITY; Mandeep SINGH; Seth BLACKSHAW ; Robert JOHNSTON ; Jiang QIAN ; Ying LIU The name of the applicant has been altered to **THE JOHNS HOPKINS UNIVERSITY**

2022

2022208321 PARIS SCIENCES ET LETTRES; ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES DE LA VILLE DE PARIS; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; MICROFACTORY SAS; SORBONNE UNIVERSITE The name of the applicant has been altered to **PARIS SCIENCES ET LETTRES; ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES DE LA VILLE DE PARIS; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; MICROFACTORY; SORBONNE UNIVERSITE**

2022268347 TScan Therapeutics, Inc. The name of the applicant has been altered to **TScan Therapeutics, Inc.; Dana-Farber Cancer Institute, Inc.**

2022268729 KING ADBULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY The name of the applicant has been altered to **King Abdullah University of Science and Technology**

2022269397 KING ADBULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY The name of the applicant has been altered to **King Abdullah University of Science and Technology**

2022270439 KING ADBULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY The name of the applicant has been altered to **King Abdullah University of Science and Technology**

2022276106 BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED The name of the applicant has been altered to **Nicoventures Trading Limited**

2022279074 PYRONEMESIS, INC. The name of the applicant has been altered to **Team Wildfire Inc.**

2023

2023903693 Centenary Institute of Cancer Medicine and Cell Biology The name of the applicant has been altered to **Centenary Institute of Cancer Medicine and Cell Biology; University of Sydney**

2023903763 Modulate Containers Pty Ltd The name of the applicant has been altered to **Modulate Group Pty Limited**

Applications Open to Public Inspection

Name Index

- . (*) Title not in Roman characters
- . (**) Title not given

(71) Acres Technology
 (11) AU-A-2023274143
 (21) 2023274143 (22) 29.11.2023
 (54) Game Performance Determination by Incremental Revenue
 (51) Int. Cl.
G06Q 50/00 (2012.01)
 (43) 21.12.2023
 (62) 2021236503
 (72) John F. Acres
 (74) Golja Haines & Friend

(71) Acres Technology
 (11) AU-A-2023278005
 (21) 2023278005 (22) 05.12.2023
 (54) Bonus with Proximity of Occurrence Related to Base Game Outcomes or Payback Percentage
 (51) Int. Cl.
A63F 13/00 (2014.01)
G07F 17/34 (2006.01)
 (43) 21.12.2023
 (62) 2021254637
 (72) Acres, John F.
 (74) Golja Haines & Friend

(71) Actelion Pharmaceuticals Ltd
 (11) AU-A-2023274118
 (21) 2023274118 (22) 29.11.2023
 (54) Pharmaceutical combination comprising ponesimod
 (51) Int. Cl.
A61K 31/426 (2006.01)
A61K 31/277 (2006.01)
A61K 31/42 (2006.01)
A61P 25/00 (2006.01)
A61P 37/00 (2006.01)
A61P 37/06 (2006.01)
 (43) 21.12.2023
 (62) 2018233109
 (72) Martine CLOZEL; Laetitia POUZOL
 (74) Spruson & Ferguson

(71) Acuitas Therapeutics Inc.
 (11) AU-A-2023274244
 (21) 2023274244 (22) 04.12.2023
 (54) Novel lipids and lipid nanoparticle formulations for delivery of nucleic acids
 (51) Int. Cl.
C07C 219/06 (2006.01)
A61K 9/127 (2006.01)
C07C 229/16 (2006.01)
C07C 233/18 (2006.01)
C07C 255/24 (2006.01)
C12N 15/11 (2006.01)
 (43) 21.12.2023
 (62) 2021206881
 (72) Ansell, Steven M.; Du, Xinyao
 (74) Davies Collison Cave Pty Ltd

(71) Aerovironment, Inc.
 (11) AU-A-2023274255
 (21) 2023274255 (22) 05.12.2023
 (54) UAV having hermetically sealed modularized compartments and fluid drain ports
 (51) Int. Cl.
B64C 35/00 (2006.01)
 (43) 21.12.2023
 (62) 2021204358
 (72) BELIK, Pavel; SZAREK, Thomas; TORRES, Gabriel E.; FRAYE, Vernon P.
 (74) Spruson & Ferguson

AJ PARK see Telefonaktiebolaget LM Ericsson (publ)
 (21) 2023274158

(71) Alnylam Pharmaceuticals, Inc.
 (11) AU-A-2023274165
 (21) 2023274165 (22) 30.11.2023
 (54) CHIRALLY-ENRICHED DOUBLE-STRANDED RNA AGENTS
 (51) Int. Cl.
C07H 21/02 (2006.01)
C12N 15/113 (2010.01)
 (43) 21.12.2023
 (62) 2018392782
 (72) Muthiah MANOHARAN; Nate TANEJA; Hartmut Ingo JAHNS; Shigeo MATSUDA; Klaus CHARISSE; Guo HE; Jayaprakash K. NAIR; Christopher BROWN; Mark K. SCHLEGEL; Vasant JADHAV; Martin MAIER
 (74) Griffith Hack

(71) Altronic Distributors Pty Ltd
 (11) AU-A-2023274151
 (21) 2023274151 (22) 29.11.2023
 (54) Horn Speaker Cover Assembly
 (51) Int. Cl.
H04R 1/02 (2006.01)
H04R 31/00 (2006.01)
 (43) 21.12.2023
 (62) 2018236780
 (72) Brian Sorensen
 (74) WRAYS PTY LTD

(71) Amiad Water Systems LTD.
 (11) AU-A-2023274238
 (21) 2023274238 (22) 04.12.2023
 (54) Control mechanism for self-cleaning filtration systems
 (51) Int. Cl.
B01D 29/68 (2006.01)
B01D 29/64 (2006.01)

(43) 21.12.2023
 (62) 2022204081
 (72) Eisen, Amir; Peled, Roi; Atias, Kfir
 (74) IP SOLVED (ANZ) PTY. LTD.

(71) Apple Inc.
 (11) AU-A-2023274186
 (21) 2023274186 (22) 30.11.2023
 (54) Multi-user configuration
 (51) Int. Cl.
H04L 67/54 (2022.01)
G06F 3/16 (2006.01)
G06F 21/32 (2013.01)
G10L 15/00 (2013.01)
G10L 17/00 (2013.01)
H04L 67/30 (2022.01)
 (43) 21.12.2023
 (62) 2023201189
 (72) Taylor G. Carrigan; Patrick L. Coffman; David Chance Graham
 (74) FPA Patent Attorneys Pty Ltd

(71) Arbutus Biopharma Corporation
 (11) AU-A-2023274208
 (21) 2023274208 (22) 01.12.2023
 (54) Targeted nucleic acid conjugate compositions
 (51) Int. Cl.
C12N 15/113 (2010.01)
A61K 47/54 (2017.01)
C07C 217/52 (2006.01)
C07C 235/06 (2006.01)
C07C 237/08 (2006.01)
C07C 237/20 (2006.01)
C07D 207/08 (2006.01)
C07D 207/12 (2006.01)
C07D 209/12 (2006.01)
C07D 209/52 (2006.01)
C07F 9/40 (2006.01)
C07H 15/26 (2006.01)
C07H 21/00 (2006.01)
C07H 21/02 (2006.01)
C07J 9/00 (2006.01)
C07J 63/00 (2006.01)
C12N 15/87 (2006.01)
 (43) 21.12.2023
 (62) 2017251107
 (72) James Heyes; Richard J. Holland; Alan D. Martin; Mark Wood
 (74) Davies Collison Cave Pty Ltd

(71) Aristocrat Technologies, Inc.
 (11) AU-A-2023203134
 (21) 2023203134 (22) 18.05.2023
 (54) GENERAL BACKEND SERVICE ARCHITECTURE FOR A NOVEL GAME DEVELOPMENT KIT (GDK)
 (51) Int. Cl.
G07F 17/32 (2006.01)
 (31) 17/832,539 (32) 03.06.22 (33) US

Applications Open to Public Inspection - Name Index cont'd

(43) 21.12.2023
 (72) STANHOPE, John; APPA, Alexander; HABERMAN, Eric
 (74) James & Wells Intellectual Property

(71) Aristocrat Technologies, Inc.
 (11) AU-A-2023203135
 (21) 2023203135 (22) 18.05.2023
 (54) SYSTEMS AND METHODS FOR INDEPENDENT CONTROL OF PORTIONS OF A DISPLAY IN AN ELECTRONIC GAME
 (51) Int. Cl.
G07F 17/32 (2006.01)
 (31) 17/834,786 (32) 07.06.22 (33) US
 (43) 21.12.2023
 (72) DAVIS, Blake; ENGLMAN, Allon
 (74) James & Wells Intellectual Property

(71) Aristocrat Technologies, Inc.
 (11) AU-A-2023203156
 (21) 2023203156 (22) 19.05.2023
 (54) MODULAR FRONTEND GAME DEVELOPMENT FRAMEWORK
 (51) Int. Cl.
G07F 17/32 (2006.01)
 (31) 17/832,532 (32) 03.06.22 (33) US
 (43) 21.12.2023
 (72) MORGAN, Josh; APPA, Alexander; FOSTER, Phillip; CHIU, Tony
 (74) James & Wells Intellectual Property

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2023274211
 (21) 2023274211 (22) 01.12.2023
 (54) Gaming System and Method of Gaming
 (51) Int. Cl.
A63F 13/50 (2014.01)
A63F 13/45 (2014.01)
G07F 17/32 (2006.01)
 (43) 21.12.2023
 (62) 2018220052
 (72) Daniel MARKS; Hua XU
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2023278021
 (21) 2023278021 (22) 05.12.2023
 (54) GAMING MACHINE WITH ENHANCED RESPIN FEATURE
 (51) Int. Cl.
A63F 13/00 (2014.01)
G07F 17/32 (2006.01)
 (43) 21.12.2023
 (62) 2019200806
 (72) MARSH, David; ROELOFS, Karl
 (74) Griffith Hack

(71) ASC Engineered Solutions, LLC
 (11) AU-A-2023274179
 (21) 2023274179 (22) 30.11.2023
 (54) Hanging connector for flexible sprinkler conduit
 (51) Int. Cl.

A62C 31/00 (2006.01)
A62C 35/00 (2006.01)
A62C 37/00 (2006.01)
F16L 3/00 (2006.01)
 (43) 21.12.2023
 (62) 2018297290
 (72) Joseph Beagen
 (74) FPA Patent Attorneys Pty Ltd

(71) ATS IP, LLC
 (11) AU-A-2023274153
 (21) 2023274153 (22) 29.11.2023
 (54) Thermal lensing electrode in thermoelectric generators for improved performance
 (51) Int. Cl.
H10N 10/17 (2023.01)
C23C 24/08 (2006.01)
H01L 21/00 (2006.01)
H10N 10/10 (2023.01)
H10N 10/82 (2023.01)
 (43) 21.12.2023
 (62) 2019381834
 (72) Ronald PETKIE; John B. NEWMAN; Ion M. BASA
 (74) Wulff Partners Pty Ltd

(71) Ausco Modular Pty Limited
 (11) AU-A-2023274131
 (21) 2023274131 (22) 29.11.2023
 (54) Construction system
 (51) Int. Cl.
B64C 39/02 (2023.01)
B64U 101/00 (2023.01)
B64U 101/60 (2023.01)
 (43) 21.12.2023
 (62) 2020203970
 (72) Carlo Paneni
 (74) Davies Collision Cave Pty Ltd

(71) AVA Risk Group Limited
 (11) AU-A-2023278003
 (21) 2023278003 (22) 05.12.2023
 (54) Event statistic generation method and apparatus for intrusion detection
 (51) Int. Cl.
H04B 10/071 (2013.01)
G01B 9/02 (2022.01)
G08B 13/187 (2006.01)
 (43) 21.12.2023
 (62) 2019248019
 (72) MAHMOUD, Seedahmed; MEEHAN, Alaster; BOURKE, Brian
 (74) Griffith Hack

Baxter Healthcare SA see Baxter International Inc.
 (21) 2023274152

(71) Baxter International Inc.; Baxter Healthcare SA
 (11) AU-A-2023274152
 (21) 2023274152 (22) 29.11.2023
 (54) MEDICAL FLUID DELIVERY SYSTEM INCLUDING REMOTE MACHINE UPDATING AND CONTROL

(51) Int. Cl.
A61M 1/16 (2006.01)
 (43) 21.12.2023
 (62) 2017379899
 (72) Christopher Daniel Gassman
 (74) K&L Gates

(71) BD Kiestra B.V.
 (11) AU-A-2023278031
 (21) 2023278031 (22) 06.12.2023
 (54) Systems and methods for centering a circular object
 (51) Int. Cl.
B01L 9/00 (2006.01)
B01L 9/06 (2006.01)
C12M 1/00 (2006.01)
C12M 1/22 (2006.01)
C12M 1/26 (2006.01)
C12M 1/36 (2006.01)
C12M 3/00 (2006.01)
G01N 35/00 (2006.01)
G01N 35/04 (2006.01)
 (43) 21.12.2023
 (62) 2019300262
 (72) KUIPER, Wouter; VAN DER DONG, Harm W.; VAN DER VIJVER, Jan Bart; KLEEFSTRA, Martijn
 (74) FB Rice Pty Ltd

(71) Beacon Lighting International Limited
 (11) AU-A-2023274206
 (21) 2023274206 (22) 01.12.2023
 (54) Improved combined ceiling fan and light fitting
 (51) Int. Cl.
F24F 7/007 (2006.01)
F21V 33/00 (2006.01)
 (43) 21.12.2023
 (62) 2021269441
 (72) Joe Villella
 (74) Davies Collision Cave Pty Ltd

(71) Beijing Tusen Zhitu Technology Co., Ltd.
 (11) AU-A-2023203355
 (21) 2023203355 (22) 30.05.2023
 (54) Software releasing method and apparatus, computing device and storage medium
 (51) Int. Cl.
G06F 11/36 (2006.01)
 (31) 202210624499.8 (32) 02.06.22 (33) CN
 (43) 21.12.2023
 (72) SUI, Qingyu
 (74) FB Rice Pty Ltd

(71) bioMerieux, Inc.
 (11) AU-A-2023274134
 (21) 2023274134 (22) 29.11.2023
 (54) Load lock chamber assemblies for sample analysis systems and related mass spectrometer systems and methods
 (51) Int. Cl.
H01J 49/04 (2006.01)
H01J 37/18 (2006.01)
H01J 49/26 (2006.01)

Applications Open to Public Inspection - Name Index cont'd

(43) 21.12.2023
 (62) 2019220557
 (72) Jared BULLOCK; Scott COLLINS; Mark TALMER
 (74) WRAYS PTY LTD

(71) Boston Scientific Scimed, Inc.
 (11) AU-A-2023274174
 (21) 2023274174 (22) 30.11.2023
 (54) Devices, systems, and methods for a catheter accessory
 (51) Int. Cl.
A61B 17/12 (2006.01)

(43) 21.12.2023
 (62) 2020340311
 (72) Patrick A. HAVERKOST; Joel N. GROFF; Joel M. WASDYKE
 (74) Spruson & Ferguson

(71) C3.ai, Inc.
 (11) AU-A-2023276440
 (21) 2023276440 (22) 05.12.2023
 (54) SYSTEMS AND METHODS FOR FULL HISTORY DYNAMIC NETWORK ANALYSIS

(51) Int. Cl.
G06F 3/06 (2006.01)
G06F 21/55 (2013.01)
G06F 21/57 (2013.01)
G06F 21/62 (2013.01)

(43) 21.12.2023
 (62) 2019372050
 (72) OHLSSON, Henrik; SANDILYA, Umashankar; HAGHIGHI, Mehdi Maa-soumy
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Cardinal Health 529, LLC
 (11) AU-A-2023251556
 (21) 2023251556 (22) 20.10.2023
 (54) System for re-entering a vessel lumen
 (51) Int. Cl.
A61M 25/04 (2006.01)
A61M 25/00 (2006.01)

(43) 21.12.2023
 (62) 2021250872
 (72) Wilkinson, Matthew
 (74) Griffith Hack

(71) Caroma Industries Limited
 (11) AU-A-2023274175
 (21) 2023274175 (22) 30.11.2023
 (54) Maintenance management system and method
 (51) Int. Cl.
G06Q 10/06 (2023.01)
G06F 17/00 (2019.01)
G06Q 10/00 (2023.01)
G06Q 50/12 (2012.01)

(43) 21.12.2023
 (62) 2021245125
 (72) Stephen John CUMMINGS
 (74) Spruson & Ferguson

(71) Carruthers, J.; Gilmore, P.
 (11) AU-A-2022361891
 (21) 2022361891 (22) 05.04.2022
 (54) Shipping Container Safety Door Bracket
 (51) Int. Cl.
B65D 90/54 (2006.01)
B65D 90/00 (2006.01)
E05F 5/02 (2006.01)

(43) 21.12.2023
 (72) Carruthers, Jamie
 (74) Peter Michelle Gilmore

(71) CaseMed Engineering, LLC
 (11) AU-A-2022204524
 (21) 2022204524 (22) 02.06.2022
 (54) Applicator for a container
 (51) Int. Cl.
A45D 40/26 (2006.01)

(43) 21.12.2023
 (72) Samangoie, Casey
 (74) Adams Pluck

(71) CaseMed Engineering, LLC
 (11) AU-A-2023274086
 (21) 2023274086 (22) 28.11.2023
 (54) Hand-held Applicator
 (51) Int. Cl.

A45D 34/04 (2006.01)
A45D 40/24 (2006.01)
A47K 7/03 (2006.01)
A47L 13/19 (2006.01)
A61M 35/00 (2006.01)
B65D 81/32 (2006.01)

(43) 21.12.2023
 (62) 2018372552
 (72) Casey SAMANGOIE
 (74) Adams Pluck

(71) Cash, A.B.
 (11) AU-A-2023274237
 (21) 2023274237 (22) 04.12.2023
 (54) Method to alleviate the symptoms of PMS

(51) Int. Cl.
A61K 31/167 (2006.01)
A61K 31/192 (2006.01)
A61K 31/194 (2006.01)
A61K 31/375 (2006.01)
A61K 31/522 (2006.01)
A61K 33/08 (2006.01)
A61K 33/10 (2006.01)
A61K 45/06 (2006.01)
A61P 25/24 (2006.01)
A61P 29/00 (2006.01)

(43) 21.12.2023
 (62) 2017330348
 (72) Cash, Alan B.
 (74) Griffith Hack

(71) CATERPILLAR INC.
 (11) AU-A-2023203122
 (21) 2023203122 (22) 18.05.2023
 (54) LUBRICATION DISTRIBUTION SYSTEM FOR MACHINE WITH KINEMATIC LINKAGES
 (51) Int. Cl.

F16N 13/22 (2006.01)
E02F 9/00 (2006.01)
F16C 11/04 (2006.01)
F16C 33/10 (2006.01)
F16N 25/00 (2006.01)

(31) 17/833,390 (32) 06.06.22 (33) US
 (43) 21.12.2023
 (72) MARINESCU, Dragos; HOWSON, Brian C.; FRITZKE, Matthew J.; HANSEN, Matthew T.
 (74) FPA Patent Attorneys Pty Ltd

(71) CCTEG CHINA COAL RESEARCH INSTITUTE
 (11) AU-A-2023201530
 (21) 2023201530 (22) 13.03.2023
 (54) FUNCTIONALIZED UIO-66/POLYURETHANE COMPOSITE GROUTING REINFORCEMENT AGENT AND PREPARATION METHOD THEREOF

(51) Int. Cl.
C08G 18/64 (2006.01)
C08G 18/48 (2006.01)
C08G 83/00 (2006.01)

(31) 202210618112.8 (32) 01.06.22 (33) CN
 (43) 21.12.2023
 (72) YU, Xiaofeng; WANG, Yuchao; SHEN, Dong; LIU, Lizong; BAI, Guangfeng; ZHANG, Yu; WANG, Jin; ZHAO, Xinnan; WANG, Kai; XIE, Enqing
 (74) LexGeneris Pty Ltd

(71) CCTEG CHINA COAL RESEARCH INSTITUTE
 (11) AU-A-2023202864
 (21) 2023202864 (22) 09.05.2023
 (54) MULTI-SOURCE INFORMATION FUSION INTELLIGENT WARNING METHOD AND APPARATUS FOR COAL AND GAS OUTBURST

(51) Int. Cl.
G01V 1/28 (2006.01)
E21B 47/12 (2012.01)
G01V 1/30 (2006.01)
G06F 17/00 (2019.01)

(31) 2022105910173 (32) 27.05.22 (33) CN
 (43) 21.12.2023
 (72) SHU, Longyong; HUO, Zhonggang; ZHU, Nannan; AN, Sai; YANG, Jihan; YE, Jinjiao; ZHANG, Shulin; MA, Ming; ZHANG, Huijie; FAN, Yongpeng; LIU, Zhengshuai; MA, Yankun; XUE, Wentao; TU, Qi
 (74) LexGeneris Pty Ltd

(71) Celularity Inc.
 (11) AU-A-2023274138
 (21) 2023274138 (22) 29.11.2023
 (54) ANGIOGENESIS USING STIMULATED PLACENTAL STEM CELLS

(51) Int. Cl.
A01N 63/00 (2020.01)
C12N 5/00 (2006.01)

(43) 21.12.2023
 (62) 2021261923
 (72) Kathy E. Karasiewicz-Mendez; Aleksandar Francki; Jeffrey Turner; Eric Law; Jennifer Paredes; Kristen

Applications Open to Public Inspection - Name Index cont'd

Labazzo; Hemlata Rana; Wolfgang Hofgartner; Robert J. Hariri
(74) PHILLIPS ORMONDE FITZPATRICK

Central Adelaide Local Health Network Inc see University of South Australia
(21) 2023274135

(71) CFPH, LLC
(11) AU-A-2023275532
(21) 2023275532 (22) 05.12.2023
(54) SYSTEM AND METHOD FOR FACILITATING A WIRELESS FINANCIAL TRANSACTION
(51) Int. Cl.
G06Q 40/00 (2023.01)
(43) 21.12.2023
(62) 2021236512
(72) Amaitis, Lee M.; Mylet, Darrin Michael; Wilkins, Alan Brent
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Concentrated Solutions Pty Ltd
(11) AU-A-2023203473
(21) 2023203473 (22) 02.06.2023
(54) A PROCESS AND PLANT
(51) Int. Cl.
B03B 7/00 (2006.01)
B01D 21/26 (2006.01)
B03B 4/02 (2006.01)
B03B 4/04 (2006.01)
B03B 5/52 (2006.01)
(31) 2022901528 (32) 03.06.22 (33) AU
(43) 21.12.2023
(72) Reynolds, Graham Andrew
(74) BOSH IP Pty Ltd

(71) Conveyor Innovations Pty Ltd; e-moola.com Pty Ltd
(11) AU-A-2023274187
(21) 2023274187 (22) 30.11.2023
(54) Conveyor idler roller monitoring assembly
(51) Int. Cl.
B65G 43/02 (2006.01)
B65G 39/09 (2006.01)
F16C 33/80 (2006.01)
G01P 3/487 (2006.01)
G01R 33/07 (2006.01)
(43) 21.12.2023
(62) 2018214438
(72) Justin McCarthy Geddes; Russell Morgan
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Creative Surgical Solutions, LLC
(11) AU-A-2023270358
(21) 2023270358 (22) 27.11.2023
(54) TAMPERPROOF SURGICAL BACK TABLE DRAPE
(51) Int. Cl.
A61B 46/00 (2016.01)
A61B 46/10 (2016.01)

(43) 21.12.2023
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(72) James Bemman; Samba Toure; Nicholas Sievers; Phillip Reed Brown; Brian L. Wilt; Evelina Leece; Wojciech Porcelk; Donald Corenman; Eric Strauch
(74) RnB IP Pty Ltd

(71) CSG PTY LTD
(11) AU-A-2023274141
(21) 2023274141 (22) 29.11.2023
(54) Improvements in Switches
(51) Int. Cl.
H01H 35/00 (2006.01)
H01H 47/00 (2006.01)
(43) 21.12.2023
(62) 2022200469
(72) Dean LUCANTONIO
(74) Wallington-Dummer

(71) Dana-Farber Cancer Institute, Inc.
(11) AU-A-2023274129
(21) 2023274129 (22) 29.11.2023
(54) Composition and methods of genome editing of B-cells
(51) Int. Cl.
C12N 5/0781 (2010.01)
C12N 15/90 (2006.01)
(43) 21.12.2023
(62) 2017246411
(72) Michael GOLDBERG; Vera GREINER
(74) Spruson & Ferguson

(71) Deere & Company
(11) AU-A-2023202034
(21) 2023202034 (22) 03.04.2023
(54) Apparatuses, systems, and methods for seed double elimination in agricultural operations
(51) Int. Cl.
A01C 7/04 (2006.01)
A01C 7/20 (2006.01)
(31) 17/805,728 (32) 07.06.22 (33) US
(43) 21.12.2023
(72) Hubner, Cary S.; Zumdome, Lee E.; Natarajan, Kamalakannan
(74) Davies Collison Cave Pty Ltd

(71) Deere & Company
(11) AU-A-2023202750
(21) 2023202750 (22) 03.05.2023
(54) System and method for field object detection, mapping, and avoidance
(51) Int. Cl.
A01B 79/00 (2006.01)
A01D 41/127 (2006.01)
B60Q 1/02 (2006.01)
G01S 13/93 (2020.01)
G05D 1/02 (2020.01)
(31) 17/830,079 (32) 01.06.22 (33) US
(43) 21.12.2023
(72) Ekhe, Sandeep P.; Baradakar, Shantanu
(74) Davies Collison Cave Pty Ltd

(71) Dermavant Sciences GmbH
(11) AU-A-2023274224
(21) 2023274224 (22) 04.12.2023
(54) PROCESS FOR PREPARING TAPINAROF
(51) Int. Cl.
C07C 39/00 (2006.01)
A61K 31/00 (2006.01)
A61K 31/045 (2006.01)
A61K 31/05 (2006.01)
C07C 39/205 (2006.01)
C07C 39/21 (2006.01)
(43) 21.12.2023
(62) 2018365241
(72) ANDREWS, Ian Paul; CALANDRA, Nicholas; DAVIS, Tyler Andrew; SUDINI, Ravinder Reddy
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Dolby International AB
(11) AU-A-2023274125
(21) 2023274125 (22) 29.11.2023
(54) Audio Upmixer Operable in Prediction or Non-Prediction Mode
(51) Int. Cl.
G10L 19/00 (2013.01)
G10L 19/008 (2013.01)
(43) 21.12.2023
(62) 2023204124
(72) Pontus Carlsson; Heiko Purnhagen; Lars Villemoes
(74) Chrysiliou IP

(71) E. & J. Gallo Winery
(11) AU-A-2023274248
(21) 2023274248 (22) 05.12.2023
(54) LOW PROFILE DESIGN AIR TUNNEL SYSTEM AND METHOD FOR PROVIDING UNIFORM AIR FLOW IN A REFRACTANCE WINDOW DRYER
(51) Int. Cl.
F26B 17/02 (2006.01)
F26B 3/04 (2006.01)
F26B 15/18 (2006.01)
F26B 15/22 (2006.01)
(43) 21.12.2023
(62) 2019364630
(72) ORTIZ, Jorge; DELAO, Ernesto Rios; BURGESS, Dan
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Emma Sleep GmbH
(11) AU-A-2023203388
(21) 2023203388 (22) 31.05.2023
(54) Mattress valve and assembly
(51) Int. Cl.
F16K 1/02 (2006.01)
A47C 27/08 (2006.01)
F16K 31/44 (2006.01)
(31) 10 2022 114 135.7 (32) 03.06.22 (33) DE
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(72) KUKUKHEL, Harun; WAZIR, Mudasir
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(21) 2023274187

(71) Encore Medical, L.P. (d/b/a DJO Surgical)

(11) AU-A-2023274243

(21) 2023274243 **(22)** 04.12.2023

(54) Glensphere with inserts for augmented fixation and related methods

(51) Int. Cl.

A61F 2/30 (2006.01)

A61F 2/40 (2006.01)

(43) 21.12.2023

(62) 2018294239

(72) FRANKLE, Mark A.; GUTIERREZ, Sergio; WILLIAMS, Gerald; IANNOTTI, Joseph P.

(74) Davies Collison Cave Pty Ltd

(71) Enerpac Tool Group Corp.

(11) AU-A-2023203533

(21) 2023203533 **(22)** 06.06.2023

(54) HYDRAULIC TOOLS

(51) Int. Cl.

B25B 27/06 (2006.01)

B21F 11/00 (2006.01)

B25B 28/00 (2006.01)

(31) 63/349,542 **(32)** 06.06.22 **(33)** US
 18/205,041 02.06.23 US

(43) 21.12.2023

(72) Norquist, Eric D.; Gall, Ben; Sánchez Santero, Celia; Escudero Alonso, Daniel; Neelsen, Elizabeth M.; Harvey, Kyle M.; Olbrich, Nathaniel

(74) Integrated IP

(71) Equilume Ltd

(11) AU-A-2023274164

(21) 2023274164 **(22)** 30.11.2023

(54) BOVINE HEADPIECE AND METHOD

(51) Int. Cl.

