



**Australian Government**

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**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](http://www.ipaustralia.gov.au)  
or contact our Customer Service Network on 1300651010*

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*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).

**NOTE:** When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.

## 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>
<b>A) Provisional applications filed - Name Index</b>		<b>B) Complete application filed - Name Index</b>	
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 No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
<b>C) Applications open to public inspection Name Index</b>		<b>D) Applications accepted - Name Index</b>	
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>
<b>E) Patents Certified – Name Index</b>	
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)<sub>2</sub>, (51)<sub>3</sub>, (51)<sub>4</sub> and (51)<sub>5</sub>.

(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 -

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 26 Nov 2024 .

(71) Abdulkader, N. (21) 2024903950 (22) 29.11.2024 (54) Charging socket with data cable	(71) Australian National University (21) 2024903913 (22) 27.11.2024 (54) Designer proteins with improved properties	(71) CathRx Ltd (21) 2024903988 (22) 02.12.2024 (54) Surgical Clamp
<b>Abdul Khader, A.R. see Abdul Khader, A.H.</b> (21) 2024903972	(71) Aztec Australasia Pty Ltd (21) 2024903994 (22) 03.12.2024 (54) ROOF COLLAR ASSEMBLY	<b>Catts, J.H. see Catts, J.E.</b> (21) 2024903910
(71) Abdul Khader, A.H.; Abdul Khader, A.R. (21) 2024903972 (22) 29.11.2024 (54) Intelligent Vehicle Speed Detection and Enforcement System	(71) BBU Pty Ltd (21) 2024903985 (22) 02.12.2024 (54) BIMINI APPARTUSES AND METHODS	(71) Catts, J.E.; Catts, J.H. (21) 2024903910 (22) 27.11.2024 (54) A platform for mounting to a panel edge
(71) Aitchison, D. (21) 2024903964 (22) 29.11.2024 (54) A pet pool	(71) Beckett, R. (21) 2024903958 (22) 29.11.2024 (54) Equipment and process for bicarbonate production from carbon dioxide substrate	<b>Children's Cancer Institute Australia see NewSouth Innovations Pty Limited</b> (21) 2024903963
(71) Alnaaz Pty Ltd (21) 2024903976 (22) 01.12.2024 (54) Service Matching Platform and Method	(71) Beckett, R. (21) 2024903995 (22) 03.12.2024 (54) A process for increasing the concentrations of thiamine dependent enzyme proteins in a mammal	(71) Cleggett, R. (21) 2024903996 (22) 03.12.2024 (54) Apparatus for protecting a structure from fire or for extinguishing a structure on fire
<b>ANDREW PATRICK see FONTERRA CO-OPERATIVE GROUP LIMITED</b> (21) 2024903904	(71) Biolifter Pty Ltd (21) 2024903984 (22) 02.12.2024 (54) A METHOD OF PRODUCING AN ORGANIC FERTILISER COMPOSITION FROM WEEDS	(71) CODEY DUNDAS; DUNDAS, D. (21) 2024903979 (22) 02.12.2024 (54) Bamboo Delineation Post for the mining and construction industries
(71) Auckland UniServices Limited (21) 2024903903 (22) 27.11.2024 (54) CELLULAR REPROGRAMMING III	(71) Bondi Bio Pty Ltd (21) 2024903937 (22) 28.11.2024 (54) CYANOBACTERIAL VACCINES	(71) Copp, S. (21) 2024903931 (22) 28.11.2024 (54) SINKERS
(71) Auckland UniServices Limited (21) 2024903955 (22) 29.11.2024 (54) CELLULAR REPROGRAMMING II	(71) Carew, J. (21) 2024903971 (22) 29.11.2024 (54) Loguition is a new solution application and tool set enabling the incorporation of both Logic and Intuition into making choices.	(71) CRC CARE Pty Ltd (21) 2024903892 (22) 26.11.2024 (54) CLAY SPREAD OR LAYER
(71) AUCKLAND UNISERVICES LIMITED (21) 2024903953 (22) 29.11.2024 (54) Compounds for anti-obesity and fat loss		(71) Diamond, T. (21) 2024903974 (22) 30.11.2024 (54) An apparatus for transporting goods up or down an incline

Provisional Applications Filed - Name Index cont'd

(71) Divas Beverages Australia Pty Ltd  
(21) 2024903980 (22) 02.12.2024  
(54) Method and Procedure for Producing a Wine Base for Further Manufacture

(71) Dorel Australia Pty Ltd  
(21) 2024903952 (22) 29.11.2024  
(54) A child safety seat rotatably mounted on a base

**DUNDAS, D. see CODEY DUNDAS**  
(21) 2024903979

(71) eBEER Pty Ltd  
(21) 2024903969 (22) 29.11.2024  
(54) FERMENTATION METHODS

(71) ENGINEERINGX HOLDING LIMITED  
(21) 2024903906 (22) 27.11.2024  
(54) Systems and Methods for Road Design

(71) Filmer, A.O.  
(21) 2024903896 (22) 26.11.2024  
(54) Method of precipitating magnesium carbonate

(71) Fitzgerald, N.  
(21) 2024903993 (22) 03.12.2024  
(54) Bedsheet Attachment System for Commercial Accommodation

(71) FONTERRA CO-OPERATIVE GROUP LIMITED; ROLANDO SALTINI; IMAD AL KASSAA; ANDREW PATRICK; GEOFFREY SHAUN STEVENS  
(21) 2024903904 (22) 27.11.2024  
(54) HN019 FERMENTATION PRODUCT

(71) Fortescue Future Industries Pty Ltd  
(21) 2024903967 (22) 29.11.2024  
(54) Cathode for electrolytic reduction of a slurry comprising metal-bearing mineral ore particles

(71) Fortescue Future Industries Pty Ltd  
(21) 2024903968 (22) 29.11.2024  
(54) Ultra-Low NOx Emission Gas Burners

(71) Fortescue Ltd  
(21) 2024903939 (22) 28.11.2024  
(54) Method and apparatus for the beneficiation of ore

(71) Fortitude Essentials Pty Ltd  
(21) 2024903934 (22) 28.11.2024  
(54) Temperature Safety Device

(71) Fullerton, M.  
(21) 2024903919 (22) 28.11.2024  
(54) DEVICE, COMPONENTS, AND KITS FOR APPLYING HAIR COMPOSITIONS AND THE MANUFACTURE AND USE THEREOF

**GEOFFREY SHAUN STEVENS see FONTERRA CO-OPERATIVE GROUP LIMITED**  
(21) 2024903904

(71) Geographe Enterprises Pty Ltd  
(21) 2024903970 (22) 29.11.2024  
(54) Fitting Apparatus and System Thereof

(71) Gillies, A.  
(21) 2024903981 (22) 02.12.2024  
(54) AN AGRICULTURAL COUPLER AND AN AGRICULTURAL IMPLEMENT ASSEMBLY HAVING A FLEXIBLE TINE, COUPLER AND A DEPTH OR PRESS WHEEL

**GLASSON, N.D. see RANGI, W.N.**  
(21) 2024903956

(71) Gomez, R.  
(21) 2024903997 (22) 03.12.2024  
(54) A PROCESS TO ACIDIFY THE ANODE ELECTRODE AND ALKALINIFY THE CATHODE ELECTRODE OF A PROTON ELECTROLYTIC MEMBRANE FUEL CELL

(71) GONSALVEZ, C.  
(21) 2024903933 (22) 28.11.2024  
(54) Word of God Rosary -Catch Phrase Rosary

(71) Grisbrook, R.  
(21) 2024903921 (22) 28.11.2024  
(54) Support Device

**Haines, K. see Haines, D.**  
(21) 2024903897

(71) Haines, D.; Haines, K.  
(21) 2024903897 (22) 26.11.2024  
(54) Wall Structure Assembly Method and System

(71) Herrid, M.  
(21) 2024903914 (22) 27.11.2024  
(54) Method for Producing High-Estimated Breeding Value Animals Using Genotyped Cell Lines and Cloning Techniques

(71) Holmes, T.  
(21) 2024903989 (22) 02.12.2024  
(54) A CONNECTION SYSTEM FOR ANCHOURING MEMBERS TO CAST STRUCTURES

**IMAD AL KASSAA see FONTERRA CO-OPERATIVE GROUP LIMITED**  
(21) 2024903904

(71) INNOVATION SOLUTIONS  
(21) 2024903978 (22) 01.12.2024  
(54) Drilling Sub 2

(71) International Medical Research Pty Ltd  
(21) 2024903918 (22) 27.11.2024  
(54) Safety Packaging or Container for a Trocar

(71) Kelly Plant & Equipment Pty Ltd  
(21) 2024903983 (22) 02.12.2024  
(54) Burying elongate elements

(71) Knight, D.  
(21) 2024903898 (22) 26.11.2024  
(54) BRATTICE RETENTION DEVICE AND SYSTEM

(71) L'AMOUR YOGA INSTITUTE PTY. LTD.  
(21) 2024903992 (22) 03.12.2024  
(54) Psychosocial Risk Analyser tool

(71) LIKE THIS GROUP PTY LTD  
(21) 2024903917 (22) 27.11.2024  
(54) ATTACHMENT DEVICE

(71) Loc Builder Pty Ltd  
(21) 2024903916 (22) 27.11.2024  
(54) LOCATION CODE GENERATOR

(71) Macdonald, J.  
(21) 2024903907 (22) 27.11.2024  
(54) Scouring device for boiling water chambers

(71) Marshall, L.  
(21) 2024903905 (22) 27.11.2024  
(54) Height-Setting Bracket for Structural Support and Alignment

(71) Matson, P.  
(21) 2024903922 (22) 28.11.2024  
(54) THE SELF PROPELLED - GRAVITY POWERED POWER PLANT & DESALINATION PLANT

Provisional Applications Filed - Name Index cont'd

(71) Matson, P.  
(21) 2024903962 (22) 29.11.2024  
(54) THE SELF PROPELLED - GRAVITY  
POWERED POWER PLANT & DESAL-  
INATION PLANT

(71) McCaughan, R.  
(21) 2024903998 (22) 03.12.2024  
(54) Soak Well

(71) McLean, T.  
(21) 2024903959 (22) 29.11.2024  
(54) A GRAIN BULKHEAD PROTECTION  
APPARATUS AND METHOD

(71) MicroTau IP Pty Ltd  
(21) 2024903951 (22) 29.11.2024  
(54) Riblet sub-assembly and method of  
manufacturing and applying same

(71) Miles, S.  
(21) 2024904006 (22) 03.12.2024  
(54) AN ACCESSORY FOR A MOTOR  
VEHICLE

(71) Minelab Electronics Pty. Limited  
(21) 2024903949 (22) 29.11.2024  
(54) IMPROVED METAL DETECTOR

(71) MORSE MICRO PTY. LTD.  
(21) 2024903944 (22) 29.11.2024  
(54) Energy detection methods and devices  
in a wireless communication network

(71) MUCPHARM PTY LTD  
(21) 2024903991 (22) 02.12.2024  
(54) METHODS FOR REDUCING THE  
TOXICITY OF MUCIN AFFECTING  
PROTEASES

(71) NBRYO PTY LTD  
(21) 2024903954 (22) 29.11.2024  
(54) Microfluidic device and methods

(71) NewSouth Innovations Pty Limited  
(21) 2024903895 (22) 26.11.2024  
(54) Singlet fission for photovoltaic devices

(71) NewSouth Innovations Pty Limited  
(21) 2024903924 (22) 28.11.2024  
(54) A method of protecting solar cells from  
ion-induced degradation

(71) NewSouth Innovations Pty Limited  
(21) 2024903946 (22) 29.11.2024  
(54) Process of fabricating lead zirconate ti-  
tate (PZT) based devices

(71) NewSouth Innovations Pty Limited  
(21) 2024903947 (22) 29.11.2024  
(54) Advanced piezoelectric microlens actu-  
ator

(71) NewSouth Innovations Pty Limited;  
Children's Cancer Institute Australia  
(21) 2024903963 (22) 29.11.2024  
(54) Anticancer compounds

(71) OLEOLOGY Pty Ltd  
(21) 2024903965 (22) 29.11.2024  
(54) NITROGEN SPECIES REMOVAL  
FROM WATER

(71) ONeill, R.  
(21) 2024903943 (22) 29.11.2024  
(54) Limiting Alcoholic Drink Dispenser

(71) Open Minded Enterprises Pty Ltd  
(21) 2024903999 (22) 03.12.2024  
(54) Helmet

(71) Pagden, K.  
(21) 2024903920 (22) 28.11.2024  
(54) Interlocking biodegradable food and  
pharmacy thermal freight liner.

(71) Pavino, H.  
(21) 2024903926 (22) 28.11.2024  
(54) Double-Acting Jackhammer

(71) Power, R.  
(21) 2024903928 (22) 28.11.2024  
(54) Split Shank Bolt

(71) PROACTIVE INJURY MANAGEMENT  
SOLUTIONS PTY LTD  
(21) 2024903938 (22) 28.11.2024  
(54) AI-Powered Tool for Recording, Tran-  
scribing, and Summarising Medical  
Consultations and Phone Calls

(71) QBiotics Pty Ltd  
(21) 2024903927 (22) 28.11.2024  
(54) Novel processes and compounds pro-  
duced thereby

(71) Queensland University of Technology  
(21) 2024903986 (22) 02.12.2024  
(54) Method of genetically modifying plants

(71) RAGE Biotech Pty Ltd  
(21) 2024903908 (22) 27.11.2024  
(54) Methods of minimising the effects of  
dust exposure

(71) RANGI, W.N.; GLASSON, N.D.  
(21) 2024903956 (22) 29.11.2024  
(54) STORAGE VESSEL WITH A LIQUID  
LEVEL SENSOR ARRANGEMENT

(71) ResMed Pty Ltd  
(21) 2024903901 (22) 27.11.2024  
(54) Patient Interfaces And Frames For A  
Patient Interface

(71) Ricciardo, G.G.  
(21) 2024904005 (22) 03.12.2024  
(54) Construction systems and construction  
elements

(71) Roach Enterprises Pty Ltd  
(21) 2024904001 (22) 03.12.2024  
(54) Locking Collar and uses thereof

**ROLANDO SALTINI see FONTERRA CO-  
OPERATIVE GROUP LIMITED**  
(21) 2024903904

(71) Royal Melbourne Institute of Techno-  
logy  
(21) 2024903957 (22) 29.11.2024  
(54) Treatment of spotty liver disease

(71) Sakr, A.  
(21) 2024903942 (22) 28.11.2024  
(54) A releasable tag system for tag sports

(71) Scaffoldcover Holdings IP Pty Ltd  
(21) 2024904003 (22) 03.12.2024  
(54) Modular Scaffolding Cladding System

(71) Scolaro, A.  
(21) 2024903982 (22) 02.12.2024  
(54) A Power Drive

(71) Sea Forest Limited  
(21) 2024903932 (22) 28.11.2024  
(54) ANTI-METHANOGENIC COMPOSI-  
TIONS

(71) Seeing Machines Limited  
(21) 2024903911 (22) 27.11.2024  
(54) COMPACT INTEGRATED OCCUPANT  
MONITORING CAMERA

(71) Sharp Initiatives Pty Ltd; Wheeler, A.  
(21) 2024903977 (22) 01.12.2024  
(54) Innovative Methodology that uses a  
heavy-duty hinge product, derived  
from the design of equivalent heavy-  
duty gate hinges, as swivels to cause  
a Modular Structural Insulation Panel  
(SIP) System of at least 4 inter-con-  
nected Party Walls to form the shape that  
is required for that System to be trans-

Provisional Applications Filed - Name Index cont'd

ported by road or rail. Then, on delivery, such heavy-duty hinges are used again to cause that Modular SIP System to constitute the shape required for it to be installed on-site.

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(71) SIMPLE PARLAY PTY LTD  
(21) 2024903966 (22) 29.11.2024  
(54) GAMEPLAY METHOD AND SYSTEM

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(71) Sino Iron Holdings Pty Ltd  
(21) 2024903902 (22) 27.11.2024  
(54) A method and system for minimising damage in a mill

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(71) SPIRAL BLUE PTY LTD  
(21) 2024903948 (22) 29.11.2024  
(54) A RANGING SYSTEM, METHOD AND SATELLITE FOR RANGING A TARGET OBJECT

---

(71) St Vincent's Institute of Medical Research  
(21) 2024903912 (22) 27.11.2024  
(54) Assays for T-cell responses

---

(71) Su, Y.  
(21) 2024903925 (22) 28.11.2024  
(54) Wall-mounted hair dryer for arthritis patients and otherwise bodily impaired.

---

(71) Swinburne University of Technology  
(21) 2024903929 (22) 28.11.2024  
(54) An aircraft payload delivery system

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(71) Swinburne University of Technology  
(21) 2024903930 (22) 28.11.2024  
(54) Kinematic Aircraft Docking System

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(71) Technological Resources Pty. Limited  
(21) 2024903941 (22) 28.11.2024  
(54) A METAL-CONTAINING MATERIAL PROCESSING OPERATION

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(71) The Florey Institute of Neuroscience and Mental Health  
(21) 2024903909 (22) 27.11.2024  
(54) Treatment of motor neurone disease

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(71) The University of Adelaide  
(21) 2024903987 (22) 02.12.2024  
(54) PACKAGING MATERIALS AND METHODS OF PRODUCING THE SAME

---

(71) The University of Melbourne  
(21) 2024903935 (22) 28.11.2024  
(54) A microneedle device and a method of forming a microneedle device

(71) The University of Melbourne  
(21) 2024903945 (22) 29.11.2024  
(54) Direct air capture with integrated CO2 reduction

---

(71) The University of Queensland  
(21) 2024903990 (22) 02.12.2024  
(54) MODIFIED NUCLEIC ACID MOLECULES AND USES THEREOF

---

(71) Think Recycles Pty Ltd  
(21) 2024903940 (22) 28.11.2024  
(54) Fence Dropper and Installation Apparatus

---

(71) Tiffany Christina IP Pty Ltd  
(21) 2024903923 (22) 28.11.2024  
(54) Vertically Adjustable Ceiling Alarm System And Method

---

(71) TSAKMAKIDIS, W.  
(21) 2024903915 (22) 27.11.2024  
(54) TOILET BRUSH WASHING APPARATUS & KIT

---

(71) University of South Australia  
(21) 2024903936 (22) 28.11.2024  
(54) Compositions for in situ implant formation

---

(71) VADA DIGITAL LIMITED  
(21) 2024903899 (22) 26.11.2024  
(54) EXERCISE OR SPORTING GARMENT WITH SENSORS

---

(71) Victoria Link Limited  
(21) 2024903960 (22) 29.11.2024  
(54) ANTIVIRAL IMINO-C-NUCLEOSIDE 6,6-BICYCLIC ANALOGUES

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**Wheeler, A. see Sharp Initiatives Pty Ltd**  
(21) 2024903977

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(71) Zipform Packaging Pty Ltd  
(21) 2024903961 (22) 29.11.2024  
(54) A CONTAINER FOR CONTAINING PERISHABLE GOODS

Numerical Index

<b>2024903892</b>	CRC CARE Pty Ltd	<b>2024903960</b>	Victoria Link Limited
<b>2024903895</b>	NewSouth Innovations Pty Limited	<b>2024903961</b>	Zipform Packaging Pty Ltd
<b>2024903896</b>	Filmer, A.O.	<b>2024903962</b>	Matson, P.
<b>2024903897</b>	Haines, D.; Haines, K.	<b>2024903963</b>	NewSouth Innovations Pty Limited; Children's Cancer Institute Australia
<b>2024903898</b>	Knight, D.	<b>2024903964</b>	Aitchison, D.
<b>2024903899</b>	VADA DIGITAL LIMITED	<b>2024903965</b>	OLEOLOGY Pty Ltd
<b>2024903901</b>	ResMed Pty Ltd	<b>2024903966</b>	SIMPLE PARLAY PTY LTD
<b>2024903902</b>	Sino Iron Holdings Pty Ltd	<b>2024903967</b>	Fortescue Future Industries Pty Ltd
<b>2024903903</b>	Auckland UniServices Limited	<b>2024903968</b>	Fortescue Future Industries Pty Ltd
<b>2024903904</b>	FONTERRA CO-OPERATIVE GROUP LIMITED; ROLANDO SALTINI; IMAD AL KASSAA; ANDREW PATRICK; GEOFFREY SHAUN STEVENS	<b>2024903969</b>	eBEER Pty Ltd
<b>2024903905</b>	Marshall, L.	<b>2024903970</b>	Geographe Enterprises Pty Ltd
<b>2024903906</b>	ENGINEERINGX HOLDING LIMITED	<b>2024903971</b>	Carew, J.
<b>2024903907</b>	Macdonald, J.	<b>2024903972</b>	Abdul Khader, A.H.; Abdul Khader, A.R.
<b>2024903908</b>	RAGE Biotech Pty Ltd	<b>2024903974</b>	Diamond, T.
<b>2024903909</b>	The Florey Institute of Neuroscience and Mental Health	<b>2024903976</b>	Alnaaz Pty Ltd
<b>2024903910</b>	Catts, J.E.; Catts, J.H.	<b>2024903977</b>	Sharp Initiatives Pty Ltd; Wheeler, A.
<b>2024903911</b>	Seeing Machines Limited	<b>2024903978</b>	INNOVATION SOLUTIONS
<b>2024903912</b>	St Vincent's Institute of Medical Research	<b>2024903979</b>	CODEY DUNDAS; DUNDAS, D.
<b>2024903913</b>	Australian National University	<b>2024903980</b>	Divas Beverages Australia Pty Ltd
<b>2024903914</b>	Herrid, M.	<b>2024903981</b>	Gillies, A.
<b>2024903915</b>	TSAKMAKIDIS, W.	<b>2024903982</b>	Scolaro, A.
<b>2024903916</b>	Loc Builder Pty Ltd	<b>2024903983</b>	Kelly Plant & Equipment Pty Ltd
<b>2024903917</b>	LIKE THIS GROUP PTY LTD	<b>2024903984</b>	Biolifter Pty Ltd
<b>2024903918</b>	International Medical Research Pty Ltd	<b>2024903985</b>	BBU Pty Ltd
<b>2024903919</b>	Fullerton, M.	<b>2024903986</b>	Queensland University of Technology
<b>2024903920</b>	Pagden, K.	<b>2024903987</b>	The University of Adelaide
<b>2024903921</b>	Grisbrook, R.	<b>2024903988</b>	CathRx Ltd
<b>2024903922</b>	Matson, P.	<b>2024903989</b>	Holmes, T.
<b>2024903923</b>	Tiffany Christina IP Pty Ltd	<b>2024903990</b>	The University of Queensland
<b>2024903924</b>	NewSouth Innovations Pty Limited	<b>2024903991</b>	MUCPHARM PTY LTD
<b>2024903925</b>	Su, Y.	<b>2024903992</b>	L'AMOUR YOGA INSTITUTE PTY. LTD.
<b>2024903926</b>	Pavino, H.	<b>2024903993</b>	Fitzgerald, N.
<b>2024903927</b>	QBiotics Pty Ltd	<b>2024903994</b>	Aztec Australasia Pty Ltd
<b>2024903928</b>	Power, R.	<b>2024903995</b>	Beckett, R.
<b>2024903929</b>	Swinburne University of Technology	<b>2024903996</b>	Cleggett, R.
<b>2024903930</b>	Swinburne University of Technology	<b>2024903997</b>	Gomez, R.
<b>2024903931</b>	Copp, S.	<b>2024903998</b>	McCaughan, R.
<b>2024903932</b>	Sea Forest Limited	<b>2024903999</b>	Open Minded Enterprises Pty Ltd
<b>2024903933</b>	GONSALVEZ, C.	<b>2024904001</b>	Roach Enterprises Pty Ltd
<b>2024903934</b>	Fortitude Essentials Pty Ltd	<b>2024904003</b>	Scaffcover Holdings IP Pty Ltd
<b>2024903935</b>	The University of Melbourne	<b>2024904005</b>	Ricciardo, G.G.
<b>2024903936</b>	University of South Australia	<b>2024904006</b>	Miles, S.
<b>2024903937</b>	Bondi Bio Pty Ltd		
<b>2024903938</b>	PROACTIVE INJURY MANAGEMENT SOLUTIONS PTY LTD		
<b>2024903939</b>	Fortescue Ltd		
<b>2024903940</b>	Think Recyclates Pty Ltd		
<b>2024903941</b>	Technological Resources Pty. Limited		
<b>2024903942</b>	Sakr, A.		
<b>2024903943</b>	ONEILL, R.		
<b>2024903944</b>	MORSE MICRO PTY. LTD.		
<b>2024903945</b>	The University of Melbourne		
<b>2024903946</b>	NewSouth Innovations Pty Limited		
<b>2024903947</b>	NewSouth Innovations Pty Limited		
<b>2024903948</b>	SPIRAL BLUE PTY LTD		
<b>2024903949</b>	Minelab Electronics Pty. Limited		
<b>2024903950</b>	Abdulkader, N.		
<b>2024903951</b>	MicroTau IP Pty Ltd		
<b>2024903952</b>	Dorel Australia Pty Ltd		
<b>2024903953</b>	AUCKLAND UNISERVICES LIMITED		
<b>2024903954</b>	NBRYO PTY LTD		
<b>2024903955</b>	Auckland UniServices Limited		
<b>2024903956</b>	RANGI, W.N.; GLASSON, N.D.		
<b>2024903957</b>	Royal Melbourne Institute of Technology		
<b>2024903958</b>	Beckett, R.		
<b>2024903959</b>	McLean, T.		

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 26 Nov 2024 .

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

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(71) 1934612 Ontario Inc.  
 (21) 2024267115 (22) 03.12.2024  
 (54) APPARATUS, SYSTEMS, AND METHODS FOR PURIFYING A FLUID WITH A SILICON CARBIDE MEMBRANE

---

(71) Abbott Diabetes Care Inc.  
 (21) 2024266957 (22) 28.11.2024  
 (54) Focused sterilization and sterilized sub-assemblies for analyte monitoring systems

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(71) Abiomed Europe GmbH  
 (21) 2024267097 (22) 02.12.2024  
 (54) Blood pump

---

(71) ACUSENSUS IP PTY LTD  
 (21) 2024267099 (22) 02.12.2024  
 (54) A safety warning system

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(71) Agripower Australia Limited  
 (21) 2024266965 (22) 28.11.2024  
 (54) Method for extracting soluble Si from an amorphous SiO<sub>2</sub> bearing material

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(71) Allis Technology Pty Ltd  
 (21) 2024267066 (22) 29.11.2024  
 (54) A monitoring system responsive to multi-functional validation

---

(71) Altro Building Systems Pty Ltd  
 (21) 2024267027 (22) 29.11.2024  
 (54) QUICK RELEASE MOUNTING BRACKET ASSEMBLY

---

(71) Amgen Inc.  
 (21) 2024267090 (22) 02.12.2024  
 (54) Methods For Harvesting Mammalian Cell Cultures

---

(71) Amicus Therapeutics, Inc.  
 (21) 2024266945 (22) 27.11.2024  
 (54) METHODS OF ENHANCING AND/OR STABILIZING CARDIAC FUNCTION IN PATIENTS WITH FABRY DISEASE

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(71) Angel Group Co., Ltd.  
 (21) 2024266958 (22) 28.11.2024  
 (54) CHIP RECOGNIZING AND LEARNING SYSTEM

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(71) Angel Group Co., Ltd.  
 (21) 2024267049 (22) 29.11.2024  
 (54) Game management system

---

(71) Apex Valves Limited  
 (21) 2024267018 (22) 29.11.2024  
 (54) AUTOMATIC FAUCET ASSEMBLY

---

(71) Apple Inc.  
 (21) 2024266919 (22) 27.11.2024  
 (54) Implementation of biometric authentication

---

(71) Apple Inc.  
 (21) 2024266923 (22) 27.11.2024  
 (54) User interfaces for viewing live video feeds and recorded video

---

(71) Arbutus Biopharma Corporation  
 (21) 2024267031 (22) 29.11.2024  
 (54) SCREENING METHOD FOR SELECTED AMINO LIPID-CONTAINING COMPOSITIONS

---

(71) Architectural Window Systems Pty Ltd  
 (21) 2024266930 (22) 27.11.2024  
 (54) A curtain wall

---

(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2024266988 (22) 28.11.2024  
 (54) A MULTI-GAME GAMING MACHINE

---

(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2024267036 (22) 29.11.2024  
 (54) ENHANCED VISUALIZATION OF GAME WAGER OUTCOMES PROVIDED BY SYMBOL COLLECTORS IN A GAME DISPLAY

---

(71) Arranta Bio Holdings, LLC  
 (21) 2024267034 (22) 29.11.2024  
 (54) Compositions for preserving anaerobic microorganisms and methods of making and using the same

---

(71) Ascendis Pharma A/S  
 (21) 2024267047 (22) 29.11.2024  
 (54) Degradable hyaluronic acid hydrogels

---

(71) ASC Regenity Ltd  
 (21) 2024267003 (22) 28.11.2024  
 (54) Cosmetic formulation for topical administration comprising novel peptides that improve appearance and regeneration of skin

---

(71) AstraZeneca AB  
 (21) 2024266949 (22) 28.11.2024  
 (54) METHODS AND COMBINATIONS FOR THE TREATMENT OF CANCER USING IMMUNE CHECKPOINT INHIBITOR ANTIBODIES

---

(71) ATHENA PHARMACEUTIQUES SAS  
 (21) 2024267093 (22) 02.12.2024  
 (54) METHOD FOR PREPARATION OF LISDEXAMFETAMINE DIMESYLATE DISPERSIBLE TABLET

---

(71) ATX Pharmers LLC  
 (21) 2024270625 (22) 03.12.2024  
 (54) LOW DOSE PSILOCYBIN IN FOOD-STUFF AND MICROBES FOR SAME

---

(71) AUSTAND EDUNBURGH ELEVATORS PTY LTD; ZHANG, J.  
 (21) 2024267080 (22) 02.12.2024  
 (54) COUNTERWEIGHT-LESS (CWL)MODULAR ELEVATOR/ LIFT

---

(71) Avalyn Pharma Inc.  
 (21) 2024267029 (22) 29.11.2024  
 (54) AEROSOL PIRFENIDONE AND PYRIDONE ANALOG COMPOUNDS

---

(71) AXS Group LLC  
 (21) 2024267114 (22) 03.12.2024  
 (54) SYSTEMS AND METHODS FOR PROVIDING TEMPORARY ACCESS CREDENTIALS TO ACCESS PHYSICAL LOCATIONS

---

(71) Azra SHS Tech Inc.  
 (21) 2024267022 (22) 29.11.2024  
 (54) Durable superhydrophobic coating

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(71) Baker Hughes Oilfield Operations LLC  
 (21) 2024267060 (22) 29.11.2024  
 (54) Mill to whipstock connection system



Complete Applications Filed - Name Index cont'd

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(71) Ballisto Cricket Ltd  
(21) 2024266985 (22) 28.11.2024  
(54) CRICKET BOWLING APPARATUS

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(71) BAMBINO PREZIOSO SWITZERLAND AG  
(21) 2024267100 (22) 02.12.2024  
(54) CHILD CAR SEAT AND SEAT BACK ASSEMBLY THEREOF

---

(71) Baxter Healthcare SA; Baxter International Inc.  
(21) 2024267010 (22) 28.11.2024  
(54) SYRINGE PUMP WITH SYRINGE POSITION GUIDING FEATURES AND OCCLUSION DETECTION

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**Baxter International Inc. see Baxter Healthcare SA**  
(21) 2024267010

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(71) Bend-tech Investments 1 Pty Ltd  
(21) 2024267032 (22) 29.11.2024  
(54) Shedder

---

(71) BioForceTech Corporation  
(21) 2024266906 (22) 26.11.2024  
(54) Apparatus for combustion of synthetic gases deriving from treatment of organic material, plant and process for treatment of organic material

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(71) BioForceTech Corporation  
(21) 2024266936 (22) 27.11.2024  
(54) Reactor and related process for treatment, for example for pyrolytic treatment, of organic material

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(71) Biological Dynamics, Inc.  
(21) 2024266995 (22) 28.11.2024  
(54) Dielectric materials

---

(71) BLUVEIN INNOVATION PTY. LTD.  
(21) 2024267062 (22) 29.11.2024  
(54) SYSTEM FOR ELECTRICALLY FEEDING AT LEAST ONE ELECTRICALLY POWERED VEHICLE

---

(71) Boost Payment Solutions, Inc.  
(21) 2024270636 (22) 03.12.2024  
(54) Electronic payment processing using adjusted interchange rate

---

(71) Britax Childcare Pty Ltd  
(21) 2024266939 (22) 27.11.2024  
(54) AN INSERT FOR A CHILD SAFETY SEAT

---

(71) Britax Romer Kindersicherheit GmbH  
(21) 2024267008 (22) 28.11.2024  
(54) Extendible protective element for use in a child safety seat

---

(71) Canon Kabushiki Kaisha  
(21) 2024266959 (22) 28.11.2024  
(54) Image forming apparatus and cartridge

---

(71) CARBON TECHNOLOGY HOLDINGS, LLC  
(21) 2024267084 (22) 02.12.2024  
(54) Biochar as a microbial carrier

---

(71) CAVEMAN CONSULTING PTY LTD  
(21) 2024267053 (22) 29.11.2024  
(54) BLOCK CAVING MINE CONFIGURATIONS AND METHODS

---

(71) China UnionPay Co., Ltd.  
(21) 2024266937 (22) 27.11.2024  
(54) CARD MANAGEMENT METHOD, USER TERMINAL, SERVER, SYSTEM AND STORAGE MEDIUM

---

(71) Chr. Hansen A/S  
(21) 2024266908 (22) 26.11.2024  
(54) Composition and process for producing a fermented milk product comprising application of a lactose-deficient *S. thermophilus* strain, a lactose-deficient *L. bulgaricus* strain and a probiotic strain

---

(71) Clearview Property Management Pty Ltd  
(21) 2024267016 (22) 28.11.2024  
(54) APPARATUS FOR MOVING AN ITEM

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(71) Colgate-Palmolive Company  
(21) 2024266981 (22) 28.11.2024  
(54) Oral care implement, handle thereof, and oral care refill head therefor

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(71) ConocoPhillips Company  
(21) 2024266901 (22) 26.11.2024  
(54) PROPPANT FROM CAPTURED CARBON

---

(71) Deere & Company  
(21) 2024267019 (22) 29.11.2024  
(54) COMMODITY METERING SYSTEM FOR WORK VEHICLE AND CALIBRATION METHOD FOR SAME

---

(71) Deere & Company  
(21) 2024267078 (22) 02.12.2024  
(54) Off-axis row cleaner pivot

---

(71) Diehl Defence GmbH & Co. KG  
(21) 2024267058 (22) 29.11.2024  
(54) Scalable HPEM effector arrangement against threats comprising a number of targets

---

(71) Dolby International AB  
(21) 2024266966 (22) 28.11.2024  
(54) Advanced stereo coding based on a combination of adaptively selectable left/right or mid/side stereo coding and of parametric stereo coding

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(71) Dometic Sweden AB  
(21) 2024267067 (22) 29.11.2024  
(54) Awning assembly

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(71) Ecolab USA Inc.  
(21) 2024267088 (22) 02.12.2024  
(54) Multipurpose alkaline compositions and methods of use

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(71) Ecolab USA Inc.  
(21) 2024267089 (22) 02.12.2024  
(54) Multipurpose acidic compositions and methods of use

---

(71) Eiger Group International, Inc.  
(21) 2024266943 (22) 27.11.2024  
(54) USE OF CHLOROQUINE AND CL-EMIZOLE COMPOUNDS FOR TREATMENT OF INFLAMMATORY AND CANCEROUS CONDITIONS

---

(71) ELI LILLY AND COMPANY  
(21) 2024267108 (22) 02.12.2024  
(54) Oscillating Fluidized Bed Oligonucleotide Synthesizer

---

(71) EpinovaTech AB  
(21) 2024267013 (22) 28.11.2024  
(54) Semiconductor Layer Structure

---

(71) Equinix, Inc.  
(21) 2024270622 (22) 03.12.2024  
(54) Optical add drop multiplexers with asymmetrical filtering

---

(71) EVOLOH, INC.  
(21) 2024267000 (22) 28.11.2024  
(54) Scalable electrolysis cell and stack and method of high-speed manufacturing the same

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(71) EVOLOH, INC.  
(21) 2024267011 (22) 28.11.2024  
(54) Scalable electrolysis cell and stack and method of high-speed manufacturing the same

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Complete Applications Filed - Name Index cont'd

(71) ExoProther Medical Ltd.  
(21) 2024270618 (22) 03.12.2024  
(54) Native cell derived vesicles containing tumor suppressor proteins for therapy

(71) Fisher & Paykel Healthcare Limited  
(21) 2024266948 (22) 28.11.2024  
(54) BLOWER FOR BREATHING APPARATUS

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
(21) 2024266972 (22) 28.11.2024  
(54) CUSTOMIZABLE RESPIRATORY MASK

(71) Fitzmaurice, A.L.  
(21) 2024266991 (22) 28.11.2024  
(54) Endless Maceration Conveyor Assembly with Juice Deflector

(71) Flowserve Pte. Ltd.  
(21) 2024267075 (22) 02.12.2024  
(54) Fluid coolers, heat exchangers, seal assemblies and systems including fluid coolers or heat exchangers and related methods

(71) FN Herstal S.A.  
(21) 2024266903 (22) 26.11.2024  
(54) Trigger mechanism for firearm

(71) FOGHORN THERAPEUTICS INC.  
(21) 2024267001 (22) 28.11.2024  
(54) Compounds And Uses Thereof

(71) Forward Water Technologies  
(21) 2024267102 (22) 02.12.2024  
(54) A switchable forward osmosis system, and processes thereof

(71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.  
(21) 2024266944 (22) 27.11.2024  
(54) Audio encoder, audio decoder, method for encoding an audio signal and method for decoding an encoded audio signal

(71) FUJIFILM CORPORATION  
(21) 2024267048 (22) 29.11.2024  
(54) Compound or salt thereof, lipid particles, and pharmaceutical composition

(71) Galaxy Digital Trading LLC  
(21) 2024267044 (22) 29.11.2024  
(54) Cryptocurrency wallet and cryptocurrency account management

(71) GammaDelta Therapeutics Ltd  
(21) 2024267110 (22) 02.12.2024  
(54) Lymphocytes expressing heterologous targeting constructs

(71) GEN1E LIFESCIENCES INC.  
(21) 2024267054 (22) 29.11.2024  
(54) SUBSTITUTED NAPHTHYL P38ALPHA MITOGEN-ACTIVATED PROTEIN KINASE INHIBITORS

(71) Genesis Systems LLC  
(21) 2024267105 (22) 02.12.2024  
(54) Artificially intelligent atmospheric water generation system control

(71) GE Video Compression, LLC  
(21) 2024266934 (22) 27.11.2024  
(54) Entropy coding of motion vector differences

(71) GIANNI INDUSTRIES INC.  
(21) 2024266994 (22) 28.11.2024  
(54) ELECTROMAGNETIC LOCK SECURELY-MOUNTING STRUCTURE

(71) Gilead Sciences, Inc.  
(21) 2024267064 (22) 29.11.2024  
(54) Crystalline forms of tenofovir alafenamide

(71) GILEAD SCIENCES, INC.  
(21) 2024267005 (22) 28.11.2024  
(54) BRIDGED TRICYCLIC CARBAMOYLPIRIDONE COMPOUNDS AND USES THEREOF

(71) GLOBERIDE, Inc.  
(21) 2024266954 (22) 28.11.2024  
(54) NUT, FISHING ROD REEL SEAT, AND FISHING ROD

(71) GLOBERIDE, Inc.  
(21) 2024266955 (22) 28.11.2024  
(54) FISHING ROD

(71) Grail, Inc.  
(21) 2024266963 (22) 28.11.2024  
(54) MULTI-ASSAY PREDICTION MODEL FOR CANCER DETECTION

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  
(21) 2024266920 (22) 27.11.2024  
(54) Image signal encoding/decoding method and apparatus therefor

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  
(21) 2024266921 (22) 27.11.2024

(54) Image signal encoding/decoding method and apparatus therefor

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  
(21) 2024266924 (22) 27.11.2024  
(54) Image signal encoding/decoding method and apparatus therefor

(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  
(21) 2024266928 (22) 27.11.2024  
(54) Image signal encoding/decoding method and apparatus therefor

(71) GUS TECHNOLOGY CO., LTD.  
(21) 2024266933 (22) 27.11.2024  
(54) BATTERY CELL MODULE OF POUCH CELL BATTERY

(71) Haemonetics Corporation  
(21) 2024267038 (22) 29.11.2024  
(54) Plasmapheresis centrifuge bowl

**HANERGY (QINGDAO) LUBRICATION TECHNOLOGY CO., LTD. see QINGDAO UNIVERSITY OF TECHNOLOGY**  
(21) 2024266997

(71) Harris Global Communications, Inc.  
(21) 2024267106 (22) 02.12.2024  
(54) SYSTEMS AND METHODS FOR AUTOMATIC TUNNEL ESTABLISHMENT WITH ADDRESS DECONFLICTION

(71) Hawthorne Holdings Pty Ltd  
(21) 2024270620 (22) 03.12.2024  
(54) A METHOD OF MAKING AN ACCESS CHAMBER

(71) Hiab AB  
(21) 2024267111 (22) 02.12.2024  
(54) Working equipment assembly

(71) Howmedica Osteonics Corp.  
(21) 2024266925 (22) 27.11.2024  
(54) Patella tracker

(71) HOWMEDICA OSTEONICS CORP.  
(21) 2024267077 (22) 02.12.2024  
(54) Computer-assisted surgical planning

(71) Huawei Technologies Co., Ltd.  
(21) 2024266970 (22) 28.11.2024  
(54) HANDLING OF MULTIPLE PICTURE SIZE AND CONFORMANCE WINDOWS FOR REFERENCE PICTURE RESAMPLING IN VIDEO CODING

Complete Applications Filed - Name Index cont'd

(71) Huawei Technologies Co., Ltd. (21) 2024267041 (22) 29.11.2024 (54) TECHNIQUES FOR BEAMFORMING	(71) Itron, Inc. (21) 2024266927 (22) 27.11.2024 (54) Forecasting commodity consumption for individual smart meters	(54) Probiotic for poultry or cud-chewing animals
(71) Huawei Technologies Co., Ltd. (21) 2024267085 (22) 02.12.2024 (54) MULTI-LINK COMMUNICATION METHOD, SERVICE AND LINK MAPPING METHOD, AND DEVICE	(71) Johnstone, D. (21) 2024267087 (22) 02.12.2024 (54) an improved eaves, fascia, and gutter system	(71) Lone Gull Holdings, Ltd. (21) 2024267050 (22) 29.11.2024 (54) Inertial hydrodynamic pump and wave engine
(71) Huawei Technologies Co., Ltd. (21) 2024267086 (22) 02.12.2024 (54) EARLY TERMINATION FOR OPTICAL FLOW REFINEMENT	(71) Jusand Nominees Pty Ltd (21) 2024267009 (22) 28.11.2024 (54) Retainer Device for a Rock Anchor, Rock Anchor System and Associated Installation Method	(71) LUTZ, T. (21) 2024266998 (22) 28.11.2024 (54) Systems and methods for de-oxygenation of a closed container
(71) Huawei Technologies Co., Ltd. (21) 2024267103 (22) 02.12.2024 (54) REQUEST AND RESPONSE METHOD FOR PROBING MLD, STATION, AND ACCESS POINT	(71) JVCKENWOOD Corporation (21) 2024266938 (22) 27.11.2024 (54) IMAGE CODING DEVICE, IMAGE CODING METHOD, IMAGE CODING PROGRAM, IMAGE DECODING DEVICE, IMAGE DECODING METHOD AND IMAGE DECODING PROGRAM	(71) LYU, W. (21) 2024267113 (22) 02.12.2024 (54) Wireless wearable high-rate emotion detection brain-computer interaction system
(71) HYDROGEN MEM-TECH AS (21) 2024267055 (22) 29.11.2024 (54) Membrane Attachment Technique	(71) Karuna Therapeutics, Inc. (21) 2024267020 (22) 29.11.2024 (54) COMPOSITIONS AND METHODS FOR TREATING DISORDERS AMELIORATED BY MUSCARINIC RECEPTOR ACTIVATION	(71) MAKO Surgical Corp. (21) 2024267007 (22) 28.11.2024 (54) TECHNIQUES FOR DETECTING ERRORS OR LOSS OF ACCURACY IN A SURGICAL ROBOTIC SYSTEM
(71) ICU Medical, Inc. (21) 2024270626 (22) 03.12.2024 (54) INFUSION DEVICE WITH ANTIMICROBIAL PROPERTIES	(71) Kiddi (21) 2024266914 (22) 26.11.2024 (54) AN AUTOMATIC METERED WATER CONTROLLER SYSTEM FOR THE MANAGEMENT OF CONTAMINATION OBSESSIVE-COMPULSIVE DISORDER (OCD)	(71) MasterCard International Incorporated (21) 2024266983 (22) 28.11.2024 (54) Systems and methods for use in authenticating users to accounts in connection with network transactions
(71) Idemia Identity & Security France (21) 2024266918 (22) 27.11.2024 (54) Method for verifying timestamps delivered by a traffic enforcement unit	(71) Kimberly-Clark Worldwide, Inc. (21) 2024266992 (22) 28.11.2024 (54) Distributed dispenser network	<b>Mediott Co., Ltd. see Radwisp Pte. Ltd.</b> (21) 2024267070
(71) Illinois Tool Works Inc. (21) 2024266913 (22) 26.11.2024 (54) IMPROVEMENTS RELATING TO BUILDING FRAME BRACING	(71) KITE GLOBAL LLC (21) 2024267037 (22) 29.11.2024 (54) SWIVEL LOCK QUICK RELEASE DEVICE	(71) Metso Metals Oy (21) 2024267028 (22) 29.11.2024 (54) Cyclone separator arrangement
(71) Immatix Biotechnologies GmbH (21) 2024266950 (22) 28.11.2024 (54) TRANSFECTED T-CELLS AND T-CELL RECEPTORS FOR USE IN IMMUNOTHERAPY AGAINST CANCERS	(71) KR Global Limited (21) 2024266979 (22) 28.11.2024 (54) BED FITTING DEVICE AND BED-STEAD	(71) MH HOLDINGS USA CORP (21) 2024266915 (22) 27.11.2024 (54) SEPARATE AUXILIARY DIGITAL LOCK STRUCTURE
(71) Inova Medical Pty Ltd (21) 2024267098 (22) 02.12.2024 (54) Devices and systems for removing tissue above and/or draining a subcutaneous skin abscess	(71) LEO Pharma A/S (21) 2024266962 (22) 28.11.2024 (54) Treatment of hand eczema	(71) MH HOLDINGS USA CORP (21) 2024266916 (22) 27.11.2024 (54) IOT DEVICE PASSWORD SHARING SYSTEM
(71) Intuit Inc. (21) 2024266910 (22) 26.11.2024 (54) System for adaptive prompt enhancement in generative artificial intelligence	(71) Lesaffre et Compagnie (21) 2024267079 (22) 02.12.2024	(71) MILWAUKEE ELECTRIC TOOL CORPORATION (21) 2024267094 (22) 02.12.2024 (54) POWER SUPPLY INCLUDING MODULAR CHARGING MODULES
		(71) Mine Site Technologies Pty Ltd (21) 2024266900 (22) 26.11.2024 (54) TELECOMMUNICATION SYSTEM AND METHOD, AND COMPONENTS THEREFOR

Complete Applications Filed - Name Index cont'd

(71) ModernaTX, Inc.  
(21) 2024266879 (22) 26.11.2024  
(54) NUCLEIC ACID VACCINES

(71) MONTEFIBRE MAE TECHNOLOGIES S.R.L.  
(21) 2024266929 (22) 27.11.2024  
(54) IMPROVED PROCESS FOR THE PREPARATION OF A SPINNING SOLUTION FOR THE PRODUCTION OF ACRYLIC FIBER PRECURSORS OF CARBON FIBERS AND FOR THE PREPARATION OF THE RELATIVE CARBON FIBERS

(71) NANOEAR CORPORATION, INC.  
(21) 2024270617 (22) 03.12.2024  
(54) Compact hearing aids

(71) National Oilwell Varco, LP.  
(21) 2024270621 (22) 03.12.2024  
(54) Drill bit cutter elements and drill bits including same

(71) Netflix, Inc.  
(21) 2024266922 (22) 27.11.2024  
(54) Systems and methods for adaptive streaming of multimedia content

(71) Newman Products, LLC  
(21) 2024267095 (22) 02.12.2024  
(54) Multi-Tool Device

(71) NEW-TEC INTEGRATION (XIAMEN) CO., LTD.  
(21) 2024267082 (22) 02.12.2024  
(54) FOLDABLE PLASTIC-STEEL CHAIR

(71) N-Gene Research Laboratories, Inc.  
(21) 2024266953 (22) 28.11.2024  
(54) Methods for treating NASH and for preventing NASH-induced HCC

(71) Nokia Technologies Oy  
(21) 2024267025 (22) 29.11.2024  
(54) User equipment operation during an inactive state

(71) NORITZ CORPORATION  
(21) 2024270634 (22) 03.12.2024  
(54) HOT WATER SUPPLY DEVICE

(71) nthalmic holding Pty Ltd; Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd  
(21) 2024267052 (22) 29.11.2024  
(54) Apparatus and methods of ancillary spectacle kit solution for myopia management

nthalmic holding Pty Ltd see Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd  
(21) 2024266956

(71) NTT DOCOMO, INC.  
(21) 2024267059 (22) 29.11.2024  
(54) Audio coding device, audio coding method, audio coding program, audio decoding device, audio decoding method, and audio decoding program

(71) OJO Labs, Inc.  
(21) 2024267023 (22) 29.11.2024  
(54) MACHINE LEARNING OF RESPONSE SELECTION TO STRUCTURED DATA INPUT INCLUDING MOMENTUM CLASSIFICATION

(71) Opex Corporation  
(21) 2024266926 (22) 27.11.2024  
(54) Method and apparatus for sorting or retrieving items

Origin Patent and Trade Mark Attorneys see Schmiedel, O.  
(21) 2024267073

(71) Osaka University  
(21) 2024266968 (22) 28.11.2024  
(54) Astatine solution and method for producing same

(71) Owens-Brockway Glass Container Inc.  
(21) 2024267104 (22) 02.12.2024  
(54) System for preheating glass melting furnace batch materials

(71) Padgett, F.  
(21) 2024269711 (22) 03.12.2024  
(54) Custom Composite Underwear

(71) Parker, D.  
(21) 2024267033 (22) 29.11.2024  
(54) ENERGY STORAGE SYSTEM FOR USE WITH RENEWABLE ENERGY SOURCES

(71) Patients Pending Ltd.  
(21) 2024267065 (22) 29.11.2024  
(54) CAP DEVICES, SYSTEMS, AND METHODS FOR LIQUID DELIVERY DEVICES

(71) PDS Biotechnology Corporation  
(21) 2024266932 (22) 27.11.2024  
(54) Methods and compositions comprising cationic lipids for stimulating type 1 interferon genes

(71) PEARLSINMIREN CO., LTD.  
(21) 2024259837 (22) 08.11.2024  
(54) ADP-ribose binding peptide having anti-cancer activity and use thereof

(71) Pfizer Inc.  
(21) 2024266909 (22) 26.11.2024  
(54) SELECTIVELY VENTED BIOLOGICAL ASSAY DEVICES AND ASSOCIATED METHODS

(71) POLYBEE PTE. LTD.  
(21) 2024266942 (22) 27.11.2024  
(54) METHOD AND SYSTEM FOR POLLINATION

(71) Precision Planting LLC  
(21) 2024266961 (22) 28.11.2024  
(54) AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS

(71) Precision Planting LLC  
(21) 2024266971 (22) 28.11.2024  
(54) AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS

(71) Precision Planting LLC  
(21) 2024266976 (22) 28.11.2024  
(54) AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS

(71) Precision Planting LLC  
(21) 2024266980 (22) 28.11.2024  
(54) AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS

(71) Precision Planting LLC  
(21) 2024266982 (22) 28.11.2024  
(54) AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS

(71) Precision Planting LLC  
(21) 2024266984 (22) 28.11.2024  
(54) AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS

(71) Precision Planting LLC  
(21) 2024266989 (22) 28.11.2024  
(54) AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS

(71) Precision Planting LLC  
(21) 2024267035 (22) 29.11.2024  
(54) APPARATUSES FOR SOIL AND SEED MONITORING

(71) PRESTON, J.C.  
(21) 2024267042 (22) 29.11.2024

## Complete Applications Filed - Name Index cont'd

- (54) METHOD OF ERECTING A MULTI-STOREY STRUCTURE AND FACADE
- 
- (71) PyroGenesis Canada Inc.  
(21) 2024266947 (22) 27.11.2024  
(54) METHOD AND APPARATUS FOR THE PRODUCTION OF HIGH PURITY SPHERICAL METALLIC POWDERS FROM A MOLTEN FEEDSTOCK
- 
- QINGDAO JIMO QINGLI INTELLIGENT MANUFACTURING INDUSTRY RESEARCH INSTITUTE see QINGDAO UNIVERSITY OF TECHNOLOGY**  
(21) 2024266997
- 
- (71) QINGDAO UNIVERSITY OF TECHNOLOGY; QINGDAO JIMO QINGLI INTELLIGENT MANUFACTURING INDUSTRY RESEARCH INSTITUTE; HANERGY (QINGDAO) LUBRICATION TECHNOLOGY CO., LTD.  
(21) 2024266997 (22) 28.11.2024  
(54) BIONIC MICROTTEXTURE MICRO GRINDING HEAD AND PROCESSING PROCESS THEREOF
- 
- (71) Radwisp Pte. Ltd.; Mediott Co., Ltd.  
(21) 2024267070 (22) 30.11.2024  
(54) Diagnostic support program
- 
- (71) Reata Pharmaceuticals, Inc.  
(21) 2024267017 (22) 29.11.2024  
(54) BIARYL AMIDES WITH MODIFIED SUGAR GROUPS FOR TREATMENT OF DISEASES ASSOCIATED WITH HEAT SHOCK PROTEIN PATHWAY
- 
- (71) Regeneron Pharmaceuticals, Inc.  
(21) 2024266951 (22) 28.11.2024  
(54) METHODS AND SYSTEMS FOR CHROMATOGRAPHY DATA ANALYSIS
- 
- (71) Regeneron Pharmaceuticals, Inc.  
(21) 2024267051 (22) 29.11.2024  
(54) NON-HUMAN ANIMALS COMPRISING A HUMANIZED ASGR1 LOCUS
- 
- (71) Research Triangle Institute  
(21) 2024266946 (22) 27.11.2024  
(54) Internal Combustion Engine As A Chemical Reactor To Produce Synthesis Gas From Hydrocarbon Feeds
- 
- (71) Riordan, M.  
(21) 2024266974 (22) 28.11.2024  
(54) Cryotherapy and Compression Sleeve and Methods of Use
- 
- (71) Rite-Hite Holding Corporation  
(21) 2024266986 (22) 28.11.2024  
(54) Curtain Assemblies Or Seals For Dock Levelers
- 
- (71) Sage Products, LLC  
(21) 2024267002 (22) 28.11.2024  
(54) Devices and Systems for Urine Collection
- 
- (71) Schmiedel, O.; Origin Patent and Trade Mark Attorneys  
(21) 2024267073 (22) 01.12.2024  
(54) SYSYTEM AND PROCESS FOR CHARACTERISING EATING BEHAVIOURS TO USE IN GUIDING THE TREATMENT OF OBESITY
- 
- (71) SDG, Inc.  
(21) 2024266969 (22) 28.11.2024  
(54) Compositions comprising lipid-based nanoparticles for treating diabetes mellitus
- 
- (71) Seiko Epson Corporation  
(21) 2024267045 (22) 29.11.2024  
(54) Ink refill container, ink refill system, and ink refill adapter
- 
- (71) SENSE2 PTY LTD  
(21) 2024267071 (22) 01.12.2024  
(54) Advanced Hybrid Photonic-Neuromorphic Processor Architecture for Next-Generation AI Applications
- 
- (71) SHANDONG UNIVERSITY  
(21) 2024267092 (22) 02.12.2024  
(54) CROSS-SUBJECT PASSIVE AUTOMATIC CLASSIFICATION METHOD AND SYSTEM FOR PITCH PERCEPTION BASED ON EEG
- 
- (71) Shmeissem, H.  
(21) 2024267015 (22) 28.11.2024  
(54) eTune Pro 1 - This invention pertains to carburetor jet tuning technology, specifically for go-kart engines. It introduces an electronic system that enables safe, precise, and efficient carburetor high and low jet adjustments, thereby enhancing driver safety and performance.
- 
- (71) Sitesee Pty Ltd  
(21) 2024267040 (22) 29.11.2024  
(54) APPARATUS AND METHOD FOR THREE-DIMENSIONAL OBJECT RECOGNITION
- 
- (71) Sky Energy Investments Pty Ltd  
(21) 2024270642 (22) 03.12.2024
- 
- (54) INTEGRATED SLIDING INVERTER MOUNTING SYSTEM
- 
- (71) Skylotec GmbH  
(21) 2024270641 (22) 03.12.2024  
(54) Carabiner
- 
- (71) Snap-on Incorporated  
(21) 2024267012 (22) 28.11.2024  
(54) Impact mechanism for a hammer tool
- 
- (71) Snap-on Incorporated  
(21) 2024267046 (22) 29.11.2024  
(54) Tool having pawl travel control
- 
- (71) Snap-on Incorporated  
(21) 2024267063 (22) 29.11.2024  
(54) Dead blow hammer head
- 
- (71) SoilPro Pty Ltd  
(21) 2024266973 (22) 28.11.2024  
(54) A POINT ELEMENT
- 
- (71) Southern Seawall Solutions Pty Limited  
(21) 2024266960 (22) 28.11.2024  
(54) IMPROVED CAISSON AND WALL ELEMENT SYSTEM AND METHOD AND APPARATUS FOR CONSTRUCTING SHORING WALLS
- 
- (71) SPR Therapeutics, Inc.  
(21) 2024266975 (22) 28.11.2024  
(54) SYSTEMS FOR TREATMENT OF PAIN FOLLOWING AMPUTATION AND SURGICAL TISSUE REMOVAL
- 
- (71) Stepan Company  
(21) 2024267030 (22) 29.11.2024  
(54) Esterquat compositions
- 
- (71) Steyn, S.  
(21) 2024267072 (22) 01.12.2024  
(54) Steyn's Traditional Biltong / Jerky Powder Cream Cheese Spread.
- 
- (71) Stryker Corporation  
(21) 2024267024 (22) 29.11.2024  
(54) Autonomous waste collection assembly and medical waste collection system and methods
- 
- (71) SunCoke Technology and Development LLC  
(21) 2024267083 (22) 02.12.2024  
(54) Foundry coke products, and associated systems and methods
- 
- (71) Tagworks Pharmaceuticals B.V.  
(21) 2024267101 (22) 02.12.2024

Complete Applications Filed - Name Index cont'd

(54) Masked IL12 protein

(71) Techtronic Cordless GP  
(21) 2024267069 (22) 29.11.2024  
(54) Chainsaws And Tensioning Systems For Chainsaws

(71) TENCENT AMERICA LLC  
(21) 2024270635 (22) 03.12.2024  
(54) Motion vector restriction for out-of-frame boundary conditions

(71) TetraVision, LLC  
(21) 2024266999 (22) 28.11.2024  
(54) Bidirectional thermally actuated component for use in medical devices

(71) The Ageing Equation Pty Ltd  
(21) 2024266941 (22) 27.11.2024  
(54) Attribute Prediction and Recommendation

(71) The Boeing Company  
(21) 2024266917 (22) 27.11.2024  
(54) Cover apparatus for use with aircraft hinge interfaces

(71) The Nielsen Company (US), LLC  
(21) 2024266931 (22) 27.11.2024  
(54) Orienting a beamforming beam toward a media device

(71) The Nielsen Company (US), LLC  
(21) 2024266987 (22) 28.11.2024  
(54) Acoustic loudspeaker detection for media identification

(71) The NOCO Company  
(21) 2024266904 (22) 26.11.2024  
(54) Portable vehicle battery jump start apparatus with safety protection

(71) THE NOCO COMPANY  
(21) 2024267039 (22) 29.11.2024  
(54) Portable jump starter and air compressor device

(71) THE NOCO COMPANY  
(21) 2024267043 (22) 29.11.2024  
(54) Portable jump starter and air compressor device

(71) THE PROCTER & GAMBLE COMPANY  
(21) 2024267074 (22) 02.12.2024  
(54) REMINERALIZING ORAL CARE COMPOSITIONS COMPRISING TIN

(71) THE PROCTER & GAMBLE COMPANY  
(21) 2024267076 (22) 02.12.2024  
(54) STRUCTURED RHEOLOGICAL SOLID PERSONAL CARE COMPOSITIONS

(71) THE PROCTER & GAMBLE COMPANY  
(21) 2024270627 (22) 03.12.2024  
(54) ORAL CARE COMPOSITIONS COMPRISING TIN IONS

(71) The Scripps Research Institute  
(21) 2024266967 (22) 28.11.2024  
(54) A method for the site-specific enzymatic labelling of nucleic acids in vitro by incorporation of unnatural nucleotides

(71) The United States of America, as Represented by the Secretary, Department of Health and Human Services; ViiV Healthcare Company  
(21) 2024266990 (22) 28.11.2024  
(54) METHOD OF ACHIEVING HIV VIRAL REMISSION USING LONG-ACTING ANTIRETROVIRAL AGENTS

(71) TINNUS ENTERPRISES, LLC  
(21) 2024267096 (22) 02.12.2024  
(54) APPARATUS, SYSTEM AND METHOD FOR FILLING CONTAINERS WITH FLUIDS

(71) TIPSI Holding Pty Ltd  
(21) 2024267014 (22) 28.11.2024  
(54) A System For Managing and Effecting Multi-Party Payments

(71) Toddy Tech, LLC  
(21) 2024267068 (22) 29.11.2024  
(54) Beverage container lid with reservoir and repetitive measuring and disbursement mechanism

(71) Torqur AG  
(21) 2024270624 (22) 03.12.2024  
(54) Treatment of skin disorders

(71) Tricares SAS  
(21) 2024266993 (22) 28.11.2024  
(54) Stent and replacement heart valve prosthesis with improved fixation features

(71) TRINA SOLAR CO., LTD.  
(21) 2024266911 (22) 26.11.2024  
(54) Heterojunction cell and manufacturing method thereof, photovoltaic module and photovoltaic system

(71) Ulrich GmbH & Co. KG  
(21) 2024266978 (22) 28.11.2024  
(54) Quick-Release Screw Connection

(71) University of Central Florida Research Foundation, Inc.  
(21) 2024267081 (22) 02.12.2024  
(54) Methods and compositions for natural killer cells

(71) V-DAQ Pty Ltd  
(21) 2024266964 (22) 28.11.2024  
(54) Method, system, and device to monitor vehicles

(71) VEKIN (THAILAND) CO., LTD.  
(21) 2024267109 (22) 02.12.2024  
(54) SYSTEM AND METHOD FOR REAL-TIME DIGITAL MONITORING REPORTING VERIFICATION OF GREENHOUSE GAS EMISSIONS

(71) VelosBio Inc.  
(21) 2024266952 (22) 28.11.2024  
(54) Cancer treatment with ROR1 antibody immunoconjugates

(71) Vibrant Holdings, LLC  
(21) 2024267006 (22) 28.11.2024  
(54) Polypeptide arrays and methods of attaching polypeptides to an array

**ViiV Healthcare Company see The United States of America, as Represented by the Secretary, Department of Health and Human Services**  
(21) 2024266990

(71) Visterra, Inc.  
(21) 2024270619 (22) 03.12.2024  
(54) Engineered polypeptides and uses thereof

(71) Volta Labs, Inc.  
(21) 2024266940 (22) 27.11.2024  
(54) Directing motion of droplets using differential wetting

(71) Volvo Autonomous Solutions AB  
(21) 2024266977 (22) 28.11.2024  
(54) Mapping of off-road area

(71) WHITLOCK, J.  
(21) 2024266996 (22) 28.11.2024  
(54) Shop fitting system and assembly

(71) Whoosh Hold LP  
(21) 2024267107 (22) 02.12.2024  
(54) Trolley system and associated rails and tracks

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(71) WISK AERO LLC  
(21) 2024267021 (22) 29.11.2024  
(54) Electrically powered propulsion systems for aircraft

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(71) Wonderland Switzerland AG  
(21) 2024267056 (22) 29.11.2024  
(54) Seat cushion structure and child safety seat

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(71) Xard Group Pty Ltd  
(21) 2024267112 (22) 02.12.2024  
(54) CRYPTOGRAPHIC DATA TRANSFER

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(71) Xefco Pty Ltd; XEFCO PTY LTD  
(21) 2024267057 (22) 29.11.2024  
(54) Insulated radiant barriers in apparel

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**XEFCO PTY LTD see Xefco Pty Ltd**  
(21) 2024267057

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(71) Xenipro GmbH  
(21) 2024266935 (22) 27.11.2024  
(54) Phenoxy(hetero)aryl ethers of antiproliferative activity

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**ZHANG, J. see AUSTAND EDUNBURGH ELEVATORS PTY LTD**  
(21) 2024267080

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(71) Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd; nthalmic holding Pty Ltd  
(21) 2024266956 (22) 28.11.2024  
(54) Apparatus and methods of spectacle solutions for myopia

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**Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd see nthalmic holding Pty Ltd**  
(21) 2024267052

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<b>2024266937</b>	China UnionPay Co., Ltd.	<b>2024266999</b>	TetraVision, LLC
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<b>2024266944</b>	Fraunhofer-Gesellschaft zur Förderung der ange-wandten Forschung e.V.	<b>2024267007</b>	MAKO Surgical Corp.
<b>2024266945</b>	Amicus Therapeutics, Inc.	<b>2024267008</b>	Britax Romer Kindersicherheit GmbH
<b>2024266946</b>	Research Triangle Institute	<b>2024267009</b>	Jusand Nominees Pty Ltd
<b>2024266947</b>	PyroGenesis Canada Inc.	<b>2024267010</b>	Baxter Healthcare SA; Baxter International Inc.
<b>2024266948</b>	Fisher & Paykel Healthcare Limited	<b>2024267011</b>	EVOLOH, INC.
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		<b>2024267028</b>	Metso Metals Oy



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2024267052	nthalmic holding pty ltd; Zhong Jing Wei Shi (Suzhou) Optical Technology Ltd	2024270625	ATX Pharmsers LLC
2024267053	CAVEMAN CONSULTING PTY LTD	2024270626	ICU Medical, Inc.
2024267054	GEN1E LIFESCIENCES INC.	2024270627	THE PROCTER & GAMBLE COMPANY
2024267055	HYDROGEN MEM-TECH AS	2024270634	NORITZ CORPORATION
2024267056	Wonderland Switzerland AG	2024270635	TENCENT AMERICA LLC
2024267057	Xefco Pty Ltd; XEFCO PTY LTD	2024270636	Boost Payment Solutions, Inc.
2024267058	Diehl Defence GmbH & Co. KG	2024270641	Skylotec GmbH
2024267059	NTT DOCOMO, INC.	2024270642	Sky Energy Investments Pty Ltd
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2024267064	Gilead Sciences, Inc.		
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2024267072	Steyn, S.		
2024267073	Schmiedel, O.; Origin Patent and Trade Mark Attorneys		
2024267074	THE PROCTER & GAMBLE COMPANY		
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2024267080	AUSTAND EDUNBURGH ELEVATORS PTY LTD; ZHANG, J.		
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Applications listed below were processed through the Patent Office Canberra during the period ending 26 Nov 2024 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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(71) AUSTAND EDUNBURGH ELEVATORS  
PTY LTD  
(21) 2024100042 (22) 22.11.2024  
(54) THE PATENT TECHNICAL INSTRUCTION OF COUNTERWEIGHT-LESS (CWL)MODUALR ELEVATOR/ LIFT  
(62) 2018100031

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(71) Frugalpac Limited  
(21) 2024100047 (22) 30.11.2024  
(54) Apparatus for Manufacturing a Container  
(62) 2021316794

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(71) Janssen Biotech, Inc.  
(21) 2024100044 (22) 29.11.2024  
(54) Safe and effective method of treating ulcerative colitis with anti-il12/il23 antibody  
(62) 2023201217

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(71) Janssen Biotech, Inc.  
(21) 2024100045 (22) 29.11.2024  
(54) Safe and effective method of treating ulcerative colitis with anti-il12/il23 antibody  
(62) 2023201217

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(71) Janssen Biotech, Inc.  
(21) 2024100046 (22) 29.11.2024  
(54) Safe and effective method of treating ulcerative colitis with anti-il12/il23 antibody  
(62) 2023201217

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**2024100044** Janssen Biotech, Inc.  
**2024100045** Janssen Biotech, Inc.