A01K 29/00 (2006.01)

A01K 13/00 (2006.01)

A61N 5/06 (2006.01)

(43) 21.12.2023

(62) 2018223902

(72) Barbara Murphy

(74) Madderns Pty Ltd

(71) Evans, R.

(11) AU-A-2022203893

(21) 2022203893 **(22)** 05.06.2022

(54) Hay Hoodie / Hay Cover / Hay Feeder / Bale Protection & Feeding System

(51) Int. Cl.

A01F 25/13 (2006.01)

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(72) Evans, Rebecca

(74) Rebecca Jane Evans

(71) FISHER & PAYKEL HEALTHCARE LIMITED

(11) AU-A-2023274229

(21) 2023274229 **(22)** 04.12.2023

(54) Breathing Assistance Apparatus with Liquid Containment

(51) Int. Cl.

A61M 16/16 (2006.01)

(43) 21.12.2023

(62) 2021273596

(72) Sun, Yi-cheng

(74) AJ PARK

(71) Five Prime Therapeutics, Inc.

(11) AU-A-2023274207

(21) 2023274207 **(22)** 01.12.2023

(54) FGFR2 inhibitors alone or in combination with immune stimulating agents in cancer treatment

(51) Int. Cl.

C07K 16/28 (2006.01)

G01N 33/574 (2006.01)

(43) 21.12.2023

(62) 2016359609

(72) Kristen Pierce; Janine Powers; Servando Palencia; Robert Sikorski; Majid Ghodduji; Kartik Krishnan

(74) WRAYS PTY LTD

(71) FLSmidth A/S

(11) AU-A-2023274122

(21) 2023274122 **(22)** 29.11.2023

(54) Roller mill and method for operating a roller mill

(51) Int. Cl.

B02C 4/02 (2006.01)

B02C 4/40 (2006.01)

B02C 25/00 (2006.01)

(43) 21.12.2023

(62) 2020303222

(72) Frank SCHROERS

(74) Griffith Hack

(71) Follica, Inc.

(11) AU-A-2023278027

(21) 2023278027 **(22)** 06.12.2023

(54) Needling device and drug applicator

(51) Int. Cl.

A61B 17/00 (2006.01)

A61B 17/20 (2006.01)

A61B 18/20 (2006.01)

A61M 5/00 (2006.01)

A61M 5/32 (2006.01)

A61M 35/00 (2006.01)

A61M 37/00 (2006.01)

(43) 21.12.2023

(62) 2021218190

(72) THARP, David C; KELLOGG, Scott; CHASTAIN, David P; DERUNTZ, Daniel; ROBINSON, Jason; WOLOS, Greg; STAUDT, Alex; SMITH, Daniel P; MORSE, Justin David; DIBELLA, Anthony Vincent; GORDON, Joseph; ROLLINS, Nathan

(74) FB Rice Pty Ltd

(71) Forma Therapeutics, Inc.

(11) AU-A-2023274204

(21) 2023274204 **(22)** 01.12.2023

(54) Purinones as ubiquitin-specific protease 1 inhibitors

(51) Int. Cl.

C07D 473/28 (2006.01)

A61K 31/522 (2006.01)

A61P 35/00 (2006.01)

(43) 21.12.2023

(62) 2021257988

(72) Alexandre Joseph Buckmelter; Stephanos Ioannidis; Bruce Follows; Gary Gustafson; Minghua Wang; Justin A. Caravella; Zhongguo Wang; Edward L. Fritzen; Jian Lin

(74) Davies Collison Cave Pty Ltd

(71) FOSHAN SHUNDE MIDEA ELECTRICAL HEATING APPLIANCES MANUFACTURING CO., LTD.

(11) AU-A-2023203142

(21) 2023203142 **(22)** 19.05.2023

(54) INTEGRATED COOKER, INTEGRATED COOKER CONTROL METHOD AND INTEGRATED COOKER CONTROL DEVICE

(51) Int. Cl.

F24C 15/00 (2006.01)

A47J 36/00 (2006.01)

F24C 7/08 (2006.01)

H05B 1/00 (2006.01)

H05B 6/06 (2006.01)

H05B 6/12 (2006.01)

(31) 202210619947.5 **(32)** 02.06.22 **(33)** CN

(43) 21.12.2023

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(74) Dark IP

(71) Fowler, D.; Parkhill, C.; Racher-Marr, P.; Szeklinski, D.

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(21) 2023278015 **(22)** 05.12.2023

(54) Interactive sports fan experience

(51) Int. Cl.

A63F 9/24 (2006.01)

A63F 13/30 (2014.01)

G06F 3/0481 (2022.01)

G06F 3/0482 (2013.01)

H04N 21/475 (2011.01)

(43) 21.12.2023

(62) 2017436668

(72) SZEKLINSKI, Deel Charles; RACHER-MARR, Patricia Leigh; FOWLER, David Charles; PARKHILL, Charles Neville

(74) Griffith Hack

(71) Frank's International, LLC

(11) AU-A-2023203528

(21) 2023203528 **(22)** 06.06.2023

(54) Drill Pipe Torque Reducer And Method

(51) Int. Cl.

E21B 17/10 (2006.01)

E21B 17/16 (2006.01)

F16L 21/06 (2006.01)

(31) 17/833,032 **(32)** 06.06.22 **(33)** US

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(72) SMITH, Logan; DAIGLE, Jarret; LUTGRING, Keith; WEBER, Matthew; SERVAES, Luk; SIMAR, Todd; PITRE, Dustin; SELLERS, Paul E.; NEUVILLE, Dax Joseph; WEBRE, Charles M.

(74) WRAYS PTY LTD

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(11) AU-A-2023274169

(21) 2023274169 (22) 30.11.2023

(54) Method and apparatus for efficient delivery and usage of audio messages for high quality of experience

(51) Int. Cl.

G06F 3/16 (2006.01)

H04N 19/167 (2014.01)

H04N 21/218 (2011.01)

H04N 21/442 (2011.01)

H04N 21/4728 (2011.01)

H04N 21/81 (2011.01)

H04N 21/845 (2011.01)

(43) 21.12.2023

(62) 2018348713

(72) Bernd CZELHAN; Harald FUCHS; Adrian MURTAZA; Jan PLOGSTIES

(74) Spruson & Ferguson

(71) GEA Process Engineering A/S

(11) AU-A-2023274116

(21) 2023274116 (22) 29.11.2023

(54) Method and system for drying salts, in particular hydrated salt

(51) Int. Cl.

F26B 21/06 (2006.01)

C01D 15/02 (2006.01)

F26B 3/08 (2006.01)

F26B 21/02 (2006.01)

(43) 21.12.2023

(62) 2022268395

(72) Zahé DAW; Søren FJORDGAARD; Peter Schultz NIELSEN

(74) Davies Collison Cave Pty Ltd

Gilmore, P. see Carruthers, J.

(21) 2022361891

(71) GREEN GRAPHITE TECHNOLOGIES INC.

(11) AU-A-2023274245

(21) 2023274245 (22) 04.12.2023

(54) Process for Purifying and Producing a High Purity Particulate Graphite Material for Use in Lithium-Ion Batteries

(51) Int. Cl.

C01B 32/215 (2017.01)

C01B 32/20 (2017.01)

H01M 4/133 (2010.01)

H01M 4/1393 (2010.01)

(43) 21.12.2023

(62) 2022329894

(72) WATSON, Kevin; VENKATESH, Balaji; DAVIS, Boyd; ROY, Alain

(74) MEYER WEST IP

(71) GREEN GRAPHITE TECHNOLOGIES INC.

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(21) 2023274246 (22) 04.12.2023

(54) Process for Purifying and Producing a High Purity Particulate Graphite Material for Use in Lithium-Ion Batteries

(51) Int. Cl.

C01B 32/215 (2017.01)

C01B 32/20 (2017.01)

H01M 4/133 (2010.01)

H01M 4/1393 (2010.01)

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(74) MEYER WEST IP

(71) Guangdong Oppo Mobile Telecommunications Corp., Ltd.

(11) AU-A-2023278035

(21) 2023278035 (22) 06.12.2023

(54) Wireless communication method, network device and terminal device

(51) Int. Cl.

H04W 72/04 (2023.01)

(43) 21.12.2023

(62) 2017435587

(72) ZHANG, Zhi

(74) Spruson & Ferguson

(71) GYRUS ACMI, INC., d/b/a Olympus Surgical Technologies America

(11) AU-A-2023274234

(21) 2023274234 (22) 04.12.2023

(54) ELECTROSURGICAL SYSTEMS AND METHODS

(51) Int. Cl.

A61B 18/12 (2006.01)

A61B 18/14 (2006.01)

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(62) 2020267650

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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(11) AU-A-2023274193

(21) 2023274193 (22) 30.11.2023

(54) Drone Box

(51) Int. Cl.

B64F 1/22 (2006.01)

B64F 1/20 (2006.01)

E04H 6/44 (2006.01)

H02J 7/00 (2006.01)

(43) 21.12.2023

(62) 2021200446

(72) Taras Wankewycz

(74) Golja Haines & Friend

(71) HONEYWELL INTERNATIONAL INC.

(11) AU-A-2023202918

(21) 2023202918 (22) 10.05.2023

(54) SYSTEM AND APPARATUS FOR THE CONTROL OF BATTERY ENERGY STORAGE SYSTEMS

(51) Int. Cl.

H02J 3/00 (2006.01)

H02J 9/00 (2006.01)

H02J 13/00 (2006.01)

(31) 17/831,221

(32) 02.06.22 (33) US

(43) 21.12.2023

(72) MANIKFAN, Sameer D.; MATH- EW, Santhosh; KN, Dinesh Kumar; TRENCHARD, Andrew J.

(74) FPA Patent Attorneys Pty Ltd

(71) Huawei Technologies Co., Ltd.

(11) AU-A-2023274144

(21) 2023274144 (22) 29.11.2023

(54) RESOURCE INDICATION METHOD, ACCESS POINT, AND STATION

(51) Int. Cl.

H04W 72/04 (2023.01)

(43) 21.12.2023

(62) 2021294097

(72) Mengshi Hu; Jian Yu; Ming Gan

(74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.

(11) AU-A-2023274157

(21) 2023274157 (22) 30.11.2023

(54) COMMUNICATION METHOD AND DEVICE

(51) Int. Cl.

H04W 24/02 (2009.01)

(43) 21.12.2023

(62) 2020266940

(72) Jing Han; Hongli Zhang; Fuqiang Zhang; Xizeng Dai

(74) PHILLIPS ORMONDE FITZPATRICK

(71) Immunicom, Inc.

(11) AU-A-2023274130

(21) 2023274130 (22) 29.11.2023

(54) System and method for removal of immune inhibitors from biological fluids

(51) Int. Cl.

A61M 1/36 (2006.01)

A61M 1/34 (2006.01)

(43) 21.12.2023

(62) 2022203249

(72) Steven JOSEPHS; Matthew ONG; Amir JAFRI; Robert SEGAL; Stephen PRINCE

(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) InfraBuild Wire Pty Limited

(11) AU-A-2023203513

(21) 2023203513 (22) 05.06.2023

(54) Gate

(51) Int. Cl.

E06B 11/02 (2006.01)

A01K 1/00 (2006.01)

(31) 2022901543

(32) 06.06.22 (33) AU

(43) 21.12.2023

(72) O'Toole, Lawrence

(74) Griffith Hack

(71) Institute of Biotechnology, Xinjiang

Academy of Animal Science (China-Australia Sheep Research Centre, Xinjiang Academy of Animal Science)

(11) AU-A-2023203035

(21) 2023203035 (22) 16.05.2023

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 (51) Int. Cl.
C07K 14/49 (2006.01)
A01K 67/027 (2006.01)
C12N 15/18 (2006.01)
C12N 15/867 (2006.01)
 (31) 2022106064815 (32) 31.05.22 (33) CN
 (43) 21.12.2023
 (72) LI, Zhonghui; LI, Wenrong; LIU, Jinrui; LIU, Chenxi; QIU, Meiyu; MA, Yila
 (74) O'Sullivan's Patent and Trade Mark Attorneys Pty Ltd

(71) IRRAS AB
 (11) AU-A-2023274239
 (21) 2023274239 (22) 04.12.2023
 (54) FLUID EXCHANGE SYSTEM AND RELATED METHODS
 (51) Int. Cl.
A61M 1/00 (2006.01)
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 (62) 2018235381
 (72) Panotopoulos, Christos; Boling, Lance; Kovac, Timothy; Xanthopoulos, Kle-anthis
 (74) Madderns Pty Ltd

(71) Ishida Co., Ltd.
 (11) AU-A-2023203395
 (21) 2023203395 (22) 31.05.2023
 (54) PACKAGING APPARATUS
 (51) Int. Cl.
B65B 61/02 (2006.01)
B65B 9/06 (2012.01)
B65B 41/18 (2006.01)
B65B 57/02 (2006.01)
 (31) 2022-089782 (32) 01.06.22 (33) JP
 (43) 21.12.2023
 (72) Sei, Keisuke
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (21) 2023203436 (22) 01.06.2023
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 (51) Int. Cl.
B65B 61/02 (2006.01)
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B65B 57/00 (2006.01)
 (31) 2022-089781 (32) 01.06.22 (33) JP
 2023-035285 08.03.23 JP
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 (72) Sei, Keisuke; Miyamoto, Hideshi
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) J.M. Gillies Agencies Pty Ltd.
 (11) AU-A-2023274192
 (21) 2023274192 (22) 30.11.2023
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 (51) Int. Cl.
A01K 85/01 (2006.01)

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 (62) 2021215158
 (72) John Millyard; Lance Butler
 (74) Acumen Intellectual Property

(71) James L. Orrington, II D.D.S., P.C.
 (11) AU-A-2023270281
 (21) 2023270281 (22) 22.11.2023
 (54) PROTECTIVE APPARATUSES FOR MINIMIZING RISK OF TRANSMISSION OF INFECTION AND ASSOCIATED SYSTEMS
 (51) Int. Cl.
A61B 90/30 (2016.01)
A61B 90/40 (2016.01)
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 (62) 2021275657
 (72) James ORRINGTON; Michael PRINCE; Hyunchul KIM
 (74) Michael Buck IP

(71) Janssen Biotech, Inc.; Stichting VUmc
 (11) AU-A-2023274132
 (21) 2023274132 (22) 29.11.2023
 (54) BCMA/CD3 and GPRDC5D/CD3 bispecific antibodies for use in cancer therapy
 (51) Int. Cl.
A61K 39/395 (2006.01)
A61K 45/06 (2006.01)
C07K 16/28 (2006.01)
C07K 16/30 (2006.01)
A61K 39/00 (2006.01)
 (43) 21.12.2023
 (62) 2019270623
 (72) Homer ADAMS; Francois GAUDET; Kris FRERICHS; Niels VAN DE DONK; Christie VERKLEIJ
 (74) Spruson & Ferguson

(71) Janssen Pharmaceutica NV
 (11) AU-A-2023274117
 (21) 2023274117 (22) 29.11.2023
 (54) Glucagon like peptide 1 (GLP-1) fusion peptide coupled cyclic peptide tyrosine tyrosine conjugates and uses thereof
 (51) Int. Cl.
C07K 14/605 (2006.01)
C07K 14/575 (2006.01)
C07K 19/00 (2006.01)
A61K 38/26 (2006.01)
A61K 47/26 (2006.01)
 (43) 21.12.2023
 (62) 2019259790
 (72) Yue-Mei ZHANG; Raul CAMACHO; Martin A. CASE; Ellen CHI; Suzanne EDAVETAL; Wilson EDWARDS; Lisa NORQUAY; Mark J. WALL; Rui ZHANG; Songmao ZHENG
 (74) Spruson & Ferguson

(71) KABUSHIKI KAISHA TOSHIBA
 (11) AU-A-2023274145
 (21) 2023274145 (22) 29.11.2023
 (54) DECODING DEVICE AND DECODING METHOD
 (51) Int. Cl.

H04N 19/50 (2014.01)
 (43) 21.12.2023
 (62) 2022221509
 (72) Taichiro Shiodera; Akiyuki Tanizawa; Takeshi Chujoh
 (74) Griffith Hack

(71) Katholieke Universiteit Leuven
 (11) AU-A-2023258457
 (21) 2023258457 (22) 03.11.2023
 (54) LIVE-ATTENUATED FLAVIRUSES WITH HETEROLOGOUS ANTIGENS
 (51) Int. Cl.
C07K 14/005 (2006.01)
A61K 39/12 (2006.01)
 (43) 21.12.2023
 (62) 2018344508
 (72) Robbert BOUDEWIJNS; Kai DALLMEIER; Johan NEYTS
 (74) Collison & Co

(71) Kimberly-Clark Worldwide, Inc.
 (11) AU-A-2023274180
 (21) 2023274180 (22) 30.11.2023
 (54) Container having a push-button activated, pop-open lid
 (51) Int. Cl.
B65D 43/26 (2006.01)
A47K 10/42 (2006.01)
B65D 45/02 (2006.01)
B65D 83/08 (2006.01)
 (43) 21.12.2023
 (62) 2017430148
 (72) Bryan Eliot ROLFS; Jeremy Thaddeus GAUGER; Maggie VanderHeiden BERGER; Amanda Ann GANTZ; Heidi Ellen GEHRKE
 (74) Spruson & Ferguson

(71) Krugel, D.
 (11) AU-A-2023270273
 (21) 2023270273 (22) 22.11.2023
 (54) A METHOD AND DEVICE FOR DETECTING A MATERIAL
 (51) Int. Cl.
G01V 9/00 (2006.01)
 (43) 21.12.2023
 (62) 2021266275
 (72) Daniel Krugel
 (74) Churchill Attorneys

(71) Leidos, Inc.
 (11) AU-A-2023274139
 (21) 2023274139 (22) 29.11.2023
 (54) AN IMPROVED LOW-POWER MASS INTERROGATION SYSTEM AND ASSAY FOR DETERMINING VITAMIN D LEVELS
 (51) Int. Cl.
H01J 49/04 (2006.01)
 (43) 21.12.2023
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 (72) Noah Peter CHRISTIAN
 (74) RnB IP Pty Ltd

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(71) Lensar, Inc.
 (11) AU-A-2023274171
 (21) 2023274171 (22) 30.11.2023
 (54) Patient interface device for laser methods and systems
 (51) Int. Cl.
A61B 18/20 (2006.01)
A61F 9/00 (2006.01)
A61F 9/007 (2006.01)
A61F 9/008 (2006.01)
A61F 9/009 (2006.01)
A61F 9/013 (2006.01)
 (43) 21.12.2023
 (62) 2022209256
 (72) E. Valas TEUMA; John McWHIRTER; Michael BROWNELL
 (74) Spruson & Ferguson

(71) Li, Y.
 (11) AU-A-2022203951
 (21) 2022203951 (22) 07.06.2022
 (54) A BIG DATA SALES SYSTEM SHARED BY MANUFACTURERS, DISTRIBUTORS, SUPERMARKETS AND CONSUMERS
 (51) Int. Cl.
G06Q 50/28 (2012.01)
G06Q 10/08 (2012.01)
G06Q 20/10 (2012.01)
G06Q 30/04 (2012.01)
 (43) 21.12.2023
 (72) Li, Yunbo; Li, Xiang
 (74) TIDY TEND GLOBAL PTY LTD

(71) Life Technologies Corporation
 (11) AU-A-2023274253
 (21) 2023274253 (22) 05.12.2023
 (54) Compositions, methods, and kits for synthesis and detection of nucleic acids
 (51) Int. Cl.
C12Q 1/68 (2018.01)
 (43) 21.12.2023
 (62) 2017248219
 (72) Le, Ferrier; Ramamoorthi, Kalpith; Wilde, Joyce; Fantin, Nicole; Lang, Jordan; Dupont, David; Stevens, Junko
 (74) AJ PARK

(71) Marchesan Implementos e Máquinas Agrícolas Tatu S.A.
 (11) AU-A-2023274120
 (21) 2023274120 (22) 29.11.2023
 (54) Agricultural tilting bearing assembly and improved support bracket for connecting the same to agricultural equipment
 (51) Int. Cl.
F16L 3/01 (2006.01)
E02D 27/34 (2006.01)
E04B 1/98 (2006.01)
E04H 9/02 (2006.01)
 (43) 21.12.2023
 (62) 2018236861
 (72) José Luiz Alberto MARCHESAN
 (74) Spruson & Ferguson

(71) MFTB Holdco, Inc.
 (11) AU-A-2023275894

(21) 2023275894 (22) 05.12.2023
 (54) Automated control of image acquisition via use of mobile device user interface
 (51) Int. Cl.
G06F 3/00 (2006.01)
 (43) 21.12.2023
 (62) 2023200413
 (72) DAWSON, Mitchell David; GUAN, Li; OTWELL, Andrew H.; HSIAO, Dun-Yu
 (74) Davies Collison Cave Pty Ltd

(71) Miles, S.
 (11) AU-A-2023201489
 (21) 2023201489 (22) 09.03.2023
 (54) CARGO BARRIERS
 (51) Int. Cl.
B60R 21/02 (2006.01)
B60R 5/04 (2006.01)
B60R 21/06 (2006.01)
B60P 7/08 (2006.01)
B60P 7/135 (2006.01)
B60P 7/16 (2006.01)
B60R 11/00 (2006.01)
 (31) 2022901531 (32) 03.06.22 (33) AU
 (43) 21.12.2023
 (72) Miles, Shane
 (74) Ahearn Fox

(71) Millennium Pharmaceuticals, Inc.
 (11) AU-A-2023274233
 (21) 2023274233 (22) 04.12.2023
 (54) Formulation for anti- α 4 β 7 antibody
 (51) Int. Cl.
A61K 39/395 (2006.01)
 (43) 21.12.2023
 (62) 2021225160
 (72) DILUZIO, Willow; NGUYEN, Phuong M.; VARGA, Csanad M.; PALANIAPPAN, Vaithianathan; BROWN, Jason; FOX, Irving H.; SCHOLZ, Catherine; JENKINS, Helen; ROSARIO, Maria
 (74) Davies Collison Cave Pty Ltd

(71) MOTOCADDY LIMITED
 (11) AU-A-2023258366
 (21) 2023258366 (22) 31.10.2023
 (54) Electric Golf Trolley Battery Pack
 (51) Int. Cl.
B60L 50/50 (2019.01)
A63B 55/60 (2015.01)
B60L 53/80 (2019.01)
B62B 1/04 (2006.01)
 (43) 21.12.2023
 (62) 2022231382
 (72) Paul STRAKER; Cris SIMPSON
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

(71) Mould, D.
 (11) AU-A-2023278028
 (21) 2023278028 (22) 06.12.2023
 (54) System and method for providing patient-specific dosing as a function of mathematical models updated to account for an observed patient response
 (51) Int. Cl.
G01N 33/48 (2006.01)

G06Q 50/00 (2012.01)
 (43) 21.12.2023
 (62) 2021245151
 (72) MOULD, Diane
 (74) Spruson & Ferguson

(71) Nantkwest, Inc.
 (11) AU-A-2022203822
 (21) 2022203822 (22) 02.06.2022
 (54) Elimination of PD-L1-positive malignancies by PD-L1 chimeric antigen receptor-expressing NK cells
 (51) Int. Cl.
C12N 5/0783 (2010.01)
A61P 35/00 (2006.01)
C07K 14/54 (2006.01)
C07K 14/55 (2006.01)
C07K 14/735 (2006.01)
C07K 16/28 (2006.01)
C12N 15/62 (2006.01)
 (43) 21.12.2023
 (61) 2019370094
 (72) KLINGEMANN, Hans G.; BOISSEL, Laurent H.; DANDAPAT, Abhijit
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

National Health Research Institutes see National Taiwan University
 (21) 2023274172

(71) National Taiwan University; Tseng, Y.J.; National Yang Ming Chiao Tung University; National Health Research Institutes
 (11) AU-A-2023274172
 (21) 2023274172 (22) 30.11.2023
 (54) Novel substituted benzimidazole derivatives as D-amino acid oxidase (DAAO) inhibitors
 (51) Int. Cl.
C07D 401/12 (2006.01)
A61K 31/4184 (2006.01)
A61K 31/4439 (2006.01)
C07D 235/04 (2006.01)
 (43) 21.12.2023
 (62) 2021200290
 (72) Yufeng Jane TSENG; Yu-Li LIU; Chung-Ming SUN; Wen-Sung LAI; Chih-Min LIU; Hai-Gwo HWU
 (74) Spruson & Ferguson

National Yang Ming Chiao Tung University see National Taiwan University
 (21) 2023274172

(71) Nippon Shinyaku Co., Ltd.
 (11) AU-A-2023274142
 (21) 2023274142 (22) 29.11.2023
 (54) Crystal
 (51) Int. Cl.
C07D 241/20 (2006.01)
A61K 31/4965 (2006.01)
A61P 1/04 (2006.01)
A61P 7/02 (2006.01)
A61P 9/00 (2006.01)

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A61P 9/08 (2006.01)
A61P 9/10 (2006.01)
A61P 9/12 (2006.01)
A61P 11/00 (2006.01)
A61P 11/06 (2006.01)
A61P 11/14 (2006.01)
A61P 13/12 (2006.01)
A61P 17/02 (2006.01)
A61P 25/00 (2006.01)
A61P 43/00 (2006.01)

(43) 21.12.2023
 (62) 2018338856
 (72) Toshio FUJIWARA
 (74) Spruson & Ferguson

(71) Nokia Solutions and Networks Oy
 (11) AU-A-2023274190
 (21) 2023274190 (22) 30.11.2023
 (54) Method and apparatus for reducing energy consumption

(51) Int. Cl.
H04W 52/02 (2009.01)

(43) 21.12.2023
 (62) 2021282466
 (72) Andrew KILLEN; Alex HIRSBRUNNER; Kirk INGEMUNSON; William WALSH
 (74) Spruson & Ferguson

(71) Nokia Technologies Oy
 (11) AU-A-2023274127
 (21) 2023274127 (22) 29.11.2023
 (54) Sharing HARQ processes by multiple configured grants resources

(51) Int. Cl.
H04L 1/18 (2023.01)
H04W 72/04 (2023.01)
H04W 72/23 (2023.01)

(43) 21.12.2023
 (62) 2019460320
 (72) Chunli WU; Samuli TURPINEN; Benoist SEBIRE; Claudio ROSA; Ping-Heng KUO
 (74) Spruson & Ferguson

(71) OJO Labs, Inc.
 (11) AU-A-2023274160
 (21) 2023274160 (22) 30.11.2023
 (54) MACHINE LEARNING OF RESPONSE SELECTION TO STRUCTURED DATA INPUT

(51) Int. Cl.
G06F 40/20 (2020.01)
G06F 40/166 (2020.01)
G06F 40/40 (2020.01)
G06N 20/00 (2019.01)

(43) 21.12.2023
 (62) 2021204036
 (72) Joshua Howard LEVY
 (74) James & Wells Intellectual Property

(71) Oldcastle Architectural, Inc.
 (11) AU-A-2023278029
 (21) 2023278029 (22) 06.12.2023
 (54) Outdoor structure
 (51) Int. Cl.
A47J 37/07 (2006.01)
A47B 47/04 (2006.01)

A47B 77/02 (2006.01)
E04H 1/12 (2006.01)

(43) 21.12.2023
 (62) 2017345155
 (72) Browning, Leonard
 (74) Davies Collison Cave Pty Ltd

(71) Oxford Biomedica (UK) Limited
 (11) AU-A-2023274115
 (21) 2023274115 (22) 29.11.2023
 (54) Method
 (51) Int. Cl.

A61K 39/00 (2006.01)
A61P 35/00 (2006.01)
C07K 14/725 (2006.01)
C07K 16/30 (2006.01)

(43) 21.12.2023
 (62) 2018235130
 (72) Richard Harrop
 (74) Davies Collison Cave Pty Ltd

(71) PACCAR Inc
 (11) AU-A-2023203199
 (21) 2023203199 (22) 22.05.2023
 (54) EXHAUST AFTER-TREATMENT IN HEAVY-DUTY MOTOR VEHICLES

(51) Int. Cl.
F01N 3/20 (2006.01)
F01N 11/00 (2006.01)
 (31) 17/830,123 (32) 01.06.22 (33) US
 (43) 21.12.2023

(72) Webb, Cynthia Chaffin; Lahti, John Lyle; Swart, Charles Wayne Reinhardt
 (74) Madderns Pty Ltd

Parkhill, C. see Fowler, D.
 (21) 2023278015

(71) Pharmacyclics LLC
 (11) AU-A-2023274176
 (21) 2023274176 (22) 30.11.2023
 (54) Methods of treating and preventing graft versus host disease

(51) Int. Cl.
A61K 31/519 (2006.01)
A61K 31/505 (2006.01)
A61P 37/00 (2006.01)

(43) 21.12.2023
 (62) 2022202686
 (72) David MIKLOS; John C. BYRD; Jason A. DUBOVSKY; Natarajan MUTHUSAMY; Amy Jo JOHNSON
 (74) Spruson & Ferguson

(71) Powell, M.
 (11) AU-A-2022203952
 (21) 2022203952 (22) 07.06.2022
 (54) Access cover lifter and associated method

(51) Int. Cl.
B66F 19/00 (2006.01)
E02D 29/14 (2006.01)

(43) 21.12.2023
 (72) Powell, Matthew
 (74) Warren Wong

Racher-Marr, P. see Fowler, D.
 (21) 2023278015

(71) Raytheon Company
 (11) AU-A-2023202380
 (21) 2023202380 (22) 19.04.2023
 (54) STRUCTURAL JOINT ISOLATOR WITH INTERNAL CAVITIES
 (51) Int. Cl.
F16F 15/02 (2006.01)
F16B 5/02 (2006.01)
F16B 43/00 (2006.01)

(31) 17/832,178 (32) 03.06.22 (33) US
 (43) 21.12.2023
 (72) HENSBERY, KEVIN MICHAEL
 (74) RnB IP Pty Ltd

(71) REBOUNDA HOLDINGS PTY LTD
 (11) AU-A-2022203879
 (21) 2022203879 (22) 03.06.2022
 (54) BALL SPORT PRACTICE DEVICE
 (51) Int. Cl.

A63B 69/00 (2006.01)
A63B 71/02 (2006.01)
A63B 43/00 (2006.01)
A63B 67/10 (2006.01)

(43) 21.12.2023
 (72) MOLNAR, Daniel
 (74) Patent Attorney Services

(71) Regeneron Pharmaceuticals, Inc.
 (11) AU-A-2023274236
 (21) 2023274236 (22) 04.12.2023
 (54) ASSAY FOR DETERMINING POTENTIAL TO SELF-ASSOCIATION OF A PROTEIN USING CONCENTRATION-DEPENDENT SELF-INTERACTION NANOPARTICLE SPECTROSCOPY

(51) Int. Cl.
G01N 33/50 (2006.01)
G01N 33/68 (2006.01)

(43) 21.12.2023
 (62) 2017313150
 (72) Marlow, Michael; Sennett, Michael; Schneider, Michael
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Richardson, R.
 (11) AU-A-2023274188
 (21) 2023274188 (22) 30.11.2023
 (54) Method and Apparatus for Operating a Computer

(51) Int. Cl.
G06F 12/14 (2006.01)
G06F 21/62 (2013.01)

(43) 21.12.2023
 (62) 2018315624
 (72) Ric B. RICHARDSON
 (74) Wallington-Dummer

(71) Rijk Zwaan Zaadteelt en Zaadhandel B.V.
 (11) AU-A-2023274202
 (21) 2023274202 (22) 01.12.2023

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(54) Method for modifying the resistance profile of spinacia oleracea to downy mildew

(51) Int. Cl.
A01H 5/12 (2018.01)
C12N 15/82 (2006.01)
C12Q 1/68 (2018.01)

(43) 21.12.2023
 (62) 2017335215
 (72) Vincent Laurens Adrianus KOCK; Johannes Geert Jan FEITSMA; Raoul Jacobus Johannes Maria FRIJTERS
 (74) Spruson & Ferguson

Sarepta Therapeutics, Inc. see The United States of America, as represented by the Secretary, Dept. of Health and Human Services
 (21) 2023274161

(71) Schneider Electric Systems USA, Inc.

(11) AU-A-2023201388
 (21) 2023201388 (22) 07.03.2023
 (54) LOCATION-BASED LICENSING AND CONFIGURATION
 (51) Int. Cl.
H04W 4/029 (2018.01)
H04W 4/80 (2018.01)
H04W 64/00 (2009.01)
 (31) 17/830,495 (32) 02.06.22 (33) US
 (43) 21.12.2023
 (72) Redmond, James; Neave, Stephen
 (74) RnB IP Pty Ltd

(71) Seminis Vegetable Seeds, Inc.,

(11) AU-A-2023203282
 (21) 2023203282 (22) 25.05.2023
 (54) Bean variety SVGF2123
 (51) Int. Cl.
A01H 6/54 (2018.01)
A01H 5/10 (2018.01)
 (31) 17/831,941 (32) 03.06.22 (33) US
 (43) 21.12.2023
 (72) OPPELAAR, Arie
 (74) Davies Collison Cave Pty Ltd

(71) Shanghai Jinko Green Energy Enterprise Management Co. Ltd.; Zhejiang Jinko Solar Co., Ltd.

(11) AU-A-2023278001
 (21) 2023278001 (22) 05.12.2023
 (54) SOLAR CELL, MANUFACTURING METHOD THEREOF, AND PHOTO-VOLTAIC MODULE
 (51) Int. Cl.
H01L 31/0236 (2006.01)
H01L 31/0216 (2014.01)
H01L 31/046 (2014.01)
H01L 31/0475 (2014.01)
H01L 31/18 (2006.01)
 (43) 21.12.2023
 (62) 2022283784
 (72) YU, Kun; LIU, Changming; ZHANG, Xinyu
 (74) Franke Hyland Pty Ltd

Shanxi Yulongxiang Agricultural Development Co Ltd see YLX Science & Technology (AU) Pty Ltd

(21) 2023203451

 (71) Siemens Healthcare Diagnostics Inc.
 (11) AU-A-2023274201
 (21) 2023274201 (22) 01.12.2023
 (54) Biological sample analyzer with forced air convection plenum
 (51) Int. Cl.
C12Q 1/68 (2018.01)
C12M 1/00 (2006.01)
G01N 35/00 (2006.01)
 (43) 21.12.2023
 (62) 2020247732
 (72) Aman ULLAH; Andrew DUNBAR; George ZANTOS
 (74) Spruson & Ferguson

(71) Simpson Strong-Tie A/S

(11) AU-A-2023274184
 (21) 2023274184 (22) 30.11.2023
 (54) Column shoe manufactured from one piece of sheet metal
 (51) Int. Cl.
E04B 1/41 (2006.01)
E04B 1/26 (2006.01)
E04H 12/22 (2006.01)
E04B 1/00 (2006.01)
E04B 1/24 (2006.01)
 (43) 21.12.2023
 (62) 2020251195
 (72) Jacob HANSEN; Henrik FRE-
 DERIKSEN; Kristian KLEIN
 (74) Spruson & Ferguson

Stichting VUmc see Janssen Biotech, Inc.

(21) 2023274132

 (71) Sunray Scientific, LLC
 (11) AU-A-2023274124
 (21) 2023274124 (22) 29.11.2023
 (54) SYSTEM AND METHOD FOR IMPROVED ELECTRONIC COMPONENT INTERCONNECTIONS
 (51) Int. Cl.
H05K 3/32 (2006.01)
H05K 3/00 (2006.01)
H05K 13/00 (2006.01)
 (43) 21.12.2023
 (62) 2018368939
 (72) Andrew STEMMERMANN
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

Szeklinski, D. see Fowler, D.

(21) 2023278015

 (71) Telefonaktiebolaget LM Ericsson (publ); AJ PARK
 (11) AU-A-2023274158
 (21) 2023274158 (22) 30.11.2023
 (54) SIDELINK CONFIGURATION IN DUAL CONNECTIVITY

(51) Int. Cl.
H04W 76/14 (2018.01)
H04W 72/04 (2023.01)
H04W 76/15 (2018.01)

(43) 21.12.2023
 (62) 2020386789
 (72) Osman Nuri Can YILMAZ; Antonino ORSINO
 (74) AJ PARK

(71) Temple University - of the Commonwealth System of Higher Education

(11) AU-A-2023274183
 (21) 2023274183 (22) 30.11.2023
 (54) Compositions and methods for treatment of insulin resistance
 (51) Int. Cl.
A61K 31/13 (2006.01)
A61K 31/19 (2006.01)
 (43) 21.12.2023
 (62) 2017324510
 (72) Salim MERALI; Carlos A. BARRERO; Wayne E. CHILDERS; George C. MORTON
 (74) Spruson & Ferguson

(71) Tencent America LLC

(11) AU-A-2023274242
 (21) 2023274242 (22) 04.12.2023
 (54) Conversion of Decoded Block Vector for Intra Picture Block Compensation
 (51) Int. Cl.
H04N 19/105 (2014.01)
H04N 19/513 (2014.01)
 (43) 21.12.2023
 (62) 2020294605
 (72) XU, Xiaozhong; LI, Xiang; LIU, Shan
 (74) Golja Haines & Friend

(71) Tencent America LLC

(11) AU-A-2023278010
 (21) 2023278010 (22) 05.12.2023
 (54) Method and apparatus for video coding
 (51) Int. Cl.
H04N 19/119 (2014.01)
H04N 19/176 (2014.01)
H04N 19/96 (2014.01)
 (43) 21.12.2023
 (62) 2020245322
 (72) ZHAO, Xin; LI, Xiang; LIU, Shan
 (74) Davies Collison Cave Pty Ltd

(71) Terry, D.

(11) AU-A-2023203401
 (21) 2023203401 (22) 31.05.2023
 (54) A modular decking and ceiling form-work system
 (51) Int. Cl.
E04G 11/38 (2006.01)
E04B 5/38 (2006.01)
E04C 5/16 (2006.01)
E04G 17/00 (2006.01)
E04B 9/18 (2006.01)
 (31) 2022901505 (32) 02.06.22 (33) AU
 (43) 21.12.2023
 (72) Terry, Dylan
 (74) Patentec Patent Attorneys

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(71) The Boeing Company
 (11) AU-A-2023278034
 (21) 2023278034 (22) 06.12.2023
 (54) Resilient enhancement of trajectory-based operations in aviation
 (51) Int. Cl.
G08G 5/00 (2006.01)
 (43) 21.12.2023
 (62) 2018200257
 (72) DE OLIVEIRA, Italo Romani; FREGNANI, Jose A.
 (74) Spruson & Ferguson

The Brigham and Women's Hospital, Inc. see University of Pittsburgh- of the Commonwealth System of Higher Education
 (21) 2022203624

(71) The Procter & Gamble Company
 (11) AU-A-2023274114
 (21) 2023274114 (22) 29.11.2023
 (54) ORAL CARE COMPOSITIONS COMPRISING TIN IONS
 (51) Int. Cl.
A61Q 11/00 (2006.01)
A61K 8/19 (2006.01)
A61K 8/34 (2006.01)
A61K 8/60 (2006.01)
 (43) 21.12.2023
 (62) 2020301334
 (72) Shikhar GUPTA; Guannan WANG; Ross STRAND
 (74) AJ PARK

The Progeria Research Foundation see The United States of America, as represented by the Secretary, Dept. of Health and Human Services
 (21) 2023274161

(71) The Regents of the University of California
 (11) AU-A-2023274097
 (21) 2023274097 (22) 28.11.2023
 (54) Conditionally active heterodimeric polypeptides and methods of use thereof
 (51) Int. Cl.
C07K 14/00 (2006.01)
A61K 38/00 (2006.01)
A61K 38/16 (2006.01)
C07K 14/435 (2006.01)
C07K 14/705 (2006.01)
 (43) 21.12.2023
 (62) 2021215287
 (72) John W TAUNTON; Wendell A LIM; Chia-Yung WU
 (74) FB Rice Pty Ltd

(71) The United States of America, as represented by the Secretary, Dept. of Health and Human Services; The Progeria Research Foundation; University of Maryland; Sarepta Therapeutics, Inc.
 (11) AU-A-2023274161

(21) 2023274161 (22) 30.11.2023
 (54) Oligonucleotide analogues targeting human LMNA
 (51) Int. Cl.
C12N 15/113 (2010.01)
A61K 31/712 (2006.01)
C07H 21/00 (2006.01)
 (43) 21.12.2023
 (62) 2017258642
 (72) Michael R. Erdos; Kan Cao; Ryszard Kole; Richard Keith Bestwick; Francis S. Collins; Leslie B. Gordon
 (74) Davies Collison Cave Pty Ltd

(71) Toppan Inc.
 (11) AU-A-2023274167
 (21) 2023274167 (22) 30.11.2023
 (54) Decorative sheet, decorative board, method for manufacturing transfer master plate, and method for manufacturing decorative sheet
 (51) Int. Cl.
B32B 27/00 (2006.01)
B29C 33/38 (2006.01)
B29C 59/02 (2006.01)
B29C 59/04 (2006.01)
B29C 59/16 (2006.01)
B32B 3/14 (2006.01)
B32B 3/30 (2006.01)
C08J 7/043 (2020.01)
 (43) 21.12.2023
 (62) 2021245418
 (72) Nonoka OSHIMA
 (74) Griffith Hack

Tseng, Y.J. see National Taiwan University
 (21) 2023274172

University of Maryland see The United States of America, as represented by the Secretary, Dept. of Health and Human Services
 (21) 2023274161

(71) University of Pittsburgh- of the Commonwealth System of Higher Education; The Brigham and Women's Hospital, Inc.
 (11) AU-A-2022203624
 (21) 2022203624 (22) 27.05.2022
 (54) COMPOSITIONS AND METHODS FOR TREATING PULMONARY VASCULAR DISEASE
 (51) Int. Cl.
A61K 31/501 (2006.01)
A61K 31/409 (2006.01)
A61K 31/435 (2006.01)
A61P 9/10 (2006.01)
A61P 9/12 (2006.01)
A61P 11/00 (2006.01)
 (43) 21.12.2023
 (72) Chan, Stephen Y.; Bertero, Thomas
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) University of South Australia; Central Adelaide Local Health Network Inc
 (11) AU-A-2023274135
 (21) 2023274135 (22) 29.11.2023
 (54) MODULATORS OF 14-3-3 FUNCTIONALITY AND USES THEREOF
 (51) Int. Cl.
A61K 31/40 (2006.01)
A61K 9/70 (2006.01)
A61K 31/435 (2006.01)
A61P 17/00 (2006.01)
A61P 35/00 (2006.01)
 (43) 21.12.2023
 (62) 2021209168
 (72) Joanna May Woodcock; Angel Lopez; Stuart Maxwell Pitson; Michael Susithiran Samuel; Carl Coolen
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Versicolor Technologies, LLC
 (11) AU-A-2023278002
 (21) 2023278002 (22) 05.12.2023
 (54) Malassezin and analogs thereof as skin brightening agents
 (51) Int. Cl.
C07D 487/04 (2006.01)
A61K 8/49 (2006.01)
C07D 209/12 (2006.01)
 (43) 21.12.2023
 (62) 2021232745
 (72) Einziger, Michael; Simpson, Ann
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) VOLVO AUTONOMOUS SOLUTIONS AB
 (11) AU-A-2023202672
 (21) 2023202672 (22) 01.05.2023
 (54) A METHOD FOR DETERMINING AN ERROR WITH ANCHOR POINT DETECTION FOR AN AT LEAST PARTLY AUTONOMOUS VEHICLE
 (51) Int. Cl.
G08G 1/01 (2006.01)
B60W 30/00 (2006.01)
G01C 21/16 (2006.01)
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G05D 1/12 (2006.01)
G08G 1/00 (2006.01)
 (31) 22176733.8 (32) 01.06.22 (33) EP
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 (72) HAGVALL, Linus; BERGQUIST, Stefan
 (74) Griffith Hack

(71) Wassef, M.
 (11) AU-A-2023278033
 (21) 2023278033 (22) 06.12.2023
 (54) Endosteal horizontally placed dental implant system and method
 (51) Int. Cl.
A61C 8/00 (2006.01)
A61C 1/08 (2006.01)
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 (43) 21.12.2023
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 (72) Wassef, Michael
 (74) FPA Patent Attorneys Pty Ltd

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 (54) Blank and carton
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 B65D 71/20 (2006.01)
 B65D 71/32 (2006.01)
 B65D 71/34 (2006.01)
 (43) 21.12.2023
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 (72) Ikeda, Tamio
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 G05D 1/04 (2006.01)
 B64C 39/02 (2006.01)
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 (72) DRESSEL, Louis Kenneth; JULIAN, Kyle David
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(71) Xero Limited
 (11) AU-A-2023274173
 (21) 2023274173 (22) 30.11.2023
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 (51) Int. Cl.
 G06Q 40/00 (2023.01)
 G06F 16/00 (2019.01)
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 (62) 2021286434
 (72) Rodney Kenneth DRURY; Matthew John VICKERS
 (74) FB Rice Pty Ltd

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 (54) A POLYSACCHARIDE-RICH EXTRACT FROM ASTRAGALUS SHIITAKE AND PREPARATION METHOD THEREOF
 (51) Int. Cl.
 A23L 31/00 (2016.01)
 A23L 33/125 (2016.01)
 A61K 31/7004 (2006.01)
 A61K 31/715 (2006.01)
 A61K 36/07 (2006.01)
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 A61P 35/00 (2006.01)
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 (43) 21.12.2023
 (72) Tamang, Bunu; Liang, Qi; Zhang, Wei
 (74) Madderns Pty Ltd

(71) YourBio Health, Inc.
 (11) AU-A-2023274147
 (21) 2023274147 (22) 29.11.2023

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 (51) Int. Cl.
 A61B 5/15 (2006.01)
 A61B 5/145 (2006.01)
 A61B 5/151 (2006.01)
 A61B 10/00 (2006.01)
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 (72) Donald E. Chickering III; Kimberly J. Miller; Javier Gonzalez-Zugasti; A. David Boccuti; Mark Michelman; Ramin Haghgoobie; Shawn Davis; Scott James; Maisam Dadgar; Greg Fisher; Richard L. Miller; Christopher J. Morse
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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2023203528	Frank's International, LLC	2023274193	H3 Dynamics Holdings Pte. Ltd.
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 (21) 2023100094 (22) 17.11.2023
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 (51) Int. Cl.
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 A47L 3/02 (2006.01)
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 (45) 21.12.2023
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 (72) Smith, Mark Nicholas; Raminez, Francisco
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

(71) Pitt, K.
 (11) AU-A-2023100097
 (21) 2023100097 (22) 30.11.2023
 (54) HEAVY VEHICLE DRUM BRAKE IMPROVEMENTS
 (51) Int. Cl.
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 (45) 21.12.2023
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 (72) Pitt, Ken
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(71) Schneider Electric (Australia) Pty Limited
 (11) AU-A-2021107683
 (21) 2021107683 (22) 19.08.2021
 (54) SWITCH ASSEMBLY, SYSTEM AND METHOD
 (51) Int. Cl.
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 (45) 21.12.2023
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E04G 21 /-

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F16D 51 /-

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F16D 65 /-

2023100097

H01H 23 /-

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- . (*) Title not in Roman characters
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<p>(71) 1GLOBE HEALTH INSTITUTE LLC (11) AU-A-2022285661 (21) 2022285661 (22) 31.05.2022 (54) ASYMMETRIC SHORT DUPLEX DNA AS A NOVEL GENE SILENCING TECHNOLOGY AND USE THEREOF (51) Int. Cl. C12N 15/113 (2010.01) (87) WO2022/256351 (31) 63/195,008 (32) 29.05.21 (33) US (43) 08.12.2022 (72) LI, Chiang, J.; SUN, Xiangao; LI, Charles (74) Spruson & Ferguson</p>	<p>C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) (87) WO2023/011299 (31) 202110879406.1 (32) 02.08.21 (33) CN 202210416287.0 20.04.22 CN (43) 09.02.2023 (72) YANG, Fei; YANG, Shuqun; YU, Hongping; CHEN, Zhui; XU, Yaochang (74) Spruson & Ferguson</p>	<p>Ban Xiong; LIM, Chek Shik; STUNKEL, Walter (74) Davies Collison Cave Pty Ltd</p>
<p>(71) 1GLOBE HEALTH INSTITUTE LLC (11) AU-A-2022286925 (21) 2022286925 (22) 31.05.2022 (54) SHORT DUPLEX DNA AS A NOVEL GENE SILENCING TECHNOLOGY AND USE THEREOF (51) Int. Cl. C12N 15/113 (2010.01) (87) WO2022/256354 (31) 63/195,010 (32) 29.05.21 (33) US (43) 08.12.2022 (72) LI, Chiang J.; SUN, Xiangao; LI, Charles (74) Spruson & Ferguson</p>	<p>(71) AB INITIO TECHNOLOGY LLC (11) AU-A-2022293332 (21) 2022293332 (22) 07.06.2022 (54) DATA GOVERNANCE SYSTEMS AND METHODS (51) Int. Cl. G06F 16/215 (2019.01) (87) WO2022/265884 (31) 63/210,951 (32) 15.06.21 (33) US 63/295,693 31.12.21 US (43) 22.12.2022 (72) FRANQUIN, Pierre; KRIGELMAN, Ken; SCHON, Andy; VOSHELL, Justin (74) RnB IP Pty Ltd</p>	<p>(71) AGTECNIC PTY LTD (11) AU-A-2022278859 (21) 2022278859 (22) 26.04.2022 (54) CONTROLLING SPRAY HEADS (51) Int. Cl. G01J 3/46 (2006.01) G01N 21/25 (2006.01) G06T 7/11 (2017.01) G06T 7/90 (2017.01) G06V 10/26 (2022.01) (87) WO2022/241504 (31) 2021901471 (32) 17.05.21 (33) AU (43) 24.11.2022 (72) ROBERTS, Peter James; JOHNSON, Robert James; FRASER, Matthew James (74) James & Wells Intellectual Property</p>
<p>(71) 3M INNOVATIVE PROPERTIES COMPANY (11) AU-A-2022280098 (21) 2022280098 (22) 27.05.2022 (54) ACOUSTIC INSERT FOR EARPIECE (51) Int. Cl. H04R 1/10 (2006.01) H04R 1/28 (2006.01) H04R 25/00 (2006.01) (87) WO2022/251681 (31) 63/194,652 (32) 28.05.21 (33) US 63/227,681 30.07.21 US (43) 01.12.2022 (72) BERNIER, Antoine; BRAUN, Katrin; DAOUST, Bernard (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) ADAPTIVE PHAGE THERAPEUTICS, INC. (11) AU-A-2022290516 (21) 2022290516 (22) 07.06.2022 (54) IMPROVED ANTI-BIOFILM ASSAY METHODS (51) Int. Cl. C12Q 1/18 (2006.01) G01N 33/58 (2006.01) (87) WO2022/261112 (31) 63/208,173 (32) 08.06.21 (33) US (43) 15.12.2022 (72) CHAUDHRY, Waqas (74) Madderns Pty Ltd</p>	<p>(71) AIRBORNE ECS, LLC (11) AU-A-2022277678 (21) 2022277678 (22) 19.05.2022 (54) REFRIGERANT HEAT EXCHANGER WITH INTEGRAL MULTIPASS AND FLOW DISTRIBUTION TECHNOLOGY (51) Int. Cl. F28D 1/053 (2006.01) F28F 1/32 (2006.01) F28F 9/00 (2006.01) F28F 9/02 (2006.01) (87) WO2022/246038 (31) 63/190,843 (32) 20.05.21 (33) US (43) 24.11.2022 (72) SORENSEN, Cole; KERLIN, Andrew (74) PIPERS</p>
<p>(71) ABBISKO THERAPEUTICS CO., LTD. (11) AU-A-2022321449 (21) 2022321449 (22) 28.07.2022 (54) PYRIMIDINE-4,6-DIAMINE DERIVATIVE, A PREPARATION METHOD THEREFOR, AND A PHARMACEUTICAL APPLICATION THEREOF (51) Int. Cl. C07D 401/12 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01)</p>	<p>(71) AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH (11) AU-A-2022277056 (21) 2022277056 (22) 20.05.2022 (54) ANTI-CEACAM5/6 ANTIGEN-BINDING MOLECULES AND METHODS OF TREATMENT THEREOF (51) Int. Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/08 (2006.01) G01N 33/577 (2006.01) (87) WO2022/245299 (31) 10202105379W (32) 21.05.21 (33) SG (43) 24.11.2022 (72) CHOO, Boon Hwa Andre; GOH, Ting Hwee; DING, Mei Yee; LEUNG, Hau Wan; DORFMUELLER, Simone; TAN,</p>	<p>(71) AIRM CONSULTING LTD. (11) AU-A-2022270773 (21) 2022270773 (22) 02.05.2022 (54) FIELD MONITORING AND DATA COLLECTION SYSTEMS AND METHODS FOR A PRECISION AGRICULTURE SYSTEM (51) Int. Cl. G01D 21/00 (2006.01) A01G 7/00 (2006.01) A01G 9/20 (2006.01) G01S 17/86 (2020.01) G06Q 50/02 (2012.01) (87) WO2022/232914 (31) 3117042 (32) 03.05.21 (33) CA 17/306,202 03.05.21 US 17/551,306 15.12.21 US (43) 10.11.2022 (72) PORTH, Christopher Brock; PORTH, Lysa M.; TAHMASEBIAN, Ehsan;</p>

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G01S 17/86 (2020.01)
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 17306,202 03.05.21 US
(43) 10.11.2022
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C22C 21/10 (2006.01)
C22F 1/00 (2006.01)
C22F 1/053 (2006.01)
F41H 5/00 (2006.01)
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C07K 16/18 (2006.01)
A61K 39/00 (2006.01)
A61P 17/00 (2006.01)
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(72) MASLANIK, William; STILWELL, Reginald; BROWN, Jeffrey; FLOREN, Michael
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(21) 2022299492 **(22)** 19.06.2022
(54) INTRATUMORAL ALPHA-EMITTER RADIATION IN COMBINATION WITH IMMUNE CHECKPOINT REGULATORS
(51) Int. Cl.
A61N 5/10 (2006.01)
A61K 9/00 (2006.01)
A61K 39/395 (2006.01)
A61K 51/02 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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- (71)** ALPHATEC SPINE, INC.
(11) AU-A-2022270162
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A61B 17/02 (2006.01)
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(74) Dentons Patent Attorneys Australasia Limited
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(54) CONTAINER CLOSURE
(51) Int. Cl.
B65D 51/00 (2006.01)
B65D 55/16 (2006.01)
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(74) Spruson & Ferguson
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H02M 1/08 (2006.01)
G06F 1/04 (2006.01)
H02M 7/537 (2006.01)
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(54) NEW FORMULATIONS AND USES
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A61K 47/10 (2017.01)
A61K 47/26 (2006.01)
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(72) HALLDIN, Magnus; HAGLUND, Johanna; LASSEN, Bo; SJÖSTRÖM, Eva Maria; GRIPENHALL, Annika; SCHIPPER, Nicolaas; SEGERDAHL, Märta
(74) WRAYS PTY LTD
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B65D 30/08 (2006.01)
B31B 70/64 (2017.01)
B65D 30/10 (2006.01)
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 (72) COOLICH, Melissa, Kanzelberger;
 HARTFORD, Kylie, C.
 (74) Origin Patent and Trade Mark Attorneys

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 (21) 2022290866 (22) 10.06.2022
 (54) SYSTEMS AND METHODS FOR PRO-
 CESSING AMMONIA
 (51) Int. Cl.
C01B 3/04 (2006.01)
B01J 35/00 (2006.01)
C01C 1/00 (2006.01)
C01C 1/02 (2006.01)
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 (72) SHELUDKO, Boris; CHOI, Jongwon;
 JO, Young Suk; KIM, Hyunho; CHA,
 Junyoung
 (74) Pizeys Patent and Trade Mark Attor-
 neys Pty Ltd

(71) AMOSENSE CO., LTD.
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 (21) 2022276981 (22) 18.05.2022
 (54) ASSET TRACKING SYSTEM AND
 METHOD
 (51) Int. Cl.
G01S 5/02 (2010.01)
G01S 5/00 (2006.01)
G01S 13/02 (2006.01)
G01S 13/76 (2006.01)
G01S 19/24 (2010.01)
H04W 4/029 (2018.01)
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 (72) LEE, Sangyeoll
 (74) FB Rice Pty Ltd

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 STEPPED RADIAL-FORCE PROFILE
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A61F 2/915 (2013.01)
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 (72) RAAZ, Uwe; NISSEL, Thomas;
 SCHELLINGER, Isabel Nahal
 (74) FPA Patent Attorneys Pty Ltd

(71) ANHEART THERAPEUTICS (HANG-
 ZHOU) CO., LTD.
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 (54) CRYSTALLINE FORMS OF 3-{4-
 [(2R)-2-AMINOPROPOXY]PHENYL}-

N-[(1R)- 1-(3-FLUOROPHENYL)
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C07D 487/04 (2006.01)
A61K 31/5025 (2006.01)
A61P 35/00 (2006.01)
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 (72) ZHOU, Fenger; CHEN, Doug
 DAGANG; LI, Ping; LU, Jingwen; XUE,
 Jun
 (74) Davies Collison Cave Pty Ltd

(71) ANKH LIFE SCIENCES LIMITED
 (11) AU-A-2022289887
 (21) 2022289887 (22) 10.06.2022
 (54) LIPID CRYSTALLINE COMPOSITIONS
 WITH ENHANCED STABILITY FOR
 TOPICAL DELIVERY OF ACTIVE
 AGENT COMBINATIONS
 (51) Int. Cl.
A61K 8/00 (2006.01)
A61K 8/02 (2006.01)
A61K 8/30 (2006.01)
A61K 8/18 (2006.01)
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 (72) ZAID, Gene H.; LINDAL, Åke Richard;
 NILSSON, Anette Susanne; WEST,
 Cameron E.; PRONIUK, Stefan;
 MOORE, Robert Preston
 (74) KINGS PATENT & TRADE MARKS AT-
 TORNEYS PTY LTD

(71) ANSELL LIMITED
 (11) AU-A-2022294637
 (21) 2022294637 (22) 15.06.2022
 (54) WEARABLE HAND MOTION AND
 FORCE TRACKING AND FEEDBACK
 SYSTEM
 (51) Int. Cl.
G06F 3/01 (2006.01)
 (87) WO2022/261704
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 Akilan Yaminah; PITTMAN, Steph-
 en Dalton; BRANHAM, Elisabeth
 Anne; MARTINEZ, Ronald; TOW-
 FEEQ, Itmenon; NEDUMPULLY
 GOVINDAN, Praveen; KULKARNI,
 Shridar Chandrashekar
 (74) GLMR