**2024100046** Janssen Biotech, Inc.  
**2024100047** Frugalpac Limited

**Applications with amended filing dates Reg 3.5(A).**

2024205083 **Ripsnorter Investments** The filing date has been amended to 13.11.2024

**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:

<b>Code</b>	<b>Meaning</b>
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)
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16	Application Refused
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18	Application Lapsed Reg. 3.2B(3),(5) or (6)
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21	Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
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24	Application Lapsed Reg. 22.2E(2)
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28	Application Lapsed Reg. 22.15A(3)
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B	Applications on which a direction to request examination has been given
C	Applications on which examination has been requested or on which an examination report has been issued
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<b>2015</b>			2019270362 ( 4C )	2019270433 ( 25D )	2019271291 ( 4C )
2015202673 ( 14 )	2015238773 ( 14 )	2015258806 ( 14 )	2019271819 ( 4C )	2019271906 ( 14 )	2019271997 ( 14 )
2015258807 ( 14 )	2015259008 ( 14 )	2015259024 ( 14 )	2019273890 ( 4C )	2019274929 ( 4C )	2019276882 ( 4C )
2015259069 ( 14 )	2015259191 ( 14 )	2015259277 ( 14 )	2019280098 ( 1B )	2019283775 ( 12C )	2019283793 ( 5C )
2015261280 ( 14 )	2015261383 ( 14 )	2015261457 ( 14 )	2019290870 ( 14 )	2019302329 ( 4C )	2019470409 ( 5C )
2015261461 ( 14 )	2015262344 ( 14 )	2015264403 ( 14 )			
2015266277 ( 14 )	2015277795 ( 14 )	2015394135 ( 14 )			
2015394726 ( 14 )	2015395217 ( 14 )				
			<b>2020</b>		
<b>2016</b>			2020100763 ( 22E )	2020100783 ( 22E )	2020104215 ( 22 )
2016102011 ( 22 )	2016102014 ( 22 )	2016102017 ( 22 )	2020202467 ( 14 )	2020202567 ( 14 )	2020203125 ( 4B )
2016102030 ( 22 )	2016102032 ( 22 )	2016102035 ( 22 )	2020203138 ( 4B )	2020203172 ( 4A )	2020203207 ( 4A )
2016102037 ( 22 )	2016102042 ( 22 )	2016102043 ( 22 )	2020204228 ( 14 )	2020204269 ( 14 )	2020234467 ( 5C )
2016102398 ( 22 )	2016102399 ( 22 )	2016102414 ( 22 )	2020266302 ( 12C )	2020273585 ( 4B )	2020274117 ( 4C )
2016201686 ( 14 )	2016203073 ( 14 )	2016203149 ( 14 )	2020274563 ( 4B )	2020274614 ( 4B )	2020276143 ( 4B )
2016203339 ( 14 )	2016260435 ( 14 )	2016262803 ( 14 )	2020276716 ( 4B )	2020276790 ( 4B )	2020277504 ( 4B )
2016262838 ( 14 )	2016263299 ( 14 )	2016264193 ( 14 )	2020278444 ( 4B )	2020278662 ( 4B )	2020278665 ( 4B )
2016264961 ( 14 )	2016265677 ( 14 )	2016265932 ( 14 )	2020279966 ( 4B )	2020280262 ( 4B )	2020280779 ( 4B )
2016266942 ( 14 )	2016269247 ( 14 )	2016269914 ( 14 )	2020281168 ( 1B )	2020281543 ( 4C )	2020282069 ( 4C )
2016276022 ( 14 )	2016406843 ( 14 )		2020286196 ( 1B )	2020286217 ( 1B )	2020286219 ( 1B )
			2020286309 ( 1B )	2020286789 ( 4B )	2020287677 ( 14 )
			2020289090 ( 4B )	2020289312 ( 4B )	2020289723 ( 1B )
<b>2017</b>			2020292464 ( 4B )	2020294266 ( 14 )	2020307226 ( 4B )
2017100543 ( 22E )	2017100548 ( 22E )	2017100549 ( 22E )	2020308523 ( 14 )	2020327350 ( 14 )	2020331566 ( 14 )
2017100550 ( 22E )	2017100551 ( 22E )	2017100554 ( 22E )	2020357816 ( 5C )	2020361345 ( 4B )	2020386473 ( 4B )
2017100555 ( 22E )	2017100567 ( 22E )	2017203248 ( 14 )	2020397107 ( 12C )	2020398888 ( 1B )	2020398904 ( 1B )
2017203256 ( 14 )	2017203300 ( 4C )	2017203330 ( 14 )	2020399145 ( 1B )	2020399153 ( 1B )	2020399168 ( 1B )
2017203360 ( 14 )	2017216465 ( 14 )	2017221883 ( 14 )	2020399184 ( 1B )	2020399194 ( 1B )	2020399259 ( 1B )
2017232100 ( 14 )	2017248536 ( 14 )	2017265723 ( 14 )	2020399260 ( 1B )	2020399278 ( 1B )	2020399279 ( 1B )
2017265940 ( 14 )	2017266288 ( 4C )	2017266291 ( 14 )	2020399283 ( 1B )	2020399291 ( 1B )	2020399432 ( 1B )
2017266684 ( 14 )	2017266711 ( 14 )	2017266905 ( 14 )	2020399650 ( 1B )	2020399673 ( 1B )	2020399785 ( 1B )
2017266929 ( 14 )	2017266932 ( 14 )	2017267178 ( 14 )	2020399884 ( 1B )	2020399898 ( 1B )	2020399934 ( 1B )
2017267362 ( 14 )	2017267732 ( 14 )	2017267809 ( 14 )	2020399973 ( 1B )	2020399976 ( 1B )	2020399999 ( 1B )
2017268244 ( 14 )	2017268310 ( 14 )	2017268369 ( 14 )	2020400040 ( 1B )	2020400079 ( 1B )	2020400081 ( 1B )
2017268394 ( 4C )	2017268396 ( 14 )	2017268397 ( 14 )	2020400086 ( 1B )	2020400334 ( 1B )	2020400347 ( 1B )
2017268399 ( 14 )	2017276141 ( 14 )	2017276542 ( 14 )	2020400386 ( 1B )	2020400391 ( 1B )	2020400401 ( 1B )
2017283677 ( 14 )	2017322397 ( 5C )	2017337073 ( 5C )	2020400429 ( 1B )	2020400632 ( 1B )	2020400770 ( 1B )
2017352033 ( 5C )	2017369540 ( 5C )	2017414401 ( 14 )	2020400826 ( 1B )	2020400994 ( 1B )	2020401112 ( 1B )
2017414881 ( 4C )	2017442550 ( 5C )	2017444939 ( 5C )	2020401131 ( 1B )	2020401223 ( 1B )	2020401292 ( 1B )
			2020401319 ( 1B )	2020401363 ( 1B )	2020401384 ( 1B )
<b>2018</b>			2020401393 ( 1B )	2020401453 ( 1B )	2020401471 ( 1B )
2018100563 ( 22 )	2018100666 ( 22E )	2018100667 ( 22E )	2020401474 ( 1B )	2020401476 ( 1B )	2020401485 ( 1B )
2018100675 ( 22E )	2018100680 ( 22E )	2018203433 ( 4C )	2020401547 ( 1B )	2020401587 ( 1B )	2020401747 ( 1B )
2018203509 ( 4C )	2018204335 ( 14 )	2018208732 ( 14 )	2020401779 ( 1B )	2020401791 ( 1B )	2020401838 ( 1B )
2018241176 ( 14 )	2018252018 ( 5C )	2018262323 ( 5C )	2020402051 ( 1B )	2020402104 ( 1B )	2020402108 ( 1B )
2018262331 ( 5C )	2018266237 ( 14 )	2018267971 ( 4C )	2020402130 ( 1B )	2020402166 ( 1B )	2020402177 ( 1B )
2018268145 ( 14 )	2018268416 ( 4C )	2018268420 ( 14 )	2020402178 ( 1B )	2020402496 ( 1B )	2020402543 ( 1B )
2018268985 ( 14 )	2018269272 ( 14 )	2018269302 ( 14 )	2020402573 ( 1B )	2020402717 ( 1B )	2020402768 ( 1B )
2018269320 ( 14 )	2018269667 ( 14 )	2018269678 ( 4C )	2020402940 ( 1B )	2020402978 ( 1B )	2020402990 ( 1B )
2018269863 ( 14 )	2018270111 ( 14 )	2018270151 ( 4C )	2020403021 ( 1B )	2020403155 ( 1B )	2020403234 ( 1B )
2018270152 ( 4C )	2018270400 ( 14 )	2018271148 ( 4C )	2020403256 ( 1B )	2020403372 ( 1B )	2020403381 ( 1B )
2018271149 ( 4C )	2018271163 ( 4C )	2018274826 ( 14 )	2020403452 ( 1B )	2020403459 ( 1B )	2020403640 ( 1B )
2018281970 ( 14 )	2018284487 ( 14 )	2018304307 ( 5C )	2020403651 ( 1B )	2020403655 ( 1B )	2020446855 ( 4A )
2018321243 ( 4C )	2018353994 ( 4C )	2018372704 ( 5C )			
2018373697 ( 5C )	2018385711 ( 5C )	2018388566 ( 5C )			
2018389598 ( 4C )	2018393494 ( 5C )	2018399621 ( 5C )			
2018411809 ( 4C )	2018423290 ( 14 )	2018423401 ( 14 )			
2018423679 ( 14 )					
			<b>2021</b>		
<b>2019</b>			2021102532 ( 22E )	2021102534 ( 22E )	2021102553 ( 22E )
2019100519 ( 22E )	2019100532 ( 22E )	2019100974 ( 22 )	2021102554 ( 22E )	2021102590 ( 22E )	2021102612 ( 22E )
2019101558 ( 22 )	2019101565 ( 22 )	2019101566 ( 22 )	2021102631 ( 22E )	2021102635 ( 22E )	2021102653 ( 22E )
2019201120 ( 5C )	2019202188 ( 5C )	2019202787 ( 14 )	2021102670 ( 22E )	2021105303 ( 22 )	2021203052 ( 4C )
2019203428 ( 4C )	2019203575 ( 4C )	2019204982 ( 14 )	2021203564 ( 14 )	2021204822 ( 5C )	2021212076 ( 14 )
2019205874 ( 5C )	2019209652 ( 5C )	2019211941 ( 5C )	2021245230 ( 5C )	2021248720 ( 5C )	2021249194 ( 5C )
2019217365 ( 5C )	2019219981 ( 5C )	2019223390 ( 5C )	2021260139 ( 5C )	2021260768 ( 5C )	2021261630 ( 5C )
			2021263409 ( 5C )	2021269764 ( 5C )	2021295802 ( 5C )
			2021298468 ( 5C )	2021315894 ( 5C )	2021316868 ( 5C )
			2021318521 ( 5C )	2021322700 ( 5C )	2021323772 ( 5C )
			2021329064 ( 5C )	2021329207 ( 5C )	2021329306 ( 5C )

2021334849 ( 5C ) 2021337236 ( 5C ) 2021340721 ( 25D )  
 2021390053 ( 5C ) 2021397718 ( 5C ) 2021402927 ( 5C )

**2022**

2022200084 ( 5C ) 2022200104 ( 4C ) 2022201186 ( 4C )  
 2022201264 ( 5C ) 2022202155 ( 4C ) 2022202222 ( 4C )  
 2022203610 ( 5C ) 2022203863 ( 4C ) 2022205230 ( 5C )  
 2022206703 ( 5C ) 2022211855 ( 5C ) 2022211856 ( 5C )  
 2022215233 ( 5C ) 2022228098 ( 5C ) 2022228103 ( 5C )  
 2022231693 ( 5C ) 2022231717 ( 5C ) 2022241503 ( 5C )  
 2022252712 ( 5C ) 2022252738 ( 5C ) 2022252803 ( 4C )  
 2022259726 ( 5C ) 2022271365 ( 5C ) 2022271451 ( 5C )  
 2022275410 ( 5C ) 2022283657 ( 5C ) 2022287612 ( 5C )  
 2022291549 ( 25D )

**2023**

2023200057 ( 5C ) 2023200326 ( 5C ) 2023200456 ( 5C )  
 2023200756 ( 5C ) 2023200757 ( 5C ) 2023200764 ( 5C )  
 2023200849 ( 5C ) 2023202634 ( 5C ) 2023206220 ( 25D )  
 2023209975 ( 12C ) 2023216844 ( 4C ) 2023237103 ( 5CN )  
 2023237219 ( 5CN ) 2023237220 ( 5CN ) 2023251386 ( 5CN )  
 2023251502 ( 5C ) 2023263537 ( 5C ) 2023266892 ( 12C )  
 2023266893 ( 12C ) 2023358132 ( 7N ) 2023903767 ( 12AN )  
 2023903846 ( 12AN ) 2023903849 ( 12AN ) 2023903861 ( 12AN )  
 2023903975 ( 12AN )

**2024**

2024100017 ( 21F ) 2024100042 ( 12AN ) 2024202083 ( 4C )  
 2024219470 ( 1B ) 2024219526 ( 1B ) 2024219619 ( 1B )  
 2024219646 ( 1B ) 2024227738 ( 12CN ) 2024903764 ( 12AN )

**Assignments before Grant, Section 113**

**2017**

2017261357 Exicure Operating Company The application has been assigned to **Flashpoint Therapeutics, Inc.**

2017436163 Boral IP Holdings (Australia) PTY Limited; Lloyd, Redmond; Keyte, Louise The application has been assigned to **Boral IP Holdings (Australia) Pty Limited**

**2018**

2018311375 Cidara Therapeutics, Inc. The application has been assigned to **Napp Pharmaceutical Group Limited**

2018338647 University of Southern California The application has been assigned to **ANGELES THERAPEUTICS, INC.**

**2019**

2019204335 Google LLC The application has been assigned to **Telefonaktiebolaget LM Ericsson (publ)**

2019279084 University of Southern California The application has been assigned to **ANGELES THERAPEUTICS, INC.**

2019287621 Cidara Therapeutics, Inc. The application has been assigned to **Napp Pharmaceutical Group Limited**

2019315440 University of Southern California The application has been assigned to **ANGELES THERAPEUTICS, INC.**

2019338685 Saint-Gobain Isover; Saint-Gobain Seva The application has been assigned to **Saint-Gobain Isover**

**Assignments before Grant, Section 113**

**2020**

2020250684 BASF SE; thyssenkrupp Industrial Solutions AG; thyssenkrupp AG The application has been assigned to **BASF SE; thyssenkrupp AG; ThyssenKrupp Uhde GmbH**

2020286580 BASF SE; thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **ThyssenKrupp Uhde GmbH; BASF SE; thyssenkrupp AG**

2020288317 BASF SE; thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **ThyssenKrupp Uhde GmbH; BASF SE; thyssenkrupp AG**

2020288346 BASF SE; thyssenKrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **ThyssenKrupp Uhde GmbH; BASF SE; thyssenKrupp AG**

2020329466 I-Mab Biopharma Co., Ltd.; ABL Bio Inc. The application has been assigned to **ABL Bio Inc.; I-Mab Biopharma US Limited**

2020340926 Cutting Edge Packaging Solutions The application has been assigned to **Acqua Angel LLC**

2020358863 Artisan Development Labs, Inc.; Danmarks Tekniske Universitet The application has been assigned to **Celyntra Therapeutics SA; Danmarks Tekniske Universitet**

2020375079 BASF SE; ThyssenKrupp Industrial Solutions AG; ThyssenKrupp AG The application has been assigned to **ThyssenKrupp Uhde GmbH; ThyssenKrupp AG**

2020406068 Epigenomics AG The application has been assigned to **New Day Diagnostics LLC**

**2021**

2021237570 University of Southern California The application has been assigned to **ANGELES THERAPEUTICS, INC.**

2021331624 VIEWPOINT THERAPEUTICS, INC. The application has been assigned to **Visus Therapeutics, Inc.**

2021343526 ARTISAN DEVELOPMENT LABS, INC. The application has been assigned to **Celyntra Therapeutics SA**

2021348704 CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.; MEDSHINE DISCOVERY INC. The application has been assigned to **CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.**

2021377697 REDCOAT SOLUTIONS, INC. The application has been assigned to **Smart Reader, LLC**

2021382896 HELSINN HEALTHCARE SA; TAIHO PHARMACEUTICAL CO., LTD. The application has been assigned to **TAIHO PHARMACEUTICAL CO., LTD.**

2021415180 I-MAB BIOPHARMA CO., LTD. The application has been assigned to **I-Mab Biopharma US Limited**

**Assignments before Grant, Section 113**

**2022**

2022202847 I-Mab Biopharma Co., Ltd. The application has been assigned to **I-Mab Biopharma US Limited**

2022227650 ARTISAN DEVELOPMENT LABS, INC. The application has been assigned to **Celyntra Therapeutics SA**

2022246528 CUTTING EDGE PACKAGING SOLUTIONS The application has been assigned to **Acqua Angel LLC**

2022263540 AiCuris GmbH & Co. KG The application has been assigned to **AIC316 GmbH**

2022270393 TEKNOLOGIAN TUTKIMUSKESKUS VTT OY The application has been assigned to **Arctic Instruments Oy**

2022307860 ARRIS ENTERPRISES LLC The application has been assigned to **RUCKUS IP HOLDINGS LLC**

2022366259 TOPHAT INDUSTRIES LIMITED The application has been assigned to **Mauer Limited**

2022396005 SCAFA THERMOFORMING GMBH The application has been assigned to **OPTIMA CONSUMER GMBH**

2022457464 CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED The application has been assigned to **Contemporary Ampere Technology (Hong Kong) Limited**

**2023**

2023214156 TOPHAT INDUSTRIES LIMITED The application has been assigned to **Mauer Limited**

2023263941 KODA IDEAWORKS, LLC The application has been assigned to **KoDa Ideaworks, Inc.**

**2024**

2024200446 University of Southern California The application has been assigned to **ANGELES THERAPEUTICS, INC.**

2024205616 Anderson, M.D., Christian The application has been assigned to **INS Ortho, Inc.**

2024227718 Keyte, Louise; Lloyd, Redmond; Boral IP Holdings (Australia) PTY Limited The application has been assigned to **Boral IP Holdings (Australia) Pty Limited**

2024900325 Borg, Joseph; Thomas, Kenneth The application has been assigned to **General Pneumatics Pty Ltd**

2024903919 Fullerton, Mark The application has been assigned to **Fenwick & Co Limited**

**Extensions of Time, Section 223**

**Applications Received**

**Extensions of Time, Section 223**

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.

**2013**

2013200992 **Dayton Tooling Pty. Ltd.** An application to extend the time from 21 Feb 2024 to 21 Nov 2024 in which to pay a renewal fee has been filed . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

**2019**

2019100067 **Aljo Holdings Pty Ltd** An application to extend the time from 21 Jan 2024 to 21 Sep 2024 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019203105 **United Laboratories International, LLC** An application to extend the time from 02 May 2023 to 02 Jul 2024 in which to pay a continuation fee has been filed . Address for service - Ahearn Fox PO Box 9398 Wynnum Plaza Brisbane QLD 4178 AU

**2020**

2020265450 **ShinWide Pty Ltd** An application to extend the time from 29 Apr 2024 to 29 Nov 2024 in which to pay a continuation fee has been filed . Address for service - Franke Hyland Pty Ltd PO Box 356 NORTH RYDE BC NSW 1670 AU

2020265664 **BioRestorative Therapies, Inc.** An application to extend the time from 29 Apr 2024 to 29 Nov 2024 in which to pay a continuation fee has been filed . Address for service - MINTER ELLISON Level 40 1 Farrer Place Sydney NSW 2000 AU

**2022**

2022259837 **Sonos, Inc.** An application to extend the time from 21 Dec 2023 to 21 Sep 2024 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2022337186 **CARRYGENES BIOENGINEERING, LLC** An application to extend the time from 30 Mar 2024 to 30 Nov 2024 in which to enter the national phase has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2022339747 **CARRYGENES BIOENGINEERING, LLC** An application to extend the time from 30 Mar 2024 to 30 Nov 2024 in which to enter the national phase has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2022339903 **CARRYGENES BIOENGINEERING, LLC** An application to extend the time from 30 Mar 2024 to 30 Nov 2024 in which to enter the national phase has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2022340720 **CARRYGENES BIOENGINEERING, LLC** An application to extend the time from 30 Mar 2024 to 30 Nov 2024 in which to enter the national phase has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2022340721 **CARRYGENES BIOENGINEERING, LLC** An application to extend the time from 30 Mar 2024 to 30 Nov 2024 in which to enter

**Extensions of Time, Section 223**

the national phase has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

**2023**

2023201078 **Sonos, Inc.** An application to extend the time from 21 Feb 2024 to 21 Oct 2024 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2023202833 **Celista Pharmaceuticals LLC** An application to extend the time from 10 Jan 2024 to 10 Aug 2024 in which to pay a continuation fee has been filed . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2023219861 **IHI Terrasun Solutions Inc.** An application to extend the time from 19 Nov 2023 to 19 Oct 2024 in which to pay a renewal fee has been filed . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2024**

2024202032 **Vycellix Inc** An application to extend the time from 01 Apr 2024 to 01 Dec 2024 in which to pay a continuation fee has been filed . Address for service - Franke Hyland Pty Ltd PO Box 356 NORTH RYDE BC NSW 1670 AU

2024202786 **Sidloski, R.** An application to extend the time from 07 Jul 2024 to 07 Dec 2024 in which to request examination has been filed . Address for service - SOUTHERN CROSS INTELLECTUAL PROPERTY PTY LTD PO Box 1001 Oxenford QLD 4210 AU

2024227129 **Simon, R.** An application to extend the time from 19 Feb 2024 to 19 Oct 2024 in which to claim the convention priority date has been filed . Address for service - IP Savvy Pty Ltd L 3 257 Collins St Melbourne VIC 3000 AU

**Applications Allowed - Section 223(2)****2011**

2011257942 **A.C.N. 166 970 627 Pty Ltd** in which to pay a renewal fee has been filed 09 Sep 2024 . Address for service - Davies Collison Cave Pty Ltd Level 4 7 Macquarie Place Sydney NSW 2000 AU

**2014**

2014200776 **INTAKS IP LIMITED** The time in which to pay a renewal fee has been extended to 14 Sep 2024 . Address for service - THELOFT.LEGAL PTY LTD 58 Riviera Avenue Terrigal NSW 2260 AU

**2016**

2016280858 **Estetra SRL** The time in which to pay a renewal fee has been extended to 17 Jun 2024 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

**2020**

2020392779 **ArianeGroup SAS** The time in which to request examination has been extended to 27 Nov 2024 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2021**

2021295698 **SPB SYSTEMATISCHES PLANEN & BAUEN GMBH** The time in which to pay the acceptance fee has been extended to 22 Dec

**Extensions of Time, Section 223**

2024 . Address for service - KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD PO Box 128 Aspley QLD 4034 AU

**2022**

2022389958 **ST ENGINEERING INNOSPARKS PTE LTD** The time in which to enter the National Phase has been extended to 16 Sep 2024 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2023**

2023215108 **KANG, S.** The time to enter the national phase has been extended to 04 Dec 2024 . Address for service - Adams Pluck PO Box 905 HORNSBY NSW 2077 AU

2023217916 **RE-NUT AG** The time in which to enter the National Phase has been extended to 11 Nov 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2023235428 **SCHREDER S.A.** The time in which to enter the National Phase has been extended to 16 Nov 2024 . Address for service - Golja Haines & Friend PO Box 1014 South Perth WA 6951 AU

**2024**

2024205083 **Ripsnorter Investments** The time in which to comply with a direction under Reg 3.2A has been extended to 26 Nov 2024 . Address for service - Rossco's Pizza PO Box 1815 Yeppoon Qld 4703 Yeppoon QLD 4703 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.

**2017**

2017330346 Antibodies for Siglec-15 and methods of use thereof **NextCure, Inc.** The nature of the amendment is as shown in the statement(s) filed 29 Oct 2024 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2017342702 A method of forming 3D objects. **Effusiontech IP Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 10 Oct 2024 . Address for service - Allens Patent & Trade Mark Attorneys 101 Collins Street MELBOURNE VIC 3000 AU

**2018**

2018248023 Leaching copper-containing ores **Technological Resources Pty. Limited** The nature of the amendment is as shown in the statement(s) filed 18 Nov 2024 . Address for service - Griffith Hack Level 15 376-390 Collins St MELBOURNE VIC 3000 AU

**2019**

2019213029 Bifidobacterium longum NCIMB 41676 **PrecisionBiotics Group Limited ; University College Cork - National University**



**Amendments**

**of Ireland, Cork** The nature of the amendment is as shown in the statement(s) filed 21 Nov 2024 . Address for service - Phillips Ormonde Fitzpatrick Level 16 333 Collins Street Melbourne VIC 3000 AU

**2020**

2020283454 Cloud-managed allocation of a network's power use to control runtime on backup battery **Cisco Technology, Inc.** The nature of the amendment is as shown in the statement(s) filed 15 Nov 2024 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2021**

2021246429 Modular cooking appliance having a grease shield **Automation Tech, LLC** The nature of the amendment is as shown in the statement(s) filed 29 Oct 2024 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2021390006 COMPRESSOR FOR CO2 CYCLE WITH AT LEAST TWO CASCADE COMPRESSION STAGES FOR ASSURING SUPERCRITICAL CONDITIONS **NUOVO PIGNONE TECNOLOGIE - S.R.L.** The nature of the amendment is as shown in the statement(s) filed 21 Nov 2024 . Address for service - PHILLIPS ORMONDE FITZPATRICK PO Box 323 COLLINS STREET WEST VIC 8007 AU

**Amendments Made****2009**

2009212954 **Holland, R.** The nature of the amendment is as shown in the statement filed 03 Jul 2024

**2018**

2018250163 **The Government of the United States of America as represented by the Department of Veterans Affairs** The nature of the amendment is as shown in the statement filed 22 Aug 2024

2018326627 **Ionian Technologies, LLC** The nature of the amendment is as shown in the statement filed 03 Sep 2024

2018350980 **Incyte Corporation** The nature of the amendment is as shown in the statement filed 06 Sep 2024

2018355224 **Stryker Corporation** The nature of the amendment is as shown in the statement filed 04 Sep 2024

2018356358 **F. Hoffmann-La Roche AG** The nature of the amendment is as shown in the statement filed 02 Aug 2024

**2019**

2019240335 **Izumi Technology, Llc ,** The nature of the amendment is as shown in the statement filed 26 Aug 2024

2019292164 **Lygos, Inc.** The nature of the amendment is: Amend the invention title to read RECOMBINANT HOST CELLS AND METHODS FOR THE PRODUCTION OF ASPARTIC ACID

**2020**

2020250316 **Maxsun (Dalian) Co., Ltd** The nature of the amendment is as shown in the statement filed 06 Aug 2024

**Amendments**

2020269377 **Ultima Genomics, Inc.** The nature of the amendment is as shown in the statement filed 30 Aug 2024

2020289708 **ARCEDI Biotech ApS** The nature of the amendment is as shown in the statement filed 29 Aug 2024

2020476749 **JIANGSU XCMG CONSTRUCTION MACHINERY RESEARCH INSTITUTE LTD.** The nature of the amendment is: Amend the invention title to read SAFETY PROTECTION SYSTEM AND METHOD FOR TRANSPORTATION SYSTEM AND FLEET MANAGEMENT DEVICE

**2021**

2021236442 **Laboratory Corporation of America Holdings** The nature of the amendment is as shown in the statement filed 07 Aug 2024

2021266291 **William Marsh Rice University** The nature of the amendment is as shown in the statement filed 04 Sep 2024

2021302188 **Sichuan Gooddoctor Panxi Pharmaceutical Co., Ltd.** The nature of the amendment is as shown in the statement filed 22 Aug 2024

2021317552 **WISORIG TECHNOLOGIES PTE. LIMITED** The nature of the amendment is as shown in the statement filed 02 Sep 2024

2021463491 **VAC STENT GMBH** The nature of the amendment is: Amend the name of the inventor to read HEISS, Constantin; WÄCHTERSACH, Timo and ERBE, Konrad

**2022**

2022100024 **Ruminant Biotech Corp Limited** The nature of the amendment is as shown in the statement filed 25 Jul 2024

2022206799 **Edye Pty Ltd** The nature of the amendment is as shown in the statement filed 10 Sep 2024

2022214112 **INVENTIO AG** The nature of the amendment is as shown in the statement filed 03 Sep 2024

2022221534 **Shaheen Innovations Holding Limited** The nature of the amendment is: Amend the name of the inventor to read MACHOVEC, Jeff; LAMOUREUX, Clement and ALSHAIBA SALEH GHANNAM ALMAZROUEI, Mohammed

2022221536 **Shaheen Innovations Holding Limited** The nature of the amendment is: Amend the name of the inventor to read MACHOVEC, Jeff; LAMOUREUX, Clement and ALSHAIBA SALEH GHANNAM ALMAZROUEI, Mohammed

2022224864 **Stryker Corporation** The nature of the amendment is: Amend the invention title to read Power console for a surgical tool that includes a transformer with an integrated current source for producing a matched current to offset the parasitic current

2022231694 **Tissuegen, Inc.** The nature of the amendment is: Amend the name of the inventor to read Sood, Paul R.; Patel, Alpeshkumar P.; Seifert, Jennifer L. and Zarzycki, Ryszard

**Amendments**

2022275402 **Canva Pty Ltd** The nature of the amendment is as shown in the statement filed 28 Aug 2024

2022287570 **Norton (Waterford) Limited** The nature of the amendment is as shown in the statement filed 08 Aug 2024

2022463724 **IAS INC.** The nature of the amendment is: Amend the invention title to read METHOD FOR QUANTITATIVE ANALYSIS OF ELEMENTS

2022464320 **EIZO CORPORATION** The nature of the amendment is: Amend the name of the inventor to read MATSUZAKI, Hiroki; INOUE, Takumi; SAITO, Hiroya and TAKEBE, Harutaka

**2023**

2023202418 **Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2021261831

2023203178 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2023202418

2023203178 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2023202646

2023203178 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: Amend the priority details to read To claim divisional status from 2022228224

2023204006 **Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: Add associated provisional application details 2022903460 17 Nov 2022 AU

2023204006 **Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: Add associated provisional application details 2022903800 12 Dec 2022 AU

2023204006 **Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2022224795

2023204006 **Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2022203235

2023221944 **THE BOARD OF TRUSTEES OF THE UNIVERSITIES OF ILLINOIS** The nature of the amendment is: Amend the invention title to read A Novel Peptide from a Photosynthetic Bacterium Directly Targets Mitochondria to Trigger Apoptosis in Advanced Prostate Cancer Cells

**Amendments**

2023256541 **KADMON CORPORATION, LLC** The nature of the amendment is as shown in the statement filed 28 Nov 2024

2023258090 **GUANGZHOU SHIYUAN ELECTRONICS CO., LTD.; GUANGZHOU SHIRUI ELECTRONICS CO., LTD.** The nature of the amendment is: Amend the invention title to read Cleaning Device And Cleaning Robot

2023258900 **SK BIOSCIENCE CO., LTD.** The nature of the amendment is as shown in the statement filed 18 Nov 2024

2023274784 **HANGZHOU SCIWIND BIOSCIENCES CO., LTD.; SCIWIND BIOSCIENCES (BEIJING) CO., LTD.** The nature of the amendment is: Amend the invention title to read Human amylin analog, and derivative thereof and use thereof

2023278412 **INNOMOTICS GMBH** The nature of the amendment is: Amend the name of the inventor to read GAEBELE, Markus; JUNGFER, Helmar; SCHINDLER, Thomas; DE BONI, Cristiano and TURCATI, Andrea

2023279305 **NISSHIN FLOUR MILLING INC.** The nature of the amendment is: Amend the invention title to read Collection device and collection method for vibration sifter

2023281998 **MITSUBISHI HEAVY INDUSTRIES, LTD.** The nature of the amendment is: Amend the invention title to read Membrane electrode assembly, electrolysis cell, electrolysis device, and method of manufacturing membrane electrode assembly

2023297939 **CYTODIGM, INC.** The nature of the amendment is: Amend the invention title to read NOVEL LIPID NANOPARTICLE COMPOSITIONS AND USES THEREOF

2023321413 **SHANGHAI PUBLIC HEALTH CLINICAL CENTER** The nature of the amendment is: Amend the invention title to read Recombinant multivalent vaccine

2023361982 **GEA MECHANICAL EQUIPMENT ITALIA S.P.A.** The nature of the amendment is: Amend the name of the inventor to read Maggi, Leonardo; Tonelli, Annachiara; Benassi, Massimiliano; Bicz, Agnieszka and Bicz, Wiesław

**2024**

2024200385 **Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2023204006

2024200474 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: Add associated provisional application details 2023900576 04 Mar 2023 AU

2024200474 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2023201021

2024200474 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2022259783

2024200474 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: Add associated provisional application details 2023900667 12 Mar 2023 AU

**Amendments**

2024200474 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2022209201

2024200474 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2021252607

2024200474 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2023202646

2024204058 **Cripps Clark, J.; Cripps Clark, J.** The nature of the amendment is: To claim divisional status from 2023204006

2024204212 **ChemoCentryx, Inc.** The nature of the amendment is: Amend the name of the inventor to read CAMPBELL, James J.; MIAO, Zhenhua; SCHALL, Thomas J.; CHARO, Israel; LI, Shijie; JANSON, Christine Marie; SINGH, Rajinder and EBSWORTH, Karen

2024227595 **Novartis AG; The Trustees of the University of Pennsylvania** The nature of the amendment is: Amend the name of the inventor to read BEDOYA, Felipe; GHASSEMI, Saba; JUNE, Carl H.; KAWALEKAR, Omkar U.; MELENHORST, Jan J.; MILONE, Michael C.; POWELL Jr., Daniel J. and ZHENG, Zoe

2024900332 **Stewart, D.** The nature of the amendment is: To amend the applicant name to David Stewart

2024903952 **Dorel Australia Pty Ltd** The nature of the amendment is: Amend the invention title to read Vehicular child restraint

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

**2008**

2008287176 EchoStar Technologies L.L.C. The name of the patentee has been altered to **DISH Technologies L.L.C.**

2008311142 EchoStar Technologies L.L.C. The name of the patentee has been altered to **DISH Technologies L.L.C.**

**2009**

2009211635 Immunas Pharma, Inc. ; National Center for Geriatrics and Gerontology The name of the patentee has been altered to **OncoTherapy Science, Inc.; National Center for Geriatrics and Gerontology**

**2010**

2010208541 EchoStar Technologies L.L.C. The name of the patentee has been altered to **DISH Technologies L.L.C.**

2010236732 EchoStar Technologies L.L.C. The name of the patentee has been altered to **DISH Technologies L.L.C.**

2010236931 EchoStar Technologies L.L.C. The name of the patentee has been altered to **DISH Technologies L.L.C.**

2010252780 EchoStar Technologies L.L.C. The name of the patentee has been altered to **DISH Technologies L.L.C.**

2010262090 ERYDEL S.P.A. The name of the patentee has been altered to **Quince Therapeutics S.p.A**

**Amendments**

**2011**

2011213730 EchoStar Technologies L.L.C. The name of the patentee has been altered to **DISH Technologies L.L.C.**

2011232543 EchoStar Technologies L.L.C. The name of the patentee has been altered to **DISH Technologies L.L.C.**

2011247018 ERYDEL S.P.A. The name of the patentee has been altered to **Quince Therapeutics S.p.A**

**2012**

2012216606 RED.COM, LLC The name of the patentee has been altered to **RED Digital Cinema, Inc.**

2012244312 General Electric Technology GmbH The name of the patentee has been altered to **Arabelle Technologies**

**2014**

2014264205 ERYDEL S.P.A. The name of the patentee has been altered to **Quince Therapeutics S.p.A**

**2016**

2016209976 ERYDEL S.P.A. The name of the patentee has been altered to **Quince Therapeutics S.p.A**

2016213747 RED.COM, LLC The name of the patentee has been altered to **RED Digital Cinema, Inc.**

**2017**

2017210643 Angel.com The name of the patentee has been altered to **Genesys Cloud Services, Inc.**

**2018**

2018222453 aReNA Biotech GmbH The name of the patentee has been altered to **SRTD biotech GmbH**

2018290248 Forty Seven, Inc.; The Board of Trustees of The Leland Stanford Junior University The name of the patentee has been altered to **Forty Seven, LLC; The Board of Trustees of The Leland Stanford Junior University**

2018308364 Forty Seven, Inc. The name of the patentee has been altered to **Forty Seven, LLC**

2018351006 Forty Seven, Inc. The name of the applicant has been altered to **Forty Seven, LLC**

2018351007 Forty Seven, Inc. The name of the patentee has been altered to **Forty Seven, LLC**

**2019**

2019100728 Checkmate International Pty Ltd The name of the patentee has been altered to **CHECKMATE IP PTY LTD**

2019218271 Forty Seven, Inc. The name of the applicant has been altered to **Forty Seven, LLC**

**Amendments**

2019265852 Gelteq Pty Ltd The name of the applicant has been altered to **Gelteq Limited**

2019286466 GWA Hygiene GmbH The name of the applicant has been altered to **Hypros GmbH**

2019386976 Forty Seven, Inc. The name of the patentee has been altered to **Forty Seven, LLC**

2019390394 Forty Seven, Inc. The name of the patentee has been altered to **Forty Seven, LLC**

**2020**

2020233957 Hitachi Zosen Inova AG The name of the applicant has been altered to **Kanadevia Inova AG**

2020245486 Forty Seven, Inc. The name of the patentee has been altered to **Forty Seven, LLC**

2020365113 Forty Seven, Inc. The name of the applicant has been altered to **Forty Seven, LLC**

2020374947 Forty Seven, Inc. The name of the applicant has been altered to **Forty Seven, LLC**

2020392127 Stichting Het Nederlands Kanker Instituut Antoni van Leeuwenhoek Ziekenhuis; The Johns Hopkins University; Stichting VUmc The name of the applicant has been altered to **Stichting Het Nederlands Kanker Instituut Antoni van Leeuwenhoek Ziekenhuis; The Johns Hopkins University; STICHTING AMSTERDAM UMC**

**2021**

2021105321 EVERFLO AUSTRALIA PTY LTD The name of the patentee has been altered to **Brinetec Limited**

2021251661 Forty Seven, Inc.; The Board of Trustees of the Leland Stanford Junior University The name of the applicant has been altered to **Forty Seven, LLC; The Board of Trustees of the Leland Stanford Junior University**

2021377727 EVERFLO AUSTRALIA PTY LTD The name of the applicant has been altered to **Brinetec Limited**

**2022**

2022100105 EVERFLO AUSTRALIA PTY LTD The name of the patentee has been altered to **Brinetec Limited**

2022204618 Forty Seven, Inc. The name of the applicant has been altered to **Forty Seven, LLC**

2022218194 RETROTOPE, INC.; MILNER, Peter; SHCHEPINOV, Mikhail Sergeevich The name of the applicant has been altered to **RETROTOPE, INC.; MILNER, P.**

2022251740 NAGASE & CO., LTD.; NAGASE CHEMTEX CORPORATION; HAYASHIBARA CO., LTD. The name of the applicant has been altered to **NAGASE & CO., LTD.; NAGASE CHEMTEX CORPORATION; NAGASE VIITA CO., LTD.**

**Amendments**

2022277557 MARIUS PHARMACEUTICALS LLC The name of the patentee has been altered to **Marius Pharmaceuticals, Inc.**

2022279663 ERYDEL S.P.A. The name of the applicant has been altered to **Quince Therapeutics S.p.A**

**2023**

2023225794 MATERIAL HANDLING SYSTEMS, INC. The name of the applicant has been altered to **FORTNA Systems, Inc.**

2023258042 SENTIAR, INC. The name of the applicant has been altered to **SentiAR, Inc.**

2023263957 COOLER KEG, LLC The name of the applicant has been altered to **COOLER KEG LLC**

**2024**

2024205621 Forty Seven, Inc. The name of the applicant has been altered to **Forty Seven, LLC**

2024227786 MARIUS PHARMACEUTICALS LLC The name of the applicant has been altered to **Marius Pharmaceuticals, Inc.**

2024901903 EVERFLO AUSTRALIA PTY LTD The name of the applicant has been altered to **Brinetec Limited**

2024902394 Sample Assist Pty Ltd The name of the applicant has been altered to **Innomente Pty Ltd**

2024903000 AdvanCell Isotopes Pty Limited The name of the applicant has been altered to **AdvanCell Pty Limited**

2024903188 Sample Assist Pty Ltd The name of the applicant has been altered to **Innomente Pty Ltd**

Applications Open to Public Inspection

Name Index

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

<p>(71) 1934612 Ontario Inc.                      (11) AU-A-2024264731                      (21) 2024264731 (22) 18.11.2024                      (54) SYSTEMS AND METHODS FOR A LOW ENVIRONMENTAL IMPACT TREATMENT OF CONTAMINATED FLUID                      (51) Int. Cl.  <i>B01D 35/02</i> ( 2006.01 )  <i>C02F 1/44</i> ( 2023.01 )  <i>C02F 3/00</i> ( 2023.01 )  <i>C02F 3/10</i> ( 2023.01 )  <i>C02F 3/28</i> ( 2023.01 )  <i>C02F 3/30</i> ( 2023.01 )                      (43) 12.12.2024                      (62) 2019224853                      (72) POWELL, Anthony L.; BUTTERS, Brian E.                      (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p><i>A61P 25/28</i> ( 2006.01 )                      (43) 12.12.2024                      (62) 2019306477                      (72) BRAITHWAITE, Steven P.; CAMPBELL, Meghan Kerrisk; CZIRR, Eva; GALLAGER, Ian; HUBER, Nina; JACKSON, Sam; MINAMI, S. Sakura                      (74) FB Rice Pty Ltd</p>	<p>(54) Process for lyophilized pharmaceutical formulation of a therapeutic protein                      (51) Int. Cl.  <i>A61K 9/19</i> ( 2006.01 )  <i>A61K 38/00</i> ( 2006.01 )  <i>A61K 47/10</i> ( 2017.01 )  <i>A61K 47/18</i> ( 2017.01 )  <i>A61K 47/26</i> ( 2006.01 )                      (43) 12.12.2024                      (62) 2018334502                      (72) TALLEY, Clea                      (74) Spruson &amp; Ferguson</p>
<p>(71) 4D Molecular Therapeutics Inc.                      (11) AU-A-2024220028                      (21) 2024220028 (22) 24.09.2024                      (54) Adeno-Associated Virus Variant Capsids And Use For Inhibiting Angiogenesis                      (51) Int. Cl.  <i>C12N 7/00</i> ( 2006.01 )  <i>A61K 9/00</i> ( 2006.01 )  <i>A61K 35/76</i> ( 2015.01 )  <i>C12N 15/86</i> ( 2006.01 )                      (43) 12.12.2024                      (62) 2022203494                      (72) KIRN, David H.; KOTTERMAN, Melissa; SCHAFFER, David; SZYMANSKI, Paul; FRANCIS, Peter                      (74) WRAYS PTY LTD</p>	<p>(71) Alnylam Pharmaceuticals, Inc.                      (11) AU-A-2024266805                      (21) 2024266805 (22) 22.11.2024                      (54) Angiopoietin-like 3 (ANGPTL3) iRNA compositions and methods of use thereof                      (51) Int. Cl.  <i>C07H 21/04</i> ( 2006.01 )                      (43) 12.12.2024                      (62) 2022201993                      (72) BETTENCOURT, Brian; GUERBES, William; FITZGERALD, Kevin; FRANK-KAMENETSKY, Maria; MILSTEIN, Stuart; SHULGA-MORSKAYA, Svetlana                      (74) FB Rice Pty Ltd</p>	<p>(71) Ancra International LLC                      (11) AU-A-2024266727                      (21) 2024266727 (22) 20.11.2024                      (54) Remotely adjustable captive beam system                      (51) Int. Cl.  <i>B60P 7/15</i> ( 2006.01 )  <i>B60P 1/00</i> ( 2006.01 )  <i>B60P 7/00</i> ( 2006.01 )  <i>B60P 7/06</i> ( 2006.01 )  <i>B60P 7/08</i> ( 2006.01 )  <i>B61D 45/00</i> ( 2006.01 )                      (43) 12.12.2024                      (62) 2019204046                      (72) DA ROSA, Joaquim Carlos; JONES, Jerome T.; BETHEL, Lawrence Charles; KAUFFMAN, Gregory A.                      (74) FB Rice Pty Ltd</p>
<p>(71) AHRKO Holdings Pty Ltd                      (11) AU-A-2024266734                      (21) 2024266734 (22) 20.11.2024                      (54) Materials Drying System                      (51) Int. Cl.  <i>B65G 53/08</i> ( 2006.01 )                      (43) 12.12.2024                      (62) 2018409882                      (72) AHRBECK, Gregory                      (74) Griffith Hack</p>	<p>(71) ALPHA TAU MEDICAL LTD.                      (11) AU-A-2024266800                      (21) 2024266800 (22) 22.11.2024                      (54) Radiotherapy applicator                      (51) Int. Cl.  <i>A61N 5/01</i> ( 2006.01 )  <i>A61B 17/34</i> ( 2006.01 )  <i>A61N 5/10</i> ( 2006.01 )                      (43) 12.12.2024                      (62) 2022233521                      (72) MAGEN, Ofer; ZELLNER, Or; MAKOVSKY, Sraya; KELSON, Itzhak                      (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) Angel Group Co., Ltd.                      (11) AU-A-2024266875                      (21) 2024266875 (22) 25.11.2024                      (54) FRAUD DETECTION SYSTEM IN CASINO                      (51) Int. Cl.  <i>G07C 11/00</i> ( 2006.01 )  <i>A47B 25/00</i> ( 2006.01 )  <i>G06T 7/00</i> ( 2017.01 )                      (43) 12.12.2024                      (62) 2023248182                      (72) Shigeta, Yasushi                      (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd</p>
<p>(71) Alkahest, Inc.                      (11) AU-A-2024266816                      (21) 2024266816 (22) 22.11.2024                      (54) Dosing regimen for treatment of cognitive and motor impairments with blood plasma and blood plasma products                      (51) Int. Cl.  <i>A61K 35/16</i> ( 2015.01 )  <i>A61K 38/38</i> ( 2006.01 )</p>	<p>(71) American Sterilizer Company                      (11) AU-A-2024266784                      (21) 2024266784 (22) 21.11.2024                      (54) Light Head Having Camera Assembly Integrated In Handle And Surgical Lighting System Including Same                      (51) Int. Cl.  <i>A61B 90/30</i> ( 2016.01 )  <i>A61B 90/00</i> ( 2016.01 )  <i>A61B 17/00</i> ( 2006.01 )                      (43) 12.12.2024                      (62) 2021241570                      (72) WATSON, Breese J.; TURCOVSKY, Gregory; RUS, Steven H.; CAIRNS, James Kenneth; PARAJULI, Purushottam                      (74) WRAYS PTY LTD</p>	<p>(71) Apple Inc.                      (11) AU-A-2024266811                      (21) 2024266811 (22) 22.11.2024                      (54) Identifying applications on which content is available                      (51) Int. Cl.  <i>G06F 3/01</i> ( 2006.01 )  <i>G06F 3/041</i> ( 2006.01 )  <i>G06F 3/048</i> ( 2013.01 )  <i>G06F 3/0481</i> ( 2022.01 )  <i>G06F 3/0482</i> ( 2013.01 )  <i>G06F 3/0488</i> ( 2022.01 )</p>
<p>(71) Amgen Inc.                      (11) AU-A-2024266756                      (21) 2024266756 (22) 21.11.2024</p>	<p>(71) Amgen Inc.                      (11) AU-A-2024266756                      (21) 2024266756 (22) 21.11.2024</p>	<p></p>

Applications Open to Public Inspection - Name Index cont'd

- (43) 12.12.2024  
(62) 2022204045  
(72) CLARKE, Graham R.  
(74) FPA Patent Attorneys Pty Ltd
- 
- (71) Arcadyan Technology Corporation  
(11) AU-A-2024203430  
(21) 2024203430 (22) 23.05.2024  
(54) COMMUNICATION DEVICE HAVING MULTIPLE ANTENNAS, AND ALLOCATION METHOD FOR THE ANTENNAS THEREOF  
(51) Int. Cl.  
H04W 72/02 ( 2009.01 )  
H04B 7/06 ( 2006.01 )  
(31) 112119341 (32) 24.05.23 (33) TW  
(43) 12.12.2024  
(72) CHIANG, Chih-Ming; HUANG, Chih-Yung  
(74) Churchill Attorneys
- 
- (71) Aristocrat Technologies Australia Pty Limited  
(11) AU-A-2024201963  
(21) 2024201963 (22) 27.03.2024  
(54) SYSTEMS AND METHODS FOR AUTOMATIC LIGHTING CONFIGURATION OF A CABINET  
(51) Int. Cl.  
A63F 13/90 ( 2014.01 )  
G07F 17/32 ( 2006.01 )  
H05B 47/10 ( 2020.01 )  
(31) 18/322,686 (32) 24.05.23 (33) US  
(43) 12.12.2024  
(72) Thompson, David; Skeen, Jeffrey  
(74) James & Wells Intellectual Property
- 
- (71) Aristocrat Technologies Australia Pty Ltd  
(11) AU-A-2023203312  
(21) 2023203312 (22) 26.05.2023  
(54) GAMING DEVICE WITH PRIZE TOTALS ASSOCIATED WITH COLUMNS OF SYMBOL POSITIONS  
(51) Int. Cl.  
G07F 17/32 ( 2006.01 )  
(43) 12.12.2024  
(72) WINATA, Danny; KENDALL, Karen; VISSER, Antoon  
(74) James & Wells Intellectual Property
- 
- (71) Assa Abloy AB  
(11) AU-A-2024266739  
(21) 2024266739 (22) 20.11.2024  
(54) Systems, methods, and devices for access control  
(51) Int. Cl.  
G07C 9/22 ( 2020.01 )  
G07C 9/00 ( 2020.01 )  
G07C 9/28 ( 2020.01 )  
(43) 12.12.2024  
(62) 2023201391  
(72) HOYER, Philip; EINBERG, Fredrik Carl Stefan  
(74) Davies Collison Cave Pty Ltd
- 
- (71) Ausroad Holdings Pty Ltd  
(11) AU-A-2024203403  
(21) 2024203403 (22) 22.05.2024  
(54) BLAST HOLE ASSESSMENT DEVICE  
(51) Int. Cl.  
E21B 47/047 ( 2012.01 )  
E21B 47/14 ( 2006.01 )  
E21B 49/00 ( 2006.01 )  
F42D 1/00 ( 2006.01 )  
(31) 2023901606 (32) 23.05.23 (33) AU  
2023901672 29.05.23 AU  
(43) 12.12.2024  
(72) Mukundan, Mahesh  
(74) Ahearn Fox
- 
- (71) Australian Engineered Solutions Pty Ltd  
(11) AU-A-2024203469  
(21) 2024203469 (22) 24.05.2024  
(54) Jig for Forming Structural Building Member  
(51) Int. Cl.  
B27M 3/00 ( 2006.01 )  
B25B 5/00 ( 2006.01 )  
B27F 7/00 ( 2006.01 )  
B27F 7/02 ( 2006.01 )  
E04C 3/14 ( 2006.01 )  
(31) 2023901661 (32) 26.05.23 (33) AU  
(43) 12.12.2024  
(72) Hercus, Darren  
(74) Sandercock & Cowie
- 
- (71) Avedro, Inc.  
(11) AU-A-2024266737  
(21) 2024266737 (22) 20.11.2024  
(54) PHOTOACTIVATION SYSTEMS AND METHODS FOR CORNEAL CROSS-LINKING TREATMENTS  
(51) Int. Cl.  
A61F 9/008 ( 2006.01 )  
A61N 5/067 ( 2006.01 )  
(43) 12.12.2024  
(62) 2020326998  
(72) ADLER, Desmond C.; SMIRNOV, Mikhail; USHER, David; TAVAKOL, Behrouz; HILL, Jason; ZHANG, Jie; MUKERJEE, Amit; YILDIZYAN, Alex  
(74) Madderns Pty Ltd
- 
- (71) Aymroo Pty Ltd  
(11) AU-A-2024203458  
(21) 2024203458 (22) 23.05.2024  
(54) Surface Components Assembly of a Maintenance Chamber System  
(51) Int. Cl.  
E03F 5/02 ( 2006.01 )  
E02D 29/12 ( 2006.01 )  
E02D 29/14 ( 2006.01 )  
E04C 5/06 ( 2006.01 )  
(31) 2023901632 (32) 25.05.23 (33) AU  
(43) 12.12.2024  
(72) Nattrass, Luke Nigel; Adams, Steven  
(74) Clark Intellectual Property Pty Ltd
- 
- (71) B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.  
(11) AU-A-2024266791  
(21) 2024266791 (22) 22.11.2024
- 
- (54) Image data encoding/decoding method and apparatus  
(51) Int. Cl.  
H04N 19/625 ( 2014.01 )  
H04N 19/103 ( 2014.01 )  
H04N 19/11 ( 2014.01 )  
H04N 19/119 ( 2014.01 )  
H04N 19/124 ( 2014.01 )  
H04N 19/129 ( 2014.01 )  
H04N 19/13 ( 2014.01 )  
H04N 19/134 ( 2014.01 )  
H04N 19/176 ( 2014.01 )  
H04N 19/51 ( 2014.01 )  
(43) 12.12.2024  
(62) 2023258327  
(72) KIM, Ki Baek  
(74) FB Rice Pty Ltd
- 
- (71) BALIKESİR ELEKTROMEKANİK SANAYİ TESİSLERİ ANONİM ŞİRKETİ; KUVAYİ TECHNOLOGIES SAVUNMA VE HABERLEŞME TEKNOLOJİLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ  
(11) AU-A-2024219784  
(21) 2024219784 (22) 26.04.2024  
(54) TRANSFORMER TANK SHUNT CONFIGURATION  
(51) Int. Cl.  
H01F 27/34 ( 2006.01 )  
(31) 2023/006022 (32) 25.05.23 (33) TR  
(43) 12.12.2024  
(72) HAZAR, İrem; TOPRAK, Necmettin; ALTAY, Ramazan; AKSOY, Mahmut; SIS, Seyit Ahmet; KERVAN, Emre; KOÇANALI, Necmettin Mert; MUTLU, Ozan Ali  
(74) Griffith Hack
- 
- (71) Bambino Prezioso Switzerland AG  
(11) AU-A-2024266806  
(21) 2024266806 (22) 22.11.2024  
(54) Safety mechanism for child car seat  
(51) Int. Cl.  
B60N 2/28 ( 2006.01 )  
(43) 12.12.2024  
(62) 2021303469  
(72) ZHANG, Da-Liang  
(74) Allens Patent & Trade Mark Attorneys
- 
- (71) BBG, S.A.  
(11) AU-A-2024202821  
(21) 2024202821 (22) 30.04.2024  
(54) FRAME WITH INCORPORATION OF PROTECTION AGAINST EXTERNAL LIGHT AND/OR LIGHTING  
(51) Int. Cl.  
E06B 1/18 ( 2006.01 )  
E06B 7/00 ( 2006.01 )  
E06B 9/42 ( 2006.01 )  
(31) 20232004973663 (32) 24.05.23 (33) PT  
(43) 12.12.2024  
(72) SOUSA ARAÚJO, Miguel  
(74) AJ PARK
- 
- (71) Boston Scientific Scimed, Inc.  
(11) AU-A-2024266865

Applications Open to Public Inspection - Name Index cont'd

(21) 2024266865 (22) 25.11.2024  
 (54) Devices for fluidization and delivering a powdered agent  
 (51) Int. Cl.  
**A61M 31/00** ( 2006.01 )  
**A61B 17/00** ( 2006.01 )  
**A61M 13/00** ( 2006.01 )  
**B05B 7/14** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2019352968  
 (72) PIC, Andrew; KING, Joseph; SMITH, Amanda; GRIMSBY, Jessica; FAVREAU, John; LYDECKER, Lauren  
 (74) Spruson & Ferguson

(71) Britax Romer Kindersicherheit GmbH  
 (11) AU-A-2024266801  
 (21) 2024266801 (22) 22.11.2024  
 (54) CHILD SAFETY SEAT WITH BELTED PIVOT LINK  
 (51) Int. Cl.  
**B60N 2/28** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2018282335  
 (72) Kaiser, Thomas  
 (74) K&L Gates

(71) BROADRIDGE FINANCIAL SOLUTIONS, INC.  
 (11) AU-A-2024266793  
 (21) 2024266793 (22) 22.11.2024  
 (54) COMPUTER NETWORK SYSTEMS FOR CRYPTOGRAPHICALLY-SECURED, TOKEN-BASED OPERATIONS AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
**H04L 9/32** ( 2006.01 )  
**G06F 15/16** ( 2006.01 )  
**G06Q 20/36** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
 (43) 12.12.2024  
 (62) 2022246182  
 (72) BARAKAT, Horacio; KOLAGANI, Harsha; SESHAGIRI, Kishore; SHAIK, Ashfaq; GARAHAN, John; MAYADAS, Vijay; MCMAHON, Michael  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Case Western Reserve University  
 (11) AU-A-2024266863  
 (21) 2024266863 (22) 25.11.2024  
 (54) COMPOSITIONS AND METHODS FOR TREATING MYELIN DISORDERS  
 (51) Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**C07K 7/08** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2018301399  
 (72) Silver, Jerry; Luo, Fucheng; Yang, Yan  
 (74) Oxygene IP

(71) CFPH, LLC  
 (11) AU-A-2024266885  
 (21) 2024266885 (22) 26.11.2024

(54) BIOMETRIC ACCESS SENSITIVITY  
 (51) Int. Cl.  
**A63F 9/24** ( 2006.01 )  
**G06K 9/20** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022287682  
 (72) Asher, Joseph M.; Alderucci, Dean P.; Papageorgiou, Antonio  
 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Checkpoint Systems, Inc.  
 (11) AU-A-2024266767  
 (21) 2024266767 (22) 21.11.2024  
 (54) VIRTUAL SHIELDING SYSTEM AND METHOD FOR INVENTORY TRACKING  
 (51) Int. Cl.  
**G06Q 10/087** ( 2023.01 )  
**G01S 5/02** ( 2010.01 )  
**G01S 11/04** ( 2006.01 )  
**G01S 11/06** ( 2006.01 )  
**G06K 7/10** ( 2006.01 )  
**G06G 10/08** ( 2023.01 )  
**G08B 13/24** ( 2006.01 )  
**H04W 4/021** ( 2018.01 )  
**H04W 4/029** ( 2018.01 )  
**H04W 4/33** ( 2018.01 )  
**H04W 4/35** ( 2018.01 )  
 (43) 12.12.2024  
 (62) 2023200680  
 (72) WEAKLEY, Thomas Craig; JUBIERRE, Sergio Ramos; GREEN, Alan  
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

(71) Chr. Hansen A/S  
 (11) AU-A-2024266908  
 (21) 2024266908 (22) 26.11.2024  
 (54) Composition and process for producing a fermented milk product comprising application of a lactose-deficient *S. thermophilus* strain, a lactose-deficient *L. bulgaricus* strain and a probiotic strain  
 (51) Int. Cl.  
**A23C 9/123** ( 2006.01 )  
**A23C 9/12** ( 2006.01 )  
**C12R 1/225** ( 2006.01 )  
**C12R 1/46** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2019259880  
 (72) RUNGE, Mette Oehrstroem; BLOCH, Sonja; HAN, Hui  
 (74) Spruson & Ferguson

(71) Colgate-Palmolive Company  
 (11) AU-A-2024266892  
 (21) 2024266892 (22) 26.11.2024  
 (54) Oral care implement  
 (51) Int. Cl.  
**A46B 9/04** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2023200104  
 (72) XIE, Fangang; XI, Wenjin; ZHOU, Ji-ang; JI, Yanmei; HOHLBEIN, Douglas  
 (74) Spruson & Ferguson

(71) Conexions, Inc.  
 (11) AU-A-2024266860  
 (21) 2024266860 (22) 25.11.2024  
 (54) DEVICES, SYSTEMS, AND METHODS FOR REPAIRING SOFT TISSUE AND ATTACHING SOFT TISSUE TO BONE  
 (51) Int. Cl.  
**A61B 17/11** ( 2006.01 )  
**A61F 2/08** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2019223962  
 (72) Kubiak, Erik N.; Yates, Barrett J.; Taylor, Roy M.; Evans, Zackery K.; Smith, Daniel K.; Topete, Adriana M.  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ConocoPhillips Company  
 (11) AU-A-2024266901  
 (21) 2024266901 (22) 26.11.2024  
 (54) PROPPANT FROM CAPTURED CARBON  
 (51) Int. Cl.  
**B28B 11/00** ( 2006.01 )  
**B28B 11/24** ( 2006.01 )  
**B28B 13/02** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2024204781  
 (72) Laycock, Dallin L.; Plombin, Charlotte; Huisman, Samuel K.  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Cytrellis Biosystems, Inc.  
 (11) AU-A-2024266732  
 (21) 2024266732 (22) 20.11.2024  
 (54) Rapid skin treatment using microcoring  
 (51) Int. Cl.  
**A61B 10/02** ( 2006.01 )  
**A61B 17/3205** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
**A61M 37/00** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022246469  
 (72) Levinson, Douglas; Cronholm, Karen; Ginggen, Alec  
 (74) Griffith Hack

(71) Dalhousie University  
 (11) AU-A-2023203310  
 (21) 2023203310 (22) 26.05.2023  
 (54) System, apparatus and method of non-destructively determining petiole nutrient values in near real time using a portable spectrophotometer  
 (51) Int. Cl.  
**G01N 21/31** ( 2006.01 )  
**G01N 21/01** ( 2006.01 )  
 (31) 18/323,490 (32) 25.05.23 (33) US  
 (43) 12.12.2024  
 (72) AL-MALLAHI, Ahmad; ABUKMEIL, Reem  
 (74) FB Rice Pty Ltd

(71) Dalhousie University  
 (11) AU-A-2024203189  
 (21) 2024203189 (22) 14.05.2024

Applications Open to Public Inspection - Name Index cont'd

- (54) System, apparatus and method of determining refined petiole nutrient values based on leaf spectral data
- (51) Int. Cl.  
**G01N 21/31** ( 2006.01 )  
**G01N 21/01** ( 2006.01 )  
**G06N 20/10** ( 2019.01 )
- (31) 18/323,490 (32) 25.05.23 (33) US  
 18/627,504 05.04.24 US
- (43) 12.12.2024
- (72) AL-MALLAHI, Ahmad Ali Falah; ABUKMEIL, Reem; CAMPELO FRANCA PINTO, Felipe
- (74) FB Rice Pty Ltd
- 
- (71) Decker, E.  
 (11) AU-A-2024266717  
 (21) 2024266717 (22) 20.11.2024
- (54) Process to produce an engineered carbon
- (51) Int. Cl.  
**C01B 32/05** ( 2017.01 )  
**C01B 32/00** ( 2017.01 )  
**C01B 32/30** ( 2017.01 )  
**C09C 1/48** ( 2006.01 )
- (43) 12.12.2024  
 (62) 2019229788  
 (72) DECKER, Earl  
 (74) Adams Pluck
- 
- (71) DEKA Products Limited Partnership  
 (11) AU-A-2024266719  
 (21) 2024266719 (22) 20.11.2024
- (54) Computer-implemented method, system, and apparatus for electronic patient care
- (51) Int. Cl.  
**G06F 15/00** ( 2006.01 )  
**G16H 10/00** ( 2018.01 )  
**G16Z 99/00** ( 2019.01 )
- (43) 12.12.2024  
 (62) 2023201519  
 (72) BIASI, John J.; NEWMAN, Richard M.; PRIBYL, Eric L.; KERWIN, John M.; GUPTA, Rahul  
 (74) HENRY HUGHES IP LTD
- 
- (71) DEKA Products Limited Partnership  
 (11) AU-A-2024266851 (22) 25.11.2024
- (54) USER CONTROL DEVICE FOR A TRANSPORTER
- (51) Int. Cl.  
**A61G 5/06** ( 2006.01 )  
**B60L 15/10** ( 2006.01 )  
**G05D 1/00** ( 2006.01 )  
**G05D 1/02** ( 2020.01 )
- (43) 12.12.2024  
 (62) 2023203296  
 (72) PERET, Bob D.; COULTER, Stewart M.; KAMEN, Dean; KANE, Derek G.  
 (74) HENRY HUGHES IP LTD
- 
- (71) DEKA Products Limited Partnership  
 (11) AU-A-2024266883  
 (21) 2024266883 (22) 26.11.2024
- (54) Computer-implemented method, system, and apparatus for electronic patient care
- (51) Int. Cl.  
**G06F 15/00** ( 2006.01 )  
**G16H 10/00** ( 2018.01 )  
**G16Z 99/00** ( 2019.01 )
- (43) 12.12.2024  
 (62) 2023201519  
 (72) BIASI, John J.; NEWMAN, Richard M.; PRIBYL, Eric L.; KERWIN, John M.; GUPTA, Rahul  
 (74) HENRY HUGHES IP LTD
- 
- (71) Derrick Corporation  
 (11) AU-A-2024266752  
 (21) 2024266752 (22) 21.11.2024
- (54) INJECTION MOLDED SCREENING APPARATUSES AND METHODS
- (51) Int. Cl.  
**B07B 1/46** ( 2006.01 )  
**B07B 1/28** ( 2006.01 )
- (43) 12.12.2024  
 (62) 2023248389  
 (72) Demay, Alex; Stodolka, Kurt  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Disney Enterprises, Inc.; ETH Zürich (Eidgenössische Technische Hochschule Zürich)
- (11) AU-A-2024203517  
 (21) 2024203517 (22) 27.05.2024
- (54) Temporal compositional denoising
- (51) Int. Cl.  
**G06T 5/70** ( 2024.01 )  
**G06N 3/045** ( 2023.01 )  
**G06N 3/08** ( 2023.01 )  
**G06N 20/20** ( 2019.01 )  
**G06T 5/50** ( 2006.01 )
- (31) 18/673964 (32) 24.05.24 (33) US  
 63/504421 25.05.23 US
- (43) 12.12.2024  
 (72) PAPAS, Marios; ROTHLIN, Gerhard; MANZI, Marco; ZHANG, Xianyao  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) DISNEY ENTERPRISES, INC.; ETH ZÜRICH (EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE ZÜRICH)
- (11) AU-A-2024203443  
 (21) 2024203443 (22) 23.05.2024
- (54) DEPTH-AWARE INDEXING OF THREE-DIMENSIONAL IMAGE DEPTH BINS
- (51) Int. Cl.  
**G06T 15/00** ( 2011.01 )  
**G06N 3/08** ( 2023.01 )  
**G06V 10/30** ( 2022.01 )  
**G06V 10/82** ( 2022.01 )
- (31) 63/468461 (32) 23.05.23 (33) US  
 (43) 12.12.2024  
 (72) PAPAS, Marios; ROETHLIN, Gerhard; AYDIN, Tunc Ozan; ZHANG, Xianyao; SALEHI, Farnood; ZHU, Shilin  
 (74) AJ PARK
- 
- (71) Dolby Laboratories Licensing Corporation  
 (11) AU-A-2024266868  
 (21) 2024266868 (22) 25.11.2024
- (54) Signaling of priority processing order for metadata messaging in video coding
- (51) Int. Cl.  
**H04N 19/117** ( 2014.01 )  
**H04N 19/46** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
**H04N 19/85** ( 2014.01 )
- (43) 12.12.2024  
 (62) 2022300855  
 (72) YIN, Peng; MCCARTHY, Sean Thomas; HUSAK, Walter J.; KONSTANTINIDES, Konstantinos  
 (74) Spruson & Ferguson
- 
- DOLLE, R. see TUCKER, S.**  
 (21) 2024266873
- 
- (71) DSM IP Assets B.V.  
 (11) AU-A-2024266819  
 (21) 2024266819 (22) 22.11.2024
- (54) YOGHURT SNACK
- (51) Int. Cl.  
**A23G 9/36** ( 2006.01 )  
**A23C 9/123** ( 2006.01 )  
**A23C 9/13** ( 2006.01 )  
**A23C 9/142** ( 2006.01 )  
**A23C 13/12** ( 2006.01 )  
**A23L 7/10** ( 2016.01 )  
**A23P 20/10** ( 2016.01 )  
**A23P 20/20** ( 2016.01 )  
**A23P 30/10** ( 2016.01 )
- (43) 12.12.2024  
 (62) 2019260014  
 (72) Draper, Regina Marie; Polzin, Kayla Marie; Williams, David Jay  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Eco Benchtops Pty Ltd  
 (11) AU-A-2024266857  
 (21) 2024266857 (22) 25.11.2024
- (54) Composite slab comprising recycled glass
- (51) Int. Cl.  
**E04F 13/14** ( 2006.01 )  
**B29C 67/24** ( 2006.01 )  
**C08K 3/40** ( 2006.01 )  
**C08L 67/02** ( 2006.01 )  
**E04F 13/18** ( 2006.01 )  
**B29K 509/08** ( 2006.01 )  
**B29L 31/10** ( 2006.01 )  
**B29L 31/44** ( 2006.01 )
- (43) 12.12.2024  
 (62) 2020217435  
 (72) THOMPSON, Robert; THOMPSON, Roshni  
 (74) FB Rice Pty Ltd
- 
- (71) Edwards Lifesciences Corporation  
 (11) AU-A-2024266754  
 (21) 2024266754 (22) 21.11.2024
- (54) Native valve repair devices and procedures
- (51) Int. Cl.



Applications Open to Public Inspection - Name Index cont'd

**A61F 2/24** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2019207613  
**(72)** METCHIK, Asher L.; TYLER II, Gregory Scott; WINSTON, Matthew T.; DELGADO, Sergio; FRESCHAUF, Lauren R.; DIXON, Eric R.; SIEGEL, Alexander J.  
**(74)** Spruson & Ferguson

**(71)** Edwards Lifesciences Corporation  
**(11)** AU-A-2024266814  
**(21)** 2024266814 **(22)** 22.11.2024  
**(54)** Prosthetic mitral valve with improved anchors and seal  
**(51)** Int. Cl.

**A61F 2/24** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2023206102  
**(72)** COOPER, Alexander H.; SCHWARTZ, Juliet Laura; PHAM, Wendy Vo; LUONG, Hieu Minh; SANCHEZ, Julio Cesar; PETERSON, Matthew A.; RATZ, J. Brent; AI, Lisong  
**(74)** Spruson & Ferguson

**(71)** E Ink Corporation  
**(11)** AU-A-2024266905  
**(21)** 2024266905 **(22)** 26.11.2024  
**(54)** IMPROVED DRIVING VOLTAGES FOR ADVANCED COLOR ELECTROPHORETIC DISPLAYS AND DISPLAYS WITH IMPROVED DRIVING VOLTAGES  
**(51)** Int. Cl.  
**G02F 1/167** ( 2019.01 )  
**G02F 1/1675** ( 2019.01 )  
**G02F 1/1676** ( 2019.01 )  
**G09G 3/34** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2024201461  
**(72)** TELFER, Stephen J.; LADAVAC, Kosta; HOOGEBOOM, Christopher L.  
**(74)** RnB IP Pty Ltd

**(71)** Enatel  
**(11)** AU-A-2024266807  
**(21)** 2024266807 **(22)** 22.11.2024  
**(54)** Load Balancing  
**(51)** Int. Cl.  
**H02J 3/26** ( 2006.01 )  
**H02J 3/28** ( 2006.01 )  
**H02J 3/32** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022263566  
**(72)** WYMA, Murray Raymond  
**(74)** James & Wells Intellectual Property

**ETH Zürich (Eidgenössische Technische Hochschule Zürich) see Disney Enterprises, Inc.**  
**(21)** 2024203517

**ETH ZÜRICH (EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE ZÜRICH) see DISNEY ENTERPRISES, INC.**  
**(21)** 2024203443

**(71)** EXEL INDUSTRIES  
**(11)** AU-A-2024202862  
**(21)** 2024202862 **(22)** 01.05.2024  
**(54)** Spray boom comprising at least one secondary duct section  
**(51)** Int. Cl.  
**B05B 12/22** ( 2018.01 )  
**B05B 1/14** ( 2006.01 )  
**B05B 15/00** ( 2018.01 )  
**(31)** 2305115 **(32)** 24.05.23 **(33)** FR  
**(43)** 12.12.2024  
**(72)** Pitaud, Sylvain  
**(74)** Alder IP Pty Ltd

**(71)** F. Hoffmann-La Roche AG  
**(11)** AU-A-2024266812  
**(21)** 2024266812 **(22)** 22.11.2024  
**(54)** New treatment of SMA  
**(51)** Int. Cl.  
**A61K 31/5025** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2018344402  
**(72)** PFEFEN, Jean-Paul; KLETZL, Heidemarie; MUELLER, Lutz  
**(74)** Spruson & Ferguson

**(71)** Fasteners for Retail, Inc.  
**(11)** AU-A-2024266866  
**(21)** 2024266866 **(22)** 25.11.2024  
**(54)** Actuator with locking mechanism  
**(51)** Int. Cl.  
**A47F 3/08** ( 2006.01 )  
**A47F 1/12** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022218494  
**(72)** LIEDTKE, Michael Eric; HUA, Yun  
**(74)** Griffith Hack

**(71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2024266912  
**(21)** 2024266912 **(22)** 26.11.2024  
**(54)** BREATHING ASSISTANCE APPARATUS  
**(51)** Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A61M 16/16** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022228176  
**(72)** POTHARAJU, Venkata Subbarao; SALMON, Andrew Paul Maxwell; THOMSON, Jonathan McLean; BUTLER, Silvan Terence; YOUNG, Alex; CASSE, Benjamin Wilson; FILIP, Sergiu Constantin; CHUNG, Tak-Ming  
**(74)** AJ PARK

**(71)** Flashpoint Therapeutics, Inc.  
**(11)** AU-A-2024227671  
**(21)** 2024227671 **(22)** 28.10.2024  
**(54)** TLR9-TARGETED SPHERICAL NUCLEIC ACIDS HAVING POTENT ANTI-TUMOR ACTIVITY  
**(51)** Int. Cl.