(71) ANTAG THERAPEUTICS APS
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 (21) 2022289247 (22) 10.06.2022
 (54) TREATMENT OF OBESITY AND
 OBESITY-RELATED DISORDERS
 (51) Int. Cl.
A61K 38/22 (2006.01)
A61K 38/26 (2006.01)
A61P 3/00 (2006.01)
A61P 3/04 (2006.01)
A61P 3/06 (2006.01)
A61P 3/10 (2006.01)
A61P 5/50 (2006.01)

A61P 9/12 (2006.01)
C07K 14/435 (2006.01)
C07K 14/575 (2006.01)
C07K 14/605 (2006.01)
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 (31) 21178712.2 (32) 10.06.21 (33) EP
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 (72) HOVARD SPARRE-ULRICH, Alexan-
 der; ROSENKILDE, Mette Marie
 (74) FB Rice Pty Ltd

(71) ARDAN PHARMA S.A.S.; UNIVER-
 SIDAD DE LA REPÚBLICA ORIENTAL
 DEL URUGUAY; INSTITUT PASTEUR
 DE MONTEVIDEO
 (11) AU-A-2022286742
 (21) 2022286742 (22) 02.06.2022
 (54) MEANS AND METHODS FOR IM-
 PROVING ANTI-TUMORAL EFFICACY
 OF TRANSMEMBRANE CHANNEL
 PROTEIN BLOCKERS
 (51) Int. Cl.
A61K 9/14 (2006.01)
A61K 9/51 (2006.01)
A61K 31/485 (2006.01)
A61P 35/00 (2006.01)
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 (31) 63/196,260 (32) 03.06.21 (33) US
 (43) 08.12.2022
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 fael; SEGOVIA, Mercedes; PARDO
 MINETTI, Helena; MOMBRÚ, Álvaro;
 VICTORIA, Sabina; CLEMENTE ES-
 TABLE, Analia Castro; VARELA VEGA,
 María Inés
 (74) WRAYS PTY LTD

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 GIE - ARFITEC
 (11) AU-A-2022306497
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 (54) OPEN VERTICAL REFRIGERATED
 DISPLAY CASE COMPRISING IM-
 PROVED NEBULIZING MEANS
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A47F 3/00 (2006.01)
A47F 3/04 (2006.01)
 (87) WO2023/281376
 (31) 2107279 (32) 06.07.21 (33) FR
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 topher; GSCHWIND, Michel
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(71) ARIZONA BOARD OF REGENTS ON
 BEHALF OF ARIZONA STATE UNI-
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 (54) FAST CHARGING QUASI-SOLID
 STATE LI-METAL BATTERIES EN-
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H01M 4/02 (2006.01)
H01M 4/04 (2006.01)
H01M 10/052 (2010.01)
H01M 10/0525 (2010.01)
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(74) FB Rice Pty Ltd
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(51) Int. Cl.
C07K 14/70 (2006.01)
G01N 33/48 (2006.01)
G01N 33/68 (2006.01)
- (87) WO2022/246089
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(74) Pearce IP Pty Ltd
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- (71) ATOSSA THERAPEUTICS, INC.
(11) AU-A-2022308712
(21) 2022308712 (22) 08.07.2022
(54) COMPOSITIONS AND METHODS TO INCREASE CORONAVIRUS IMMUNE RESPONSE
(51) Int. Cl.
A61K 39/215 (2006.01)
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(72) QUAY, Steven C.
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
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- (71) AUTOLUS LIMITED
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A61P 35/00 (2006.01)
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C07K 14/725 (2006.01)
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(72) KINNA, Alexander; FERRARI, Mathieu; ONUOHA, Shimobi; PULÉ, Martin; ILCA, Tudor; DATTA, Preeti; WU, Philip
(74) Pairman IP
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PRODUCING REPORT DOCUMENT ABOUT THEM, AND CREATING GAL-
LERY WITH DATA SUBSTANTIATING THE REPORT DOCUMENT FOR
VIEWING BY THIRD PARTY
(51) Int. Cl.
G06F 9/50 (2006.01)
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(31) 63/210,528 (32) 15.06.21 (33) US
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C07D 401/14 (2006.01)
A61K 31/53 (2006.01)
A61K 31/5377 (2006.01)
A61P 35/00 (2006.01)
C07D 403/04 (2006.01)
C07D 403/14 (2006.01)
C07D 405/14 (2006.01)
C07D 417/14 (2006.01)
C07D 471/04 (2006.01)
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C07D 263/32 (2006.01)
A61K 31/421 (2006.01)
A61P 11/06 (2006.01)
A61P 17/00 (2006.01)
A61P 37/08 (2006.01)
C07D 413/12 (2006.01)
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B64C 11/00 (2006.01)
B63G 8/08 (2006.01)
B63H 1/18 (2006.01)
B63H 1/28 (2006.01)
B63H 5/14 (2006.01)
B64C 11/18 (2006.01)
B64C 23/06 (2006.01)
F15D 1/02 (2006.01)
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METHOD AND SYSTEM
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E21B 29/00 (2006.01)
E21B 33/16 (2006.01)
E21B 34/14 (2006.01)
E21B 43/26 (2006.01)
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METHOD AND SYSTEM
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G16B 40/20 (2019.01)
G06N 3/08 (2023.01)
G16B 30/10 (2019.01)
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A01H 1/04 (2006.01)
G06Q 50/02 (2012.01)
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C07C 1/207 (2006.01)
C07C 7/04 (2006.01)
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A61P 3/00 (2006.01)
A61P 13/00 (2006.01)
A61P 15/00 (2006.01)
C07D 231/56 (2006.01)
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A61B 5/15 (2006.01)
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A61M 5/142 (2006.01)
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A61M 5/20 (2006.01)
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A61M 5/315 (2006.01)
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C07D 403/12 (2006.01)
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G06Q 10/08 (2023.01)
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A61K 39/00 (2006.01)
C07K 14/725 (2006.01)
C07K 16/28 (2006.01)
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C12N 5/0775 (2010.01)
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C09D 167/02 (2006.01)
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A61N 1/05 (2006.01)
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C07F 3/00 (2006.01)
A61K 49/12 (2006.01)
C07D 403/12 (2006.01)
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G01M 17/02 (2006.01)
B60C 19/00 (2006.01)
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A61B 18/22 (2006.01)
G02B 6/00 (2006.01)
G02B 6/44 (2006.01)
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(54) CSP SYSTEM, SENSOR ARRANGEMENT, METHOD AND USE
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F24S 23/71 (2018.01)
F24S 23/70 (2018.01)
F24S 23/74 (2018.01)
F24S 23/79 (2018.01)
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B60B 3/14 (2006.01)
B60B 3/16 (2006.01)
B60B 5/02 (2006.01)
F16B 43/02 (2006.01)
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B60B 1/14 (2006.01)
B29C 70/30 (2006.01)
B60B 5/02 (2006.01)
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A61M 39/10 (2006.01)
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 (54) TUBING ANCHOR
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C02F 11/06 (2006.01)
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C07K 14/50 (2006.01)
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H02H 7/22 (2006.01)
H02J 3/40 (2006.01)
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A61L 2/00 (2006.01)
A61L 2/14 (2006.01)
A61L 2/20 (2006.01)
A61L 2/24 (2006.01)
A61L 9/00 (2006.01)
A61L 9/015 (2006.01)
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C07K 7/54 (2006.01)
A61K 38/06 (2006.01)

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(51) Int. Cl.
C12N 15/113 (2010.01)
C12N 9/06 (2006.01)
C12N 15/77 (2006.01)
C12P 13/06 (2006.01)
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C22B 23/02 (2006.01)
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F27D 17/00 (2006.01)
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G02B 5/00 (2006.01)
H01L 29/66 (2006.01)
H01P 7/10 (2006.01)
H01Q 1/36 (2006.01)
H01Q 15/00 (2006.01)
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H03J 1/00 (2006.01)
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B60C 11/03 (2006.01)
B60C 11/04 (2006.01)
B60C 11/11 (2006.01)
B60C 11/12 (2006.01)
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B26D 1/157 (2006.01)
B21D 17/04 (2006.01)
B23D 21/00 (2006.01)
B23D 21/04 (2006.01)
B23D 21/08 (2006.01)
B26D 3/16 (2006.01)
B26D 7/00 (2006.01)
B26D 7/06 (2006.01)
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E21B 49/08 (2006.01)
G01N 31/16 (2006.01)
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C01B 32/50 (2017.01)
B01D 53/62 (2006.01)
B01D 53/86 (2006.01)
C01B 3/24 (2006.01)
C04B 2/12 (2006.01)
F27B 1/00 (2006.01)
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A61L 9/22 (2006.01)
F24F 1/0071 (2019.01)
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A61K 31/352 (2006.01)
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A61K 36/185 (2006.01)
A61K 36/53 (2006.01)
A61K 36/55 (2006.01)
A61P 11/00 (2006.01)
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A61K 9/00 (2006.01)
A61K 31/05 (2006.01)
A61K 47/10 (2017.01)
A61K 47/18 (2017.01)
A61K 47/32 (2006.01)
A61K 47/36 (2006.01)
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B01J 20/24 (2006.01)
B01D 15/36 (2006.01)
B01J 20/26 (2006.01)
B01J 20/28 (2006.01)
B01J 20/283 (2006.01)
B01J 20/284 (2006.01)
B01J 20/285 (2006.01)
B01J 20/32 (2006.01)
B01J 41/07 (2017.01)
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A61K 9/50 (2006.01)
A61K 47/69 (2017.01)
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E05F 1/12 (2006.01)
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A62B 7/00 (2006.01)
A61M 16/00 (2006.01)
A61M 16/10 (2006.01)
A62B 18/00 (2006.01)
A62B 23/02 (2006.01)
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C12N 15/85 (2006.01)
C12N 5/07 (2010.01)
C12N 15/113 (2010.01)
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G10L 13/08 (2013.01)
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C25B 1/26 (2006.01)
C02F 1/42 (2023.01)
C02F 1/461 (2023.01)
C25B 9/00 (2021.01)
C25B 9/13 (2021.01)
C25B 13/08 (2006.01)

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A61B 17/16 (2006.01)
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(51) Int. Cl.
A61B 10/02 (2006.01)
A61B 10/00 (2006.01)
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E05D 13/00 (2006.01)
A47K 3/34 (2006.01)
E05D 15/06 (2006.01)
E06B 3/46 (2006.01)
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C12P 19/34 (2006.01)
C12N 9/12 (2006.01)
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A61B 17/04 (2006.01)
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C02F 1/28 (2023.01)
C02F 1/54 (2023.01)
C02F 1/66 (2023.01)
C02F 1/74 (2023.01)
C02F 11/121 (2019.01)
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F24S 25/60 (2018.01)
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H02S 20/23 (2014.01)
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A61M 25/00 (2006.01)
A61M 25/01 (2006.01)
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(54) EXTRACTION DEVICE AND COMBINATION APPARATUS WITH FLEXIBLE COVER ELEMENT
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F24C 15/20 (2006.01)
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(51) Int. Cl.
C02F 3/10 (2023.01)
B01D 39/04 (2006.01)
C02F 1/28 (2023.01)
C02F 3/04 (2023.01)
C02F 3/12 (2023.01)
C02F 101/16 (2006.01)
C02F 103/00 (2006.01)
(87) WO2023/275310
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A61F 2/40 (2006.01)
A61F 2/30 (2006.01)
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 (72) GUTIERREZ, Sergio; IANNOTTI, Joseph P.; FRANKLE, Mark A.; WILLIAMS, Gerald; EDWARDS, Thomas Bradley; LEVY, Jonathan; ABOUD, Joseph A.
 (74) Origin Patent and Trade Mark Attorneys
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C07D 213/04 (2006.01)
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C25B 1/04 (2021.01)
B01D 53/047 (2006.01)
C01B 3/50 (2006.01)
C21B 3/00 (2006.01)
C25B 1/55 (2021.01)
C25B 9/17 (2021.01)
C25B 9/40 (2021.01)
C25B 11/037 (2021.01)
C25B 11/052 (2021.01)
C25B 11/067 (2021.01)
C25B 11/075 (2021.01)
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C25B 11/087 (2021.01)
G21B 3/00 (2006.01)
H01M 8/0656 (2016.01)
H01M 8/1018 (2016.01)
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 (72) OLSSON, Martin Andreas
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H01M 8/0202 (2016.01)
H01M 8/0286 (2016.01)
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C08L 89/00 (2006.01)
B65D 65/00 (2006.01)
C08L 29/04 (2006.01)
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 (74) FPA Patent Attorneys Pty Ltd
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C25B 1/04 (2021.01)
C25B 9/05 (2021.01)
C25B 9/60 (2021.01)
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A01N 37/02 (2006.01)
A01N 59/00 (2006.01)
A01P 1/00 (2006.01)
A23B 9/26 (2006.01)
A23L 3/3499 (2006.01)
A23L 3/3508 (2006.01)
C12C 1/02 (2006.01)
C12C 1/027 (2006.01)
C12C 1/067 (2006.01)
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B01D 1/06 (2006.01)
B01D 3/00 (2006.01)
F01D 1/02 (2006.01)
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(51) Int. Cl.
A23B 9/26 (2006.01)
A23L 3/3499 (2006.01)
A23L 3/3508 (2006.01)
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C25B 1/04 (2021.01)
C25B 1/50 (2021.01)
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C07K 16/24 (2006.01)
A61P 35/00 (2006.01)
A61P 37/00 (2006.01)
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B65G 47/51 (2006.01)
B65B 35/32 (2006.01)
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A61H 31/00 (2006.01)
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G08B 3/10 (2006.01)
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G06T 19/00 (2011.01)
G06F 3/01 (2006.01)
G06Q 30/06 (2023.01)
H04L 67/1097 (2022.01)
H04L 67/131 (2022.01)
H04N 21/81 (2011.01)
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(72) MEYER, Jackson Hank; RUDBERG, Fredrik
(74) Pointon Partners Pty Ltd
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(21) 2022276184 (22) 19.05.2022
(54) HEADGEAR FOR A PATIENT INTERFACE
(51) Int. Cl.
A61M 16/06 (2006.01)
B29C 65/00 (2006.01)
B29C 65/04 (2006.01)
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 (51) Int. Cl.
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 (54) METHODS AND YEAST CELLS FOR PRODUCTION OF DESATURATED COMPOUNDS
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C12N 9/02 (2006.01)
C12N 15/81 (2006.01)
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 (54) DAIRY PRODUCT AND PROCESS
 (51) Int. Cl.
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A23C 9/123 (2006.01)
A23C 9/142 (2006.01)
A23C 17/00 (2006.01)
A23C 19/00 (2006.01)
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E04H 17/16 (2006.01)
E04G 5/14 (2006.01)
E04H 17/00 (2006.01)
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G01C 21/10 (2006.01)
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G05D 1/02 (2020.01)
B60K 31/00 (2006.01)
G07C 5/00 (2006.01)
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A61K 51/04 (2006.01)
C07D 257/00 (2006.01)
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A61N 1/36 (2006.01)
A61B 18/14 (2006.01)
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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 (74) Armour IP
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 (51) Int. Cl.
B01J 20/10 (2006.01)
B01J 20/28 (2006.01)
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C01B 33/18 (2006.01)
H01M 4/136 (2010.01)
H01M 4/58 (2010.01)
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H01M 4/66 (2006.01)
H01M 10/052 (2010.01)
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 (72) MASCHMEYER, Thomas; CARPENTER, Jacob
 (74) Spruson & Ferguson
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- (71) GENENTECH, INC.; F. HOFFMANN-LA ROCHE AG
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 (21) 2022302170 (22) 01.07.2022
 (54) METHODS AND COMPOSITIONS FOR TREATING CANCER
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C07K 16/28 (2006.01)
A61K 39/00 (2006.01)
A61P 31/00 (2006.01)
A61P 35/00 (2006.01)
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 (72) GOEL, Nikhil
 (74) Patentec Patent Attorneys
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A63B 102/32 (2015.01)
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A61K 39/018 (2006.01)
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A61K 47/69 (2017.01)
A61P 31/04 (2006.01)
A61P 33/02 (2006.01)
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C09K 8/04 (2006.01)
G01N 5/00 (2006.01)
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A61C 13/00 (2006.01)
A61C 13/083 (2006.01)
A61K 6/833 (2020.01)
C03C 3/097 (2006.01)
C03C 4/00 (2006.01)
C03C 10/00 (2006.01)
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H02J 7/34 (2006.01)
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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H05H 1/04 (2006.01)
G21B 1/05 (2006.01)
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 (74) FPA Patent Attorneys Pty Ltd

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 G06Q 10/04 (2023.01)
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 A61L 29/14 (2006.01)
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 C12N 15/113 (2010.01)
 A61K 31/7105 (2006.01)
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 A61P 31/22 (2006.01)
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 (51) Int. Cl.
 H04N 19/13 (2014.01)
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 C21B 13/00 (2006.01)
 F27B 1/00 (2006.01)
 F27D 19/00 (2006.01)
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 B01D 29/23 (2006.01)
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 C06B 47/14 (2006.01)
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F16K 31/06 (2006.01)
F16K 31/42 (2006.01)
F16K 37/00 (2006.01)
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F15B 15/06 (2006.01)
F16H 21/54 (2006.01)
F16H 25/18 (2006.01)
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 (54) FLOW CELLS AND METHODS FOR MAKING THE SAME
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B01J 19/00 (2006.01)
G03F 7/00 (2006.01)
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C12Q 1/6806 (2018.01)
C12N 15/10 (2006.01)
C40B 40/08 (2006.01)
C40B 50/14 (2006.01)
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C12N 5/16 (2006.01)
C12N 15/00 (2006.01)
C12P 21/08 (2006.01)
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C07K 16/30 (2006.01)
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 (51) Int. Cl.
A61P 25/18 (2006.01)
C12Q 1/68 (2018.01)
G01N 33/50 (2006.01)
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 (72) NICULESCU, Alexander Bogdan
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (54) HEAT EXCHANGER WITH VAPOUR EXTRACTORS
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B01D 1/06 (2006.01)
F28D 3/00 (2006.01)
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JOINT STOCK CO.,LTD.
(11) AU-A-2023266904
(21) 2023266904 (22) 29.03.2023
(54) BRAKING APPARATUS FOR UN-
MANNED MINING DUMP TRUCK AND
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B60T 15/02 (2006.01)
B60T 7/06 (2006.01)
B60T 13/74 (2006.01)
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ZHANG, Yaobin; LI, Laiping; WANG,
Fengquan; LIU, Qiang; ZHANG, Bo;
MA, Chao; CHEN, Junyu; DI, Zhihong
(74) Madderns Pty Ltd
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THEREOF
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C07K 16/28 (2006.01)
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A61K 47/68 (2017.01)
A61P 35/00 (2006.01)
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(72) QIU, Junzhuang; WANG, Zhensheng;
SUN, Kai; CHEN, Junyong; SUN, Jian;
LI, Zhongliang; XIA, Mingde; CHEN,
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ATES, ALKALI BICARBONATES, AND/
OR ALKALINE EARTH SULFATES
(51) Int. Cl.
C01F 11/18 (2006.01)
C01F 5/24 (2006.01)
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(31) 63/188,275 (32) 13.05.21 (33) US
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(72) NOVEK, Ethan J.
(74) WRAYS PTY LTD
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(54) FC MUTANT WITH ALTERED BIND-
ING TO FC RECEPTOR
(51) Int. Cl.
C07K 16/00 (2006.01)
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C12N 9/16 (2006.01)
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(31) 202110495363.7 (32) 07.05.21 (33) CN
202210436873.1 25.04.22 CN
(43) 10.11.2022
(72) FU, Fenggen; ZHOU, Shuaixiang; WU,
Zhihai
(74) WRAYS PTY LTD
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INC.
(11) AU-A-2022296328
(21) 2022296328 (22) 01.03.2022
(54) SYSTEMS, METHODS, AND MEDIA
FOR GENERATING DOCUMENTS
CONTAINING CONFIDENTIAL IN-
FORMATION
(51) Int. Cl.
G06F 21/62 (2013.01)
G06F 16/955 (2019.01)
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A61K 31/519 (2006.01)
A61P 35/00 (2006.01)
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C07D 209/04 (2006.01)
A61K 31/404 (2006.01)
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F25C 1/25 (2018.01)
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H01M 50/673 (2021.01)
A62C 3/16 (2006.01)
A62C 35/68 (2006.01)
H01M 50/20 (2021.01)
H01M 50/24 (2021.01)
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A01K 3/00 (2006.01)
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E06B 11/02 (2006.01)
G08C 17/02 (2006.01)
H04W 4/80 (2018.01)
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A61K 9/48 (2006.01)
A61K 31/33 (2006.01)
A61K 31/435 (2006.01)
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A61K 36/81 (2006.01)
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 (51) Int. Cl.
 A23J 3/24 (2006.01)
 A23J 3/00 (2006.01)
 A23J 3/22 (2006.01)
 A23L 5/00 (2016.01)
 A23L 5/49 (2016.01)
 A23L 13/00 (2016.01)
 A23L 33/10 (2016.01)
 A23L 33/17 (2016.01)
 A23P 10/00 (2016.01)
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- (74) Davies Collison Cave Pty Ltd
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C08F 2/22 (2006.01)
C08F 2/44 (2006.01)
C08F 6/10 (2006.01)
C08J 3/205 (2006.01)
C08J 9/28 (2006.01)
C08K 3/04 (2006.01)
C08L 25/06 (2006.01)
C08L 33/08 (2006.01)
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A61L 15/58 (2006.01)
A61F 13/02 (2006.01)
A61K 9/70 (2006.01)
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A24B 13/00 (2006.01)
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A61K 9/00 (2006.01)
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A24D 1/20 (2020.01)
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A24D 1/20 (2020.01)
A24C 5/01 (2020.01)
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A24F 40/465 (2020.01)
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A61K 31/711 (2006.01)
A61K 31/712 (2006.01)
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A61P 21/04 (2006.01)
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A61B 5/00 (2006.01)
A61B 5/0531 (2021.01)
A61B 5/145 (2006.01)
G16H 10/40 (2018.01)
G16H 40/63 (2018.01)
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C07F 5/00 (2006.01)
A61K 47/68 (2017.01)
A61K 103/40 (2006.01)
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A61M 5/142 (2006.01)
F04B 43/00 (2006.01)
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B05B 12/12 (2006.01)
B05B 1/18 (2006.01)
B05B 12/10 (2006.01)
E03C 1/05 (2006.01)
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B65G 1/04 (2006.01)
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G06T 17/05 (2011.01)
A61B 6/03 (2006.01)
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- (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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A61C 7/36 (2006.01)
A61F 5/56 (2006.01)
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A61B 18/12 (2006.01)
A61B 18/00 (2006.01)
A61B 18/04 (2006.01)
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F42B 3/11 (2006.01)
B32B 5/02 (2006.01)
B32B 27/00 (2006.01)
B32B 27/04 (2006.01)
E21C 39/00 (2006.01)
F42D 1/00 (2006.01)
F42D 99/00 (2009.01)
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(71) PALATOV GROUP LLC; PALATOV, D.
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 (54) APPARATUS AND METHODS FOR MANAGEMENT OF CONTROLLED OBJECTS
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G06F 21/33 (2013.01)
G06F 21/62 (2013.01)
H04L 9/32 (2006.01)
H04W 12/069 (2021.01)
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 (51) Int. Cl.
H04W 76/27 (2018.01)
H04W 52/02 (2009.01)
H04W 76/28 (2018.01)
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 (21) 2021448386 (22) 02.06.2021
 (54) METHODS, APPARATUSES, AND SYSTEMS FOR USER ACCOUNT-AFFILIATED PAYMENT AND BILLING, CONSOLIDATED DIGITAL BILLER-PAYMENT WALLETS
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G06Q 20/00 (2012.01)
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G10L 21/00 (2013.01)
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G06F 9/50 (2006.01)
G06F 21/62 (2013.01)
H04L 9/32 (2006.01)
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 (74) FPA Patent Attorneys Pty Ltd

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 (51) Int. Cl.
A01M 1/02 (2006.01)
A01M 1/10 (2006.01)
A01M 1/14 (2006.01)
A01M 1/20 (2006.01)
A01M 23/16 (2006.01)
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A01M 31/00 (2006.01)
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 (54) ANTI CANINE CD20 ANTIBODIES
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C07K 16/28 (2006.01)
A61K 39/00 (2006.01)
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 (54) ORAL ANTIBIOTIC FORMULATION
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A61K 31/545 (2006.01)
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A61P 31/04 (2006.01)
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 (72) BOSTON, Gray
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd

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A61P 35/00 (2006.01)
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 (54) COMPOSITIONS AND USE THEREOF FOR RE-ESTABLISHING INTESTINAL PERMEABILITY AND/OR PREVENTING OR COMBATTING MULTIFACTORIAL DISEASES
 (51) Int. Cl.
A61K 31/20 (2006.01)
A23L 33/12 (2016.01)
A61K 31/185 (2006.01)
A61K 31/19 (2006.01)
A61K 31/197 (2006.01)
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A61K 31/375 (2006.01)
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 (72) ZAMBAUX, Jean-Pascal
 (74) Spruson & Ferguson

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 (74) Michael Buck IP
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A62C 2/06 (2006.01)
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 (74) PHILLIPS ORMONDE FITZPATRICK
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G06Q 30/06 (2023.01)
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C12N 1/20 (2006.01)
C12P 1/04 (2006.01)
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A61K 38/46 (2006.01)
C12N 15/90 (2006.01)
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A61K 31/33 (2006.01)
A61K 31/435 (2006.01)
A61K 31/4725 (2006.01)
A61L 31/00 (2006.01)
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A62C 3/02 (2006.01)
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A62C 27/00 (2006.01)
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F03B 3/04 (2006.01)
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A61K 31/713 (2006.01)
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A43B 3/34 (2022.01)
A61B 5/00 (2006.01)
A61B 5/024 (2006.01)
A61B 5/103 (2006.01)
G01L 1/14 (2006.01)
G01L 1/20 (2006.01)
G01L 5/161 (2020.01)
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G06F 3/0488 (2022.01)
B60R 16/023 (2006.01)
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B60S 5/00 (2006.01)
B60W 50/08 (2020.01)
G07C 5/08 (2006.01)
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C07D 487/14 (2006.01)
A61K 31/5025 (2006.01)
A61P 35/00 (2006.01)
C07D 421/14 (2006.01)
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B64C 39/02 (2023.01)
F41F 3/00 (2006.01)
F41G 7/22 (2006.01)
F41H 11/02 (2006.01)
F41J 2/00 (2006.01)
F41J 9/08 (2006.01)
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C02F 1/28 (2023.01)
C02F 3/04 (2023.01)
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H01M 10/04 (2006.01)
H01M 10/0525 (2010.01)
H01M 10/0583 (2010.01)
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C12Q 1/68 (2018.01)
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H01Q 1/24 (2006.01)
G06F 1/16 (2006.01)
G09F 9/30 (2006.01)
H01Q 1/38 (2006.01)
H04M 1/02 (2006.01)
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C01B 11/02 (2006.01)
A01N 59/08 (2006.01)
A01P 1/00 (2006.01)
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C02F 1/50 (2023.01)
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E04B 1/348 (2006.01)
E04H 1/00 (2006.01)
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F16B 33/00 (2006.01)
F16B 37/08 (2006.01)
F16B 37/14 (2006.01)
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E21B 47/13 (2012.01)
G01V 3/22 (2006.01)
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A61B 5/375 (2021.01)
A61B 5/024 (2006.01)
A61B 5/369 (2021.01)
A61B 5/372 (2021.01)
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A61N 5/06 (2006.01)
A61B 5/0533 (2021.01)
A61B 5/0535 (2021.01)
A61B 5/318 (2021.01)
A61B 5/369 (2021.01)
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G08B 13/196 (2006.01)
G06V 10/82 (2022.01)
G06V 20/00 (2022.01)
G06V 20/52 (2022.01)
G06V 20/62 (2022.01)
G06V 40/16 (2022.01)
G07B 15/02 (2011.01)
G07C 1/30 (2006.01)
G08G 1/017 (2006.01)
G08G 1/14 (2006.01)
H04L 67/12 (2022.01)
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(54) PHARMACEUTICAL SALTS OF A CHK-1 INHIBITOR

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C07D 401/14 (2006.01)
A61P 35/00 (2006.01)
C07C 55/08 (2006.01)
C07C 57/145 (2006.01)
C07C 309/29 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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PHARMAENGINE, INC.
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(54) PREPARATION OF A CHK1 INHIBIT-
OR COMPOUND
(51) Int. Cl.
C07D 211/38 (2006.01)
C07D 211/52 (2006.01)
C07D 401/10 (2006.01)
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A61K 31/501 (2006.01)
A61K 31/4439 (2006.01)
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A61K 31/53 (2006.01)
A61P 1/00 (2006.01)
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C01B 3/16 (2006.01)
C01B 3/50 (2006.01)
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A61M 25/00 (2006.01)
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C09J 133/06 (2006.01)
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G06T 7/00 (2017.01)
G06V 20/40 (2022.01)
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C07C 50/06 (2006.01)
C07C 50/26 (2006.01)
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A61G 7/012 (2006.01)
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A47L 1/02 (2006.01)
A47L 11/38 (2006.01)
B66C 23/20 (2006.01)
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H01M 50/24 (2021.01)
H01M 10/635 (2014.01)
H01M 10/658 (2014.01)
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C07K 14/47 (2006.01)
A61K 38/17 (2006.01)
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C12N 15/12 (2006.01)
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C12G 3/04 (2019.01)
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C12N 5/077 (2010.01)
A23L 13/00 (2016.01)
A61K 35/545 (2015.01)
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A01N 43/40 (2006.01)
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C12N 15/63 (2006.01)
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H01M 10/44 (2006.01)
G01R 31/382 (2019.01)
H01M 10/617 (2014.01)
H02J 7/04 (2006.01)
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A61K 31/4523 (2006.01)
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A61P 35/04 (2006.01)
A61K 31/505 (2006.01)
A61K 31/519 (2006.01)
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E02F 9/28 (2006.01)
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A61B 5/00 (2006.01)
G06N 3/00 (2023.01)
G06N 20/00 (2019.01)
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A23L 2/38 (2021.01)
A23C 11/10 (2021.01)
A23J 1/00 (2006.01)
A23J 1/12 (2006.01)
A23L 2/52 (2006.01)
C12C 1/18 (2006.01)
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C12C 11/00 (2006.01)
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A61P 25/28 (2006.01)
C12N 15/11 (2006.01)
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C07D 491/052 (2006.01)
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A61P 31/12 (2006.01)
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(51) Int. Cl.
A61K 48/00 (2006.01)
C12N 7/00 (2006.01)
C12N 15/09 (2006.01)
C12N 15/12 (2006.01)
C12N 15/63 (2006.01)
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A61K 35/17 (2015.01)
A61P 35/00 (2006.01)
C07K 14/47 (2006.01)
G01N 33/574 (2006.01)
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B32B 3/12 (2006.01)
G01L 1/14 (2006.01)
G01L 1/24 (2006.01)
G01L 5/00 (2006.01)
G01R 33/07 (2006.01)
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G01N 33/543 (2006.01)
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A01K 29/00 (2006.01)
A01M 23/00 (2006.01)
A01M 31/00 (2006.01)
G06F 1/3203 (2019.01)
G06V 10/70 (2022.01)
G06V 40/10 (2022.01)
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F01D 1/00 (2006.01)
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A61K 38/17 (2006.01)
A61K 38/19 (2006.01)
A61P 25/02 (2006.01)
C07C 53/124 (2006.01)
C07K 14/47 (2006.01)
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C12N 5/0784 (2010.01)
A61K 35/15 (2015.01)
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H01M 10/613 (2014.01)
H01M 10/6568 (2014.01)
H01M 50/30 (2021.01)
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B01F 23/40 (2022.01)
B01F 35/22 (2022.01)
B01F 35/71 (2022.01)
B01F 35/88 (2022.01)
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B01F 23/45 (2022.01)
B01F 23/40 (2022.01)
B01F 33/501 (2022.01)
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F24H 1/08 (2022.01)
F24H 6/00 (2022.01)
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F24H 15/345 (2022.01)
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F24F 13/02 (2006.01)
F16L 37/02 (2006.01)
F16L 37/04 (2006.01)
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H01L 21/02 (2006.01)
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H05K 7/20 (2006.01)
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A63B 43/00 (2006.01)
A63B 57/00 (2015.01)
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A63B 69/36 (2006.01)
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G16H 50/20 (2018.01)
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A61K 47/00 (2006.01)
C07C 237/10 (2006.01)
C07D 295/185 (2006.01)
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C08L 1/12 (2006.01)
B32B 27/08 (2006.01)
B32B 27/10 (2006.01)
B32B 27/12 (2006.01)
B32B 27/36 (2006.01)
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C08G 63/08 (2006.01)
C08J 5/18 (2006.01)
C08L 1/14 (2006.01)
C08L 67/04 (2006.01)
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A61K 31/713 (2006.01)
C07K 14/54 (2006.01)
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 (54) STABILIZED WIND TURBINES, SYS-
 TEMS FOR STABILIZING WIND TUR-
 BINES, AND METHODS FOR IN-
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F03D 13/10 (2016.01)
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 Ladegaard; NEUBAUER, Jesper
 Lykkegaard; SKOV, Christian
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 WELLS, M.J.R.; TEITELBAUM, N.
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G06F 40/279 (2020.01)
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G06Q 10/06 (2023.01)
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 ATION OF A MEDICAMENT FOR
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C12N 5/078 (2010.01)
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D04H 3/045 (2012.01)
B29C 64/118 (2017.01)
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B33Y 10/00 (2015.01)
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 (74) FPA Patent Attorneys Pty Ltd

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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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2021444255	MERCK PATENT GMBH; CANCER RESEARCH TECHNOLOGY LTD.	2022270165	TYCO FIRE & SECURITY GMBH
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2022282069	CELON PHARMA S.A.; UNIWERSYTET WROCLAWSKI	2022286958	BEIGENE SWITZERLAND GMBH
2022282142	GLOBE (JIANGSU) CO., LTD.	2022286961	BAKER HUGHES OILFIELD OPERATIONS LLC
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2022283359	GEORGIA TECH RESEARCH CORPORATION	2022288053	TAHO PHARMACEUTICALS LTD.
2022283585	SPARINGVISION; RUHR-UNIVERSITÄT BOCHUM; INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE); CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -; SORBONNE UNIVERSITE	2022288057	NOVOZYMES A/S
2022283806	GLAXOSMITHKLINE CONSUMER HEALTHCARE HOLDINGS (US) LLC	2022288088	SPIRAIR, INC.
2022283829	BAKER HUGHES OILFIELD OPERATIONS LLC	2022288230	SUNNYBROOK RESEARCH INSTITUTE; THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO
2022283836	TALON ENGINEERING SDN. BHD.	2022288311	HEMERION THERAPEUTICS
2022283883	AZCURIS CO., LTD.	2022288370	BASF SE; COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
2022283964	PRIME MEDICINE, INC.	2022288540	TURNBULL, L.
2022283968	HELION ENERGY, INC.	2022288543	WINTER CHAT PTY LTD; NOVAK, A.; WELLS, M.J.R.; TEITELBAUM, N.
2022283984	REPAIRIFY, INC.	2022288569	RPL HOLDINGS LTD
2022284001	EPIGEN BIOSCIENCES, INC.	2022288713	THE GENERAL HOSPITAL CORPORATION; DANAFARBER CANCER INSTITUTE, INC.
2022284031	ILLUMINA, INC.	2022288749	BIONTECH CELL & GENE THERAPIES GMBH
2022284108	HUAWEI TECHNOLOGIES CO., LTD.	2022288942	DECIBEL THERAPEUTICS, INC.
2022284215	ANGIOLUTIONS GMBH	2022288967	ORICA INTERNATIONAL PTE LTD
2022284275	NOPTRACK	2022289003	CYTODIGM, INC.
2022284311	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM); CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; UNI-	2022289008	PRONIRAS CORPORATION
		2022289031	ALLOSOURCE
		2022289038	THE UNIVERSITY OF NEWCASTLE; THE UNIVERSITY OF QUEENSLAND
		2022289211	MYOCENE
		2022289235	BASF SE
		2022289247	ANTAG THERAPEUTICS APS
		2022289339	IG DESIGN GROUP B.V.
		2022289479	FORTRESS IRON, LP
		2022289695	GENOUD, D.
		2022289697	MEDIMMUNE LIMITED
		2022289720	EPICENTRX, INC.

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2022289731	SHIFAMED HOLDINGS, LLC	2022293998	KOB GMBH
2022289735	ENCORE MEDICAL, L.P. (D/B/A/ DJO SURGICAL)	2022294063	KEMIWATT; PILI
2022289869	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA; POSEIDON INNOVATION, LLC	2022294190	XAP THERAPEUTICS LIMITED
2022289876	BASF AGRICULTURAL SOLUTIONS SEED US LLC	2022294198	PETMEDIX LTD
2022289887	ANKH LIFE SCIENCES LIMITED	2022294217	NICOVENTURES TRADING LIMITED
2022290004	UNIVERSITÉ CATHOLIQUE DE LOUVAIN	2022294221	NICOVENTURES TRADING LIMITED
2022290042	NEWSOUTH INNOVATIONS PTY LIMITED	2022294242	LEONARDO S.P.A
2022290296	LOVEVERY, INC.	2022294329	HITACHI, LTD.
2022290516	ADAPTIVE PHAGE THERAPEUTICS, INC.	2022294637	ANSELL LIMITED
2022290521	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	2022294711	TRANSFERT PLUS, LIMITED PARTNERSHIP
2022290544	INNOLAKE BIOPHARMA (HANGZHOU) CO., LTD.	2022294971	LOVEVERY, INC.
2022290565	INTELLIA THERAPEUTICS, INC.	2022295067	F. HOFFMANN-LA ROCHE AG
2022290635	DNA SCRIPT	2022295767	C. R. BARD, INC.
2022290651	RENSON SUNPROTECTION-SCREENS	2022295810	EDWARDS LIFESCIENCES CORPORATION
2022290814	INVENTIO AG	2022296011	TRISTEL PLC
2022290841	BECTON, DICKINSON AND COMPANY	2022296328	INSTITUTIONAL CAPITAL NETWORK, INC.
2022290865	THE SCRIPPS RESEARCH INSTITUTE; CHATTERJEE, A.K.; CHEN, J.J.; NAKATH, E.; RAHIMI, A.; GUPTA, A.K.; GRABOVYI, G.; WILSON, K.; GHORAI, S.; NAZARIAN, A.; PEDROARENA, J.; MAZUMDAR, W.; WEISS, F.; SONG, L.; BAKOWSKI, M.A.; RIVA, L.; WOLFF, K.; MCNAMARA, C.W.; ROGERS, T.F.; MALVIN, J.; LI, S.; JOSEPH, S.; WOODS, A.; LIU, Y.L.; OKWOR, N.	2022296523	INTELLIA THERAPEUTICS, INC.
2022290866	AMOGY INC.	2022296633	SANGAMO THERAPEUTICS, INC.
2022291015	NATCO PHARMA LIMITED	2022296667	METSO FINLAND OY
2022291094	SUMMIT BUILDING WASH TECHNOLOGIES LIMITED	2022296882	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2022291127	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	2022297009	THYLATION R&D PTY LTD
2022291142	STEALTH BIOTHERAPEUTICS INC.	2022297590	MACGREGOR SWEDEN AB
2022291150	FUSION PHARMACEUTICALS INC.	2022297769	TURUN YLIOPISTO
2022291191	HUAWEI TECHNOLOGIES CO., LTD.	2022297976	SCHENCK PROCESS AUSTRALIA PTY LIMITED
2022291244	EPINOVATECH AB	2022298028	NIPPON SHINYAKU CO., LTD.; NATIONAL CENTER OF NEUROLOGY AND PSYCHIATRY
2022291258	POLE D'ACTIVITÉS SPORTIVES CULTURELLES ET TOURISTIQUES	2022298081	GOODMAN CO., LTD.
2022291332	AVELOS THERAPEUTICS INC.	2022298204	HYBRIT DEVELOPMENT AB
2022291742	GENERATION BIO CO.	2022298220	JFE STEEL CORPORATION
2022291750	F.R. DRAKE COMPANY	2022298625	MIDREX TECHNOLOGIES, INC.
2022291759	MASSACHUSETTS INSTITUTE OF TECHNOLOGY; THE BROAD INSTITUTE, INC.; PRESIDENT AND FELLOWS OF HARVARD COLLEGE	2022299134	ALSTOM HOLDINGS
2022291781	QUIDEL CORPORATION	2022299196	LONZA GREENWOOD LLC
2022291863	INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION; THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS	2022299255	MÖLNLYCKE HEALTH CARE AB
2022291869	FEDERAL SIGNAL CORPORATION	2022299465	TRISTEL PLC
2022291920	ZHEJIANG HISUN PHARMACEUTICAL CO., LTD.	2022299474	VERSAMEB AG
2022292055	SIKA TECHNOLOGY AG	2022299492	ALPHA TAU MEDICAL LTD.
2022292159	AUTOLUS LIMITED	2022299652	STELLENBOSCH UNIVERSITY
2022292193	MEDICAL MICROINSTRUMENTS, INC.	2022300010	HYBRIT DEVELOPMENT AB
2022292194	MEDICAL MICROINSTRUMENTS, INC.	2022300453	MITSUBISHI HEAVY INDUSTRIES, LTD.
2022292197	MEDIPHAGE BIOCEUTICALS, INC.	2022300456	SUNTORY HOLDINGS LIMITED
2022292632	KALIVIR IMMUNOTHERAPEUTICS, INC.	2022300757	WILKINSON, J.
2022292659	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2022301041	XTEND AI INC.
2022292959	NICOVENTURES TRADING LIMITED	2022301044	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM
2022292997	MEDICAL MICROINSTRUMENTS, INC.	2022301375	CYTIVA BIOPROCESS R&D AB
2022293011	LYCORED LTD.	2022301521	FMC AGRICULTURAL SOLUTIONS A/S
2022293063	SUMITOMO ELECTRIC INDUSTRIES, LTD.	2022301595	BOSTIK SA
2022293197	TECHNOLOGICAL RESOURCES PTY. LIMITED	2022301674	SYNGENTA CROP PROTECTION AG
2022293199	CARBON REVOLUTION LIMITED	2022301788	BAE SYSTEMS PLC
2022293332	AB INITIO TECHNOLOGY LLC	2022301879	DIAS ALUMINIUM PRODUCTS PTY LTD
2022293386	PRIMROSE BIO, INC.	2022302000	CAREFUSION 303, INC.
2022293404	UTILIDATA, INC.	2022302150	PAYPAL, INC.
2022293643	ALEXION PHARMACEUTICALS, INC.	2022302170	GENENTECH, INC.; F. HOFFMANN-LA ROCHE AG
2022293663	KUMQUAT BIOSCIENCES INC.	2022302263	VESTAS WIND SYSTEMS A/S
2022293875	AVALARA, INC.	2022302390	RECKITT BENCKISER LLC
2022293890	CONOCOPHILLIPS COMPANY	2022302784	BYONDIS B.V.
2022293965	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	2022302792	SUBMERSED TECHNOLOGIES PP1 AB
		2022302841	LG CHEM, LTD.
		2022302967	NXSTAGE MEDICAL, INC.
		2022303128	SCHLUMBERGER TECHNOLOGY B.V.
		2022303131	CAREFUSION 303, INC.
		2022303368	REGENERON PHARMACEUTICALS, INC.
		2022304246	ELOY WATER SA
		2022304581	GRAPHIC PACKAGING INTERNATIONAL, LLC
		2022304712	LONZA GREENWOOD LLC
		2022304737	MUNDIAL INC.
		2022304739	GAME CHANGER TECHNOLOGIES INC.
		2022304788	HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.
		2022304838	VESTAS WIND SYSTEMS A/S
		2022304906	ENERGIZER BRANDS, LLC

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2022304909	STRYKER CORPORATION
2022305486	RHEINMETALL WAFFE MUNITION GMBH
2022305605	HAGER-ELECTRO SAS
2022305781	YARA INTERNATIONAL ASA
2022305790	TEN CATE THIOLON B.V.
2022306388	GENENTECH, INC.
2022306497	ARECO FINANCES ET TECHNOLOGIE - ARFITEC
2022306529	SUMITOMO CHEMICAL COMPANY, LIMITED
2022307764	SUPRÊME
2022308357	ALLERGAN, INC.
2022308566	MODDEX NZ LIMITED PARTNERSHIP
2022308647	EVOLOH, INC.
2022308712	ATOSSA THERAPEUTICS, INC.
2022308880	BAYER AKTIENGESELLSCHAFT
2022308968	GELION TECHNOLOGIES PTY LTD
2022309372	LN AUTOMATION PTY LTD
2022310114	SIKA TECHNOLOGY AG
2022310733	TETRA LAVAL HOLDINGS & FINANCE S.A.
2022311344	PHARMACHEM AUSTRALIA PTY LTD
2022311968	COSMOAESTHETICS PTY LTD
2022312931	KANDO INNOVATION LIMITED
2022313863	SUNGROW ENERGY STORAGE TECHNOLOGY CO., LTD.
2022314101	USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR V.V.I.
2022315033	LELIT S.R.L.
2022315631	ALERIS ROLLED PRODUCTS GERMANY GMBH; BERNSTEIN, I.
2022317165	ELECTROLUX APPLIANCES AKTIEBOLAG
2022318032	BRACCO IMAGING SPA
2022318287	POLYSEAM LIMITED
2022318600	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
2022319003	BATTELLE MEMORIAL INSTITUTE; LANZATECH, INC.
2022319971	TRANSIMMUNE AG; YALE UNIVERSITY
2022320208	BRIDGESTONE CORPORATION
2022320855	SIKA TECHNOLOGY AG
2022321449	ABBISKO THERAPEUTICS CO., LTD.
2022323520	PRESIDENT AND FELLOWS OF HARVARD COLLEGE
2022325176	SENSEN NETWORKS GROUP PTY LTD
2022326997	SAMSUNG ELECTRONICS CO., LTD.
2022327054	RAYTHEON COMPANY
2022328832	BEIJING JINGDONG ZHENSHI INFORMATION TECHNOLOGY CO., LTD.
2022332097	FREEMPORT-MCMORAN INC.
2022332888	FREEMPORT-MCMORAN INC.
2022333388	MITSUBISHI HEAVY INDUSTRIES, LTD.
2022348817	THYSSENKRUPP UHDE GMBH
2022354071	ILLUMINA, INC.
2022354707	FIDELITY TECH HOLDINGS PTY LTD
2022358349	OXITEC LIMITED
2022376881	TRUMA GERÄTETECHNIK GMBH & CO. KG
2022382630	WING AVIATION LLC
2022386115	SHENZHEN ULIKE SMART ELECTRONICS CO.,LTD
2022386431	NANJING CHERVON INDUSTRY CO., LTD.
2022400828	CCCC (TIANJIN) ECO-ENVIRONMENTAL PROTECTION DESIGN & RESEARCH INSTITUTE CO., LTD.
2022414260	LEONARDO S.P.A.
2022418233	LG ENERGY SOLUTION, LTD.
2022426210	LG ENERGY SOLUTION, LTD.
2022429255	LG ENERGY SOLUTION, LTD.
2022433051	LG ELECTRONICS INC.
2022445129	ZTE CORPORATION
2022452744	RHEINMETALL LANDSYSTEME GMBH
2022455380	ZTE CORPORATION
2022455648	ZTE CORPORATION
2022455910	CHINA ELECTRIC POWER RESEARCH INSTITUTE
2022459565	TAIAN AEROSPACE SPECIAL VEHICLE CO., LTD.
2023266704	TRINA STORAGE SOLUTIONS (JIANGSU) CO., LTD
2023266904	INNER MONGOLIA NORTH HAULER JOINT STOCK CO.,LTD.

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2022386431	2022273763	2022275591	2022306497	2022275582	2022272301
	2022275765	2022307764		2022280964	
	2022306529		<u>A47J 31 /-</u>	2022282358	<u>A61H 99 /-</u>
<u>A01G 7 /-</u>	<u>A01N 41 /-</u>	<u>A23L 2 /-</u>	2022285799	2022283206	2022272301
2022270773	2022275765	2022300456	2022315033	2022284275	
		2022310733		2022289211	
<u>A01G 9 /-</u>	<u>A01N 43 /-</u>	<u>A23L 3 /-</u>	<u>A47J 42 /-</u>	<u>A61B 6 /-</u>	<u>A61K 103 /-</u>
2022270773	2022301674	2022273763	2022285799	2022272738	2022276444
	2022306529	2022275288		2022275759	
<u>A01H 1 /-</u>	<u>A01N 53 /-</u>	<u>A23L 33 /-</u>	<u>A47K 10 /-</u>	<u>A61B 90 /-</u>	<u>A61K 31 /-</u>
2022275338	2022306529	2022273984	2021456642	2022270162	2021444255
2022289235		2022275591	2021457163		2021453749
	<u>A01N 59 /-</u>	202227699		<u>A61C 13 /-</u>	2022268420
<u>A01H 6 /-</u>	2022271648	2022287274	<u>A47K 3 /-</u>	2021451277	2022268464
2022275338	2022273763		2022301879		2022268720
		<u>A23L 5 /-</u>	<u>A47L 1 /-</u>	<u>A61C 7 /-</u>	2022269237
<u>A01J 25 /-</u>	<u>A01P 1 /-</u>	2022275591	2022291094	2021451294	2022270242
2022268709	2022271648				2022270931
	2022273763	<u>A23P 10 /-</u>	<u>A47L 11 /-</u>	<u>A61F 13 /-</u>	2022273984
<u>A01J 27 /-</u>		2022275591	2022280813	2021445517	2022277799
2022268709	<u>A01P 3 /-</u>		2022281727	2022293998	2022282261
	2022271648	<u>A24B 13 /-</u>	2022291094	2022299255	2022282451
<u>A01K 15 /-</u>	<u>A01P 7 /-</u>	2022268733	<u>A47L 5 /-</u>	<u>A61F 2 /-</u>	2022283883
2022309372	2022301674		2022280813	2021450047	2022284001
	2022306529	<u>A24B 15 /-</u>	<u>A47L 7 /-</u>	2022268691	2022286742
<u>A01K 27 /-</u>		2022268733	2022280813	2022284215	2022286958
2022270415	<u>A22B 3 /-</u>			2022288088	2022287274
	2022304737	<u>A24C 5 /-</u>	<u>A47L 9 /-</u>	2022289695	2022288053
<u>A01K 29 /-</u>	<u>A23B 9 /-</u>	2022294217	2022280813	2022289735	2022288713
2022297009	2022273763		<u>A61B 10 /-</u>		2022289008
	2022275288	<u>A24D 1 /-</u>	2022286437	2022289720	2022289869
<u>A01K 67 /-</u>	<u>A23C 11 /-</u>	2022292959		2022290865	2022290865
2022358349	2022310733	2022294217	<u>A61B 17 /-</u>	2022291015	2022291142
		2022294221	2022268696	2022291132	2022291332
<u>A01M 1 /-</u>	<u>A23C 17 /-</u>	<u>A24F 40 /-</u>	2022270162	2021451294	2022293011
2022283017	2022279730	2022294221	2022280106	2022288088	2022293663
			2022288088		2022296523
<u>A01M 23 /-</u>	<u>A23C 19 /-</u>	<u>A43B 17 /-</u>	2022289731	<u>A61F 9 /-</u>	2022298028
2022283017	2022268709	2022275582	2022298081	2022299196	2022299196
2022297009	2022279730		<u>A61B 18 /-</u>	2022306388	2022299474
		<u>A43B 3 /-</u>	2022286341	2022308357	2022302841
<u>A01M 25 /-</u>	<u>A23C 9 /-</u>	<u>A43C 15 /-</u>	2022287931	<u>A61G 13 /-</u>	2022303368
2022283017	2022279730	2022288042	2022295767	2022272301	2022311344
			2022386115		2022321449
<u>A01M 31 /-</u>	<u>A23J 1 /-</u>	<u>A45D 26 /-</u>	<u>A61B 34 /-</u>	<u>A61G 5 /-</u>	<u>A61K 33 /-</u>
2022283017	2022310733	2022386115	2022292193	2022304739	2022291015
2022297009			2022292194	<u>A61G 7 /-</u>	<u>A61K 35 /-</u>
	<u>A23J 3 /-</u>	<u>A45D 40 /-</u>	2022292997	2022304909	2022268998
<u>A01N 25 /-</u>	2022275591	2022204524	<u>A61B 5 /-</u>	<u>A61H 19 /-</u>	2022274001
2022288370			2022268737	2022289695	2022277441
2022301674				2022311968	2022289031
					2022294190
					2022307764
					2022319971
					<u>A61K 36 /-</u>
					2021472146
					2022269237
					2022284389

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2022293011	<u>A61K 8/-</u>		<u>A61P 25/-</u>	<u>A61P 43/-</u>	<u>A63F 1/-</u>
<u>A61K 38/-</u>	2022289887	<u>A61M 25/-</u>	2022268720	2022268781	2022294971
2022268781	2022293011	2022283206	2022269237	2022273984	
2022269411	2022304712	2022286252	2022288230		<u>A63F 3/-</u>
2022269902	<u>A61K 9/-</u>	2022289731	2022288713	<u>A61P 5/-</u>	2022294971
2022283964		2022295810	2022291142	2022289247	
2022284686	2021445517	2022298081	2022291863		<u>A63G 21/-</u>
2022288230	2022268733	2022303131	2022294711	<u>A61P 9/-</u>	2022291258
2022289247	2022269237	<u>A61M 39/-</u>	2022296523	2021444255	
2022294711	2022270931	2022302000	2022301044	2022289247	<u>B01D 1/-</u>
<u>A61K 39/-</u>	2022273986	2022303131	<u>A61P 27/-</u>	2022303368	2022274987
2022269145	2022277441		2022283585		2022282500
2022269411	2022277799	<u>A61M 5/-</u>	<u>A61P 29/-</u>	<u>A61Q 19/-</u>	<u>B01D 15/-</u>
2022274001	2022283806	2022285144	2022268464	2022293011	2022269005
2022277056	2022286742	2022290841	2022293643	<u>A62B 18/-</u>	2022301375
2022288749	2022289003	2022302967	<u>A61P 3/-</u>	2022287026	
2022289697	2022296523	<u>A61N 1/-</u>	2022284686	<u>A62B 23/-</u>	<u>B01D 19/-</u>
2022290544	2022299196	2021451762	2022289247	2021457727	2022274998
2022292159	2022299492	2022287931	2022308880	2022287026	<u>B01D 29/-</u>
2022293643	2022304712	2022289211	<u>A61P 31/-</u>	<u>A62B 7/-</u>	2022270268
2022294198	2022311344		2022274001	2022287026	<u>B01D 3/-</u>
2022296633	<u>A61L 101/-</u>	<u>A61N 5/-</u>	2022282451	<u>A62C 2/-</u>	2022274987
2022299492	2022269005	2022271015	2022284389	2022318287	<u>B01D 36/-</u>
2022302170	<u>A61L 15/-</u>	2022288311	2022290865	<u>A62C 27/-</u>	2022270268
2022308712	2021445517	2022299492	2022302170	2022279074	<u>B01D 39/-</u>
<u>A61K 45/-</u>	<u>A61L 2/-</u>	<u>A61P 1/-</u>	2022311344	<u>A62C 3/-</u>	2022304246
2022289869	2021450619	2021444255	<u>A61P 33/-</u>	2022279074	<u>B01D 53/-</u>
<u>A61K 47/-</u>	2022269005	2022268464	2022274001	2022279074	2022285109
2022270931	2022279996	2022273984	<u>A61P 35/-</u>	<u>A62C 31/-</u>	2022291244
2022273984	<u>A61L 24/-</u>	<u>A61P 11/-</u>	2021444255	2022279074	2022298220
2022273986	2022286707	2022269237	2021453749	<u>A62C 35/-</u>	<u>B01D 61/-</u>
2022274001	<u>A61L 27/-</u>	2022283883	2022268464	2022418233	2022274998
2022276444	2022283359	<u>A61P 13/-</u>	2022268998	<u>A63B 102/-</u>	<u>B01F 23/-</u>
2022284686	<u>A61L 29/-</u>	2022308880	2022270116	2021231983	2022296011
2022288713	2022286252	<u>A61P 15/-</u>	2022277056	<u>A63B 21/-</u>	2022299465
2022289003	<u>A61L 31/-</u>	2022308880	2022277799	2022289211	2022299465
2022290544	2022289008	<u>A61P 17/-</u>	2022282261	<u>A63B 43/-</u>	<u>B01F 35/-</u>
2022291742	<u>A61L 9/-</u>	2021472146	2022284686	2022270128	2022296011
2022302784	2022269383	2022268464	2022286742	<u>A63B 55/-</u>	2022299465
2022314101	2021450619	2022269615	2022286958	2021231983	
<u>A61K 48/-</u>	2022302390	2022270242	2022290544	<u>A63B 57/-</u>	<u>B01J 19/-</u>
2022272235	2022311968	2022284686	2022291015	2022270128	2022284031
2022283585	<u>A61M 1/-</u>	<u>A61P 19/-</u>	2022291332	<u>A63B 69/-</u>	2022286849
2022290521	2022269383	2022268464	2022292159		<u>B01J 2/-</u>
2022298028	<u>A61M 15/-</u>	2022268464	2022293663	2022270128	2022268650
2022301044	2021457727	2022270242	2022295067		
<u>A61K 49/-</u>	<u>A61M 16/-</u>	2022284686	2022299492		
2022318032	2022269383	<u>A61P 21/-</u>	2022302170		
<u>A61K 51/-</u>	2022276444	2022268464	2022302784		
2022276444	<u>A61M 6/-</u>	2022269615	2022321449		
2022289720	2021451277	2022270242	<u>A61P 37/-</u>		
2022291150	2021451294	2022284686	2022268464		
2022299492	2021457727	2022289028	2022277056		
	2022276184	2022293643	2022283883		
	2022284375	2022298028	2022290544		
	2022287026		2022295067		