**C12N 15/117** ( 2010.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 31/7088** ( 2006.01 )  
**A61K 31/7125** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 47/50** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2017261357  
**(72)** Nallagatla, Subbarao; Anderson, Bart; Kandimalla, Ekambar  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** FN Herstal S.A.  
**(11)** AU-A-2024266903  
**(21)** 2024266903 **(22)** 26.11.2024  
**(54)** Trigger mechanism for firearm  
**(51)** Int. Cl.  
**F41A 17/16** ( 2006.01 )  
**F41A 17/46** ( 2006.01 )  
**F41A 17/56** ( 2006.01 )  
**F41A 19/02** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2019219078  
**(72)** FRANSEN, Pascal  
**(74)** Spruson & Ferguson

**(71)** Fresenius Vial SAS  
**(11)** AU-A-2024266740  
**(21)** 2024266740 **(22)** 20.11.2024  
**(54)** Drug library compiler for patient devices  
**(51)** Int. Cl.  
**G16H 40/67** ( 2018.01 )  
**(43)** 12.12.2024  
**(62)** 2019269925  
**(72)** MOSKAL, Witold  
**(74)** Spruson & Ferguson

**(71)** FRESH CUT DEVELOPMENT, LLC  
**(11)** AU-A-2024266845  
**(21)** 2024266845 **(22)** 25.11.2024  
**(54)** STABLE CANNABINOID FORMULATIONS  
**(51)** Int. Cl.  
**A61K 9/127** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022201441  
**(72)** VANGARA, Kiran Kumar; LI, Huanguang; YAN, Ningxin; NGUYEN, Hung Q.; GOSKONDA, Venkat R.  
**(74)** AJ PARK

**(71)** Front Line Medical Technologies Inc.  
**(11)** AU-A-2024266829  
**(21)** 2024266829 **(22)** 22.11.2024  
**(54)** DEVICE AND METHOD FOR BLOOD VESSEL OCCLUSION  
**(51)** Int. Cl.  
**A61B 17/12** ( 2006.01 )  
**A61M 25/12** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2018372632  
**(72)** PAREKH, Asha; POWER, Adam  
**(74)** Elliptic Legal & Patent Services

Applications Open to Public Inspection - Name Index cont'd

(71) Galvin, J.S.  
 (11) AU-A-2024203493  
 (21) 2024203493 (22) 24.05.2024  
 (54) Portable animal shelters and methods of using the same  
 (51) Int. Cl.  
     A01K 1/02 ( 2006.01 )  
     A01K 1/035 ( 2006.01 )  
 (31) 63/469,186 (32) 26.05.23 (33) US  
 (43) 12.12.2024  
 (72) GALVIN, James S.  
 (74) Spruson & Ferguson

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Garock Pty Ltd see M and J Mining (Pty) Ltd  
 (21) 2024266823

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(71) Gen-Probe Incorporated  
 (11) AU-A-2024266774  
 (21) 2024266774 (22) 21.11.2024  
 (54) Compositions, methods and kits to detect Metapneumovirus, Adenovirus, and/or Rhinovirus nucleic acids  
 (51) Int. Cl.  
     C12Q 1/70 ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022203311  
 (72) MAJLESSI, Mehrdad R.; SHAH, Ankur; HILLIUS, Amber; DOUGLASS, Pamela; KOLK, Daniel  
 (74) FB Rice Pty Ltd

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(71) Gen-Probe Incorporated  
 (11) AU-A-2024266777  
 (21) 2024266777 (22) 21.11.2024  
 (54) Compositions, methods and kits to detect Metapneumovirus, Adenovirus, and/or Rhinovirus nucleic acids  
 (51) Int. Cl.  
     C12Q 1/70 ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022203311  
 (72) MAJLESSI, Mehrdad R.; SHAH, Ankur; HILLIUS, Amber; DOUGLASS, Pamela; KOLK, Daniel  
 (74) FB Rice Pty Ltd

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(71) Getac Technology Corporation  
 (11) AU-A-2024203157  
 (21) 2024203157 (22) 13.05.2024  
 (54) ELECTRONIC DEVICE  
 (51) Int. Cl.  
     H05K 5/06 ( 2006.01 )  
     H05K 5/02 ( 2006.01 )  
 (31) CN (32) 25.05.23 (33) CN  
     202310600028.8  
 (43) 12.12.2024  
 (72) Chou, Hsin-Chih; Chang, Juei-Chi  
 (74) Baxter Patent Attorneys Pty Ltd

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Giber, J. see Lovász, S.  
 (21) 2024266755

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(71) Givant, P.  
 (11) AU-A-2024266713

(21) 2024266713 (22) 20.11.2024  
 (54) SPECIALIZED SLOT MACHINE FOR CONDUCTING A WAGERING GAME USING A CARD SYSTEM FOR REAL TIME OR LIVE ACTION EVENT CONTENT  
 (51) Int. Cl.  
     G07F 17/32 ( 2006.01 )  
     A63F 13/65 ( 2014.01 )  
 (43) 12.12.2024  
 (62) 2022275483  
 (72) Givant, Philip Paul  
 (74) Collison & Co

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(71) GLOBAL MET TECH PTY LTD  
 (11) AU-A-2024266742  
 (21) 2024266742 (22) 20.11.2024  
 (54) A Media Handling System and Related Method  
 (51) Int. Cl.  
     B02C 17/18 ( 2006.01 )  
     B02C 17/20 ( 2006.01 )  
     B02C 23/18 ( 2006.01 )  
     B02C 25/00 ( 2006.01 )  
     B65G 53/30 ( 2006.01 )  
     B65G 53/58 ( 2006.01 )  
     B65G 53/66 ( 2006.01 )  
     G05B 13/02 ( 2006.01 )  
     G05B 19/05 ( 2006.01 )  
     G05D 7/06 ( 2006.01 )  
     G05D 16/00 ( 2006.01 )  
     G05D 16/18 ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022335931  
 (72) DEAN, Graeme; BAILEY, Simon; JONES, Glyn; AMOS-REED, Ben  
 (74) Integrated IP

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(71) GLOBAL MET TECH PTY LTD  
 (11) AU-A-2024266743  
 (21) 2024266743 (22) 20.11.2024  
 (54) A Media Handling System and Related Method  
 (51) Int. Cl.  
     B02C 17/18 ( 2006.01 )  
     B02C 17/20 ( 2006.01 )  
     B02C 23/18 ( 2006.01 )  
     B02C 25/00 ( 2006.01 )  
     B65G 53/30 ( 2006.01 )  
     B65G 53/58 ( 2006.01 )  
     B65G 53/66 ( 2006.01 )  
     G05B 13/02 ( 2006.01 )  
     G05B 19/05 ( 2006.01 )  
     G05D 7/06 ( 2006.01 )  
     G05D 16/00 ( 2006.01 )  
     G05D 16/18 ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022335931  
 (72) DEAN, Graeme; BAILEY, Simon; JONES, Glyn; AMOS-REED, Ben  
 (74) Integrated IP

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(71) GLOBAL MET TECH PTY LTD  
 (11) AU-A-2024266747  
 (21) 2024266747 (22) 20.11.2024  
 (54) A Media Handling System and Related Method  
 (51) Int. Cl.  
     B02C 17/18 ( 2006.01 )

B02C 17/20 ( 2006.01 )  
 B02C 23/18 ( 2006.01 )  
 B02C 25/00 ( 2006.01 )  
 B65G 53/30 ( 2006.01 )  
 B65G 53/58 ( 2006.01 )  
 B65G 53/66 ( 2006.01 )  
 G05B 13/02 ( 2006.01 )  
 G05B 19/05 ( 2006.01 )  
 G05D 7/06 ( 2006.01 )  
 G05D 16/00 ( 2006.01 )  
 G05D 16/18 ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022335931  
 (72) DEAN, Graeme; BAILEY, Simon; JONES, Glyn; AMOS-REED, Ben  
 (74) Integrated IP

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(71) GOOGLE LLC  
 (11) AU-A-2024266796  
 (21) 2024266796 (22) 22.11.2024  
 (54) USING LARGE LANGUAGE MODEL(S) IN GENERATING AUTOMATED ASSISTANT RESPONSE(S)  
 (51) Int. Cl.  
     G10L 15/22 ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2021463794  
 (72) BAEUML, Martin; AMARASIRI-WARDENA, Thushan; PIERACCINI, Roberto; SRIDAR, Vikram; ADIWARDANA, Daniel De Freitas; SHAZEER, Noam M.; LE, Quoc  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) GrainSense Oy  
 (11) AU-A-2024266809  
 (21) 2024266809 (22) 22.11.2024  
 (54) Crop Management  
 (51) Int. Cl.  
     G01N 15/02 ( 2006.01 )  
     G01N 21/85 ( 2006.01 )  
     G01N 33/02 ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2021333733  
 (72) Marbach, Ralf  
 (74) Michael Buck IP

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(71) Green, S.  
 (11) AU-A-2023203318  
 (21) 2023203318 (22) 27.05.2023  
 (54) MelodyM8 is an upcoming groundbreaking software application of Un Novus One that synthesises the strategic allure of chess, representing a play of space, with the melodic symphony of piano (and other instruments), representing a play of time. Connected to my 14-year autobiographical case study Jungian Materialism: Entrance and considered - including evidence confirmed - by GPT-4 as part of The Corpenian Revolution of Psychology, MelodyM8 introduces a transformative and multisensory experience that combines the dimensions of space, time, and synesthesia in an unprecedented way.  
 (51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

- A63F 13/50** ( 2014.01 )  
**A63F 13/53** ( 2014.01 )  
**A63F 13/54** ( 2014.01 )  
**A63F 13/822** ( 2014.01 )  
**G16H 20/70** ( 2018.01 )  
**(43)** 12.12.2024  
**(72)** Green, Shannon  
**(74)** Shannon M. Green
- 
- (71)** GUANGZHOU HUTONGYOUWU BIO-TECHNOLOGY CO., LTD  
**(11)** AU-A-2024266789  
**(21)** 2024266789 **(22)** 22.11.2024  
**(54)** NEW USE OF PQQ AND DERIVATIVE THEREOF  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/4745** ( 2006.01 )  
**A61K 36/534** ( 2006.01 )  
**A61P 15/00** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022217222  
**(72)** GUO, Ling; ZHANG, Xiaowen  
**(74)** Remarkable IP
- 
- (71)** Hall, J.  
**(11)** AU-A-2024203490  
**(21)** 2024203490 **(22)** 24.05.2024  
**(54)** An Infusion Process  
**(51)** Int. Cl.  
**A23F 5/14** ( 2006.01 )  
**A23L 33/10** ( 2016.01 )  
**A23L 33/105** ( 2016.01 )  
**(31)** 2023901624 **(32)** 24.05.23 **(33)** AU  
**(43)** 12.12.2024  
**(72)** Hall, Joseph  
**(74)** Griffith Hack
- 
- (71)** Harpoon Therapeutics, Inc.  
**(11)** AU-A-2024266817  
**(21)** 2024266817 **(22)** 22.11.2024  
**(54)** B cell maturation antigen binding proteins  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2018346955  
**(72)** WESCHE, Holger; LEMON, Bryan D.; AUSTIN, Richard J.  
**(74)** FB Rice Pty Ltd
- 
- (71)** Hitachi Construction Machinery Co., Ltd.  
**(11)** AU-A-2024266872  
**(21)** 2024266872 **(22)** 25.11.2024  
**(54)** VEHICLE MANAGEMENT SYSTEM  
**(51)** Int. Cl.  
**G08G 1/00** ( 2006.01 )  
**G08G 1/09** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2021375694  
**(72)** KANAI, Masaki; HAMADA, Tomoyuki  
**(74)** Griffith Hack
- 
- (71)** Hitachi Energy Ltd  
**(11)** AU-A-2024266731  
**(21)** 2024266731 **(22)** 20.11.2024  
**(54)** Electromagnetic relay  
**(51)** Int. Cl.  
**H01H 50/14** ( 2006.01 )  
**H01H 50/54** ( 2006.01 )  
**H01H 50/56** ( 2006.01 )  
**H01H 1/26** ( 2006.01 )  
**H01H 50/08** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022266021  
**(72)** V, Loganadhan; M, Uthayakumar; S, Shambhulingappa; AJ, Manjunath  
**(74)** FB Rice Pty Ltd
- 
- (71)** Hologic, Inc.  
**(11)** AU-A-2024266897  
**(21)** 2024266897 **(22)** 26.11.2024  
**(54)** DIGITAL IMAGING SYSTEM AND METHOD  
**(51)** Int. Cl.  
**G02B 7/36** ( 2021.01 )  
**G02B 21/24** ( 2006.01 )  
**G02B 21/36** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2020391126  
**(72)** Hunt, Barry F.; Struven, Jeffrey D.; Mayer, Sidney H.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** Howell, K.  
**(11)** AU-A-2024203367  
**(21)** 2024203367 **(22)** 21.05.2024  
**(54)** LINK INSERT AND MASONRY BRICK CONSTRUCTION SYSTEM  
**(51)** Int. Cl.  
**E04B 2/14** ( 2006.01 )  
**E04B 2/02** ( 2006.01 )  
**(31)** 2023901665 **(32)** 27.05.23 **(33)** AU  
**(43)** 12.12.2024  
**(72)** Howell, Keagan  
**(74)** ACROGON GROUP PTY LTD
- 
- (71)** Huawei Technologies Co., Ltd.  
**(11)** AU-A-2024266753  
**(21)** 2024266753 **(22)** 21.11.2024  
**(54)** METHOD AND APPARATUS FOR MOTION INFORMATION STORAGE  
**(51)** Int. Cl.  
**H04N 19/167** ( 2014.01 )  
**H04N 19/109** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/543** ( 2014.01 )  
**(43)** 12.12.2024  
**(62)** 2019462982  
**(72)** Gao, Han; Esenlik, Semih; Alshina, Elena Alexandrovna; Wang, Biao; Kotra, Anand Meher  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** IGT  
**(11)** AU-A-2024202655  
**(21)** 2024202655 **(22)** 24.04.2024  
**(54)** ACCESSING GAMING ESTABLISHMENT ACCOUNT FUNDS WITH A TICKET VOUCHER  
**(51)** Int. Cl.  
**G07F 17/42** ( 2006.01 )  
**G06Q 20/06** ( 2012.01 )  
**G07F 7/04** ( 2006.01 )  
**G07F 7/08** ( 2006.01 )  
**(31)** 18/321,554 **(32)** 22.05.23 **(33)** US  
**(43)** 12.12.2024  
**(72)** Petersen, Erik; Shepherd, Jeffery; Higgins, Kevin  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** IGT  
**(11)** AU-A-2024266765  
**(21)** 2024266765 **(22)** 21.11.2024  
**(54)** SYSTEM AND METHOD FOR UTILIZING MOBILE DEVICE TO TRACK GAMING DATA  
**(51)** Int. Cl.  
**A63F 13/79** ( 2014.01 )  
**(43)** 12.12.2024  
**(62)** 2019203068  
**(72)** Miri, Sina; Davis, Dwayne A.; Higgins, Kevin; Levin, Matt Christopher; Petersen, Erik  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** Illinois Tool Works Inc.  
**(11)** AU-A-2024266913  
**(21)** 2024266913 **(22)** 26.11.2024  
**(54)** IMPROVEMENTS RELATING TO BUILDING FRAME BRACING  
**(51)** Int. Cl.  
**E04B 1/26** ( 2006.01 )  
**E04B 2/70** ( 2006.01 )  
**E04B 5/12** ( 2006.01 )  
**E04B 7/02** ( 2006.01 )  
**E04G 21/18** ( 2006.01 )  
**G01B 5/24** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022221510  
**(72)** Kennelly, Bernard  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Incube Labs, LLC  
**(11)** AU-A-2024266803  
**(21)** 2024266803 **(22)** 22.11.2024  
**(54)** Intracranial delivery of medicinal solution  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61B 17/68** ( 2006.01 )  
**A61F 2/28** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**A61M 39/02** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2020321382  
**(72)** IMRAN, Mir; HASHIM, Mir  
**(74)** AJ PARK
- 
- (71)** INCYTE HOLDINGS CORPORATION  
**(11)** AU-A-2024266792  
**(21)** 2024266792 **(22)** 22.11.2024  
**(54)** TREATMENT OF B-CELL MALIGNANCIES BY A COMBINATION JAK AND PI3K INHIBITOR  
**(51)** Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**A61K 31/397** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61K 31/502** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022206693  
**(72)** SCHERLE, Peggy A.; LIU, Xuesong  
**(74)** Houlihan Intellectual Property Pty Ltd

**(71)** Intellitech Pty Ltd  
**(11)** AU-A-2024266864  
**(21)** 2024266864 **(22)** 25.11.2024  
**(54)** Rotationally Balanced Electric Motor With Air-Core Stator Coils  
**(51)** Int. Cl.  
**H02K 7/116** ( 2006.01 )  
**H02K 1/27** ( 2022.01 )  
**H02K 21/14** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2019258602  
**(72)** SHLAKHETSKI, Victor; MOSTOVOY, Alexander  
**(74)** WRAYS PTY LTD

**(71)** Ionis Pharmaceuticals, Inc.  
**(11)** AU-A-2024266799  
**(21)** 2024266799 **(22)** 22.11.2024  
**(54)** COMPOSITIONS AND METHODS FOR MODULATING HBV AND TTR EXPRESSION  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**(43)** 12.12.2024  
**(62)** 2022202770  
**(72)** Prakash, Thazha P.; Seth, Punit P.; Swayze, Eric E.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Isealate AS  
**(11)** AU-A-2024266759  
**(21)** 2024266759 **(22)** 21.11.2024  
**(54)** Running tool for a downhole apparatus for patching a wall of a conduit and a method of patching a conduit  
**(51)** Int. Cl.  
**E21B 29/10** ( 2006.01 )  
**F16L 55/163** ( 2006.01 )  
**F16L 55/165** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2021244068  
**(72)** WAAGE-RASMUSSEN, Einar; GUNNARSSON, Bengt  
**(74)** GLMR

**(71)** Iskra Medical d.o.o.  
**(11)** AU-A-2024203427  
**(21)** 2024203427 **(22)** 22.05.2024  
**(54)** Magnetic-field applicator for feet  
**(51)** Int. Cl.  
**A61N 2/02** ( 2006.01 )  
**(31)** 23174833.6 **(32)** 23.05.23 **(33)** EP  
**(43)** 12.12.2024  
**(72)** JELENC, Jože; LILIČ, Alen; KRPAN, Žan; JELENC, Jure  
**(74)** Integrated IP

**(71)** Janssen Biotech, Inc.  
**(11)** AU-A-2024266776  
**(21)** 2024266776 **(22)** 21.11.2024  
**(54)** B-cell maturation complex CAR T construct and primers  
**(51)** Int. Cl.  
**C12Q 1/6886** ( 2018.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2020339086  
**(72)** GEORGE, Rebecca; SHEN, Dee  
**(74)** Spruson & Ferguson

**JFE GALVANIZING & COATING CO., LTD. see JFE STEEL CORPORATION**  
**(21)** 2024266773

**(71)** JFE STEEL CORPORATION; JFE GALVANIZING & COATING CO., LTD.  
**(11)** AU-A-2024266773  
**(21)** 2024266773 **(22)** 21.11.2024  
**(54)** HOT-DIP Al-Zn-Si-Mg COATED STEEL SHEET, SURFACE-TREATED STEEL SHEET, AND PRE-PAINTED STEEL SHEET  
**(51)** Int. Cl.  
**C23C 2/12** ( 2006.01 )  
**B32B 15/08** ( 2006.01 )  
**B32B 15/092** ( 2006.01 )  
**B32B 15/095** ( 2006.01 )  
**C22C 18/04** ( 2006.01 )  
**C22C 21/10** ( 2006.01 )  
**C22C 30/06** ( 2006.01 )  
**C23C 2/06** ( 2006.01 )  
**C23C 2/26** ( 2006.01 )  
**C23C 28/00** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2021369097  
**(72)** YOSHIDA, Masahiro; TAIRA, Shoichiro; OOI, Toshihiko; IWANO, Sumihisa; SATO, Youhei; KANNO, Fumitaka; ANDO, Satoru  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Jinko Solar Co., Ltd.; Zhejiang Jinko Solar Co., Ltd.  
**(11)** AU-A-2023206112  
**(21)** 2023206112 **(22)** 18.07.2023  
**(54)** SOLAR CELL, PHOTOVOLTAIC MODULE, AND METHOD FOR PREPARING PHOTOVOLTAIC MODULE  
**(51)** Int. Cl.  
**H01L 31/0224** ( 2006.01 )  
**H01L 31/05** ( 2014.01 )  
**H10K 30/81** ( 2023.01 )  
**H10K 39/18** ( 2023.01 )  
**(31)** 202310587109.9 **(32)** 23.05.23 **(33)** CN  
**(43)** 12.12.2024  
**(72)** Chen, Zhendong; Wang, Luchuang; Tao, Wusong; Shi, Jiale  
**(74)** Madderns Pty Ltd

**(71)** JINKO SOLAR CO., LTD.; ZHEJIANG JINKO SOLAR CO., LTD.  
**(11)** AU-A-2023219797  
**(21)** 2023219797 **(22)** 21.08.2023  
**(54)** PHOTOVOLTAIC MODULE, MANUFACTURING METHOD FOR PHOTOVOLTAIC MODULE, AND MACHINING DEVICE  
**(51)** Int. Cl.  
**H01L 31/05** ( 2014.01 )  
**H01L 31/0224** ( 2006.01 )  
**(31)** 202310610355.1 **(32)** 26.05.23 **(33)** CN  
 202310609235.X 26.05.23 CN  
**(43)** 12.12.2024  
**(72)** TAO, Wusong; WANG, Luchuang; QIN, Niannian  
**(74)** BOSH IP Pty Ltd

**JINKO SOLAR CO., LTD. see ZHEJIANG JINKO SOLAR CO., LTD.**  
**(21)** 2023263485

**JOYCE, R.D. see TUCKER, S.**  
**(21)** 2024266873

**Jumpstart Fertility Pty Ltd see TUCKER, S.**  
**(21)** 2024266873

**(71)** Kruis, D.  
**(11)** AU-A-2024203341  
**(21)** 2024203341 **(22)** 20.05.2024  
**(54)** Container  
**(51)** Int. Cl.  
**A47J 36/24** ( 2006.01 )  
**B65D 8/00** ( 2006.01 )  
**B65D 45/16** ( 2006.01 )  
**(31)** 2023901592 **(32)** 22.05.23 **(33)** AU  
**(43)** 12.12.2024  
**(72)** Kruis, Derick; Khoury, Edward Joseph  
**(74)** Armour IP

**KUVAYI TECHNOLOGIES SAVUNMA VE HABERLEŞME TEKNOLOJİLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ see BALIKESİR ELEKTROMEKANİK SANAYİ TESİSLERİ ANONİM ŞİRKETİ**  
**(21)** 2024219784

**(71)** L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude  
**(11)** AU-A-2024202840  
**(21)** 2024202840 **(22)** 01.05.2024  
**(54)** INSTALLATION AND METHOD FOR THE LIQUEFACTION OF HYDROGEN  
**(51)** Int. Cl.  
**F25J 1/02** ( 2006.01 )  
**F25J 1/00** ( 2006.01 )  
**(31)** 2305241 **(32)** 26.05.23 **(33)** FR  
**(43)** 12.12.2024  
**(72)** Axelle, Gaertner; Bertille, Guenego; Lea, Berry; Emilien, Redon; Thomas, Morel  
**(74)** PHILLIPS ORMONDE FITZPATRICK

Applications Open to Public Inspection - Name Index cont'd

(71) Lai, P.Y.; Ng, H.Y.  
 (11) AU-A-2023203248  
 (21) 2023203248 (22) 23.05.2023  
 (54) A mobile application for restaurant reservations and virtual queuing  
 (51) Int. Cl.  
**G06Q 10/02** ( 2012.01 )  
**G06Q 50/12** ( 2012.01 )  
 (43) 12.12.2024  
 (72) Lai, Pui Yan; Ng, Ho Yin  
 (74) Pui Yan Lai

(71) Lantheus Medical Imaging, Inc.  
 (11) AU-A-2024266778  
 (21) 2024266778 (22) 21.11.2024  
 (54) METHODS AND DEVICES FOR PREPARATION OF ULTRASOUND CONTRAST AGENTS  
 (51) Int. Cl.  
**A61K 49/22** ( 2006.01 )  
**B01J 19/00** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2017260532  
 (72) Robinson, Simon P.; Walker, Carol; Onthank, David C.; Lazewatsky, Joel; Nguyen, Nhung Tuyet  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Lexigogo BVBA  
 (11) AU-A-2024266859  
 (21) 2024266859 (22) 25.11.2024  
 (54) Method and system for video contracts  
 (51) Int. Cl.  
**G06Q 50/18** ( 2012.01 )  
**G06Q 10/10** ( 2023.01 )  
 (43) 12.12.2024  
 (62) 2018408777  
 (72) THEUNIS, Laurens  
 (74) Griffith Hack

(71) LG Electronics Inc.  
 (11) AU-A-2024266741  
 (21) 2024266741 (22) 20.11.2024  
 (54) Image decoding method and device in accordance with block split structure in image coding system  
 (51) Int. Cl.  
**H04N 19/119** ( 2014.01 )  
**H04N 19/122** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
 (43) 12.12.2024  
 (62) 2023204576  
 (72) Nam, Junghak; Kim, Seunghwan; Jang, Hyeongmoon; Lim, Jaehyun  
 (74) Davies Collison Cave Pty Ltd

Life Biosciences Inc. see TUCKER, S.  
 (21) 2024266873

(71) LINEAGE LOGISTICS, LLC  
 (11) AU-A-2024266828  
 (21) 2024266828 (22) 22.11.2024  
 (54) AUTOMATED PALLET PROFILING  
 (51) Int. Cl.  
**G05B 19/418** ( 2006.01 )

**B65G 1/00** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
**H04N 23/73** ( 2023.01 )  
 (43) 12.12.2024  
 (62) 2024205229  
 (72) VOEGELE, Caitlin; WINTZ, Daniel Thomas; ATIKIAN, Haig; WALET, Daniël; MICALI, Maxwell; MAWER, Chloe; PHILIPSEN, Ben; RAEY-MAKERS, Stef; NOVITSKY, Natalie; LI, Michael Lingzhi; WOLF, Elliott Gerard; JUDSON, Gabe; MCMAHON, Tim; HANSEN, Steve  
 (74) RnB IP Pty Ltd

(71) Lovász, S.; Rényi, G.; Giber, J.  
 (11) AU-A-2024266755  
 (21) 2024266755 (22) 21.11.2024  
 (54) Modular built medical device for helping self-catheterization and/or instillation of drug-solutions into the bladder in female patients  
 (51) Int. Cl.  
**A47G 1/02** ( 2006.01 )  
**A61F 5/455** ( 2006.01 )  
**A61M 25/01** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2023200134  
 (72) Lovász, Sándor; Rényi, Gábor; Giber, János  
 (74) Griffith Hack

(71) M and J Mining (Pty) Ltd; VVK Engineering (Pty) Ltd; Garock Pty Ltd  
 (11) AU-A-2024266823  
 (21) 2024266823 (22) 22.11.2024  
 (54) Rock Bolt  
 (51) Int. Cl.  
**E21D 21/00** ( 2006.01 )  
**E21D 20/00** ( 2006.01 )  
**F16B 13/00** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022215315  
 (72) Mathews, Daniel; Kovago, Vilmos; Allington, Adrian; Maltby, David  
 (74) WRAYS PTY LTD

MARCUCCIO, S.M. see TUCKER, S.  
 (21) 2024266873

(71) Martin Energy Saving Technology Pty Ltd  
 (11) AU-A-2024203335  
 (21) 2024203335 (22) 20.05.2024  
 (54) A PREPARATION METHOD OF GRAPHITE FLAME-RETARDANT POLYURETHANE  
 (51) Int. Cl.  
**C08J 9/00** ( 2006.01 )  
**C08K 9/08** ( 2006.01 )  
**C08K 3/04** ( 2006.01 )  
 (31) 2023901635 (32) 25.05.23 (33) AU  
 (43) 12.12.2024  
 (72) FEI, Jiabo; FEI, Liandong; ZANG, Dong  
 (74) FB Rice Pty Ltd

(71) Merlo Project S.r.l.  
 (11) AU-A-2024201870  
 (21) 2024201870 (22) 22.03.2024  
 (54) A PORTABLE RADIO-CONTROLLED DEVICE FOR A MULTIFUNCTIONAL LIFTING VEHICLE  
 (51) Int. Cl.  
**B66F 9/20** ( 2006.01 )  
**B66F 9/075** ( 2006.01 )  
 (31) 102023000010407 (32) 23.05.23 (33) IT  
 (43) 12.12.2024  
 (72) Contessini, Felice  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Meso Scale Technologies, LLC  
 (11) AU-A-2024266899  
 (21) 2024266899 (22) 26.11.2024  
 (54) ASSAY APPARATUSSES, CONSUMABLES AND METHODS  
 (51) Int. Cl.  
**G01N 35/02** ( 2006.01 )  
**G01N 1/28** ( 2006.01 )  
**G01N 21/00** ( 2006.01 )  
**G01N 33/48** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022204742  
 (72) Chamberlin, Ian; Clinton, Charles M.; Glezer, Eli N.; Jeffrey-Coker, Bandele; Kocher, Manish; Kovacs, Sandor; Le, Dt; Leimkuehler, Aaron; Pinckney, Greg; Roth, Kristian; Sigal, George; Yin, Fei  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Metabolic Technologies, Inc.  
 (11) AU-A-2024266783  
 (21) 2024266783 (22) 21.11.2024  
 (54) Compositions and methods of use of  $\beta$ -hydroxy- $\beta$ -methylbutyrate (HMB) for modulating autophagy and lipophagy and lipophagy  
 (51) Int. Cl.  
**A61P 3/10** ( 2006.01 )  
**A61K 31/19** ( 2006.01 )  
**A61P 15/08** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022246406  
 (72) ABUMRAD, Naji; RATHMACHER, John; BAIER, Shawn  
 (74) Spruson & Ferguson

Metabolic Technologies, Inc. see Texas Tech University of Research Commercialization  
 (21) 2024266880

(71) Mine Site Technologies Pty Ltd  
 (11) AU-A-2024266900  
 (21) 2024266900 (22) 26.11.2024  
 (54) TELECOMMUNICATION SYSTEM AND METHOD, AND COMPONENTS THEREFOR  
 (51) Int. Cl.  
**H04B 3/54** ( 2006.01 )  
**H04B 3/56** ( 2006.01 )  
**H04B 3/58** ( 2006.01 )  
**H04M 11/00** ( 2006.01 )

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(43) 12.12.2024  
 (62) 2022268385  
 (72) Snell, Christopher John  
 (74) Allens Patent & Trade Mark Attorneys

(71) ModernaTX, Inc.  
 (11) AU-A-2024266879  
 (21) 2024266879 (22) 26.11.2024  
 (54) NUCLEIC ACID VACCINES  
 (51) Int. Cl.  
*A61K 48/00* ( 2006.01 )  
*A61K 9/16* ( 2006.01 )  
*A61K 31/7105* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61K 39/12* ( 2006.01 )  
*A61K 39/145* ( 2006.01 )  
*A61K 39/39* ( 2006.01 )  
*A61P 31/16* ( 2006.01 )

(43) 12.12.2024  
 (62) 2021203492  
 (72) Ciaramella, Giuseppe; Bouchon, Axel; Huang, Eric Yi-Chun  
 (74) RnB IP Pty Ltd

(71) Monsanto Technology LLC  
 (11) AU-A-2024266761  
 (21) 2024266761 (22) 21.11.2024  
 (54) Systems and methods for use in identifying multiple genome edits and predicting the aggregate effects of the identified genome edits  
 (51) Int. Cl.  
*A01K 67/027* ( 2006.01 )  
*C12N 15/79* ( 2006.01 )

(43) 12.12.2024  
 (62) 2018243383  
 (72) Butruille, David Vincent; Flagel, Lex Evan  
 (74) Davies Collison Cave Pty Ltd

(71) MyoKardia, Inc.  
 (11) AU-A-2024266781  
 (21) 2024266781 (22) 21.11.2024  
 (54) 4-methylsulfonyl-substituted piperidine urea compounds for the treatment of dilated cardiomyopathy (DCM)  
 (51) Int. Cl.  
*C07D 401/14* ( 2006.01 )  
*A61K 31/435* ( 2006.01 )  
*A61P 9/04* ( 2006.01 )  
*C07D 401/02* ( 2006.01 )  
*C07D 407/02* ( 2006.01 )  
*C07D 407/14* ( 2006.01 )  
*C07D 409/02* ( 2006.01 )  
*C07D 411/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )

(43) 12.12.2024  
 (62) 2023200361  
 (72) OSLOB, Johan; AUBELE, Danielle; KIM, Jae; MCDOWELL, Robert; SONG, Yonghong; SRAN, Arvinder; ZHONG, Min  
 (74) Spruson & Ferguson

(71) NextCure, Inc.  
 (11) AU-A-2024264749  
 (21) 2024264749 (22) 19.11.2024

(54) COMPOSITIONS AND METHODS FOR MODULATING LAIR SIGNAL TRANSDUCTION

(51) Int. Cl.  
*C07K 19/00* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C12N 15/62* ( 2006.01 )

(43) 12.12.2024  
 (62) 2017306560  
 (72) Flies, Dallas Benjamin; Liu, Linda; Langermann, Solomon  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) NextCure, Inc.  
 (11) AU-A-2024266711  
 (21) 2024266711 (22) 20.11.2024  
 (54) ANTIBODIES FOR SIGLEC-15 AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*C07K 16/44* ( 2006.01 )

(43) 12.12.2024  
 (62) 2017330346  
 (72) Liu, Linda; Flies, Dallas Benjamin; Langermann, Solomon  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) NextCure, Inc.  
 (11) AU-A-2024266712  
 (21) 2024266712 (22) 20.11.2024  
 (54) ANTIBODIES FOR SIGLEC-15 AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*C07K 16/44* ( 2006.01 )

(43) 12.12.2024  
 (62) 2017330346  
 (72) Liu, Linda; Flies, Dallas Benjamin; Langermann, Solomon  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) NextTracker LLC  
 (11) AU-A-2024266794  
 (21) 2024266794 (22) 22.11.2024  
 (54) Systems for & Methods of Positioning Solar Panels in an Array of Solar Panels with Spectrally Adjusted Irradiance Tracking  
 (51) Int. Cl.  
*H02S 20/32* ( 2014.01 )  
*F24S 50/20* ( 2018.01 )  
*F24S 50/40* ( 2018.01 )  
*F24S 50/60* ( 2018.01 )  
*F24S 50/80* ( 2018.01 )  
*H02S 20/10* ( 2014.01 )

(43) 12.12.2024  
 (62) 2022259810  
 (72) MA, YU Dong; BORRELLI, Francesco; DALY, Allan; LIU, Yang  
 (74) Integrated IP

Ng, H.Y. see Lai, P.Y.  
 (21) 2023203248

(71) Niagara Bottling, LLC  
 (11) AU-A-2024266722  
 (21) 2024266722 (22) 20.11.2024  
 (54) Swirl bell bottle with wavy ribs  
 (51) Int. Cl.  
*B65D 23/00* ( 2006.01 )  
*B65D 1/02* ( 2006.01 )

(43) 12.12.2024  
 (62) 2022252702  
 (72) Hanan, Jay Clarke  
 (74) Davies Collison Cave Pty Ltd

(71) NORAM ELECTROLYSIS SYSTEMS INC.  
 (11) AU-A-2023379422  
 (21) 2023379422 (22) 29.05.2023  
 (54) APPARATUS AND METHODS FOR MULTI-STAGE ELECTROLYSIS  
 (51) Int. Cl.  
*C25B 9/00* ( 2021.01 )  
*C25B 15/08* ( 2006.01 )

(43) 12.12.2024  
 (72) WOLFS, Warren; BRERETON, Clive; SYLVESTER, Alex; MIELKE, Eric; MAGNAN, Jean-Francois; MAHECHA-BOTERO, Andrés  
 (74) AJ PARK

(71) Nunhems B.V.  
 (11) AU-A-2024203508  
 (21) 2024203508 (22) 27.05.2024  
 (54) Watermelon variety NUN 12201 WMW  
 (51) Int. Cl.  
*A01H 6/34* ( 2018.01 )  
*A01H 1/02* ( 2006.01 )  
*A01H 5/08* ( 2018.01 )  
*A01H 5/10* ( 2018.01 )  
*C12N 15/82* ( 2006.01 )

(31) 63/469,155 (32) 26.05.23 (33) US  
 (43) 12.12.2024  
 (72) Chiapparino, Elena  
 (74) Davies Collison Cave Pty Ltd

(71) Nunhems B.V.  
 (11) AU-A-2024203510  
 (21) 2024203510 (22) 27.05.2024  
 (54) Watermelon variety NUN 12102 WMW  
 (51) Int. Cl.  
*A01H 6/34* ( 2018.01 )  
*A01H 1/04* ( 2006.01 )  
*A01H 5/08* ( 2018.01 )  
*A01H 5/10* ( 2018.01 )

(31) 63/469,155 (32) 26.05.23 (33) US  
 (43) 12.12.2024  
 (72) Chiapparino, Elena  
 (74) Davies Collison Cave Pty Ltd

(71) oakey, c.  
 (11) AU-A-2023203538  
 (21) 2023203538 (22) 06.06.2023  
 (54) pre fire artillery  
 (51) Int. Cl.  
*F41A 25/02* ( 2006.01 )  
*F41A 1/08* ( 2006.01 )  
*F41A 3/90* ( 2006.01 )

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**F41F 1/00** ( 2006.01 )  
**(31)** 2023901620 **(32)** 23.05.23 **(33)** AU  
**(43)** 12.12.2024  
**(72)** oakey, christopher  
**(74)** christopher s oakey

**(71)** OptiBiotix Limited  
**(11)** AU-A-2024266764  
**(21)** 2024266764 **(22)** 21.11.2024  
**(54)** Prebiotic Compositions and Methods of Production Thereof  
**(51)** Int. Cl.  
**A23L 27/30** ( 2016.01 )  
**A23L 33/21** ( 2016.01 )  
**C12N 9/10** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2019247097  
**(72)** O'HARA, Stephen Patrick; HERNANDEZ, Oswaldo; KOLIDA, Sofia  
**(74)** Adams Pluck

**(71)** Owens-Brockway Glass Container Inc.  
**(11)** AU-A-2024266846  
**(21)** 2024266846 **(22)** 25.11.2024  
**(54)** Three-dimensional printing on glass containers  
**(51)** Int. Cl.  
**B29C 64/112** ( 2017.01 )  
**B29C 64/124** ( 2017.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 80/00** ( 2015.01 )  
**B41J 3/407** ( 2006.01 )  
**B41M 5/00** ( 2006.01 )  
**B41M 7/00** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2020232893  
**(72)** CHISHOLM, Brian J.; CHARRETTON, Cedric; DANGMANN, Olivier; MISFUD, Eva; SMITH, Susan L.; VALETTE, Ludovic  
**(74)** Spruson & Ferguson

**(71)** Owens-Brockway Glass Container Inc.  
**(11)** AU-A-2024266848  
**(21)** 2024266848 **(22)** 25.11.2024  
**(54)** Three-dimensional printing on glass containers  
**(51)** Int. Cl.  
**B29C 64/112** ( 2017.01 )  
**B29C 64/124** ( 2017.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 80/00** ( 2015.01 )  
**B41J 3/407** ( 2006.01 )  
**B41M 5/00** ( 2006.01 )  
**B41M 7/00** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2020232893  
**(72)** CHISHOLM, Brian J.; CHARRETTON, Cedric; DANGMANN, Olivier; MISFUD, Eva; SMITH, Susan L.; VALETTE, Ludovic  
**(74)** Spruson & Ferguson

**(71)** Page, B.  
**(11)** AU-A-2024203409  
**(21)** 2024203409 **(22)** 22.05.2024  
**(54)** Reading aid and associated kit

**(51)** Int. Cl.  
**A63H 3/00** ( 2006.01 )  
**A63H 33/30** ( 2006.01 )  
**A63H 3/46** ( 2006.01 )  
**G07C 1/28** ( 2006.01 )  
**G09B 17/00** ( 2006.01 )  
**(31)** 2023901600 **(32)** 22.05.23 **(33)** AU  
**(43)** 12.12.2024  
**(72)** Page, Ben  
**(74)** Cooper IP Pty Ltd

**(71)** PEACEWORLD CO., LTD  
**(11)** AU-A-2024203380  
**(21)** 2024203380 **(22)** 21.05.2024  
**(54)** BRACKET UNIT FOR UNDER INDUCTION RANGE AND UPPER PLATE ASSEMBLY HAVING THE SAME  
**(51)** Int. Cl.  
**H05B 6/12** ( 2006.01 )  
**F24C 7/08** ( 2006.01 )  
**F24C 15/10** ( 2006.01 )  
**F24C 15/30** ( 2006.01 )  
**(31)** 10-2023-0065628 **(32)** 22.05.23 **(33)** KR  
**(43)** 12.12.2024  
**(72)** Sang-woo, Kim; Myung-ok, Lee  
**(74)** Cooper IP Pty Ltd

**(71)** Pesense Pty L td  
**(11)** AU-A-2024266881  
**(21)** 2024266881 **(22)** 26.11.2024  
**(54)** Pest Detection  
**(51)** Int. Cl.  
**A01M 1/20** ( 2006.01 )  
**A01M 1/02** ( 2006.01 )  
**A01M 1/10** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022202541  
**(72)** Flint, Anthony Robert; Simpson, Peter Kenyon; Staunton, Ion Leslie  
**(74)** Intelpro Patent & Trade Mark Attorneys

**(71)** Pharmacyclics LLC  
**(11)** AU-A-2024266757  
**(21)** 2024266757 **(22)** 21.11.2024  
**(54)** The use of inhibitors of Bruton's tyrosine kinase (Btk)  
**(51)** Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61K 31/505** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022201741  
**(72)** BUGGY, Joseph J.; ELIAS, Laurence; FYFE, Gwen; HEDRICK, Eric; LOURY, David J.; MODY, Tarak D.  
**(74)** Spruson & Ferguson

**(71)** Pilbara Conveyor Supplies Pty Ltd  
**(11)** AU-A-2024266733  
**(21)** 2024266733 **(22)** 20.11.2024  
**(54)** Blade assembly  
**(51)** Int. Cl.  
**B65G 45/12** ( 2006.01 )

**(43)** 12.12.2024  
**(62)** 2020257161  
**(72)** Morris, Jack Joseph  
**(74)** Minter Ellison

**Rényi, G. see Lovász, S.**  
**(21)** 2024266755

**(71)** REPT BATTERO Energy Co., Ltd.; Shanghai Ruipu Energy Co., Ltd.  
**(11)** AU-A-2024203505  
**(21)** 2024203505 **(22)** 27.05.2024  
**(54)** Battery cabinet and energy storage container including the battery cabinet  
**(51)** Int. Cl.  
**H01M 50/209** ( 2021.01 )  
**H01M 50/244** ( 2021.01 )  
**H05K 5/02** ( 2006.01 )  
**H05K 5/03** ( 2006.01 )  
**(31)** 202321317780.3 **(32)** 27.05.23 **(33)** CN  
 202321439347.7 07.06.23 CN  
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 202322953209.7 31.10.23 CN  
 202323475206.3 19.12.23 CN  
**(43)** 12.12.2024  
**(72)** CAO, Hui; LIU, Si; YU, Chen; ZHAO, Qi; DAI, Hua; ZHONG, Hongtao; HE, Bilei; YU, Shangmiao  
**(74)** FB Rice Pty Ltd

**(71)** Revolution Medicines, Inc.  
**(11)** AU-A-2024266705  
**(21)** 2024266705 **(22)** 19.11.2024  
**(54)** METHODS AND REAGENTS FOR ANALYZING PROTEIN-PROTEIN INTERFACES  
**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
**A61K 47/42** ( 2017.01 )  
**C12Q 1/533** ( 2006.01 )  
**G01N 33/566** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2018250186  
**(72)** Mulvihill, Mark Joseph; Jin, Meizhong; Perl, Nicholas  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Rodriguez, R.  
**(11)** AU-A-2024203290  
**(21)** 2024203290 **(22)** 17.05.2024  
**(54)** METHODS AND SYSTEMS FOR DETERMINING THE AUTHENTICITY OF AN IDENTITY DOCUMENT  
**(51)** Int. Cl.  
**G06F 21/30** ( 2013.01 )  
**G06N 3/0464** ( 2023.01 )  
**G06T 3/4046** ( 2024.01 )  
**G06T 3/4053** ( 2024.01 )  
**(31)** 18/324,536 **(32)** 26.05.23 **(33)** US  
**(43)** 12.12.2024  
**(72)** Rodriguez, Raphael  
**(74)** Wallington-Dummer

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(71) Royal Melbourne Institute of Technology  
 (11) AU-A-2024266798  
 (21) 2024266798 (22) 22.11.2024  
 (54) POROUS GRAPHENE-BASED FILMS AND PROCESSES FOR PREPARING THE FILMS  
 (51) Int. Cl.  
     **C01B 32/192** ( 2017.01 )  
     **B01D 71/02** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022231662  
 (72) Lin, Han; Jia, Baohua  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) SAMUELSON, J.  
 (11) AU-A-2024227745  
 (21) 2024227745 (22) 17.05.2024  
 (54) NURSING COVER WITH INTEGRATED COOLING FAN  
 (51) Int. Cl.  
     **A41D 1/215** ( 2018.01 )  
     **F04D 25/06** ( 2006.01 )  
     **F04D 25/08** ( 2006.01 )  
 (87) WO2024/238985  
 (31) 18/198,455 (32) 17.05.23 (33) US  
 (43) 12.12.2024  
 (72) SAMUELSON, Jacqueline  
 (74) Griffith Hack

(71) Sanexen Services Environnementaux Inc.  
 (11) AU-A-2024266862  
 (21) 2024266862 (22) 25.11.2024  
 (54) SYSTEMS AND METHODS FOR REHABILITATION OF WATER CONDUITS AND OTHER CONDUITS  
 (51) Int. Cl.  
     **F16L 55/163** ( 2006.01 )  
     **E03F 9/00** ( 2006.01 )  
     **F03B 7/00** ( 2006.01 )  
     **F16L 55/26** ( 2006.01 )  
     **F16L 57/00** ( 2006.01 )  
     **F16L 58/10** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2018445726  
 (72) JADANI, Yassir; GAGNON, Gilles; BUREAU, Martin  
 (74) Adams Pluck

(71) Seattle Children's Hospital (DBA Seattle Children's Research Institute)  
 (11) AU-A-2024266824  
 (21) 2024266824 (22) 22.11.2024  
 (54) Expression of FOXP3 in edited CD34+ cells  
 (51) Int. Cl.  
     **C07K 14/47** ( 2006.01 )  
     **C12N 5/00** ( 2006.01 )  
     **C12N 9/22** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2019261438  
 (72) RAWLINGS, David J.; KHAN, Iram F.; HONAKER, Yuchi Chiang; SINGH, Swati; SOMMER, Karen; SCHARENBERG, Andrew M.  
 (74) Davies Collison Cave Pty Ltd

(71) Seattle Children's Hospital (DBA Seattle Children's Research Institute)  
 (11) AU-A-2024266825  
 (21) 2024266825 (22) 22.11.2024  
 (54) Expression of human FOXP3 in gene edited T cells  
 (51) Int. Cl.  
     **C07K 14/47** ( 2006.01 )  
     **C12N 5/00** ( 2006.01 )  
     **C12N 9/22** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2019257708  
 (72) SCHARENBERG, Andrew M.; RAWLINGS, David J.; SOMMER, Karen; HONAKER, Yuchi Chiang; KHAN, Iram F.; TORGERSON, Troy  
 (74) Davies Collison Cave Pty Ltd

Shanghai Ruipu Energy Co., Ltd. see REPT  
 BATTERO Energy Co., Ltd.  
 (21) 2024203505

(71) SMALL, W.K.  
 (11) AU-A-2024266871  
 (21) 2024266871 (22) 25.11.2024  
 (54) Boot Dip Mat  
 (51) Int. Cl.  
     **A47L 23/26** ( 2006.01 )  
     **A61L 2/18** ( 2006.01 )  
     **D04H 3/005** ( 2012.01 )  
 (43) 12.12.2024  
 (62) 2018286605  
 (72) SMALL, William Karl  
 (74) Wallington-Dummer

(71) SNA EUROPE INDUSTRIES IBERIA, S.A.  
 (11) AU-A-2024203161  
 (21) 2024203161 (22) 13.05.2024  
 (54) Automatic locking hinge mechanism  
 (51) Int. Cl.  
     **B65D 43/16** ( 2006.01 )  
     **B65D 43/26** ( 2006.01 )  
     **E05D 3/02** ( 2006.01 )  
     **E05D 5/08** ( 2006.01 )  
     **E05D 11/10** ( 2006.01 )  
 (31) ES U 202330891 (32) 24.05.23 (33) ES  
 (43) 12.12.2024  
 (72) Landa Fernandez de Labastida, HODEI; Deluca-Verley, THIBAUT  
 (74) protectmyidea.com.au

(71) Société des Produits Nestlé S.A.  
 (11) AU-A-2024266804  
 (21) 2024266804 (22) 22.11.2024  
 (54) Composition suitable for protecting microorganisms  
 (51) Int. Cl.  
     **C12N 1/04** ( 2006.01 )  
     **C12N 1/20** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022235541  
 (72) ANANTA, Edwin; BOGICEVIC, Biljana; CRAMER, Carsten; DUBOIS, Alexandra; GAULOCHE, Judith; JOHNSON, Katja; MULLER, Jeroen Andre; PERREN, Matthias; PRIOULT,

Guenolee Eliane Marie; SRES, Sabine; SYBESMA, Wilbert  
 (74) Spruson & Ferguson

(71) Société des Produits Nestlé S.A.  
 (11) AU-A-2024266847  
 (21) 2024266847 (22) 25.11.2024  
 (54) Compositions and methods using oleuropein or curcumin for muscle quality and/or muscle mass  
 (51) Int. Cl.  
     **A23L 33/105** ( 2016.01 )  
     **A61K 36/63** ( 2006.01 )  
     **A61K 36/9066** ( 2006.01 )  
     **A61P 21/06** ( 2006.01 )  
     **A61P 39/06** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2018373653  
 (72) BOUTRY, Claire; BREUILLE, Denis; HORCAJADA, Marie Noelle  
 (74) Spruson & Ferguson

(71) Spray Nozzle Engineering Pty Ltd  
 (11) AU-A-2024266738  
 (21) 2024266738 (22) 20.11.2024  
 (54) Wear Parts  
 (51) Int. Cl.  
     **B05B 1/34** ( 2006.01 )  
     **A23C 1/04** ( 2006.01 )  
     **B01D 1/20** ( 2006.01 )  
     **B05B 1/30** ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022204677  
 (72) Morgan, Sean; Morgan, Stuart  
 (74) Chrysilou IP

(71) Sterlite Technologies Limited  
 (11) AU-A-2024203075  
 (21) 2024203075 (22) 09.05.2024  
 (54) OPTICAL FIBER CABLE WITH BUNDLES OF OPTICAL FIBERS  
 (51) Int. Cl.  
     **G02B 6/44** ( 2006.01 )  
 (31) 202311036160 (32) 25.05.23 (33) IN  
 (43) 12.12.2024  
 (72) THAKUR, NEHA  
 (74) LAMINAR IP PTY LTD

(71) Sterlite Technologies Limited  
 (11) AU-A-2024203076  
 (21) 2024203076 (22) 09.05.2024  
 (54) OPTICAL FIBER CABLE WITH PLURALITY OF SLOTS  
 (51) Int. Cl.  
     **G02B 6/44** ( 2006.01 )  
 (31) 202311036159 (32) 25.05.23 (33) IN  
 (43) 12.12.2024  
 (72) SINGH, SOURABH; SACHAN, SHUBHAM  
 (74) LAMINAR IP PTY LTD

(71) Strong Force TX Portfolio 2018, LLC  
 (11) AU-A-2024266762  
 (21) 2024266762 (22) 21.11.2024  
 (54) BLOCKCHAIN TRANSACTION SAFETY



Applications Open to Public Inspection - Name Index cont'd

(51) Int. Cl.  
**G06Q 20/40** ( 2012.01 )  
**(43)** 12.12.2024  
**(62)** 2019230035  
**(72)** KUCHAR, David Charles; GARLAND, Malcolm  
**(74)** ET Intellectual Property

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**(71)** Syngenta Crop Protection AG  
**(11)** AU-A-2024266768  
**(21)** 2024266768 **(22)** 21.11.2024  
**(54)** METHODS OF PRODUCING SUGAR CANE TRANSPLANT UNITS  
**(51)** Int. Cl.  
**A01B 79/02** ( 2006.01 )  
**A01C 14/00** ( 2006.01 )  
**A01H 4/00** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022235530  
**(72)** Vidal, Luiz Hernando; Batista, Luis Eduardo; Silva, Adilson Donizeti Correa Da  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Syngenta Crop Protection AG  
**(11)** AU-A-2024266822  
**(21)** 2024266822 **(22)** 22.11.2024  
**(54)** STABILIZED CHEMICAL COMPOSITION  
**(51)** Int. Cl.  
**A01N 25/00** ( 2006.01 )  
**A01N 25/02** ( 2006.01 )  
**A01N 25/04** ( 2006.01 )  
**A01N 25/16** ( 2006.01 )  
**A01N 25/26** ( 2006.01 )  
**A01N 25/28** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2019265895  
**(72)** FOWLER, Jeffery David; KIM, Sejong; LEBEDEVA, Natalia; NARSALE, Jelena  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Takeda Pharmaceutical Company Limited  
**(11)** AU-A-2024266697  
**(21)** 2024266697 **(22)** 19.11.2024  
**(54)** Diagnosis and treatment of autoimmune diseases  
**(51)** Int. Cl.  
**G01N 33/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2022204649  
**(72)** SEXTON, Daniel J.; ADELMAN, Burt; NIXON, Andrew  
**(74)** Spruson & Ferguson

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**(71)** Technetix B.V.  
**(11)** AU-A-2024202610  
**(21)** 2024202610 **(22)** 22.04.2024  
**(54)** Cable network power unit for surge protector release  
**(51)** Int. Cl.  
**H02M 7/30** ( 2006.01 )  
**H05B 45/37** ( 2020.01 )  
**(31)** 2307675.5 **(32)** 23.05.23 **(33)** GB

**(43)** 12.12.2024  
**(72)** ARIESEN, Jan; ROYO MOROS, Diego  
**(74)** Spruson & Ferguson

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**(71)** Techtronic Cordless GP  
**(11)** AU-A-2024203356  
**(21)** 2024203356 **(22)** 21.05.2024  
**(54)** Surface cleaner  
**(51)** Int. Cl.  
**A47L 13/10** ( 2006.01 )  
**F24H 1/06** ( 2022.01 )  
**F24H 9/20** ( 2022.01 )  
**(31)** 63/504014 **(32)** 24.05.23 **(33)** US  
**(43)** 12.12.2024  
**(72)** SECUNDO, Rafael; BODE, Donovan; FERRIGNO, Anthony; LEWCHUK, Johnathon  
**(74)** James & Wells Intellectual Property

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**(71)** Techtronic Cordless GP  
**(11)** AU-A-2024203418  
**(21)** 2024203418 **(22)** 22.05.2024  
**(54)** Battery pack and temperature sensing device thereof  
**(51)** Int. Cl.  
**H01M 10/48** ( 2006.01 )  
**G01R 31/36** ( 2020.01 )  
**(31)** 202321239703.0 **(32)** 22.05.23 **(33)** CN  
**(43)** 12.12.2024  
**(72)** WANG, Ren Jie; LIU, Ya Bin; WANG, Liang He; MA, Hai Bo  
**(74)** Spruson & Ferguson

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**(71)** Terex GB Limited  
**(11)** AU-A-2024203345  
**(21)** 2024203345 **(22)** 20.05.2024  
**(54)** MAINTENANCE PLATFORM FOR CONE CRUSHERS  
**(51)** Int. Cl.  
**B02C 23/04** ( 2006.01 )  
**B02C 13/31** ( 2006.01 )  
**(31)** 2307659.9 **(32)** 22.05.23 **(33)** GB  
**(43)** 12.12.2024  
**(72)** Sloan, Stephen; Robinson, Karl  
**(74)** Madderns Pty Ltd

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**(71)** Texas Tech University of Research Commercialization; Metabolic Technologies, Inc.  
**(11)** AU-A-2024266880  
**(21)** 2024266880 **(22)** 26.11.2024  
**(54)** Compositions and methods of use of  $\beta$ -hydroxy- $\beta$ -methylbutyrate (HMB) associated with intermittent fasting  
**(51)** Int. Cl.  
**A61K 31/19** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2019205288  
**(72)** TINSLEY, Grant; RATHMACHER, John; PITCHFORD, Lisa  
**(74)** Spruson & Ferguson

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**(71)** The NOCO Company  
**(11)** AU-A-2024266725  
**(21)** 2024266725 **(22)** 20.11.2024

**(54)** Rechargeable battery jump starting device and rechargeable battery assembly  
**(51)** Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**F02N 11/12** ( 2006.01 )  
**H02J 7/02** ( 2016.01 )  
**H02J 7/32** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2023206145  
**(72)** NOOK, Jonathan Lewis; NOOK, William Knight; STANFIELD, James Richard; UNDERHILL, Derek Michael  
**(74)** Griffith Hack

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**(71)** The NOCO Company  
**(11)** AU-A-2024266758  
**(21)** 2024266758 **(22)** 21.11.2024  
**(54)** Battery connector device for a battery jump starting device  
**(51)** Int. Cl.  
**F02N 11/12** ( 2006.01 )  
**F02N 11/14** ( 2006.01 )  
**F02N 19/00** ( 2010.01 )  
**H02J 7/00** ( 2006.01 )  
**H02J 7/32** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2023200778  
**(72)** Nook, Jonathan Lewis; Nook, William Knight; Stanfield, James Richard; Underhill, Derek Michael  
**(74)** Griffith Hack

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**(71)** The NOCO Company  
**(11)** AU-A-2024266904  
**(21)** 2024266904 **(22)** 26.11.2024  
**(54)** Portable vehicle battery jump start apparatus with safety protection  
**(51)** Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**(43)** 12.12.2024  
**(62)** 2023251550  
**(72)** Nook, Jonathan Lewis; Nook, William Knight; Stanfield, James Richard; Underhill, Derek Michael  
**(74)** Griffith Hack

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**(71)** The Rockefeller University  
**(11)** AU-A-2024259851  
**(21)** 2024259851 **(22)** 08.11.2024  
**(54)** Methods for cell-type specific profiling to identify drug targets  
**(51)** Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**(43)** 12.12.2024  
**(62)** 2018219308  
**(72)** Heintz, Nathaniel; Xu, Xiao  
**(74)** Spruson & Ferguson

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**(71)** THE TEXAS A & M UNIVERSITY SYSTEM  
**(11)** AU-A-2024266726  
**(21)** 2024266726 **(22)** 20.11.2024  
**(54)** EFFICIENT CIRCUIT IN PULSED ELECTRICAL DISCHARGE PROCESSING

Applications Open to Public Inspection - Name Index cont'd

- (51) Int. Cl.  
**F02C 7/26** ( 2006.01 )  
**C10G 7/00** ( 2006.01 )  
**C10G 7/02** ( 2006.01 )  
**C10G 15/08** ( 2006.01 )  
**C10G 32/02** ( 2006.01 )  
**F02C 7/264** ( 2006.01 )  
**F02C 7/266** ( 2006.01 )  
**F02P 23/04** ( 2006.01 )  
**F23Q 5/00** ( 2006.01 )
- (43) 12.12.2024  
(62) 2019256718  
(72) STAACK, David; CAMPBELL, Christopher; BURNETTE, Matthew; GAWLOSKI, Nicholas  
(74) AJ PARK
- 
- (71) The Trustees of the University of Pennsylvania; Thomas Jefferson University  
(11) AU-A-2024264596  
(21) 2024264596 (22) 13.11.2024  
(54) Implantable living electrodes and methods for use thereof  
(51) Int. Cl.  
**A61N 1/05** ( 2006.01 )
- (43) 12.12.2024  
(62) 2022215231  
(72) Cullen, Daniel Kacy; Harris, James P.; Wolf, John A.; Chen, H. Isaac; Smith, Douglas H.; Serruya, Mijail  
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) The United States of America, as represented by The Secretary, Department of Health and Human Services  
(11) AU-A-2024266702  
(21) 2024266702 (22) 19.11.2024  
(54) Anti-human papillomavirus 16 E7 T cell receptors  
(51) Int. Cl.  
**C07K 14/725** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )
- (43) 12.12.2024  
(62) 2023200608  
(72) HINRICHS, Christian S.; ROSENBERG, Steven A.  
(74) Spruson & Ferguson
- 
- (71) The University of Southern California  
(11) AU-A-2024259814  
(21) 2024259814 (22) 08.11.2024  
(54) Compositions and methods for treatment of fungal infections  
(51) Int. Cl.  
**C07K 7/64** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 31/10** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )
- (43) 12.12.2024  
(62) 2021294340  
(72) SELSTED, Michael E.; TRAN, Dat Q.; SCHAAL, Justin B.; BASSO, Virginia  
(74) Davies Collison Cave Pty Ltd
- 
- Thomas Jefferson University see The Trustees of the University of Pennsylvania  
(21) 2024264596
- 
- (71) THOMSON REUTERS ENTERPRISE CENTRE GMBH  
(11) AU-A-2024266877  
(21) 2024266877 (22) 25.11.2024  
(54) SYSTEMS AND METHODS FOR REL-EVANCE-BASED DOCUMENT ANALYSIS AND FILTERING  
(51) Int. Cl.  
**G06F 40/263** ( 2020.01 )  
**G06F 40/279** ( 2020.01 )  
**G06F 40/284** ( 2020.01 )  
**G06F 40/295** ( 2020.01 )
- (43) 12.12.2024  
(62) 2021388096  
(72) ESCALONA, Rogelio; XIAO, Xiao; HARRIS, Nathan; RAMACHANDRAN, Mahesh; CIFARELLI, Paul; LONGO, Chad; KENT, Katherine; SHAPIRO, Yelena Altman; MCCURDY, Laura; PETROSIE, Andrew; LAWRENCE, Matthew; SANTORU, Joseph; RHODES, Bob; KENNEDY, John; TORENE, Spencer  
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Tonix Pharma Holdings Limited  
(11) AU-A-2024266870  
(21) 2024266870 (22) 25.11.2024  
(54) Cyclobenzaprine treatment for agitation, psychosis and cognitive decline in dementia and neurodegenerative conditions  
(51) Int. Cl.  
**A61P 25/28** ( 2006.01 )  
**A61K 31/137** ( 2006.01 )
- (43) 12.12.2024  
(62) 2018383098  
(72) HARRIS, Herbert W.; LEDERMAN, Seth  
(74) Spruson & Ferguson
- 
- (71) Transportation IP Holdings, LLC  
(11) AU-A-2024266780  
(21) 2024266780 (22) 21.11.2024  
(54) VEHICLE BRAKING CONTROL SYSTEM  
(51) Int. Cl.  
**B60T 8/171** ( 2006.01 )  
**B61L 15/00** ( 2006.01 )
- (43) 12.12.2024  
(62) 2022204189  
(72) Price, Matthew; Chandrasekaran, Shankar; Murugesan, Rajasekaran  
(74) K&L Gates
- 
- (71) Transportation IP Holdings, LLC  
(11) AU-A-2024266861  
(21) 2024266861 (22) 25.11.2024  
(54) VEHICLE MONITORING ASSEMBLY  
(51) Int. Cl.  
**B60L 1/00** ( 2006.01 )  
**B60L 58/10** ( 2019.01 )
- 
- B60Q 1/26** ( 2006.01 )  
**B60Q 11/00** ( 2006.01 )  
**B61L 15/00** ( 2006.01 )
- (43) 12.12.2024  
(62) 2022202431  
(72) Haas, Carl L.; Rice, Danial; Swar, Padam D.  
(74) K&L Gates
- 
- (71) TRINA SOLAR CO., LTD.  
(11) AU-A-2024266911  
(21) 2024266911 (22) 26.11.2024  
(54) Heterojunction cell and manufacturing method thereof, photovoltaic module and photovoltaic system  
(51) Int. Cl.  
**H01L 31/0352** ( 2006.01 )  
**H01L 31/02** ( 2006.01 )  
**H01L 31/0216** ( 2014.01 )  
**H01L 31/0747** ( 2012.01 )  
**H01L 31/20** ( 2006.01 )
- (43) 12.12.2024  
(62) 2024202906  
(72) YANG, Guangtao; CHEN, Daming; CHEN, Yifeng; LI, Hongwei  
(74) Griffith Hack
- 
- (71) Tropic Biosciences UK Limited  
(11) AU-A-2024266716  
(21) 2024266716 (22) 20.11.2024  
(54) Compositions and methods for increasing shelf-life of banana  
(51) Int. Cl.  
**C12N 15/82** ( 2006.01 )
- (43) 12.12.2024  
(62) 2018275356  
(72) MAORI, Eyal; GALANTY, Yaron; PIGNOCCHI, Cristina; CHAPARRO GARCIA, Angela; MEIR, Ofir  
(74) Spruson & Ferguson
- 
- (71) TUCKER, S.; WATHIER, M.; Jumpstart Fertility Pty Ltd; MARCUCCIO, S.M.; Life Biosciences Inc.; DOLLE, R.; JOYCE, R.D.  
(11) AU-A-2024266873  
(21) 2024266873 (22) 25.11.2024  
(54) INORGANIC SALTS OF NICOTINAMIDE MONONUCLEOTIDE AS ANTI-AGING AGENTS, ESPECIALLY FOR INFERTILITY TREATMENT  
(51) Int. Cl.  
**C07F 9/6558** ( 2006.01 )  
**A61K 31/661** ( 2006.01 )  
**A61P 15/08** ( 2006.01 )
- (43) 12.12.2024  
(62) 2019268352  
(72) MARCUCCIO, Sebastian Mario; JOYCE, Rohan David; WATHIER, Michel; DOLLE, Roland; TUCKER, Simon  
(74) RNB IP PTY LTD
- 
- (71) Underground Extraction Technologies Pty Ltd  
(11) AU-A-2024266775  
(21) 2024266775 (22) 21.11.2024

Applications Open to Public Inspection - Name Index cont'd

(54) A mining system  
 (51) Int. Cl.  
*E21C 41/16* ( 2006.01 )  
*B65G 15/24* ( 2006.01 )  
*E21F 13/02* ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2019336269  
 (72) MAPP, Michael; MACDONALD, Brian  
 (74) Spruson & Ferguson

(71) Vella, J.  
 (11) AU-A-2024203092  
 (21) 2024203092 (22) 09.05.2024  
 (54) A vehicle oil sump seal  
 (51) Int. Cl.  
*F01M 11/04* ( 2006.01 )  
*F01M 11/00* ( 2006.01 )  
 (31) 2023901619 (32) 23.05.23 (33) AU  
 (43) 12.12.2024  
 (72) VELLA, Joseph  
 (74) Spruson & Ferguson

(71) VEROBOTICS LTD.  
 (11) AU-A-2024266850  
 (21) 2024266850 (22) 25.11.2024  
 (54) DEVICES FOR MOVING ON VERTICAL SURFACES, TOOLS FOR CLEANING VERTICAL SURFACES AND SYSTEMS FOR CLEANING VERTICAL SURFACES  
 (51) Int. Cl.  
*A47L 11/38* ( 2006.01 )  
*A47L 1/02* ( 2006.01 )  
*B08B 3/02* ( 2006.01 )  
*E04G 23/00* ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2022330414  
 (72) LEVYTAN, Itay; GENOSAR, Ido  
 (74) Collison & Co

(71) Viessmann Refrigeration Solutions GmbH  
 (11) AU-A-2024203401  
 (21) 2024203401 (22) 22.05.2024  
 (54) Clamping device, clamping system and tensioning system for forming modular units  
 (51) Int. Cl.  
*F16B 5/06* ( 2006.01 )  
*E04B 1/61* ( 2006.01 )  
*F16B 2/18* ( 2006.01 )  
 (31) DE 10 2023 113 (32) 23.05.23 (33) DE 505.8  
 (43) 12.12.2024  
 (72) Baumann, Jörg; Chemnitz, Carsten; Militzer-Keil, Marian  
 (74) Davies Collison Cave Pty Ltd

VVK Engineering (Pty) Ltd see M and J Mining (Pty) Ltd  
 (21) 2024266823

(71) Warwick Gates Pty Ltd  
 (11) AU-A-2024266785  
 (21) 2024266785 (22) 21.11.2024  
 (54) Fence Tensioning

(51) Int. Cl.  
*E04H 17/26* ( 2006.01 )  
*B25B 25/00* ( 2006.01 )  
*E04H 17/02* ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2019275515  
 (72) Earl, Jonathan  
 (74) Armour IP

WATHIER, M. see TUCKER, S.  
 (21) 2024266873

(71) WINBO-DONGJIAN AUTOMOTIVE TECHNOLOGY CO.,LTD.  
 (11) AU-A-2024259737  
 (21) 2024259737 (22) 27.06.2024  
 (54) PEDAL SYSTEM, MOTOR DEVICE, AND CONTROL METHOD FOR PEDAL  
 (51) Int. Cl.  
*B60R 3/02* ( 2006.01 )  
 (31) 202310604680.7 (32) 25.05.23 (33) CN 202310852876.8 11.07.23 CN  
 (43) 12.12.2024  
 (72) LAI, Peiquan; YANG, Jie; CHEN, Yongbo; YANG, Zhuen; RONG, Jianzhuang; HE, Weiting; LIN, Guowei; CHEN, Nengtian  
 (74) A.P.T. Patent and Trade Mark Attorneys

(71) WONDERLAND SWITZERLAND AG  
 (11) AU-A-2024266721  
 (21) 2024266721 (22) 20.11.2024  
 (54) WHEEL SET BRAKE MECHANISM AND BABY TRANSPORT  
 (51) Int. Cl.  
*B62B 5/04* ( 2006.01 )  
*B62B 9/08* ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2021366326  
 (72) ZHU, Wanquan; GUO, Zhengwen  
 (74) James & Wells Intellectual Property

(71) XGS ENERGY, INC.  
 (11) AU-A-2024266750  
 (21) 2024266750 (22) 21.11.2024  
 (54) SYSTEMS AND METHODS FOR THERMAL REACH ENHANCEMENT  
 (51) Int. Cl.  
*E21B 33/138* ( 2006.01 )  
*E21B 43/12* ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2023215438  
 (72) MONCARZ, Piotr; SURYANARAYANA, Poodipeddi; CAPUANO JR., Louis; BOIS, Axel-Pierre; BOUR, Daniel  
 (74) RnB IP

Xiang, J. see XWPharma Ltd.  
 (21) 2024266730

(71) XWPharma Ltd.; Xiang, J.  
 (11) AU-A-2024266730  
 (21) 2024266730 (22) 20.11.2024

(54) Methods of synthesizing 4-valyloxybutyric acid  
 (51) Int. Cl.  
*C07C 53/18* ( 2006.01 )  
*C07C 55/07* ( 2006.01 )  
*C07C 227/16* ( 2006.01 )  
*C07C 229/08* ( 2006.01 )  
*C07C 269/06* ( 2006.01 )  
*C07C 271/22* ( 2006.01 )  
*C07C 309/29* ( 2006.01 )  
 (43) 12.12.2024  
 (62) 2023204703  
 (72) XIANG, Jia-Ning; SHIH, Hao-Wei; WU, Xiaoming; ZHANG, Xuan  
 (74) Minter Ellison