PCT applications which have entered the National Phase - IPC Index cont'd

<u>B01J 20 /-</u>	<u>B26D 1 /-</u>	<u>B60B 5 /-</u>	<u>B64C 11 /-</u>	<u>B65D 71 /-</u>	<u>C01B 32 /-</u>
2022269005 2022301375 2022308968	2021444699	2022277963 2022293199	2022301788	2022304581	2022270982 2022285109
<u>B01J 35 /-</u>	<u>B26D 3 /-</u>	<u>B60C 11 /-</u>	<u>B64C 23 /-</u>	<u>B65D 81 /-</u>	<u>C01B 33 /-</u>
2022290866	2021444699	2022296882	2022301788	2022290296	2022308968
<u>B01J 41 /-</u>	<u>B26D 7 /-</u>	<u>B60C 19 /-</u>	<u>B64C 29 /-</u>	<u>B65G 1 /-</u>	<u>C01C 1 /-</u>
2022301375	2021444699	2022320208	2022294242	2022278594 2022281086	2022290866 2022305781 2022333388 2022348817
<u>B01L 3 /-</u>	<u>B29B 9 /-</u>	<u>B60K 31 /-</u>	<u>B64C 3 /-</u>	<u>B65G 27 /-</u>	
2022273912	2022268650	2022332888	2022294242	2022297590	
<u>B02C 17 /-</u>	<u>B29C 64 /-</u>	<u>B60L 58 /-</u>	<u>B64C 39 /-</u>	<u>B65G 47 /-</u>	<u>C01F 11 /-</u>
2022296667	2022268670	2022285505	2022294242 2022305486	2022291750	2022272247
<u>B05B 1 /-</u>	<u>B29C 65 /-</u>	<u>B60R 16 /-</u>	<u>B64D 1 /-</u>	<u>B65G 65 /-</u>	<u>C01F 5 /-</u>
2021446331	2021455479 2022276184	2022283984 2022284974	2022271215	2022297590	2022272247
<u>B05B 12 /-</u>	<u>B29C 70 /-</u>	<u>B60S 5 /-</u>	<u>B65B 35 /-</u>	<u>B65G 67 /-</u>	<u>C02F 1 /-</u>
2021446331	2022293199	2022284974	2022291750	2022297590	2022268410 2022269581 2022271648 2022274238 2022284417 2022300453 2022304246 2022400828
<u>B21D 17 /-</u>	<u>B29L 31 /-</u>	<u>B60T 13 /-</u>	<u>B65B 51 /-</u>	<u>B65H 18 /-</u>	
2021444699	2022293199	2023266904	2021455479	2022289339	
<u>B23D 21 /-</u>	<u>B31B 70 /-</u>	<u>B60T 15 /-</u>	<u>B65D 1 /-</u>	<u>B65H 19 /-</u>	<u>C02F 101 /-</u>
2021444699	2021453586	2023266904	2022290296	2022289339	2022304246
<u>B23K 11 /-</u>	<u>B32B 27 /-</u>	<u>B60T 7 /-</u>	<u>B65D 19 /-</u>	<u>B66B 23 /-</u>	<u>C02F 103 /-</u>
2021455479	2022276925 2022288967 2022301595	2023266904	2022290296	2022290814	2022304246
<u>B23K 26 /-</u>	<u>B32B 3 /-</u>	<u>B60W 10 /-</u>	<u>B65D 25 /-</u>	<u>B66B 29 /-</u>	<u>C02F 11 /-</u>
2022272616	2022285322	2022285505	2022290296	2022290814	2022269581 2022400828
<u>B23Q 17 /-</u>	<u>B32B 5 /-</u>	<u>B60W 50 /-</u>	<u>B65D 30 /-</u>	<u>B66C 23 /-</u>	<u>C02F 3 /-</u>
2022304737 2022312931	2022288967	2022284974	2021453586	2022291094	2022268410 2022304246
<u>B24B 3 /-</u>	<u>B33Y 10 /-</u>	<u>B62D 5 /-</u>	<u>B65D 33 /-</u>	<u>B68B 1 /-</u>	<u>C03C 10 /-</u>
2022304737	2022268670	2022459565	2021453586	2022270415	2022268410 2022304246
<u>B24D 15 /-</u>	<u>B33Y 30 /-</u>	<u>B63G 8 /-</u>	<u>B65D 50 /-</u>	<u>B68B 5 /-</u>	<u>C03C 23 /-</u>
2022304737	2022268670	2022301788	2021448685	2022270415	2021451277
<u>B25J 11 /-</u>	<u>B33Y 80 /-</u>	<u>B63H 1 /-</u>	<u>B65D 51 /-</u>	<u>C01B 11 /-</u>	<u>C03C 23 /-</u>
2022301041	2022268670	2022301788	2022281993	2022271648	2021451277
<u>B25J 5 /-</u>	<u>B60B 1 /-</u>	<u>B63H 20 /-</u>	<u>B65D 55 /-</u>	<u>C01B 15 /-</u>	<u>C03C 3 /-</u>
2022301041	2022293199	2022302792	2022281993	2022274987	2021451277
<u>B25J 9 /-</u>	<u>B60B 21 /-</u>	<u>B63H 3 /-</u>	<u>B65D 6 /-</u>	<u>C01B 3 /-</u>	<u>C03C 4 /-</u>
2022292194 2022301041	2022293199	2022302792	2022290296	2022270982 2022285109 2022290866 2022291244 2022293965 2022300453 2022333388	2021451277
<u>B26B 11 /-</u>	<u>B60B 3 /-</u>	<u>B63H 5 /-</u>	<u>B65D 65 /-</u>		<u>C04B 111 /-</u>
2022304737	2022277963	2022301788	2022272793 2022276925		2022310114

PCT applications which have entered the National Phase - IPC Index cont'd

<u>C04B 2 /-</u>	<u>C07D 209 /-</u>	<u>C07D 413 /-</u>	2022284490	<u>C08J 5 /-</u>	<u>C12F 3 /-</u>
2022285109	2022268420	2022283883	2022288230	2022276925	2022274998
	2022302841	2022290865	2022288749		2022310733
<u>C04B 28 /-</u>	<u>C07D 211 /-</u>	<u>C07D 417 /-</u>	2022289247	<u>C08J 9 /-</u>	
2022310114			2022292159		<u>C12G 3 /-</u>
	2022286635	2022290865	2022292632	2022290042	2022300456
<u>C06B 23 /-</u>	2022290865	2022291332	2022294190	<u>C08K 3 /-</u>	
2022268594	<u>C07D 213 /-</u>	<u>C07D 421 /-</u>	2022294711	2022290042	<u>C12H 1 /-</u>
2022270919			2022296633		2022275299
	2022284001	2022270116	2022299474	<u>C08K 5 /-</u>	
<u>C06B 47 /-</u>	<u>C07D 231 /-</u>	<u>C07D 471 /-</u>	<u>C07K 16 /-</u>	2022283359	<u>C12M 1 /-</u>
2022268594			2022269145		2022323520
2022269827	2022284001	2021444255	2022269615	<u>C08L 1 /-</u>	
	2022308880	2022290865	2022269902	2022276925	<u>C12N 1 /-</u>
<u>C07C 1 /-</u>	<u>C07D 233 /-</u>	2022291332	2022270453		2022323520
2022319003		<u>C07D 487 /-</u>	2022276444	<u>C08L 25 /-</u>	
	2022290865		2022277056	2022290042	<u>C12N 15 /-</u>
<u>C07C 229 /-</u>	<u>C07D 239 /-</u>	2021444255	2022284490		2022269411
2022291742		2021453749	2022286617	<u>C08L 29 /-</u>	2022269877
	2022284001	2022270116	2022288749	2022272793	2022269902
<u>C07C 233 /-</u>	<u>C07D 257 /-</u>	2022288713	2022289697		2022271753
2022314101		2022290865	2022290544	<u>C08L 33 /-</u>	2022272235
	2022291150	<u>C07D 491 /-</u>	2022292159	2022290042	2022272995
<u>C07C 237 /-</u>	<u>C07D 263 /-</u>		2022293643	<u>C08L 67 /-</u>	2022273425
2022290865		2022289869	2022294190		2022277441
2022314101	2022283883	2022290865	2022294198	<u>C08L 89 /-</u>	2022277688
	<u>C07D 295 /-</u>	<u>C07D 493 /-</u>	2022295067	2022276925	2022280048
<u>C07C 303 /-</u>			2022296633	<u>C08L 89 /-</u>	2022282057
2022291920	2022314101	2022290865	2022302170	2022272793	2022282451
	<u>C07D 313 /-</u>	<u>C07D 498 /-</u>	<u>C07K 19 /-</u>	<u>C08L 89 /-</u>	2022283585
<u>C07C 309 /-</u>			2022292632	2022272793	2022283964
2022285875	2022314101	2022290865	<u>C07K 5 /-</u>	<u>C09D 167 /-</u>	2022285661
	<u>C07D 401 /-</u>	<u>C07D 513 /-</u>	2022268781		2022286925
<u>C07C 403 /-</u>			2022290865	<u>C09J 133 /-</u>	2022288230
2022293011	2022270242	2021444255	<u>C07K 7 /-</u>	2022301595	2022288942
	2022285875	2022291332		<u>C09J 175 /-</u>	2022290521
<u>C07C 45 /-</u>	2022286635	<u>C07D 519 /-</u>	<u>C07K 9 /-</u>	2022292055	2022290565
2022319003	2022288713	2021444255	2022284490	<u>C09J 175 /-</u>	2022291127
	2022290865	2022270116			2022291759
<u>C07C 50 /-</u>	2022291332	2022293663	<u>C08F 2 /-</u>	<u>C09K 5 /-</u>	2022292197
2022291142	2022321449	<u>C07F 3 /-</u>		2022292055	2022292632
	<u>C07D 403 /-</u>		2022290042	<u>C09K 8 /-</u>	2022292659
<u>C07C 53 /-</u>		2022318032	<u>C08F 220 /-</u>	2022288569	2022296523
2022294711	2022268420	<u>C07F 5 /-</u>		<u>C09K 8 /-</u>	2022298028
	2022268464		2022292055	2021462135	2022299474
<u>C07C 55 /-</u>	2022270242	2022276444	<u>C08F 6 /-</u>	<u>C12C 1 /-</u>	2022301044
2022285875	2022286958	<u>C07F 9 /-</u>			2022301521
	2022290865		2022290042	<u>C12C 7 /-</u>	2022303368
<u>C07C 57 /-</u>	2022291332	2022290865	<u>C08G 59 /-</u>	2022310733	2022354071
2022285875	2022302841	<u>C07K 1 /-</u>			<u>C12N 5 /-</u>
	2022318032		2022320855	<u>C12C 11 /-</u>	2022269411
<u>C07C 7 /-</u>	2022321449	<u>C07D 405 /-</u>	<u>C08G 63 /-</u>		2022269877
2022319003				2022273763	2022277441
	2022290865	2022284490	<u>C08J 3 /-</u>	2022275288	2022277688
<u>C07D 207 /-</u>	2022291332	<u>C07K 14 /-</u>		2022310733	2022288942
2022290865	<u>C07D 409 /-</u>		2022276925	<u>C12C 7 /-</u>	2022292159
		2022268998			2022292197
	2022270242	2022275948	<u>C08K 3 /-</u>	2022310733	2022294190
	2022290865	2022279881		<u>C12C 7 /-</u>	2022307764
		2022282069	2022283359		2022319971
		2022283585	2022290042	2022310733	<u>C12N 7 /-</u>
					2022269902
					2022290521

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<u>C12N 9/-</u>	<u>C25B 11/-</u>	<u>E04B 7/-</u>	<u>E06B 3/-</u>	<u>F03B 17/-</u>	<u>F16M 11/-</u>
2022269145	2022291244		2022301879	2022274323	2022282156
2022271753	2022308647	2022290651			
2022290635			<u>E21B 17/-</u>	<u>F03B 3/-</u>	<u>F16P 3/-</u>
2022291127	<u>C25B 13/-</u>	<u>E04F 10/-</u>	2022287032	2022274323	2022312931
2022291759	2022284417	2022290651			
2022292659			<u>E21B 21/-</u>	<u>F03D 13/-</u>	<u>F23C 3/-</u>
2022296523	<u>C25B 15/-</u>	<u>E04F 11/-</u>	2022275853	2022302263	2022318600
2022301521	2022284417	2022308566		2022304838	
<u>C12P 1/-</u>	2022300453		<u>E21B 23/-</u>		<u>F23D 14/-</u>
2022323520		<u>E04F 15/-</u>	2022283829	<u>F04B 43/-</u>	2022318600
	<u>C25B 9/-</u>	2022308566	2022286961	2022302967	
<u>C12P 13/-</u>	2022284417				<u>F24C 15/-</u>
2022271753	2022291244	<u>E04G 21/-</u>	<u>E21B 29/-</u>	<u>F04C 5/-</u>	2022317165
	2022300453	2022300757	2022274229	2022302967	
<u>C12P 19/-</u>	2022308647		2022286961		<u>F24F 1/-</u>
2022290635		<u>E04G 23/-</u>		<u>F15B 15/-</u>	2022311968
2022293386	<u>C40B 40/-</u>	2022291094	<u>E21B 33/-</u>	2022273820	
	2022354071		2022274229		<u>F24F 13/-</u>
<u>C12P 21/-</u>		<u>E04G 5/-</u>	2022287032	<u>F15D 1/-</u>	2022288540
2022269411	<u>C40B 50/-</u>	2022289479		2022301788	
2022284490	2022354071		<u>E21B 34/-</u>		<u>F24H 1/-</u>
<u>C12P 7/-</u>	<u>D04H 3/-</u>	<u>E04H 1/-</u>	2022274229	<u>F16B 33/-</u>	2022376881
2022288057	2022268670	2022277759	2022283829	2022297976	
		2022290651	2022286961		<u>F24H 15/-</u>
<u>C12Q 1/-</u>	<u>E01C 13/-</u>	<u>E04H 17/-</u>	<u>E21B 43/-</u>	<u>F16B 37/-</u>	2022376881
2022275338	2022268650		2022274229	2022283836	
2022284311	2022305790	2022289479	2022287032	2022297976	<u>F24H 3/-</u>
2022284686		2022300757			2022376881
2022290516	<u>E02B 3/-</u>	2022309372	<u>E21B 47/-</u>	<u>F16B 43/-</u>	
2022291759	2022268675		2022303128	2022277963	<u>F24H 6/-</u>
2022291863		<u>E04H 6/-</u>			2022376881
2022354071	<u>E02D 13/-</u>	2022290651	<u>E21B 49/-</u>	<u>F16G 11/-</u>	
<u>C21B 13/-</u>	2022300757		2021462135	2022270415	<u>F24S 23/-</u>
2022298204		<u>E05C 17/-</u>	2022275853		2022276120
2022298625	<u>E02D 17/-</u>	2022274924		<u>F16G 13/-</u>	
2022300010	2022268675		<u>E21B 7/-</u>	2022274924	<u>F24S 25/-</u>
		<u>E05D 13/-</u>	2022286961		2022273522
<u>C21B 3/-</u>	<u>E02D 29/-</u>	2022301879		<u>F16H 19/-</u>	
2022291244	2022268675		<u>E21C 39/-</u>	2022274924	<u>F24S 40/-</u>
	2022300757	<u>E05D 15/-</u>	2022288967		2022276120
<u>C22B 23/-</u>		2022301879		<u>F16H 21/-</u>	
2021472648	<u>E02F 9/-</u>		<u>F01D 1/-</u>	2022273820	<u>F24S 50/-</u>
	2022283836	<u>E05D 3/-</u>	2022274987		2022276120
<u>C22C 21/-</u>	2022287497	2022273971	2022348817	<u>F16H 25/-</u>	
2022315631				2022273820	<u>F25C 1/-</u>
	<u>E03C 1/-</u>	<u>E05F 1/-</u>	<u>F01N 1/-</u>		2022433051
<u>C22F 1/-</u>	2021446331	2022273971	2022452744	<u>F16K 31/-</u>	
2022315631				2022277015	<u>F25D 23/-</u>
	<u>E03F 1/-</u>	<u>E05F 11/-</u>	<u>F01N 5/-</u>		2022433051
<u>C25B 1/-</u>	2022268410	2022274924	2022452744	<u>F16K 37/-</u>	
2022274238				2022277015	<u>F25D 29/-</u>
2022284417	<u>E03F 11/-</u>	<u>E05F 15/-</u>	<u>F01N 9/-</u>		2022433051
2022291244	2022268410	2022274924	2022452744	<u>F16L 37/-</u>	
2022300453				2022288540	<u>F27B 1/-</u>
2022308647	<u>E04B 1/-</u>	<u>E06B 11/-</u>	<u>F03B 13/-</u>		2022285109
	2022277759	2022309372	2022274323		2022298625
	2022308566				

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2022300010	<u>G01C 21 /-</u>	2022305486	2022296328	<u>G06T 7 /-</u>	<u>G11B 27 /-</u>
<u>F27B 14 /-</u>	2022332097	<u>G01S 17 /-</u>	<u>G06F 18 /-</u>	2022266523	2022274268
2021472648	<u>G01D 21 /-</u>	2022270773	2022266523	2022278859	
<u>F27D 17 /-</u>	2022270773	2022271356	<u>G06F 21 /-</u>	<u>G06V 10 /-</u>	<u>G16B 20 /-</u>
2021472648	<u>G01J 3 /-</u>	<u>G01S 19 /-</u>	2022273500	2022278859	2021423830
<u>F27D 19 /-</u>	2022278859	2022276981	2022296328	2022297009	<u>G16B 30 /-</u>
2022300010	<u>G01L 1 /-</u>	<u>G01S 3 /-</u>	2022302150	2022325176	2021423830
<u>F28D 1 /-</u>	2022275582	2022305486	<u>G06F 3 /-</u>	<u>G06V 20 /-</u>	2022289876
2022277678	2022285322	<u>G01S 5 /-</u>	2022283984	2022266523	<u>G16B 40 /-</u>
<u>F28D 3 /-</u>	<u>G01L 5 /-</u>	2022276981	2022294637	2022274268	2022289876
2022282500	2022275582	<u>G01S 7 /-</u>	2022354707	2022325176	
<u>F28F 1 /-</u>	2022285322	2022305486	<u>G06F 40 /-</u>	2022297009	<u>G16H 10 /-</u>
2022277678	<u>G01M 17 /-</u>	<u>G01V 1 /-</u>	2022288543	2022325176	2022284275
<u>F28F 9 /-</u>	2022320208	2022293197	<u>G06F 9 /-</u>	<u>G07B 15 /-</u>	<u>G16H 40 /-</u>
2022277678	<u>G01N 15 /-</u>	2022293890	2022293875	2022325176	2022284275
2022277678	2021462135	<u>G01V 3 /-</u>	2022302150	<u>G07C 1 /-</u>	<u>G16H 50 /-</u>
<u>F41A 17 /-</u>	<u>G01N 21 /-</u>	2022303128	2022280964	2022325176	2022284275
2022275071	2022278859	<u>G02B 5 /-</u>	2022288543	<u>G07C 5 /-</u>	2022290004
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2022305486	<u>G01N 30 /-</u>	2022312931	2022280964	2022284974	2022284957
<u>F41G 3 /-</u>	2022289038	<u>G02B 6 /-</u>	2022282358	2022332888	<u>G21B 3 /-</u>
2022275071	<u>G01N 31 /-</u>	2022295767	2022289876	<u>G07F 17 /-</u>	2022291244
<u>F41G 7 /-</u>	2022275853	<u>G03F 7 /-</u>	<u>G06Q 10 /-</u>	2022269678	<u>H01J 1 /-</u>
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2022305486	2022290516	<u>G05B 23 /-</u>	<u>G06Q 30 /-</u>	<u>G08C 17 /-</u>	<u>H01L 29 /-</u>
<u>F41J 9 /-</u>	2022291781	2022304737	2022280142	2022309372	2022273110
2022305486	2022291863	<u>G01N 5 /-</u>	2022354707	<u>G08G 1 /-</u>	<u>H01M 10 /-</u>
<u>F41J 9 /-</u>	2021462135	2022304737	<u>G06Q 50 /-</u>	2022269678	2022274895
2022305486	<u>G01R 22 /-</u>	<u>G05D 1 /-</u>	2022270773	2022325176	2022276679
<u>F42B 3 /-</u>	2022293404	2022332888	2022289235	<u>G09F 9 /-</u>	2022283968
2022288967	<u>G01R 31 /-</u>	<u>G06F 1 /-</u>	2022294329	2022326997	2022284876
<u>F42D 1 /-</u>	2022284876	2022293063	2022382630	2022326997	2022308968
2022288967	2022293404	2022297009	<u>G06T 11 /-</u>	<u>G06T 11 /-</u>	2022313863
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 A61P 31/18 (2006.01)
 C07D 213/81 (2006.01)
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 C08L 23/14 (2006.01)
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A61K 31/7088 (2006.01)
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B65D 25/08 (2006.01)
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C12N 15/62 (2006.01)
A61K 48/00 (2006.01)
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E02F 9/22 (2006.01)
F15B 11/05 (2006.01)
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G06T 15/08 (2011.01)
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C07D 413/14 (2006.01)
A61K 31/4706 (2006.01)
A61K 31/517 (2006.01)
A61P 19/02 (2006.01)
A61P 25/28 (2006.01)
A61P 31/18 (2006.01)
A61P 35/00 (2006.01)
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C07D 239/84 (2006.01)
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G10L 15/02 (2006.01)
G10L 25/51 (2013.01)

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B01L 3/00 (2006.01)
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C02F 1/14 (2006.01)
B01D 1/00 (2006.01)
B01D 3/06 (2006.01)
B01D 3/14 (2006.01)
C02F 1/04 (2006.01)

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F03G 6/00 (2006.01)
B01D 1/26 (2006.01)
B01D 1/28 (2006.01)
B01D 3/10 (2006.01)
C02F 103/08 (2006.01)
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B60R 25/32 (2013.01)
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C21D 8/00 (2006.01)
F41H 1/04 (2006.01)
B29C 70/44 (2006.01)
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C12Q 1/68 (2018.01)
C07H 21/04 (2006.01)
C12N 15/31 (2006.01)
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E02D 5/30 (2006.01)
E02D 5/34 (2006.01)
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H01M 4/133 (2010.01)
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A61F 5/44 (2006.01)
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A61F 13/511 (2006.01)
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B32B 5/02 (2006.01)
B32B 5/06 (2006.01)
B32B 5/08 (2006.01)
B32B 5/26 (2006.01)
B32B 27/12 (2006.01)
B32B 27/40 (2006.01)
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A47B 88/40 (2017.01)
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E05B 47/00 (2006.01)
E05B 65/462 (2017.01)
G07F 9/02 (2006.01)
G07F 11/62 (2006.01)
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A62C 2/06 (2006.01)

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H04L 5/00 (2006.01)
H04W 74/00 (2009.01)
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H04N 19/577 (2014.01)
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A61P 1/04 (2006.01)
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 C12N 1/20 (2006.01)
 C12P 5/00 (2006.01)
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E05B 65/00 (2006.01)
E05C 3/12 (2006.01)
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F16B 19/02 (2006.01)
F16B 35/04 (2006.01)
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G06T 19/00 (2011.01)
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B01D 53/22 (2006.01)
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B60L 50/50 (2019.01)
A63B 55/60 (2015.01)
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H04W 4/80 (2018.01)
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D21H 17/53 (2006.01)
D21H 21/18 (2006.01)
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D21H 25/06 (2006.01)
D21H 27/10 (2006.01)
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C07K 14/47 (2006.01)
A61K 38/00 (2006.01)
A61P 35/00 (2006.01)
C12N 15/63 (2006.01)
C12Q 1/68 (2018.01)
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C07D 403/00 (2006.01)
A61K 31/506 (2006.01)
A61P 35/00 (2006.01)
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B82Y 40/00 (2011.01)
C01B 32/17 (2017.01)
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F16L 53/37 (2018.01)
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A61K 47/68 (2017.01)
A61P 25/28 (2006.01)
C07K 14/00 (2006.01)
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C07K 16/00 (2006.01)
C07K 16/46 (2006.01)
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C12N 15/62 (2006.01)
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 University see Menicon Co., Ltd.**
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 National University see Sumitomo Electric
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G06F 9/451 (2018.01)
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F01B 5/00 (2006.01)
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F16H 25/14 (2006.01)
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A61K 6/77 (2020.01)
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 Ayman
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C02F 1/10 (2006.01)
F28C 3/06 (2006.01)
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F41A 9/60 (2006.01)
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 (51) Int. Cl.
H04W 4/80 (2018.01)
A61M 11/04 (2006.01)
A61M 15/06 (2006.01)
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Nippon Steel Corporation see Vallourec Oil and Gas France
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A61P 25/00 (2006.01)
C07J 5/00 (2006.01)

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C07J 13/00 (2006.01)
C07J 17/00 (2006.01)
C07J 21/00 (2006.01)
C07J 51/00 (2006.01)
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A23G 3/34 (2006.01)
A21D 13/32 (2017.01)
A21D 13/36 (2017.01)
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 oligosaccharides for use in infants or
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 promote a healthy growth
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A01N 41/04 (2006.01)
A61L 2/16 (2006.01)
C01B 21/09 (2006.01)
C02F 1/50 (2006.01)
C02F 1/68 (2006.01)

C02F 1/76 (2006.01)
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G10L 15/28 (2013.01)
G06F 3/16 (2006.01)
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H04H 20/28 (2008.01)

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C12N 5/074 (2010.01)

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 Power Company; East China Electric
 Power Test Research Institute Co., Ltd.;
 Shanghai University of Electric Power
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H02J 3/12 (2006.01)

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 asthma, rhinitis or conjunctivitis, com-
 prising N-acyl amino acid as active in-
 gredient
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A61K 31/198 (2006.01)
A23L 33/175 (2016.01)
A61K 31/405 (2006.01)
A61P 11/06 (2006.01)
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 ACTUATING AN OSCILLATING TIP
 SAW BLADE AND OSCILLATING TIP
 SAW BLADE WITH SELF CLEANING
 HEAD
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A61B 17/14 (2006.01)

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C22C 1/08 (2006.01)
C22C 18/00 (2006.01)
C22C 19/03 (2006.01)
C22F 1/00 (2006.01)
C22F 1/10 (2006.01)
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C25D 1/08 (2006.01)
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A01N 43/90 (2006.01)
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C07C 229/16 (2006.01)
C07D 487/22 (2006.01)
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H01M 8/04007 (2016.01)
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G01J 1/42 (2006.01)
G01J 1/02 (2006.01)
G04R 60/02 (2013.01)
G04R 60/12 (2013.01)
H01Q 1/24 (2006.01)
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C07D 231/56 (2006.01)
A61P 1/00 (2006.01)
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 control method therefor, system, MMC,
 and machine-side inverter
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 device for converter of wind turbine
 generator in wind power plant
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B29C 64/00 (2017.01)
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C07K 16/46 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
C07K 16/28 (2006.01)
C12N 5/10 (2006.01)
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E02F 5/00 (2006.01)
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2016365751	BioMarin Pharmaceutical Inc.	2018240840	Zydex Pty Ltd
2017202406	Ruprecht-Karls-Universität Heidelberg	2018244251	Bethencourt Cravid, M.
2017208133	UNIVERSITÄT ZÜRICH	2018244806	LDN Pharma Limited
2017232050	Tuff Tonneaus Wholesale Pty Ltd	2018246235	National University of Singapore; Nkarta, Inc.
2017233121	ITabMed (HK) Limited	2018246351	Fermentalg
2017238817	OSAKA UNIVERSITY; FunPep Co., Ltd.	2018247293	Müthing GmbH & Co. KG
2017250284	Creatv Microtech, Inc.	2018249530	Sensient Colors LLC
2017252344	Faron Pharmaceuticals Oy	2018253868	Robert Bosch GmbH
2017260660	Unicyte EV AG	2018254626	SillaJen, Inc.
2017269582	Exoxemis, Inc.	2018257387	Wellmend AS
2017279779	Joy Global Surface Mining Inc	2018258372	Endogene Limited
2017283158	Algentech	2018260451	Bormioli Pharma S.p.A.
2017313917	The Regents of the University of California	2018262548	Oglesby & Butler Research & Development Limited
2017315294	Twist Bioscience Corporation	2018262574	Flexicare (Group) Limited
2017322712	Laila Nutraceuticals	2018262790	Huvepharma
2017327769	Universität Stuttgart	2018264143	The Boeing Company
2017341028	Genzyme Corporation	2018266417	SunSense AS
2017351263	Eiken Kagaku Kabushiki Kaisha	2018266835	Abel Applications Limited; Naturalife Health Unlimited Company
2017360092	betaSENSE GmbH	2018270381	Ortho-Nutra, LLC
2017361549	OBI Pharma, Inc.	2018270433	Wisk Aero LLC
2017371394	Bertani, R.	2018273975	National Oilwell DHT, L.P.
2017374588	Societe D'exploitation De Produits Pour Les Industries Chimiques Seppic; Total Marketing Services	2018276273	Bayer HealthCare LLC
2017375630	Seattle Children's Hospital (DBA Seattle Children's Research Institute)	2018277525	Tyco Fire Products LP
2017380471	MM Health Ltd	2018277526	Tyco Fire Products LP
2017380769	Novaliq GmbH	2018280741	Kissei Pharmaceutical Co., Ltd.
2017381598	Avectas Limited	2018280742	Kissei Pharmaceutical Co., Ltd.
2017393107	MT Innovations Pty Ltd	2018282103	Laica S.p.a.
2017395785	EXO One Pty Ltd	2018284307	Alcon Inc.
2017406005	Innovation Craft Company, S.L	2018285542	Hadal, Inc.
2017417560	Tuttoespresso S.r.l.	2018285814	Baxter International Inc.; Baxter Healthcare SA
2017420362	Kimberly-Clark Worldwide, Inc.	2018285912	Geopier Foundation Company, Inc.
2017426418	Kimberly-Clark Worldwide, Inc.	2018288604	Amgen Inc.
2017438039	Kimberly-Clark Worldwide, Inc.	2018289303	Imbria Pharmaceuticals, Inc.
2017440304	Prysmian S.p.A.	2018290752	Ennis-Flint, Inc.
2017441040	Kimberly-Clark Worldwide, Inc.	2018292956	Hettich-ONI GmbH & Co. KG
2018200475	The Boeing Company	2018294317	Kellogg Company
2018200563	Illinois Tool Works Inc.	2018295426	Gripple Limited
2018200600	Cerend Pty Ltd	2018295686	Kabushiki Kaisha Yakult Honsha
2018202537	Hunter Douglas, Inc.	2018301579	Telefield Medical Imaging Limited
2018203683	Electrolux Appliances Aktiebolag	2018303744	Maintech Co., Ltd.
2018204000	Agit Global IP Holdings, LLC	2018308191	Scenic immunology B.V.
2018204152	Dometic Sweden AB	2018308827	VSY Biyoteknoloji Ve Ilac San. A.S.
2018204927	Unitika Ltd.	2018310672	Elmer, K.
2018205115	Neosteo SAS	2018311310	Deltatek Oil Tools Limited
2018207541	Spinalcyte, LLC	2018312121	Purdue Research Foundation
2018209807	Institut Gustave-Roussy	2018314216	University of Utah Research Foundation
2018211523	GV Engineering GmbH	2018316801	MAKO Surgical Corp.
2018212273	Triastek, Inc.	2018317430	The Children's Mercy Hospital
2018215090	AgriForce Growing Systems Ltd.	2018317520	Suncor Energy Inc.
2018216970	Otolanum AG	2018320320	BASF SE
2018218164	Menicon Co., Ltd.; National University Corporation Shizuoka University	2018322414	Th3x Construction Consultancy Pte. Ltd.
2018222217	National Oilwell Varco Denmark I/S	2018323436	TLC Biopharmaceuticals, Inc.; Taiwan Liposome Co., Ltd.
2018223146	Genfit	2018324118	Boehringer Ingelheim Animal Health USA Inc.
2018227586	Cerus Corporation	2018327272	Ossio Ltd.
2018229696	Araujo Dayrell, I.	2018328714	Liebherr-Components Biberach GmbH
2018231122	Prellis Biologics, Inc.	2018329484	Becton, Dickinson and Company
2018231144	ATNX SPV, LLC	2018330392	Scan Coin AB
2018231643	Newlenoir Limited	2018333555	BP Exploration Operating Company Limited
2018231943	DSB Co Pty Ltd	2018333668	Sony Corporation
2018233961	Frontmatec Smørum A/S	2018333873	CONTEXTFUL TECHNOLOGIES INC.
2018234796	Rothenberger AG	2018334392	Verb Surgical Inc.
2018236271	Research Institute at Nationwide Children's Hospital	2018336053	Salts Healthcare Limited
2018236353	The Regents of the University of California	2018336651	voestalpine BWG GmbH; voestalpine VAE GmbH
2018236846	Milton, T.	2018336996	Caterpillar Inc.
2018238190	Zydex Pty Ltd	2018340671	WorkJam Inc.
		2018340844	0903608 B.C. Ltd.