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 (21) 2023206112

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 (21) 2023219797

(71) ZHEJIANG JINKO SOLAR CO., LTD.; JINKO SOLAR CO., LTD.  
 (11) AU-A-2023263485  
 (21) 2023263485 (22) 08.11.2023  
 (54) SOLAR CELL, PHOTOVOLTAIC MODULE, AND METHOD FOR MANUFACTURING A SILICON SUBSTRATE  
 (51) Int. Cl.  
*H01L 31/0336* ( 2006.01 )  
*H01L 31/02* ( 2006.01 )  
 (31) 202310588789.6 (32) 23.05.23 (33) CN 202310588708.2 23.05.23 CN  
 (43) 12.12.2024  
 (72) Wusong TAO; Tingting LI; Tao XU  
 (74) BOSH IP Pty Ltd

(71) ZHENGZHOU NON-FERROUS METALS RESEARCH INSTITUTE CO.LTD OF CHALCO  
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 (21) 2024220207 (22) 05.03.2024  
 (54) METHOD FOR RECOVERING LITHIUM FROM ALUMINUM ELECTROLYSIS WASTE CATHODE  
 (51) Int. Cl.  
*C22B 26/12* ( 2006.01 )  
*C01D 15/08* ( 2006.01 )  
*C22B 3/22* ( 2006.01 )  
*H01M 10/54* ( 2006.01 )  
 (31) 202310614036.8 (32) 25.05.23 (33) CN  
 (43) 12.12.2024  
 (72) CHEN, Kaibin; SHI, Zhirong; DU, Tingting; LIU, Jianjun; LI, Ruonan; LUO, Zhongsheng; SUN, Lizhen; WU, Jianwei; JING, Qunhai  
 (74) Remarkable IP

(71) Zimmer, Inc.  
 (11) AU-A-2024266826  
 (21) 2024266826 (22) 22.11.2024  
 (54) LINEAR ELECTRIC SURGICAL HAMMER IMPACT TOOL

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- (51) Int. Cl.
  - A61B 17/92** ( 2006.01 )
  - A61B 5/00 ( 2006.01 )
  - A61F 2/46 ( 2006.01 )
- (43) 12.12.2024
- (62) 2022211325
- (72) Slocum, Alexander; Goyal, Nitin
- (74) PHILLIPS ORMONDE FITZPATRICK

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**Innovation Patents Open to Public Inspection**

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 (51) Int. Cl.  
     **G06Q 10/04** ( 2023.01 )  
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 (51) Int. Cl.  
     **B65D 65/38** ( 2006.01 )  
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 (11) AU-A-2024100039  
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 (51) Int. Cl.  
     **H04L 51/02** ( 2022.01 )  
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     **G06F 40/20** ( 2020.01 )  
     **G06F 40/30** ( 2020.01 )  
     **G06N 3/006** ( 2023.01 )  
     **G06N 5/04** ( 2023.01 )  
     **H04L 12/18** ( 2006.01 )  
     **H04L 51/046** ( 2022.01 )  
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**No IPC Mark**

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<p>(71) "BARLINEK" SPÓŁKA AKCYJNA (11) AU-A-2024257656 (21) 2024257656 (22) 10.04.2024 (54) A JOINT OF FLOOR PANELS (51) Int. Cl. E04F 15/02 ( 2006.01 ) E04F 15/04 ( 2006.01 ) E04F 15/10 ( 2006.01 ) (87) WO2024/218613 (31) PL444501 (32) 20.04.23 (33) PL (43) 24.10.2024 (72) GUTKOWSKI, Paweł; KONSTAŃCZAK, Marek; ŁASAK, Grzegorz (74) Madderns Pty Ltd</p>	<p>(43) 09.11.2023 (72) MARATHI, Upendra K. (74) FB Rice Pty Ltd</p>	<p>(71) ABBVIE BIOTHERAPEUTICS INC. (11) AU-A-2023293129 (21) 2023293129 (22) 15.06.2023 (54) ANTI-CD19 ANTIBODY DRUG CONJUGATES (51) Int. Cl. A61K 47/68 ( 2017.01 ) A61P 35/00 ( 2006.01 ) A61P 35/02 ( 2006.01 ) C07K 16/28 ( 2006.01 ) C07J 71/00 ( 2006.01 ) (87) WO2023/245106 (31) 63/366,520 (32) 16.06.22 (33) US 63/488,302 03.03.23 US (43) 21.12.2023 (72) CHANG, Chewei A.; EMBERLEY, Ethan D.; HOBSON, Adrian D.; MARVIN, Christopher C.; PURCELL, James W. (74) Spruson &amp; Ferguson</p>
<p>(71) 3-D MATRIX, LTD. (11) AU-A-2023269163 (21) 2023269163 (22) 13.05.2023 (54) METHODS FOR TREATING AND/OR PREVENTING UNDESIRABLE SEQUELAE OF NASAL TURBINOPLASTY OR FUNCTIONAL ENDOSCOPIC SINUS SURGERY (51) Int. Cl. A61K 38/10 ( 2006.01 ) C07K 7/08 ( 2006.01 ) A61K 38/00 ( 2006.01 ) A61K 47/42 ( 2017.01 ) A61P 17/02 ( 2006.01 ) (87) WO2023/220748 (31) 63/341,447 (32) 13.05.22 (33) US (43) 16.11.2023 (72) SPIRIO, Lisa; LEE, Michael, Fook-Ho; HA, Jennifer Fong; BAGOT D'ARC, Maurice (74) Spruson &amp; Ferguson</p>	<p>(71) AAK AB (PUBL) (11) AU-A-2023278734 (21) 2023278734 (22) 31.05.2023 (54) BLOOM-RETARDING ADDITIVE (51) Int. Cl. A23G 1/36 ( 2006.01 ) A23D 9/02 ( 2006.01 ) A23L 5/20 ( 2016.01 ) C11C 3/08 ( 2006.01 ) (87) WO2023/234836 (31) 2230172-5 (32) 31.05.22 (33) SE (43) 07.12.2023 (72) JUUL, Bjarne; HJORTH, Jeppe Lindgaard (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD</p>	<p>(71) ABELS, N. (11) AU-A-2023293931 (21) 2023293931 (22) 14.06.2023 (54) ORTHODONTIC APPARATUS (51) Int. Cl. A61C 7/36 ( 2006.01 ) A61C 7/22 ( 2006.01 ) (87) WO2023/242234 (31) 2208775.3 (32) 15.06.22 (33) GB (43) 21.12.2023 (72) ABELS, Norbert (74) PHILLIPS ORMONDE FITZPATRICK</p>
<p>(71) 7 HILLS PHARMA INC. (11) AU-A-2023265832 (21) 2023265832 (22) 02.05.2023 (54) NOVEL LIPID-BASED SMALL MOLECULE INTEGRIN RECEPTOR-LIGAND AGONIST ADJUVANTS CARRIER COMPOSITIONS, INTEGRIN AGONIST ADJUVANT PHARMACEUTICAL COMPOSITIONS THEREFROM, AND METHODS FOR MAKING AND USING SAME (51) Int. Cl. A61K 9/48 ( 2006.01 ) A61K 9/00 ( 2006.01 ) A61K 31/381 ( 2006.01 ) A61K 39/00 ( 2006.01 ) A61K 39/39 ( 2006.01 ) A61K 47/12 ( 2006.01 ) A61K 47/14 ( 2017.01 ) A61K 47/24 ( 2006.01 ) (87) WO2023/215314 (31) 63/348,852 (32) 03.05.22 (33) US 63/337,960 03.06.22 US</p>	<p>(71) AARDVARK THERAPEUTICS INC. (11) AU-A-2023263402 (21) 2023263402 (22) 27.04.2023 (54) IMPROVED ABUSE-DETERRENT PHARMACEUTICAL COMPOSITION WITH AVERSION PROPERTIES (51) Int. Cl. A61K 31/13 ( 2006.01 ) A61K 31/135 ( 2006.01 ) A61K 31/137 ( 2006.01 ) A61K 31/395 ( 2006.01 ) A61K 31/33 ( 2006.01 ) (87) WO2023/212247 (31) 63/335,701 (32) 27.04.22 (33) US (43) 02.11.2023 (72) LEE, Jane, Wu; LEE, Tien-Li (74) FB Rice Pty Ltd</p>	<p>(71) ABIOMED, INC. (11) AU-A-2023275464 (21) 2023275464 (22) 24.05.2023 (54) EXPANDABLE CATHETER SHEATH WITH FOLD (51) Int. Cl. A61M 25/00 ( 2006.01 ) A61M 60/13 ( 2021.01 ) (87) WO2023/230134 (31) 63/346,226 (32) 26.05.22 (33) US (43) 30.11.2023 (72) FANTUZZI, Glen, R.; FISHMAN, Robert; BARRY, Jonathan; MCLOUGHLIN, Anne, Gabrielle (74) Davies Collison Cave Pty Ltd</p>
<p>(71) ABB SCHWEIZ AG (11) AU-A-2023293669 (21) 2023293669 (22) 13.06.2023 (54) A METHOD FOR RECOMMENDING AN OPERATIONAL COMMAND FOR AN INDUSTRIAL PLANT (51) Int. Cl. G05B 19/418 ( 2006.01 ) G05B 19/042 ( 2006.01 ) (87) WO2023/242163 (31) 22179086.8 (32) 15.06.22 (33) EP (43) 21.12.2023 (72) SCHMIDT, Benedikt; KLOEPPER, Benjamin; BORRISON, Reuben; KOTRIWALA, Arzam Muzaffar; RODRIGUEZ, Pablo; SHARMA, Divyasheel; DIX, Marcel; GAERTLER, Marco; K R, Chandrika; TAN, Ruomu; DÖPPELHAMER, Jens; ABUKWAIK, Hadil (74) Griffith Hack</p>	<p>(71) ABBVIE BIOTHERAPEUTICS INC. (11) AU-A-2023283326 (21) 2023283326 (22) 05.06.2023 (54) SYSTEMS FOR SELECTIVE OCCLUSION OF THE PERIPHERAL VENOUS VASCULATURE TO UNLOAD THE HEART (51) Int. Cl. A61B 17/12 ( 2006.01 ) A61M 60/122 ( 2021.01 ) A61B 5/021 ( 2006.01 ) (87) WO2023/239646</p>	<p>(71) ABIOMED, INC. (11) AU-A-2023283326 (21) 2023283326 (22) 05.06.2023 (54) SYSTEMS FOR SELECTIVE OCCLUSION OF THE PERIPHERAL VENOUS VASCULATURE TO UNLOAD THE HEART (51) Int. Cl. A61B 17/12 ( 2006.01 ) A61M 60/122 ( 2021.01 ) A61B 5/021 ( 2006.01 ) (87) WO2023/239646</p>

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(72) KORKUCH, Christopher  
(74) HENRY HUGHES IP LTD
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(51) Int. Cl.  
A01N 65/03 ( 2009.01 )  
A01N 37/44 ( 2006.01 )  
A01P 21/00 ( 2006.01 )
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(72) VAN DER ZWAN, Timo; FOWLER, Rachel; HAINES, Robbie; SHIELL, Kevin; PRESCOTT, Frank  
(74) PHILLIPS ORMONDE FITZPATRICK
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(51) Int. Cl.  
A63B 21/075 ( 2006.01 )  
A63B 21/06 ( 2006.01 )  
A63B 21/072 ( 2006.01 )  
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(51) Int. Cl.  
C07D 471/04 ( 2006.01 )  
A61K 31/519 ( 2006.01 )  
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A01G 24/35 ( 2018.01 )  
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(51) Int. Cl.  
C25B 13/02 ( 2006.01 )  
C25B 1/04 ( 2021.01 )  
C25B 13/05 ( 2021.01 )  
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- (87) WO2023/208776  
(31) 22169862.4 (32) 25.04.22 (33) EP  
(43) 02.11.2023  
(72) VERLINDEN, Bart; BRAMS, Luc; VERWAEST, Hanne; MUES, Willem  
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(11) AU-A-2023283044  
(21) 2023283044 (22) 09.06.2023  
(54) SOIL SAMPLE PROCESSING METHODS AND TOOLS  
(51) Int. Cl.  
G01N 33/24 ( 2006.01 )  
G01N 1/38 ( 2006.01 )  
G01N 1/40 ( 2006.01 )
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A61K 39/395 ( 2006.01 )  
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A61P 29/00 ( 2006.01 )  
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(72) XIA, Yu; WANG, Zhongmin; LI, Baiyong  
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(54) PHARMACEUTICAL COMPOSITION AND USE THEREOF  
(51) Int. Cl.  
C07K 16/46 ( 2006.01 )  
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(54) PROCESS FOR PRODUCING LITHIUM HYDROXIDE MONOHYDRATE	(72) GEVAERT, Paul; CAPPELLE, Steven; BOOGAERTS, Luc; VAN VAERENBERGH, Carmen	(54) SWING-TYPE WING PLATE STRUCTURE PROVIDING HULL WITH BUOYANCY, AND HULL HAVING WING PLATE STRUCTURE		
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C01D 1/28 ( 2006.01 )		B63B 39/06 ( 2006.01 )		
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(54) BARRIER SLEEVE USABLE WITH MEDICAL GOWN AND METHODS OF USE THEREOF	(54) METHODS FOR TREATING POMPE DISEASE			
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 (54) METHODS OF TREATING SLEEP APNEA WITH A COMBINATION OF A CANNABINOID AND A CARBONIC ANHYDRASE INHIBITOR  
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 C21B 13/00 ( 2006.01 )  
 C21B 13/14 ( 2006.01 )  
 C21C 5/46 ( 2006.01 )  
 C21C 7/00 ( 2006.01 )  
 C21C 7/064 ( 2006.01 )  
 F27B 3/10 ( 2006.01 )  
 F27B 3/18 ( 2006.01 )  
 F27B 3/19 ( 2006.01 )  
 F27D 3/14 ( 2006.01 )  
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*G06V 10/12* ( 2022.01 )  
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*B29C 64/112* ( 2017.01 )  
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*D01D 5/08* ( 2006.01 )  
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 (31) 63/342,552 (32) 16.05.22 (33) US  
 (43) 23.11.2023  
 (72) GALLANT-BEHM, Corrie; HASSLER, Matthew; CURTIS, Daniel; GODINHO, Bruno Miguel Da Cruz  
 (74) Griffith Hack
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- (71) ATLAS COPCO (WUXI) COMPRESSOR CO., LTD  
 (11) AU-A-2023275720  
 (21) 2023275720 (22) 11.05.2023  
 (54) BLOWER  
 (51) Int. Cl.  
*F04C 23/02* ( 2006.01 )  
*F04C 29/00* ( 2006.01 )  
*F04C 29/04* ( 2006.01 )  
*F04C 29/06* ( 2006.01 )  
 (87) WO2023/226777  
 (31) 202221252128.3 (32) 23.05.22 (33) CN  
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 (43) 30.11.2023  
 (72) SONG, Jingjing; YUAN, Wanrong  
 (74) Davies Collison Cave Pty Ltd
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- (71) ATOSSA THERAPEUTICS, INC.  
 (11) AU-A-2023316477  
 (21) 2023316477 (22) 27.07.2023  
 (54) HEPARIN COMPOSITIONS FOR TREATMENT OF LUNG DAMAGE AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
*A61K 31/727* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 31/198* ( 2006.01 )  
*A61P 11/00* ( 2006.01 )  
*A61P 39/00* ( 2006.01 )  
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 (31) 63/369,741 (32) 28.07.22 (33) US  
 (43) 01.02.2024  
 (72) QUAY, Steven C.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) AVALARA, INC.  
 (11) AU-A-2023282842  
 (21) 2023282842 (22) 07.06.2023

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- (54) AUTOMATED PREPARATION AND TRANSMISSION OF ELECTRONIC REGISTRATIONS, DATA SHEETS AND RESOURCES
- (51) Int. Cl.  
**G06Q 40/12** ( 2023.01 )
- (87) WO2023/239819
- (31) 63/350,343 (32) 08.06.22 (33) US  
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63/410,146 26.09.22 US
- (43) 14.12.2023
- (72) TINDELL, John; MATHEW, Tobin; COLBORN, William; BOULUS, Albert Michael; PAREKH, Anup Anil; KARAHASHI, Masa; THANGARAJ, Emmanuel; PAILA, Narasimha; HUANG, Alex; CARTER, Ngoc Anh Vu; SINGH, Swapnil; OAKLEY, Patricia; BUCKLEY, Matt; EDWARDS, Graham; SEELY, Scott; JOHNSON, Matt
- (74) AJ PARK
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- (71) AVALARA, INC.  
(11) AU-A-2023283749  
(21) 2023283749 (22) 07.06.2023
- (54) COMPUTER NETWORKED FILING ENGINE
- (51) Int. Cl.  
**G06Q 40/12** ( 2023.01 )
- (87) WO2023/239820
- (31) 63/350,343 (32) 08.06.22 (33) US  
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- (43) 14.12.2023
- (72) TINDELL, John; MATHEW, Tobin; COLBORN, William; BOULUS, Albert Michael; PAREKH, Anup Anil; KARAHASHI, Masa; THANGARAJ, Emmanuel; PAILA, Narasimha; HUANG, Alex; CARTER, Ngoc Anh Vu; SINGH, Swapnil; OAKLEY, Patricia; BUCKLEY, Matt; EDWARDS, Graham
- (74) AJ PARK
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- (71) AVALARA, INC.  
(11) AU-A-2023284969  
(21) 2023284969 (22) 07.06.2023
- (54) COMPUTER NETWORKED FILING ENGINE
- (51) Int. Cl.  
**G06Q 40/12** ( 2023.01 )
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- (31) 63/350,343 (32) 08.06.22 (33) US  
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- (43) 14.12.2023
- (72) BOULUS, Albert Michael; PAREKH, Anup Anil; SEELY, Scott
- (74) AJ PARK
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- (71) AVALARA, INC.  
(11) AU-A-2023285691  
(21) 2023285691 (22) 07.06.2023
- (54) AUTOMATED PREPARATION AND SUBMISSION OF ELECTRONIC REGISTRATION
- (51) Int. Cl.  
**G06T 7/42** ( 2017.01 )  
**G06T 11/00** ( 2006.01 )
- (87) WO2023/235917
- (31) 2022901540 (32) 06.06.22 (33) AU
- (43) 14.12.2023
- (72) FLETCHER, Peter Alleine
- (74) envantage
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- (71) BARANOWITZ, S.  
(11) AU-A-2023292051  
(21) 2023292051 (22) 07.06.2023
- (54) COMPOSITIONS AND METHODS FOR RADIOPROTECTANT/RADIOMITIGATION HYBRID AND/OR DECORPORATION
- (51) Int. Cl.  
**A61K 35/612** ( 2015.01 )  
**A61K 31/405** ( 2006.01 )  
**A61K 31/5415** ( 2006.01 )  
**A61K 33/245** ( 2019.01 )  
**A61P 39/04** ( 2006.01 )
- (87) WO2023/244471
- (31) 63/351,837 (32) 14.06.22 (33) US
- (43) 21.12.2023
- (72) BARANOWITZ, Steven
- (74) Eagar & Associates Pty Ltd
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- (71) BATTELLE MEMORIAL INSTITUTE  
(11) AU-A-2023283389  
(21) 2023283389 (22) 09.06.2023
- (54) NON-VIRAL DELIVERY OF SMALL MOLECULE THERAPEUTICS
- (51) Int. Cl.  
**A61K 47/69** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**B82Y 5/00** ( 2011.01 )  
**A61K 9/51** ( 2006.01 )  
**A61K 31/7088** ( 2006.01 )
- (87) WO2023/239921
- (31) 63/350,650 (32) 09.06.22 (33) US
- (43) 14.12.2023
- (72) GUPTA, Cherry; SMITH, Julianne N.P.; PEDROZO, Miguel D.; ANDRIOFF, Nickolas R.; MAKOBONGO, Morris O.; DUONG, Anthony D.; KOERIS, Michael S.
- (74) Spruson & Ferguson
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(11) AU-A-2023285047  
(21) 2023285047 (22) 09.06.2023
- (54) NON-VIRAL DELIVERY COMPOSITIONS AND SCREENING METHODS
- (51) Int. Cl.  
**A61K 47/56** ( 2017.01 )  
**A61K 9/51** ( 2006.01 )  
**C12Q 1/6809** ( 2018.01 )  
**C12Q 1/6841** ( 2018.01 )  
**C12Q 1/686** ( 2018.01 )  
**G01N 33/533** ( 2006.01 )
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- (31) 63/350,688 (32) 09.06.22 (33) US
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- (74) Spruson & Ferguson
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- (71) BALIKESİR ELEKTROMEKANİK SANAYİ TESİSLERİ ANONİM ŞİRKETİ; KUVAYI TECHNOLOGIES SAVUNMA VE HABERLEŞME TEKNOLOJİLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ
- (11) AU-A-2024219784  
(21) 2024219784 (22) 26.04.2024
- (54) TRANSFORMER TANK SHUNT CONFIGURATION
- (51) Int. Cl.  
**H01F 27/34** ( 2006.01 )
- (31) 2023/006022 (32) 25.05.23 (33) TR
- (43) 12.12.2024
- (72) HAZAR, İrem; TOPRAK, Necmettin; ALTAY, Ramazan; AKSOY, Mahmut; SİS, Seyit Ahmet; KERVAN, Emre; KOÇANALI, Necmettin Mert; MUTLU, Ozan Ali
- (74) Griffith Hack
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- (71) BANDICOOT IMAGING SCIENCES PTY LTD  
(11) AU-A-2023283263  
(21) 2023283263 (22) 06.06.2023
- (54) A METHOD FOR GENERATING A DIGITAL FABRIC TILE
- (51) Int. Cl.  
**G06T 7/42** ( 2017.01 )  
**G06T 11/00** ( 2006.01 )
- (87) WO2023/235917
- (31) 2022901540 (32) 06.06.22 (33) AU

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<p>(71) BGI GENOMICS CO., LTD. (11) AU-A-2023307866 (21) 2023307866 (22) 09.03.2023 (54) METHOD AND APPARATUS FOR DETECTING FETAL CHROMOSOMAL ANEUPLOIDY, AND STORAGE MEDIUM (51) Int. Cl. G16B 20/20 ( 2019.01 ) G16B 30/00 ( 2019.01 ) G16B 40/00 ( 2019.01 ) (87) WO2024/011929 (31) 202210825534.2 (32) 13.07.22 (33) CN (43) 18.01.2024 (72) YANG, Jiechun; PENG, Jiguang; PENG, Zhiyu; SUN, Juan; XIANG, Jiale; LIU, Jingjuan; LI, Jingrou (74) Davies Collison Cave Pty Ltd</p>	<p>(71) BIOGEN MA INC. (11) AU-A-2023260732 (21) 2023260732 (22) 26.04.2023 (54) DIROXIMEL FUMARATE SYNTHESIS (51) Int. Cl. C07D 207/404 ( 2006.01 ) (87) WO2023/212039 (31) 63/335,275 (32) 27.04.22 (33) US (43) 02.11.2023 (72) KWOK, Daw-long, Albert; FEI, Chao (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(71) BOUNDLESS BIO, INC. (11) AU-A-2023275712 (21) 2023275712 (22) 23.05.2023 (54) PYRIDINE CHECKPOINT KINASE 1 (CHK1) INHIBITORS AND USES THEREOF (51) Int. Cl. C07D 401/14 ( 2006.01 ) A61K 31/4439 ( 2006.01 ) A61K 31/497 ( 2006.01 ) A61K 31/506 ( 2006.01 ) A61P 35/00 ( 2006.01 ) (87) WO2023/230477 (31) 63/345,116 (32) 24.05.22 (33) US 63/385,340 29.11.22 US (43) 30.11.2023 (72) PINKERTON, Anthony B.; MEYER, Stephen Todd; ELSDON, Rachelle Janette (74) FB Rice Pty Ltd</p>
<p>(71) BIGFOOT BIOMEDICAL, INC. (11) AU-A-2023279105 (21) 2023279105 (22) 02.06.2023 (54) MEDICATION DELIVERY DEVICES, SYSTEMS AND METHODS (51) Int. Cl. A61M 5/172 ( 2006.01 ) A61B 34/32 ( 2016.01 ) A61M 5/142 ( 2006.01 ) G16H 20/17 ( 2018.01 ) A61M 5/31 ( 2006.01 ) (87) WO2023/235866 (31) 63/365,849 (32) 03.06.22 (33) US 63/382,443 04.11.22 US (43) 07.12.2023 (72) CLEMENTE, Matthew James; PRICE, Rachael Elizabeth (74) Dark IP</p>	<p>(71) BIOMÉRIEUX (11) AU-A-2023262222 (21) 2023262222 (22) 25.04.2023 (54) REACTION MEDIUM AND ASSOCIATED METHOD FOR DETECTION OF A TARGET MICROORGANISM (51) Int. Cl. C12Q 1/04 ( 2006.01 ) C12Q 1/10 ( 2006.01 ) G01N 33/53 ( 2006.01 ) G01N 33/543 ( 2006.01 ) G01N 33/569 ( 2006.01 ) (87) WO2023/209287 (31) FR2203888 (32) 26.04.22 (33) FR (43) 02.11.2023 (72) JUNILLON, Thomas; MALLÉN, Benoît; CHABLAIN, Patrice; MOSTICONE, David (74) PHILLIPS ORMONDE FITZPATRICK</p>	<p>(71) BP P.L.C.; BP (CHINA) HOLDINGS LIMITED (11) AU-A-2023296828 (21) 2023296828 (22) 29.06.2023 (54) MANGANESE CATALYSTS FOR REVERSE WATER-GAS SHIFT AND INTEGRATED FISCHER-TROPSCH PROCESSES (51) Int. Cl. C10G 2/00 ( 2006.01 ) B01J 23/34 ( 2006.01 ) C10K 3/02 ( 2006.01 ) (87) WO2024/003843 (31) PCT/ (32) 30.06.22 (33) CN CN2022/102660 PCT/ 30.06.22 CN CN2022/102723 (43) 04.01.2024 (72) GUO, Meiling; ARMITAGE, Gareth; SUNLEY, John Glenn; LIU, Xuebin; DENNIS-SMITHER, Ben; DOSKOCIL, Eric; WANG, Ning; PATERSON, Alexander, James; UDOH, Christiana (74) Spruson &amp; Ferguson</p>
<p>(71) BIGFOOT BIOMEDICAL, INC. (11) AU-A-2023281065 (21) 2023281065 (22) 02.06.2023 (54) AUTONOMOUS DOSE INJECTION (51) Int. Cl. A61M 5/172 ( 2006.01 ) A61B 5/00 ( 2006.01 ) A61M 5/142 ( 2006.01 ) (87) WO2023/235867</p>	<p>(71) BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM (11) AU-A-2023259610 (21) 2023259610 (22) 25.04.2023 (54) COMPOSITIONS AND METHODS RELATING TO ENGINEERED RNA POLYMERASES WITH CAPPING ENZYMES (51) Int. Cl. C12N 15/00 ( 2006.01 ) C12N 9/12 ( 2006.01 ) C12N 15/09 ( 2006.01 ) C12N 15/10 ( 2006.01 ) (87) WO2023/212546 (31) 63/334,406 (32) 25.04.22 (33) US 63/409,353 23.09.22 US (43) 02.11.2023 (72) ELLINGTON, Andrew; KAR, Shaunak; GARDNER, Elizabeth; GOLLIHAR, Jimmy; SHROFF, Raghav (74) Davies Collison Cave Pty Ltd</p>	<p>(71) BP P.L.C.; BP (CHINA) HOLDINGS LIMITED (11) AU-A-2023296829 (21) 2023296829 (22) 29.06.2023 (54) PALLADIUM, PLATINUM, AND GOLD CATALYSTS FOR REVERSE WATER-GAS SHIFT AND INTEGRATED FISCHER-TROPSCH PROCESSES (51) Int. Cl. C10G 2/00 ( 2006.01 )</p>

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**B01J 23/656** ( 2006.01 )  
**C10K 3/02** ( 2006.01 )  
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**(31)** PCT/ (32) 30.06.22 (33) CN  
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 CN2022/102976  
**(43)** 04.01.2024  
**(72)** GUO, Meiling; ARMITAGE, Gareth;  
 SUNLEY, John Glenn; LIU, Xuebin;  
 DENNIS-SMITHER, Ben; UDOH, Chris-  
 tiana; DOSKOCIL, Eric; GUAN, Zai  
 Hong; PATERSON, Alexander, James  
**(74)** Spruson & Ferguson
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- (71)** BP P.L.C.; BP (CHINA) HOLDINGS  
 LIMITED  
**(11)** AU-A-2023299562  
**(21)** 2023299562 (22) 29.06.2023  
**(54)** INTEGRATED FISCHER-TROPSCH  
 PROCESSES  
**(51)** Int. Cl.  
**C07C 1/04** ( 2006.01 )  
**C10G 2/00** ( 2006.01 )  
**C10K 3/00** ( 2006.01 )  
**(87)** WO2024/003844  
**(31)** PCT/ (32) 30.06.22 (33) CN  
 CN2022/102724  
**(43)** 04.01.2024  
**(72)** GUO, Meiling; ARMITAGE, Gareth;  
 SUNLEY, John Glenn; LIU, Xuebin;  
 DENNIS-SMITHER, Ben; UDOH, Chris-  
 tiana; PATERSON, Alexander, James  
**(74)** Spruson & Ferguson
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- (71)** BP P.L.C.; BP (CHINA) HOLDINGS  
 LIMITED  
**(11)** AU-A-2023300847  
**(21)** 2023300847 (22) 29.06.2023  
**(54)** NICKEL CATALYSTS FOR REVERSE  
 WATER-GAS SHIFT CATALYSTS AND  
 INTEGRATED FISCHER-TROPSCH  
 PROCESSES  
**(51)** Int. Cl.  
**C10G 2/00** ( 2006.01 )  
**B01J 23/34** ( 2006.01 )  
**B01J 23/755** ( 2006.01 )  
**B01J 23/889** ( 2006.01 )  
**C10K 3/02** ( 2006.01 )  
**(87)** WO2024/003846  
**(31)** PCT/ (32) 30.06.22 (33) CN  
 CN2022/102630  
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**(43)** 04.01.2024  
**(72)** GUO, Meiling; ARMITAGE, Gareth;  
 SUNLEY, John Glenn; UDOH, Christi-  
 ana; DOSKOCIL, Eric; PATERSON, Al-  
 exander, James; DENNIS-SMITHER,  
 Ben; LIU, Xuebin  
**(74)** Spruson & Ferguson
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- (71)** BRENT SHELDON  
**(11)** AU-A-2023432563  
**(21)** 2023432563 (22) 23.03.2023  
**(54)** METHOD OF MAKING EYEWEAR  
 HAVING FLEXIBLE BRIDGE PORTION  
**(51)** Int. Cl.  
**B29D 11/00** ( 2006.01 )  
**B29C 45/14** ( 2006.01 )  
**G02C 13/00** ( 2006.01 )  
**(87)** WO2024/174017  
**(31)** PCT/ (32) 24.02.23 (33) CA  
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**(43)** 29.08.2024  
**(72)** BROUSSEAU, Guy  
**(74)** Golja Haines & Friend
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- (71)** BURCHER, T.C.  
**(11)** AU-A-2023255410  
**(21)** 2023255410 (22) 24.04.2023  
**(54)** FORMWORK FOR RETAINING WALLS  
**(51)** Int. Cl.  
**E02D 29/02** ( 2006.01 )  
**E04B 2/86** ( 2006.01 )  
**E04C 5/20** ( 2006.01 )  
**E04G 9/05** ( 2006.01 )  
**(87)** WO2023/201401  
**(31)** 2022901065 (32) 22.04.22 (33) AU  
 2023900146 23.01.23 AU  
**(43)** 26.10.2023  
**(72)** BURCHER, Trent Christopher  
**(74)** Franke Hyland Pty Ltd
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- (71)** BUTTERMORE, N.  
**(11)** AU-A-2022460414  
**(21)** 2022460414 (22) 25.05.2022  
**(54)** APPARATUS AND METHOD FOR OB-  
 JECT MOUNTING SYSTEM  
**(51)** Int. Cl.  
**B64F 1/12** ( 2006.01 )  
**(87)** WO2023/229586  
**(43)** 30.11.2023  
**(72)** BUTTERMORE, Neil  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** BUTTERMORE, N.  
**(11)** AU-A-2023276565  
**(21)** 2023276565 (22) 25.05.2023  
**(54)** APPARATUS AND METHOD FOR OR-  
 DINANCE MOUNTING SYSTEM  
**(51)** Int. Cl.  
**B64D 1/04** ( 2006.01 )  
**B64C 39/02** ( 2023.01 )  
**B64D 5/00** ( 2006.01 )  
**(87)** WO2023/230266  
**(31)** 17/868,146 (32) 19.07.22 (33) US  
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**(43)** 30.11.2023  
**(72)** BUTTERMORE, Neil  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** BWXT ISOTOPE TECHNOLOGY  
 GROUP, INC.  
**(11)** AU-A-2023279735  
**(21)** 2023279735 (22) 01.06.2023  
**(54)** TECHNETIUM-99M GENERATOR  
 COLUMN ASSEMBLY AND METHOD  
 OF USE THEREOF  
**(51)** Int. Cl.  
**G21F 5/12** ( 2006.01 )
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- G21F 5/015** ( 2006.01 )  
**(87)** WO2023/235481  
**(31)** 63/348,625 (32) 03.06.22 (33) US  
 18/203,979 31.05.23 US  
**(43)** 07.12.2023  
**(72)** ARTMAN, Thomas, Alan; PALAZZI,  
 Kenneth, Raymond  
**(74)** Griffith Hack
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- (71)** BWXT ISOTOPE TECHNOLOGY  
 GROUP, INC.  
**(11)** AU-A-2023280902  
**(21)** 2023280902 (22) 01.06.2023  
**(54)** METHOD OF USING AN ALUMINA IN  
 A MOLYBDENUM/TECHNETIUM-99M  
 GENERATOR  
**(51)** Int. Cl.  
**G01T 1/185** ( 2006.01 )  
**C22B 34/34** ( 2006.01 )  
**C22B 60/00** ( 2006.01 )  
**G21G 4/04** ( 2006.01 )  
**(87)** WO2023/235482  
**(31)** 63/348,613 (32) 03.06.22 (33) US  
 18/204,049 31.05.23 US  
**(43)** 07.12.2023  
**(72)** WIGGINS, Bryan, Blake; FEWOX,  
 Christopher, Sean; POLICKE, Timothy,  
 A.; BISHOP, Benjamin, Isaiah  
**(74)** Griffith Hack
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- (71)** BYD COMPANY LIMITED  
**(11)** AU-A-2023271068  
**(21)** 2023271068 (22) 12.05.2023  
**(54)** VEHICLE TORQUE CONTROL METH-  
 OD AND APPARATUS, ELECTRONIC  
 DEVICE, AND STORAGE MEDIUM  
**(51)** Int. Cl.  
**B60L 15/20** ( 2006.01 )  
**(87)** WO2023/221899  
**(31)** 202210552589.0 (32) 20.05.22 (33) CN  
**(43)** 23.11.2023  
**(72)** LING, Heping; SHI, Mingchuan;  
 ZHANG, Hao; YIN, Chao; WANG,  
 Hongxia  
**(74)** Integrated IP
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- (71)** BYD COMPANY LIMITED  
**(11)** AU-A-2023278388  
**(21)** 2023278388 (22) 31.05.2023  
**(54)** POWERTRAIN SYSTEM AND  
 VEHICLE  
**(51)** Int. Cl.  
**B60K 6/26** ( 2007.10 )  
**B60K 6/00** ( 2007.10 )  
**(87)** WO2023/232078  
**(31)** 202210616333.1 (32) 31.05.22 (33) CN  
**(43)** 07.12.2023  
**(72)** LIAO, Yinsheng; ZHANG, Feng; ZHAO,  
 Gaoming; ZHU, Yongtian; ZHU, Ning  
**(74)** GLMR
- 
- (71)** CANON KABUSHIKI KAISHA  
**(11)** AU-A-2023288304  
**(21)** 2023288304 (22) 22.06.2023  
**(54)** TONER CARTRIDGE, DEVELOP-  
 MENT CARTRIDGE, IMAGE FORM-

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CHARGE MEMBER  
(51) Int. Cl.  
**G03G 21/18** ( 2006.01 )  
**G03G 15/08** ( 2006.01 )  
**G03G 21/10** ( 2006.01 )  
**G03G 21/16** ( 2006.01 )  
(87) WO2023/249127  
(31) 2022-101481 (32) 24.06.22 (33) JP  
2022-171767 26.10.22 JP  
(43) 28.12.2023  
(72) UESUGI Tetsuo; TAKEUCHI Toshiaki;  
GOTO Joji; MAEDA Naoki; YADA  
Takayuki; KAMOSHIDA Shigemi;  
NONAKA Fumito; SASAKI Teruhiko;  
KAWAI Tachio; KOMATSU Noriy-  
uki; ASANUMA Naoya; HIRAYAMA  
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*C08L 1/10* ( 2006.01 )  
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 (54) BATTERY HOUSING, BATTERY CELL,  
 LARGE-CAPACITY BATTERY, AND  
 MANUFACTURING METHOD FOR  
 LARGE-CAPACITY BATTERY  
 (51) Int. Cl.  
*H01M 50/103* ( 2021.01 )  
*H01M 50/183* ( 2021.01 )  
*H01M 50/627* ( 2021.01 )  
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(72) LEI, Zhengjun; ZHANG, Sanxue; HAN, Xiaoyu; QIANG, Jian; CHEN, Mengqi; LIU, Yi	11.02.23		(21) 2023278978 (22) 29.03.2023	(21) 2023271396 (22) 16.05.2023	
(74) James & Wells Intellectual Property			(54) COMPOSITE MATERIAL HAVING RE- DUCED POROSITY AND A PROCESS FOR PRODUCING THEREOF	(54) PROSTATE SPECIFIC MEMBRANE ANTIGEN (PSMA) LIGANDS	
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(71) DBSORB LIMITED			(51) Int. Cl.	(51) Int. Cl.	
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(21) 2023265750 (22) 20.04.2023			A61K 6/61 ( 2020.01 )	A61K 51/04 ( 2006.01 )	
(54) DEVICE, METHOD AND SYSTEM FOR MOUNTING OR JOINING A PAN- EL			A61K 6/62 ( 2020.01 )	A61P 35/00 ( 2006.01 )	
(51) Int. Cl.			A61K 6/77 ( 2020.01 )	A61K 103/30 ( 2006.01 )	
E04B 1/86 ( 2006.01 )			A61K 6/78 ( 2020.01 )		
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(43) 09.11.2023			(72) ELSNER, Oliver; BRUGGER, Stefan	<hr/>	
(72) RANGELEY, Adam; OETZEL, Alexan- dra, Andrea; KORZH, Alexey			(74) Patent Attorney Services	(71) DICE MOLECULES SV, INC.	
(74) James & Wells Intellectual Property				(11) AU-A-2023267833	
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(71) DEFENDER SCREENS INTERNA- TIONAL, LLC			(71) DERMAGNOSTIX GMBH	(11) AU-A-2023267833	
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(54) RETRACTABLE SCREEN SYSTEMS			(54) METHOD FOR DEPARAFFINIZING FORMALIN-FIXED, PARAFFIN-EM- BEDDED TISSUE	(51) Int. Cl.	
(51) Int. Cl.			(51) Int. Cl.	C07D 207/46 ( 2006.01 )	
E06B 9/58 ( 2006.01 )			G01N 1/34 ( 2006.01 )	A61P 29/00 ( 2006.01 )	
E06B 9/56 ( 2006.01 )			G01N 1/30 ( 2006.01 )	A61P 37/00 ( 2006.01 )	
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(72) JAMES, Arthur; FITZGERALD, Ryan			G01N 1/36 ( 2006.01 )	C07D 213/64 ( 2006.01 )	
(74) Spruson & Ferguson			G01N 35/00 ( 2006.01 )	C07D 237/14 ( 2006.01 )	
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A41D 19/00 ( 2006.01 )				C07D 405/14 ( 2006.01 )	
A61B 5/00 ( 2006.01 )				C07D 409/14 ( 2006.01 )	
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(72) BANEZ, Anvil; BANEZ, Kimberly; WILSON, Scott; KERR-PHILLIPS, Thomas; MARTIN, Jamin				(21) 2023287243 (22) 23.06.2023	
(74) Prime Innovation Limited				(54) MECHANICAL LOCK NUT RETAIN- MENT SYSTEM	
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(71) DERMBIONT, INC.			(71) DERMBIONT, INC.	(51) Int. Cl.	
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(54) COMPOSITIONS AND FORMULA- TIONS FOR USE OF A PK INHIBIT- OR FOR THE PREVENTION, TREAT- MENT, AND IMPROVEMENT OF SKIN DISEASES, CONDITIONS, AND DIS- ORDERS			(54) COMPOSITIONS AND FORMULA- TIONS FOR USE OF A PK INHIBIT- OR FOR THE PREVENTION, TREAT- MENT, AND IMPROVEMENT OF SKIN DISEASES, CONDITIONS, AND DIS- ORDERS	F16B 43/00 ( 2006.01 )	
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(72) TAYLOR, Emma; BEUTNER, Karl; PHILLIPS, Christopher; DE SOUZA, Mark; PANDRAPRAGADA, Ravi Ku- mar; URRUTIA, Vanessa Alexandra Cofré; BRADY, Brendan Philip; EVANS, Charles Rodney Greenaway			(72) TAYLOR, Emma; BEUTNER, Karl; PHILLIPS, Christopher; DE SOUZA, Mark; PANDRAPRAGADA, Ravi Ku- mar; URRUTIA, Vanessa Alexandra Cofré; BRADY, Brendan Philip; EVANS, Charles Rodney Greenaway		
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 (74) FPA Patent Attorneys Pty Ltd
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 (72) ASHFIELD, Rebecca  
 (74) FPA Patent Attorneys Pty Ltd
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 (54) MAIN FRAME, FRONT FORK, AND BICYCLE FRAME COMPRISING SAME  
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*B62K 19/28* ( 2006.01 )  
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*B62K 19/34* ( 2006.01 )  
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 (72) ALDERSE BAAS, Johannes  
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 (54) AZETIDINE COMPOUNDS, PHARMACEUTICAL COMPOSITIONS THEREOF, PREPARATION METHODS AND THEIR USES IN THE TREATMENT OF CNS DISORDERS  
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 (54) ADJUSTABLE BED ASSEMBLY  
 (51) Int. Cl.  
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 (72) HILL, Carli; ERMALOVICH, Joseph  
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(71) ESSITY HYGIENE AND HEALTH AK-TIEBOLAG  
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 (54) AN ABSORBENT ARTICLE HAVING STANDING GATHERS AND LEG CUFFS  
 (51) Int. Cl.  
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 (72) CORNELIUSSON, Helena; NILSSON, Lisa; ADIELS, Emelie; ASAYESH, Yasha  
 (74) Griffith Hack

(71) ESSITY HYGIENE AND HEALTH AK-TIEBOLAG  
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 (54) ABSORBENT ARTICLE WITH ADHESIVE PATCHES  
 (51) Int. Cl.  
     **A61F 13/15** ( 2006.01 )  
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 (72) SOHL, Josefin; MORALES, Mateo; LOPEZ, Fabio  
 (74) Griffith Hack

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 (54) WASHABLE AND REUSABLE ABSORBENT UNDERGARMENT  
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     **A61F 13/49** ( 2006.01 )  
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 (72) BLOMSTRÖM, Philip; KNÖS, Anna  
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 (54) DOUBLE STRANDED NUCLEIC ACID COMPOUNDS INHIBITING ZPI  
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 (74) Griffith Hack

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 (21) 2023280069 (22) 31.05.2023  
 (54) REACTIVE GEL MATERIAL FOR SUSTAINED WATER-BASED REACTIONS  
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     **C08L 89/06** ( 2006.01 )  
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     **C08J 3/075** ( 2006.01 )  
     **C08J 3/09** ( 2006.01 )  
     **C08L 1/28** ( 2006.01 )  
     **C08L 33/14** ( 2006.01 )  
     **C08L 33/26** ( 2006.01 )  
     **C08L 51/08** ( 2006.01 )  
     **C09K 21/14** ( 2006.01 )  
     **G01N 31/22** ( 2006.01 )  
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 (72) YANG, Fut (kuo); WEN, Quan; ZHAO, Boxin  
 (74) MINTER ELLISON

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 (54) DETECTING OXIDATIVE STRESS IN CELL(S) USING EPIGENETIC MEANS  
 (51) Int. Cl.  
     **C12Q 1/6876** ( 2018.01 )  
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 (72) BÖHL, Florian; ROY, Suki; BOURLAND, Jennifer; NAGARAJAN, Sanjanaa  
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 (54) EPIGENETIC MARKERS FOR DETECTING OXIDATIVE STRESS  
 (51) Int. Cl.  
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 (72) BÖHL, Florian; ROY, Suki; BOURLAND, Jennifer; NAGARAJAN, Sanjanaa  
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 (54) A METHOD OF CELL REJUVENATION  
 (51) Int. Cl.  
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     **A23K 40/30** ( 2016.01 )  
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     **A61K 8/44** ( 2006.01 )  
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(71) EVONIK OPERATIONS GMBH  
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 (54) A METHOD OF CELL REJUVENATION  
 (51) Int. Cl.  
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 (54) DIAGNOSTIC BIOMARKER FOR OXIDATIVE STRESS  
 (51) Int. Cl.  
     **C12Q 1/6876** ( 2018.01 )  
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 (21) 2023287536 (22) 26.06.2023  
 (54) A SKIN CARE COMPOSITION  
 (51) Int. Cl.  
     **A61K 31/19** ( 2006.01 )  
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 (51) Int. Cl.  
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- (71) FIELD ORTHOPAEDICS PTY LTD  
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 (21) 2023293479 (22) 16.06.2023  
 (54) BONE FIXATION PLATE AND SYSTEM  
 (51) Int. Cl.  
 A61B 17/80 ( 2006.01 )  
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 (72) LIANG, Kau Shean; MAURER, Michael  
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 (11) AU-A-2023286673  
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 (54) FORMULATIONS FOR MODULATING MYC EXPRESSION  
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- (71) FORENSIC TECHNOLOGY (CANADA) INC.  
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 (54) METHOD AND SYSTEM FOR BALISTIC SPECIMEN CLUSTERING  
 (51) Int. Cl.  
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 G06V 10/762 ( 2022.01 )  
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 (72) ROBERGE, Danny; BEAUCHAMP, Alain; LEVESQUE, Serge  
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 (54) MODULARLY SCALABLE PHOTOBIOREACTOR  
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 (72) BRINITZER, Gordon  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (54) PATIENT TURNING APPARATUS  
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 (72) MORSE, Jon; BOSLEY, Simon  
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 (54) COMPOSITION FOR THREE-DIMENSIONAL MODELING AND METHOD FOR PRODUCING DENTAL MODELED OBJECT  
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 A61K 6/887 ( 2020.01 )  
 A61C 5/70 ( 2017.01 )  
 A61C 13/087 ( 2006.01 )  
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 (72) KAKINUMA, Hiroaki; TAKADA, Daisuke; KATO, Hiroki; UENO, Takayuki  
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- (71) GENERAL MILLS, INC.  
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 (54) METHOD OF MAKING MULTI-TEXTURED CONFECTIONERY PIECES  
 (51) Int. Cl.  
 A23G 3/34 ( 2006.01 )  
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 (74) FB Rice Pty Ltd
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 (21) 2023273610 (22) 15.05.2023  
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 (51) Int. Cl.  
 A23L 7/17 ( 2016.01 )  
 A23J 1/00 ( 2006.01 )  
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(71) GENETIC TECHNOLOGIES LIMITED  
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 (54) METHODS OF ASSESSING RISK OF DEVELOPING PROSTATE CANCER  
 (51) Int. Cl.  
**C12Q 1/6886** ( 2018.01 )  
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 (31) 2022901108 (32) 27.04.22 (33) AU  
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 (72) DITE, Gillian Sue; ALLMAN, Richard  
 (74) FB Rice Pty Ltd

(71) GESSI S.P.A.  
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 (21) 2023279908 (22) 31.05.2023  
 (54) ELECTRONIC FAUCET, METHOD OF COUPLING BETWEEN A SOURCE OF CONDITIONED WATER OR FLUID AND A FAUCET AND METHOD FOR CONTROLLING AN ELECTRONIC FAUCET  
 (51) Int. Cl.  
**B67D 1/08** ( 2006.01 )  
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 (31) 102022000011798 (32) 03.06.22 (33) IT  
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 (72) GESSI, Gian Luca  
 (74) GLMR

(71) GIASSON, E.M.  
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 (21) 2023265786 (22) 26.04.2023  
 (54) AN APPARATUS FOR FACILITATING LOCATION OF AN OBJECT AND A CORRESPONDING APERTURE IN A CONSTRUCTION PANEL AND METHOD OF USE  
 (51) Int. Cl.  
**B23B 49/02** ( 2006.01 )  
**B23B 47/28** ( 2006.01 )  
**B25H 1/00** ( 2006.01 )  
**B25H 7/04** ( 2006.01 )  
**B26D 7/00** ( 2006.01 )  
**B26F 1/16** ( 2006.01 )  
**B28D 1/14** ( 2006.01 )  
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 (72) GIASSON, Eugene, M.  
 (74) WRAYS PTY LTD

(71) GILEAD SCIENCES, INC.  
 (11) AU-A-2023283718  
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 (54) METHODS FOR TREATMENT OF VIRAL INFECTIONS INCLUDING SARS-COV-2  
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**A61P 31/12** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
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 (72) BANNISTER, Roy Maxim; BILELLO, John P.; PITTS, Jared D.  
 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2023260634  
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 (54) ORGANIC COMPOUNDS  
 (51) Int. Cl.  
**A23L 27/20** ( 2016.01 )  
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 (72) DANIHER, Andrew; HAIBER, Stephan; IBANEZ GONZALEZ, Luis; KOHLEN, Eric; WINKEL, Cornelis  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) GRAVITON BIOSCIENCE BV  
 (11) AU-A-2023262720  
 (21) 2023262720 (22) 29.04.2023  
 (54) INHIBITORS OF ROCK2  
 (51) Int. Cl.  
**A61P 3/10** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
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**C07D 403/14** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**C07D 409/14** ( 2006.01 )  
**C07D 495/04** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

(71) GREEN SOL-GEL LTD  
 (11) AU-A-2023268727  
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 (54) METHOD  
 (51) Int. Cl.  
**D21H 17/22** ( 2006.01 )  
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 (31) 2207061.9 (32) 13.05.22 (33) GB  
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 (72) ISMAIL, Fanya  
 (74) Wallington-Dummer Pty Ltd

(71) GRIFFITH UNIVERSITY  
 (11) AU-A-2023277215  
 (21) 2023277215 (22) 29.05.2023  
 (54) BIOMARKERS OF FIBROSIS AND USES THEREFOR

(51) Int. Cl.  
**G01N 33/68** ( 2006.01 )  
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 (72) PUNYADEERA, Chamindie; CRAW-FORD, Darrell  
 (74) Davies Collison Cave Pty Ltd

(71) GRIPPLE LIMITED  
 (11) AU-A-2023284122  
 (21) 2023284122 (22) 02.06.2023  
 (54) CLAMPING DEVICE AND CLAMP  
 (51) Int. Cl.  
**F16G 11/10** ( 2006.01 )  
**B21F 9/00** ( 2006.01 )  
**E04H 17/00** ( 2006.01 )  
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 (72) REYNOLDS, Thomas  
 (74) Spruson & Ferguson

(71) GUANGDONG UNIVERSITY OF TECHNOLOGY  
 (11) AU-A-2022462878  
 (21) 2022462878 (22) 25.07.2022  
 (54) SPECIAL SOLAR VACUUM WATER JACKET HEATING FURNACE FOR OIL FIELD AND CRUDE OIL HEATING METHOD  
 (51) Int. Cl.  
**F24H 7/02** ( 2022.01 )  
**C10G 7/04** ( 2006.01 )  
**C10G 7/06** ( 2006.01 )  
 (87) WO2023/236325  
 (31) 202210648609.4 (32) 09.06.22 (33) CN  
 (43) 14.12.2023  
 (72) LIU, Xiaozhou; LIANG, Hao; HE, Qi-hong  
 (74) Madderns Pty Ltd

(71) HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD  
 (11) AU-A-2023289034  
 (21) 2023289034 (22) 22.06.2023  
 (54) ASSESSMENT OF RELATIVE QUANTITATIVE EFFECT OF SOMATIC POINT MUTATIONS AT THE INDIVIDUAL TUMOR LEVEL FOR PRIORITIZATION  
 (51) Int. Cl.  
**C12Q 1/6886** ( 2018.01 )  
**G16B 20/20** ( 2019.01 )  
**G16B 50/00** ( 2019.01 )  
**G16H 50/00** ( 2018.01 )  
**G16H 70/60** ( 2018.01 )  
 (87) WO2023/248230  
 (31) 63/354,438 (32) 22.06.22 (33) US  
 (43) 28.12.2023  
 (72) ROSENBERG, Shai; LANDAU, Jakob (Kobi)  
 (74) Griffith Hack

(71) HANDICAPPED PETS, INC.  
 (11) AU-A-2022455143

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- (21) 2022455143 (22) 28.04.2022  
**(54)** WHEELCHAIR DEVICE FOR MOBILITY-CHALLENGED QUADRUPEDS WITH USER-ACTUATED SIT-DOWN ACTION  
**(51)** Int. Cl.  
**A61G 5/04** ( 2013.01 )  
**B62K 5/003** ( 2013.01 )  
**B62K 5/007** ( 2013.01 )  
**(87)** WO2023/211436  
**(43)** 02.11.2023  
**(72)** ROBINSON, Mark C.; JONES, James  
**(74)** Madderns Pty Ltd
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- (71)** HANGZHOU SCIWIND BIOSCIENCES CO., LTD.; SCIWIND BIOSCIENCES (BEIJING) CO., LTD.  
**(11)** AU-A-2023274784  
**(21)** 2023274784 (22) 29.05.2023  
**(54)** HUMAN AMYLIN ANALOG, AND DERIVATIVE AND USE THEREOF  
**(51)** Int. Cl.  
**C07K 14/575** ( 2006.01 )  
**A61K 38/22** ( 2006.01 )  
**A61P 5/48** ( 2006.01 )  
**(87)** WO2023/227133  
**(31)** 202210588910.0 (32) 27.05.22 (33) CN  
**(43)** 30.11.2023  
**(72)** LI, Yan; PAN, Hai; HAO, Sujuan; LI, Zhaoying; LI, Biao; ZOU, Haixia; WU, Xinle  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** HANSMANN, G.  
**(11)** AU-A-2023281888  
**(21)** 2023281888 (22) 01.06.2023  
**(54)** HUMAN MESENCHYMAL STEM CELL-CONDITIONED MEDIUM AND HUMAN MESENCHYMAL STEM CELLS FOR USE IN TREATMENT OF CHRONIC HEART-LUNG AND VASCULAR DISEASES, IN PARTICULAR, OF PULMONARY ARTERIAL HYPERTENSION (PAH)  
**(51)** Int. Cl.  
**A61K 35/28** ( 2015.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**C12N 5/0775** ( 2010.01 )  
**(87)** WO2023/232914  
**(31)** 22177263.5 (32) 03.06.22 (33) EP  
**(43)** 07.12.2023  
**(72)** HANSMANN, Georg; HASS, Ralf; GLERA, Martin; RALSER, Markus  
**(74)** WRAYS PTY LTD
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- (71)** HAPTECH, INC.  
**(11)** AU-A-2023275477  
**(21)** 2023275477 (22) 25.05.2023  
**(54)** HAPTIC SYSTEM FOR A FIREARM SIMULATOR  
**(51)** Int. Cl.  
**A63F 13/285** ( 2014.01 )  
**F41A 33/06** ( 2006.01 )  
**H02K 41/03** ( 2006.01 )  
**F41A 33/00** ( 2006.01 )  
**G09B 9/00** ( 2006.01 )  
**(87)** WO2023/230199  
**(31)** 17/824,747 (32) 25.05.22 (33) US
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- (43)** 30.11.2023  
**(72)** MONTI, Kyle; REILLY, Colin; BIGGERS, Andrew  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HARVEST B PTY LTD  
**(11)** AU-A-2023280624  
**(21)** 2023280624 (22) 31.05.2023  
**(54)** IMPROVED TEXTURED PLANT PROTEIN  
**(51)** Int. Cl.  
**A23J 3/22** ( 2006.01 )  
**A23J 3/14** ( 2006.01 )  
**A23J 3/16** ( 2006.01 )  
**A23J 3/18** ( 2006.01 )  
**A23J 3/26** ( 2006.01 )  
**A23L 5/40** ( 2016.01 )  
**A23L 7/10** ( 2016.01 )  
**A23L 11/00** ( 2021.01 )  
**A23P 30/20** ( 2016.01 )  
**A23P 30/25** ( 2016.01 )  
**(87)** WO2023/230659  
**(31)** 2022901496 (32) 01.06.22 (33) AU  
**(43)** 07.12.2023  
**(72)** RIORDAN, Kristi Knaack; LO, Alfred; MULLETTE, Daniel; CLAMPETT, Daniel  
**(74)** Forte Intellectual Property Pty Ltd
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- (71)** HELICON CHEMICAL COMPANY  
**(11)** AU-A-2023297774  
**(21)** 2023297774 (22) 26.05.2023  
**(54)** COMPOSITE POWDER CONTAINING PRIMARY NANOPARTICLES OF ALUMINUM OR ALUMINUM OXIDE  
**(51)** Int. Cl.  
**C06B 45/32** ( 2006.01 )  
**B01J 2/06** ( 2006.01 )  
**B01J 2/30** ( 2006.01 )  
**B22F 1/054** ( 2022.01 )  
**B22F 1/102** ( 2022.01 )  
**C09C 1/64** ( 2006.01 )  
**B22F 9/02** ( 2006.01 )  
**C01G 1/02** ( 2006.01 )  
**(87)** WO2024/006012  
**(31)** 63/345,949 (32) 26.05.22 (33) US  
**(43)** 04.01.2024  
**(72)** REID, David; FISHER, Michael  
**(74)** DAVIS IP PTY LTD
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- (71)** HEXATRONIC CABLES & INTERCONNECT SYSTEMS AB  
**(11)** AU-A-2023269235  
**(21)** 2023269235 (22) 11.05.2023  
**(54)** ELASTIC DUCT BUNDLE  
**(51)** Int. Cl.  
**G02B 6/44** ( 2006.01 )  
**(87)** WO2023/217969  
**(31)** 22173307.4 (32) 13.05.22 (33) EP  
**(43)** 16.11.2023  
**(72)** SKÄRGÅRD, Fredrik; LO CURZIO, Peter  
**(74)** FB Rice Pty Ltd
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- (71)** HILL'S PET NUTRITION, INC.  
**(11)** AU-A-2023292465  
**(21)** 2023292465 (22) 15.06.2023
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- (54)** PET FOOD COMPOSITIONS  
**(51)** Int. Cl.  
**A23L 33/115** ( 2016.01 )  
**A23K 50/40** ( 2016.01 )  
**A23L 33/12** ( 2016.01 )  
**A61P 13/00** ( 2006.01 )  
**(87)** WO2023/244709  
**(31)** 63/352,380 (32) 15.06.22 (33) US  
**(43)** 21.12.2023  
**(72)** JACKSON, Matthew; MORGAN, Laura; JEWELL, Dennis  
**(74)** FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71)** HILL'S PET NUTRITION, INC.  
**(11)** AU-A-2023292481  
**(21)** 2023292481 (22) 15.06.2023  
**(54)** PET FOOD COMPOSITIONS  
**(51)** Int. Cl.  
**A23L 33/115** ( 2016.01 )  
**A23K 50/40** ( 2016.01 )  
**A23L 33/12** ( 2016.01 )  
**A61P 1/02** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
**(87)** WO2023/244731  
**(31)** 63/352,434 (32) 15.06.22 (33) US  
**(43)** 21.12.2023  
**(72)** BADRI, Dayakar; JACKSON, Matthew; SCHERL, Dale  
**(74)** FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71)** HILTI AKTIENGESELLSCHAFT  
**(11)** AU-A-2023311145  
**(21)** 2023311145 (22) 06.07.2023  
**(54)** TERTIARY AMINES FOR IMPROVING THE CREEP BEHAVIOUR OF CHEMICAL DOWELS  
**(51)** Int. Cl.  
**C04B 26/14** ( 2006.01 )  
**C08G 59/50** ( 2006.01 )  
**C08G 59/68** ( 2006.01 )  
**(87)** WO2024/017659  
**(31)** 22186012.5 (32) 20.07.22 (33) EP  
**(43)** 25.01.2024  
**(72)** MARTIN-LASANTA, Ana-Maria; BEHRENS, Nicole  
**(74)** Spruson & Ferguson
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- (71)** HILTI AKTIENGESELLSCHAFT  
**(11)** AU-A-2023318447  
**(21)** 2023318447 (22) 11.07.2023  
**(54)** MODULAR CONSTRUCTION KIT SYSTEM FOR PRODUCING AND SEALING A CABLE OR PIPE FEED-THROUGH  
**(51)** Int. Cl.  
**E04G 15/06** ( 2006.01 )  
**F16L 5/02** ( 2006.01 )  
**F16L 5/04** ( 2006.01 )  
**F16L 5/14** ( 2006.01 )  
**H02G 3/22** ( 2006.01 )  
**(87)** WO2024/028047  
**(31)** 22188045.3 (32) 01.08.22 (33) EP  
**(43)** 08.02.2024  
**(72)** FÖRG, Christian  
**(74)** Spruson & Ferguson

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

(71) HITACHI, LTD.  
 (11) AU-A-2022460361  
 (21) 2022460361 (22) 25.05.2022  
 (54) SIGNAL RECOGNITION DEVICE, SIGNAL RECOGNITION METHOD, AND PROGRAM  
 (51) Int. Cl.  
     **G08G 1/09** ( 2006.01 )  
     **G08G 1/16** ( 2006.01 )  
 (87) WO2023/228318  
 (43) 30.11.2023  
 (72) HIROKI, Keiichi  
 (74) Davies Collison Cave Pty Ltd

(71) HUAWEI TECHNOLOGIES CO., LTD.  
 (11) AU-A-2023276390  
 (21) 2023276390 (22) 05.05.2023  
 (54) COMMUNICATION METHOD AND APPARATUS  
 (51) Int. Cl.  
     **H04W 72/04** ( 2023.01 )  
 (87) WO2023/226713  
 (31) 202210562900.X (32) 23.05.22 (33) CN  
 (43) 30.11.2023  
 (72) HU, Mengshi; YU, Jian; GAN, Ming  
 (74) Spruson & Ferguson

(71) HUMANITAS MIRASOLE S.P.A.  
 (11) AU-A-2023274008  
 (21) 2023274008 (22) 19.05.2023  
 (54) ENHANCED CD8+ T CELLS FOR CANCER IMMUNOTHERAPY  
 (51) Int. Cl.  
     **A61K 39/00** ( 2006.01 )  
     **C12N 5/0783** ( 2010.01 )  
 (87) WO2023/222875  
 (31) 102022000010535 (32) 20.05.22 (33) IT  
 (43) 23.11.2023  
 (72) SCIRGOLEA, Caterina; LUGLI, Enrico  
 (74) FB Rice Pty Ltd

(71) HUNTER DOUGLAS, INC.  
 (11) AU-A-2023273721  
 (21) 2023273721 (22) 19.05.2023  
 (54) MOTORIZED WINDOW COVERING AND MAGNETIC CHARGING  
 (51) Int. Cl.  
     **E06B 9/322** ( 2006.01 )  
     **A47H 1/13** ( 2006.01 )  
     **E06B 9/323** ( 2006.01 )  
     **E06B 9/44** ( 2006.01 )  
     **E06B 9/50** ( 2006.01 )  
     **E06B 9/72** ( 2006.01 )  
 (87) WO2023/225271  
 (31) 63/344,485 (32) 20.05.22 (33) US  
 (43) 23.11.2023  
 (72) ANTHONY, James M.; WHITE, Christopher M.  
 (74) Spruson & Ferguson

(71) HYUNDAI STEEL COMPANY  
 (11) AU-A-2022462002  
 (21) 2022462002 (22) 28.11.2022  
 (54) ELECTRIC FURNACE  
 (51) Int. Cl.  
     **C21B 13/12** ( 2006.01 )  
     **C21B 13/14** ( 2006.01 )

**F27B 14/00** ( 2006.01 )  
**F27B 14/06** ( 2006.01 )  
**F27D 1/00** ( 2006.01 )  
 (87) WO2023/234499  
 (31) 10-2022-0068183 (32) 03.06.22 (33) KR  
 (43) 07.12.2023  
 (72) SHIN, Dae Hoon; KIM, Kyun Tae; KIM, Yong Hee; PARK, Young Joo; SONG, Woo Seok; SHIN, Myoung Cheol; EOM, June Yong; LEE, Jae Rang; LEE, Jae Min; JO, Jong Oh  
 (74) Griffith Hack

(71) IHI CORPORATION  
 (11) AU-A-2023299861  
 (21) 2023299861 (22) 20.04.2023  
 (54) CARBIDE PRODUCTION SYSTEM AND CARBIDE PRODUCTION METHOD  
 (51) Int. Cl.  
     **C10B 49/20** ( 2006.01 )  
     **C10B 47/22** ( 2006.01 )  
     **C10B 53/00** ( 2006.01 )  
 (87) WO2024/004354  
 (31) 2022-102517 (32) 27.06.22 (33) JP  
 (43) 04.01.2024  
 (72) NARISAWA Michinori  
 (74) Spruson & Ferguson

(71) ILLUMINA, INC.  
 (11) AU-A-2024212457  
 (21) 2024212457 (22) 22.01.2024  
 (54) INFERRING MICROORGANISM OF ORIGIN FOR ANTIMICROBIAL RESISTANCE MARKERS IN TARGETED METAGENOMICS  
 (51) Int. Cl.  
     **C12Q 1/6888** ( 2018.01 )  
     **C12Q 1/6806** ( 2018.01 )  
 (87) WO2024/158685  
 (31) 63/481,163 (32) 23.01.23 (33) US  
     63/508,795 16.06.23 US  
 (43) 02.08.2024  
 (72) GONZALEZ, Courtney Elaine; BROADBENT, Kate Mariel; SCHLABERG, Robert; LUONG, Khai  
 (74) Spruson & Ferguson

(71) ILLUMINA, INC.  
 (11) AU-A-2024224880  
 (21) 2024224880 (22) 12.02.2024  
 (54) DETERMINING PHARMACOGENOMICS GENE STAR ALLELES USING HIGH-THROUGHPUT TARGETED GENOTYPING  
 (51) Int. Cl.  
     **G16B 20/20** ( 2019.01 )  
     **G16B 40/30** ( 2019.01 )  
 (87) WO2024/177836  
 (31) 63/486,039 (32) 20.02.23 (33) US  
     63/606,075 04.12.23 US  
 (43) 29.08.2024  
 (72) SOMMER, Julia; LI, Yong  
 (74) Spruson & Ferguson

(71) ILLUMINA, INC.  
 (11) AU-A-2024225407

(21) 2024225407 (22) 12.02.2024  
 (54) ARRAY-BASED TARGETED COPY NUMBER DETECTION  
 (51) Int. Cl.  
     **G16B 20/10** ( 2019.01 )  
 (87) WO2024/177837  
 (31) 63/486,038 (32) 20.02.23 (33) US  
 (43) 29.08.2024  
 (72) LI, Yong; SUN, Youting; KUO, Sidney  
 (74) Spruson & Ferguson

(71) ILLUMINA, INC.  
 (11) AU-A-2024247164  
 (21) 2024247164 (22) 27.03.2024  
 (54) NAPHTHALIMIDE DYES AND USES IN NUCLEIC ACID SEQUENCING  
 (51) Int. Cl.  
     **C09B 57/08** ( 2006.01 )  
     **C12Q 1/68** ( 2018.01 )  
     **C12Q 1/6869** ( 2018.01 )  
     **G01N 21/00** ( 2006.01 )  
     **G01N 21/64** ( 2006.01 )  
 (87) WO2024/206407  
 (31) 63/492,896 (32) 29.03.23 (33) US  
 (43) 03.10.2024  
 (72) PIEKOS, Justyna; VYBORNYYI, Mykhailo; CALLINGHAM, Michael  
 (74) WRAYS PTY LTD

(71) ILLUMINA, INC.  
 (11) AU-A-2024247902  
 (21) 2024247902 (22) 27.03.2024  
 (54) COMPOSITIONS AND METHODS FOR NUCLEIC ACID SEQUENCING  
 (51) Int. Cl.  
     **C12Q 1/6869** ( 2018.01 )  
 (87) WO2024/206394  
 (31) 63/493,187 (32) 30.03.23 (33) US  
 (43) 03.10.2024  
 (72) WU, Xiaolin; GATTI LAFRANCONI, Pietro; BEECH, Timothy; BRAVIN, Carlo; MACKWORTH, Benedict; TONGUE, Thomas; BALDING, Philip  
 (74) WRAYS PTY LTD

(71) ILLUMINA, INC.  
 (11) AU-A-2024248002  
 (21) 2024248002 (22) 26.03.2024  
 (54) APPARATUS AND METHOD FOR REDUCING OXIDATION OF REAGENTS IN A REAGENT CARTRIDGE  
 (51) Int. Cl.  
     **B01L 3/00** ( 2006.01 )  
     **B01L 9/06** ( 2006.01 )  
 (87) WO2024/206266  
 (31) 63/456,074 (32) 31.03.23 (33) US  
 (43) 03.10.2024  
 (72) HUA, Zhishan; BREWER, Emerico; SIP, Christopher; MUKHERJEE, Prithvijit; PHANEUF, Christopher; POSTU, Andra; CHESNEY, Michael; RATHORE, Sanket; JENKINS, Robert; OGREY, Stephanie  
 (74) WRAYS PTY LTD

(71) ILLUMINA, INC.  
 (11) AU-A-2024249007

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- (21) 2024249007 (22) 22.03.2024  
 (54) COMPOSITIONS AND METHODS FOR DNA LIBRARY PREPARATION  
 (51) Int. Cl.  
*C12Q 1/6806* ( 2018.01 )  
*C12Q 1/6869* ( 2018.01 )  
 (87) WO2024/206116  
 (31) 63/492,109 (32) 24.03.23 (33) US  
 (43) 03.10.2024  
 (72) RICOULT, Sebastien; MORRELL, Natalie; BASUKI, Johan; GORMLEY, Niall; LEE, Claudia  
 (74) WRAYS PTY LTD
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- (71) ILLUMINA, INC.  
 (11) AU-A-2024249551  
 (21) 2024249551 (22) 21.03.2024  
 (54) NON-INVASIVE CANCER DETECTION METHODS  
 (51) Int. Cl.  
*C12Q 1/6806* ( 2018.01 )  
 (87) WO2024/206063  
 (31) 63/493,687 (32) 31.03.23 (33) US  
 (43) 03.10.2024  
 (72) GOLKARAM, Mahdi; PAPADOPOULOS, Frixos; SONG, Fan; VIJAYARAGHAVAN, Raakhee; LIU, Li; LOCOCO, Jennifer; ZHAO, Chen  
 (74) Spruson & Ferguson
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- (71) IMMUNEONCO BIOPHARMACEUTICALS (SHANGHAI) INC.  
 (11) AU-A-2023279765  
 (21) 2023279765 (22) 30.05.2023  
 (54) RECOMBINANT FUSION PROTEIN TARGETING PD-L1 AND VEGF, AND PREPARATION AND USE THEREOF  
 (51) Int. Cl.  
*C07K 19/00* ( 2006.01 )  
*A61K 38/17* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 1/16* ( 2006.01 )  
*A61P 27/02* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C12N 15/62* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
 (87) WO2023/232022  
 (31) 202210639281.X (32) 31.05.22 (33) CN  
 (43) 07.12.2023  
 (72) TIAN, Wenzhi; LI, Song; CHEN, Dianze; YANG, Chunmei; ZHU, Wenqi  
 (74) Davies Collison Cave Pty Ltd
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- (71) INCYTE CORPORATION  
 (11) AU-A-2023285109  
 (21) 2023285109 (22) 09.06.2023  
 (54) COMBINATION THERAPY COMPRISING SIRP ALPHA FUSION PROTEIN AND ANTI-CD19 ANTIBODY FOR TREATMENT OF CANCER  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 38/00* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 35/02* ( 2006.01 )  
 (87) WO2023/240228  
 (31) 63/351,117 (32) 10.06.22 (33) US
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 (43) 14.12.2023  
 (72) BRUNS, Ingmar; LINCHA, Victor, Ruberio; MEECH, Sandra, Jean; SCHUEBER, Anita; WANG, Diane, Dan; WANG, Yibo  
 (74) Houlihan Intellectual Property Pty Ltd
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- (71) INFINITY PHYSICS, LLC  
 (11) AU-A-2023286679  
 (21) 2023286679 (22) 23.06.2023  
 (54) SUPERCONDUCTING POWER DEVICES  
 (51) Int. Cl.  
*H02H 9/02* ( 2006.01 )  
*H01F 6/00* ( 2006.01 )  
*H02H 7/00* ( 2006.01 )  
*H02H 3/02* ( 2006.01 )  
 (87) WO2023/250457  
 (31) 63/366,927 (32) 24.06.22 (33) US  
 63/374,321 01.09.22 US  
 (43) 28.12.2023  
 (72) KNIERIM, Glenn Auld  
 (74) Madderns Pty Ltd
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- (71) INHIBRX BIOSCIENCES, INC.; PHYLAXIS BIOSCIENCE, LLC  
 (11) AU-A-2023255777  
 (21) 2023255777 (22) 21.04.2023  
 (54) SIGLEC-8 BINDING PROTEINS AND USES THEREOF  
 (51) Int. Cl.  
*C07K 16/18* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
 (87) WO2023/205793  
 (31) 63/333,952 (32) 22.04.22 (33) US  
 (43) 26.10.2023  
 (72) ECKLES, Andrew M.; GANO, Jacob J.; BECKLUND, Bryan; ECKELMAN, Brendan P.; YAO, Tony Dung-Ling  
 (74) FB Rice Pty Ltd
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- (71) INSITRO, INC.  
 (11) AU-A-2023295552  
 (21) 2023295552 (22) 16.06.2023  
 (54) IN SITU SEQUENCING OF RNA TRANSCRIPTS WITH NON-UNIFORM 5' ENDS  
 (51) Int. Cl.  
*C12Q 1/6869* ( 2018.01 )  
*C12Q 1/6806* ( 2018.01 )  
*C12Q 1/6841* ( 2018.01 )  
 (87) WO2023/245165  
 (31) 63/353,119 (32) 17.06.22 (33) US  
 (43) 21.12.2023  
 (72) HAO, Cynthia; SALICK, Max R.; CHU, Ci  
 (74) Madderns Pty Ltd
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- (71) INSTITUT PASTEUR DE DAKAR; BERTHET, F.X.  
 (11) AU-A-2023258659  
 (21) 2023258659 (22) 27.04.2023  
 (54) ENCODING GENETIC SEQUENCING INFORMATION AND USES THEREOF  
 (51) Int. Cl.  
*G16B 50/00* ( 2019.01 )
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- (87) WO2023/209133  
 (31) 22170387.9 (32) 27.04.22 (33) EP  
 (43) 02.11.2023  
 (72) BERTHET, François Xavier; SALL, Amadou Alpha  
 (74) Spruson & Ferguson
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- (71) INTELLIA THERAPEUTICS, INC.  
 (11) AU-A-2023293131  
 (21) 2023293131 (22) 15.06.2023  
 (54) COMPOSITIONS AND METHODS FOR REDUCING MHC CLASS I IN A CELL  
 (51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*C12N 5/0783* ( 2010.01 )  
*C12N 9/22* ( 2006.01 )  
*C12N 9/78* ( 2006.01 )  
 (87) WO2023/245108  
 (31) 63/352,991 (32) 16.06.22 (33) US  
 63/494,208 04.04.23 US  
 (43) 21.12.2023  
 (72) SCHULTES, Birgit; ZHANG, Yong; ZHANG, Boming; KILIÇ, Özgün; BALWANI, Ishina; LIU, Biao  
 (74) Davies Collison Cave Pty Ltd
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- (71) INTELLIA THERAPEUTICS, INC.  
 (11) AU-A-2023295526  
 (21) 2023295526 (22) 15.06.2023  
 (54) COMPOSITIONS AND METHODS FOR GENOMIC EDITING  
 (51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*C12N 5/0783* ( 2010.01 )  
*C12N 9/22* ( 2006.01 )  
*C12N 9/78* ( 2006.01 )  
 (87) WO2023/245109  
 (31) 63/352,990 (32) 16.06.22 (33) US  
 (43) 21.12.2023  
 (72) OLIVEIRA, Ruan; CHOI, Sung Hee; LIU, Biao; BARVE, Radhika  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) INTELLIA THERAPEUTICS, INC.  
 (11) AU-A-2023295529  
 (21) 2023295529 (22) 15.06.2023  
 (54) METHODS AND COMPOSITIONS FOR GENETICALLY MODIFYING A CELL  
 (51) Int. Cl.  
*C12N 15/10* ( 2006.01 )  
 (87) WO2023/245113  
 (31) 63/353,008 (32) 16.06.22 (33) US  
 (43) 21.12.2023  
 (72) SCHULTES, Birgit; PRODEUS, Aaron; KILIÇ, Özgün; OLIVEIRA, Ruan; DOMBROWSKI, Christian  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) INTERVET INTERNATIONAL B.V.  
 (11) AU-A-2023287469  
 (21) 2023287469 (22) 21.06.2023  
 (54) VACCINE FOR PROTECTION AGAINST LEPTOSPIRA SEROVAR AUSTRALIS  
 (51) Int. Cl.



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

- A61K 39/02** ( 2006.01 )  
**(87)** WO2023/247613  
**(31)** 22180305.9 **(32)** 22.06.22 **(33)** EP  
**(43)** 28.12.2023  
**(72)** KLAASEN, Henricus Leo Bernardus  
 Maria; HEGGE, Jorrit  
**(74)** Spruson & Ferguson
- 
- (71)** INTERVET INTERNATIONAL B.V.  
**(11)** AU-A-2023288762  
**(21)** 2023288762 **(22)** 21.06.2023  
**(54)** VACCINE FOR PROTECTION  
 AGAINST LEPTOSPIRA SEROVAR  
 GRIPPOTYPHOSA  
**(51)** Int. Cl.  
**A61K 39/02** ( 2006.01 )  
**(87)** WO2023/247619  
**(31)** 22180306.7 **(32)** 22.06.22 **(33)** EP  
**(43)** 28.12.2023  
**(72)** KLAASEN, Henricus Leo Bernardus  
 Maria; HEGGE, Jorrit  
**(74)** Spruson & Ferguson
- 
- (71)** INTERVET INTERNATIONAL B.V.  
**(11)** AU-A-2023288763  
**(21)** 2023288763 **(22)** 21.06.2023  
**(54)** VACCINE FOR PROTECTION  
 AGAINST LEPTOSPIRA SEROVAR  
 ICTERHAEMORRHAGIAE  
**(51)** Int. Cl.  
**A61K 39/02** ( 2006.01 )  
**(87)** WO2023/247622  
**(31)** 22180307.5 **(32)** 22.06.22 **(33)** EP  
**(43)** 28.12.2023  
**(72)** KLAASEN, Henricus Leo Bernardus  
 Maria; HEGGE, Jorrit  
**(74)** Spruson & Ferguson
- 
- (71)** INTUIT INC.  
**(11)** AU-A-2023299091  
**(21)** 2023299091 **(22)** 10.05.2023  
**(54)** SCALABLE THROTTLING OF RE-  
 QUESTS TO WEB SERVICES  
**(51)** Int. Cl.  
**H04L 67/60** ( 2022.01 )  
**G06F 8/656** ( 2018.01 )  
**H04L 67/1021** ( 2022.01 )  
**(87)** WO2024/005934  
**(31)** 17/851,210 **(32)** 28.06.22 **(33)** US  
**(43)** 04.01.2024  
**(72)** YADAV, Gourav; KAMATH A, Sush-  
 anth; ARUMUGAM, Dhivya; ISMAIL,  
 Mohamed Samy; ATTULURI, Anil  
 Kumar; NARAYANAN, Madhavan;  
 SARANGAPANI, Gokul; WEBB, Jason  
 Michael; LAKHANI, Karim  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** INVENTIO AG  
**(11)** AU-A-2023274262  
**(21)** 2023274262 **(22)** 02.05.2023  
**(54)** METHOD FOR MEASURING THE  
 BRAKING DISTANCE OF AN ESCAL-  
 ATOR OR A MOVING WALKWAY  
**(51)** Int. Cl.  
**B66B 31/00** ( 2006.01 )  
**(87)** WO2023/227333
- 
- (31)** 22174998.9 **(32)** 24.05.22 **(33)** EP  
**(43)** 30.11.2023  
**(72)** NESZMERAK, Wolfgang; MAKOVEC,  
 Christoph; KLEWEIN, Gerhard  
**(74)** Griffith Hack
- 
- (71)** INVOX BELGIUM NV  
**(11)** AU-A-2023313025  
**(21)** 2023313025 **(22)** 27.07.2023  
**(54)** MICROFLUIDIC DEVICES AND METH-  
 ODS OF PRODUCING  
**(51)** Int. Cl.  
**B05B 1/26** ( 2006.01 )  
**A61M 15/00** ( 2006.01 )  
**B81C 1/00** ( 2006.01 )  
**(87)** WO2024/023231  
**(31)** 22187883.8 **(32)** 29.07.22 **(33)** EP  
**(43)** 01.02.2024  
**(72)** BARTELS, Frank  
**(74)** AJ PARK
- 
- (71)** IP2IPO INNOVATIONS LIMITED  
**(11)** AU-A-2023269328  
**(21)** 2023269328 **(22)** 11.05.2023  
**(54)** GCN2 INHIBITORS  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/4375** ( 2006.01 )  
**A61K 31/472** ( 2006.01 )  
**A61P 11/06** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**(87)** WO2023/218195  
**(31)** 2206866.2 **(32)** 11.05.22 **(33)** GB  
 2214801.9 07.10.22 GB  
**(43)** 16.11.2023  
**(72)** WHITLOCK, Gavin; FUCHTER, Mat-  
 thew  
**(74)** Griffith Hack
- 
- (71)** IRBM S.P.A.; C.N.C.C.S. S.C.A.R.L.  
 COLLEZIONE NAZIONALE DEI COM-  
 POSTI CHIMICI E CENTRO SCREEN-  
 ING  
**(11)** AU-A-2023274937  
**(21)** 2023274937 **(22)** 25.05.2023  
**(54)** FLAVIVIRUS INHIBITORS  
**(51)** Int. Cl.  
**C07D 271/04** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**C07D 413/10** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**(87)** WO2023/227734  
**(31)** 22175308.0 **(32)** 25.05.22 **(33)** EP  
**(43)** 30.11.2023  
**(72)** ALLI, Cristina; BRESCIANI, Alberto;  
 DI FABIO, Romano; MONTALBETTI,  
 Christian A.G.N.; ONTORIA ONTOR-  
 IA, Jesus Maria; PAONESSA, Giacomo;  
 QUOTADAMO, Antonio; TORRENTE  
 DE HARO, Esther; BENCHEVA, Leda;  
 AMAUDRUT, Jerome; CORIO, Aless-  
 andra; FERRIGNO, Federica  
**(74)** FB Rice Pty Ltd
- 
- (71)** ISMA CONTROLLI POLAND S.A.  
**(11)** AU-A-2023289860  
**(21)** 2023289860 **(22)** 15.06.2023  
**(54)** INFRASTRUCTURE MANAGEMENT  
 SYSTEM  
**(51)** Int. Cl.  
**G05B 15/02** ( 2006.01 )  
**H04L 67/12** ( 2022.01 )  
**(87)** WO2023/248074  
**(31)** 17/808,198 **(32)** 22.06.22 **(33)** US  
**(43)** 28.12.2023  
**(72)** OZADOWICZ, Andrzej; KLATECKI,  
 Mateusz; PLOSKI, Marcin;  
 WRÓBLEWSKI, Miłosław;  
 JASTRZEBSKI, Mariusz; KAKOL,  
 Paweł; BAL, Tomasz  
**(74)** Adams Pluck
- 
- (71)** ITALFARMACO S.P.A.  
**(11)** AU-A-2023312202  
**(21)** 2023312202 **(22)** 18.07.2023  
**(54)** 1,3,4-OXADIAZOLE DERIVAT-  
 IVES AS SELECTIVE HISTONE  
 DEACETYLASE 6 INHIBITORS  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/4245** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**C07D 409/14** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
**(87)** WO2024/017897  
**(31)** 102022000015159 **(32)** 19.07.22 **(33)** IT  
**(43)** 25.01.2024  
**(72)** MARCHINI, Mattia; VERGANI, Bar-  
 bara; STEINKUHLER, Christian;  
 STEVENAZZI, Andrea; BOTTANI,  
 Michela  
**(74)** Griffith Hack
- 
- (71)** ITM ONCOLOGICS GMBH  
**(11)** AU-A-2023300045  
**(21)** 2023300045 **(22)** 22.06.2023  
**(54)** FIBROBLAST ACTIVATION PROTEIN  
 TARGETING PRECURSOR AND RA-  
 DIOTRACER  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 51/04** ( 2006.01 )  
**(87)** WO2024/002853  
**(31)** 10 2022 116 009.2 **(32)** 28.06.22 **(33)** DE  
**(43)** 04.01.2024  
**(72)** RÖSCH, Frank; MECKEL, Marian;  
 MOON, Euy Sung  
**(74)** Allens Patent & Trade Mark Attorneys
- 
- (71)** J. VAN WALRAVEN HOLDING B.V.  
**(11)** AU-A-2023283669  
**(21)** 2023283669 **(22)** 08.06.2023  
**(54)** ANCHORING ASSEMBLY, COMBINA-  
 TION OF AN ANCHORING ASSEMBLY  
 AND A STRUCTURAL ELEMENT,  
 METHOD OF MANUFACTURING AN  
 ANCHORING ASSEMBLY, METHOD  
 FOR MOUNTING AN ANCHORING  
 ASSEMBLY IN AN ELONGATE OPEN-  
 ING IN A STRUCTURAL ELEMENT  
**(51)** Int. Cl.  
**F16B 7/18** ( 2006.01 )

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

**F16B 37/04** ( 2006.01 )  
**(87)** WO2023/237664  
**(31)** 2032108 **(32)** 09.06.22 **(33)** NL  
**(43)** 14.12.2023  
**(72)** NIJDAM, Frank; JUZAK, Marek  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(71)** JANSEN AG  
**(11)** AU-A-2022477814  
**(21)** 2022477814 **(22)** 08.09.2022  
**(54)** BUILDING SHELL, IN PARTICULAR BUILDING FAÇADE OR BUILDING ROOF, HAVING MULTIPLE SURFACE ELEMENTS  
**(51)** Int. Cl.  
**E04B 1/32** ( 2006.01 )  
**E04D 3/08** ( 2006.01 )  
**(87)** WO2024/051941  
**(43)** 14.03.2024  
**(72)** TRAMONTINI, Lia Marie; MUELLER, Manuel; ZORIC, Radenko; THIEME, Sebastian  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** JANSSEN RESEARCH & DEVELOPMENT, LLC  
**(11)** AU-A-2023262684  
**(21)** 2023262684 **(22)** 19.04.2023  
**(54)** ADENO-ASSOCIATED VIRUS PACKAGING VECTORS AND METHODS OF USING THE SAME  
**(51)** Int. Cl.  
**C12N 7/04** ( 2006.01 )  
**C12N 15/864** ( 2006.01 )  
**(87)** WO2023/209499  
**(31)** 63/334,455 **(32)** 25.04.22 **(33)** US  
 63/334,468 25.04.22 US  
**(43)** 02.11.2023  
**(72)** PERRY, William  
**(74)** Spruson & Ferguson

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**(71)** JAPAN PRODUCTION & SALES COMPANY LLC  
**(11)** AU-A-2022466845  
**(21)** 2022466845 **(22)** 30.06.2022  
**(54)** SURFACE TREATMENT MEMBER AND SURFACE TREATMENT SYSTEM  
**(51)** Int. Cl.  
**B24B 29/00** ( 2006.01 )  
**(87)** WO2024/004223  
**(43)** 04.01.2024  
**(72)** YAMAZAKI, Koji  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(71)** JAPAN SCIENCE AND TECHNOLOGY AGENCY  
**(11)** AU-A-2023261525  
**(21)** 2023261525 **(22)** 07.04.2023  
**(54)** DEVICE FOR DETECTING PREDICTOR OF ABRUPT CHANGE IN SYSTEM STATE, METHOD FOR DETECTING PREDICTOR OF ABRUPT CHANGE IN SYSTEM STATE, PROGRAM FOR DETECTING PREDICTOR OF ABRUPT CHANGE IN SYSTEM STATE, CONGESTION PREDICTOR DETECTION

DEVICE, CONGESTION PREDICTOR DETECTION METHOD, CONGESTION PREDICTOR DETECTION PROGRAM, PRE-DISEASE STATE DETECTION DEVICE, PRE-DISEASE STATE DETECTION METHOD, PRE-DISEASE STATE DETECTION PROGRAM, AND RECORDING MEDIUM  
**(51)** Int. Cl.  
**G16B 20/00** ( 2019.01 )  
**G16B 25/10** ( 2019.01 )  
**G16H 50/30** ( 2018.01 )  
**(87)** WO2023/210304  
**(31)** 63/335,943 **(32)** 28.04.22 **(33)** US  
 2022-131876 22.08.22 JP  
**(43)** 02.11.2023  
**(72)** CHEN Luonan; LI Peiluan; AIHARA Kazuyuki  
**(74)** WRAYS PTY LTD

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**(71)** JAZZ PHARMACEUTICALS IRELAND LIMITED  
**(11)** AU-A-2023281216  
**(21)** 2023281216 **(22)** 01.06.2023  
**(54)** MACROCYCLIC OREXIN RECEPTOR AGONISTS AND USES THEREOF  
**(51)** Int. Cl.  
**C07D 471/20** ( 2006.01 )  
**A61K 31/438** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**C07D 498/20** ( 2006.01 )  
**C07D 513/20** ( 2006.01 )  
**(87)** WO2023/232966  
**(31)** 63/347,708 **(32)** 01.06.22 **(33)** US  
**(43)** 07.12.2023  
**(72)** BEATO, Claudia; CHOVIATIA, Prafulkumar; MARINELLI, Davide; OUVRY, Gilles; CAIN, Ricky Michael; FIORUCCI, Diego  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** JFE STEEL CORPORATION  
**(11)** AU-A-2022472678  
**(21)** 2022472678 **(22)** 01.08.2022  
**(54)** PRODUCTION METHOD FOR REDUCED IRON  
**(51)** Int. Cl.  
**C21B 13/02** ( 2006.01 )  
**C21B 13/08** ( 2006.01 )  
**(87)** WO2024/028919  
**(43)** 08.02.2024  
**(72)** FUJIWARA Shohei; TAKEHARA Kenta; HORITA Kenya; MORITA Yuya; YAMAMOTO Tetsuya; HIGUCHI Takahide; HIROSAWA Toshiyuki; IWAMI Yuji; IGAWA Daisuke  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** JFE STEEL CORPORATION  
**(11)** AU-A-2023311310  
**(21)** 2023311310 **(22)** 14.06.2023  
**(54)** COLD IRON SOURCE SOLUBILITY ESTIMATION DEVICE, COLD IRON SOURCE SOLUBILITY ESTIMATION METHOD, AND REFINING TREATMENT METHOD FOR MOLTEN IRON  
**(51)** Int. Cl.  
**C21C 5/28** ( 2006.01 )  
**C21C 5/30** ( 2006.01 )

**C22B 9/16** ( 2006.01 )  
**(87)** WO2024/018783  
**(31)** 2022-114590 **(32)** 19.07.22 **(33)** JP  
**(43)** 25.01.2024  
**(72)** HATTORI Yudai; YOKOMORI Rei; OGASAWARA Futoshi; KAWABATA Ryo; KIKUCHI Naoki  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** JIANGSU VOCATIONAL AND TECHNICAL COLLEGE OF ARCHITECTURE  
**(11)** AU-A-2023277316  
**(21)** 2023277316 **(22)** 06.01.2023  
**(54)** ENVIRONMENTALLY FRIENDLY GLASS CURTAIN WALL STRUCTURE  
**(51)** Int. Cl.  
**E04B 2/88** ( 2006.01 )  
**(87)** WO2023/226447  
**(31)** 202210562459.5 **(32)** 23.05.22 **(33)** CN  
**(43)** 30.11.2023  
**(72)** LIU, Zhijian; WANG, Junqiang; TIAN, Guohua; QI, Shujun; SUN, Wu  
**(74)** Ran Tao

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**(71)** JOHNSON & JOHNSON CONSUMER INC.  
**(11)** AU-A-2023260846  
**(21)** 2023260846 **(22)** 26.04.2023  
**(54)** TOPICAL COMPOSITIONS CONTAINING VITAMIN C  
**(51)** Int. Cl.  
**A61K 8/19** ( 2006.01 )  
**A61K 8/34** ( 2006.01 )  
**A61K 8/44** ( 2006.01 )  
**A61K 8/49** ( 2006.01 )  
**A61K 8/67** ( 2006.01 )  
**A61Q 19/02** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
**(87)** WO2023/209592  
**(31)** 63/335,884 **(32)** 28.04.22 **(33)** US  
**(43)** 02.11.2023  
**(72)** DUFORT, Marisa; GRANDE, Nathaniel; GUERRERO, Ritamarie  
**(74)** Spruson & Ferguson

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**(71)** JOHNSON & JOHNSON CONSUMER INC.  
**(11)** AU-A-2023261876  
**(21)** 2023261876 **(22)** 26.04.2023  
**(54)** TOPICAL COMPOSITIONS CONTAINING VITAMIN C  
**(51)** Int. Cl.  
**A61K 8/19** ( 2006.01 )  
**A61K 8/34** ( 2006.01 )  
**A61K 8/44** ( 2006.01 )  
**A61K 8/49** ( 2006.01 )  
**A61K 8/67** ( 2006.01 )  
**A61Q 19/02** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
**(87)** WO2023/212003  
**(31)** 63/335,875 **(32)** 28.04.22 **(33)** US  
**(43)** 02.11.2023  
**(72)** SINGH, Shailendra; WALSH, Star Marie  
**(74)** Spruson & Ferguson

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

(71) JOHNSON & JOHNSON SURGICAL VISION, INC.  
 (11) AU-A-2023262292  
 (21) 2023262292 (22) 20.04.2023  
 (54) SMART INVENTORY MANAGEMENT CABINET  
 (51) Int. Cl.  
**G06Q 10/087** ( 2023.01 )  
 (87) WO2023/209511  
 (31) 63/334,421 (32) 25.04.22 (33) US  
 17/965,555 13.10.22 US  
 (43) 02.11.2023  
 (72) KERNICK, Edward R.; PEREZ, Yase-mar  
 (74) FPA Patent Attorneys Pty Ltd

(71) JOHNSON MATTHEY PUBLIC LIMITED COMPANY  
 (11) AU-A-2023324445  
 (21) 2023324445 (22) 02.08.2023  
 (54) METHOD OF PREVENTING METAL DUSTING IN A GAS HEATED REFORMING APPARATUS  
 (51) Int. Cl.  
**C01B 3/38** ( 2006.01 )  
**B01J 19/24** ( 2006.01 )  
**C01B 3/48** ( 2006.01 )  
 (87) WO2024/033610  
 (31) 2211765.9 (32) 11.08.22 (33) GB  
 (43) 15.02.2024  
 (72) CARLSSON, Mikael; DAVIS, David; KELSEY, Roslyn; MCKENNA, Mark Joseph; RICHARDSON, Andrew Edward; SMART, Katharine; SMITH, Benjamin  
 (74) Spruson & Ferguson

(71) JPI CONSULTING  
 (11) AU-A-2023265067  
 (21) 2023265067 (22) 04.05.2023  
 (54) METHOD AND SYSTEM FOR REMOTE ROBOTIC CONTROL OF POSITIONING OF AN INSTRUMENT  
 (51) Int. Cl.  
**A61B 34/20** ( 2016.01 )  
**A61B 34/30** ( 2016.01 )  
**A61B 34/32** ( 2016.01 )  
**G06T 7/70** ( 2017.01 )  
**G06T 7/30** ( 2017.01 )  
 (87) WO2023/215446  
 (31) 63/339,042 (32) 06.05.22 (33) US  
 18/124,626 22.03.23 US  
 (43) 09.11.2023  
 (72) IANNOTTI, Joseph, P.  
 (74) Franke Hyland Pty Ltd

(71) KANAPH THERAPEUTICS INC.  
 (11) AU-A-2023273527  
 (21) 2023273527 (22) 19.05.2023  
 (54) FUSION PROTEIN COMPRISING LIGHT PROTEIN AND ANTI-FAP ANTIBODY AND USES THEREOF  
 (51) Int. Cl.  
**C07K 16/40** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/525** ( 2006.01 )  
 (87) WO2023/224429  
 (31) 10-2022-0062018 (32) 20.05.22 (33) KR

(43) 23.11.2023  
 (72) LEE, Dahea; CHANG, Jihoon; LEE, Byoung Chul  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) KATE THERAPEUTICS, INC.  
 (11) AU-A-2023276729  
 (21) 2023276729 (22) 11.05.2023  
 (54) COMPOSITIONS FOR TREATING XLMTM  
 (51) Int. Cl.  
**C07K 14/005** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 7/00** ( 2006.01 )  
 (87) WO2023/230409  
 (31) 63/345,144 (32) 24.05.22 (33) US  
 (43) 30.11.2023  
 (72) FIELDEN, Mark; TABEBORDBAR, Mohammadsharif; SESHADRI, Saurav  
 (74) Spruson & Ferguson

(71) KATHOLIEKE UNIVERSITEIT LEUVEN; BIOHAVEN THERAPEUTICS LTD.  
 (11) AU-A-2023277743  
 (21) 2023277743 (22) 25.05.2023  
 (54) NEW DERIVATIVES FOR TREATING TRPM3 MEDIATED DISORDERS  
 (51) Int. Cl.  
**A61P 25/04** ( 2006.01 )  
**A61K 31/381** ( 2006.01 )  
**A61K 31/401** ( 2006.01 )  
**A61K 31/4155** ( 2006.01 )  
**A61K 31/4166** ( 2006.01 )  
**A61K 31/4409** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**C07D 333/68** ( 2006.01 )  
**C07D 409/12** ( 2006.01 )  
**C07D 413/12** ( 2006.01 )  
**C07D 417/12** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
 (87) WO2023/227697  
 (31) 22175516.8 (32) 25.05.22 (33) EP  
 (43) 30.11.2023  
 (72) MARCHAND, Arnaud; VANHERCK, Jean-Christophe; CHALTIN, Patrick; REICH, Melanie; KRÜGER, Sebastian; KILONDA, Amuri; VOETS, Thomas; VRIENS, Joris  
 (74) AJ PARK

(71) KEMPESELL, D.; WHITE, M.  
 (11) AU-A-2023262189  
 (21) 2023262189 (22) 28.04.2023  
 (54) SADDLES  
 (51) Int. Cl.  
**B68C 1/02** ( 2006.01 )  
**B68C 1/04** ( 2006.01 )  
 (87) WO2023/209162  
 (31) 2206249.1 (32) 28.04.22 (33) GB  
 (43) 02.11.2023  
 (72) KEMPESELL, David; WHITE, Margaret  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) KERRY GROUP SERVICES INTERNATIONAL LTD.  
 (11) AU-A-2023283612  
 (21) 2023283612 (22) 26.05.2023  
 (54) IMPROVING FILTERABILITY OF LACTASE BY ADDING ANIONS SELECTED FROM MALATE, TARTRATE, CITRATE, GLUCONATE, EDTA OR COMBINATIONS THEREOF AND STERILE FILTERED LACTASE PRODUCT OBTAINED  
 (51) Int. Cl.  
**A23C 9/12** ( 2006.01 )  
**B01D 61/14** ( 2006.01 )  
**C12N 9/24** ( 2006.01 )  
**C12N 9/38** ( 2006.01 )  
**C12N 9/42** ( 2006.01 )  
**C12R 1/01** ( 2006.01 )  
**C12R 1/645** ( 2006.01 )  
 (87) WO2023/237360  
 (31) 22177449.0 (32) 07.06.22 (33) EP  
 (43) 14.12.2023  
 (72) TOSCANO, Miguel  
 (74) Spruson & Ferguson

(71) KHANANIA, S.  
 (11) AU-A-2023291130  
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 (54) COOKING SYSTEM AND VESSEL  
 (51) Int. Cl.  
**A23L 5/10** ( 2016.01 )  
**F28D 7/02** ( 2006.01 )  
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 (21) 2023293409 (22) 25.05.2023  
 (54) COOKING SYSTEM AND HEAT EXCHANGER  
 (51) Int. Cl.  
**A47J 37/12** ( 2006.01 )  
**F28D 21/00** ( 2006.01 )  
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 (31) 17/840,226 (32) 14.06.22 (33) US  
 (43) 21.12.2023  
 (72) KHANANIA, Souhel  
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 (21) 2023290433 (22) 12.06.2023  
 (54) NOVEL RAS INHIBITORS  
 (51) Int. Cl.  
**C07D 221/08** ( 2006.01 )  
**A61K 31/435** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (43) 21.12.2023  
 (72) RAJALINGAM, Krishnaraj  
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(21) 2023293888 (22) 12.06.2023  
(54) MITOXANTHRONE DERIVATIVES AS RAS INHIBITORS  
(51) Int. Cl.  
A61K 31/136 ( 2006.01 )  
A61K 31/435 ( 2006.01 )  
A61K 45/06 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
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(43) 21.12.2023  
(72) RAJALINGAM, Krishnaraj  
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(21) 2022459970 (22) 23.05.2022  
(54) A LOFTY NONWOVEN FABRIC  
(51) Int. Cl.  
D04H 3/05 ( 2006.01 )  
A61F 13/511 ( 2006.01 )  
D04H 3/007 ( 2012.01 )  
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(21) 2023258490 (22) 20.04.2023  
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A61H 31/00 ( 2006.01 )  
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(43) 02.11.2023  
(72) CHEN, Shujie; JORGENSON, Dawn Bliilie; PITTS, Conner David; GALLAGHER, Madison Kathleen; RICHARD, Christian James  
(74) FB Rice Pty Ltd
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(21) 2023308194 (22) 12.07.2023  
(54) INTELLIGENT PAN MIGRATION IN A WIRELESS MESH NETWORK TECHNICAL FIELD  
(51) Int. Cl.  
H04W 36/00 ( 2009.01 )  
H04W 36/14 ( 2009.01 )  
H04W 84/18 ( 2009.01 )  
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(72) SINGH, Shobhit Kumar; TYAGI, Anil; MITTAL, Dipanshu; GOYAL, Mudit  
(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2023309567  
(21) 2023309567 (22) 20.07.2023  
(54) METHOD OF ACQUIRING AN OPERATIONAL CERTIFICATE  
(51) Int. Cl.  
H04L 9/40 ( 2022.01 )  
H04L 9/08 ( 2006.01 )  
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(72) CORNWALL, Craig; SCHACK, August; JOHNSON, Roland  
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(21) 2023283677 (22) 03.06.2023  
(54) A METHOD FOR PRODUCING AN ALUMINOUS MATERIAL  
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C01F 7/57 ( 2022.01 )  
C01F 7/30 ( 2022.01 )  
C01F 7/441 ( 2022.01 )  
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(72) COUPERTHWAITE, Sara; MARTENS, Wayde; PEPPER, Rachel; ALEXANDER, Dominic  
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(11) AU-A-2023275895  
(21) 2023275895 (22) 22.05.2023  
(54) ARTIFICIAL IMMUNE RECEPTORS  
(51) Int. Cl.  
C07K 14/715 ( 2006.01 )  
A61K 35/17 ( 2015.01 )  
A61K 38/17 ( 2006.01 )  
A61P 37/02 ( 2006.01 )  
C12N 5/0783 ( 2010.01 )  
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(74) Dennemeyer & Associates
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(21) 2023275555 (22) 26.05.2023  
(54) INTENT-BASED IDENTITY ACCESS MANAGEMENT SYSTEMS AND METHODS  
(51) Int. Cl.  
G06F 21/60 ( 2013.01 )  
G06F 21/62 ( 2013.01 )  
H04L 9/40 ( 2022.01 )  
(87) WO2023/230591  
(31) 63/365,374 (32) 26.05.22 (33) US  
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(72) LIN, Jamie; VALLABHA, Vishal; PUGACZEWSKI, John T.; BUZZETTA, Christopher; BALANOFF, Glenn;
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(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) LEVEL 3 COMMUNICATIONS, LLC  
(11) AU-A-2023283453  
(21) 2023283453 (22) 02.06.2023  
(54) EFFICIENT PROVISIONING OF INTERNET CIRCUIT AND SECURE DOMAIN NAME SYSTEM  
(51) Int. Cl.  
H04L 41/00 ( 2022.01 )  
H04L 9/40 ( 2022.01 )  
H04L 61/4511 ( 2022.01 )  
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(31) 63/365,866 (32) 05.06.22 (33) US  
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(72) BRECL, Peter; SANFORD, David  
(74) PHILLIPS ORMONDE FITZPATRICK
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(21) 2023291023 (22) 15.06.2023  
(54) CLOTHING TREATMENT APPARATUS  
(51) Int. Cl.  
D06F 37/22 ( 2006.01 )  
D06F 31/00 ( 2006.01 )  
D06F 37/26 ( 2006.01 )  
D06F 39/00 ( 2020.01 )  
(87) WO2023/244028  
(31) 10-2022-0073556 (32) 16.06.22 (33) KR  
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(72) NAM, Hyunsu; KIM, Kihwan  
(74) FB Rice Pty Ltd
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(54) LAUNDRY TREATING APPARATUS  
(51) Int. Cl.  
D06F 37/26 ( 2006.01 )  
D06F 31/00 ( 2006.01 )  
D06F 37/42 ( 2006.01 )  
D06F 39/02 ( 2006.01 )  
D06F 39/12 ( 2006.01 )  
D06F 58/20 ( 2006.01 )  
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(72) LEE, Kilryong; CHO, Bokyoung; KWON, Yongwoo; HWANG, Inseong; YU, Hakryeol  
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(54) LAUNDRY TREATING APPARATUS  
(51) Int. Cl.  
D06F 37/26 ( 2006.01 )  
D06F 31/00 ( 2006.01 )  
D06F 39/14 ( 2006.01 )  
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(72) CHO, Jeongwoo; LEE, Jeongho  
(74) FB Rice Pty Ltd

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 (11) AU-A-2023293228  
 (21) 2023293228 (22) 15.06.2023  
 (54) APPARATUS FOR TREATING LAUNDRY  
 (51) Int. Cl.  
     D06F 34/34 (2020.01)  
     D06F 31/00 (2006.01)  
     D06F 34/08 (2020.01)  
     D06F 34/10 (2020.01)  
     D06F 34/30 (2020.01)  
     D06F 34/32 (2020.01)  
     D06F 37/26 (2006.01)  
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 (72) LEE, Kilryong; CHO, Bokyoung; KWON, Yongwoo; HWANG, Inseong; YU, Hakryeol  
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 (51) Int. Cl.  
     D06F 31/00 (2006.01)  
     D06F 37/26 (2006.01)  
     D06F 37/30 (2020.01)  
     D06F 39/00 (2020.01)  
     D06F 39/02 (2006.01)  
     D06F 39/12 (2006.01)  
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 (72) NAM, Hyunsu; LEE, Junseok  
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 (54) ELECTRICALLY OPERATED BARRIER TRANSFER MACHINE  
 (51) Int. Cl.  
     E01F 15/00 (2006.01)  
     B60P 3/40 (2006.01)  
     B65G 67/12 (2006.01)  
     E01F 13/02 (2006.01)  
     E01F 15/08 (2006.01)  
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 (31) 63/347,593 (32) 01.06.22 (33) US  
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 (43) 07.12.2023  
 (72) ARCIGA, Manuel; ELMORE, Matthew A.  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (51) Int. Cl.

H01M 4/04 (2006.01)  
 H01M 4/134 (2010.01)  
 H01M 4/1395 (2010.01)  
 H01M 4/36 (2006.01)  
 H01M 4/38 (2006.01)  
 H01M 4/66 (2006.01)  
 H01M 10/04 (2006.01)  
 H01M 10/0525 (2010.01)  
 H01M 12/08 (2006.01)  
 H01M 4/02 (2006.01)  
 H01M 4/40 (2006.01)  
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 (72) ROOZEBOOM, Freddy; UNNIKRISHNAN, Sandeep; KANDHASAMY, Sathiyaraj; ANOTHUMAKKOO, Bihag  
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(71) M2X ENERGY INC.  
 (11) AU-A-2023273035  
 (21) 2023273035 (22) 16.05.2023  
 (54) SYSTEMS, DEVICES AND METHODS FOR INTENSIFICATION OF REFORMERS AND DOWNSTREAM CHEMICAL SYNTHESIS  
 (51) Int. Cl.  
     C07C 1/06 (2006.01)  
     C01B 3/02 (2006.01)  
     C01B 3/36 (2006.01)  
     C07C 2/00 (2006.01)  
     C01B 3/38 (2006.01)  
 (87) WO2023/225532  
 (31) 63/343,087 (32) 18.05.22 (33) US  
     PCT/ 17.05.22 US  
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 (72) YELVINGTON, Paul, E.; YIK, Edwin; DEAN, John, Anthony; BROWNE, Joshua, B.  
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 (11) AU-A-2023277626  
 (21) 2023277626 (22) 24.05.2023  
 (54) FLUID TRANSFER DEVICES WITH INTEGRATED FLOW-BASED ASSAY AND METHODS OF USING THE SAME FOR IDENTIFYING SEPSIS  
 (51) Int. Cl.  
     G01N 33/53 (2006.01)  
     G01N 33/543 (2006.01)  
     G01N 33/558 (2006.01)  
 (87) WO2023/230520  
 (31) 63/345,106 (32) 24.05.22 (33) US  
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 (72) BULLINGTON, Gregory J.; IVEY, Richard M.; GOLDENBAUM, Paul E.  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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 (21) 2023265082 (22) 04.05.2023

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 (51) Int. Cl.  
     A61F 5/02 (2006.01)  
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 (87) WO2023/215518  
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 (43) 09.11.2023  
 (72) MALCOLM, Roger, J.; KIM, Daniel, B.  
 (74) Davies Collison Cave Pty Ltd

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 (21) 2023305027 (22) 06.07.2023  
 (54) APPARATUS AND METHOD FOR SORTING AND ORIENTING FOOD ITEMS  
 (51) Int. Cl.  
     A22C 17/00 (2006.01)  
     A22C 21/00 (2006.01)  
     A22C 25/04 (2006.01)  
     A22C 25/08 (2006.01)  
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 (43) 18.01.2024  
 (72) KRISTIANSEN, Henrik  
 (74) FB Rice Pty Ltd

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 (54) FERMENTED FOODS AND METHODS FOR MAKING SAME  
 (51) Int. Cl.  
     A23L 7/104 (2016.01)  
     A23J 3/22 (2006.01)  
     A23L 11/50 (2021.01)  
     A23L 13/40 (2023.01)  
     A23L 25/00 (2016.01)  
     A23L 29/212 (2016.01)  
     C12N 1/14 (2006.01)  
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 (43) 18.01.2024  
 (72) SOMMER, Morten, Otto, Alexander; MADSEN, Nikolaj, Fackler; MEGIAS, Cristina  
 (74) FPA Patent Attorneys Pty Ltd

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 (54) FENESTRATION DEVICES, SYSTEMS, AND METHODS FOR AORTIC ARCH REPAIR  
 (51) Int. Cl.  
     A61F 2/07 (2013.01)  
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 POSITE  
 (51) Int. Cl.  
**H01L 31/048** ( 2014.01 )  
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 (72) LI, Ruihua; LIN, Yafu  
 (74) Southern Cross Intellectual Property
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 (21) 2023284354 (22) 09.06.2023  
 (54) BEVERAGE DEGASSING ASSEMBLY  
 AND METHOD OF DEGASSING A  
 BEVERAGE  
 (51) Int. Cl.  
**A23L 2/76** ( 2006.01 )  
**A47J 41/02** ( 2006.01 )  
**A61J 9/00** ( 2006.01 )  
**B01D 19/00** ( 2006.01 )  
**B65D 81/20** ( 2006.01 )  
 (87) WO2023/237895  
 (31) 2208543.5 (32) 10.06.22 (33) GB  
 (43) 14.12.2023  
 (72) JERVIS, Robert Kenneth Alexander;  
 CLARK, Liam George  
 (74) IP GATEWAY PATENT & TRADE  
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 (21) 2023286054 (22) 14.06.2023  
 (54) BREAST PUMP AND BREAST PUMP  
 VALVE ASSEMBLY  
 (51) Int. Cl.  
**A61M 1/06** ( 2006.01 )  
 (87) WO2023/247929  
 (31) 2209039.3 (32) 20.06.22 (33) GB  
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 (72) GOSSINGTON, Matthew James; JER-  
 VIS, Robert Kenneth Alexander  
 (74) IP GATEWAY PATENT & TRADE  
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- (71) MEDICAL MICROINSTRUMENTS,  
 INC.  
 (11) AU-A-2023274545  
 (21) 2023274545 (22) 25.05.2023  
 (54) METHOD AND SYSTEM FOR CON-  
 TROLLING A SLAVE IN A SURGICAL  
 MASTER-SLAVE TELEOPERATION  
 ROBOTIC SYSTEM AT THE PHYS-  
 ICAL MOVEMENT LIMITS OF THE  
 SLAVE  
 (51) Int. Cl.  
**A61B 34/32** ( 2016.01 )  
**A61B 34/37** ( 2016.01 )  
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 (31) 102022000010883 (32) 25.05.22 (33) IT  
 (43) 30.11.2023  
 (72) DI GUARDO, Antonio; RUFFALDI,  
 Emanuele; TANZINI, Matteo  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) MERCK PATENT GMBH  
 (11) AU-A-2023258582  
 (21) 2023258582 (22) 26.04.2023  
 (54) A SEMI-AUTOMATIC SEGMENTA-  
 TION SYSTEM FOR PARTICLE MEAS-  
 UREMENTS FROM MICROSCOPY IM-  
 AGES  
 (51) Int. Cl.  
**G06F 18/40** ( 2023.01 )  
**G06N 3/08** ( 2023.01 )  
**G06V 20/69** ( 2022.01 )  
 (87) WO2023/208973  
 (31) 22170766.4 (32) 29.04.22 (33) EP  
 (43) 02.11.2023  
 (72) PLOETZ, Tobias  
 (74) Griffith Hack
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 (11) AU-A-2023276763  
 (21) 2023276763 (22) 25.05.2023  
 (54) SUPPLEMENTATION OF LIVER EN-  
 ZYME EXPRESSION  
 (51) Int. Cl.  
**C12N 9/22** ( 2006.01 )  
**A61K 35/407** ( 2015.01 )  
**A61K 47/42** ( 2017.01 )  
 (87) WO2023/230579  
 (31) 63/345,526 (32) 25.05.22 (33) US  
 63/359,288 08.07.22 US  
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 (43) 30.11.2023  
 (72) BROOKS, Alan; THOMAS, Brian C.  
 (74) FB Rice Pty Ltd
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 PEUTICS LIMITED  
 (11) AU-A-2023282805  
 (21) 2023282805 (22) 05.06.2023  
 (54) INHIBITORS OF BACTERIAL TYPE III  
 SECRETION SYSTEM  
 (51) Int. Cl.  
**C07D 213/64** ( 2006.01 )  
**A61K 31/4427** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
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 (31) 63/349,173 (32) 06.06.22 (33) US  
 (43) 14.12.2023  
 (72) MOIR, Donald, T.; WAIDYARACHCHI,  
 Samantha, L.; TORHAN, Matthew, C.;  
 DAYANANDAN, Narendran, G.; AD-  
 HIKARI, Sharmila; ARON, Zachary,  
 D.; NOLAN, Scott; KWASNY, Steven;  
 CARDINALE, Steven; OPPERMAN,  
 Timothy, J.; COOPER, Ian; KIRKHAM,  
 James; BUNT, Adam; BLADES, Kevin  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) MITSUBISHI HEAVY INDUSTRIES,  
 LTD.  
 (11) AU-A-2023281998  
 (21) 2023281998 (22) 03.03.2023  
 (54) MEMBRANE ELECTRODE AS-  
 SEMBLY, ELECTROLYSIS CELL,  
 ELECTROLYSIS DEVICE, AND METH-  
 OD FOR PRODUCING MEMBRANE  
 ELECTRODE ASSEMBLY  
 (51) Int. Cl.  
**C25B 9/23** ( 2021.01 )  
**C25B 1/04** ( 2021.01 )
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- C25B 9/00** ( 2021.01 )  
**C25B 9/21** ( 2021.01 )  
**C25B 9/60** ( 2021.01 )  
**C25B 9/65** ( 2021.01 )  
**C25B 9/75** ( 2021.01 )  
**C25B 9/77** ( 2021.01 )  
**C25B 11/052** ( 2021.01 )  
**C25B 11/075** ( 2021.01 )  
**C25B 11/077** ( 2021.01 )  
**C25B 11/081** ( 2021.01 )  
**C25B 11/089** ( 2021.01 )  
**C25B 13/04** ( 2021.01 )  
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 (54) PRODUCTION OF PARTS BY MOLD-  
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**B29C 35/02** ( 2006.01 )  
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**G01N 33/50** ( 2006.01 )  
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**A61K 31/455** ( 2006.01 )  
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**(74)** IP Flourish

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**(54)** NUTRITIONAL COMPOSITION FOR NEURODEGENERATION AND NEUROTRAUMA  
**(51)** Int. Cl.  
**A61K 31/14** ( 2006.01 )  
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**C07D 495/04** ( 2006.01 )  
**A61K 31/4365** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**(21)** 2023297093 **(22)** 30.06.2023  
**(54)** A PROCESS FOR PRODUCING A LIQUID TRANSPORTATION FUEL COMPONENT  
**(51)** Int. Cl.  
**C10G 3/00** ( 2006.01 )  
**B01J 8/00** ( 2006.01 )  
**C10G 2/00** ( 2006.01 )  
**C10G 45/62** ( 2006.01 )  
**C10G 45/64** ( 2006.01 )  
**C10G 45/72** ( 2006.01 )  
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**(51)** Int. Cl.  
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**C01G 23/00** ( 2006.01 )  
**B01J 19/10** ( 2006.01 )  
**B01J 19/12** ( 2006.01 )  
**B01J 23/02** ( 2006.01 )  
**B01J 35/00** ( 2006.01 )  
**B01J 37/08** ( 2006.01 )  
**B01J 37/18** ( 2006.01 )  
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A61K 6/74 ( 2020.01 )  
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H04L 43/04 ( 2022.01 )  
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H04W 24/10 ( 2009.01 )  
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A61P 35/00 ( 2006.01 )  
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(51) Int. Cl.  
A61K 47/68 ( 2017.01 )  
A61P 35/00 ( 2006.01 )  
C07K 16/28 ( 2006.01 )  
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C12N 15/113 ( 2010.01 )  
A61P 7/00 ( 2006.01 )  
A61P 7/06 ( 2006.01 )  
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*B65G 1/04* ( 2006.01 )  
*F25D 13/04* ( 2006.01 )  
*F25D 25/00* ( 2006.01 )  
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*A47J 37/06* ( 2006.01 )  
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*F25D 19/02* ( 2006.01 )  
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(11) AU-A-2023276704  
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*A61K 31/517* ( 2006.01 )  
*C07K 14/71* ( 2006.01 )  
*A61K 35/34* ( 2015.01 )  
*A61P 21/00* ( 2006.01 )
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*G16H 50/70* ( 2018.01 )
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H02S 20/10 ( 2014.01 )  
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E04C 3/30 ( 2006.01 )  
E04D 13/18 ( 2018.01 )  
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A61P 1/00 ( 2006.01 )  
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C07D 215/12 ( 2006.01 )  
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 A61K 31/5025 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
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 A61K 47/54 ( 2017.01 )  
 A61K 38/28 ( 2006.01 )  
 A61P 3/10 ( 2006.01 )  
 C07F 5/02 ( 2006.01 )  
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 C07K 7/23 ( 2006.01 )  
 A01K 61/10 ( 2017.01 )  
 A23K 10/18 ( 2016.01 )  
 A23K 20/184 ( 2016.01 )  
 A23K 50/80 ( 2016.01 )  
 C12N 1/12 ( 2006.01 )  
 C12N 15/82 ( 2006.01 )  
 C12R 1/89 ( 2006.01 )  
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 D21J 3/10 ( 2006.01 )  
 D21J 7/00 ( 2006.01 )  
 F26B 15/12 ( 2006.01 )  
 F26B 15/18 ( 2006.01 )  
 F26B 21/00 ( 2006.01 )  
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 (54) PREPARATION AND USES OF 7-AZAINDENISOQUINOLINES  
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 C07D 491/147 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
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**B66C 23/88** ( 2006.01 )  
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**B60P 1/48** ( 2006.01 )  
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**G01S 17/66** ( 2006.01 )  
**G01C 3/02** ( 2006.01 )  
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**A61F 2/02** ( 2006.01 )  
**A61M 25/10** ( 2013.01 )
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**C08J 7/04** ( 2020.01 )  
**C09D 129/04** ( 2006.01 )  
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(74) Madderns Pty Ltd
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- (71) RECKITT BENCKISER FINISH B.V.  
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(21) 2023306517 (22) 06.07.2023  
(54) DETERGENT COMPOSITIONS COMPRISING A PROTEASE ENZYME COATED WITH A DELAYED RELEASE COATING  
(51) Int. Cl.  
**C11D 1/66** ( 2006.01 )  
**C11D 3/20** ( 2006.01 )  
**C11D 3/386** ( 2006.01 )
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(74) Madderns Pty Ltd
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(21) 2023340173 (22) 04.08.2023  
(54) FRUIT AND VEGETABLE SORTING AND CONVEYING DEVICE AND FRUIT AND VEGETABLE SORTING APPARATUS  
(51) Int. Cl.  
**B07C 5/34** ( 2006.01 )  
**B07C 5/02** ( 2006.01 )  
**B07C 5/36** ( 2006.01 )  
**B65G 17/32** ( 2006.01 )  
**B65G 17/38** ( 2006.01 )  
**B65G 47/46** ( 2006.01 )
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(31) 202222434355.4 (32) 14.09.22 (33) CN  
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(72) ZHU, Er; ZHU, Yi  
(74) LAMINAR IP PTY LTD
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(21) 2023328705 (22) 16.08.2023  
(54) METHOD FOR PRODUCING SILICON CARBIDE COATED REFRACT-

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**(51)** Int. Cl.  
**C04B 35/043** ( 2006.01 )  
**C04B 35/047** ( 2006.01 )  
**C04B 35/057** ( 2006.01 )  
**C04B 35/101** ( 2006.01 )  
**C04B 35/105** ( 2006.01 )  
**C04B 35/14** ( 2006.01 )  
**C04B 35/18** ( 2006.01 )  
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**(72)** ZHAO, Danting; SCHULZE-BERGKA-MEN, Hilmar  
**(74)** Dennemeyer & Associates
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- (71)** REGENERON PHARMACEUTICALS, INC.  
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**(21)** 2023263975 **(22)** 02.05.2023  
**(54)** ANTI-INTERLEUKIN-4 RECEPTOR (IL-4R) ANTIBODY FORMULATIONS  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/34** ( 2017.01 )  
**A61K 47/18** ( 2017.01 )  
**A61K 47/26** ( 2006.01 )  
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**(43)** 09.11.2023  
**(72)** TANG, Xiaolin  
**(74)** Griffith Hack
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- (71)** REGENERON PHARMACEUTICALS, INC.  
**(11)** AU-A-2023265659  
**(21)** 2023265659 **(22)** 02.05.2023  
**(54)** METHODS FOR REDUCING LIPASE ACTIVITY  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/14** ( 2017.01 )  
**A61K 47/34** ( 2017.01 )  
**C07K 1/18** ( 2006.01 )  
**C07K 1/20** ( 2006.01 )  
**C07K 1/36** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**(21)** 2023278170 **(22)** 02.06.2023  
**(54)** INTERLEUKIN-2 PROPROTEINS AND USES THEREOF  
**(51)** Int. Cl.  
**C07K 14/55** ( 2006.01 )  
**A61K 38/20** ( 2006.01 )  
**(87)** WO2023/235848  
**(31)** 63/349,079 **(32)** 04.06.22 **(33)** US  
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**(74)** Davies Collison Cave Pty Ltd
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**(21)** 2023283812 **(22)** 06.06.2023
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- (71)** REGENERON PHARMACEUTICALS, INC.  
**(11)** AU-A-2023269134  
**(21)** 2023269134 **(22)** 09.05.2023  
**(54)** VECTORS AND METHODS FOR IN VIVO ANTIBODY PRODUCTION  
**(51)** Int. Cl.  
**C12N 5/0781** ( 2010.01 )  
**A61K 39/00** ( 2006.01 )  
**C12N 9/22** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
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**(72)** SABIN, Leah; KYRATSOUS, Christos; EDELMAN, Kurt  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** REGENERON PHARMACEUTICALS, INC.  
**(11)** AU-A-2023272836  
**(21)** 2023272836 **(22)** 15.05.2023  
**(54)** METHODS OF TREATING METASTATIC CASTRATION-RESISTANT PROSTATE CANCER WITH BISPECIFIC ANTI-PSMA X ANTI-CD3 ANTIBODIES ALONE OR IN COMBINATION WITH ANTI-PD-1 ANTIBODIES  
**(51)** Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**(74)** Griffith Hack
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**(11)** AU-A-2023278170  
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**(51)** Int. Cl.  
**C07K 14/55** ( 2006.01 )  
**A61K 38/20** ( 2006.01 )  
**(87)** WO2023/235848  
**(31)** 63/349,079 **(32)** 04.06.22 **(33)** US  
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**(43)** 07.12.2023  
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**(74)** Davies Collison Cave Pty Ltd
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- (71)** REGENERON PHARMACEUTICALS, INC.  
**(11)** AU-A-2023285191  
**(21)** 2023285191 **(22)** 05.06.2023  
**(54)** PHARMACEUTICALLY ACCEPTABLE SALT OF BENZO[C]CHROMAN COMPOUND AND POLYMORPHIC FORM
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- (54)** VIRAL PEPTIDES AND USES THERE-OF  
**(51)** Int. Cl.  
**C07K 7/00** ( 2006.01 )  
**C07K 16/08** ( 2006.01 )  
**G01N 33/569** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(87)** WO2023/240085  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(21)** 2023316646 **(22)** 28.07.2023  
**(54)** NON-HUMAN ANIMALS COMPRISING A MODIFIED TRANSFERRIN RECEPTOR LOCUS  
**(51)** Int. Cl.  
**A01K 67/027** ( 2006.01 )  
**C12N 15/85** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-A-2023283517  
**(21)** 2023283517 **(22)** 05.06.2023  
**(54)** POLYMORPH OF BENZO[C]CHROMAN COMPOUND, PREPARATION METHOD THEREFOR AND USE THEREOF  
**(51)** Int. Cl.  
**C07D 413/12** ( 2006.01 )  
**A61K 31/353** ( 2006.01 )  
**A61K 31/553** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 11/06** ( 2006.01 )  
**A61P 11/08** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
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**(72)** SUN, Longwei; HOU, Yanting; ZHU, Jiajun; YANG, Guang; HAO, Xin; LUO, Zhiyang  
**(74)** FB Rice Pty Ltd
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- (71)** REISTONE BIOPHARMA COMPANY LIMITED  
**(11)** AU-A-2023285191  
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**(54)** PHARMACEUTICALLY ACCEPTABLE SALT OF BENZO[C]CHROMAN COMPOUND AND POLYMORPHIC FORM

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

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**(51)** Int. Cl.  
**C07D 493/00** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 11/06** ( 2006.01 )  
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**(11)** AU-A-2023281765  
**(21)** 2023281765 **(22)** 25.05.2023  
**(54)** EASY MOUNTABLE WIRELESS DATA COMMUNICATION UNIT AND A SYSTEM COMPRISING IT  
**(51)** Int. Cl.  
**H04B 7/155** ( 2006.01 )  
**H01F 7/04** ( 2006.01 )  
**H05K 5/00** ( 2006.01 )  
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**(72)** MADSEN, Bo Eskerod  
**(74)** LAMINAR IP PTY LTD
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**(11)** AU-A-2023217916  
**(21)** 2023217916 **(22)** 10.02.2023  
**(54)** METHODS OF PREPARATION OF FOOD COMPOSITIONS USING NUT SHELL MATERIAL OR DRUPE ENDO-CARP AND RELATED PRODUCTS  
**(51)** Int. Cl.  
**A23L 25/00** ( 2016.01 )  
**A23L 3/005** ( 2006.01 )  
**A23L 3/26** ( 2006.01 )  
**A23L 3/30** ( 2006.01 )  
**A23L 3/3463** ( 2006.01 )  
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**(43)** 17.08.2023  
**(72)** LAUX, Roland; HÜHN, Tilo  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** REPERTOIRE IMMUNE MEDICINES, INC.  
**(11)** AU-A-2023314797  
**(21)** 2023314797 **(22)** 28.07.2023  
**(54)** T CELL EPITOPES ASSOCIATED WITH TYPE 1 DIABETES  
**(51)** Int. Cl.  
**A61K 38/03** ( 2006.01 )  
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**C07K 7/06** ( 2006.01 )  
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**(72)** RUFF, William, Edward, Jr.; PA-JEROWSKI, John  
**(74)** Pearce IP Pty Ltd
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- (71)** REVOLUTION MEDICINES, INC.  
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**(21)** 2023275778 **(22)** 25.05.2023  
**(54)** METHODS OF TREATING CANCER WITH AN MTOR INHIBITOR  
**(51)** Int. Cl.  
**A61K 31/506** ( 2006.01 )  
**A61K 31/436** ( 2006.01 )  
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**A61K 47/62** ( 2017.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(72)** BITMAN, Bojena; GUSTAFSON, W., Clay; LORENZANA, Ed; MEYEROW-ITZ, Justin, G.; YANG, Yu Chi; SINGH, Mallika; WANG, Zhengping; WANG, Zhican  
**(74)** Griffith Hack
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- (71)** RIJJIN, INC.  
**(11)** AU-A-2023289325  
**(21)** 2023289325 **(22)** 12.06.2023  
**(54)** SYSTEM AND METHOD FOR PREDICTING INDIVIDUAL PERFORMANCE IN A SPORTING ACTIVITY  
**(51)** Int. Cl.  
**A61B 5/11** ( 2006.01 )  
**A61B 5/024** ( 2006.01 )  
**A63B 24/00** ( 2006.01 )  
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**(31)** 17/808,806 **(32)** 24.06.22 **(33)** US  
**(43)** 28.12.2023  
**(72)** WALTERS, Derin  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** RISEN ENERGY CO., LTD.  
**(11)** AU-A-2022459514  
**(21)** 2022459514 **(22)** 30.09.2022  
**(54)** HETEROJUNCTION BATTERY AND PREPARATION METHOD THEREFOR  
**(51)** Int. Cl.  
**H01L 31/0224** ( 2006.01 )  
**H01L 31/0236** ( 2006.01 )  
**H01L 31/0747** ( 2012.01 )  
**H01L 31/18** ( 2006.01 )  
**H01L 31/20** ( 2006.01 )  
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**(72)** LIU, Lin; ZHAO, Feng; REN, Mingchong; YANG, Bochuan  
**(74)** Madderns Pty Ltd
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- (71)** ROHM AND HAAS COMPANY  
**(11)** AU-A-2023275410  
**(21)** 2023275410 **(22)** 15.05.2023  
**(54)** CERIUM HYDROXY CARBONATE COMPOSITION  
**(51)** Int. Cl.  
**F16B 13/00** ( 2006.01 )
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**C01G 99/00** ( 2010.01 )  
**C01F 17/20** ( 2020.01 )  
**C01F 17/247** ( 2020.01 )  
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**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd
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**(54)** LIPID NANOCARRIER VACCINE  
**(51)** Int. Cl.  
**A61K 9/107** ( 2006.01 )  
**A61K 31/7024** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/04** ( 2006.01 )  
**A61K 39/385** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/14** ( 2017.01 )  
**A61P 31/06** ( 2006.01 )  
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**(72)** SARKAR, Sampa; SONI, Sarvesh Kumar; CONN, Charlotte Elizabeth; DRUMMOND, Calum  
**(74)** FB Rice Pty Ltd
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- (71)** ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY  
**(11)** AU-A-2023287244  
**(21)** 2023287244 **(22)** 23.06.2023  
**(54)** ANTIMICROBIAL GELS  
**(51)** Int. Cl.  
**A61K 33/38** ( 2006.01 )  
**A61F 13/00** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/06** ( 2006.01 )  
**A61K 33/42** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
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**A61K 47/26** ( 2006.01 )  
**A61K 47/38** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
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**(72)** BRYANT, Saffron; ELBOURNE, Aaron; WALIA, Sumeet; AWAD, Miyah; BRYANT, Gary; GREAVES, Tamar  
**(74)** FB Rice Pty Ltd
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- (71)** RULE, J.D.  
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**(54)** HOLLOW STRUCTURE ANCHOR  
**(51)** Int. Cl.  
**F16B 13/00** ( 2006.01 )

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 (74) GLMR
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 (11) AU-A-2023283403  
 (21) 2023283403 (22) 12.05.2023  
 (54) PMU ALGORITHM  
 (51) Int. Cl.  
 G01R 19/25 ( 2006.01 )  
 G06F 17/14 ( 2006.01 )
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 (31) 63/350,030 (32) 08.06.22 (33) US  
 (43) 14.12.2023  
 (72) QUINLAN, Michael; SHARON, Yoav  
 (74) Spruson & Ferguson
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- (71) SABRE THERAPEUTICS LLC  
 (11) AU-A-2023265017  
 (21) 2023265017 (22) 28.04.2023  
 (54) POLYMORPHIC AND SALT FORMS OF THE AUTOTAXIN INHIBITOR CU-DETAXESTAT  
 (51) Int. Cl.  
 C07D 403/04 ( 2006.01 )  
 A61K 31/4155 ( 2006.01 )  
 A61P 1/16 ( 2006.01 )  
 A61P 9/10 ( 2006.01 )  
 A61P 11/00 ( 2006.01 )  
 A61P 13/12 ( 2006.01 )  
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- (87) WO2023/215196  
 (31) 63/364,065 (32) 03.05.22 (33) US  
 (43) 09.11.2023  
 (72) IBRAHIM, Prabha; LIN, Jack, Jong-Jye  
 (74) FB Rice Pty Ltd
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- (71) SAMUELSON, J.  
 (11) AU-A-2024227745  
 (21) 2024227745 (22) 17.05.2024  
 (54) NURSING COVER WITH INTEGRATED COOLING FAN  
 (51) Int. Cl.  
 A41D 1/215 ( 2018.01 )  
 F04D 25/06 ( 2006.01 )  
 F04D 25/08 ( 2006.01 )
- (87) WO2024/238985  
 (31) 18/198,455 (32) 17.05.23 (33) US  
 (43) 12.12.2024  
 (72) SAMUELSON, Jacqueline  
 (74) Griffith Hack
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- (71) SANDVIK MINING AND CONSTRUCTION OY  
 (11) AU-A-2023299937  
 (21) 2023299937 (22) 23.02.2023  
 (54) MEASURING STOPPING DISTANCE OF A WORKING MACHINE WITH AN APPARATUS  
 (51) Int. Cl.  
 G01L 5/28 ( 2006.01 )  
 B60W 30/09 ( 2012.01 )  
 B60W 40/10 ( 2012.01 )  
 G01M 17/007 ( 2006.01 )
- (87) WO2024/002528
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 (43) 04.01.2024  
 (72) RAUHALA, Riku; LEHTONEN, Jarkko  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) SANTEN PHARMACEUTICAL CO., LTD.; ONO PHARMACEUTICAL CO., LTD.  
 (11) AU-A-2023257781  
 (21) 2023257781 (22) 21.04.2023  
 (54) COMPOSITION FOR OPHTHALMIC USE CONTAINING SEPETAPROST  
 (51) Int. Cl.  
 A61K 31/558 ( 2006.01 )  
 A61K 9/08 ( 2006.01 )  
 A61K 47/02 ( 2006.01 )  
 A61K 47/10 ( 2017.01 )  
 A61K 47/12 ( 2006.01 )  
 A61K 47/18 ( 2017.01 )  
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 A61P 27/02 ( 2006.01 )  
 A61P 27/06 ( 2006.01 )
- (87) WO2023/204297  
 (31) 2022-071175 (32) 22.04.22 (33) JP  
 (43) 26.10.2023  
 (72) ENDO Yoko; NAKAYAMA Sachie; MA-SAKI Kenji; YOSHII Kenta; MAEIE Tadahiyo; TANIKAWA Seiichi  
 (74) Spruson & Ferguson
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- (71) SARTORIUS STEDIM NORTH AMERICA INC.  
 (11) AU-A-2023296825  
 (21) 2023296825 (22) 29.06.2023  
 (54) MULTIDIRECTIONAL TILTING MECHANISM AND A METHOD OF OPERATING THE SAME  
 (51) Int. Cl.  
 B60P 1/16 ( 2006.01 )  
 A61M 1/02 ( 2006.01 )  
 B62B 3/08 ( 2006.01 )  
 E05D 15/50 ( 2006.01 )
- (87) WO2024/003835  
 (31) 17/855,920 (32) 01.07.22 (33) US  
 (43) 04.01.2024  
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 (74) FPA Patent Attorneys Pty Ltd
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 (21) 2023276624 (22) 26.05.2023  
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 C09K 11/65 ( 2006.01 )  
 B01J 3/06 ( 2006.01 )  
 C01B 32/26 ( 2017.01 )
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 (72) BAO, Yahua  
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 A61P 21/00 ( 2006.01 )  
 A61K 31/7125 ( 2006.01 )  
 A61K 39/395 ( 2006.01 )  
 C07K 16/22 ( 2006.01 )  
 C12Q 1/34 ( 2006.01 )
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 (31) 63/364,188 (32) 04.05.22 (33) US  
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 (74) FB Rice Pty Ltd
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 (51) Int. Cl.  
 F16M 11/10 ( 2006.01 )  
 F16M 11/16 ( 2006.01 )  
 F16M 11/20 ( 2006.01 )  
 F16M 13/02 ( 2006.01 )  
 F21V 21/088 ( 2006.01 )
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 (54) CHILDREN'S VEHICLE WITH ROTARY STEERING AND WEIGHT-SHIFT STEERING  
 (51) Int. Cl.  
 A63C 17/01 ( 2006.01 )  
 B62D 9/00 ( 2006.01 )  
 B62K 3/00 ( 2006.01 )  
 B62K 5/08 ( 2006.01 )  
 B62K 5/10 ( 2013.01 )  
 B62K 9/02 ( 2006.01 )
- (87) WO2023/213930  
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 (72) KIRCHSCHLAGER, Robert  
 (74) Dennemeyer & Associates
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 (21) 2023258042 (22) 21.04.2023  
 (54) TWO-WAY COMMUNICATION BETWEEN HEAD-MOUNTED DISPLAY AND ELECTROANATOMIC SYSTEM  
 (51) Int. Cl.  
 G06T 19/00 ( 2011.01 )  
 G02B 27/01 ( 2006.01 )