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2018341239	RJ Lee Group, Inc.	2019274791	Vallourec Oil and Gas France; Nippon Steel Corporation
2018341302	Amorepacific Corporation	2019275453	Intra-Cellular Therapies, Inc.
2018346455	SWM Luxembourg Sarl	2019286195	Fintek S.R.L.
2018348699	Avient Protective Materials B.V.	2019290722	Betta Pharmaceuticals Co., Ltd
2018348794	Atomo Diagnostics Limited	2019295737	Colorado State University Research Foundation
2018349792	Developeration AB	2019300106	Abivax; Centre National de la Recherche Scientifique; Universite de Montpellier; Institut Curie
2018350979	Helmer Scientific, LLC	2019300768	InterDigital VC Holdings, Inc.
2018352104	Solenis Technologies, L.P.	2019300782	ImmunityBio, Inc.
2018352384	Actuate Therapeutics Inc.	2019304781	Astellas Pharma Inc.
2018352478	NewSouth Innovations Pty Limited; The University of Sydney	2019309430	Akzo Nobel Coatings International B.V.
2018353113	Metso Outotec Finland Oy	2019310936	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2018354771	BASF SE	2019312753	Societe des Produits Nestle S.A.
2018357073	Zytech Ltd	2019314634	Societe des Produits Nestle S.A.
2018360571	Superior Industries, Inc.	2019341037	Netflix, Inc.
2018361223	Superbolt, Inc.	2019346637	Inno-Spin LLC
2018363796	Vesuvius Group, S.A.	2019358314	Pilkington Group Limited
2018366108	PayPal, Inc.	2019361842	Samsung Electronics Co., Ltd.
2018366282	Quanta Associates, L.P.	2019363627	Ballardini, C.; Teixeira de Araujo, V.; Teixeira de Araujo, I.; RANSAN, L.
2018368199	LG Energy Solution, LTD.	2019405206	Hollister Incorporated
2018375175	Munoz, M.	2019413865	Asahi Group Holdings, Ltd.; Asahi Breweries, Ltd.
2018377854	NewSouth Innovations Pty Limited	2019446735	Unist(Ulsan National Institute of Science and Technology)
2018379105	Magic Leap, Inc.	2019469119	Hitachi Construction Machinery Co., Ltd.
2018379703	IP2IPO Innovations Limited	2019471042	Huawei Technologies Co., Ltd.
2018382329	Nexter Systems	2019477537	Actega DS GmbH
2018382566	HeidelbergCement AG	2019478288	Essity Hygiene and Health Aktiebolag
2018382575	Societe des Produits Nestle S.A.	2019479051	Vector Vitale IP LLC
2018383663	Inovio Pharmaceuticals, Inc.	2019479110	W. L. Gore & Associates, Inc.
2018384035	Alcon Inc.	2019479339	Nippon Telegraph and Telephone Corporation
2018387643	Gambro Lundia AB	2019479398	LG Electronics Inc.
2018388408	Sage Therapeutics, Inc.	2020210236	TRANSCOM INDUSTRIES PTY LTD
2018388565	Materialise N.V.; OBL SAS	2020218748	BiomEdit, LLC
2018390418	Xencor, Inc.	2020224396	Oro Agri Inc.
2018392648	Repsol, S.A.	2020226846	Opus RV Pty Ltd
2018394189	Kyowa Kirin Co., Ltd.	2020239643	Zymeworks BC Inc.
2018399093	Hilti Aktiengesellschaft	2020241910	Megakaryon Corporation; Otsuka Pharmaceutical Factory, Inc.
2018399498	Halliburton Energy Services, Inc.	2020246114	Tokuyama Corporation
2018401063	Sharp Kabushiki Kaisha; FG Innovation Company Limited	2020257980	Exentis Knowledge GmbH
2018401582	Nexter Systems	2020259270	One Home Brands, Inc.
2018403505	SICPA HOLDING SA	2020265790	Worn Again Technologies Limited
2018409856	Raytheon Company	2020266229	Kraft Foods Schweiz Holding GmbH
2018410185	Sumitomo Electric Industries, Ltd.; National University Corporation Yokohama National University	2020267770	80 Acres Urban Agriculture Inc.
2018411540	Prysmian S.p.A.	2020268493	Nuovo Pignone Technologie - S.r.l.
2018412959	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2020272975	MAKO Surgical Corp.
2018426458	Chiyoda Corporation	2020283844	STEMDR INC.
2019203100	DSI Tunneling LLC	2020291753	The Procter & Gamble Company
2019207666	Idorsia Pharmaceuticals Ltd	2020291757	CP Pharmaceutical Qingdao Co., Ltd.; Marine Biomedical Research Institute of Qingdao Co., Ltd.
2019211693	Evopoint Biosciences Co., Ltd.	2020292655	The Procter & Gamble Company
2019212006	Hilti Aktiengesellschaft	2020297034	Datum Dental Ltd.
2019212888	Idorsia Pharmaceuticals Ltd	2020300507	Victaulic Company
2019215598	Merck Patent GmbH	2020301401	GlaxoSmithKline Consumer Healthcare Holdings (US) LLC
2019217320	Jiangsu Hansoh Pharmaceutical Group Co., Ltd.; Shanghai Hansoh Biomedical Co., Ltd.	2020302841	Xefco Pty Ltd
2019217499	Desolenator B.V.	2020304069	Gilead Sciences, Inc.
2019217879	DexCom, Inc.	2020311396	Lifetime Products, Inc.
2019218889	Texas Medical Center	2020319744	DCM Shriram Limited
2019220486	Qualcomm Incorporated	2020320033	Innolith Technology AG
2019221451	Benjamin Moore & Co.	2020322472	MED-EL Elektromedizinische Geraete GmbH
2019226152	The Boeing Company	2020325349	Qingdao Haier Washing Machine Co., Ltd.; Haier Smart Home Co., Ltd.
2019235424	BioNTech SE	2020328402	LG Electronics Inc.
2019235659	Comfortel Furniture Pte. Ltd.	2020333099	Shanghai Changchengyiyaokeji Company Limited
2019242191	Qualcomm Incorporated	2020334903	Cellphire, Inc.
2019245775	Datadobi CVBA	2020342139	Nanjing Anji Biotechnology Co., Ltd.
2019246890	Tata Consultancy Services Limited	2020343120	F & T Spagnolo Pty Ltd
2019256929	Tokuyama Corporation	2020345768	ICP Construction, Inc.
2019257354	West Affum Holdings Corp.		
2019258078	Chengdu Henghao Investment Co. Limited		
2019258157	Bactiguard AB		

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2020348825	Shanghai Institute of Materia Medica, Chinese Academy of Sciences; China Pharmaceutical University	2021254510	TRACTO-TECHNIK GmbH & Co. KG
2020353609	Huawei Digital Power Technologies Co., Ltd.	2021254654	LG ELECTRONICS INC.
2020364319	Wing Aviation LLC	2021254863	International Business Machines Corporation
2020369979	The University of Sydney	2021256299	Mitsubishi Heavy Industries, Ltd.
2020372379	BYD Company Limited	2021257927	Cue Health Inc.
2020375220	Nokia Technologies Oy	2021257988	Forma Therapeutics, Inc.
2020379962	Daikin Industries, Ltd.	2021258634	Hitachi, Ltd.
2020385206	Huawei Technologies Co., Ltd.	2021261300	Shell Internationale Research Maatschappij B.V.
2020388156	Microport Navibot (Suzhou) Co., Ltd.	2021263636	Vivo Mobile Communication Co., Ltd.
2020390377	Wuhan LL Science and Technology Development Co., Ltd.	2021266178	International Business Machines Corporation
2020391074	Beijing Luzhu Biotechnology Co., Ltd.	2021266209	Ortho-Nutra, LLC
2020396844	Knorr-Bremse Systeme für Schienenfahrzeuge GmbH	2021266350	Biocompatibles UK Limited
2020399915	Sunfire GmbH	2021268568	Ulterra Drilling Technologies, L.P.
2020411480	Denali Therapeutics Inc.	2021268575	Eli Lilly and Company
2020415580	Yoshino Gypsum Co., Ltd.	2021269283	Alcon Inc.
2020415637	Komatsu Ltd.	2021269301	The Walter and Eliza Hall Institute of Medical Research; University of Utah Research Foundation
2020416030	Huawei Technologies Co., Ltd.	2021271019	ELC Management LLC
2020417285	Utopus Insights, Inc.	2021271202	International Business Machines Corporation; Ramot At Tel-Aviv University Ltd.
2020420367	LG Electronics Inc.	2021276573	Philogen S.p.A.
2020421890	Xinjiang Goldwind Science & Technology Co., Ltd.	2021277603	Hologic, Inc.
2020422814	Nantong CIMC-Special Transportation Equipment Manufacture Co., Ltd.; Nantong CIMC Special Logistics Equipment Development Co., Ltd.	2021277616	Ceek Women's Health, Inc.
2020426683	Boston Scientific Scimed, Inc.	2021277653	Kiverdi, Inc.
2020430436	KOFFIE F. ROMBOUTS, naamloze vennootschap	2021280113	Nanjing Chia Tai Tianqing Pharmaceutical Co., Ltd.
2020436114	Xinjiang Goldwind Science & Technology Co., Ltd.	2021282413	Geomni, Inc.
2020438508	Toshiba Carrier Corporation	2021286317	The Governors of the University of Alberta; Helmholtz Center for Infection Research
2021202375	Fasteners for Retail, Inc.	2021286337	10X Genomics, Inc.
2021204340	Geneohm Sciences Canada, Inc.	2021286372	De La Rue International Limited
2021204655	Alnylam Pharmaceuticals, Inc.	2021290263	Hensley Industries, Inc.
2021205373	Seasun Therapeutics	2021291726	Psilo Scientific Ltd
2021206821	DYNAMIK PTY LIMITED	2021292753	IDEAL Industries, Inc.
2021206868	AccuraGen Holdings Limited	2021293694	Ildong Pharmaceutical Co., Ltd.
2021208878	OMICRON Electronics GmbH	2021293965	International Business Machines Corporation
2021209257	Convergene LLC; The United States of America, as represented by the Secretary, Department of Health and Human Services	2021299912	Unilever Global IP Limited
2021211183	Detectronic Limited	2021301379	Enphase Energy, Inc.
2021211858	International Business Machines Corporation	2021305837	SunTracker Technologies Ltd.
2021213237	Embody, Inc.	2021306216	AdvanSix Resins & Chemicals LLC
2021214042	Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation	2021306453	Unilever Global IP Limited
2021217837	Kabushiki Kaisha Toyota Jidoshokki; Osaka University	2021308239	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.
2021218070	Abiomed Europe GmbH	2021311386	Motorola Solutions, Inc.
2021218117	The Trustees of the University of Pennsylvania; Inovio Pharmaceuticals, Inc.	2021312452	Komatsu Ltd.
2021221470	Discovery Limited; Cambridge Mobile Telematics	2021323387	State Grid Shanghai Municipal Electric Power Company; East China Electric Power Test Research Institute Co., Ltd.; Shanghai University of Electric Power
2021221876	BlueScope Steel Limited	2021325865	Lockheed Martin Corporation
2021224796	Boston Scientific Scimed, Inc.	2021337217	CHONG KUN DANG PHARMACEUTICAL CORP.
2021225160	Millennium Pharmaceuticals, Inc.	2021338289	TPE Midstream LLC
2021225384	CMR Surgical Limited	2021345023	E Ink Corporation
2021226132	Hanes Innerwear Australia Pty Ltd	2021348477	SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES
2021226297	Chong Kun Dang Pharmaceutical Corp.	2021356025	FRAUSCHER SENSOR TECHNOLOGY GROUP GMBH
2021226734	Nanocomp Technologies, Inc.	2021368641	DENNIS A. DOMINGOS FAMILY TRUST
2021229137	CRISM Pty Ltd	2021368677	E Ink Corporation
2021229663	Cordio Medical Ltd.	2021372954	Shanxi Tiandi Coal Mining Machinery Co., Ltd.; Tai Yuan Research Institute of China Coal Technology & Engineering Group
2021232745	Versicolor Technologies, LLC	2021380487	Hyosung Heavy Industries Corporation
2021232782	Hutchinson Industries, Inc.	2021380855	Langweisi Technology (Shenzhen) Co., Ltd
2021232924	AdvanSix Resins & Chemicals LLC	2021400944	ELI LILLY AND COMPANY
2021235335	International Business Machines Corporation	2021407827	ABBISKO THERAPEUTICS CO., LTD.
2021235735	Howmet Aerospace Inc.	2021416759	KABUSHIKI KAISHA TOSHIBA; TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION
2021239805	Praxair Technology, Inc.	2021427532	TEKION CORP
2021239845	Pindrop Security, Inc.	2021434552	LYNAS RARE EARTHS LIMITED
2021243081	Huawei Technologies Co., Ltd.	2022200010	MannKind Corporation
2021245201	MP Global Products, L.L.C.	2022200346	Coulter Ventures LLC
2021245218	STRYKER EUROPEAN OPERATIONS HOLDINGS LLC	2022200389	Terra Quantum AG
2021246985	International Business Machines Corporation	2022200447	WONDERLAND SWITZERLAND AG
2021248369	BEDNAR FMT		
2021251702	Boston Scientific Scimed, Inc.		

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2022200604	RMH Tech LLC
2022200811	Sage Therapeutics, Inc.
2022200864	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
2022200877	Clause, Inc.
2022200903	Caribou Biosciences, Inc.
2022201415	TOPCON CORPORATION
2022201498	Labcyte Inc.
2022201954	AVECHO BIOTECHNOLOGY LIMITED
2022202001	Ohio State Innovation Foundation
2022202015	National Research Council of Canada
2022202036	Kamstrup A/S
2022202045	Fleetsu Pty Ltd
2022202302	Opex Corporation
2022202467	Boehringer Ingelheim Vetmedica GmbH
2022202522	Immatics Biotechnologies GmbH
2022202721	John Cockerill Hydrogen Belgium
2022202792	LG ELECTRONICS INC.
2022203181	Tornier
2022203499	Mitsubishi Chemical Corporation
2022203683	Advanced Accelerator Applications SA
2022203743	Manta Sleep LLC
2022204057	LG ELECTRONICS INC.
2022204449	LG Electronics Inc.
2022204485	Apple Inc.
2022204890	W. L. Gore & Associates, Inc.
2022205194	Transportation IP Holdings, LLC
2022209311	Société des Produits Nestlé S.A.
2022214554	DONYATI, LLC
2022215191	Duracell U.S. Operations, Inc.
2022215217	Hangzhou DAC Biotech Co., Ltd
2022215247	CSR Building Products Limited
2022215283	Milestone Systems A/S
2022221393	Lund, D.
2022221499	Huawei Technologies Co., Ltd.
2022231382	MOTOCADDY LIMITED
2022235536	Beijing Baidu Netcom Science Technology Co., Ltd.
2022246461	Nicoventures Trading Limited
2022252228	Kimberly-Clark Worldwide, Inc.; The Board of Trustees of the University of Illinois
2022252710	Jinko Solar Co., Ltd.; Zhejiang Jinko Solar Co., Ltd.
2022256081	Molecular Templates, Inc.
2022263576	Apple Inc.
2022266952	NUOVO PIGNONE TECNOLOGIE - S.R.L.
2022268379	TerraPower, LLC
2022273526	GALVION INCORPORATED
2022275406	Raptor Sports Pty Ltd
2022275474	Google LLC
2022279479	Getac Technology Corporation
2022283788	Acres Technology
2022287627	W. L. Gore & Associates, Inc.; W. L. Gore & Associates GmbH
2022289516	DOSHI, H.A.
2022329894	GREEN GRAPHITE TECHNOLOGIES INC.
2022452746	KT PROJEKTENTWICKLUNGS-GMBH
2023200411	MFTB Holdco, Inc.
2023200968	Gripsport Pty Ltd
2023202471	Medill, S.
2023203125	Apple Inc.
2023203776	Apple Inc.
2023203785	GE Video Compression, LLC
2023204180	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2023204181	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2023204182	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2023204191	LG Electronics Inc.
2023226649	AUSTRALIAN HEALTH INDUSTRY CO.PTY LTD
2023237044	Coffey, R.
2023255407	KOH, C.

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2020343120	2018317520	2018294317	2019363627	2017393107	2019478288
<u>A01B 49 /-</u>	<u>A01N 41 /-</u>	<u>A23J 3 /-</u>	<u>A45C 13 /-</u>	<u>A47L 9 /-</u>	<u>A61F 2 /-</u>
2018247293	2018352104	2018294317	2022221393	2020420367	2018205115
2021248369	<u>A01N 43 /-</u>	<u>A23L 11 /-</u>	<u>A45D 24 /-</u>	<u>A61B 1 /-</u>	2018231943
<u>A01C 5 /-</u>	2018317520	2018294317	2019235659	2018258372	2018308827
2021248369	2022289516	<u>A23L 3 /-</u>	<u>A45F 3 /-</u>	2018349792	2018314216
<u>A01D 34 /-</u>	<u>A01N 59 /-</u>	2018377854	2021368641	2021224796	2018388565
2020343120	2022289516	2021239805	2022221393	2021277616	2019218889
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2020343120	2018340844	2021291726	2019235659	2018236846	2020426683
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2020343120	2018246235	2017322712	2020311396	2018205115	2022203181
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2020267770	2020224396	2018341302	2021202375	2018236846	<u>A61F 5 /-</u>
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2020224396	2018218164	2022209311	2021202375	2018231943	2021226132
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2020267770	2018317520	2018246351	2021202375	2018205115	2018284307
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2021368641	2019312753	<u>A24B 15 /-</u>	2018350979	2018236846	2022203743
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2018204927	<u>A22B 5 /-</u>	2018346455	2020311396	2018349792	2017371394
<u>A01K 87 /-</u>	2018233961	<u>A41B 9 /-</u>	<u>A47C 7 /-</u>	2019218889	<u>A61J 1 /-</u>
2022275406	<u>A22B 7 /-</u>	2021226132	2018204000	2021218117	2022202467
<u>A01N 1 /-</u>	<u>A23B 4 /-</u>	<u>A41D 13 /-</u>	<u>A47F 5 /-</u>	2021245218	<u>A61K 101 /-</u>
2020334903	2018249530	2022203743	2021202375	2021251702	2021400944
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2022289516	<u>A23G 1 /-</u>	<u>A42C 2 /-</u>	<u>A47J 31 /-</u>	2020388156	2017381598
<u>A01N 31 /-</u>	2018382575	2022273526	2017406005	2021225384	20182216970
2018317520	2020266229	<u>A43B 13 /-</u>	2020430436	2018244806	2018223146
<u>A01N 33 /-</u>	<u>A23G 3 /-</u>	2019363627	<u>A47K 3 /-</u>	2018262790	2018231144
2018352104	2019312753	<u>A43B 23 /-</u>	2017371394	2018270381	2018244806
<u>A01N 35 /-</u>	2019314634	2019363627	<u>A47K 7 /-</u>	2018262790	2018262790
2020266229	2020266229	2019363627	2017371394	2018276273	2018270381
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				2018280742	2018280741
				2018348794	2018280742
				2019217879	2018289303
				2019257354	2018308191
				2021229663	2018323436
				<u>A61B 5 /-</u>	2018352384
				2018312121	2018388408
				2018384035	2019207666
				<u>A61B 34 /-</u>	2019211693
				2020272975	2019212888
				2020388156	2019215598
				2021225384	2019217320
				<u>A61B 8 /-</u>	2019235424
				2018301579	2019258078
				<u>A61B 90 /-</u>	2019275453
				2019218889	
				2020272975	

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2019290722	2018308191		<u>A61M 39 /-</u>	2018216970	<u>A61P 7 /-</u>
2019300106	2018383663	<u>A61L 15 /-</u>		2018262790	
2019479051	2020239643		2018329484	2020283844	2020334903
2020283844	2020391074	2017438039		2021205373	
2020291757	2021218117	2019258157	<u>A61M 5 /-</u>	2021226297	<u>A61P 9 /-</u>
2020333099	2021225160			2022200811	
2020348825	2021276573	<u>A61L 17 /-</u>	2018288604		2018262790
2021204655	2021286317		2022287627	<u>A61P 29 /-</u>	2018308191
2021205373		2019258157			2019207666
2021209257	<u>A61K 45 /-</u>	2021213237	<u>A61M 60 /-</u>	2018223146	2019258078
2021226297				2019212888	
2021232924	2018223146	<u>A61L 2 /-</u>	2021218070	2019215598	<u>A61Q 11 /-</u>
2021257988	2018244806			2021293694	
2021266209	2018276273	2018352104	<u>A61N 1 /-</u>		2020291753
2021276573	2018308191			<u>A61P 3 /-</u>	2020292655
2021280113	2020301401	<u>A61L 27 /-</u>	2019257354		<u>A61Q 17 /-</u>
2021291726	2021266209		2020322472	2018262790	
2021293694		2018327272		2019479051	2017374588
2021337217	<u>A61K 47 /-</u>	2019258157	<u>A61N 5 /-</u>	2021226297	2021271019
2021348477		2020297034		2022200811	
2021407827	2017322712	2021213237	2018314216		
2022200010	2017361549	2022287627	2021305837	<u>A61P 31 /-</u>	<u>A61Q 19 /-</u>
2022200811	2017380769				
2022209311	2018216970	<u>A61L 29 /-</u>	<u>A61P 1 /-</u>	2017269582	2017374588
<u>A61K 33 /-</u>	2018394189			2018266835	2018341302
	2021205373	2019258157	2018223146	2018308191	2021232745
	2021232924	2019405206	2018262790	2019211693	2021271019
2017269582	2022202015	2022204890	2020291753	2019300106	2023226649
2019479051		<u>A61L 31 /-</u>	2020390377	2020348825	<u>A61Q 5 /-</u>
	<u>A61K 48 /-</u>		2021293694	2021209257	
<u>A61K 35 /-</u>		2018327272	<u>A61P 11 /-</u>	2021226297	2017374588
	2017260660	2019258157		2021286317	
2017202406	2017381598		2018262790	2022215217	<u>A62C 2 /-</u>
2017260660	2018236353	<u>A61M 1 /-</u>	2018266835		
2017313917	2019235424		2020283844	<u>A61P 35 /-</u>	2019212006
2017375630	2021205373	2018387643	2021226297		
2017380471	2021218117			2017233121	<u>A62C 3 /-</u>
2018227586	2022200903	<u>A61M 11 /-</u>	<u>A61P 15 /-</u>	2018244806	
2018246235				2018254626	2019212006
2018254626	<u>A61K 49 /-</u>	2022246461	2018280741	2018262790	<u>A62C 35 /-</u>
2020218748			2018280742	2018276273	
	2017361549	<u>A61M 15 /-</u>	<u>A61P 17 /-</u>	2018352384	2020300507
<u>A61K 36 /-</u>				2018383663	
	<u>A61K 51 /-</u>	2022246461	2017380471	2019212888	<u>A63B 1 /-</u>
2017322712			2018231144	2019215598	
2018266835	2021400944	<u>A61M 16 /-</u>	2018262790	2019290722	2022200346
2018341302	2022203683			2020239643	
2021291726		2018262574	<u>A61P 19 /-</u>	2020291757	<u>A63B 17 /-</u>
<u>A61K 38 /-</u>	2018352478	<u>A61M 21 /-</u>		2020333099	
			2016365751	2020342139	2022200346
2016365751	<u>A61K 8 /-</u>	2018314216	2018262790	2020348825	<u>A63B 21 /-</u>
2017208133			2021209257	2021209257	
2017269582	2017374588	<u>A61M 25 /-</u>	<u>A61P 21 /-</u>	2021257988	2022200346
2017375630	2018341302			2021276573	
2018236271	2020291753	2018258372	2018270381	2021280113	<u>A63B 24 /-</u>
2018246235	2020292655	2018262574		2021348477	
2018379703	2021232745	2018329484	<u>A61P 25 /-</u>	2021407827	2023203776
2018394189	2021271019	2019218889			
2020342139	2023226649	2019479110		<u>A61P 37 /-</u>	<u>A63B 53 /-</u>
2020411480		2022204890	2018262790		
2021269301	<u>A61K 9 /-</u>	<u>A61M 27 /-</u>	2018308191	2017238817	2022275406
2021276573			2018388408	2018262790	
2022202522	2017380769	2021251702	2019217320	2018394189	<u>A63B 55 /-</u>
<u>A61K 39 /-</u>	2018212273	<u>A61M 31 /-</u>	2020411480	2019212888	
	2018216970		2021204655	2020291757	2022231382
2017202406	2018223146	2022287627	2021209257	2021204655	
2017233121	2018262790		2021226297	2021286317	<u>A63B 60 /-</u>
2017238817	2018262790	<u>A61M 37 /-</u>	2022200811		
2017252344	2018323436		2022202015	<u>A61P 43 /-</u>	2022275406
2017361549	2020301401	2022287627	<u>A61P 27 /-</u>		
2018254626	2021205373			2021204655	<u>A63F 13 /-</u>
	2021232924		2017380769		2022283788
	2022200010				