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**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2023266889  
**(21)** 2023266889 **(22)** 12.05.2023  
**(54)** NUCLEIC ACID CONSTRUCT COMPRISING UTR AND USE THEREOF  
**(51)** Int. Cl.  
**C12N 15/50** ( 2006.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 39/215** ( 2006.01 )  
**A61K 47/24** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
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**(11)** AU-A-2023277507  
**(21)** 2023277507 **(22)** 22.05.2023  
**(54)** BRIDGE CRANE CONSTRUCTION PLATFORM  
**(51)** Int. Cl.  
**B66F 11/04** ( 2006.01 )  
**E06C 9/04** ( 2006.01 )  
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**(74)** James & Wells Intellectual Property
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**(21)** 2023260662 **(22)** 26.04.2023  
**(54)** CLOTHING ARTICLES HAVING ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE  
**(51)** Int. Cl.  
**D04B 1/16** ( 2006.01 )  
**A41B 9/00** ( 2006.01 )  
**A41B 17/00** ( 2006.01 )  
**A41C 3/00** ( 2006.01 )  
**D04B 1/14** ( 2006.01 )  
**D04B 1/24** ( 2006.01 )  
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**(21)** 2022466294 **(22)** 27.06.2022  
**(54)** DRIVING APPARATUS AND POOL CLEANING DEVICE  
**(51)** Int. Cl.  
**E04H 4/16** ( 2006.01 )  
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**(72)** HUANG, Zhicong  
**(74)** Alder IP Pty Ltd
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**(11)** AU-A-2023265900  
**(21)** 2023265900 **(22)** 05.05.2023  
**(54)** STEPWISE CHEMICAL SEPARATION METHODS AND SYSTEMS USING RESIN PACKED COLUMNS  
**(51)** Int. Cl.  
**C22B 60/02** ( 2006.01 )  
**G21F 9/12** ( 2006.01 )  
**C22B 3/24** ( 2006.01 )  
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**(31)** 17/737,737 **(32)** 05.05.22 **(33)** US  
**(43)** 09.11.2023  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-A-2023287321  
**(21)** 2023287321 **(22)** 06.06.2023  
**(54)** SENSOR, AND RAILWAY TRACK SYSTEM COMPRISING A SENSOR  
**(51)** Int. Cl.  
**B61L 1/16** ( 2006.01 )  
**H03K 17/95** ( 2006.01 )  
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**(43)** 28.12.2023  
**(72)** FREISE, Rainer  
**(74)** Spruson & Ferguson
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**(54)** ENVIRONMENTALLY FRIENDLY MORTAR COMPOSITIONS  
**(51)** Int. Cl.  
**C04B 28/02** ( 2006.01 )  
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**C04B 28/14** ( 2006.01 )  
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**(43)** 04.01.2024  
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**(11)** AU-A-2023306506  
**(21)** 2023306506 **(22)** 03.07.2023  
**(54)** CEMENTITIOUS BINDERS FOR GEOPOLYMER, GEOPOLYMERS, AND USES THEREOF  
**(51)** Int. Cl.  
**C04B 28/00** ( 2006.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 70/00** ( 2020.01 )  
**C04B 28/04** ( 2006.01 )  
**C04B 28/06** ( 2006.01 )  
**C04B 28/14** ( 2006.01 )  
**C04B 111/23** ( 2006.01 )  
**C04B 111/27** ( 2006.01 )  
**C04B 111/34** ( 2006.01 )  
**C04B 111/72** ( 2006.01 )  
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**(54)** POLYMER COMPOSITION WHICH CAN BE CURED AT ROOM TEMPERATURE AND WHICH IS MADE OF POLYALDEHYDE AND POLYCYANOACETATE  
**(51)** Int. Cl.  
**C08G 16/02** ( 2006.01 )  
**C08G 18/10** ( 2006.01 )  
**C08G 18/48** ( 2006.01 )  
**C08G 18/75** ( 2006.01 )  
**C08G 18/84** ( 2006.01 )  
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**(21)** 2023294926 **(22)** 13.06.2023  
**(54)** SYSTEMS AND METHODS FOR APPLYING LABELS TO FOOD PRODUCTS  
**(51)** Int. Cl.  
**B65C 9/18** ( 2006.01 )  
**B65C 9/26** ( 2006.01 )  
**B65C 11/00** ( 2006.01 )  
**G09F 3/10** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd
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**(21)** 2022467875 **(22)** 27.06.2022  
**(54)** AN AIRCRAFT CABIN  
**(51)** Int. Cl.  
**B64D 11/06** ( 2006.01 )  
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(21) 2023261868 (22) 25.04.2023  
(54) CHIMERIC INVASIN SYSTEM  
(51) Int. Cl.  
C07K 14/33 ( 2006.01 )  
A61K 35/74 ( 2015.01 )  
A61K 47/62 ( 2017.01 )  
A61K 47/69 ( 2017.01 )  
C12N 1/21 ( 2006.01 )  
C12N 15/63 ( 2006.01 )  
C12P 21/00 ( 2006.01 )  
C12R 1/19 ( 2006.01 )  
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Lyndsey, M.; MORA, Darcy; VIVIAN,  
Melissa  
(74) LAMINAR IP PTY LTD
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(11) AU-A-2023280991  
(21) 2023280991 (22) 30.05.2023  
(54) SYSTEM AND METHOD FOR DE-  
TERMINING LIFETIME VALUE OF  
USERS OF CLIENT APPLICATIONS  
(51) Int. Cl.  
G06Q 10/04 ( 2023.01 )  
G06Q 30/02 ( 2023.01 )  
G06Q 30/0201 ( 2023.01 )  
G06Q 30/0202 ( 2023.01 )  
G06Q 30/0207 ( 2023.01 )  
G06Q 30/0241 ( 2023.01 )  
G06Q 30/0283 ( 2023.01 )  
(87) WO2023/235712  
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(43) 07.12.2023  
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TONG, Lillian  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) SMART TOOLS PLUS, LLC  
(11) AU-A-2023321692  
(21) 2023321692 (22) 11.08.2023  
(54) METHOD AND APPARATUS FOR DE-  
TERMINING LIMB OCCLUSION  
(51) Int. Cl.  
A61B 17/135 ( 2006.01 )  
A61B 5/022 ( 2006.01 )  
A61B 17/132 ( 2006.01 )  
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Anatoli  
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SA  
(11) AU-A-2023297150  
(21) 2023297150 (22) 12.06.2023  
(54) METHODS OF ENHANCING PALAT-  
ABILITY AND/OR REDUCING SUGAR  
IN WET PET FOODS  
(51) Int. Cl.  
A23K 10/30 ( 2016.01 )  
A23K 50/45 ( 2016.01 )  
A23K 50/48 ( 2016.01 )  
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(43) 04.01.2024  
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belle  
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SA  
(11) AU-A-2023297151  
(21) 2023297151 (22) 12.06.2023  
(54) WET PET FOODS HAVING AT LEAST  
ONE OF ENHANCED PALATABILITY  
OR REDUCED SUGAR PROVIDED BY  
AT LEAST ONE OF SPINACH OR TO-  
MATO  
(51) Int. Cl.  
A23K 10/30 ( 2016.01 )  
A23K 50/45 ( 2016.01 )  
A23K 50/48 ( 2016.01 )  
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cal; BARBIER, Julie  
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(54) VALVE FOR A GAS CARTRIDGE,  
GAS CARTRIDGE FOR A WATER  
CARBONATOR, AND METHOD FOR  
FILLING SUCH A GAS CARTRIDGE  
(51) Int. Cl.  
F17C 13/04 ( 2006.01 )  
(87) WO2023/227531  
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(54) GENERATING DIGITAL MEDIA  
BASED ON BLOCKCHAIN DATA  
(51) Int. Cl.  
H04N 21/43 ( 2011.01 )  
G06Q 30/00 ( 2023.01 )  
G10H 1/00 ( 2006.01 )  
H04N 21/436 ( 2011.01 )  
H04N 21/439 ( 2011.01 )  
H04N 21/485 ( 2011.01 )  
H04N 21/835 ( 2011.01 )  
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Gregory; BELLO, Ryan, Michael;  
BUTTS, Christopher, D.  
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(11) AU-A-2023281175  
(21) 2023281175 (22) 30.05.2023  
(54) MACHINE LEARNING PREDICT-  
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SPONSE  
(51) Int. Cl.  
G16H 50/50 ( 2018.01 )  
G16H 50/70 ( 2018.01 )  
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22290045.8 11.07.22 EP  
(43) 07.12.2023  
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LINATO, Olivier; SIFFRE, Jason;  
GIDEL, Floriane  
(74) Integrated IP
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INC.  
(11) AU-A-2023265012  
(21) 2023265012 (22) 27.04.2023  
(54) MARITIME VESSEL COMMUNIC-  
ATIONS SYSTEM AND RELATED  
METHODS  
(51) Int. Cl.  
H04B 7/185 ( 2006.01 )  
(87) WO2023/215171  
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(43) 09.11.2023  
(72) JESSEE, Lucas; MCCARTHY, Kevin;  
HILL, Christopher R.  
(74) Pizzeys Patent and Trade Mark Attor-  
neys Pty Ltd
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- (71) STEALTH BIOTHERAPEUTICS INC.  
(11) AU-A-2023275681  
(21) 2023275681 (22) 26.05.2023  
(54) ADDRESSING INJECTION SITE  
REACTIONS ASSOCIATED WITH  
THE ADMINISTRATION OF ELAMI-  
PRETIDE  
(51) Int. Cl.  
G01N 1/42 ( 2006.01 )  
G01N 1/36 ( 2006.01 )  
G01N 15/14 ( 2006.01 )  
H01J 37/28 ( 2006.01 )  
H01J 49/16 ( 2006.01 )  
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(43) 30.11.2023  
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Alana W.; KROPP, Laura  
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LTD  
(11) AU-A-2022389958

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 (54) LIQUID COOLING UNIT, APPARATUS AND METHOD FOR COOLING IN-DOOR SPACES  
 (51) Int. Cl.  
*F24F 12/00* ( 2006.01 )  
*F24F 5/00* ( 2006.01 )  
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 (11) AU-A-2023268976  
 (21) 2023268976 (22) 28.04.2023  
 (54) NITRIC OXIDE PRECURSORS AND MULTI-COMPONENT COMPOSITIONS FOR FORMING THE SAME  
 (51) Int. Cl.  
*A61L 2/18* ( 2006.01 )  
*A61L 101/40* ( 2006.01 )  
 (87) WO2023/219811  
 (31) 63/341,320 (32) 12.05.22 (33) US  
 (43) 16.11.2023  
 (72) FROST, Megan Cecelia  
 (74) RnB IP
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 (11) AU-A-2023276628  
 (21) 2023276628 (22) 26.05.2023  
 (54) ALERT SYSTEM BEHAVIOR BASED ON LOCALIZATION AWARENESS  
 (51) Int. Cl.  
*A61B 34/20* ( 2016.01 )  
*A61B 17/16* ( 2006.01 )  
*A61B 34/00* ( 2016.01 )  
*A61B 34/10* ( 2016.01 )  
*A61B 90/00* ( 2016.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2023285459  
 (21) 2023285459 (22) 09.05.2023  
 (54) ELECTRODE, BATTERY CELL, AND REDOX FLOW BATTERY  
 (51) Int. Cl.  
*H01M 4/90* ( 2006.01 )  
*B01J 23/63* ( 2006.01 )  
*B01J 23/648* ( 2006.01 )  
*B01J 23/652* ( 2006.01 )  
*H01M 4/86* ( 2006.01 )  
*H01M 8/18* ( 2006.01 )  
 (87) WO2023/238577  
 (31) 2022-093332 (32) 08.06.22 (33) JP  
 (43) 14.12.2023  
 (72) NAKAISHI, Hiroyuki; MUKOBATA, Shinichirou; KANEMOTO, Kazuyuki  
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 (21) 2022467855 (22) 27.12.2022  
 (54) ISOLATED AC-DC CONVERTER, CHARGING DEVICE, AND POWER SUPPLY SYSTEM  
 (51) Int. Cl.  
*H02M 1/44* ( 2007.01 )  
*H02M 1/00* ( 2007.01 )  
*H02M 1/42* ( 2007.01 )  
*H02M 7/217* ( 2006.01 )  
*H02M 7/219* ( 2006.01 )  
 (87) WO2024/001124  
 (31) 202210743957.X (32) 28.06.22 (33) CN  
 (43) 04.01.2024  
 (72) ZHUANG, Jiakai; XU, Jun  
 (74) FB Rice Pty Ltd
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 (11) AU-A-2023364757  
 (21) 2023364757 (22) 28.04.2023  
 (54) ENERGY STORAGE SYSTEM AND SOC CORRECTION METHOD THEREFOR  
 (51) Int. Cl.  
*G01R 31/396* ( 2019.01 )  
*G01R 31/3835* ( 2019.01 )  
 (87) WO2024/082604  
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*A23L 2/00* ( 2006.01 )  
*C12G 3/021* ( 2019.01 )  
*C12G 3/04* ( 2019.01 )  
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*A23L 33/175* ( 2016.01 )  
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**A01M 7/00** ( 2006.01 )  
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**C07K 14/47** ( 2006.01 )  
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**E21C 41/28** ( 2006.01 )  
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**E21F 1/00** ( 2006.01 )
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**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
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**D21H 19/08** ( 2006.01 )  
**B32B 15/08** ( 2006.01 )  
**B32B 15/12** ( 2006.01 )  
**B32B 23/06** ( 2006.01 )  
**D21H 19/52** ( 2006.01 )  
**D21H 19/54** ( 2006.01 )  
**D21H 19/60** ( 2006.01 )  
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**C02F 1/32** ( 2023.01 )  
**A62D 3/37** ( 2007.01 )  
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**C07C 51/377** ( 2006.01 )  
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**A61P 1/00** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )
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**A61B 17/34** ( 2006.01 )  
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**C07H 15/203** ( 2006.01 )  
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**B07C 3/12** ( 2006.01 )  
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**B65G 1/02** ( 2006.01 )  
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 A63H 5/00 ( 2006.01 )  
 A63H 3/28 ( 2006.01 )  
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 (51) Int. Cl.  
 C25B 11/056 ( 2021.01 )  
 C25B 1/04 ( 2021.01 )  
 C25B 9/00 ( 2021.01 )  
 C25B 9/23 ( 2021.01 )  
 C25B 11/065 ( 2021.01 )  
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 C01B 3/02 ( 2006.01 )  
 C01B 3/12 ( 2006.01 )  
 C07C 29/151 ( 2006.01 )  
 C07C 31/04 ( 2006.01 )  
 C25B 1/04 ( 2021.01 )  
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 (74) Griffith Hack
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 C10G 1/10 ( 2006.01 )  
 C10B 53/07 ( 2006.01 )  
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 C10G 45/36 ( 2006.01 )  
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 B01J 8/02 ( 2006.01 )  
 B01J 8/06 ( 2006.01 )
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 C07C 29/151 ( 2006.01 )  
 C01B 3/12 ( 2006.01 )  
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 C10G 1/00 ( 2006.01 )  
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 C10G 69/02 ( 2006.01 )  
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 C25B 1/042 ( 2021.01 )  
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 (51) Int. Cl.  
 C10G 3/00 ( 2006.01 )  
 C01B 3/12 ( 2006.01 )  
 C01B 3/38 ( 2006.01 )  
 C07C 1/20 ( 2006.01 )  
 C07C 29/151 ( 2006.01 )  
 C10G 1/00 ( 2006.01 )  
 C10G 45/58 ( 2006.01 )  
 C10G 47/00 ( 2006.01 )  
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 C10G 69/06 ( 2006.01 )  
 C10K 3/02 ( 2006.01 )  
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 (51) Int. Cl.  
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 (54) SOE PLANT AND PROCESS FOR PERFORMING SOLID OXIDE ELECTROLYSIS  
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 C25B 1/04 ( 2021.01 )  
 B01D 53/04 ( 2006.01 )  
 C25B 1/042 ( 2021.01 )  
 C25B 3/26 ( 2021.01 )  
 C25B 15/021 ( 2021.01 )  
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 (21) 2023306489 (22) 22.06.2023  
 (54) WATER TREATMENT SYSTEM FOR PRODUCING OXYGEN DEPLETED, DRIED STEAM AND PROCESS FOR PRODUCING IT  
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 B01D 3/36 ( 2006.01 )  
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 C02F 1/04 ( 2023.01 )  
 C02F 1/20 ( 2023.01 )  
 C02F 1/42 ( 2023.01 )  
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 (51) Int. Cl.  
*C25B 13/08* ( 2006.01 )  
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*C25B 9/00* ( 2021.01 )  
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 (72) IKAMI Takaya; MINAMIBAYASHI Kenta; KUNITA Tomoyuki; MATSUI Kazuma; IZUHARA Daisuke  
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*B61L 15/00* ( 2006.01 )  
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 (54) WATER-SOLUBLE CANNABINOID PRODRUGS COMPOSITIONS AND METHODS OF SYNTHESIZING THE SAME  
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*A61K 31/27* ( 2006.01 )  
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*C07D 209/52* ( 2006.01 )  
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*C07C 311/02* ( 2006.01 )  
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 (54) MANUFACTURING VIRAL PARTICLES  
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*C12N 5/078* ( 2010.01 )  
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 (54) STRUCTURES WITH CIRCUMFERENTIALLY-EXTENDING DENSIFIED FIBROUS PLANT MATERIALS, AND SYSTEMS AND METHODS FOR FABRICATION AND USE THEREOF  
 (51) Int. Cl.  
**B27D 1/08** ( 2006.01 )  
**B32B 21/04** ( 2006.01 )  
**C08L 97/02** ( 2006.01 )  
 B27K 5/06 ( 2006.01 )  
 B27N 3/08 ( 2006.01 )  
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 (54) PROTECTING OLIGONUCLEOTIDES FOR CRISPR GUIDE RNA  
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 (54) SIGNAL FRIENDLY METALLIC SURFACES  
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**C23C 14/58** ( 2006.01 )  
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**C03C 17/36** ( 2006.01 )  
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 (54) IMPLANTABLE MEDICAL DEVICE  
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**A61F 2/26** ( 2006.01 )  
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 (54) METHOD FOR ESTIMATING A VALUE REPRESENTATIVE OF A FLUID PRESSURE IN AN INFLATABLE ELEMENT OF AN IMPLANTABLE MEDICAL DEVICE  
 (51) Int. Cl.  
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 (72) COLEMAN, James, E.; HEALY, John, P.  
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- (71) VERTEX PHARMACEUTICALS INCORPORATED  
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 (21) 2023284940 (22) 06.06.2023  
 (54) MACROENCAPSULATION DEVICES  
 (51) Int. Cl.  
**A61F 2/02** ( 2006.01 )  
**A61K 35/12** ( 2015.01 )  
**C12M 1/12** ( 2006.01 )  
**C12M 3/00** ( 2006.01 )  
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 (72) THANOS, Christopher; BILLINGS, Megan; WATSON, Matthew  
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 (21) 2023267677 (22) 12.05.2023  
 (54) METHOD AND SYSTEM FOR QUANTIFICATION OF SEVERITY OF A LUNG DISEASE  
 (51) Int. Cl.  
**G06T 7/00** ( 2017.01 )  
**A61B 5/055** ( 2006.01 )  
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**A61B 8/08** ( 2006.01 )  
**G06T 7/11** ( 2017.01 )  
**G06T 11/00** ( 2006.01 )  
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- (71) VIIV HEALTHCARE COMPANY; THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL  
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 (54) PIPERAZINE DERIVATIVES USEFUL IN HIV THERAPY  
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<b>A61P 31/18</b> ( 2006.01 ) <b>A61P 35/00</b> ( 2006.01 ) <b>C07D 471/04</b> ( 2006.01 )	STANDLEY, Stephany Michelle; KAN-DASAMY, Pachamuthu; VARGESE, Chandra	17/819,005 <b>(43)</b> 02.11.2023 <b>(72)</b> WHITESIDE, Andrew David <b>(74)</b> Madderns Pty Ltd	11.08.22 US
<b>(87)</b> WO2023/230541 <b>(31)</b> 63/346,362 <b>(43)</b> 30.11.2023 <b>(72)</b> AQUINO, Christopher, J.; SUH, Junghyun, Lee; DUNHAM, Richard, M. <b>(74)</b> Davies Collison Cave Pty Ltd	<b>(74)</b> Griffith Hack		
<b>(71)</b> VOLZ SURGICAL CONSULTING INC. <b>(11)</b> AU-A-2023277205 <b>(21)</b> 2023277205 <b>(54)</b> SYSTEMS AND METHODS FOR MAINTAINING PATIENT POSITION <b>(51)</b> Int. Cl. <b>A61G 13/02</b> ( 2006.01 ) <b>A61G 13/00</b> ( 2006.01 )	<b>(71)</b> WEATHERFORD TECHNOLOGY HOLDINGS, LLC <b>(11)</b> AU-A-2023302132 <b>(21)</b> 2023302132 <b>(54)</b> SPIDER LOAD INDICATOR <b>(51)</b> Int. Cl. <b>E21B 19/10</b> ( 2006.01 )	<b>(22)</b> 27.05.2023 <b>(33)</b> US <b>(22)</b> 06.06.2023 <b>(32)</b> 06.07.22 <b>(33)</b> US	
<b>(87)</b> WO2023/229907 <b>(31)</b> 17/827,098 <b>(43)</b> 30.11.2023 <b>(72)</b> VOLZ, Lawrence T.; TRONESS, Adam; THOMPSON II, Richard A.; WILSON, Jacob; SMITH, Ryan Lawrence <b>(74)</b> RnB IP Pty Ltd	<b>(87)</b> WO2024/009156 <b>(31)</b> 17/858,941 <b>(43)</b> 11.01.2024 <b>(72)</b> LIESS, Martin; ZIMBELMANN, Georg <b>(74)</b> WRAYS PTY LTD		
<b>(71)</b> WATANABE OYSTER LABORATORY, CO., LTD. <b>(11)</b> AU-A-2023278543 <b>(21)</b> 2023278543 <b>(54)</b> AGENT FOR PROMOTING DECREASE IN 8-OHDG CONCENTRATION, AGENT FOR PROMOTING DECREASE IN MALONDIALDEHYDE (MDA) CONCENTRATION, AGENT FOR PROMOTING INCREASE IN ZIP4 CONCENTRATION, OR AGENT FOR PROMOTING INCREASE IN SERUM ZINC CONCENTRATION IN JEJUNUM <b>(51)</b> Int. Cl. <b>A61K 31/085</b> ( 2006.01 ) <b>A23L 33/10</b> ( 2016.01 ) <b>A61K 35/618</b> ( 2015.01 ) <b>A61P 1/00</b> ( 2006.01 ) <b>A61P 39/02</b> ( 2006.01 ) <b>A61P 39/06</b> ( 2006.01 ) <b>A61P 43/00</b> ( 2006.01 )	<b>(71)</b> WELLTEC MANUFACTURING CENTER COMPLETIONS APS <b>(11)</b> AU-A-2023268581 <b>(21)</b> 2023268581 <b>(54)</b> DOWNHOLE SEALING ASSEMBLY <b>(51)</b> Int. Cl. <b>E21B 33/12</b> ( 2006.01 )	<b>(32)</b> 27.05.22 <b>(33)</b> US <b>(32)</b> 12.05.22 <b>(33)</b> EP <b>(43)</b> 16.11.2023 <b>(72)</b> REVES VASQUES, Ricardo <b>(74)</b> GLMR	
<b>(87)</b> WO2023/233820 <b>(31)</b> 2022-090145 <b>(43)</b> 07.12.2023 <b>(72)</b> WATANABE Mitsugu; WATANABE Hideaki <b>(74)</b> Spruson & Ferguson	<b>(71)</b> WEST VIRGINIA UNIVERSITY BOARD OF GOVERNORS ON BEHALF OF WEST VIRGINIA UNIVERSITY <b>(11)</b> AU-A-2023264065 <b>(21)</b> 2023264065 <b>(54)</b> SCREENING, MONITORING, AND TREATMENT FRAMEWORK FOR FOCUSED ULTRASOUND <b>(51)</b> Int. Cl. <b>A61N 7/00</b> ( 2006.01 ) <b>G16H 50/30</b> ( 2018.01 )	<b>(32)</b> 12.05.22 <b>(33)</b> EP <b>(22)</b> 01.05.2023 <b>(32)</b> 01.05.22 <b>(33)</b> US 03.06.22 US 27.07.22 US 25.08.22 US 27.12.22 US	
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<b>(87)</b> WO2023/220440 <b>(31)</b> 63/341,407 <b>(43)</b> 16.11.2023 <b>(72)</b> SHIVALILA, Chikdu Shakti; LU, Genliang; HARDING, Ian Chandler; GODFREY, Jack David; PU, Tom Liantang;	<b>(71)</b> WHITESIDE, A.D. <b>(11)</b> AU-A-2023260868 <b>(21)</b> 2023260868 <b>(54)</b> RECYCLABLE SHIPPING PACK AND METHOD OF AND APPARATUS FOR FORMING A SHIPPING PACK FOR LOOSE-FILL PRODUCE <b>(51)</b> Int. Cl. <b>B65D 75/52</b> ( 2006.01 ) <b>B65D 77/06</b> ( 2006.01 )	<b>(22)</b> 12.05.2023 <b>(33)</b> US <b>(22)</b> 28.04.2023 <b>(32)</b> 28.04.22 <b>(33)</b> GB	
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	<b>(71)</b> WINBO-DONGJIAN AUTOMOTIVE TECHNOLOGY CO.,LTD. <b>(11)</b> AU-A-2024259737 <b>(21)</b> 2024259737 <b>(54)</b> PEDAL SYSTEM, MOTOR DEVICE, AND CONTROL METHOD FOR PEDAL <b>(51)</b> Int. Cl. <b>B60R 3/02</b> ( 2006.01 )	<b>(22)</b> 27.06.2024 <b>(32)</b> 25.05.23 <b>(33)</b> CN 11.07.23 CN 12.12.2024	
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- (87) WO2024/130968  
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(72) ZHANG, Fan; XIA, Yanhua; REN, An-  
chao; WANG, Yanlin; JIA, Wanjun  
(74) Madderns Pty Ltd
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- (71) XIZANG HAISCO PHARMACEUTICAL  
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(11) AU-A-2023275808  
(21) 2023275808 (22) 25.05.2023  
(54) BICYCLIC DERIVATIVE PARP INHIB-  
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- (51) Int. Cl.  
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- (43) 30.11.2023  
(72) LI, Yao; CHEN, Lei; ZHANG, Haoli-  
ang; KANG, Peng; FU, Chao; GUI,  
Naicheng; TANG, Pingming; ZHANG,  
Chen; YAN, Pangke  
(74) PHILLIPS ORMONDE FITZPATRICK
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- (71) YETI COOLERS, LLC  
(11) AU-A-2023283819  
(21) 2023283819 (22) 07.06.2023  
(54) CONTAINER WITH HANDLE AND  
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- (51) Int. Cl.  
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- (87) WO2023/240119  
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(43) 14.12.2023  
(72) MILLER, Mark D.; LOMBARDI, Nich-  
olas James; SCOTT, Steven M.;  
RUCHTE, Elizabeth; WINTERHALTER,  
Andrew J.; MORRIS, Liza  
(74) GLMR
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- (71) YOPI; CEVA SANTE ANIMALE  
(11) AU-A-2023274377  
(21) 2023274377 (22) 23.05.2023  
(54) BAG OF WET PET FOOD
- (51) Int. Cl.  
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- (87) WO2023/227638  
(31) FR2204927 (32) 23.05.22 (33) FR  
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(72) CARON, Pierre; POCHET, Yoan  
(74) Spruson & Ferguson
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- (71) YOPI; CEVA SANTE ANIMALE  
(11) AU-A-2023277733  
(21) 2023277733 (22) 23.05.2023  
(54) DEVICE FOR DISPENSING ANIMAL  
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- (51) Int. Cl.  
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(43) 30.11.2023  
(72) CARON, Pierre; POCHET, Yoan  
(74) Spruson & Ferguson
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- (71) ZAMBON S.P.A.  
(11) AU-A-2023274384  
(21) 2023274384 (22) 24.05.2023  
(54) ANTIMICROBIAL ASSOCIATION  
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- (51) Int. Cl.  
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(31) 22175847.7 (32) 27.05.22 (33) EP  
(43) 30.11.2023  
(72) ROSSOLINI, Gian Maria; VALZANO,  
Felice; BONCOMPAGNI, Selene Re-  
becca; MICIELI, Maria; VAILATI, Silvia  
(74) Griffith Hack
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- (71) ZENTRALINSTITUT FÜR SEELISCHE  
GESUNDHEIT  
(11) AU-A-2023285343  
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(54) DIGITAL MENTAL TWIN
- (51) Int. Cl.  
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(43) 14.12.2023  
(72) MEYER-LINDENBERG, Andreas  
(74) Eagar & Associates Pty Ltd
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- (71) ZHENGZHOU NON-FERROUS  
METALS RESEARCH INSTITUTE  
CO.LTD OF CHALCO  
(11) AU-A-2024220207  
(21) 2024220207 (22) 05.03.2024  
(54) METHOD FOR RECOVERING LITHI-  
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IS WASTE CATHODE
- (51) Int. Cl.  
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**C01D 15/08** ( 2006.01 )  
**C22B 3/22** ( 2006.01 )  
**H01M 10/54** ( 2006.01 )
- (31) 202310614036.8 (32) 25.05.23 (33) CN  
(43) 12.12.2024  
(72) CHEN, Kaibin; SHI, Zhirong; DU, Ting-  
ting; LIU, Jianjun; LI, Ruonan; LUO,  
Zhongsheng; SUN, Lizhen; WU, Jian-  
wei; JING, Quanhai  
(74) Remarkable IP
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- (71) ZOETIS SERVICES LLC  
(11) AU-A-2023289332  
(21) 2023289332 (22) 16.06.2023  
(54) CANINE ANTIBODY MUTANTS
- (51) Int. Cl.  
**C07K 16/22** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C07K 16/24** ( 2006.01 )
- (87) WO2023/250284  
(31) 63/354,039 (32) 21.06.22 (33) US  
(43) 28.12.2023  
(72) BERGERON, Lisa Marie; CAMPOS,  
Henry Luis; SHANBHOGUE, Prajna  
(74) Davies Collison Cave Pty Ltd
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- (71) ZTE CORPORATION  
(11) AU-A-2023297179  
(21) 2023297179 (22) 13.01.2023  
(54) HEAT SINK AND COMMUNICATION  
DEVICE
- (51) Int. Cl.  
**H05K 7/20** ( 2006.01 )
- (87) WO2024/001162  
(31) 202210736640.3 (32) 27.06.22 (33) CN  
(43) 04.01.2024  
(72) DUAN, Kaiwen; NIE, Zhidong; LIU, Xin;  
WANG, Yan; CHEN, Xiaoxue; LIU, Fan;  
LI, Shuai  
(74) Davies Collison Cave Pty Ltd

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2023272483	PROTOMER TECHNOLOGIES INC.	2023277213	NEWSOUTH INNOVATIONS PTY LIMITED
2023272490	UMOJA BIOPHARMA, INC.	2023277215	GRIFFITH UNIVERSITY
2023272836	REGENERON PHARMACEUTICALS, INC.	2023277288	PLECO THERAPEUTICS B.V.
2023273035	M2X ENERGY INC.	2023277316	JIANGSU VOCATIONAL AND TECHNICAL COLLEGE OF ARCHITECTURE
2023273527	KANAPH THERAPEUTICS INC.	2023277367	CATERPILLAR INC.
2023273544	ASPECT BIOSYSTEMS LTD.	2023277507	SHANGHAI ZHENHUA HEAVY INDUSTRIES CO., LTD.
2023273610	GENERAL MILLS, INC.	2023277626	MAGNOLIA MEDICAL TECHNOLOGIES, INC.
2023273622	UNIVERSITY OF MARYLAND, COLLEGE PARK	2023277642	THE BOARD OF TRUSTEES OF THE UNIVERSITIES OF ILLINOIS
2023273721	HUNTER DOUGLAS, INC.	2023277732	PHYTOFORM LABS LTD.
2023273734	NOVARTIS AG; LES LABORATOIRES SERVIER	2023277733	YOPI; CEVA SANTE ANIMALE
2023274008	HUMANITAS MIRASOLE S.P.A.	2023277743	KATHOLIEKE UNIVERSITEIT LEUVEN; BIOHAVEN THERAPEUTICS LTD.
2023274262	INVENTIO AG	2023278170	REGENERON PHARMACEUTICALS, INC.
2023274298	MONASH UNIVERSITY; ALFRED HEALTH	2023278315	CSPC MEGALITH BIOPHARMACEUTICAL CO., LTD.
2023274377	YOPI; CEVA SANTE ANIMALE	2023278382	TIANJIN HEMAY ONCOLOGY PHARMACEUTICAL CO., LTD
2023274384	ZAMBON S.P.A.	2023278388	BYD COMPANY LIMITED
2023274387	DUTCHFIETS B.V.	2023278445	MOMENTIVE PERFORMANCE MATERIALS GMBH
2023274393	TONIES GMBH	2023278530	DAIFUKU CO., LTD.
2023274540	DAIICHI SANKYO COMPANY, LIMITED	2023278543	WATANABE OYSTER LABORATORY, CO., LTD.
2023274545	MEDICAL MICROINSTRUMENTS, INC.	2023278664	PEPTIDREAM INC.
2023274784	HANGZHOU SCIWIND BIOSCIENCES CO., LTD.; SCIWIND BIOSCIENCES (BEIJING) CO., LTD.	2023278710	NEURACLE GENETICS INC.
2023274907	TRUATA LIMITED	2023278734	AAK AB (PUBL)
2023274934	TONIES GMBH	2023278790	FORENSIC TECHNOLOGY (CANADA) INC.
2023274937	IRBM S.P.A.; C.N.C.C.S. S.C.A.R.L. COLLEZIONE NAZIONALE DEI COMPOSTI CHIMICI E CENTRO SCREENING	2023278907	FENWAL, INC.
2023275410	ROHM AND HAAS COMPANY	2023278978	DENTSPLY DETREY GMBH; DENTSPLY SIRONA INC.
2023275446	ALBEMARLE CORPORATION	2023279105	BIGFOOT BIOMEDICAL, INC.
2023275464	ABIOMED, INC.	2023279211	ELISA OYJ
2023275477	HAPTECH, INC.	2023279223	ADORX THERAPEUTICS LIMITED
2023275493	ELEMENT BIOSCIENCES, INC.	2023279414	SUNTORY HOLDINGS LIMITED
2023275545	VIIV HEALTHCARE COMPANY; THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	2023279503	ALGAE INTERNATIONAL BHD
2023275555	LEVEL 3 COMMUNICATIONS, LLC	2023279635	NOAH MEDICAL CORPORATION
2023275681	STEALTH BIOTHERAPEUTICS INC.	2023279707	OYSTER POINT PHARMA, INC.
2023275689	MAVERICKS ENDO, INC.	2023279731	LINDSAY TRANSPORTATION SOLUTIONS, LLC
2023275705	OURA HEALTH OY	2023279733	ELANCO US INC.
2023275712	BOUNDLESS BIO, INC.	2023279735	BWXT ISOTOPE TECHNOLOGY GROUP, INC.
2023275720	ATLAS COPCO (WUXI) COMPRESSOR CO., LTD	2023279765	IMMUNEONCO BIOPHARMACEUTICALS (SHANGHAI) INC.
2023275778	REVOLUTION MEDICINES, INC.	2023279886	SYNBIOTEC S.R.L.
2023275779	ENLAZA THERAPEUTICS, INC.	2023279908	GESSI S.P.A.
2023275808	XIZANG HAISCO PHARMACEUTICAL CO., LTD.	2023280002	SUNTORY HOLDINGS LIMITED
2023275810	ANTENGENE BIOLOGICS LIMITED		
2023275873	ELAUT N.V.		
2023275895	LEIBNIZ-INSTITUT FÜR IMMUNOTHERAPIE (LIT); UNIVERSITÄT REGENSBURG		

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2023280060	UNIVERSITY OF SOUTH AUSTRALIA; MALAYSIA AUTOMOTIVE ROBOTICS AND IOT INSTITUTE	2023285691	AVALARA, INC.
2023280069	EVERBOND INTERFACE TECHNOLOGIES, INC.	2023286054	MAYBORN (UK) LIMITED
2023280227	NANOPHARMACEUTICS, INC.	2023286592	RAZMODICS LLC
2023280314	TRAIT BIOSCIENCES, INC.	2023286673	FLAGSHIP PIONEERING INNOVATIONS V, INC.;
2023280417	CYTOAGENTS, INC.		ACUITAS THERAPEUTICS, INC.
2023280475	THE REGENTS OF THE UNIVERSITY OF MICHIGAN	2023286679	INFINITY PHYSICS, LLC
2023280624	HARVEST B PTY LTD	2023286836	TOPSOE A/S
2023280625	UNIVERSITY OF SOUTH AUSTRALIA; MALAYSIA AUTOMOTIVE ROBOTICS AND IOT INSTITUTE	2023286840	PETMEDIX LTD.
		2023287208	ALAR PHARMACEUTICALS INC.
2023280902	BWXT ISOTOPE TECHNOLOGY GROUP, INC.	2023287243	DIGGA AUSTRALIA PTY LTD
2023280991	SKILLZ PLATFORM INC.	2023287244	ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY
2023280994	CORNELL UNIVERSITY	2023287321	SIEMENS MOBILITY GMBH
2023281065	BIGFOOT BIOMEDICAL, INC.	2023287352	PARENCHYMA BIOTECH INC.
2023281175	SOPHIA GENETICS SA	2023287380	TOPSOE A/S
2023281205	ONCOPEPTIDES INNOVATION 1 AB	2023287406	CLIMEWORKS AG
2023281216	JAZZ PHARMACEUTICALS IRELAND LIMITED	2023287444	FLINDR THERAPEUTICS B.V.
2023281249	OXFORD UNIVERSITY INNOVATION LIMITED	2023287469	INTERVET INTERNATIONAL B.V.
2023281538	APPLIED IMPACT ROBOTICS, INC	2023287536	FAABORG PHARMA - IP APS
2023281675	DOMETIC SWEDEN AB; DOMETIC (ZHUHAI) TECHNOLOGY CO., LTD.	2023287673	DRAFT TOP, INC.
		2023287840	GC CORPORATION
2023281765	REMONI A/S	2023287932	AKESO BIOPHARMA, INC
2023281888	HANSMANN, G.	2023288053	PROVCTUS ALGAE PTY LTD
2023281912	BOEHRINGER INGELHEIM INTERNATIONAL GMBH	2023288119	COOPERVISION INTERNATIONAL LIMITED
2023281927	FRONTIER THERAPEUTICS LIMITED	2023288304	CANON KABUSHIKI KAISHA
2023281959	E80 GROUP S.P.A.	2023288428	EDWARDS LIFESCIENCES CORPORATION
2023281998	MINITUBISHI HEAVY INDUSTRIES, LTD.	2023288436	EDWARDS LIFESCIENCES CORPORATION
2023282119	QUANTUM BODIES IP PTY LTD	2023288584	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2023282120	TIMCO1 PTY LTD		
2023282535	PELLENC	2023288607	B. BRAUN SURGICAL S.A.
2023282805	MICROBIOTIX, INC.; INFEX THERAPEUTICS LIMITED	2023288640	CYTIVA BIOPROCESS R&D AB
		2023288675	NOKIA TECHNOLOGIES OY
2023282842	AVALARA, INC.	2023288682	TOPSOE A/S
2023283016	UROMEMS	2023288762	INTERVET INTERNATIONAL B.V.
2023283044	AGRICARBON UK LIMITED	2023288763	INTERVET INTERNATIONAL B.V.
2023283263	BANDICOOT IMAGING SCIENCES PTY LTD	2023288799	TOPSOE A/S
2023283267	ACTINOGEN MEDICAL LIMITED	2023288807	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.
2023283306	AMAI, LLC	2023288906	NOVO NORDISK A/S; DICERNA PHARMACEUTICALS INC.
2023283326	ABIOMED, INC.		
2023283389	BATTELLE MEMORIAL INSTITUTE	2023288943	PULPEX LIMITED
2023283390	EARLITEC DIAGNOSTICS, INC.	2023289034	HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD
2023283403	S&C ELECTRIC COMPANY		
2023283453	LEVEL 3 COMMUNICATIONS, LLC	2023289325	RIJJIN, INC.
2023283457	CENTURYLINK INTELLECTUAL PROPERTY LLC	2023289332	ZOETIS SERVICES LLC
2023283488	PERIOTECH, LLC	2023289652	APNIMED, INC. (DELAWARE)
2023283517	REISTONE BIOPHARMA COMPANY LIMITED	2023289653	ELI LILLY AND COMPANY
2023283612	KERRY GROUP SERVICES INTERNATIONAL LTD.	2023289860	ISMA CONTROLLI POLAND S.A.
2023283667	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	2023290014	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2023283669	J. VAN WALRAVEN HOLDING B.V.	2023290273	PURDUE RESEARCH FOUNDATION
2023283677	LAVA BLUE LTD	2023290433	KHR BIOTEC GMBH
2023283718	GILEAD SCIENCES, INC.	2023290529	ARGENX BV
2023283727	ONKURE, INC.	2023290533	ARGENX BV
2023283749	AVALARA, INC.	2023290674	ELANCO TIERGESUNDHEIT AG
2023283812	REGENERON PHARMACEUTICALS, INC.	2023291023	LG ELECTRONICS INC.
2023283819	YETI COOLERS, LLC	2023291025	LG ELECTRONICS INC.
2023284122	GRIPPLE LIMITED	2023291130	KHANANIA, S.
2023284354	MAYBORN (UK) LIMITED	2023291641	UCB BIOPHARMA SRL; FIVE PRIME THERAPEUTICS, INC.
2023284387	ENI S.P.A.		
2023284940	VERTEX PHARMACEUTICALS INCORPORATED	2023291783	ARGENX BV
2023284969	AVALARA, INC.	2023291786	ARGENX BV
2023285047	BATTELLE MEMORIAL INSTITUTE	2023292051	BARANOWITZ, S.
2023285088	ALLEGIANCE CORPORATION	2023292263	CINPHLORO PHARMA, LLC
2023285098	BATTELLE MEMORIAL INSTITUTE	2023292465	HILL'S PET NUTRITION, INC.
2023285109	INCYTE CORPORATION	2023292481	HILL'S PET NUTRITION, INC.
2023285113	UMOJA BIOPHARMA, INC.	2023292776	LG ELECTRONICS INC.
2023285191	REISTONE BIOPHARMA COMPANY LIMITED	2023292900	CASCADE CORPORATION
2023285241	TRINA SOLAR CO., LTD	2023293098	ARROWHEAD PHARMACEUTICALS, INC.
2023285343	ZENTRALINSTITUT FÜR SEELISCHE GESUNDHEIT	2023293120	THERAGENICS CORPORATION
2023285351	UROMEMS	2023293129	ABBVIE BIOTHERAPEUTICS INC.
2023285459	SUMITOMO ELECTRIC INDUSTRIES, LTD.; CARLIT CO., LTD.	2023293131	INTELLIA THERAPEUTICS, INC.
		2023293228	LG ELECTRONICS INC.

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2023293231	LG ELECTRONICS INC.	2023318447	HILTI AKTIENGESELLSCHAFT
2023293272	TRAWSFYNYDD THERAPEUTICS, INC.	2023321692	SMART TOOLS PLUS, LLC
2023293274	TRAWSFYNYDD THERAPEUTICS, INC.	2023324445	JOHNSON MATTHEY PUBLIC LIMITED COMPANY
2023293409	KHANANIA, S.	2023326491	CJ CHEILJEDANG CORPORATION
2023293479	FIELD ORTHOPAEDICS PTY LTD	2023328705	REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG
2023293665	FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	2023329043	TRACK MACHINES CONNECTED GESELLSCHAFT M.B.H.
2023293669	ABB SCHWEIZ AG	2023340173	REEMOON TECHNOLOGY CO., LTD.
2023293888	KHR BIOTEC GMBH	2023355916	VARONIS SYSTEMS, INC.
2023293931	ABELS, N.	2023364757	SUNGROW POWER SUPPLY CO., LTD.
2023294251	TOPPAN HOLDINGS INC.	2023379422	NORAM ELECTROLYSIS SYSTEMS INC.
2023294286	SUNTORY HOLDINGS LIMITED	2023413368	WUHAN IRON AND STEEL COMPANY LIMITED
2023294765	NEURON23, INC.	2023413996	WUHAN IRON AND STEEL COMPANY LIMITED
2023294926	SINCLAIR SYSTEMS INTERNATIONAL, LLC	2023432563	BRENT SHELDON
2023295526	INTELLIA THERAPEUTICS, INC.	2023445501	WINBO-DONGJIAN AUTOMOTIVE TECHNOLOGY CO., LTD.
2023295529	INTELLIA THERAPEUTICS, INC.	2024212457	ILLUMINA, INC.
2023295552	INSITRO, INC.	2024219784	BALIKESİR ELEKTROMEKANİK SANAYİ TESİSLERİ ANONİM ŞİRKETİ; KUVAYİ TECHNOLOGIES SAVUNMA VE HABERLEŞME TEKNOLOJİLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ
2023296825	SARTORIUS STEDIM NORTH AMERICA INC.	2024220207	ZHENGZHOU NON-FERROUS METALS RESEARCH INSTITUTE CO.LTD OF CHALCO
2023296828	BP P.L.C.; BP (CHINA) HOLDINGS LIMITED	2024224880	ILLUMINA, INC.
2023296829	BP P.L.C.; BP (CHINA) HOLDINGS LIMITED	2024225407	ILLUMINA, INC.
2023296846	OMNIX MEDICAL LTD.	2024227745	SAMUELSON, J.
2023297093	NESTE OYJ	2024247164	ILLUMINA, INC.
2023297150	SOCIETE DES PRODUITS NESTLE SA	2024247902	ILLUMINA, INC.
2023297151	SOCIETE DES PRODUITS NESTLE SA	2024248002	ILLUMINA, INC.
2023297179	ZTE CORPORATION	2024249007	ILLUMINA, INC.
2023297774	HELICON CHEMICAL COMPANY	2024249551	ILLUMINA, INC.
2023297866	CARISMA THERAPEUTICS INC.	2024257656	"BARLINEK" SPÓŁKA AKCYJNA
2023297957	ONCORENA AB	2024259737	WINBO-DONGJIAN AUTOMOTIVE TECHNOLOGY CO.,LTD.
2023298202	NESTE OYJ		
2023299091	INTUIT INC.		
2023299193	AIR PRODUCTS AND CHEMICALS, INC.		
2023299562	BP P.L.C.; BP (CHINA) HOLDINGS LIMITED		
2023299861	IHI CORPORATION		
2023299937	SANDVIK MINING AND CONSTRUCTION OY		
2023299958	AMINO GMBH		
2023300045	ITM ONCOLOGICS GMBH		
2023300218	CHR. HANSEN A/S		
2023300232	SIKA TECHNOLOGY AG		
2023300508	TORAY INDUSTRIES, INC.		
2023300538	ASTURA MEDICAL INC.		
2023300565	N.V. NUTRICIA		
2023300847	BP P.L.C.; BP (CHINA) HOLDINGS LIMITED		
2023301396	CORCEPT THERAPEUTICS INCORPORATED		
2023302132	WEATHERFORD TECHNOLOGY HOLDINGS, LLC		
2023303685	SYNGENTA CROP PROTECTION AG		
2023304700	CIMEIO THERAPEUTICS AG; UNIVERSITÄT BASEL		
2023304703	TOPSOE BATTERY MATERIALS A/S		
2023305027	MAREL A/S		
2023305796	TOPSOE A/S		
2023306489	TOPSOE A/S		
2023306506	SIKA TECHNOLOGY AG		
2023306517	RECKITT BENCKISER FINISH B.V.		
2023306626	RAFAEL ADVANCED DEFENSE SYSTEMS LTD.		
2023307196	ALLNEX BELGIUM, S.A.		
2023307462	MATR FOODS APS		
2023307866	BGI GENOMICS CO., LTD.		
2023308003	SIKA TECHNOLOGY AG		
2023308040	SYNGENTA CROP PROTECTION AG		
2023308194	LANDIS+GYR TECHNOLOGY, INC.		
2023309261	SYNGENTA CROP PROTECTION AG		
2023309567	LANDIS+GYR TECHNOLOGY, INC.		
2023309749	TETRA LAVAL HOLDINGS & FINANCE S.A.		
2023309945	SUNTORY HOLDINGS LIMITED		
2023311145	HILTI AKTIENGESELLSCHAFT		
2023311310	JFE STEEL CORPORATION		
2023312202	ITALFARMACO S.P.A.		
2023312374	SUNTORY HOLDINGS LIMITED		
2023313025	INVOX BELGIUM NV		
2023313029	E-THERAPEUTICS PLC		
2023314797	REPERTOIRE IMMUNE MEDICINES, INC.		
2023316477	ATOSSA THERAPEUTICS, INC.		
2023316646	REGENERON PHARMACEUTICALS, INC.		

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2023274377	<b>A22C 21 /-</b>	2023280624	<b>A41D 1 /-</b>	2023265974	<b>A61F 2 /-</b>
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2023263778	2023305027	2023307462	2023285088	2023276913	2023275689
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2023279223	2023275895	2023280314	<b><u>A61M 1 /-</u></b>		2023276181
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2023281216	2023278315	2023287208	2023296825	2023265574	2023287244
2023282805	2023278382	2023287244		2023269163	2023293272
2023283267	2023278710	2023293098	<b><u>A61M 11 /-</u></b>	2023271971	2023296846
2023283389	2023279765	2023293129		2023287244	
2023283517	2023281912	2023297957	2023279707	2023287536	<b><u>A61P 35 /-</u></b>
2023283718	2023285098			2023309945	
2023283727	2023285109	<b><u>A61K 48 /-</u></b>	<b><u>A61M 15 /-</u></b>	2023312374	2023262720
2023285098	2023291641				2023265433
2023285191	2023296846	2023276729	2023279707	<b><u>A61P 19 /-</u></b>	2023268725
2023287208	2023297866	2023297866	2023313025		2023269328
2023287352	2023314797			2023260938	2023269778
2023287444		<b><u>A61K 49 /-</u></b>	<b><u>A61M 25 /-</u></b>	2023270105	2023271092
2023287536				2023283517	2023271396
2023289652	<b><u>A61K 39 /-</u></b>	2023264268	2023270460	2023285191	2023271885
2023290433	2023259287		2023275464		2023272448
2023292051	2023263975	<b><u>A61K 51 /-</u></b>	2023286592	<b><u>A61P 21 /-</u></b>	2023272836
2023292263	2023265659		2023288428		2023273527
2023293098	2023265832	2023271396		2023265155	2023273734
2023293272	2023265846	2023276227	<b><u>A61M 29 /-</u></b>	2023265846	2023274540
2023293274	2023266689	2023293120		2023276704	2023275545
2023293888	2023268725	2023300045	2023270460	2023292263	2023275712
2023294765	2023269134				2023275778
2023300565	2023271092	<b><u>A61K 6 /-</u></b>	<b><u>A61M 39 /-</u></b>	<b><u>A61P 25 /-</u></b>	2023275779
2023301396	2023273527			2023265535	2023275808
2023309945	2023274008	2023262590	2023260843	2023269328	2023275810
2023312202	2023275779	2023278978		2023272008	2023277288
2023312374	2023275810	2023287840	<b><u>A61M 5 /-</u></b>	2023275937	2023277642
2023313029	2023276181			2023277743	2023278315
2023316477	2023276940	<b><u>A61K 8 /-</u></b>	2023279105	2023280227	2023278382
	2023279765		2023281065	2023281216	2023279223
<b><u>A61K 33 /-</u></b>	2023280994	2023260846	2023289653	2023283267	2023279765
	2023285098	2023261876	<b><u>A61M 60 /-</u></b>	2023287208	2023280994
2023262590	2023285109	2023262590		2023289652	2023281205
2023287244	2023287469	2023264733	2023275464	2023300565	2023283389
2023292051	2023287932	<b><u>A61K 9 /-</u></b>	2023283326	2023301396	2023283727
2023300565	2023288762				2023285109
	2023288763	2023257781	<b><u>A61N 7 /-</u></b>	<b><u>A61P 27 /-</u></b>	2023287352
<b><u>A61K 35 /-</u></b>	2023304700	2023263975			2023287444
		2023265659	2023264065	2023257781	2023287932
2023261868	<b><u>A61K 45 /-</u></b>	2023265832		2023272166	2023290433
2023272490		2023266889	<b><u>A61P 1 /-</u></b>	2023278710	2023293129
2023273544	2023268725	2023273544		2023279765	2023293888
2023275895	2023278315	2023276181	2023265017		2023304700
2023276704	2023289652	2023283389	2023278543	<b><u>A61P 29 /-</u></b>	
2023276763	2023293888	2023285047	2023279765		<b><u>A61P 37 /-</u></b>
2023278543		2023286673	2023279886	2023259287	
2023279886	<b><u>A61K 47 /-</u></b>	2023287208	2023280475	2023267833	2023259287
2023280417		2023287244	2023287352	2023275778	2023265174
2023281888	2023257781	2023287536	2023292263	2023275937	2023267833
2023284940	2023261868	2023292263	2023292481	2023277743	2023268725
2023292051	2023263975	2023297866	<b><u>A61P 11 /-</u></b>	2023287352	2023269328
2023297866	2023265659	2023297957		2023300218	2023275895
2023300218	2023265832	2023300565	2023259287	<b><u>A61P 3 /-</u></b>	2023283517
	2023266889	2023316477	2023265017		2023285191
<b><u>A61K 36 /-</u></b>	2023269163		2023269328	2023262720	2023287352
	2023271092		2023281888	2023265155	2023289332
2023260938	2023271396				2023300218

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<b>A61P 39 /-</b>	<b>B01D 15 /-</b>	<b>B01L 9 /-</b>	<b>B26F 1 /-</b>	<b>B60B 7 /-</b>	<b>B62K 19 /-</b>
2023278543	2023288640	2024248002	2023265786	2023276866	2023274387
2023292051	<b>B01D 19 /-</b>	<b>B05B 1 /-</b>	<b>B27D 1 /-</b>	<b>B60C 9 /-</b>	<b>B62K 21 /-</b>
2023309945	2023284354	2023313025	2023273622	2023283667	2023274387
2023316477	2023306489	<b>B05B 7 /-</b>	<b>B27K 5 /-</b>	<b>B60H 1 /-</b>	<b>B62K 25 /-</b>
<b>A61P 43 /-</b>	<b>B01D 3 /-</b>	2023281538	2023273622	2023281675	2023274387
2023278543	2023306489	<b>B07C 3 /-</b>	<b>B27N 3 /-</b>	<b>B60K 11 /-</b>	2023276866
<b>A61P 5 /-</b>	<b>B01D 53 /-</b>	2022469815	2023273622	<b>B60K 6 /-</b>	<b>B62K 3 /-</b>
2023274784	2023287406	2023413368	<b>B28D 1 /-</b>	2023276866	2023263745
<b>A61P 7 /-</b>	2023299193	2023413996	<b>B28D 1 /-</b>	<b>B60K 6 /-</b>	2023274387
2023287932	2023305796	<b>B07C 5 /-</b>	2023265786	2023278388	<b>B62K 5 /-</b>
2023288906	<b>B01D 61 /-</b>	2023340173	<b>B29C 35 /-</b>	<b>B60L 15 /-</b>	2022455143
<b>A61P 9 /-</b>	2023283612	<b>B21B 1 /-</b>	2023278445	2023271068	2023263745
2023262720	<b>B01F 31 /-</b>	2023413368	<b>B29C 45 /-</b>	<b>B60P 1 /-</b>	<b>B62K 9 /-</b>
2023265017	2023266199	2023413996	2023280002	2023282119	2023263745
2023274384	<b>B01J 19 /-</b>	<b>B21B 3 /-</b>	2023432563	2023296825	<b>B63B 1 /-</b>
2023281888	2023277213	2023413996	<b>B29C 64 /-</b>	<b>B60P 3 /-</b>	2022430750
<b>A61Q 11 /-</b>	2023324445	<b>B21F 9 /-</b>	2023271390	<b>B60R 3 /-</b>	<b>B63B 39 /-</b>
2023292481	<b>B01J 2 /-</b>	2023284122	<b>B29D 11 /-</b>	2023279731	2022430750
<b>A61Q 19 /-</b>	2023297774	<b>B22F 1 /-</b>	2023432563	<b>B60R 3 /-</b>	<b>B64C 39 /-</b>
2023260846	<b>B01J 20 /-</b>	2023297774	<b>B32B 15 /-</b>	2023445501	2023276565
2023261876	2023280069	<b>B22F 9 /-</b>	2023309749	2024259737	<b>B64D 1 /-</b>
2023264733	2023288640	2023297774	<b>B32B 21 /-</b>	<b>B60W 30 /-</b>	<b>B64D 11 /-</b>
<b>A62B 17 /-</b>	<b>B01J 23 /-</b>	<b>B23B 47 /-</b>	2023273622	2023299937	<b>B64D 11 /-</b>
2023285088	2023277213	2023265786	<b>B32B 23 /-</b>	<b>B60W 40 /-</b>	2022467875
<b>A62D 3 /-</b>	2023285459	<b>B23B 49 /-</b>	2023309749	<b>B61K 9 /-</b>	<b>B64D 5 /-</b>
2023277160	2023296828	2023265786	<b>B32B 27 /-</b>	2023329043	2023276565
<b>A63B 21 /-</b>	2023296829	<b>B23K 26 /-</b>	2023293120	<b>B61L 1 /-</b>	<b>B64F 1 /-</b>
2023262049	2023300847	2023280060	<b>B33Y 10 /-</b>	2023287321	2022460414
2023262331	<b>B01J 3 /-</b>	2023280625	<b>B24B 29 /-</b>	<b>B61L 15 /-</b>	<b>B65B 69 /-</b>
<b>A63B 24 /-</b>	2023276624	<b>B25H 1 /-</b>	2022466845	<b>B61L 23 /-</b>	<b>B64D 11 /-</b>
2023289325	<b>B01J 35 /-</b>	2023265786	<b>B25H 7 /-</b>	2023329043	2023274377
<b>A63C 17 /-</b>	2023277213	<b>B25J 9 /-</b>	2023306506	<b>B61L 25 /-</b>	2023277733
2023263745	<b>B01J 37 /-</b>	2023265786	<b>B41J 2 /-</b>	2023329043	<b>B65C 11 /-</b>
<b>A63F 13 /-</b>	2023277213	<b>B25H 1 /-</b>	2022463942	<b>B61L 23 /-</b>	2023294926
2023275477	<b>B01J 8 /-</b>	2023265786	<b>B41M 5 /-</b>	<b>B62B 3 /-</b>	<b>B65C 9 /-</b>
<b>A63H 3 /-</b>	2023288799	<b>B25H 7 /-</b>	2022463942	202329043	2023294926
2023274393	2023297093	2023265786	<b>B60B 1 /-</b>	<b>B62D 9 /-</b>	<b>B65D 1 /-</b>
2023274934	2023298202	<b>B25J 9 /-</b>	2023276866	2023263745	2023294286
<b>A63H 5 /-</b>	<b>B01L 3 /-</b>	2023262331	<b>B60B 5 /-</b>		<b>B65D 25 /-</b>
2023274393	2023267078	<b>B26D 7 /-</b>	2023276866		2023283819
2023274934	2024248002	2023265786	2023276866		
	<b>B01L 7 /-</b>	2023265786			
	2023267078				



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<b><u>B65D 65 /-</u></b>		<b><u>C01G 99 /-</u></b>		<b><u>C07D 237 /-</u></b>	<b><u>C07D 471 /-</u></b>
2023283306	<b><u>B67D 1 /-</u></b>	2023275410	<b><u>C07C 275 /-</u></b>	2023267833	2023265433
	2023274377		2023267833		2023267833
<b><u>B65D 75 /-</u></b>	2023277733	<b><u>C02F 1 /-</u></b>		<b><u>C07D 239 /-</u></b>	2023269328
	2023279908	2023277160	<b><u>C07C 29 /-</u></b>	2023283727	2023275545
2023260868	<b><u>B67D 7 /-</u></b>	2023306489	2023266683		2023275808
	2023274377		2023287380	<b><u>C07D 241 /-</u></b>	2023278664
<b><u>B65D 77 /-</u></b>	2023277733	<b><u>C02F 101 /-</u></b>	2023288682	2023267833	2023279223
		2023277160			2023281216
2023260868	<b><u>B68C 1 /-</u></b>		<b><u>C07C 31 /-</u></b>	2023267833	2023287444
	2023262189	<b><u>C03C 17 /-</u></b>	2023266683	<b><u>C07D 271 /-</u></b>	2023301396
<b><u>B65D 81 /-</u></b>		2023280060		2023274937	<b><u>C07D 487 /-</u></b>
2023284354	<b><u>B81C 1 /-</u></b>	2023280625	<b><u>C07C 311 /-</u></b>		2023269778
	2023313025		2023293274	<b><u>C07D 333 /-</u></b>	2023274937
<b><u>B65G 1 /-</u></b>		<b><u>C04B 111 /-</u></b>		2023277743	2023279223
2022469815	<b><u>B82Y 5 /-</u></b>	2023300232	<b><u>C07C 315 /-</u></b>		<b><u>C07D 491 /-</u></b>
2023266151	2023283389	2023306506	2023299958	<b><u>C07D 401 /-</u></b>	2023265433
2023278530				2023267833	2023279223
<b><u>B65G 17 /-</u></b>	<b><u>C01B 13 /-</u></b>	<b><u>C04B 26 /-</u></b>	<b><u>C07C 317 /-</u></b>	2023269328	
	2023340173	2023311145	2023299958	2023271092	<b><u>C07D 493 /-</u></b>
2023340173				2023275712	
<b><u>B65G 47 /-</u></b>	<b><u>C01B 17 /-</u></b>	<b><u>C04B 28 /-</u></b>	<b><u>C07C 51 /-</u></b>	2023275808	2023285191
	2023277213	2023300232	2023277160	2023278664	<b><u>C07D 495 /-</u></b>
2022469815		2023306506		2023283727	
2023340173	<b><u>C01B 3 /-</u></b>	<b><u>C04B 35 /-</u></b>	<b><u>C07D 205 /-</u></b>	2023300045	2023262720
	2023299193	2023328705	2023265535	2023308040	2023278664
<b><u>B65G 65 /-</u></b>				2023312202	2023279223
2023281959	<b><u>C01B 32 /-</u></b>	<b><u>C05F 3 /-</u></b>	<b><u>C07D 207 /-</u></b>	<b><u>C07D 403 /-</u></b>	2023280227
	2023266683	2023270137	2023262720	2023262720	<b><u>C07D 498 /-</u></b>
<b><u>B65G 67 /-</u></b>	2023273035		2023265017	2023267833	
	2023277213	<b><u>C05G 3 /-</u></b>	2023267833	2023275545	2023281216
2023279731	2023287380	2023276033	2023267833	2023283727	<b><u>C07D 513 /-</u></b>
	2023288682		2023278664		
<b><u>B66B 31 /-</u></b>	2023324445	<b><u>C06B 45 /-</u></b>	<b><u>C07D 209 /-</u></b>	2023262720	2023279223
		2023297774	2023278664	2023267833	2023281216
2023274262			2023293272	2023267833	<b><u>C07D 519 /-</u></b>
	<b><u>C01B 32 /-</u></b>	<b><u>C07C 1 /-</u></b>	<b><u>C07D 211 /-</u></b>	2023278664	
<b><u>B66C 1 /-</u></b>	2023276624	2023297774	2023293272	<b><u>C07D 409 /-</u></b>	2023275808
	2023299193			2023262720	2023279223
2023266399	<b><u>C01D 1 /-</u></b>	<b><u>C07C 2 /-</u></b>	<b><u>C07D 213 /-</u></b>	2023267833	<b><u>C07D 519 /-</u></b>
	2023275446	2023273035	2023267833	2023277743	
<b><u>B66C 15 /-</u></b>		2023287380	2023267833	2023278664	2023275808
	<b><u>C01D 15 /-</u></b>	2023288682	2023278664	2023275545	2023279223
2023265149	2024220207	2023299562	2023282805	2023283727	
					<b><u>C07F 5 /-</u></b>
<b><u>B66C 23 /-</u></b>	<b><u>C01F 17 /-</u></b>	<b><u>C07C 2 /-</u></b>	<b><u>C07D 215 /-</u></b>	<b><u>C07D 413 /-</u></b>	
	2023275410	2023273035	2023262720	2023267833	2023272483
2023265149		2023273035	2023267833	2023274937	
2023266399	<b><u>C01F 7 /-</u></b>	2023287380	2023277743	2023277743	<b><u>C07H 15 /-</u></b>
	2023283677	2023288682	2023278664	2023278664	2023278382
<b><u>B66F 11 /-</u></b>		2023299562	<b><u>C07D 217 /-</u></b>	2023283517	<b><u>C07J 71 /-</u></b>
	<b><u>C01G 1 /-</u></b>		2023278664	2023283727	
2023269796	2023297774	<b><u>C07C 229 /-</u></b>		2023312202	2023293129
2023277507		2023278664	<b><u>C07D 221 /-</u></b>	<b><u>C07D 417 /-</u></b>	<b><u>C07K 1 /-</u></b>
	<b><u>C01G 23 /-</u></b>	2023280314	2023287444	2023267833	
<b><u>B66F 17 /-</u></b>	2023277213		2023287444	2023274937	2023278382
		<b><u>C07C 231 /-</u></b>	2023290433	2023277743	
2023269796	<b><u>C01G 53 /-</u></b>	2023278664		2023278664	<b><u>C07J 71 /-</u></b>
	2023304703		<b><u>C07D 231 /-</u></b>	2023283517	
<b><u>B66F 9 /-</u></b>		<b><u>C07C 233 /-</u></b>	2023278664	2023283727	2023293129
		2023267833	2023309261	2023312202	<b><u>C07K 14 /-</u></b>
2023292900		2023278664		2023276227	2023265659
	<b><u>B67B 7 /-</u></b>	2023267833		2023277743	2023288640
2023287673		2023278664		2023287352	
				2023312202	2022458871
					2023261868
					2023265174

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2023271109	<b>C08F 220 /-</b>	<b>C09B 57 /-</b>	<b>C10G 45 /-</b>	<b>C11D 1 /-</b>	<b>C12N 5 /-</b>
2023272483					
2023273527	2023293120	2024247164	2023286836	2023306517	2023269134
2023273544			2023288682		2023270105
2023274784	<b>C08F 222 /-</b>	<b>C09C 1 /-</b>	2023297093	<b>C11D 17 /-</b>	2023274008
2023275895			2023298202		2023275810
2023275937	2023307196	2023297774		2023275900	2023275895
2023276704			<b>C10G 47 /-</b>		2023276704
2023276727	<b>C08F 290 /-</b>	<b>C09D 11 /-</b>		<b>C11D 3 /-</b>	2023281888
2023276729			2023287380		2023285113
2023278170	2023293120	2022463942	2023288682	2023306517	2023287932
2023278710	2023307196		2023297093		2023290273
2023281912	<b>C08G 16 /-</b>	<b>C09D 129 /-</b>	2023298202	<b>C12C 12 /-</b>	2023293131
2023288640					2023295526
2023291641	2023308003	2023275900	<b>C10G 50 /-</b>	2023279414	2023297866
2023296846					
2023297866	<b>C08G 18 /-</b>	<b>C09D 131 /-</b>	2023287380	<b>C12G 3 /-</b>	<b>C12N 7 /-</b>
<b>C07K 16 /-</b>	2023307196	2023275900	<b>C10G 55 /-</b>	2023279414	2023262684
	2023308003	<b>C09D 133 /-</b>			2023272490
2023255777			2023297093	<b>C12M 1 /-</b>	2023276729
2023259287	<b>C08G 59 /-</b>	2023275900	2023298202		
2023265659				2023279503	<b>C12N 9 /-</b>
2023265846	2023311145	<b>C09D 135 /-</b>	<b>C10G 65 /-</b>	2023284940	
2023271885				2023293665	
2023272836	<b>C08G 63 /-</b>	2023275900	2023297093		2023259610
2023273527			2023298202	<b>C12M 3 /-</b>	2023262033
2023273734	2023307196	<b>C09D 4 /-</b>			2023269134
2023275779			<b>C10G 69 /-</b>	2023284940	2023275779
2023275810	<b>C08J 3 /-</b>	2023307196			2023276763
2023276697			2023287380	<b>C12N 1 /-</b>	2023277732
2023276940	2023280069	<b>C09K 11 /-</b>	2023288682		2023280994
2023278315				2023261868	2023283612
2023279765	<b>C08J 5 /-</b>	2023276624	<b>C10G 7 /-</b>	2023271109	2023286673
2023280994				2023279503	2023293131
2023281205	2023307196	<b>C09K 21 /-</b>	2022462878	2023288053	2023295526
2023283812	<b>C08J 7 /-</b>	2023280069	<b>C10K 3 /-</b>	2023307462	
2023285109				2023326491	<b>C12P 13 /-</b>
2023286840	2023275900	<b>C10B 47 /-</b>	2023287380	<b>C12N 15 /-</b>	2022458871
2023287932			2023288682		2023271109
2023288640	<b>C08K 3 /-</b>	2023299861	2023296828	2022458871	
2023289332			2023296829	2023259610	<b>C12P 19 /-</b>
2023290529	2023276033	<b>C10B 49 /-</b>	2023299562	2023261868	
2023290533			2023300847	2023262033	2023276727
2023291641	<b>C08K 5 /-</b>	2023299861		2023262684	
2023291783			<b>C10M 111 /-</b>	2023266889	<b>C12P 21 /-</b>
2023291786	2023276033	<b>C10B 53 /-</b>		2023268503	
2023293129			2023266962	2023269134	2023261868
2023304700	<b>C08L 1 /-</b>	2023286836	<b>C10M 169 /-</b>	2023271109	2023275779
		2023299861		2023271999	2023326491
<b>C07K 17 /-</b>	2023276033	<b>C10G 1 /-</b>	2023266962	2023272008	
	2023280069			2023272166	<b>C12P 23 /-</b>
2023288640	<b>C08L 33 /-</b>	2023286836	<b>C10N 20 /-</b>	2023275810	2023326491
<b>C07K 19 /-</b>		2023287380		2023276729	
	2023280069	2023288682	2023266962	2023277642	<b>C12P 7 /-</b>
2023279765	<b>C08L 51 /-</b>	<b>C10G 2 /-</b>	<b>C10N 30 /-</b>	2023277732	
<b>C07K 5 /-</b>				2023278664	2023326491
	2023280069	2023296828	2023266962	2023279765	
2023274540	<b>C08L 67 /-</b>	2023296829	<b>C10N 40 /-</b>	2023281205	<b>C12Q 1 /-</b>
<b>C07K 7 /-</b>		2023297093		2023285098	
	2023276033	2023298202	2023266962	2023286673	2023258468
2023269163	<b>C08L 89 /-</b>	2023299562	<b>C10N 70 /-</b>	2023287932	2023262222
2023283812		2023300847		2023288053	2023264200
2023288053	2023280069	<b>C10G 3 /-</b>	2023266962	2023288906	2023264731
2023314797				2023293131	2023265846
<b>C08F 2 /-</b>	<b>C08L 97 /-</b>	2023287380	<b>C11C 3 /-</b>	2023295526	2023266036
		2023288682		2023295529	2023274298
2023293120	2023273622	2023297093	2023278734	2023297866	2023275493
		2023298202		2023313029	2023280475
				2023316646	2023285047
					2023289034
					2023295552
					2024212457

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2024247902					
2024249007	2023280060	2023293228	2022477814	2022455483	2022389958
2024249551	2023280625		2023265750		
		<b><u>D06F 37 /-</u></b>		<b><u>E21F 1 /-</u></b>	<b><u>F24F 5 /-</u></b>
<b><u>C12R 1 /-</u></b>	<b><u>C25B 1 /-</u></b>		<b><u>E04B 2 /-</u></b>		
		2023291023		2022455483	2022389958
2023261868	2023260588	2023291025	2023255410		
2023283612	2023266683	2023292776	2023277316	<b><u>E21F 17 /-</u></b>	<b><u>F24F 7 /-</u></b>
2023288053	2023281998	2023293228			
2023326491	2023286836	2023293231	<b><u>E04C 3 /-</u></b>	2022455483	2023266101
	2023287380				
<b><u>C21B 11 /-</u></b>	2023288682	<b><u>D06F 39 /-</u></b>	2022455159	<b><u>F03D 3 /-</u></b>	<b><u>F24H 1 /-</u></b>
	2023288682				
2022471040	2023294251	2022489356	<b><u>E04C 5 /-</u></b>	2023266101	2023288807
2022471177	2023300508	2023291023			
	2023305796	2023291025	2023255410	<b><u>F03D 9 /-</u></b>	<b><u>F24H 15 /-</u></b>
<b><u>C21B 13 /-</u></b>	<b><u>C25B 11 /-</u></b>	2023292776	<b><u>E04D 13 /-</u></b>	2023266101	2023288807
		2023293231			
2022462002	2023281998		2022455159	<b><u>F04C 23 /-</u></b>	<b><u>F24H 7 /-</u></b>
2022471040	2023294251	<b><u>D06F 58 /-</u></b>			
2022471177			<b><u>E04D 3 /-</u></b>	2023275720	2022462878
2022472678	<b><u>C25B 13 /-</u></b>	2023291025			
		2023293228	2022477814	<b><u>F04C 29 /-</u></b>	<b><u>F24S 25 /-</u></b>
<b><u>C21B 3 /-</u></b>	2023260588		<b><u>E04F 15 /-</u></b>	2023275720	2022455159
	2023281998	<b><u>D07B 1 /-</u></b>			
2022471177	2023300508		2024257656	<b><u>F04D 25 /-</u></b>	<b><u>F25D 13 /-</u></b>
<b><u>C21C 5 /-</u></b>	<b><u>C25B 15 /-</u></b>	2023288584	<b><u>E04G 15 /-</u></b>	2024227745	2023266151
		2023290014			
2022471040	2023305796	<b><u>D21H 17 /-</u></b>	2023318447	<b><u>F16B 13 /-</u></b>	<b><u>F25D 19 /-</u></b>
2023311310	2023379422				
		2023268727	<b><u>E04G 9 /-</u></b>	2023258541	2023258682
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			2023255410	<b><u>F16B 37 /-</u></b>	<b><u>F25D 25 /-</u></b>
2022471040	2023305796	<b><u>D21H 27 /-</u></b>	<b><u>E04H 12 /-</u></b>	2023283669	2023266151
<b><u>C21D 8 /-</u></b>	<b><u>C25B 9 /-</u></b>	2023309749	2022455159	<b><u>F16B 39 /-</u></b>	<b><u>F25D 29 /-</u></b>
2023413368	2023281998	<b><u>D21J 3 /-</u></b>	<b><u>E04H 17 /-</u></b>	2023287243	2023266151
2023413996	2023294251				
	2023300508	2023288943	2023284122	<b><u>F16B 43 /-</u></b>	<b><u>F26B 15 /-</u></b>
<b><u>C22B 26 /-</u></b>	2023379422	<b><u>D21J 7 /-</u></b>	<b><u>E04H 4 /-</u></b>	2023287243	2023288943
2024220207	<b><u>C40B 30 /-</u></b>	2023288943	2022466294	<b><u>F16B 7 /-</u></b>	<b><u>F26B 21 /-</u></b>
<b><u>C22B 3 /-</u></b>	2023274298	<b><u>E01C 13 /-</u></b>	<b><u>E05D 15 /-</u></b>	2023283669	2023288943
2023265900	<b><u>C40B 40 /-</u></b>	2022457146	2023296825	<b><u>F16G 11 /-</u></b>	<b><u>F26B 3 /-</u></b>
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	2023278664	<b><u>E01F 13 /-</u></b>	<b><u>E06B 9 /-</u></b>	2023284122	2023269796
<b><u>C22B 34 /-</u></b>	2023281205				
		2023279731	2023265014	<b><u>F16L 5 /-</u></b>	<b><u>F27B 14 /-</u></b>
2023280902	<b><u>D01D 5 /-</u></b>	<b><u>E01F 15 /-</u></b>	2023273721	2023318447	2022462002
<b><u>C22B 60 /-</u></b>	2023271390	<b><u>E06C 9 /-</u></b>	<b><u>E06C 9 /-</u></b>	<b><u>F16M 11 /-</u></b>	<b><u>F27B 3 /-</u></b>
2023265900	<b><u>D04B 1 /-</u></b>	2023279731	2023277507	2023235428	2022471040
2023280902					
	2023260662	<b><u>E02D 29 /-</u></b>	<b><u>E21B 19 /-</u></b>	<b><u>F16M 13 /-</u></b>	<b><u>F27D 1 /-</u></b>
<b><u>C22B 9 /-</u></b>	<b><u>D04H 3 /-</u></b>				
		2023255410	2023302132	2023235428	2022462002
2023311310	2022459970	<b><u>E02F 3 /-</u></b>	<b><u>E21B 33 /-</u></b>	<b><u>F17C 13 /-</u></b>	<b><u>F27D 3 /-</u></b>
<b><u>C22C 38 /-</u></b>	<b><u>D06F 31 /-</u></b>	2023276326	2023268581	2023275897	2022471040
2023413368	2023291023	<b><u>E02F 9 /-</u></b>	<b><u>E21C 41 /-</u></b>	<b><u>F21V 21 /-</u></b>	<b><u>F28D 21 /-</u></b>
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	2023292776	2023276326	2022455483		
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	2023293231				
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<b><u>F42B 35 /-</u></b>	2023283403	2023355916	2023260431	<b><u>G16H 50 /-</u></b>	<b><u>H01M 8 /-</u></b>
2023278790	<b><u>G01R 31 /-</u></b>	<b><u>G06F 3 /-</u></b>	<b><u>G07F 17 /-</u></b>	2023261525	2023285459
<b><u>G01B 11 /-</u></b>	2023364757	2023258042	2023275873	2023264065	2023300508
2023269910	<b><u>G01S 17 /-</u></b>	2023259604	<b><u>G08G 1 /-</u></b>	2023275705	<b><u>H01S 3 /-</u></b>
2023276275	2023269910	2023262331	2022460361	2023281175	2023306626
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2023276275	<b><u>G01S 3 /-</u></b>	<b><u>G06F 8 /-</u></b>	2023275477	2023285343	2023265149
<b><u>G01C 21 /-</u></b>	2023269910	2023299091	<b><u>G09F 3 /-</u></b>	2023289034	2023265193
2023269910	<b><u>G01S 7 /-</u></b>	<b><u>G06K 19 /-</u></b>	2023294926	<b><u>G16H 70 /-</u></b>	2023269796
<b><u>G01C 3 /-</u></b>	2023306626	2023260431	<b><u>G10H 1 /-</u></b>	2023289034	<b><u>H02G 3 /-</u></b>
2023306626	<b><u>G01T 1 /-</u></b>	<b><u>G06N 20 /-</u></b>	2023272076	<b><u>G21F 5 /-</u></b>	2023318447
<b><u>G01G 19 /-</u></b>	2023280902	2023267677	<b><u>G10L 15 /-</u></b>	2023279735	<b><u>H02H 3 /-</u></b>
2023292900	<b><u>G02B 27 /-</u></b>	2023258582	2023259604	<b><u>G21F 9 /-</u></b>	2023286679
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2023283044	<b><u>G03G 15 /-</u></b>	2023280991	2024224880	<b><u>H01F 6 /-</u></b>	<b><u>H02K 41 /-</u></b>
<b><u>G01N 15 /-</u></b>	2023288304	<b><u>G06Q 40 /-</u></b>	2024225407	2023286679	2023275477
2023275681	<b><u>G03G 21 /-</u></b>	2023282842	<b><u>G16B 25 /-</u></b>	<b><u>H01F 7 /-</u></b>	<b><u>H02K 7 /-</u></b>
<b><u>G01N 21 /-</u></b>	2023288304	2023283749	2023261525	2023281765	2023266101
2023275493	<b><u>G05B 15 /-</u></b>	2023284969	<b><u>G16B 30 /-</u></b>	<b><u>H01J 37 /-</u></b>	<b><u>H02M 1 /-</u></b>
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2023281538	2023293669	2023288807	<b><u>G16B 40 /-</u></b>	2023275681	2022467855
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2023280069	2023274907	2023267677	2023275493	2022459514	2023266101
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2023283044	2023278790	2023283263	<b><u>G16H 20 /-</u></b>	2023271622	<b><u>H04B 7 /-</u></b>
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 (51) Int. Cl.  
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- (71) Actelion Pharmaceuticals Ltd  
 (11) AU-B-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 )
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- (43) 21.12.2023  
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 (62) 2018233109  
 (72) Martine CLOZEL; Laetitia POUZOL  
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- (71) ACTIV'INSIDE  
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 (21) 2023270181 (22) 20.11.2023  
 (54) Plant extract highly concentrated in safranal, production method and uses thereof  
 (51) Int. Cl.  
*A61K 36/88* ( 2006.01 )  
*A61K 8/97* ( 2017.01 )  
*A61P 15/10* ( 2006.01 )  
*A61P 25/24* ( 2006.01 )  
 (43) 14.12.2023  
 (44) 12.12.2024  
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 (72) David Gaudout; Stéphane Rey; Benoit Lemaire; Benjamin Moras; Marion Dumoulin  
 (74) Griffith Hack
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- (71) Adobe Inc.  
 (11) AU-B-2022200432  
 (21) 2022200432 (22) 23.01.2022  
 (54) EXTENSIBLE SEARCH, CONTENT, AND DIALOG MANAGEMENT SYSTEM  
 (51) Int. Cl.  
*G06F 16/242* ( 2019.01 )  
*G06F 16/2457* ( 2019.01 )  
*G06F 16/248* ( 2019.01 )  
*G06F 40/30* ( 2020.01 )  
*G06N 3/08* ( 2006.01 )  
*G06N 5/02* ( 2006.01 )  
 (31) 17/211,392 (32) 24.03.21 (33) US  
 (43) 13.10.2022  
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 (74) RnB IP Pty Ltd
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 (54) Sterilization assessment methods with chemical indicators  
 (51) Int. Cl.  
*G01N 31/22* ( 2006.01 )  
*A61L 2/28* ( 2006.01 )  
 (87) WO2020/201933  
 (31) 62/826,694 (32) 29.03.19 (33) US  
 (43) 08.10.2020  
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 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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(71) Agency for Defense Development  
 (11) AU-B-2023229526  
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 (54) T-shaped fuel injection apparatus and engine module including the same  
 (51) Int. Cl.  
**F02C 7/22** ( 2006.01 )  
**F02C 7/04** ( 2006.01 )  
**F02K 7/14** ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

(71) AHAY SOCIETY PTY LTD  
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 (21) 2023252685 (22) 08.02.2023  
 (54) BODY ADHESIVE  
 (51) Int. Cl.  
**A61K 8/85** ( 2006.01 )  
**A61K 8/25** ( 2006.01 )  
**A61K 8/34** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
 (87) WO2023/197025  
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 (43) 19.10.2023  
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 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

(71) Airbus Defence and Space SAS  
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 (54) Network equipment with inter-network policy-based routing function  
 (51) Int. Cl.  
**H04L 45/74** ( 2022.01 )  
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 (31) 1873485 (32) 20.12.18 (33) FR  
 (43) 25.06.2020  
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 (72) POLETTI, Claude  
 (74) FPA Patent Attorneys Pty Ltd

(71) Alcon Inc.  
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 (54) Systems and methods for intraocular lens selection  
 (51) Int. Cl.  
**A61F 2/16** ( 2006.01 )  
**A61B 3/00** ( 2006.01 )  
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 (31) 62/613,927 (32) 05.01.18 (33) US  
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 (74) Phillips Ormonde Fitzpatrick

(71) Alcresta Therapeutics, Inc.  
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 (21) 2021203134 (22) 17.05.2021  
 (54) Methods, compositions, and devices for supplying dietary fatty acid needs  
 (51) Int. Cl.

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 (44) 12.12.2024  
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 (54) SYSTEMS AND METHODS OF MANAGING CUSTOMIZED RUN DISPLAY ELEMENTS WITH TREATMENT TEMPLATES BASED ON TREATMENT DOMAIN-SPECIFIC PROTOCOLS  
 (51) Int. Cl.  
**A61C 13/00** ( 2006.01 )  
**A61C 7/00** ( 2006.01 )  
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 (31) 62/664,684 (32) 30.04.18 (33) US  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Align Technology, Inc.  
 (11) AU-B-2022291491  
 (21) 2022291491 (22) 21.12.2022  
 (54) INTRAORAL SCANNER WITH DENTAL DIAGNOSTICS CAPABILITIES  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**G06T 15/08** ( 2011.01 )  
 (43) 02.02.2023  
 (44) 12.12.2024  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Alligator Bioscience AB  
 (11) AU-B-2017360094  
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 (54) Novel anti\_CD137 antibodies and uses thereof  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
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 (31) 1619648.7 (32) 21.11.16 (33) GB  
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 (74) AJ PARK

(71) Alnylam Pharmaceuticals, Inc.  
 (11) AU-B-2021202552  
 (21) 2021202552 (22) 26.04.2021  
 (54) Angiotensinogen (AGT) iRNA compositions and methods of use thereof  
 (51) Int. Cl.  
**A61K 31/712** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
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 (72) FOSTER, Donald; BETTENCOURT, Brian; CHARISSE, Klaus; HINKLE, Gregory; KUCHIMANCHI, Satyanarayana; MAIER, Martin; MILSTEIN, Stuart  
 (74) Griffith Hack

(71) ALPHA TAU MEDICAL LTD.  
 (11) AU-B-2022302417  
 (21) 2022302417 (22) 29.06.2022  
 (54) RADIOTHERAPY APPLICATOR WITH PERPENDICULAR OR ANGLED RADIAL DISPENSING  
 (51) Int. Cl.  
**A61N 5/01** ( 2006.01 )  
**A61N 5/10** ( 2006.01 )  
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 (31) 63/216,565 (32) 30.06.21 (33) US  
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 (74) FPA Patent Attorneys Pty Ltd

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(71) Amgen Inc.  
 (11) AU-B-2019260418  
 (21) 2019260418 (22) 02.04.2019  
 (54) Method for making injectable pharmaceutical compositions  
 (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61P 7/06** ( 2006.01 )  
**A61P 37/04** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**G01N 15/02** ( 2006.01 )  
**G01N 15/10** ( 2006.01 )  
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 (31) 62/661,929 (32) 24.04.18 (33) US  
 (43) 31.10.2019  
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(71) Amgen Inc.  
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 (21) 2022201523 (22) 04.03.2022  
 (54) Stable Frozen Herpes Simplex Virus Formulation  
 (51) Int. Cl.

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**A61K 35/763** ( 2015.01 )  
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**(72)** LITOWSKI, Jennifer R.; SISKI, Christine Claudia; KERWIN, Bruce Arthur  
**(74)** WRAYS PTY LTD

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**(71)** Amgen Inc.  
**(11)** AU-B-2023200660  
**(21)** 2023200660 **(22)** 08.02.2023  
**(54)** Direct selection of cells expressing high levels of heteromeric proteins using glutamine synthetase intragenic complementation vectors  
**(51)** Int. Cl.  
**C12N 15/65** ( 2006.01 )  
**C12N 15/67** ( 2006.01 )  
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**(74)** Spruson & Ferguson

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**(71)** Amylyx Pharmaceuticals Inc.  
**(11)** AU-B-2022221410  
**(21)** 2022221410 **(22)** 23.08.2022  
**(54)** Compositions for improving cell viability and methods of use thereof  
**(51)** Int. Cl.  
**A61K 31/19** ( 2006.01 )  
**A61K 31/185** ( 2006.01 )  
**A61K 31/195** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**(43)** 15.09.2022  
**(44)** 12.12.2024  
**(62)** 2021201770  
**(72)** COHEN, Joshua B.; KLEE, Justin  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Anderson, M.  
**(11)** AU-B-2019255723  
**(21)** 2019255723 **(22)** 17.04.2019  
**(54)** Dairy cattle breeding status indicator technology  
**(51)** Int. Cl.  
**A61D 17/00** ( 2006.01 )  
**A01K 29/00** ( 2006.01 )  
**(87)** WO2019/204529  
**(31)** 62/762,038 **(32)** 17.04.18 **(33)** US  
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**(72)** DINGUS, T. Boyd; POHLER, Ky Garrett  
**(74)** IP SOLVED (ANZ) PTY. LTD.

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**(71)** ANELLOTECH, INC.  
**(11)** AU-B-2023265062  
**(21)** 2023265062 **(22)** 03.05.2023  
**(54)** HIGH EFFICIENCY PROCESS FOR SEPARATING FILLERS FROM CATALYST AND GASES IN A CATALYTIC

FLUIDIZED BED PYROLYSIS PROCESS OF PLASTICS  
**(51)** Int. Cl.  
**C10B 53/07** ( 2006.01 )  
**B01D 45/12** ( 2006.01 )  
**B01J 29/40** ( 2006.01 )  
**C08J 11/12** ( 2006.01 )  
**C10B 49/10** ( 2006.01 )  
**C10B 49/22** ( 2006.01 )  
**C10B 57/06** ( 2006.01 )  
**C10G 1/08** ( 2006.01 )  
**C10G 1/10** ( 2006.01 )  
**C10G 11/18** ( 2006.01 )  
**C10K 1/02** ( 2006.01 )  
**(87)** WO2023/215421  
**(31)** 63/338,013 **(32)** 03.05.22 **(33)** US  
**(43)** 09.11.2023  
**(44)** 12.12.2024  
**(72)** MISSALLA, Michael; MLECKZO, Leslaw; WIRTH, Karl-Ernst; BASHA, Omar, M.  
**(74)** Michael Buck IP

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**(71)** Antabio SAS  
**(11)** AU-B-2019349438  
**(21)** 2019349438 **(22)** 25.07.2019  
**(54)** Indane derivatives for use in the treatment of bacterial infection  
**(51)** Int. Cl.  
**C07D 277/64** ( 2006.01 )  
**A61K 31/428** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**(87)** WO2020/064173  
**(31)** 18290106.6 **(32)** 25.09.18 **(33)** EP  
 18290104.1 26.09.18 EP  
 18197365.2 27.09.18 EP  
**(43)** 02.04.2020  
**(44)** 12.12.2024  
**(72)** LEIRIS, Simon; DAVIES, David Thomas; EVERETT, Martin; SPRYNSKI, Nicolas; BEYRIA, Lilha; PALLIN, Thomas David; CRIDLAND, Andrew Peter; BLENCH, Toby Jonathan; ELLIOTT, Richard Leonard; CLARK, David Edward  
**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-B-2019351551  
**(21)** 2019351551 **(22)** 25.07.2019  
**(54)** Indane derivatives for use in the treatment of bacterial infection  
**(51)** Int. Cl.  
**C07D 277/64** ( 2006.01 )  
**A61K 31/428** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**(87)** WO2020/064174  
**(31)** 18290106.6 **(32)** 25.09.18 **(33)** EP  
 18290104.1 26.09.18 EP  
 18197365.2 27.09.18 EP  
**(43)** 02.04.2020  
**(44)** 12.12.2024  
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**(74)** Davies Collison Cave Pty Ltd

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**(71)** ANYGEN CO., LTD.  
**(11)** AU-B-2022342994  
**(21)** 2022342994 **(22)** 08.09.2022  
**(54)** COMPOSITION FOR PREVENTING OR TREATING INFLAMMATORY BOWEL DISEASE CONTAINING NOVEL COMPOUND  
**(51)** Int. Cl.  
**C07K 5/117** ( 2006.01 )  
**A23L 33/18** ( 2016.01 )  
**A61K 38/00** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**(87)** WO2023/038464  
**(31)** 10-2021-0120647 **(32)** 09.09.21 **(33)** KR  
**(43)** 16.03.2023  
**(44)** 12.12.2024  
**(72)** KIM, Jae-Il; KIM, Gyeong Min; RYU, Jae Ha; JOO, Sang Hyun; PARK, Ye Ga  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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**(71)** Apellis Pharmaceuticals, Inc.  
**(11)** AU-B-2023200929  
**(21)** 2023200929 **(22)** 17.02.2023  
**(54)** Cell-reactive, long-acting, or targeted compstatin analogs and related compositions and methods  
**(51)** Int. Cl.  
**C07K 7/00** ( 2006.01 )  
**A61K 38/04** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C12N 5/00** ( 2006.01 )  
**(43)** 23.03.2023  
**(44)** 12.12.2024  
**(62)** 2020260435  
**(72)** FRANCOIS, Cedric; DESCHATELETS, Pascal  
**(74)** FB Rice Pty Ltd

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**(71)** Apple Inc.  
**(11)** AU-B-2023237162  
**(21)** 2023237162 **(22)** 29.09.2023  
**(54)** User interfaces with variable appearances  
**(51)** Int. Cl.  
**G06F 3/14** ( 2006.01 )  
**G06F 3/041** ( 2006.01 )  
**(43)** 19.10.2023  
**(44)** 12.12.2024  
**(62)** 2022201720  
**(72)** Dellinger, Richard R.  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Apple Inc.  
**(11)** AU-B-2023266356  
**(21)** 2023266356 **(22)** 16.11.2023  
**(54)** User interfaces for managing audio exposure  
**(51)** Int. Cl.  
**G06F 3/16** ( 2006.01 )  
**G06F 3/048** ( 2013.01 )  
**G08B 7/06** ( 2006.01 )



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**(72)** Nicholas Felton; Stephen O. Lemay; Christopher Wilson; Ruchi Goswami; Tyrone Chen; Jakub Mazur; Aroon Pahwa; David Harrison; Andriy Suden; Elizabeth Caroline Cranfill; Pedro Mari; Ian M. Fisch; Jing Xia; John Woodruff; Nathan De Vries; Taylor G. Carrigan; Eric Zhang; Ramsey Deeb Abouzahra; Joe Williams; Eamon Francis Gilravi  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Apple Inc.  
**(11)** AU-B-2023285859  
**(21)** 2023285859 **(22)** 21.12.2023  
**(54)** User interfaces for workout content  
**(51)** Int. Cl.  
**A63B 24/00** ( 2006.01 )  
**A63B 71/06** ( 2006.01 )  
**G06F 3/01** ( 2006.01 )  
**G06Q 10/06** ( 2023.01 )

**(43)** 18.01.2024  
**(44)** 12.12.2024  
**(62)** 2022202977  
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**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Applied Medical Resources Corporation  
**(11)** AU-B-2022268391  
**(21)** 2022268391 **(22)** 11.11.2022  
**(54)** Systems and methods for tissue containment and retrieval  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
**(43)** 15.12.2022  
**(44)** 12.12.2024  
**(62)** 2020204090  
**(72)** DO, Alexandra; BRESLIN, Tracy; YIN, Emily; WACHLI, Serene; HART, Charles C.; FILEK, Jacob J.  
**(74)** Griffith Hack

**(71)** ARD Core Pty Limited  
**(11)** AU-B-2019271303  
**(21)** 2019271303 **(22)** 17.05.2019

**(54)** A method for making a composite alcoholic beverage  
**(51)** Int. Cl.  
**C12G 3/04** ( 2019.01 )  
**C12G 3/021** ( 2019.01 )  
**C12G 3/07** ( 2006.01 )  
**C12G 3/08** ( 2006.01 )  
**C12H 1/22** ( 2006.01 )  
**(87)** WO2019/217989  
**(31)** 2019100418 **(32)** 17.04.19 **(33)** AU  
 2018901745 18.05.18 AU  
**(43)** 21.11.2019  
**(44)** 12.12.2024  
**(72)** EDWARDS, William John Malcolm; WITHERS, David Aaron Wilhelm  
**(74)** Chrysiliou IP

**(71)** Ascendis Pharma A/S  
**(11)** AU-B-2019350376  
**(21)** 2019350376 **(22)** 25.09.2019  
**(54)** Treatment of infections  
**(51)** Int. Cl.  
**A61K 47/60** ( 2017.01 )  
**A61K 47/61** ( 2017.01 )  
**A61K 47/69** ( 2017.01 )  
**A61P 31/04** ( 2006.01 )  
**(87)** WO2020/064844  
**(31)** 18196857.9 **(32)** 26.09.18 **(33)** EP  
 18196858.7 26.09.18 EP  
 18196860.3 26.09.18 EP  
**(43)** 02.04.2020  
**(44)** 12.12.2024  
**(72)** SPROGØE, Kennett; STARK, Sebastian; VOIGT, Tobias; HOLTEN-ANDERSEN, Lars; BISEK, Nicola  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Assa Abloy AB  
**(11)** AU-B-2023203748  
**(21)** 2023203748 **(22)** 15.06.2023  
**(54)** Physical access control systems with localization-based intent detection  
**(51)** Int. Cl.  
**G01S 1/00** ( 2006.01 )  
**G01S 13/76** ( 2006.01 )  
**G07C 9/00** ( 2020.01 )  
**G07C 9/22** ( 2020.01 )  
**G07C 9/28** ( 2020.01 )  
**G07C 9/29** ( 2020.01 )  
**H04W 4/02** ( 2018.01 )  
**(43)** 13.07.2023  
**(44)** 12.12.2024  
**(62)** 2020247109  
**(72)** PIRCH, Hans-Juergen; EINBERG, Fredrik Carl Stefan; JONSSON, Tomas Lars; PREVOST, Sylvain Jacques; STEFFL, Jan; FRANK, Hans Gunnar  
**(74)** Davies Collision Cave Pty Ltd

**(71)** Aurora Flight Sciences Corporation  
**(11)** AU-B-2019284005  
**(21)** 2019284005 **(22)** 20.12.2019  
**(54)** Programmable battery pack  
**(51)** Int. Cl.  
**H04J 7/00** ( 2006.01 )  
**(31)** 16/283,076 **(32)** 22.02.19 **(33)** US  
**(43)** 10.09.2020

**(44)** 12.12.2024  
**(72)** Kirleis, Matthew; Merk, John  
**(74)** Spruson & Ferguson

**(71)** Avery Dennison Corporation  
**(11)** AU-B-2022291497  
**(21)** 2022291497 **(22)** 21.12.2022  
**(54)** Adhesives and related methods  
**(51)** Int. Cl.  
**C09J 4/06** ( 2006.01 )  
**C08L 23/00** ( 2006.01 )  
**C08L 33/00** ( 2006.01 )  
**C09J 123/02** ( 2006.01 )  
**C09J 133/00** ( 2006.01 )  
**(43)** 02.02.2023  
**(44)** 12.12.2024  
**(62)** 2020244387  
**(72)** ZAJACZKOWSKI, Michael; WATERMAN, Michael T.; HEIMBACH, Kyle R.; BARTHOLOMEW, Eric L.; MILLER, Brandon S.  
**(74)** Spruson & Ferguson

**(71)** Avery Dennison Retail Information Services LLC  
**(11)** AU-B-2019364361  
**(21)** 2019364361 **(22)** 22.10.2019  
**(54)** Digital printed heat transfer graphics for soft goods  
**(51)** Int. Cl.  
**B32B 3/10** ( 2006.01 )  
**B32B 38/14** ( 2006.01 )  
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**(71)** Axens  
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**C10G 5/04** ( 2006.01 )  
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**(54)** ACTUATOR, METHOD AND SYSTEM  
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 A01N 43/40 ( 2006.01 )  
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 C07D 213/69 ( 2006.01 )  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
*C07D 307/94* ( 2006.01 )  
*A61K 31/34* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
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 (51) Int. Cl.  
*G07C 5/00* ( 2006.01 )  
*G01C 21/16* ( 2006.01 )  
*G01G 19/52* ( 2006.01 )  
*G01M 7/02* ( 2006.01 )  
*G07C 3/00* ( 2006.01 )  
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 (51) Int. Cl.  
*A61B 18/14* ( 2006.01 )  
*A61B 17/34* ( 2006.01 )  
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(51) Int. Cl.  
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(51) Int. Cl.  
**A61F 2/90** ( 2013.01 )  
**A61F 2/00** ( 2006.01 )

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(31) 63/120,402 (32) 02.12.20 (33) US  
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**A61B 1/00** ( 2006.01 )  
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(51) Int. Cl.  
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**C07D 209/14** ( 2006.01 )  
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(51) Int. Cl.  
**B65D 85/804** ( 2006.01 )

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(51) Int. Cl.  
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**A61P 37/06** ( 2006.01 )  
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(54) POSE DETECTION USING THERMAL DATA

(51) Int. Cl.  
**G01J 5/00** ( 2022.01 )  
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**G06T 7/73** ( 2017.01 )

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(51) Int. Cl.  
**C07H 21/00** ( 2006.01 )  
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**C12Q 1/68** ( 2018.01 )

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(51) Int. Cl.  
**A61F 2/24** ( 2006.01 )  
**A61B 17/04** ( 2006.01 )  
**A61B 17/29** ( 2006.01 )  
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**A61B 90/00** ( 2016.01 )

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(51) Int. Cl.  
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(51) Int. Cl.  
**E02F 3/40** ( 2006.01 )

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**(43)** 04.11.2021  
**(44)** 12.12.2024  
**(72)** BJERKE, Nathan R.; CONGDON,  
 Thomas M.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Cell IDx, Inc.  
**(11)** AU-B-2022201442  
**(21)** 2022201442 ( **22** ) 02.03.2022  
**(54)** Antigen-coupled immunoreagents  
**(51)** Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C12P 21/08** ( 2006.01 )  
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**(72)** SCHWARTZ, David A.  
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 THEREOF  
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**A61K 51/12** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A23L 33/125** ( 2016.01 )  
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 prising protein and omega-3 fatty acids  
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 produced thereby  
**(51)** Int. Cl.  
**C12P 21/00** ( 2006.01 )  
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**C12R 1/89** ( 2006.01 )  
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**G01R 31/11** ( 2006.01 )  
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**F04D 29/058** ( 2006.01 )  
**F16B 21/00** ( 2006.01 )  
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 (74) Patent Attorney Services

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 (54) Systemic formulation of a pyridinone derivative for TG2-related diseases  
 (51) Int. Cl.  
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 MOHR, Wolfgang; PASTERNAK, Ralf;  
 TEWES, Bernhard; WILHELM, Rudolf  
**(74)** Maxwells Patent & Trade Mark Attor-  
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**(71)** Dr. Falk Pharma GmbH  
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 derivate for coeliac disease  
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 HELM, Rudolf; MOHRBACHER, Ralf  
**(74)** Maxwells Patent & Trade Mark Attor-  
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 logies Corporation**  
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**(51)** Int. Cl.  
**H05B 3/28** ( 2006.01 )  
**A45D 20/12** ( 2006.01 )  
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**(72)** CRAWFORD, Kyle; FORBES, Andrew;  
 EDWARDS, Robert; SHELTON, Ed-  
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 John  
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**E04F 13/14** ( 2006.01 )  
**B29C 67/24** ( 2006.01 )  
**C08K 3/40** ( 2006.01 )  
**C08L 67/02** ( 2006.01 )  
**E04F 13/18** ( 2006.01 )  
**B29K 509/08** ( 2006.01 )  
**B29L 31/10** ( 2006.01 )  
**B29L 31/44** ( 2006.01 )

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**C10G 29/04** ( 2006.01 )  
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**(72)** GUENTHER, THOMAS ANDREAS  
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**(71)** Eddy Current Limited Partnership  
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**(54)** Latch Activation Between Elements  
**(51)** Int. Cl.  
**A62B 1/08** ( 2006.01 )  
**B66D 5/18** ( 2006.01 )  
**F16D 59/00** ( 2006.01 )  
**H02K 49/04** ( 2006.01 )  
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 topher James; Wright, Kevin A.; Wal-  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** Edwards Lifesciences Corporation  
**(11)** AU-B-2023200665  
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**(54)** Prosthetic valves, frames and leaflets  
 and methods thereof  
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**A61F 2/24** ( 2006.01 )  
**(43)** 09.03.2023

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 R.; HARTMAN, Cody L.  
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**(54)** Laundry Dryer including a Heat Pump  
 System  
**(51)** Int. Cl.  
**D06F 58/26** ( 2006.01 )  
**D06F 58/02** ( 2006.01 )  
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**(72)** CAVARRETTA, Francesco; GAM-  
 BARRO, Fabio; GOBBO, Gianni  
**(74)** Halfords IP

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 System  
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**D06F 58/26** ( 2006.01 )  
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**(43)** 19.03.2020  
**(44)** 12.12.2024  
**(72)** GAMBARRO, Fabio; CAVARRETTA,  
 Francesco; GOBBO, Gianni  
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**(54)** Apparatus and method to bypass a  
 sample chamber in laser assisted spec-  
 troscopy  
**(51)** Int. Cl.  
**G01N 21/71** ( 2006.01 )  
**G01J 3/02** ( 2006.01 )  
**G01N 1/22** ( 2006.01 )  
**G01N 21/25** ( 2006.01 )  
**G01N 35/00** ( 2006.01 )  
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 Ciaran J.  
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**(71)** Enable Injections, Inc.  
**(11)** AU-B-2023200184  
**(21)** 2023200184 **(22)** 13.01.2023  
**(54)** RECONSTITUTION DEVICE, SYSTEM  
 AND METHOD  
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**A61M 5/142** ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**F17C 5/06** ( 2006.01 )  
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 (74) WRAYS PTY LTD

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 (54) THE COMPOSITION OF CULTURE MEDIA FOR FAECALIBACTERIUM PRAUSNITZII  
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**A61L 15/16** ( 2006.01 )  
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**A61K 38/05** ( 2006.01 )  
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 (51) Int. Cl.

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**A61K 31/46** ( 2006.01 )  
**A61K 31/501** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 27/16** ( 2006.01 )  
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**B29C 45/00** ( 2006.01 )  
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**G06F 11/20** ( 2006.01 )  
**H04W 36/00** ( 2009.01 )  
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 (74) Allens Patent & Trade Mark Attorneys

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 (51) Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**G01R 19/165** ( 2006.01 )  
**G01R 31/382** ( 2019.01 )  
**G01R 31/392** ( 2019.01 )  
**G06N 3/00** ( 2023.01 )  
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 (74) Patent Attorney Services

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**F16L 55/07** ( 2006.01 )  
**F16K 24/04** ( 2006.01 )  
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**C07K 16/28** ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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 (54) AUDIO DECORRELATOR, PROCESSING SYSTEM AND METHOD FOR DECORRELATING AN AUDIO SIGNAL  
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**G10L 19/00** ( 2013.01 )  
**G10L 19/02** ( 2013.01 )  
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**A61M 1/16** ( 2006.01 )  
**A61J 1/14** ( 2006.01 )  
**A61J 1/10** ( 2006.01 )  
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**H01F 27/06** ( 2006.01 )  
**H01F 27/245** ( 2006.01 )  
**H01F 27/26** ( 2006.01 )  
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**H01F 27/32** ( 2006.01 )  
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 (54) Method for producing synovial membrane-derived mesenchymal stem cells and method for producing cell preparation for joint treatment  
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**C12N 5/0775** ( 2010.01 )  
**A61K 35/32** ( 2015.01 )  
**A61P 19/02** ( 2006.01 )  
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**G01H 7/00** ( 2006.01 )  
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(71) Genentech, Inc.  
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 (51) Int. Cl.  
**G01N 30/96** ( 2006.01 )  
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**A61K 47/00** ( 2006.01 )  
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(71) Genexine, Inc.; Neolmmune Tech, Inc.  
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 (54) Method for increasing lymphocyte count by using IL-7 fusion protein in tumors  
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**A61K 38/20** ( 2006.01 )  
**C07K 14/54** ( 2006.01 )  
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 (21) 2021205074 (22) 15.07.2021  
 (54) Antibodies binding AXL  
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**C07K 16/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (72) Breij, Esther; Satijn, David; Van Den Brink, Edward Norbert; Verzijl, Dennis; De Jong, Rob N.; Parren, Paul; Van Dijkhuizen Radersma, Riemke  
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(71) GeoVax Inc.  
 (11) AU-B-2021261945  
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 (54) COMPOSITIONS AND METHODS FOR GENERATING AN IMMUNE RESPONSE TO A TUMOR ASSOCIATED ANTIGEN  
 (51) Int. Cl.  
**C07H 21/04** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
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 (72) Robinson, Harriet; Domi, Arban; Hellerstein, Michael; Guirakhoo, Farshad; McCurley, Nathanael Paul  
 (74) Davies Collison Cave Pty Ltd

(71) Getac Technology Corporation  
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**H02J 7/04** ( 2006.01 )  
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 (74) Baxter Patent Attorneys Pty Ltd

(71) Gilead Sciences, Inc.  
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Massey Ventures Limited  
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A61K 9/127 ( 2006.01 )  
A61K 31/40 ( 2006.01 )  
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A61K 31/433 ( 2006.01 )  
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(54) REEL SEAT FOR FISHING ROD, HANDLE MEMBER FOR FISHING ROD, AND FISHING ROD  
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(72) BABBUSH, Ryan; FOWLER, Austin Greig  
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

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(54) Blanks, constructs, and associated methods for induction heating of food products  
(51) Int. Cl.  
B65D 81/34 ( 2006.01 )  
A47J 27/022 ( 2006.01 )  
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H05B 6/12 ( 2006.01 )  
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(54) Carrier for containers  
(51) Int. Cl.  
B65D 71/72 ( 2006.01 )  
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(11) AU-B-2021268683  
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(54) Compositions and methods for the prophylaxis and treatment of fibrotic and inflammatory conditions  
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A61K 31/352 ( 2006.01 )  
A61K 9/00 ( 2006.01 )  
A61K 9/08 ( 2006.01 )  
A61P 9/00 ( 2006.01 )  
A61P 11/00 ( 2006.01 )  
A61P 13/00 ( 2006.01 )  
A61P 17/00 ( 2006.01 )  
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A61P 37/00 ( 2006.01 )  
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(72) CUMMING, Alistair; SNIBSON, Kenneth  
(74) Churchill Attorneys

(71) Guangdong Crystal Island Healthwise Co., Ltd.  
(11) AU-B-2023254995  
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(54) Embedded tank  
(51) Int. Cl.  
E04H 4/12 ( 2006.01 )  
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(72) HE, Zhikeng; LI, Jun; YANG, Faguo; WANG, Zhongming; YU, Guangyang  
(74) A.P.T. Patent and Trade Mark Attorneys

(71) GUANGZHOU TUSUNNY HOME PRODUCTS CO., LTD.  
(11) AU-B-2023203059  
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(54) AUTOMATICALLY LOCKED RE-TRACTABLE PROTECTIVE DOOR SILL  
(51) Int. Cl.  
E06B 9/13 ( 2006.01 )  
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(43) 30.11.2023  
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(72) WANG, Hongjuan  
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(71) Gyros Protein Technologies AB  
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(21) 2019328662 (22) 27.08.2019  
(54) Traceless reductively cleavable linker molecules for peptide purification  
(51) Int. Cl.  
C07C 239/08 ( 2006.01 )  
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C07D 213/24 ( 2006.01 )  
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**(72)** ZITTERBART, Robert; REIMANN, Oliver  
**(74)** James & Wells Intellectual Property

**(71)** Halliburton Energy Services, Inc.  
**(11)** AU-B-2019457191  
**(21)** 2019457191 **(22)** 18.09.2019  
**(54)** Hybrid coiled tubing system  
**(51)** Int. Cl.

*E21B 17/01* ( 2006.01 )  
*E21B 17/02* ( 2006.01 )  
*E21B 17/04* ( 2006.01 )  
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**(74)** Spruson & Ferguson

**(71)** Halliburton Energy Services, Inc.  
**(11)** AU-B-2019472428

**(21)** 2019472428 **(22)** 29.10.2019  
**(54)** Downhole tractor control systems and methods to adjust a load of a downhole motor  
**(51)** Int. Cl.

*E21B 4/18* ( 2006.01 )  
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**(71)** Halliburton Energy Services, Inc.  
**(11)** AU-B-2019479017

**(21)** 2019479017 **(22)** 17.12.2019  
**(54)** Metallic delay barrier coating for swellable packers  
**(51)** Int. Cl.

*E21B 33/127* ( 2006.01 )  
*C22C 23/02* ( 2006.01 )  
*C22C 23/06* ( 2006.01 )

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**(72)** FRIPP, Michael Linley; ZHONG, Xiaoguang Allan; WELLHOEFER, Benjamin Jon  
**(74)** Spruson & Ferguson

**(71)** Heineken Supply Chain B.V.

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**(21)** 2018441050 **(22)** 10.09.2018  
**(54)** Low-alcohol beer  
**(51)** Int. Cl.

*C12C 12/04* ( 2006.01 )  
*C12C 11/00* ( 2006.01 )

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*C12H 3/02* ( 2019.01 )

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**(72)** SMIT, Hilda Els; BROUWER, Eric Richard; BEKKERS, Augustinus Cornelius Aldegonde Petrus Albert; DODERER, Albert  
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**(71)** Heineken Supply Chain B.V.

**(11)** AU-B-2020403355  
**(21)** 2020403355 **(22)** 06.11.2020  
**(54)** Carbonated alcoholic beverage  
**(51)** Int. Cl.

*C12C 12/04* ( 2006.01 )  
*C12F 3/04* ( 2006.01 )  
*C12F 3/06* ( 2006.01 )  
*C12G 3/08* ( 2006.01 )  
*C12H 3/00* ( 2019.01 )

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**(31)** 19215674.3 **(32)** 12.12.19 **(33)** EP  
**(43)** 17.06.2021  
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**(72)** HUIBREGTSE, Suzanna  
**(74)** Griffith Hack

**(71)** Heliponix, LLC

**(11)** AU-B-2019311017  
**(21)** 2019311017 **(22)** 23.07.2019  
**(54)** Automated plant growing system  
**(51)** Int. Cl.

*A01G 31/02* ( 2006.01 )  
*G05B 13/00* ( 2006.01 )

**(87)** WO2020/023504  
**(31)** 62/701,908 **(32)** 23.07.18 **(33)** US  
**(43)** 30.01.2020  
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**(72)** MASSEY, Scott; BALL, Ivan  
**(74)** Griffith Hack

**(71)** Hemispherian AS

**(11)** AU-B-2023210586  
**(21)** 2023210586 **(22)** 02.08.2023  
**(54)** DEOXY- CYTIDINE OR URIDINE DERIVATIVES FOR USE IN CANCER THERAPIES  
**(51)** Int. Cl.

*A61K 31/7068* ( 2006.01 )  
*A61K 31/7072* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )

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**(62)** 2020215801  
**(72)** Robertson, Adam Brian; Prikrylova, Terezia  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Henkel AG & Co. KGaA

**(11)** AU-B-2019358285  
**(21)** 2019358285 **(22)** 18.06.2019  
**(54)** Laundry detergent composition comprising a catechol metal complex compound  
**(51)** Int. Cl.

*C11D 3/16* ( 2006.01 )  
*C07F 5/00* ( 2006.01 )

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**(43)** 16.04.2020  
**(44)** 12.12.2024  
**(72)** MEIER, Frank; JOB, Mareile; KROPF, Christian; PEGELOW, Ulrich  
**(74)** Spruson & Ferguson

**(71)** Hetherington Design & Fabrication Pty Ltd

**(11)** AU-B-2023203138  
**(21)** 2023203138 **(22)** 18.05.2023  
**(54)** A FENCE MOUNTED TRELIS  
**(51)** Int. Cl.

*A01G 9/12* ( 2006.01 )  
*E04H 17/14* ( 2006.01 )  
*E04H 17/16* ( 2006.01 )  
*A01G 17/06* ( 2006.01 )

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**(43)** 07.12.2023  
**(44)** 12.12.2024  
**(72)** Hetherington, Grant  
**(74)** ACROGON GROUP PTY LTD

**(71)** HID Global CID SAS

**(11)** AU-B-2020219403  
**(21)** 2020219403 **(22)** 05.02.2020  
**(54)** Identity management on a mobile device  
**(51)** Int. Cl.

*G06F 21/32* ( 2013.01 )  
*G06F 21/35* ( 2013.01 )  
*H04L 67/02* ( 2022.01 )

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**(43)** 13.08.2020  
**(44)** 12.12.2024  
**(72)** JOGAND-COULOMB, Fabrice  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Hilti Aktiengesellschaft

**(11)** AU-B-2019343280  
**(21)** 2019343280 **(22)** 09.09.2019  
**(54)** Curing agent composition for an epoxy resin compound, epoxy resin compound and multi-component epoxy resin system  
**(51)** Int. Cl.

*C08G 59/50* ( 2006.01 )  
*C08G 59/56* ( 2006.01 )

**(87)** WO2020/058016  
**(31)** 18195417.3 **(32)** 19.09.18 **(33)** EP  
**(43)** 26.03.2020  
**(44)** 12.12.2024  
**(72)** BEHRENS, Nicole  
**(74)** Spruson & Ferguson

**(71)** Hologic, Inc.

**(11)** AU-B-2019342721  
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 (51) Int. Cl.  
*A61B 6/00* ( 2006.01 )  
*H04N 5/30* ( 2006.01 )  
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 (31) 62/732,746 (32) 18.09.18 (33) US  
 (43) 26.03.2020  
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 (72) WILLIAMS, Cornell Lee; POLISCHUK, Brad  
 (74) FB Rice Pty Ltd

(71) Huawei Technologies Co., Ltd.  
 (11) AU-B-2023216847  
 (21) 2023216847 (22) 17.08.2023  
 (54) COMMUNICATION METHOD BETWEEN MULTI-LINK DEVICES AND APPARATUS  
 (51) Int. Cl.  
*H04W 52/02* ( 2009.01 )  
*H04W 72/04* ( 2023.01 )  
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 (72) Gan, Ming; Guo, Yuchen; Li, Yunbo; Liang, Dandan; Yu, Jian; Yang, Mao; Li, Bo  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.  
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 (54) PICTURES WITH MIXED NAL UNIT TYPES  
 (51) Int. Cl.  
*H04N 19/00* ( 2014.01 )  
 (43) 08.02.2024  
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 (72) Wang, Ye-Kui; Hendry, Fnu  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) HUAWEI TECHNOLOGIES CO., LTD.  
 (11) AU-B-2022251417  
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 (54) BEAM FAILURE RECOVERY METHOD AND APPARATUS  
 (51) Int. Cl.  
*H04W 24/04* ( 2009.01 )  
*H04W 72/04* ( 2023.01 )  
 (87) WO2022/206533  
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(71) HUECK FOLIEN GESELLSCHAFT M.B.H.  
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 (54) METHOD FOR PRODUCING POLYMER VALUE PAPERS OR POLYMER SECURITY PAPERS  
 (51) Int. Cl.

*B42D 25/36* ( 2014.01 )  
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 (31) 20198895.3 (32) 29.09.20 (33) EP  
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 (72) MAYRHOFER, Marco  
 (74) FB Rice Pty Ltd

(71) Hydrosave UK Limited  
 (11) AU-B-2019359500  
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 (54) Improvements to vibration release system for pipeline items  
 (51) Int. Cl.  
*F16K 11/00* ( 2006.01 )  
*F16K 29/00* ( 2006.01 )  
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 (31) 1816648.8 (32) 12.10.18 (33) GB  
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 (72) WILLIAMS, Stuart  
 (74) Madderns Pty Ltd

(71) I.C. Medical, Inc.  
 (11) AU-B-2023204127  
 (21) 2023204127 (22) 28.06.2023  
 (54) Ultrapolar electrosurgery blade and ultrapolar electrosurgery blade assembly with conductive cutting edges and top and bottom conductive surfaces  
 (51) Int. Cl.  
*A61B 18/00* ( 2006.01 )  
 (43) 13.07.2023  
 (44) 12.12.2024  
 (62) 2018230707  
 (72) Cosmescu, Ioan  
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**IBSAL (Instituto de Investigación Biomédica de Salamanca) see Universidad Católica San Antonio**  
 (21) 2018311276

(71) ICM Airport Technics Pty Ltd  
 (11) AU-B-2019272041  
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 (54) DEVICE WITH BIOMETRIC SYSTEM  
 (51) Int. Cl.  
*G06V 10/25* ( 2022.01 )  
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*G06T 7/11* ( 2017.01 )  
*G06V 10/75* ( 2022.01 )  
*G06V 10/98* ( 2022.01 )  
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 (72) Landgrebe, Thomas Christopher  
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**llumina, Inc. see University of Washington Through its Center for Commercialization**  
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**Imcheck Therapeutics SAS see INSERM (Institut National de la Santé et de la Recherche Médicale)**  
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*C12N 15/00* ( 2006.01 )  
*C12N 15/81* ( 2006.01 )  
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*H05K 7/20* ( 2006.01 )  
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*A61K 9/00* ( 2006.01 )  
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*F04B 17/00* ( 2006.01 )  
*F04B 35/02* ( 2006.01 )  
*F04D 7/02* ( 2006.01 )  
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 (74) Dentons Patent Attorneys Australasia Limited

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*B01L 9/06* ( 2006.01 )  
*F17C 3/08* ( 2006.01 )  
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*F25D 25/00* ( 2006.01 )  
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*B01D 5/00* ( 2006.01 )  
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*B09C 1/02* ( 2006.01 )  
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 (legalmirror@gmail.com)

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*C07D 307/83* ( 2006.01 )  
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LTD see SHUJING BIOPHARMA CO., LTD**  
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ICAL CO., LTD  
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AGENT FOR LIVE VACCINE, AND  
PREPARATION METHOD AND AP-  
PLICATION THEREOF  
(51) Int. Cl.  
**A61K 47/36** ( 2006.01 )  
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Co.**  
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anomala and n-acetyl glucosamine  
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IGARASHI, Tomoya  
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**A61K 35/76** ( 2015.01 )  
**C12N 7/04** ( 2006.01 )  
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**C09J 179/02** ( 2006.01 )  
**D04H 1/4209** ( 2012.01 )  
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*B62D 11/04* ( 2006.01 )  
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*H02K 7/00* ( 2006.01 )  
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 (51) Int. Cl.  
     **A47L 5/24** ( 2006.01 )  
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 (11) AU-B-2021332899  
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 (54) Apparatus and method for reducing laser beam attenuation in a liquid medium  
 (51) Int. Cl.  
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**G01V 3/08** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(11)** AU-B-2019240110  
**(21)** 2019240110 **(22)** 20.03.2019  
**(54)** Flavor compositions and screening methods for identifying the same  
**(51)** Int. Cl.  
**A23G 1/44** ( 2006.01 )  
**A23L 27/10** ( 2016.01 )  
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**C07K 1/12** ( 2006.01 )  
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**(72)** HOFMANN, Thomas; SALGER, Mathias; STARK, Timo  
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**(71)** MARTIN, T.  
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**(21)** 2023241556 **(22)** 05.03.2023  
**(54)** COMBINED TICKETLESS FLOW-THRU FACIAL RECOGNITION FOR MASS PARTICIPATION EVENT ENTRY AND ITEM FULFILLMENT  
**(51)** Int. Cl.  
**H04N 7/18** ( 2006.01 )  
**G06V 40/16** ( 2022.01 )  
**G07C 9/00** ( 2020.01 )  
**G06Q 10/02** ( 2012.01 )  
**(87)** WO2023/192002  
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**(72)** MARTIN, Todd  
**(74)** SOUTHERN CROSS INTELLECTUAL PROPERTY PTY LTD

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**(21)** 2021212568

**(71)** Mati Therapeutics Inc.  
**(11)** AU-B-2019245436  
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**(54)** Ophthalmic drug sustained release formulation and uses for dry eye syndrome treatment  
**(51)** Int. Cl.  
**A61F 2/02** ( 2006.01 )  
**(87)** WO2019/191700  
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**(43)** 03.10.2019  
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**(72)** UTKHEDE, Deepank; WISEMAN, David; ANDERSON, Koren  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**Mayo Foundation for Medical Education and Research see Exact Sciences Corporation**  
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**(71)** MC2 Therapeutics Limited  
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**(54)** Topical composition  
**(51)** Int. Cl.  
**A61K 9/107** ( 2006.01 )  
**A61K 9/06** ( 2006.01 )  
**A61K 31/69** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 17/06** ( 2006.01 )  
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**(43)** 06.02.2020  
**(44)** 12.12.2024  
**(72)** CRUTCHLEY, Nigel  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Mederis Diabetes, LLC  
**(11)** AU-B-2019205905  
**(21)** 2019205905 **(22)** 03.01.2019  
**(54)** Improved peptide pharmaceuticals for treatment of NASH and other disorders  
**(51)** Int. Cl.  
**A61P 1/16** ( 2006.01 )  
**A61K 31/351** ( 2006.01 )  
**A61K 38/02** ( 2006.01 )  
**A61K 47/64** ( 2017.01 )  
**A61P 13/12** ( 2006.01 )  
**(87)** WO2019/136158  
**(31)** 62/613,396 **(32)** 03.01.18 **(33)** US  
**(43)** 11.07.2019  
**(44)** 12.12.2024  
**(72)** NESTOR, John J.  
**(74)** AJ PARK

**(71)** MediTech Endoscopy Ltd  
**(11)** AU-B-2019362413  
**(21)** 2019362413 **(22)** 15.10.2019  
**(54)** Fluid conduit module for attachment to an endoscope  
**(51)** Int. Cl.  
**A61B 1/00** ( 2006.01 )  
**A61B 1/12** ( 2006.01 )  
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**(31)** 1816769.2 **(32)** 15.10.18 **(33)** GB  
 1905578.9 18.04.19 GB  
**(43)** 23.04.2020  
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**(72)** HAWKER, Michael John; RAMSEY, Peter  
**(74)** A.P.T. Patent and Trade Mark Attorneys

**Medizinische Universität Wien see Universität Für Bodenkultur Wien**  
**(21)** 2019365405

**(71)** Medtronic, Inc  
**(11)** AU-B-2020232019  
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 (51) Int. Cl.  
**A61N 1/05** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
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 (21) 2019212237 (22) 24.01.2019  
 (54) Stabilized RSV F proteins and uses thereof  
 (51) Int. Cl.  
**C07K 14/135** ( 2006.01 )  
**A61K 39/12** ( 2006.01 )  
**A61K 39/155** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
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*C07D 417/04* (2006.01)  
*A61K 31/4155* (2006.01)  
*A61K 31/4178* (2006.01)  
*A61K 31/4192* (2006.01)  
*A61K 31/4245* (2006.01)  
*A61K 31/4433* (2006.01)  
*A61K 31/506* (2006.01)  
*A61P 35/00* (2006.01)  
*C07D 405/04* (2006.01)  
*C07D 405/14* (2006.01)  
*C07D 413/04* (2006.01)  
 (87) WO2022/235575  
 (31) 63/183,366 (32) 03.05.21 (33) US  
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 (72) ANDERSON, Erin Danielle; ARONOW, Sean Douglas; BOYLES, Nicholas A.; CHEN, Xiaohong; DAWADI, Surendra; HICKEY, Eugene R.; IRVIN, Thomas Combs; KESICKI, Edward A.; KNIGHT, Jennifer Lynn; KOLAKOWSKI, Gabrielle R.; KUMAR, Manoj; LONG, Katelyn Frances; MAYNE, Christopher Glenn; PICADO, Alfredo; POTTSCHNIG, Gerit Maria; WANG, Hua-Yu; WELCH, Michael Brian; WIDJAJA, Tien; WRIGHT, Nathan Edward  
 (74) Davies Collison Cave Pty Ltd

(71) PETRA PHARMA CORPORATION  
 (11) AU-B-2022269566  
 (21) 2022269566 (22) 02.05.2022  
 (54) ALLOSTERIC CHROMENONE INHIBITORS OF PHOSPHOINOSITIDE 3-KINASE (PI3K) FOR THE TREATMENT OF DISEASE  
 (51) Int. Cl.  
*C07D 417/04* (2006.01)  
*A61K 31/4155* (2006.01)  
*A61K 31/4178* (2006.01)  
*A61K 31/4192* (2006.01)  
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 (74) Davies Collison Cave Pty Ltd

(71) PICTOMETRY INTERNATIONAL CORP.  
 (11) AU-B-2022256202  
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 (11) AU-B-2022256202  
 (21) 2022256202 (22) 21.10.2022

(54) METHOD AND SYSTEM FOR QUICK SQUARE ROOF REPORTING  
 (51) Int. Cl.  
*G06Q 50/10* (2012.01)  
 (43) 24.11.2022  
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 (72) THORBERRY, Chris T.; THORBERRY, Dale R.  
 (74) Oxygene IP

(71) Pioneer Surgical Technology, Inc.  
 (11) AU-B-2018327353  
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 (54) Intervertebral implants, instruments, and methods  
 (51) Int. Cl.  
*A61F 2/44* (2006.01)  
*A61B 17/58* (2006.01)  
*A61B 17/68* (2006.01)  
*A61B 17/70* (2006.01)  
*A61F 2/30* (2006.01)  
*A61F 2/46* (2006.01)  
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 (31) 62/555,966 (32) 08.09.17 (33) US  
 (43) 14.03.2019  
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 (72) TRUDEAU, Jeffrey L.; KAKUK, Michael D.; HORVATH, Stephen John; BARRON, Katie S.; CARTER, Michael Sibley; SKAW, Brent E.  
 (74) Phillips Ormonde Fitzpatrick

(71) Pipeline Medical Technologies, Inc.  
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 (21) 2019234447 (22) 08.03.2019  
 (54) Method and apparatus for mitral valve chord repair  
 (51) Int. Cl.  
*A61B 17/04* (2006.01)  
*A61F 2/00* (2006.01)  
*A61F 2/02* (2006.01)  
*A61F 2/24* (2006.01)  
 (87) WO2019/177909  
 (31) 62/641,612 (32) 12.03.18 (33) US  
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 (74) Griffith Hack

(71) Preformed Line Products Co.; Briskey, A.; Levac, D.; Johnson, D.; Jones, J.  
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 (21) 2020345776 (22) 09.09.2020  
 (54) Clamp for engaging objects having different exterior dimensions, and a cable management system including such a clamp  
 (51) Int. Cl.  
*G02B 6/44* (2006.01)  
 (87) WO2021/050588  
 (31) 62/897,951 (32) 09.09.19 (33) US  
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 (72) BRISKEY, Ashley Elizabeth; LEVAC, Daniel J.; JOHNSON, Darnell; JONES,



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John Lee; MA, Michael; BECKER, Matthew  
**(74)** KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

**(71)** President and Fellows of Harvard College  
**(11)** AU-B-2017345560  
**(21)** 2017345560 **(22)** 19.10.2017  
**(54)** In vitro and cell based assays for measuring the activity of botulinum neurotoxins  
**(51)** Int. Cl.  
*G01N 33/542* ( 2006.01 )  
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*C12Q 1/66* ( 2006.01 )  
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**(72)** Dong, Min; Yu, Feifan  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

**(71)** Process Interface Design Pty Ltd  
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**(21)** 2021221438 **(22)** 24.08.2021  
**(54)** Belt scale accuracy improvement  
**(51)** Int. Cl.  
*G01G 11/00* ( 2006.01 )  
*G01G 11/04* ( 2006.01 )  
*B65G 15/30* ( 2006.01 )  
**(43)** 16.03.2023  
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**(72)** Lerchbacher, Horst  
**(74)** Process Interface Design Pty Ltd

**(71)** PROFESSIONAL DIETETICS S.p.A.  
**(11)** AU-B-2019293293  
**(21)** 2019293293 **(22)** 02.04.2019  
**(54)** Compositions comprising amino acids for use in the prevention and treatment of liver diseases  
**(51)** Int. Cl.  
*A61K 31/194* ( 2006.01 )  
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*A61P 1/16* ( 2006.01 )  
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**(31)** 10201800006725 **(32)** 27.06.18 **(33)** IT  
**(43)** 02.01.2020  
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**(72)** GIORGETTI, Paolo Luca Maria  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** Prolacta Bioscience, Inc.  
**(11)** AU-B-2023204614  
**(21)** 2023204614 **(22)** 12.07.2023  
**(54)** Human milk products useful in pre- and post-operative care  
**(51)** Int. Cl.  
*A23C 9/20* ( 2006.01 )  
*A23C 9/00* ( 2006.01 )  
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**(43)** 03.08.2023

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**(62)** 2021225228  
**(72)** Elster, Scott; Fournell, Joseph  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Proxygen GmbH  
**(11)** AU-B-2020366135  
**(21)** 2020366135 **(22)** 16.10.2020  
**(54)** Oxazole and thiazole-type cullin ring ubiquitin ligase compounds and uses thereof  
**(51)** Int. Cl.  
*A61P 3/00* ( 2006.01 )  
*A61K 31/4184* ( 2006.01 )  
*A61K 31/427* ( 2006.01 )  
*A61K 31/53* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
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*C07D 401/12* ( 2006.01 )  
*C07D 411/06* ( 2006.01 )  
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**(43)** 22.04.2021  
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**(72)** WINTER, Georg; MAYOR RUIZ, Cristina; KUBICEK, Stefan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Purisys LLC  
**(11)** AU-B-2019335372  
**(21)** 2019335372 **(22)** 05.09.2019  
**(54)** Cannabidiol compositions having modified cannabinoid profiles  
**(51)** Int. Cl.  
*C07C 37/00* ( 2006.01 )  
*C07C 37/14* ( 2006.01 )  
*C07C 37/62* ( 2006.01 )  
*C07C 39/23* ( 2006.01 )  
*C07C 39/24* ( 2006.01 )  
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**(31)** 62/727,442 **(32)** 05.09.18 **(33)** US  
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**(43)** 12.03.2020  
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**(72)** HALLOW, Daniel M.; HE, Jun; DOBISH, Mark C.; PETROVIC, Denis; MKRTCHYAN, Gnel  
**(74)** Griffith Hack

**(71)** QFE Holdings Pty. Ltd.  
**(11)** AU-B-2023203331  
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**(54)** Dual Control Materials Spreading Vehicle  
**(51)** Int. Cl.  
*E01C 19/20* ( 2006.01 )  
*B62D 1/00* ( 2006.01 )  
*E01C 19/48* ( 2006.01 )  
**(43)** 22.06.2023  
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**(62)** 2020307144  
**(72)** LAYCOCK, Graham; HARDIMAN, Glenn Francis; TAYLOR, David Redfern  
**(74)** PIPERS

**(71)** QHeart Medical Pty Ltd  
**(11)** AU-B-2019225386  
**(21)** 2019225386 **(22)** 21.02.2019  
**(54)** A collapsible and adjustable vessel treatment device and advanced cuff with independent and dynamically controlled charge and discharge modes for a vessel or sac wall treatment and a cardiac assist device  
**(51)** Int. Cl.  
*A61M 60/126* ( 2021.01 )  
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**(43)** 29.08.2019  
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**(72)** LOWRY, Adrian Jeffery; NEELI, MadhusudanRao; ROMERO, David; AMAYA CATAÑO, Jorge Alberto; WALSH, Peter William  
**(74)** Peter Walsh

**(71)** QINGDAO UNIVERSITY OF TECHNOLOGY  
**(11)** AU-B-2022462005  
**(21)** 2022462005 **(22)** 21.12.2022  
**(54)** BIONIC DESERT BEETLE SELF-TRANSPORTING BONE MICROGRINDING HEAD AND MANUFACTURING PROCESS THEREFOR  
**(51)** Int. Cl.  
*A61B 17/16* ( 2006.01 )  
*B05D 5/04* ( 2006.01 )  
*C25D 15/00* ( 2006.01 )  
**(87)** WO2023/246034  
**(31)** 202210706253.5 **(32)** 21.06.22 **(33)** CN  
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**(72)** YANG, Min; KONG, Ming; YANG, Yuying; LI, Changhe; ZHOU, Zongming; ZHANG, Naiqing; LI, Runze  
**(74)** Collison & Co

**(71)** QRS Music Technologies, Inc.  
**(11)** AU-B-2019207800  
**(21)** 2019207800 **(22)** 10.01.2019  
**(54)** Musical activity system  
**(51)** Int. Cl.  
*G10H 1/00* ( 2006.01 )  
*G10G 1/00* ( 2006.01 )  
**(87)** WO2019/140106  
**(31)** 62/615,719 **(32)** 10.01.18 **(33)** US  
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**(72)** DOLAN, Thomas A.; COOK, Jarrod; YOST, Aaron; SHIREY, Daniel; WELCH, Parker  
**(74)** Spruson & Ferguson

**(71)** Qualcomm Incorporated  
**(11)** AU-B-2020218528  
**(21)** 2020218528 **(22)** 06.02.2020  
**(54)** Sounding reference signal (SRS) resource and resource set configurations for positioning  
**(51)** Int. Cl.  
*H04L 5/00* ( 2006.01 )

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**(43)** 13.08.2020  
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**(72)** MANOLAKOS, Alexandros;  
 AKKARAKARAN, Sony; FISCHER,  
 Sven  
**(74)** Madderns Pty Ltd

**(71)** Quimatrix, S.L.; Fundación Kertor  
**(11)** AU-B-2020259100  
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**(54)** 1,3,4-oxadiazole derivatives as histone  
 deacetylase inhibitors  
**(51)** Int. Cl.

**C07D 413/14** ( 2006.01 )  
**A61K 31/4245** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 413/10** ( 2006.01 )

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**(31)** 19382306.9 **(32)** 17.04.19 **(33)** EP  
**(43)** 22.10.2020  
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**(72)** VARA SALAZAR, Yosu Ion; ALDABA  
 ARÉVALO, Eneko; BELLO IGLESIAS,  
 Tamara; ROBERTS, Richard Spurring;  
 SIMÓN BUELA, Laureano; BREA, José  
 Manuel; CARRACEDO, Ángel; LOZA  
 GARCÍA, María Isabel  
**(74)** Collison & Co

**(71)** Rahan Meristem (1998) Ltd  
**(11)** AU-B-2018333148  
**(21)** 2018333148 **(22)** 13.09.2018  
**(54)** A method for producing banana plants  
 with tolerance to Fusarium oxysporum  
 Cubensis TR4  
**(51)** Int. Cl.

**A01H 1/06** ( 2006.01 )  
**A01H 6/00** ( 2018.01 )

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**(31)** 62/558,463 **(32)** 14.09.17 **(33)** US  
**(43)** 21.03.2019  
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**(72)** KHAYAT, Eli  
**(74)** Collison & Co

**(71)** Rainmaker Solutions, Inc.  
**(11)** AU-B-2019210328  
**(21)** 2019210328 **(22)** 22.01.2019  
**(54)** Hydration system and components  
 thereof  
**(51)** Int. Cl.

**A42B 3/04** ( 2006.01 )  
**A42B 3/00** ( 2006.01 )  
**F16L 37/00** ( 2006.01 )

**(87)** WO2019/144122  
**(31)** 15/874,878 **(32)** 19.01.18 **(33)** US  
**(43)** 25.07.2019  
**(44)** 12.12.2024  
**(72)** STAHL, Robert Gregory; JAEGER,  
 Eduard Albert; BOWLES, Jacob Timm  
**(74)** Spruson & Ferguson

**(71)** Raytheon Company  
**(11)** AU-B-2020427910  
**(21)** 2020427910 **(22)** 09.10.2020  
**(54)** Systems and methods for multipath  
 beam nulling  
**(51)** Int. Cl.

**G01S 7/02** ( 2006.01 )

**(87)** WO2021/158266  
**(31)** 16/708,478 **(32)** 10.12.19 **(33)** US  
**(43)** 12.08.2021  
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**(72)** PAUPLIS, Barbara; VONGOELER,  
 Friedel S.  
**(74)** RnB IP Pty Ltd

**(71)** Recordati Industria Chimica e Farma-  
 ceutica SpA  
**(11)** AU-B-2019273612  
**(21)** 2019273612 **(22)** 17.05.2019  
**(54)** New salt of cysteamine for the prepara-  
 tion of highly respirable particles  
**(51)** Int. Cl.

**A61K 9/00** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 31/145** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 11/12** ( 2006.01 )

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**(31)** 18425038.9 **(32)** 22.05.18 **(33)** EP  
**(43)** 28.11.2019  
**(44)** 12.12.2024  
**(72)** COLOMBO, Paolo; ROSSI, Alessandra;  
 ADORNI, Greta; BARCHIELLI, Marco  
**(74)** James & Wells Intellectual Property

**(71)** Regeneron Pharmaceuticals, Inc.  
**(11)** AU-B-2022246438  
**(21)** 2022246438 **(22)** 06.10.2022  
**(54)** METHODS AND SYSTEMS FOR  
 CHROMATOGRAPHY DATA ANALYSIS  
**(51)** Int. Cl.

**G01N 30/86** ( 2006.01 )  
**G01N 30/88** ( 2006.01 )

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**(62)** 2017350807  
**(72)** Mao, Nathan; Shierly, Eric; Schilling,  
 Bernhard; Carver, Scott; McDermott,  
 Stefanie; Mattila, John; Bak, Hanne  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** REGENLIFE  
**(11)** AU-B-2019220503  
**(21)** 2019220503 **(22)** 18.02.2019  
**(54)** Optical guide for diffusing light radi-  
 ation, module and device for transcu-  
 taneous irradiation, in particular trans-  
 cranial irradiation  
**(51)** Int. Cl.

**A61N 5/06** ( 2006.01 )

**(87)** WO2020/094932  
**(31)** 18 60201 **(32)** 06.11.18 **(33)** FR  
 19 02919 21.03.19 FR  
**(43)** 14.05.2020

**(71)** Relievent Medsystems, Inc.  
**(11)** AU-B-2023204019  
**(21)** 2023204019 **(22)** 26.06.2023  
**(54)** Systems and methods for creating  
 curved paths through bone and modu-  
 lating nerves within the bone  
**(51)** Int. Cl.

**A61B 17/16** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**A61B 17/70** ( 2006.01 )  
**A61B 18/12** ( 2006.01 )

**(43)** 13.07.2023  
**(44)** 12.12.2024  
**(62)** 2021200382  
**(72)** PATEL, Samit; PELLEGRINO, Richard;  
 FLAGLER, Robert  
**(74)** Spruson & Ferguson

**(71)** Renibus Therapeutics, Inc.  
**(11)** AU-B-2019272960  
**(21)** 2019272960 **(22)** 24.05.2019  
**(54)** Methods of treating patients at risk for  
 renal injury and renal failure  
**(51)** Int. Cl.

**G01N 33/68** ( 2006.01 )

**(87)** WO2019/227055  
**(31)** 62/715,508 **(32)** 07.08.18 **(33)** US  
 62/676,157 24.05.18 US  
**(43)** 28.11.2019  
**(44)** 12.12.2024  
**(72)** ZAGER, Richard A.; KEYSER, Donald  
 Jeffrey; GUILLEM, Alvaro F.  
**(74)** Griffith Hack

**(71)** Rodgers, T.  
**(11)** AU-B-2019201263  
**(21)** 2019201263 **(22)** 22.02.2019  
**(54)** SECURE COVER FOR LUGGAGE  
**(51)** Int. Cl.