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<u>B01D 1 /-</u>	<u>B21D 5 /-</u>	<u>B29C 70 /-</u>	2020396844	<u>B62B 1 /-</u>	2019477537
2018341239	2019346637	2018327272	<u>B60B 19 /-</u>	2022221393	<u>B65D 43 /-</u>
2019217499		2022273526	2018211523	2022231382	2019477537
<u>B01D 11 /-</u>	<u>B21D 7 /-</u>	<u>B29C 73 /-</u>	<u>B60B 29 /-</u>	<u>B62B 5 /-</u>	<u>B65D 50 /-</u>
2021291726	2019346637	2022452746	2022200447	2022221393	2018260451
<u>B01D 15 /-</u>	<u>B22D 41 /-</u>	<u>B29K 75 /-</u>	<u>B60B 3 /-</u>	<u>B62D 1 /-</u>	<u>B65D 51 /-</u>
2018341239	2018363796	2020210236	2018211523	2020372379	2022202467
<u>B01D 3 /-</u>	<u>B23K 11 /-</u>	<u>B32B 15 /-</u>	<u>B60B 39 /-</u>	<u>B62D 15 /-</u>	<u>B65D 8 /-</u>
2019217499	2021235735	2020302841	2020396844	2020372379	2022202467
<u>B01D 53 /-</u>	<u>B23K 26 /-</u>	<u>B32B 21 /-</u>	<u>B60B 7 /-</u>	<u>B62D 25 /-</u>	<u>B65D 81 /-</u>
2021256299	2018284307	2018320320	2021232782	2020210236	2022202467
2022203499	<u>B23K 3 /-</u>	<u>B32B 27 /-</u>	<u>B60D 1 /-</u>	<u>B62D 59 /-</u>	<u>B65D 85 /-</u>
<u>B01D 61 /-</u>	2018262548	2021226132	2018253868	2020226846	2017417560
2018285814	<u>B23P 19 /-</u>	<u>B32B 3 /-</u>	<u>B60J 7 /-</u>	<u>B62J 15 /-</u>	2020430436
2018333555	2018361223	2020302841	2017232050	2020210236	<u>B65D 90 /-</u>
<u>B01D 69 /-</u>	<u>B25B 29 /-</u>	<u>B32B 5 /-</u>	2018204152	<u>B63B 29 /-</u>	2020422814
2022203499	2018361223	2018264143	<u>B60L 3 /-</u>	2018204000	<u>B65G 21 /-</u>
<u>B01D 71 /-</u>	<u>B25F 1 /-</u>	2020302841	2021258634	<u>B63B 32 /-</u>	2018200600
2022203499	2018262548	2021226132	<u>B60L 50 /-</u>	2021206821	2018353113
<u>B01L 3 /-</u>	<u>B25H 3 /-</u>	<u>B32B 7 /-</u>	2022231382	<u>B63B 35 /-</u>	<u>B65G 39 /-</u>
2021257927	2018234796	2020302841	<u>B60L 53 /-</u>	2018310672	2018200600
2022252228	2023237044	<u>B33Y 50 /-</u>	2018285542	<u>B64C 11 /-</u>	<u>B65G 41 /-</u>
<u>B05B 7 /-</u>	<u>B25J 11 /-</u>	2018231122	2022231382	2018270433	2018353113
2018303744	2019479398	<u>B33Y 80 /-</u>	<u>B60P 3 /-</u>	<u>B64C 25 /-</u>	<u>B65G 43 /-</u>
<u>B05D 1 /-</u>	2020420367	2018231122	2020226846	2018200475	2018360571
2018303744	<u>B25J 19 /-</u>	<u>B41F 15 /-</u>	<u>B60R 1 /-</u>	2018200475	<u>B65H 21 /-</u>
<u>B05D 3 /-</u>	2019479398	2018403505	2018253868	<u>B64C 27 /-</u>	2017420362
2020420367	2020420367	2020257980	<u>B60R 11 /-</u>	2018270433	<u>B65H 23 /-</u>
2018403505	<u>B25J 9 /-</u>	<u>B41F 23 /-</u>	2023200968	<u>B64C 3 /-</u>	2017420362
<u>B05D 7 /-</u>	2018334392	2020257980	<u>B60R 25 /-</u>	2018270433	<u>B65H 26 /-</u>
2018303744	2019479398	<u>B41F 27 /-</u>	2021221470	<u>B64D 35 /-</u>	2017420362
<u>B06B 1 /-</u>	<u>B27N 3 /-</u>	2018403505	<u>B60R 9 /-</u>	2018270433	<u>B66D 1 /-</u>
2022201498	2018320320	2018403505	2023200968	<u>B65D 21 /-</u>	2018328714
<u>B07B 15 /-</u>	<u>B29C 39 /-</u>	<u>B41M 3 /-</u>	<u>B61L 1 /-</u>	2022202467	<u>B66D 5 /-</u>
2018353113	2020210236	2018403505	2021356025	<u>B65D 25 /-</u>	2018328714
<u>B07C 5 /-</u>	<u>B29C 43 /-</u>	<u>B42D 25 /-</u>	<u>B61L 23 /-</u>	2022202467	<u>B67D 1 /-</u>
2022202302	2022273526	2018403505	2021258634	<u>B65D 39 /-</u>	2019413865
<u>B08B 5 /-</u>	<u>B29C 64 /-</u>	2021286372	2018211523	2019477537	<u>B82Y 40 /-</u>
2019235659	2018231122	<u>B60B 15 /-</u>	<u>B61L 27 /-</u>	<u>B65D 41 /-</u>	2021226734
<u>B08B 9 /-</u>	2018238190	2018211523	2021356025	2018260451	
2018257387	2018240840	<u>B60B 17 /-</u>			

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C01B 32 /-		2021280113	C07J 13 /-	2017233121	2019477537
2021226734	C07C 323 /-	2021337217	2018388408	2017250284	
2022329894	2019304781	2021407827		2017252344	C08L 77 /-
		C07D 417 /-	C07J 17 /-	2017327769	2018290752
C01B 39 /-	C07D 209 /-	2021280113	2018388408	2020239643	
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	C07D 213 /-	2019215598			2019221451
C01F 11 /-	2019300106	2019290722	C07J 3 /-	C07K 7 /-	
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2018285814	2021348477				2018320320
2018333555	2022200811	2021257988	C07J 43 /-	C08B 37 /-	
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2018377854	C07D 233 /-	C07D 487 /-	2019217320	2020291757	2018403505
2019217499	2019258078	2018317520			
		2019207666	C07J 5 /-	C08F 2 /-	C09D 123 /-
C02F 103 /-	C07D 235 /-	2019211693	2018388408	2018354771	2019221451
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		2019290722		C08F 20 /-	C09D 167 /-
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C04B 14 /-		C07D 491 /-	C07J 7 /-	2020345768	2019221451
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	2021400944	2020348825	2019217320	C08G 65 /-	C09D 177 /-
C04B 18 /-		C07D 498 /-	C07J 71 /-	2019256929	2018290752
2018382566	C07D 323 /-	2021407827	2018388408	C08G 77 /-	C09D 191 /-
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		C07D 519 /-	C07J 9 /-		
C04B 28 /-	C07D 401 /-	2019290722	2018388408	C08J 11 /-	C09D 193 /-
2018382566	2019215598			2020265790	2018290752
2020246114	2019290722	C07F 5 /-	C07K 1 /-		
	2019300106	2021434552	2018246351	C08J 3 /-	C09D 5 /-
C04B 7 /-	2021209257			2020265790	2019221451
2020246114	2021280113	C07F 9 /-	C07K 14 /-	C08J 5 /-	2019309430
	2021293694	2020333099	2018236271		
C05D 9 /-	C07D 403 /-	2021291726	2018236353	2018352478	C09K 9 /-
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	2021280113		2018246351		
C07B 47 /-	2021293694	C07H 19 /-	2018379703	C08J 9 /-	
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			2018394189		2021306216
C07B 59 /-	C07D 405 /-	C07H 21 /-	2020218748	C08L 1 /-	2021306453
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	2021280113	2021204340	2020342139	2020265790	C11D 11 /-
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	C07D 413 /-		2021286317		C11D 17 /-
C07C 291 /-	2019212888	C07J 1 /-	2022202015	C08L 23 /-	2020259270
2021306216			2022202522		
			2022256081		

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2020259270	2021277653	C25B 9 /-	2021245201	E04F 21 /-	E21B 43 /-
C12M 1 /-	C12P 13 /-	2022202721	D21H 27 /-	2022215247	2018333555
2017381598	2018354771	C25D 1 /-	2021245201	E04G 5 /-	E21B 47 /-
2018229696	C12P 17 /-	2018410185	D21J 1 /-	2023237044	2018311310
2018231122	2021291726	C25D 7 /-	2021245201	E04H 15 /-	E21B 49 /-
2021277653	C12P 19 /-	2018410185	E01B 7 /-	2022221393	2018311310
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2017381598	C12P 5 /-	2021206868	E01C 7 /-	2018350979	2018273975
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2018246351	C12P 7 /-	2020239643	E02D 13 /-	2018200563	E21D 11 /-
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2021277603	2017351263	2021226132	2018285912	E05C 19 /-	2021372954
2021277653	2019446735	D04H 1 /-	E02D 5 /-	2021254654	E21D 9 /-
C12N 13 /-	2020342139	2017441040	2018285912	E05C 3 /-	2021372954
2017381598	2021204340	D04H 13 /-	E02D 7 /-	2021254654	F01B 5 /-
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2017283158	C12R 1 /-	D06F 33 /-	E02F 3 /-	2018200563	F01B 9 /-
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2017341028	C21D 8 /-	2020325349	2021312452	E05F 5 /-	2022266952
2017351263	2022273526	2022204449	E02F 5 /-	2018292956	F01D 9 /-
2017381598	C22C 1 /-	D06F 58 /-	2018357073	E06B 9 /-	2020268493
2018236353	2018410185	2018203683	E02F 9 /-	2018202537	F01N 11 /-
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2019235424	2018410185	2020302841	2019469119	2021372954	F01N 3 /-
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2020239643	2018410185	2021226132	2021312452	2019274791	F01N 9 /-
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2020342139	2018410185	2018348699	E04B 1 /-	2021268568	2022200864
2020391074	C23C 16 /-	D21F 7 /-	2018244251	E21B 21 /-	F01P 3 /-
2021204340	2019358314	2018303744	2018295426	2018333555	2022200864
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2022202015	C23F 1 /-	D21H 21 /-	2020415580	E21B 34 /-	F01P 7 /-
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2018394189	2021221876	2018303744	2018295426		
2019235424	C23F 1 /-	D21H 17 /-	2018399093		
2019300782	2018410185	2021245201	2019212006		
2020239643	C25B 1 /-	D21H 21 /-	E04B 5 /-		
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C12N 9 /-					
2017313917					
2018295686					
2022200903					

Applications Accepted - IPC Index cont'd

F03D 7 /-	2021338289	F24H 9 /-	G01J 3 /-	2018379105	2018333873
2020417285	F16L 15 /-	2020379962	2021305837	2021269283	2021268575
F03G 6 /-	2019274791	2020438508	G01K 11 /-	G02B 3 /-	G06F 21 /-
2019217499	F16L 17 /-	F24S 25 /-	2018310672	2021269283	2018366108
F04B 39 /-	2018277525	2018322414	G01L 5 /-	G02B 5 /-	2019479339
2021338289	2018277526	2022200604	2018348699	2018314216	2022200877
F04B 49 /-	F16L 21 /-	F25B 13 /-	G01M 3 /-	2018379105	G06F 3 /-
2021338289	2018277525	2019286195	2018399498	G02B 6 /-	2018333668
F04D 17 /-	2018277526	F25D 21 /-	2022202036	2017440304	2018333873
2022266952	2021229137	2019286195	G01N 15 /-	2018411540	2019295737
F04D 29 /-	F16L 27 /-	F25D 23 /-	2021261300	G02C 7 /-	2019361842
2020268493	2018330392	2021254654	G01N 21 /-	2018308827	2022204485
2022266952	F16L 37 /-	F25D 3 /-	2017351263	2021269283	2023200411
F15B 11 /-	2021229137	2021239805	G01N 23 /-	2022202001	2023203125
2018336996	F16L 5 /-	F28C 3 /-	2021261300	G02F 1 /-	2023255407
2020415637	2019212006	2018377854	G01N 27 /-	2021345023	G06F 30 /-
F15B 21 /-	F16L 53 /-	F28F 19 /-	2021261300	2021368677	2019226152
2018336996	2018222217	2020379962	G01N 33 /-	G04R 60 /-	G06F 40 /-
F15B 7 /-	F16L 55 /-	F41A 9 /-	2017250284	2018266417	2021427532
2018336996	2018258372	2018382329	2017252344	G05B 19 /-	G06F 7 /-
F16B 19 /-	2021338289	2018401582	2017360092	2018334392	2022205194
2021235735	F16M 13 /-	F41H 1 /-	2018209807	G05B 23 /-	G06F 9 /-
2023202471	2018322414	2022273526	2018244806	2018426458	2019341037
F16B 31 /-	F17D 5 /-	G01B 7 /-	2021257927	2022205194	2021293965
2018361223	2018399498	2022205194	G01N 35 /-	G05D 1 /-	G06G 5 /-
2018409856	F21V 13 /-	G01C 1 /-	2021257927	2020364319	2021271202
F16B 35 /-	2021380855	2022201415	G01R 19 /-	G05F 1 /-	G06N 10 /-
2023202471	F23D 14 /-	G01C 15 /-	2022205194	2018366282	2022200389
F16B 43 /-	2021217837	2022201415	G01R 31 /-	G06F 1 /-	2022235536
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F16B 5 /-	2021217837	2020417285	2018375175	G06F 15 /-	G06N 20 /-
2018409856	F24F 1 /-	G01F 1 /-	2021208878	2022200389	2018375175
F16H 25 /-	2019286195	2022202036	G01S 13 /-	2022202045	2020417285
2018231643	F24F 13 /-	G01F 23 /-	2019242191	G06F 16 /-	2020417285
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2018277525	F24H 1 /-	2022205194	2022202045	2021266178	2019217879
F16K 99 /-	2020379962	G01F 25 /-	G01S 7 /-	2021308239	2020417285
2021257927	F24H 4 /-	2021211183	2019242191	2022214554	G06N 99 /-
F16L 1 /-	2020379962	G01J 1 /-	G01T 1 /-	2022263576	2021239845
2018357073	2020438508	2018266417	2019304781	G06F 17 /-	G06Q 10 /-
			G02B 1 /-	2021229663	2018324118
				2021254863	
				2022200389	
				G06F 18 /-	

Applications Accepted - IPC Index cont'd

<u>G06Q 50 /-</u>	2018333668	<u>H01R 13 /-</u>	2020375220 2021263636	<u>H04W 8 /-</u>	
2018324118	<u>G10L 25 /-</u>	2021292753		2021311386	
<u>G06T 15 /-</u>	20212229663	<u>H01R 4 /-</u>	<u>H04H 20 /-</u>	<u>H04W 84 /-</u>	
2019295737 2021282413	<u>G16B 30 /-</u>	2021292753	2018333668	2021311386	
<u>G06T 17 /-</u>	2019446735 2021286337	<u>H01T 13 /-</u>	<u>H04L 5 /-</u>	<u>H05K 1 /-</u>	
2019226152	<u>G16B 45 /-</u>	2021217837	2020385206	2022202792	
<u>G06T 19 /-</u>	2021286337	<u>H02G 9 /-</u>	<u>H04L 9 /-</u>	<u>H05K 3 /-</u>	
2019295737 2022215283	<u>G16H 20 /-</u>	2018357073	2017395785 2018340671 2020416030 2021311386	2020257980	
<u>G06T 7 /-</u>	2019446735 2021268575	<u>H02H 5 /-</u>	<u>H04M 1 /-</u>	<u>H05K 5 /-</u>	
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<u>G06T 9 /-</u>	2019295737	<u>H02J 3 /-</u>	2021239845	<u>H05K 7 /-</u>	
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<u>G06V 10 /-</u>	2019446735	<u>H02J 7 /-</u>	2021239845	<u>H10N 60 /-</u>	
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<u>G06V 20 /-</u>	<u>H01F 27 /-</u>	<u>H02M 1 /-</u>	2020328402 2022221499 2023204180 2023204181 2023204182 2023204191		
2022215283	2021266350	2021380487	<u>H04R 25 /-</u>		
<u>G07C 13 /-</u>	<u>H01L 31 /-</u>	<u>H02M 3 /-</u>	2021235335		
2017395785	2022252710	2021380487	<u>H04R 5 /-</u>		
<u>G07D 1 /-</u>	<u>H01M 10 /-</u>	<u>H02M 5 /-</u>	2021235335		
2018330392	2018368199 2020320033	2021380487	<u>H04W 12 /-</u>		
<u>G07F 1 /-</u>	<u>H01M 4 /-</u>	<u>H02M 7 /-</u>	2021311386		
2018330392	2020320033 2022215191 2022329894	2021380487 2022204057	<u>H04W 16 /-</u>		
<u>G07F 11 /-</u>	<u>H01M 50 /-</u>	<u>H02P 27 /-</u>	2018401063		
2018350979	2018368199	2022204057	<u>H04W 4 /-</u>		
<u>G07F 9 /-</u>	<u>H01M 6 /-</u>	<u>H02P 5 /-</u>	2019471042 2021311386 2022202045 2022246461		
2018350979	2022215191	2022204057	<u>H04W 52 /-</u>		
<u>G09F 9 /-</u>	<u>H01M 8 /-</u>	2018322414	2019220486		
2022202792	2020399915	<u>H02S 40 /-</u>	<u>H04W 72 /-</u>		
<u>G09G 3 /-</u>	<u>H01Q 1 /-</u>	2020353609	2018412959		
2021368677	2018266417	<u>H03M 7 /-</u>	<u>H04W 74 /-</u>		
<u>G10K 11 /-</u>	<u>H01Q 19 /-</u>	2023203785	2019310936 2020385206		
2022201498	2021325865	<u>H04B 1 /-</u>	<u>H04W 76 /-</u>		
<u>G10L 15 /-</u>	<u>H01Q 21 /-</u>	2021263636	2021243081		
2018333668 2021229663 2021246985	2021263636	<u>H04B 7 /-</u>			
<u>G10L 19 /-</u>		2020369979			

Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Withdrawn

2016320551 **Oxford University Innovation Limited** (COOPER IP PTY. LTD.)

Opposition Dismissed

2017296317 **Armstrong World Industries, Inc.** (Laminex Group Pty Limited)

Applications Withdrawn

2018201633 **ESCO Group LLC** (CQMS Pty Ltd)

2018201634 **ESCO Group LLC** (CQMS PTY LTD)

2019201394 **ESCO Group LLC** (CQMS Pty Ltd)

Patents Granted

Standard Patents

2016331819	2016336515	2016425653	2017201318
2017206191	2017221780	2017232122	2017235333
2017240591	2017249424	2017249594	2017251699
2017252409	2017253267	2017258914	2017296007
2017299597	2017300616	2017306524	2017307956
2017308725	2017326535	2017329182	2017330443
2017334293	2017335902	2017336343	2017343812
2017347776	2017363823	2017363837	2017366895
2017368151	2017374947	2017377595	2017379094
2017381876	2017382363	2017382675	2017384027
2017388357	2017397430	2017408066	2017423797
2017438137	2018201183	2018201675	2018201676
2018201874	2018202137	2018202232	2018202288
2018203353	2018203360	2018204209	2018204342
2018204761	2018205258	2018205704	2018207300
2018208659	2018212974	2018214450	2018228269
2018231379	2018241068	2018252201	2018260096
2018260910	2018264809	2018265218	2018266243
2018271324	2018273141	2018275598	2018277036
2018278199	2018281331	2018281892	2018284274
2018287544	2018291051	2018293547	2018293920
2018298307	2018299229	2018303807	2018305454
2018312777	2018312863	2018313795	2018328112
2018328192	2018329467	2018335125	2018335587
2018335612	2018342471	2018346326	2018346331
2018346998	2018350848	2018356031	2018359655
2018364990	2018379172	2018382368	2018389092
2018414508	2018422676	2018427076	2018454447
2019200796	2019206560	2019213472	2019213854
2019216773	2019226572	2019227861	2019228917
2019231172	2019239273	2019239955	2019240023
2019241940	2019262116	2019276969	2019277150
2019280475	2019284918	2019290018	2019290197
2019300019	2019313199	2019330119	2019339446
2019343425	2019424684	2019425998	2019450775
2019452577	2019463160	2019463851	2019472434
2019475036	2019478931	2020204602	2020208176
2020218241	2020220512	2020229251	2020234441
2020235622	2020239160	2020252399	2020252969
2020253797	2020253878	2020257174	2020260931
2020262837	2020264105	2020272576	2020276667
2020277697	2020280911	2020290475	2020296188
2020300853	2020305430	2020306672	2020308163
2020309663	2020309775	2020310454	2020319112
2020323967	2020334262	2020339526	2020355359

Patents Granted

Standard Patents

2020362107	2020363016	2020363144	2020376138
2020378656	2020384121	2020384865	2020390789
2020407100	2020418285	2020419581	2020420030
2020434523	2020453094	2020466884	2021200029
2021200193	2021200540	2021201683	2021202832
2021202854	2021203700	2021204301	2021204323
2021204433	2021204735	2021204743	2021205081
2021211989	2021212021	2021212117	2021212133
2021213061	2021214350	2021215159	2021216601
2021221407	2021221437	2021221485	2021225146
2021225809	2021229240	2021231671	2021236527
2021236573	2021239327	2021240137	2021240160
2021240297	2021246513	2021250918	2021250920
2021257378	2021261837	2021261969	2021266323
2021266355	2021269344	2021273581	2021275732
2021277621	2021277627	2021277663	2021284167
2021286370	2021287784	2021290303	2021290322
2021298029	2021299284	2021301454	2021317121
2021325471	2021329443	2021337530	2021343430
2021349215	2021373070	2022200026	2022200112
2022200143	2022200282	2022200525	2022201015
2022201720	2022201798	2022202148	2022202206
2022202826	2022202887	2022203017	2022203323
2022203842	2022203912	2022204349	2022204351
2022204805	2022210967	2022218559	2022235591
2022252700	2022252723	2022252824	2022267043
2022268359	2022283696	2022283793	2023200869
2023201094	2023203552	2023204622	2023204655

Innovation Patents

2021107683 2023100094 2023100097

Assignments Registered

2005321550 ROSEN Swiss AG The patent has been assigned to **ROSEN IP AG**

2006200510 Mitsubishi Heavy Industries Engineering, Ltd.; The Kansai Electric Power Co., Inc. The patent has been assigned to **The Kansai Electric Power Co., Inc.; MITSUBISHI HEAVY INDUSTRIES, LTD.**

2007266459 VADovations, Inc. The patent has been assigned to **Star BP, Inc.**

2008257792 Academisch Ziekenhuis Leiden h.o.d.n. LUMC The patent has been assigned to **ISA Pharmaceuticals B.V.**

2008328538 Crossecom Pty Ltd The patent has been assigned to **Walnab Pty Ltd**

2010247938 Pfenex, Inc. The patent has been assigned to **PELIC-AN TECHNOLOGY HOLDINGS, INC.**

2011241458 Pristec AG The patent has been assigned to **RedMax GmbH & Co KG**

2011274854 Bonac Corporation The patent has been assigned to **Toray Industries, Inc.**

2012262665 The University of Melbourne; National ICT Australia Limited The patent has been assigned to **The University of Melbourne**

2012345813 Boehringer Ingelheim Animal Health USA Inc. The patent has been assigned to **Boehringer Ingelheim Vetmedica GmbH**

2012385553 An, Chun The patent has been assigned to **ELP Corporation Limited**

Assignments Registered

2013203301 VADovations, Inc. The patent has been assigned to **Star BP, Inc.**

2013205259 Academisch Ziekenhuis Leiden h.o.d.n. LUMC The patent has been assigned to **ISA Pharmaceuticals B.V.**

2013328267 OXENERGY LTD. The patent has been assigned to **PHINERGY LTD**

2013401876 Caravelas Corporation The patent has been assigned to **DiversiTech Corporation**

2014277812 Collins, Keith Leslie The patent has been assigned to **ECO Cooling Options Pty Ltd**

2014277812 AIR TEAM PTY LTD The patent has been assigned to **Collins, Keith Leslie**

2014363454 EXERGENE Technologie GmbH The patent has been assigned to **Viega Technology GmbH & Co. KG**

2015213420 Academisch Ziekenhuis Leiden h.o.d.n. LUMC The patent has been assigned to **ISA Pharmaceuticals B.V.**

2015337848 National ICT Australia Limited; The University of Melbourne The patent has been assigned to **The University of Melbourne**

2015373071 Bonac Corporation The patent has been assigned to **Toray Industries, Inc.**

2016203224 Pfenex, Inc. The patent has been assigned to **PELICAN TECHNOLOGY HOLDINGS, INC.**

2016216571 THOMSEN, Garry The patent has been assigned to **THOMSEN, Garry; MAVRINAC, Paul**

2016253590 Electrical Engineering Solutions Pty Ltd The patent has been assigned to **POE-X Pty Ltd**

2016330395 Electrical Engineering Solutions Pty Ltd The patent has been assigned to **POE-X Pty Ltd**

2016346703 Takeuchi, Hirofumi; Bonac Corporation The patent has been assigned to **Takeuchi, Hirofumi; Toray Industries, Inc.**

2017200177 Boehringer Ingelheim Animal Health USA Inc. The patent has been assigned to **Boehringer Ingelheim Vetmedica GmbH**

2017202609 Academisch Ziekenhuis Leiden h.o.d.n. LUMC The patent has been assigned to **ISA Pharmaceuticals B.V.**

2017229328 Pedilay Care GmbH The patent has been assigned to **KOB GmbH**

2017268548 Boehringer Ingelheim Animal Health USA Inc. The patent has been assigned to **Boehringer Ingelheim Vetmedica GmbH**

2017373641 ROSEN Swiss AG The patent has been assigned to **ROSEN IP AG**

2019226164 Free Form Factory Inc. The patent has been assigned to **Ember Motors, Inc.**

2020210096 Novus 48 Limited The patent has been assigned to **Ten 47 Limited**

2020257040 Electrical Engineering Solutions Pty Ltd The patent has been assigned to **POE-X Pty Ltd**

2020271630 ROSEN Swiss AG The patent has been assigned to **ROSEN IP AG**

Assignments Registered

2021106493 Electrical Engineering Solutions Pty Ltd The patent has been assigned to **POE-X Pty Ltd**

2021106495 Electrical Engineering Solutions Pty Ltd The patent has been assigned to **POE-X Pty Ltd**

2021106497 Electrical Engineering Solutions Pty Ltd The patent has been assigned to **POE-X Pty Ltd**

2021106503 Electrical Engineering Solutions Pty Ltd The patent has been assigned to **POE-X Pty Ltd**

2021107006 Electrical Engineering Solutions Pty Ltd The patent has been assigned to **POE-X Pty Ltd**

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Filed

The following application(s) for Extension of Term under Section 70 have been made and are open for public inspection.

2009219232 **Novo Nordisk A/S**
The earliest first regulatory approval date provided by the patentee 05 Jun 2023
For the goods ESPEROCT turoctocog alfa pegol

2016305075 **Legend Biotech Ireland Limited**
The earliest first regulatory approval date provided by the patentee 06 Jun 2023
For the goods CARVYKTI T cells-Ciltacabtagene autoleucl, cryop-reserved

2017311089 **Legend Biotech Ireland Limited**
The earliest first regulatory approval date provided by the patentee 06 Jun 2023
For the goods CARVYKTI T cells-Ciltacabtagene autoleucl, cryop-reserved

2020200151 **LEGEND BIOTECH IRELAND LIMITED**
The earliest first regulatory approval date provided by the patentee 06 Jun 2023
For the goods CARVYKTI T cells-Ciltacabtagene autoleucl, cryop-reserved

2021200453 **LEGEND BIOTECH IRELAND LIMITED**
The earliest first regulatory approval date provided by the patentee 06 Jun 2023
For the goods CARVYKTI T cells-Ciltacabtagene autoleucl, cryop-reserved

Applications Accepted

The following application(s) for Extension of Term have been accepted under Section 74.

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2012200203 **Pfizer Products Inc.**
The earliest first regulatory approval date provided by the patentee 23 Jun 2023
For the goods IMJUDO tremelimumab
Address for service : PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

Corrigenda

In Vol 57 , No 49 , Page(s) 7082 under the heading **Amendments - Application for Amendments** Under the name CSR Building Products Limited, Application No. 2019101382 correct the date of the statements filed to read 26 Aug 2022, 06 Sep 2023

In Vol 57 , No 49 , Page(s) 7178 under the heading **Applications Accepted - Name Index** Under the name ASAHI KASEI PHARMA CORPORATION , VERNALIS (R&D) LIMITED , Application No. 2020471055, under INID (54) correct the title to read Pyrimidine- and nitrogen-containing bicyclic compound

Specifications Republished

The following specifications contained errors when advertised OPI, Accepted or Certified. They have been reissued on the date of this Journal.

- 2021358470 **I R KINETICS LIMITED**
- 2021449810 **XYPHOS BIOSCIENCES INC.**
- 2022267324 **SAREPTA THERAPEUTICS, INC.**
- 2022271679 **ADIENNE S.A.**
- 2022278634 **CELLECTIS S.A.; ALBERT-LUDWIGS-UNIVERSITÄT FREIBURG**
- 2022281312 **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA**
- 2022281328 **SANGAMO THERAPEUTICS, INC.**
- 2022282828 **OXFORD UNIVERSITY INNOVATION LIMITED**
- 2022283467 **SEAGEN INC.**
- 2022288744 **MEDIANEZIA GMBH**
- 2022291369 **XYPHOS BIOSCIENCES INC.**