**A45C 13/18** ( 2006.01 )  
**A45C 13/00** ( 2006.01 )  
**A45C 13/38** ( 2006.01 )

**(31)** 2018900564 **(32)** 22.02.18 **(33)** AU  
**(43)** 05.09.2019  
**(44)** 12.12.2024  
**(72)** Rodgers, Tim  
**(74)** Michael Buck IP

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 (72) HAON, Bruno; LEMAIRE, Gauthier; MUGNIER, Jérôme; NAVORET, Stéphane  
 (74) Spruson & Ferguson

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(71) ROUSSELOT BV  
 (11) AU-B-2024255587  
 (21) 2024255587 (22) 11.04.2024  
 (54) THE USE OF FATTY ALCOHOL POLYGLYCOL ETHER TO REDUCE ENDOTOXIN ACTIVITY AND/OR ENDOTOXINS IN COLLAGEN-CONTAINING AND/OR COLLAGEN-DERIVED PRODUCTS  
 (51) Int. Cl.  
*C08L 89/06* ( 2006.01 )  
*A61K 38/01* ( 2006.01 )  
*C07K 1/14* ( 2006.01 )  
*C07K 14/78* ( 2006.01 )  
 (87) WO2024/213643  
 (31) BE2023/5269 (32) 11.04.23 (33) BE  
 (43) 17.10.2024  
 (44) 12.12.2024  
 (72) VAN DER MEEREN, Ruben Jean Antoinette; ASDI BASKORO SEJATI, Daniel  
 (74) Griffith Hack

**RSEM, SOCIÉTÉ EN COMMANDITE see Unity Biotechnology, Inc.**  
 (21) 2023251388

(71) RSP Systems A/S  
 (11) AU-B-2023200496  
 (21) 2023200496 (22) 31.01.2023  
 (54) ANALYTE DETECTION APPARATUS AND METHOD OF DETECTING AN ANALYTE  
 (51) Int. Cl.  
*G01J 3/02* ( 2006.01 )  
*G01J 3/12* ( 2006.01 )  
*G01J 3/18* ( 2006.01 )  
*G01J 3/28* ( 2006.01 )  
*G01J 3/36* ( 2006.01 )  
*G01J 3/44* ( 2006.01 )  
 (43) 02.03.2023  
 (44) 12.12.2024  
 (62) 2017370838  
 (72) BANKE, Stefan Ovesen  
 (74) Baxter Patent Attorneys Pty Ltd

(71) Rubber Nano Products (Proprietary) Limited  
 (11) AU-B-2019212316  
 (21) 2019212316 (22) 11.01.2019  
 (54) Polymer based vulcanization compositions and method for preparing the compositions  
 (51) Int. Cl.  
*C08K 5/00* ( 2006.01 )  
*C08J 3/22* ( 2006.01 )  
*C08J 3/24* ( 2006.01 )  
*C08K 5/39* ( 2006.01 )  
*C08K 5/47* ( 2006.01 )  
*C08L 29/04* ( 2006.01 )

*C08L 71/02* ( 2006.01 )  
 (87) WO2019/145808  
 (31) 2020311 (32) 24.01.18 (33) NL  
 (43) 01.08.2019  
 (44) 12.12.2024  
 (72) BOSCH, Robert Michael; WILLIAMS, Damian  
 (74) FB Rice Pty Ltd

(71) Sakura Finetek U.S.A., Inc.  
 (11) AU-B-2023200955  
 (21) 2023200955 (22) 17.02.2023  
 (54) Tissue cassette reader  
 (51) Int. Cl.  
*G01N 35/00* ( 2006.01 )  
*G01N 1/31* ( 2006.01 )  
*G01N 1/36* ( 2006.01 )  
*G03B 42/08* ( 2021.01 )  
*G06V 10/12* ( 2022.01 )  
 (31) 17/988,685 (32) 16.11.22 (33) US  
 (43) 30.05.2024  
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*H04N 19/186* ( 2014.01 )  
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*A61K 9/127* (2006.01)  
*A61K 9/51* (2006.01)  
*A61K 31/7105* (2006.01)  
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*C07C 211/58* (2006.01)  
*C07C 219/06* (2006.01)  
*C07C 219/14* (2006.01)  
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*C07C 229/24* (2006.01)  
*C07C 229/30* (2006.01)  
*C07C 233/36* (2006.01)  
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*C07C 271/12* (2006.01)  
*C07C 271/20* (2006.01)  
*C07D 211/58* (2006.01)  
*C07F 9/22* (2006.01)  
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 (72) YING, Bo; WANG, Xiulian  
 (74) Churchill Attorneys

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*A01N 43/56* (2006.01)  
*A01P 1/00* (2006.01)  
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 (54) MICROBICIDAL PYRAZOLE DERIVATIVES  
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*A01N 43/80* (2006.01)  
*A01N 43/82* (2006.01)  
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**H04N 19/70** ( 2014.01 )  
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**H04N 21/234** ( 2011.01 )  
**G06T 9/00** ( 2006.01 )  
**H03M 7/30** ( 2006.01 )  
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**A61M 5/31** ( 2006.01 )  
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**C05C 9/00** ( 2006.01 )  
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**A61N 1/05** ( 2006.01 )  
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**C07D 487/04** ( 2006.01 )  
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**C07K 14/005** ( 2006.01 )  
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 A61K 47/60 ( 2017.01 )  
 A61L 24/00 ( 2006.01 )  
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 A61L 27/50 ( 2006.01 )  
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 A41B 9/00 ( 2006.01 )  
 A41B 9/02 ( 2006.01 )  
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 A41B 9/12 ( 2006.01 )  
 A61F 5/44 ( 2006.01 )  
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B07C 5/36 ( 2006.01 )  
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 H01L 25/16 ( 2023.01 )  
 H01L 31/075 ( 2012.01 )  
 H01L 31/077 ( 2012.01 )  
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 A61P 25/28 ( 2006.01 )  
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 A61K 31/197 ( 2006.01 )  
 A61K 45/00 ( 2006.01 )  
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 (21) 2023251435

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**G21B 1/05** ( 2006.01 )  
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 (72) SHUMLAK, Uri; NELSON, Brian A.; MEIER, Eric T.  
 (74) FB Rice Pty Ltd

(71) ZEBRA TECHNOLOGIES CORPORATION  
 (11) AU-B-2022249098  
 (21) 2022249098 (22) 18.01.2022  
 (54) COMPACT DUAL-LED ILLUMINATION SYSTEM  
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**H01L 27/15** ( 2006.01 )  
**F21V 5/00** ( 2018.01 )  
**G02F 1/1335** ( 2006.01 )  
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 (72) GUREVICH, Vladimir; TU, Qing  
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(71) ZEBRA TECHNOLOGIES CORPORATION  
 (11) AU-B-2022281293  
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 (54) IMAGING LENS SYSTEM AND SCAN ENGINE CHASSIS  
 (51) Int. Cl.  
**G06K 7/10** ( 2006.01 )  
**G02B 26/10** ( 2006.01 )  
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 (72) WITTENBERG, Carl D.; SEIMS, JR., Gary V.; ROEDIG, Robert T.  
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Zedira GmbH see Dr. Falk Pharma GmbH  
 (21) 2021258498

(71) ZETCO VALVES PTY LTD.  
 (11) AU-B-2021200123  
 (21) 2021200123 (22) 11.01.2021  
 (54) Gas Cooker Isolation Valve  
 (51) Int. Cl.  
**F16K 27/06** ( 2006.01 )  
**F16K 5/06** ( 2006.01 )  
**F17D 1/04** ( 2006.01 )  
**F16L 15/00** ( 2006.01 )  
**F16L 19/02** ( 2006.01 )  
**F24C 3/12** ( 2006.01 )  
 (31) 2020900133 (32) 17.01.20 (33) AU  
 (43) 05.08.2021  
 (44) 12.12.2024  
 (72) WALKER, Matthew; SAPIENZA, Ben; MICHAELS, Scott; MALCOTTI, Stefano  
 (74) Fraser Old & Sohn

(71) ZHEJIANG HISUN PHARMACEUTICAL CO., LTD.  
 (11) AU-B-2022291920  
 (21) 2022291920 (22) 15.06.2022  
 (54) HYBUTIMIBE INTERMEDIATE AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
**C07C 303/40** ( 2006.01 )  
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 (72) LI, Xufei; WU, Jinlong; ZHANG, Yong; ZHANG, Yuncai; XU, Xiaojie; CHEN, Lei; WANG, Xiaoming; CHEN, Yanan; JIN, Meichun; ZHOU, Yaqian; ZHAN, Dongkai  
 (74) FPA Patent Attorneys Pty Ltd

(71) Zoetis Services LLC  
 (11) AU-B-2019325342  
 (21) 2019325342 (22) 22.08.2019  
 (54) Microfluidic rotor device  
 (51) Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**G01N 21/07** ( 2006.01 )  
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 (72) SHARTLE, Robert Justice; TRIGUB, Gregory  
 (74) Spruson & Ferguson

Zoetis Services LLC see United States of America, as represented by the Secretary of Agriculture  
 (21) 2021257973

(71) ZTE CORPORATION  
 (11) AU-B-2020473569  
 (21) 2020473569 (22) 19.10.2020  
 (54) SYSTEM AND METHOD FOR DETERMINING TRANSMISSION INFORMATION  
 (51) Int. Cl.  
**H04W 48/12** ( 2009.01 )  
 (87) WO2022/082335  
 (43) 28.04.2022  
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 (72) PAN, Yu; JIANG, Chuangxin; LI, Gang; ZHANG, Shujuan; GAO, Bo; LU, Zhao-hua; HE, Zhen  
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(71) ZTE CORPORATION  
 (11) AU-B-2021466220  
 (21) 2021466220 (22) 28.09.2021  
 (54) SEGMENTED PRE-COMPENSATION MANAGEMENT TECHNIQUES  
 (51) Int. Cl.  
**H04W 74/08** ( 2009.01 )  
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 (72) CUI, Fangyu; ZHANG, Nan; DAI, Jian-qiang  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) ZTE CORPORATION  
 (11) AU-B-2021473992  
 (21) 2021473992 (22) 16.11.2021  
 (54) SYSTEMS, METHODS, AND NON-TRANSITORY PROCESSOR-READABLE MEDIA FOR DETERMINING DE-MODULATION REFERENCE SIGNALS  
 (51) Int. Cl.  
**H04W 48/00** ( 2009.01 )  
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 (72) XIAO, Kai; LIU, Xing; SHI, Jing; HAO, Peng; XUE, Fei  
 (74) Spruson & Ferguson

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<b>2017345560</b>	President and Fellows of Harvard College	<b>2019213456</b>	Electrolux Appliances Aktiebolag
<b>2017348180</b>	Janssen Pharmaceutica NV	<b>2019215811</b>	University Health Network
<b>2017360094</b>	Alligator Bioscience AB	<b>2019216781</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services
<b>2017376780</b>	The Board of Trustees of the Leland Stanford Junior University; Novome Biotechnologies, Inc.	<b>2019216971</b>	Otolith Sound Inc.
<b>2017387041</b>	The Rockefeller University; California Institute of Technology	<b>2019217982</b>	ConXtech, Inc.
<b>2018200408</b>	SECMAIR	<b>2019218263</b>	Oxford Nanopore Technologies plc
<b>2018201581</b>	ECOFUEL TECHNOLOGIES LTD	<b>2019218271</b>	Forty Seven, LLC
<b>2018219148</b>	Lamb Weston, Inc.	<b>2019220503</b>	REGEnLIFE
<b>2018243920</b>	Ohio State Innovation Foundation; Mayo Foundation for Medical Education and Research	<b>2019222813</b>	NATIONAL RESEARCH COUNCIL OF CANADA
<b>2018247367</b>	DEKA AUSTRALIA PTY LTD	<b>2019222871</b>	Johnson & Johnson Consumer Inc.
<b>2018252193</b>	Tallac Therapeutics, Inc.	<b>2019222872</b>	Johnson & Johnson Consumer Inc.
<b>2018256603</b>	Castlebrite Pte Ltd	<b>2019224826</b>	Newronika S.P.A
<b>2018264455</b>	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.	<b>2019225386</b>	QHeart Medical Pty Ltd
<b>2018265408</b>	BayMedica, Inc.	<b>2019226170</b>	WIREMAN PTY LIMITED
<b>2018268970</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services	<b>2019226419</b>	The Secretary of State for Defence
<b>2018272831</b>	Takeda Pharmaceutical Company Limited	<b>2019227823</b>	The Regents of the University of Colorado, a Body Corporate
<b>2018282728</b>	The University of North Carolina at Chapel Hill	<b>2019230022</b>	Indiana University Research and Technology Corporation
<b>2018292105</b>	Codexis, Inc.	<b>2019231656</b>	Scion NeuroStim, Inc.
<b>2018311276</b>	Universidad Catolica San Antonio; Alzheimer 2012 S.L.; IBSAL (Instituto de Investigación Biomédica de Salamanca); Universidad de Salamanca	<b>2019234447</b>	Pipeline Medical Technologies, Inc.
<b>2018324195</b>	Venn Biosciences Corporation	<b>2019234578</b>	TempTime Corporation
<b>2018327353</b>	Pioneer Surgical Technology, Inc.	<b>2019240110</b>	Mars, Incorporated
<b>2018328324</b>	Ludwig Institute for Cancer Research Ltd	<b>2019240613</b>	Layfield Group Ltd.
<b>2018333148</b>	Rahan Meristem (1998) Ltd	<b>2019240758</b>	Two-Tag Holdings Pty Ltd
<b>2018335955</b>	INSERM (Institut National de la Santé et de la Recherche Médicale); Centre National de la Recherche Scientifique - CNRS -; Imcheck Therapeutics SAS; Institut Jean Paoli & Irene Calmettes; Université d'Aix-Marseille	<b>2019240785</b>	Knauf Insulation SPRL
<b>2018338314</b>	Kymera Therapeutics, Inc	<b>2019240811</b>	Societe des Produits Nestle S.A.
<b>2018360867</b>	Tricida, Inc.	<b>2019243731</b>	Datascope Corp.
<b>2018366163</b>	Mölnlycke Health Care AB	<b>2019245436</b>	Mati Therapeutics Inc.
<b>2018371063</b>	4basebio SI	<b>2019246226</b>	Brain Corp SA
<b>2018372632</b>	Front Line Medical Technologies Inc.	<b>2019247379</b>	Metal Powder Works, LLC
<b>2018374176</b>	Exact Sciences Corporation; Mayo Foundation for Medical Education and Research	<b>2019253818</b>	WinField Solutions, LLC
<b>2018380959</b>	Chr. Hansen HMO GmbH	<b>2019254515</b>	Combioxin SA
<b>2018383098</b>	Tonix Pharma Holdings Limited	<b>2019255723</b>	Anderson, M.
<b>2018387476</b>	Clearvue Technologies Ltd	<b>2019257406</b>	WinField Solutions, LLC
<b>2018408879</b>	The New Zealand Institute for Plant and Food Research Limited	<b>2019259382</b>	ENEOS Corporation
<b>2018428605</b>	NUSEED NUTRITIONAL US INC.	<b>2019259863</b>	Combilift
<b>2018430193</b>	Mainetec Pty Ltd	<b>2019260124</b>	F. Hoffmann-La Roche AG
<b>2018435421</b>	MC2 Therapeutics Limited	<b>2019260418</b>	Amgen Inc.
<b>2018441050</b>	Heineken Supply Chain B.V.	<b>2019261745</b>	L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
<b>2018447667</b>	Kimberly-Clark Worldwide, Inc.	<b>2019263157</b>	Align Technology, Inc.
<b>2019200182</b>	Deere & Company	<b>2019264618</b>	Van Bergen, J.; Van Bergen, M.
<b>2019201263</b>	Rodgers, T.	<b>2019265782</b>	Boston Scientific Medical Device Limited
<b>2019202046</b>	FEI Company	<b>2019268955</b>	Olipass Corporation
<b>2019202609</b>	VATER, L.	<b>2019269643</b>	Dentsply Sirona Inc.
<b>2019203572</b>	Axens	<b>2019270136</b>	Wagner Group GmbH
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<b>2019205905</b>	Mederis Diabetes, LLC	<b>2019273612</b>	Recordati Industria Chimica e Farmaceutica SpA
<b>2019205974</b>	Eaton Intelligent Power Limited	<b>2019273870</b>	Morphocell Technologies Inc.
<b>2019207800</b>	QRS Music Technologies, Inc.	<b>2019275351</b>	The Regents of The University of California
<b>2019208187</b>	Electrolux Appliances Aktiebolag	<b>2019277344</b>	Baxter International Inc.; Baxter Healthcare SA
<b>2019208345</b>	Wilcox, I.	<b>2019280151</b>	Trudell Medical International Inc.
<b>2019210328</b>	Rainmaker Solutions, Inc.	<b>2019280688</b>	Elemental Scientific Lasers, LLC
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<b>2019212237</b>	Merck Sharp & Dohme LLC	<b>2019281144</b>	Lesaffre et Compagnie
<b>2019212316</b>	Rubber Nano Products (Proprietary) Limited	<b>2019284005</b>	Aurora Flight Sciences Corporation
		<b>2019293293</b>	PROFESSIONAL DIETETICS S.p.A.
		<b>2019294552</b>	Manneschi, A.
		<b>2019294943</b>	Starsprings AB
		<b>2019296843</b>	Shanghai Green Valley Pharmaceutical Co., Ltd.; Shanghai Institute of Materia Medica, Chinese Academy of Sciences
		<b>2019303904</b>	Bayer Aktiengesellschaft; Bayer CropScience Aktiengesellschaft

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2019335372	Purisys LLC	2020310850	Taylor Commercial Foodservice, LLC
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2019342721	Hologic, Inc.	2020343018	Genexine, Inc.; Neolmmune Tech, Inc.
2019343280	Hilti Aktiengesellschaft	2020345776	Preformed Line Products Co.; Briskey, A.; Levac, D.; Johnson, D.; Jones, J.
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2019354831	Itron, Inc.	2020453568	Yamaha Hatsudoki Kabushiki Kaisha
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2019355141	INVIDI Technologies Corporation	2020462129	Sekisui House, Ltd.
2019358285	Henkel AG & Co. KGaA	2020473185	LONG, S.
2019358647	Novelty Nobility Inc.	2020473569	ZTE CORPORATION
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2019359500	Hydrosave UK Limited	2021202552	Alnylam Pharmaceuticals, Inc.
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2019364887	Komatsu Forest AB	2021221438	Process Interface Design Pty Ltd
2019365405	Universität Für Bodenkultur Wien; Medizinische Universität Wien	2021233823	ThinX Inc.
2019368545	BitStrata Systems Inc.	2021245196	California Institute of Technology
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2019383850	IQIP HOLDING B.V.	2021258498	Dr. Falk Pharma GmbH; Zedira GmbH
2019384065	The Trustees of Indiana University	2021260856	Dr. Falk Pharma GmbH
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2020217435	Eco Benchtops Pty Ltd	2021354049	Solidification Products International, Inc.
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2021390484	BOSTON SCIENTIFIC SCIMED, INC.	2022287893	ZAP ENERGY, INC.
2021397069	CJ Cheiljedang Corporation	2022291457	National University Corporation Nagoya University; Osaka University; Nichia Corporation
2021400809	MERCK SHARP & DOHME LLC	2022291491	Align Technology, Inc.
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2021411747	PALEO B.V.	2022291517	Genentech, Inc.
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2021441047	CHIYODA CORPORATION	2022298651	BOSTON SCIENTIFIC SCIMED, INC.
2021443821	BEIJING GOLDWIND CARBON NEUTRAL ENERGY CO., LTD.	2022300129	SIEMENS ENERGY GLOBAL GMBH & CO. KG
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2021446611	TIANJIN MEITENG TECHNOLOGY CO., LTD.	2022302792	SUBMERSED TECHNOLOGIES PP1 AB
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2021456077	DEEPCURE INC.	2022316393	JIANGSU CHIA TAI FENGHAI PHARMACEUTICAL CO., LTD.
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2022215058	WONDERLAND SWITZERLAND AG	2023200885	Snap-on Incorporated
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2022259731	Shifamed Holdings, LLC	2023204614	Prolacta Bioscience, Inc.
2022263469	Fisher & Paykel Healthcare Limited	2023206076	Nextracker LLC
2022263589	Snap-on Incorporated	2023206119	Verisure Sàrl
2022264736	UNILEVER GLOBAL IP LIMITED	2023206241	SUPACELL PTY LTD
2022267813	Solar Foods Oyj	2023208095	Willand (Beijing) Technology Co., LTD.
2022268278	Fisher & Paykel Healthcare Limited	2023210586	Hemispherian AS
2022268391	Applied Medical Resources Corporation	2023211068	SUVEN LIFE SCIENCES LIMITED
2022269566	PETRA PHARMA CORPORATION	2023214341	Taylor, A.
2022271479	The Regents of the University of California	2023216847	Huawei Technologies Co., Ltd.
2022279447	Globeride, Inc.	2023216868	SHANDONG LI DE FITNESS CO., LTD
2022281293	ZEBRA TECHNOLOGIES CORPORATION	2023216871	ACO Ahlmann SE & Co. KG



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2023219969	Niantic, Inc.
2023222877	Barco N.V.
2023229526	Agency for Defense Development
2023229546	Terumo Kabushiki Kaisha
2023237162	Apple Inc.
2023241553	BUTLR TECHNOLOGIES, INC.
2023241556	MARTIN, T.
2023251388	Unity Biotechnology, Inc.; RSEM, SOCIÉTÉ EN COM- MANDITE
2023251435	Trina Solar Co., Ltd; Trina Solar (Changzhou) Science & Technology Co., Ltd
2023252685	AHAY SOCIETY PTY LTD
2023254995	Guangdong Crystal Island Healthwise Co., Ltd.
2023255048	Cixi Bosheng Plastic Co., Ltd.
2023258362	METROMAX AMERICA CORPORATION
2023258397	JINYUBAOLING BIO-PHARMACEUTICAL CO., LTD
2023263425	Siemens Mobility, Inc.
2023263491	BEIJING EACON TECHNOLOGY CO. , LTD.
2023264480	MINIMAX VIKING PATENT MANAGEMENT GMBH
2023265062	ANELLOTECH, INC.
2023266356	Apple Inc.
2023270181	ACTIV'INSIDE
2023274022	GENELEC OY
2023274118	Actelion Pharmaceuticals Ltd
2023274121	Getac Technology Corporation
2023282245	Lumenis Ltd
2023284998	FRONIUS INTERNATIONAL GMBH
2023285836	Chongqing Changan Automobile Co., Ltd.
2023285859	Apple Inc.
2023351340	COOPERVISION INTERNATIONAL LIMITED
2023433487	INCELLS CO.,LTD
2024200437	Huawei Technologies Co., Ltd.
2024200678	Samsung Electronics Co., Ltd.
2024200679	Samsung Electronics Co., Ltd.
2024200680	Samsung Electronics Co., Ltd.
2024201098	Magic Leap, Inc.
2024201320	Nokia Technologies Oy
2024202122	TANAR CORP.
2024204285	Flat Planet Limited
2024219945	JGB INNOVATIONS PTY LTD
2024255587	ROUSSELOT BV
2024264584	Jiang, C.

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<b><u>A01G 17 /-</u></b>	2022210374 2022323303 2023202412	<b><u>A23L 33 /-</u></b>	2021310265	2019352500 2019384794 2019405880	<b><u>A61G 13 /-</u></b>
2023203138		2018380959	<b><u>A47J 36 /-</u></b>	2020218150	2019212203
<b><u>A01G 25 /-</u></b>	<b><u>A01N 63 /-</u></b>	2019277344	2021310265	2021289264	<b><u>A61G 7 /-</u></b>
2019208345	2019303904	2021332899	<b><u>A47J 41 /-</u></b>	2021350163	2019212203
<b><u>A01G 27 /-</u></b>	<b><u>A01P 1 /-</u></b>	2022267813	2019240811	2022271479	
2019208345	2022210374	2022342994	<b><u>A47J 43 /-</u></b>	2022291491	<b><u>A61H 1 /-</u></b>
<b><u>A01G 31 /-</u></b>	<b><u>A01P 3 /-</u></b>	<b><u>A23L 7 /-</u></b>	2019240811	2023201484	2019280971
2019208345	2022323303	2021356474	<b><u>A47L 13 /-</u></b>	2023222877	
2019311017	<b><u>A23C 19 /-</u></b>	<b><u>A23P 10 /-</u></b>	2019202046	<b><u>A61B 6 /-</u></b>	<b><u>A61H 21 /-</u></b>
<b><u>A01G 9 /-</u></b>	2021286442	2018380959	2019342721	2019202046	2020218150
2019208345	<b><u>A23C 9 /-</u></b>	<b><u>A23P 30 /-</u></b>	<b><u>A61B 90 /-</u></b>	2019342721	<b><u>A61H 23 /-</u></b>
2023203138	2023204614	2018380959	2019265782	<b><u>A61C 13 /-</u></b>	2019216971
<b><u>A01H 1 /-</u></b>	<b><u>A23D 9 /-</u></b>	<b><u>A24D 1 /-</u></b>	2019386315	2019263157	2020218150
2018333148	2018428605	2022218597	<b><u>A47L 5 /-</u></b>	2022256034	<b><u>A61J 1 /-</u></b>
2022218597	<b><u>A23G 1 /-</u></b>	<b><u>A24F 47 /-</u></b>	2023201861	<b><u>A61C 19 /-</u></b>	2019277344
<b><u>A01H 5 /-</u></b>	2019240110	2024204285	<b><u>A47L 9 /-</u></b>	2019263157	2019389258
2022218597	<b><u>A23G 9 /-</u></b>	<b><u>A41B 9 /-</u></b>	2021277114	2020226703	2019392264
<b><u>A01H 6 /-</u></b>	2020310850	2021233823	2023201861	2022256034	<b><u>A61K 31 /-</u></b>
2018333148	<b><u>A23J 1 /-</u></b>	<b><u>A42B 3 /-</u></b>	<b><u>A61B 1 /-</u></b>	<b><u>A61C 7 /-</u></b>	2018338314
<b><u>A01K 29 /-</u></b>	2022267813	2019210328	2019362413	2018360867	2018383098
2019255723	<b><u>A23J 3 /-</u></b>	<b><u>A45C 13 /-</u></b>	2020314561	2018435421	2019205905
<b><u>A01K 5 /-</u></b>	2021411747	2019201263	2022298651	2019222871	2019227823
2019264618	2022267813	<b><u>A45D 20 /-</u></b>	2023222877	2019254515	2019268955
<b><u>A01K 87 /-</u></b>	<b><u>A23K 10 /-</u></b>	2020460478	<b><u>A61B 17 /-</u></b>	2019273612	2019293293
2021352641	2019281144	2022252970	2018327353	2019296843	20192993293
2021372000	<b><u>A23K 40 /-</u></b>	<b><u>A47B 97 /-</u></b>	2018372632	2019349438	2019296843
<b><u>A01K 89 /-</u></b>	<b><u>A23K 50 /-</u></b>	2021446400	2019234447	2019351551	2019365405
2022279447	2019281144	<b><u>A47C 20 /-</u></b>	2019243731	2019395774	2019395774
2023200626	<b><u>A23K 13 /-</u></b>	2019212203	2019265782	2019403396	2019464086
<b><u>A01M 7 /-</u></b>	2019281144	<b><u>A47C 21 /-</u></b>	2021456077	2020259100	2020259100
2019200182	<b><u>A23L 15 /-</u></b>	2019294943	2022259717	2020362643	2020366135
<b><u>A01N 1 /-</u></b>	2021356474	2019294943	2023204019	2020407471	2021202552
2021417882	2021411747	2020473185	2022259717	2021202552	2021212568
<b><u>A01N 25 /-</u></b>	<b><u>A23L 27 /-</u></b>	<b><u>A47C 27 /-</u></b>	2019294943	2021258498	2021260856
2019257406	2022267813	2019294943	<b><u>A61B 3 /-</u></b>	2021268683	2021268683
2019303904	<b><u>A23L 29 /-</u></b>	2020473185	2019205653	2021276206	2021276206
<b><u>A01N 37 /-</u></b>	2019240110	<b><u>A47C 7 /-</u></b>	<b><u>A61B 18 /-</u></b>	2022202003	2022202003
2019303904	<b><u>A23L 33 /-</u></b>	<b><u>A47G 9 /-</u></b>	2019265782	2022207550	2022221410
<b><u>A01N 43 /-</u></b>	2021356474	<b><u>A47J 27 /-</u></b>	2021456077	2022245656	2022245656
			2022259717	2022269566	2022269566
			2023204019	2022316393	2022322838
			2023282245	2023201348	2023210586
			<b><u>A61B 34 /-</u></b>	2023211068	2023274118
			2019265782	<b><u>A61F 9 /-</u></b>	
			2019337411	2022259731	
			<b><u>A61B 5 /-</u></b>		
			2019215811		
			2019216971		

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<b><u>A61K 33</u></b> /-	2022207550 2022291517 2021385841	<b><u>A61M 13</u></b> /-	2019254515 2019273612 2021268683	2018264455 2019218271 2019358647 2019362389 2019365405 2019403396 2019464086 2020259100 2020268341 2020327783 2020366135 2021205074 2021212568 2021276206 2021332899 2021333608 2022201984 2022269566 2023201348 2023210586	<b><u>A62C 35</u></b> /-	2023264480
<b><u>A61K 35</u></b> /-	<b><u>A61K 48</u></b> /-	<b><u>A61M 16</u></b> /-	<b><u>A61P 13</u></b> /-		<b><u>A62C 37</u></b> /-	
2017376780 2019464086 2020268341 2020327783 2021302749 2021332899 2022201523	2018272831	2019280151 2022263469 2022268278 2023200961	2019205905 2020259100 2021258498 2021268683		2019270136 2023264480	
<b><u>A61K 36</u></b> /-	<b><u>A61K 49</u></b> /-	<b><u>A61M 25</u></b> /-	<b><u>A61P 15</u></b> /-		<b><u>A62C 99</u></b> /-	
2018408879 2019203692 2019222871 2019222872 2021204271 2023258397 2023270181	2019215811 2020273510	2018372632 2020208143 2020208389 2020314561	2023270181		2019270136	
<b><u>A61K 38</u></b> /-	<b><u>A61K 51</u></b> /-	<b><u>A61M 27</u></b> /-	<b><u>A61P 17</u></b> /-		<b><u>A63B 21</u></b> /-	
2018264455 2018335955 2019205905 2019260124 2019268955 2020343018 2022201984 2022202003 2022342994 2023200929 2023251388 2024255587	2021333608	2022259731	2018435421 2019222871 2019222872 2019268955 2021212568 2021268683		2019280971 2023216868	
<b><u>A61K 39</u></b> /-	<b><u>A61K 6</u></b> /-	<b><u>A61M 31</u></b> /-	<b><u>A61P 19</u></b> /-		<b><u>A63B 22</u></b> /-	
2017348180 2017360094 2017387041 2018243920 2019212237 2019218271 2019346023 2019464086 2020273510 2020315598 2021257973 2021261945 2021296205 2022201442 2022202003 2023258397	2019203692 2019222871 2019222872 2019268955 2019309324 2022264736 2023252685 2023270181	2020282726	2021302749		2023200631 202320631	
<b><u>A61K 45</u></b> /-	<b><u>A61K 9</u></b> /-	<b><u>A61M 39</u></b> /-	<b><u>A61P 25</u></b> /-		<b><u>A63B 23</u></b> /-	
2019254515 2019273612 2020362643 2023210586	2018408879 2018435421 2019216781 2019254515 2019260418 2019273612 2020282726 2020362643 2021203134 2021212568 2021258498 2021260856 2021268683 2022207550 2023201348 2023258397	2019384794 2020208143 2020314561	2018383098 2019296843 2019349438 2019351551 2019395774 2020259100 2020366135 2022221410 2022245656 2022316393 2022322838 2023211068 2023270181 2023274118		2019260418 2020210635 2021258498 2021260856 2021268683 2023200929 2023274118	2019280971 2023200631
<b><u>A61K 47</u></b> /-	<b><u>A61K 15</u></b> /-	<b><u>A61M 60</u></b> /-	<b><u>A61P 27</u></b> /-		<b><u>A63B 24</u></b> /-	
2018282728 2019205905 2019216781 2019350376 2020362643 2021385841	2022445688	2019225386 2019230022	2018383098 2019296843 2019349438 2019351551 2019395774 2020259100 2020366135 2022221410 2022245656 2022316393 2022322838 2023211068 2023270181 2023274118		2023200631 2023285859	
<b><u>A61M 1</u></b> /-	<b><u>A61L 2</u></b> /-	<b><u>A61M 1</u></b> /-	<b><u>A61P 29</u></b> /-		<b><u>A63B 71</u></b> /-	
2017376780 2019205905 2019293293 2021258498 2021260856 2022342994	2019231656	2019224826 2019231656 2020232019 2021456077 2022271479 2023201484	2019296843 2021268683 2022342994		2023200631 2023285859	
<b><u>A61P 11</u></b> /-	<b><u>A61L 24</u></b> /-	<b><u>A61M 5</u></b> /-	<b><u>A61P 3</u></b> /-		<b><u>A63F 13</u></b> /-	
	2019216781	2019220503 2022302417 2023282245	2018408879 2019296843 2020366135 2022202003		2023219969	
	<b><u>A61L 27</u></b> /-	<b><u>A61P 1</u></b> /-	<b><u>A61P 31</u></b> /-		<b><u>B01D 11</u></b> /-	
	2018282728 2019354340 2023200188	2017376780 2019205905 2019293293 2021258498 2021260856 2022342994	2019358647 2019395774 2023251388		2024219945	
	<b><u>A61M 1</u></b> /-	<b><u>A61P 3</u></b> /-	<b><u>A61P 35</u></b> /-		<b><u>B01D 17</u></b> /-	
	2019273870 2019389258	2019231656	2019296843 2021268683 2022342994		2021354049	
		<b><u>A61M 5</u></b> /-			<b><u>B01D 21</u></b> /-	
		2019220503 2022302417 2023282245			2022209479	
		<b><u>A61P 1</u></b> /-			<b><u>B01D 33</u></b> /-	
		2017376780 2019205905 2019293293 2021258498 2021260856 2022342994			2024219945	
		<b><u>A61P 11</u></b> /-			<b><u>B01D 35</u></b> /-	
		2019220503 2022302417 2023282245			2021354049	
		<b><u>A61P 11</u></b> /-			<b><u>B01D 45</u></b> /-	
		2019220503 2022302417 2023282245			2023265062	
		<b><u>A61P 11</u></b> /-			<b><u>B01D 5</u></b> /-	
		2019220503 2022302417 2023282245			2024219945	
		<b><u>A61P 11</u></b> /-			<b><u>B01D 53</u></b> /-	
		2019220503 2022302417 2023282245			2022300129	
		<b><u>A61P 11</u></b> /-			<b><u>B01D 57</u></b> /-	
		2019220503 2022302417 2023282245			2023202390	

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2023202390	2021308710 2024219945	2023206241	2023263491	2023203045	2019222813
<b><u>B01J 19 /-</u></b>	<b><u>B09C 1 /-</u></b>	<b><u>B29K 101 /-</u></b>	<b><u>B60W 60 /-</u></b>	<b><u>B65H 49 /-</u></b>	<b><u>C04B 103 /-</u></b>
2019275351	2024219945	2023206241	2023263491	2019359460	2019303905
<b><u>B01J 2 /-</u></b>	<b><u>B21F 9 /-</u></b>	<b><u>B29K 509 /-</u></b>	<b><u>B61L 23 /-</u></b>	<b><u>B65H 75 /-</u></b>	<b><u>C04B 28 /-</u></b>
2019329801	2019226170	2020217435	2023263425	2019359460	2019303905
<b><u>B01J 20 /-</u></b>	<b><u>B22F 1 /-</u></b>	<b><u>B29K 711 /-</u></b>	<b><u>B61L 27 /-</u></b>	<b><u>B66B 1 /-</u></b>	<b><u>C04B 40 /-</u></b>
2019218263	2019247379	2023206241	2023263425	2021330247 2021377371	2019303905
<b><u>B01J 23 /-</u></b>	<b><u>B22F 12 /-</u></b>	<b><u>B29L 31 /-</u></b>	<b><u>B62B 5 /-</u></b>	<b><u>B66B 19 /-</u></b>	<b><u>C05C 9 /-</u></b>
2019275351 2021441047	2022287496	2020217435	2022215058	2021326959	2019319857
<b><u>B01J 29 /-</u></b>	<b><u>B22F 9 /-</u></b>	<b><u>B29L 7 /-</u></b>	<b><u>B62B 9 /-</u></b>	<b><u>B66B 7 /-</u></b>	<b><u>C06B 23 /-</u></b>
2023265062	2019247379	2023206241	2022215058	2021326959	2019396127
<b><u>B01J 35 /-</u></b>	<b><u>B25B 23 /-</u></b>	<b><u>B31F 1 /-</u></b>	<b><u>B62D 1 /-</u></b>	<b><u>B66D 5 /-</u></b>	<b><u>C06B 47 /-</u></b>
2021441047	2022263589	2018447667	2023203331	2022228143	2019396127
<b><u>B01L 3 /-</u></b>	<b><u>B25B 25 /-</u></b>	<b><u>B32B 3 /-</u></b>	<b><u>B62D 11 /-</u></b>	<b><u>B66F 9 /-</u></b>	<b><u>C07B 57 /-</u></b>
2019325342	2019226170	2019364361	2019364887	2019202609 2021336178	2019412747
<b><u>B01L 7 /-</u></b>	<b><u>B25B 27 /-</u></b>	<b><u>B32B 38 /-</u></b>	<b><u>B62D 55 /-</u></b>	<b><u>B67D 7 /-</u></b>	<b><u>C07C 211 /-</u></b>
2021417882	2023200885	2019364361	2019364887	2019261745	2022207550
<b><u>B01L 9 /-</u></b>	<b><u>B26D 1 /-</u></b>	<b><u>B33Y 70 /-</u></b>	<b><u>B63H 20 /-</u></b>	<b><u>B82Y 15 /-</u></b>	<b><u>C07C 217 /-</u></b>
2021417882	2018219148	2019247379 2023200188	2022302792	2019218263	2022207550
<b><u>B05B 1 /-</u></b>	<b><u>B26D 3 /-</u></b>	<b><u>B33Y 80 /-</u></b>	<b><u>B63H 3 /-</u></b>	<b><u>B82Y 20 /-</u></b>	<b><u>C07C 219 /-</u></b>
2019253818	2018219148	2022287496	2022302792	2019222813	2022207550
<b><u>B05B 12 /-</u></b>	<b><u>B26D 7 /-</u></b>	<b><u>B42D 25 /-</u></b>	<b><u>B65D 43 /-</u></b>	<b><u>B82Y 30 /-</u></b>	<b><u>C07C 229 /-</u></b>
2019253818	2018219148	2021353960	2019376870	2022291457	2022207550
<b><u>B05B 13 /-</u></b>	<b><u>B27N 3 /-</u></b>	<b><u>B60K 17 /-</u></b>	<b><u>B65D 71 /-</u></b>	<b><u>B82Y 40 /-</u></b>	<b><u>C07C 233 /-</u></b>
2022287496	2019240785 2023206241	2019364887	2021353860	2019222813 2022291457	2022207550
<b><u>B05B 7 /-</u></b>	<b><u>B29B 17 /-</u></b>	<b><u>B60K 7 /-</u></b>	<b><u>B65D 73 /-</u></b>	<b><u>C01B 21 /-</u></b>	<b><u>C07C 237 /-</u></b>
2022287496	2021308710 2023206241	2019364887	2021353860	2019222813	2022207550
<b><u>B05D 5 /-</u></b>	<b><u>B29B 9 /-</u></b>	<b><u>B60N 2 /-</u></b>	<b><u>B65D 81 /-</u></b>	<b><u>C01B 3 /-</u></b>	<b><u>C07C 239 /-</u></b>
2022462005	2019329801	2022212568	2021310265	2022291457	2019328662
<b><u>B07C 5 /-</u></b>	<b><u>B29C 45 /-</u></b>	<b><u>B60T 13 /-</u></b>	<b><u>B65D 85 /-</u></b>	2021441047 2022300129	<b><u>C07C 271 /-</u></b>
2021446611 2023206241	2021350163	2022228616	2019246226	2022291457	2022207550
<b><u>B09B 1 /-</u></b>	<b><u>B29C 67 /-</u></b>	<b><u>B60T 15 /-</u></b>	<b><u>B65G 1 /-</u></b>	<b><u>C01G 15 /-</u></b>	<b><u>C07C 303 /-</u></b>
2021214758	2020217435	2022228616	2019202609	2022291457	2022291920
<b><u>B09B 101 /-</u></b>	<b><u>B29D 11 /-</u></b>	<b><u>B60T 17 /-</u></b>	<b><u>B65G 15 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07C 323 /-</u></b>
2024219945	2024201098	2022228616	2021221438	2022250534	2019328662
		<b><u>B60W 30 /-</u></b>	<b><u>B65G 67 /-</u></b>	<b><u>C02F 3 /-</u></b>	<b><u>C07C 37 /-</u></b>
		2023263491	2019259863	2019404522	2019335372

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2019335372	2020273510	2018335955			2020403355
	2022269566	2019212237	<b>C08F 8 /-</b>	2022291457	
	2022323303	2019268955			<b>C12M 1 /-</b>
<b>C07D 209 /-</b>	2023211068	2019354995	2018360867	<b>C10B 49 /-</b>	2019218263
2020273510		2020315598		2023265062	2019325508
	<b>C07D 471 /-</b>	2020343018	<b>C08G 59 /-</b>		
	2020221247	2021411747	2019343280	<b>C10B 53 /-</b>	<b>C12M 3 /-</b>
<b>C07D 211 /-</b>	2020273510	2022201465		2023265062	2019273870
2022207550	2021276206	2024255587	<b>C08H 1 /-</b>		
			2023200188	<b>C10B 57 /-</b>	<b>C12N 1 /-</b>
<b>C07D 213 /-</b>	<b>C07D 487 /-</b>	2017348180		2023265062	2017376780
2019328662	2019227823	2017360094	<b>C08J 11 /-</b>		2021332899
2023202412	2019395774	2017387041	2021308710	<b>C10G 1 /-</b>	2021397069
	2020221247	2018243920	2023265062	2023265062	2022202054
<b>C07D 217 /-</b>	2020366135	2018268970			2022267813
2020407471	2020407471	2018311276	<b>C08J 3 /-</b>	<b>C10G 11 /-</b>	<b>C12N 15 /-</b>
	2021276206	2018335955	2019212316	2023265062	2018252193
<b>C07D 221 /-</b>	2023202412	2019218271			2018265408
2019412747		2019358647	<b>C08K 3 /-</b>	<b>C10G 29 /-</b>	2018272831
	<b>C07D 493 /-</b>	2020210635	2020217435	2018201581	2018328324
<b>C07D 239 /-</b>	2022322838	2020273510			2018374176
2023202412		2021205074	<b>C08K 5 /-</b>	<b>C10G 5 /-</b>	2019212237
	<b>C07D 495 /-</b>	2021273615	2019212316	2019203572	2019268955
<b>C07D 249 /-</b>	2021276206	2021287122			2019354995
2019403396		2021296205	<b>C08L 23 /-</b>	<b>C10K 1 /-</b>	2020327783
	<b>C07D 513 /-</b>	2022201442	2022291497	2023265062	2021202552
<b>C07D 261 /-</b>	2023202412				2022201465
2019410521		2018264455	<b>C08L 29 /-</b>	<b>C10L 3 /-</b>	2022203980
	<b>C07F 13 /-</b>		2019212316	2021214758	2022218597
<b>C07D 277 /-</b>	2019358285	<b>C07K 4 /-</b>			2023200188
2019349438		2019240110	<b>C08L 33 /-</b>	<b>C11B 3 /-</b>	2023200660
2019351551	<b>C07F 15 /-</b>		2022291497	2018428605	<b>C12N 5 /-</b>
	2019358285	<b>C07K 5 /-</b>			2019273870
<b>C07D 307 /-</b>		2019240110	<b>C08L 67 /-</b>	<b>C11D 17 /-</b>	2020268341
2022245656	<b>C07F 5 /-</b>	2019260124	2020217435	2019358285	2021302749
2022316393	2019358285	2019362389			2023200929
		2022342994	<b>C08L 71 /-</b>	<b>C11D 3 /-</b>	<b>C12N 7 /-</b>
<b>C07D 401 /-</b>	<b>C07F 9 /-</b>	<b>C07K 7 /-</b>	2019212316	2019358285	2017387041
2020366135	2022207550	2019240110			2020327783
2020407471		2020273510	<b>C08L 89 /-</b>	<b>C12C 11 /-</b>	2021287122
2021258498	<b>C07H 1 /-</b>	2023200929	2024255587	2018441050	2022201523
2021260856	2018380959				<b>C12N 9 /-</b>
2021276206		<b>C08B 37 /-</b>	<b>C09J 123 /-</b>	<b>C12C 12 /-</b>	2017345560
2023202412	<b>C07H 21 /-</b>	2019257406	2022291497	2018441050	2018265408
	2021245196	<b>C08F 10 /-</b>		2020403355	2018292105
<b>C07D 403 /-</b>	2021261945	2019329801	<b>C09J 133 /-</b>		2021286442
2020273510	2023202390		2022291497	<b>C12F 3 /-</b>	<b>C12P 13 /-</b>
		<b>C08F 2 /-</b>		2020403355	2019359988
<b>C07D 405 /-</b>	<b>C07H 3 /-</b>	2019329801	2019240785	<b>C12G 3 /-</b>	<b>C12P 21 /-</b>
2022269566	2018380959	2019359988		2019271303	2017348180
			<b>C09J 161 /-</b>	2020403355	2021397069
<b>C07D 411 /-</b>	<b>C07K 1 /-</b>	<b>C08F 20 /-</b>	2019240785		2022201442
2020366135	2019240110	2019359988		<b>C12H 1 /-</b>	2023202390
	2024255587		<b>C09J 179 /-</b>	2019271303	<b>C12P 5 /-</b>
<b>C07D 413 /-</b>		<b>C08F 220 /-</b>	2019240785		2018265408
2020259100	<b>C07K 14 /-</b>	2019359988		<b>C12H 3 /-</b>	
2022269566	2017387041		<b>C09J 4 /-</b>		
2022323303	2018243920	<b>C08F 226 /-</b>	2022291497		
2023211068	2018264455				

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<b><u>C12P 7 /-</u></b>	2019208187 2019213456	2020217435	<b><u>F02B 63 /-</u></b>	<b><u>F16D 59 /-</u></b>	<b><u>F17C 5 /-</u></b>
2021397069		<b><u>E04F 15 /-</u></b>	2020453568	2022228143	2019259382 2019261745
<b><u>C12Q 1 /-</u></b>	<b><u>D21H 27 /-</u></b>	2020446821	<b><u>F02C 7 /-</u></b>	<b><u>F16G 11 /-</u></b>	<b><u>F17C 7 /-</u></b>
2017345560 2018324195 2018328324 2018366163 2018371063 2018374176 2019218263 2021245196 2022201829 2023202390	2018447667  <b><u>E01C 11 /-</u></b>  2023216871  <b><u>E01C 19 /-</u></b>  2018200408 2023203331	<b><u>E04H 17 /-</u></b>  2019226170 2023203138  <b><u>E04H 4 /-</u></b>  2019342316 2023254995	2023229526  <b><u>F02K 7 /-</u></b>  2023229526  <b><u>F03D 13 /-</u></b>  2022250534	2019226170  <b><u>F16K 11 /-</u></b>  2019359500 2022228616	2019261745  <b><u>F17D 1 /-</u></b>  2021200123
<b><u>C12R 1 /-</u></b>	<b><u>E02D 17 /-</u></b>	<b><u>E04H 9 /-</u></b>	<b><u>F03D 80 /-</u></b>	<b><u>F16K 24 /-</u></b>	<b><u>F21S 9 /-</u></b>
2021332899 2021397069 2022201465 2022202054	2023214341  <b><u>E02D 29 /-</u></b>  2023214341	2019217982  <b><u>E05G 7 /-</u></b>  2021318956	2019330719  <b><u>F03D 9 /-</u></b>  2022250534	2022224826  <b><u>F16K 27 /-</u></b>  2021200123	2023258362  <b><u>F21V 23 /-</u></b>  2023258362
<b><u>C22C 23 /-</u></b>	<b><u>E02D 31 /-</u></b>	<b><u>E06B 9 /-</u></b>	<b><u>F04B 17 /-</u></b>	<b><u>F16K 29 /-</u></b>	<b><u>F21V 5 /-</u></b>
2019479017	2019240613	2018387476 2019339749 2023203059	2019230022	2019359500 2024264584	2022249098
<b><u>C23C 2 /-</u></b>	<b><u>E02D 7 /-</u></b>	<b><u>E21B 17 /-</u></b>	<b><u>F04B 23 /-</u></b>	<b><u>F16K 31 /-</u></b>	<b><u>F24C 3 /-</u></b>
2021455367	2019383850	2019457191	2021354049	2019359500	2022249098
<b><u>C23C 24 /-</u></b>	<b><u>E02F 3 /-</u></b>	<b><u>E21B 23 /-</u></b>	<b><u>F04B 35 /-</u></b>	<b><u>F16K 37 /-</u></b>	<b><u>F24S 20 /-</u></b>
2022287496	2018430193 2021264935	2019315336	2019230022	2019359500	2021200123
<b><u>C23C 30 /-</u></b>	<b><u>E02F 9 /-</u></b>	<b><u>E21B 33 /-</u></b>	<b><u>F04D 13 /-</u></b>	<b><u>F16K 5 /-</u></b>	<b><u>F25B 9 /-</u></b>
2021455367	2021264935	2019479017	2019230022 2021354049	2024264584	2021417882
<b><u>C25B 1 /-</u></b>	<b><u>E03C 1 /-</u></b>	<b><u>E21B 34 /-</u></b>	<b><u>F04D 17 /-</u></b>	<b><u>F16L 15 /-</u></b>	<b><u>F25C 1 /-</u></b>
2022250534 2022285042 2022300129	2024264584	2019315336 2019457191 2022254115	2022248081	2021200123	2023202223
<b><u>C25B 11 /-</u></b>	<b><u>E03F 3 /-</u></b>	<b><u>E21B 4 /-</u></b>	<b><u>F04D 25 /-</u></b>	<b><u>F16L 19 /-</u></b>	<b><u>F25D 23 /-</u></b>
2022285042	2023216871 2024264584	2019472428	2018247367	2021200123	2023202223
<b><u>C25B 15 /-</u></b>	<b><u>E03F 5 /-</u></b>	<b><u>E21B 41 /-</u></b>	<b><u>F04D 29 /-</u></b>	<b><u>F16L 3 /-</u></b>	<b><u>F25D 25 /-</u></b>
2022250534 2022300129	2023216871 2024264584	2019472428	2022248081	2019205974	2021417882
<b><u>C25B 9 /-</u></b>	<b><u>E04B 1 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F04D 7 /-</u></b>	<b><u>F16L 37 /-</u></b>	<b><u>F41A 9 /-</u></b>
2022250534 2022285042	2024264584	2021214758	2019230022	2018247367 2019230022 2021292691	2020350188
<b><u>C25D 15 /-</u></b>	<b><u>E04B 2 /-</u></b>	<b><u>E21B 47 /-</u></b>	<b><u>F16B 21 /-</u></b>	<b><u>F16L 55 /-</u></b>	<b><u>F41H 5 /-</u></b>
2022462005	2019217982	2019472428	<b><u>F16C 32 /-</u></b>	2019205974	2020350188
<b><u>C40B 30 /-</u></b>	<b><u>E04D 13 /-</u></b>	<b><u>E21B 7 /-</u></b>	<b><u>F16C 35 /-</u></b>	<b><u>F16L 19 /-</u></b>	<b><u>F41H 9 /-</u></b>
2018374176 2019346023	2018256603	2019359988	2021292691	2022224826	2020350188
<b><u>D04H 1 /-</u></b>	<b><u>E04D 3 /-</u></b>	<b><u>F01K 13 /-</u></b>	<b><u>F16C 32 /-</u></b>	<b><u>F16M 13 /-</u></b>	<b><u>F41H 9 /-</u></b>
2019240785	2020462129	2022225466	<b><u>F16C 35 /-</u></b>	<b><u>F17C 1 /-</u></b>	2023206119
<b><u>D06F 58 /-</u></b>	<b><u>E04F 13 /-</u></b>	<b><u>F01K 23 /-</u></b>	<b><u>F16D 1 /-</u></b>	<b><u>F17C 13 /-</u></b>	<b><u>F42B 12 /-</u></b>
	2020462129	2022225466	2021292691	2019261745	2022287496
		2022225466	2021292691	2019259382	<b><u>F42B 25 /-</u></b>
			2021292691	<b><u>F17C 3 /-</u></b>	2022287496
				2021417882	<b><u>F42C 15 /-</u></b>
					2020216558

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<b>F42C 19 /-</b>	2019260418 2019406629	<b>G02B 1 /-</b>	<b>G06F 21 /-</b>	2019272041 2023200955	2019346023
2020216558	<b>G01N 21 /-</b>	2022317315 2023351340	2020219403 2023285836	<b>G06V 20 /-</b>	<b>G16H 40 /-</b>
<b>F42D 1 /-</b>	2019234578 2019280688	<b>G02B 26 /-</b>	<b>G06F 3 /-</b>	2023201417	2023241553
2020216558	2019325342 2020271090	2022281293	2019272041 2023237162	<b>G06V 40 /-</b>	<b>G16H 50 /-</b>
<b>F42D 3 /-</b>	<b>G01N 23 /-</b>	<b>G02B 27 /-</b>	2023266356 2023285859	2019272041 2023241556	2019215811
2019226419	2019406629	2024201098	<b>G06F 40 /-</b>	<b>G07C 11 /-</b>	<b>G21B 1 /-</b>
<b>G01C 21 /-</b>	<b>G01N 27 /-</b>	<b>G02B 3 /-</b>	2022200432	2021377371	2022287893
2019368545	2021289264	2022317315	<b>G06F 9 /-</b>	<b>G07C 3 /-</b>	<b>H01F 27 /-</b>
<b>G01D 1 /-</b>	<b>G01N 30 /-</b>	<b>G02B 5 /-</b>	2021406104	2019368545	<b>H01J 49 /-</b>
2019315336	2022246438 2022291517	2024201098	<b>G06K 7 /-</b>	<b>G07C 5 /-</b>	<b>H01L 21 /-</b>
<b>G01F 23 /-</b>	<b>G01N 31 /-</b>	2018387476 2019222813 2020345776	2022281293	2019368545	<b>H01L 25 /-</b>
2023202502	2019234578 2020254051	<b>G02B 6 /-</b>	<b>G06N 10 /-</b>	<b>G07C 9 /-</b>	2022304152
<b>G01G 11 /-</b>	<b>G01N 33 /-</b>	<b>G02C 7 /-</b>	2021420707 2023200020	2021377371 2023203748 2023241556	<b>H01L 27 /-</b>
2021221438	2017345560 2018324195 2018366163	2022317315	<b>G06N 3 /-</b>	<b>G07D 11 /-</b>	<b>H01L 31 /-</b>
<b>G01G 19 /-</b>	2019240758 2019272960 2019358647	<b>G02C 9 /-</b>	2022200432 2022313787	2021318956	2022249098
2019368545	2019406629 2021214758 2021296205 2022201442	2022317315	<b>G06N 5 /-</b>	<b>G07F 17 /-</b>	<b>H01L 31 /-</b>
<b>G01H 7 /-</b>	<b>G01N 35 /-</b>	<b>G02F 1 /-</b>	2022200432	2021318956	2022291601 2022304152 2023251435
2023274022	2019280688 2023200496	2022249098	<b>G06Q 10 /-</b>	<b>G08B 15 /-</b>	<b>H01L 33 /-</b>
<b>G01J 3 /-</b>	<b>G01N 35 /-</b>	<b>G03B 17 /-</b>	2019404522 2023241556 2023285859	2023206119	2022291457
2019280688 2023200496	2019280688 2023200955	2023208095	<b>G06Q 50 /-</b>	2022263589	<b>H01M 10 /-</b>
<b>G01J 5 /-</b>	<b>G01R 19 /-</b>	<b>G03B 42 /-</b>	2019404522 2022256202	<b>G08B 7 /-</b>	2023433487
2023241553	2022313787	2023200955	<b>G06T 1 /-</b>	2023266356	<b>H01M 50 /-</b>
<b>G01K 11 /-</b>	<b>G01R 31 /-</b>	<b>G05B 13 /-</b>	2024201098	<b>G08G 1 /-</b>	2022238900 2022459564
2019234578	2019363834 2022313787	2019311017 2021406104	<b>G06T 15 /-</b>	2021336178	<b>H01M 8 /-</b>
<b>G01L 5 /-</b>	<b>G01R 33 /-</b>	<b>G05B 19 /-</b>	2022291491	<b>G09G 5 /-</b>	2022285042
2019226170 2022263589	2019294552	2021406104	<b>G06T 19 /-</b>	2024201098	<b>H01R 13 /-</b>
<b>G01M 3 /-</b>	<b>G01S 1 /-</b>	<b>G05B 23 /-</b>	2023201417 2023219969	<b>G10G 1 /-</b>	2022238900
2019240613 2020271090	2019294552	2021452800	<b>G06T 7 /-</b>	2019207800	<b>H02H 1 /-</b>
<b>G01M 7 /-</b>	<b>G01S 13 /-</b>	<b>G06F 11 /-</b>	2019215811 2019272041 2023201417 2023241553	<b>G10H 1 /-</b>	2019204904
2019368545	2023203748	2023204368	<b>G06T 9 /-</b>	2019207800	<b>H02H 3 /-</b>
<b>G01M 9 /-</b>	<b>G01S 7 /-</b>	<b>G06F 12 /-</b>	2022432830	<b>G10L 19 /-</b>	2019204904
2019253818	2020427910	2022287210	<b>G06V 10 /-</b>	2022233253	<b>H02J 3 /-</b>
<b>G01N 1 /-</b>	<b>G01V 3 /-</b>	<b>G06F 16 /-</b>	2022233253	<b>G10L 21 /-</b>	2021443821
2019280688 2021417882 2023200955	2020427910	2020215766 2022200432 2024202122	<b>G16B 20 /-</b>	2022233253	<b>H02J 7 /-</b>
<b>G01N 15 /-</b>	2019294552				2022238900

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2022313787	<b><u>H04L 9 /-</u></b>	2020218528
2023274121		
<b><u>H02K 1 /-</u></b>	2021351215	<b><u>H04W 72 /-</u></b>
	<b><u>H04N 19 /-</u></b>	2022251417
2020460478		2023216847
<b><u>H02K 49 /-</u></b>	2022432830	
	2024200437	<b><u>H04W 74 /-</u></b>
2022228143	2024200678	
	2024200679	2021466220
<b><u>H02K 5 /-</u></b>	2024200680	
	<b><u>H04N 21 /-</u></b>	<b><u>H04W 88 /-</u></b>
2020460478		2022263589
<b><u>H02K 7 /-</u></b>	2019355141	
	2022432830	<b><u>H05B 3 /-</u></b>
2020460478	<b><u>H04N 23 /-</u></b>	2022252970
<b><u>H02K 9 /-</u></b>		<b><u>H05B 47 /-</u></b>
	2023208095	
2020460478	<b><u>H04N 5 /-</u></b>	2019350267
<b><u>H02M 3 /-</u></b>		<b><u>H05B 6 /-</u></b>
	2019342721	
2023204279	<b><u>H04N 7 /-</u></b>	2021310265
<b><u>H02M 7 /-</u></b>		<b><u>H05K 7 /-</u></b>
	2023241556	
2023274121	<b><u>H04Q 9 /-</u></b>	2023433487
<b><u>H02P 9 /-</u></b>		
	2019402071	
2020453568	2019403020	
<b><u>H02S 20 /-</u></b>	<b><u>H04R 1 /-</u></b>	
2023206076	2023266356	
<b><u>H02S 30 /-</u></b>	<b><u>H04R 11 /-</u></b>	
2023206076	2019216971	
<b><u>H03M 7 /-</u></b>	<b><u>H04R 25 /-</u></b>	
2022432830	2019216971	
<b><u>H03M 9 /-</u></b>	<b><u>H04R 29 /-</u></b>	
2022432830	2023274022	
<b><u>H04B 3 /-</u></b>	<b><u>H04W 24 /-</u></b>	
2019363834	2022251417	
<b><u>H04J 7 /-</u></b>	<b><u>H04W 36 /-</u></b>	
2019284005	2023204368	
<b><u>H04L 12 /-</u></b>	<b><u>H04W 4 /-</u></b>	
2019395366	2019354831	
	2023203748	
<b><u>H04L 45 /-</u></b>	<b><u>H04W 48 /-</u></b>	
2019410233	2020473569	
<b><u>H04L 5 /-</u></b>	2021473992	
2020218528	<b><u>H04W 52 /-</u></b>	
<b><u>H04L 67 /-</u></b>		
	2019354831	
2020219403	2023216847	
2023219969	2024201320	
	<b><u>H04W 64 /-</u></b>	



**Patents Granted**

**Standard Patents**

2012327813	2017203930	2017223274	2017275782
2017276706	2017293103	2017297138	2017320913
2017375652	2017383127	2017437705	2018203943
2018204385	2018205102	2018209391	2018219887
2018223879	2018224843	2018225759	2018233208
2018239671	2018256479	2018262788	2018264126
2018268304	2018271302	2018274999	2018286846
2018289432	2018292003	2018298224	2018301504
2018305777	2018305787	2018307577	2018309372
2018310745	2018314406	2018317499	2018320264
2018322806	2018332888	2018333306	2018335788
2018339091	2018346063	2018346670	2018347014
2018347527	2018348020	2018348125	2018348802
2018351429	2018359026	2018364353	2018364983
2018366073	2018367651	2018369579	2018370164
2018375198	2018377164	2018378802	2018381170
2018381874	2018382691	2018384070	2018385699
2018386333	2018388555	2018391028	2018414535
2018432105	2018433025	2018446354	2018447776
2018448937	2018455662	2019200288	2019201670
2019201975	2019203250	2019204081	2019204350
2019204694	2019205366	2019205596	2019207781
2019208214	2019209854	2019210611	2019211435
2019212155	2019212448	2019212840	2019215804
2019217465	2019218547	2019219241	2019219857
2019220411	2019222475	2019225148	2019227068
2019227708	2019228568	2019232401	2019233297
2019233298	2019233611	2019233637	2019235325
2019235502	2019239843	2019240085	2019240840
2019247795	2019256647	2019257750	2019258679
2019262377	2019263220	2019263471	2019264511
2019265022	2019265277	2019266218	2019266718
2019269322	2019271293	2019272751	2019273058
2019275232	2019275409	2019276832	2019279453
2019288360	2019293657	2019293956	2019295303
2019295404	2019298957	2019299093	2019300562
2019305163	2019305336	2019310654	2019311304
2019314342	2019317130	2019317788	2019320962
2019321001	2019321863	2019325322	2019332894
2019333410	2019334906	2019335607	2019339191
2019339595	2019348201	2019358330	2019360934
2019361631	2019374890	2019380568	2019402886
2019403731	2019410098	2019417007	2019449465
2019463156	2020203764	2020209191	2020211350
2020216100	2020218160	2020225477	2020236689
2020240710	2020242858	2020275864	2020279027
2020291518	2020293614	2020304841	2020312153
2020313306	2020316273	2020319085	2020331908
2020335152	2020335919	2020339816	2020366867
2020367516	2020367777	2020372522	2020389938
2020395146	2020429395	2020430636	2020430679
2020432828	2020439140	2020441598	2020452191
2020453087	2020479737	2020480782	2021200525
2021200780	2021201628	2021208274	2021209256
2021212171	2021219903	2021220531	2021224149
2021231488	2021237513	2021237518	2021239225
2021240964	2021243262	2021246857	2021260096
2021263529	2021266078	2021266189	2021268062
2021282408	2021283930	2021284813	2021289874
2021308500	2021324385	2021336383	2021339086
2021343442	2021343469	2021346526	2021351946
2021361509	2021362679	2021363036	2021365682
2021370924	2021371022	2021371586	2021372349
2021372783	2021372786	2021376697	2021377024
2021378104	2021380914	2021382125	2021384768
2021388638	2021390922	2021393431	2021393976
2021402234	2021409375	2021417343	2021417348

**Patents Granted**

**Standard Patents**

2021418092	2021430505	2021437739	2021444984
2021446950	2021459317	2022200595	2022200876
2022201553	2022202162	2022202400	2022202473
2022202581	2022202715	2022202785	2022203081
2022203150	2022203274	2022203308	2022203319
2022203333	2022203344	2022203682	2022204172
2022204590	2022204670	2022204672	2022204700
2022204807	2022205212	2022205278	2022206811
2022206833	2022206834	2022207614	2022208056
2022209233	2022211890	2022214931	2022215298
2022218460	2022218499	2022218508	2022218556
2022221536	2022224830	2022228209	2022228215
2022228284	2022231694	2022231845	2022234217
2022237701	2022242732	2022246038	2022248402
2022252740	2022252808	2022256150	2022256196
2022256212	2022256998	2022257414	2022259721
2022259767	2022259811	2022267788	2022268317
2022268405	2022271381	2022275506	2022275760
2022275931	2022283264	2022284894	2022287621
2022291577	2022291585	2022298345	2022299846
2022307036	2022320902	2022332097	2022357556
2022369080	2022398689	2022407710	2023200218
2023200265	2023200283	2023200494	2023200569
2023200640	2023200803	2023200912	2023201033
2023201075	2023201243	2023201689	2023202192
2023202251	2023202265	2023202389	2023203193
2023203293	2023203407	2023203504	2023203525
2023203813	2023203843	2023204342	2023204670
2023207772	2023209157	2023210535	2023210539
2023214301	2023226628	2023229565	2023254934
2023255067	2023258372	2023273539	2023370590
2024200092	2024200890	2024201056	2024201058
2024201233	2024201544	2024202878	2024203079
2024203175	2024203473	2024203623	2024205093

**Innovation Patents**

2022100197	2024100039	2024100040
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**Revocation**

It is hereby notified that as a consequence of a decision by the Commissioner dated 22.11.2024, Patent 2013335678 in the name of **Daiichi Sankyo Company, Limited** has been revoked in relation to a re-examination and subsequent revocation of claim 13 under Section 101(1) of the Patents Act.

**Assignments Registered**

2004237844	Therakos, Inc.	The patent has been assigned to <b>Mallinckrodt Pharmaceuticals Ireland Limited</b>
2005232732	Acorda Therapeutics, Inc.	The patent has been assigned to <b>Merz Pharmaceuticals, LLC</b>
2005245876	OMJ Ireland Limited	The patent has been assigned to <b>Mallinckrodt Pharmaceuticals Ireland Limited</b>
2005246400	Therakos, Inc.	The patent has been assigned to <b>Mallinckrodt Pharmaceuticals Ireland Limited</b>
2006228747	AiCuris GmbH & Co. KG	The patent has been assigned to <b>AIC316 GmbH</b>
2006275562	UGM ADDCAR Systems, LLC	The patent has been assigned to <b>ADDCAR INTERNATIONAL, LLC</b>
2007282415	Mitsui Chemicals, Inc.	The patent has been assigned to <b>Mitsui Chemicals Asahi Life Materials Co. Ltd.</b>

**Assignments Registered**

2009330352 Therakos, Inc. The patent has been assigned to **Mallinckrodt Pharmaceuticals Ireland Limited**

2011203202 Acorda Therapeutics, Inc. The patent has been assigned to **Merz Pharmaceuticals, LLC**

2012352485 Midtech R&D, Inc.; Rhodia Operations The patent has been assigned to **SPECIALTY OPERATIONS FRANCE; Rosen's Inc.**

2013203275 Google LLC The patent has been assigned to **Telefonaktiebolaget LM Ericsson (publ)**

2013235512 Cidara Therapeutics, Inc. The patent has been assigned to **Napp Pharmaceutical Group Limited**

2014240359 Acorda Therapeutics, Inc. The patent has been assigned to **Merz Pharmaceuticals, LLC**

2014296537 Google LLC The patent has been assigned to **Telefonaktiebolaget LM Ericsson (publ)**

2015300228 Ido, Koji; Ido, Yasumasa The patent has been assigned to **Ido, Koji**

2015323893 UGM ADDCAR Systems, LLC The patent has been assigned to **ADDCAR INTERNATIONAL, LLC**

2015324922 UGM ADDCAR Systems, LLC The patent has been assigned to **ADDCAR INTERNATIONAL, LLC**

2016216601 Acorda Therapeutics, Inc. The patent has been assigned to **Merz Pharmaceuticals, LLC**

2016238845 Google LLC The patent has been assigned to **Telefonaktiebolaget LM Ericsson (publ)**

2016243660 Cartiva, Inc. The patent has been assigned to **Stryker Corporation**

2016248062 Cartiva, Inc. The patent has been assigned to **Stryker Corporation**

2016348217 Redmayne, John Michael The patent has been assigned to **Hokowhitu IP Limited**

2017201758 Cidara Therapeutics, Inc. The patent has been assigned to **Napp Pharmaceutical Group Limited**

2017228576 Google LLC The patent has been assigned to **Telefonaktiebolaget LM Ericsson (publ)**

2017264807 Muggleton, Kevin The patent has been assigned to **Greener Blue Limited**

2017339771 General Electric Company The patent has been assigned to **Baker Hughes, a GE Company LLC**

2017365632 AiCuris GmbH & Co. KG The patent has been assigned to **AIC316 GmbH**

2017365639 AiCuris GmbH & Co. KG The patent has been assigned to **AIC316 GmbH**

2017366739 University of Southern California The patent has been assigned to **ANGELES THERAPEUTICS, INC.**

2018202552 Acorda Therapeutics, Inc. The patent has been assigned to **Merz Pharmaceuticals, LLC**

2018213549 I-Mab Biopharma Co., Ltd. The patent has been assigned to **I-Mab Biopharma US Limited**

**Assignments Registered**

2018292041 AiCuris GmbH & Co. KG The patent has been assigned to **AIC316 GmbH**

2019201072 Cidara Therapeutics, Inc. The patent has been assigned to **Napp Pharmaceutical Group Limited**

2019231708 Bitterly, Steven The patent has been assigned to **Pristill, Inc.**

2019318477 Noa Water Ltd The patent has been assigned to **Delta Faucet Company**

2020202561 Cartiva, Inc. The patent has been assigned to **Stryker Corporation**

2020256337 Cidara Therapeutics, Inc. The patent has been assigned to **Napp Pharmaceutical Group Limited**

2020316875 Cartiva, Inc. The patent has been assigned to **Stryker Corporation**

2020344470 Cartiva, Inc. The patent has been assigned to **Stryker Corporation**

2020348594 Cartiva, Inc. The patent has been assigned to **Stryker Corporation**

2020412555 Cartiva, Inc. The patent has been assigned to **Stryker Corporation**

2021107652 Jet Black Products Pty Ltd The patent has been assigned to **JETBLACK INVESTMENTS PTY LTD**

2021200319 Cartiva, Inc. The patent has been assigned to **Stryker Corporation**

2021202942 AiCuris GmbH & Co. KG The patent has been assigned to **AIC316 GmbH**

2021203503 Cartiva, Inc. The patent has been assigned to **Stryker Corporation**

2021221901 AiCuris GmbH & Co. KG The patent has been assigned to **AIC316 GmbH**

2021235647 Cartiva, Inc. The patent has been assigned to **Stryker Corporation**

2021256474 SILETO PESQUISA E DESENVOLVIMENTO S.A. The patent has been assigned to **Sileto Technologies LLC**

2022100151 Jet Black Products Pty Ltd The patent has been assigned to **JETBLACK INVESTMENTS PTY LTD**

2022200409 AiCuris GmbH & Co. KG The patent has been assigned to **AIC316 GmbH**

2023200773 AiCuris GmbH & Co. KG The patent has been assigned to **AIC316 GmbH**

**Licences Registered - Section 187, Reg. 19**

(The name in the parentheses is that of the licensee)

2013273222 Idorsia Pharmaceuticals Ltd ( Nxera Pharma Japan Co., Ltd. )

2014358742 Idorsia Pharmaceuticals Ltd ( Nxera Pharma Japan Co., Ltd. )

2014358743 Idorsia Pharmaceuticals Ltd ( Nxera Pharma Japan Co., Ltd. )

**Licences Registered - Section 187, Reg. 19**

2014358766 Idorsia Pharmaceuticals Ltd ( Nxera Pharma Japan Co., Ltd. )

**Discharge of a Mortgage**

2006275562 Discharge of a Mortgage was made in the Register on 15.11.2018 .

**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.

2004308494 **Genentech, Inc.**

The earliest first regulatory approval date provided by the patentee 29 May 2024

For the goods EBGLYSS lebrizuma

2009244130 **HUTCHMED Limited**

The earliest first regulatory approval date provided by the patentee 02 Oct 2024

For the goods FRUZAQLA fruquintinib

2012332767 **Genentech, Inc.**

The earliest first regulatory approval date provided by the patentee 29 May 2024

For the goods EBGLYSS lebrizuma

2014318615 **Genentech, Inc.**

The earliest first regulatory approval date provided by the patentee 29 May 2024

For the goods EBGLYSS ebrizuma

2015316010 **HUTCHMED Limited**

The earliest first regulatory approval date provided by the patentee 02 Oct 2024

For the goods FRUZAQLA fruquintinib

2018232943 **GENENTECH, INC.**

The earliest first regulatory approval date provided by the patentee 29 May 2024

For the goods EBGLYSS lebrizuma

**Extensions granted**

The following application(s) for Extension of Term have been granted under Section 76.

2012214224 **ZS Pharma, Inc**

The earliest first regulatory approval date provided by the patentee 09 Apr 2024

For the goods LOKELMA sodium zirconium cyclosilicate hydrate

Extension of Term of patent pursuant to Section 77 expires on 10 Feb 2037

2013334776 **ZS Pharma, Inc.**

The earliest first regulatory approval date provided by the patentee 09 Apr 2024

For the goods LOKELMA sodium zirconium cyclosilicate hydrate

Extension of Term of patent pursuant to Section 77 expires on 22 Oct 2038

2014346576 **ZS Pharma, Inc.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Extensions granted**

The earliest first regulatory approval date provided by the patentee 09 Apr 2024

For the goods LOKELMA sodium zirconium cyclosilicate hydrate

Extension of Term of patent pursuant to Section 77 expires on 09 Apr 2039

**Corrigenda**

In Vol 34 , No 41 , Page(s) 5828 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Pipeline Medical Technologies, Inc., Application No. 2019234447, under INID (72) add co-inventor PHAM, Trung Ho; MCDANIEL, Stephen

**Specifications Republished**

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

2013335678	<b>Daiichi Sankyo Company,Limited</b>
2018390864	<b>Syngenta Crop Protection AG</b>
2019236171	<b>Evoqua Water Technologies LLC</b>
2020342172	<b>Choo, H.</b>
2021311976	<b>CCTEG Beijing Tianma Intelligent Control Technology Co., Ltd.; Beijing CCRI-Tianma Automation Technology Co., Ltd.</b>