



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



## Contents

### General Information & Notices

#### Amendments

Applications for Amendment .....	6025
Amendments Made .....	6025
Alteration of Name(s) of Applicant(s)/Patentee(s) .....	6026

#### Applications Accepted

Name Index .....	6109
Numerical Index .....	6132
IPC Index .....	6134

Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired .....	6022
---	------

#### Applications Open to Public Inspection

Name Index .....	6030
Numerical Index .....	6049
IPC Index .....	6051

Assignments before Grant, Section 113 .....	6024
---	------

Assignments Registered .....	6141
------------------------------	------

#### Certified Innovation Patents

Name Index .....	6138
Numerical Index .....	6139
IPC Index .....	6140

#### Complete Applications Filed

Name Index .....	6011
Numerical Index .....	6018

Corrigenda .....	6142
------------------	------

Extensions of Term of Standard Patents .....	6142
--	------

<b>Extensions of Time, Section 223 .....</b>	<b>6024</b>
<b>Innovation Patent Applications Filed</b>	
Name Index .....	6020
Numerical Index .....	6021
<b>PCT applications which have entered the National Phase</b>	
Name Index .....	6054
Numerical Index .....	6098
IPC Index .....	6102
<b>Patents Granted .....</b>	<b>6141</b>
<b>Mortgages Registered .....</b>	<b>6142</b>
<b>Opposition Proceedings .....</b>	<b>6141</b>
<b>Provisional Applications Filed</b>	
Name Index .....	6007
Numerical Index .....	6010
<b>Specifications Republished .....</b>	<b>6143</b>

## *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).

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

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

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

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

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

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

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

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
<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 -

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 26 October 2023**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Taranis Power Group Pty Ltd v LAA Industries,  
Anderson IP v LAA Industries [2023] APO 52***

Patent: 2017210650

Title: Motor Starting and Control System and Method Utilised by Directly Connecting Islanded Reciprocating Engine Powered Generators

Applicant: LAA Industries Pty Ltd

Opponent 1: Taranis Power Group Pty Ltd  
Opponent 2: Anderson IP

Delegate: Dr N. R. Madsen – Deputy Commissioner of Patents

Decision Date: 13 October 2023

Hearing Date: Written submissions completed 29 August 2023

Catchwords: **PATENTS** – opposition under section 104 – electric motor and control system for pumping – allowability under subsection 102(2)(b) considered – whether as a result of the amendments, the specification would claim matter not clear or supported, or specification fails to clearly and completely describe the invention – amendment allowable – costs awarded against the opponents

Representation: Patent attorney for the applicant: Armour IP  
Counsel for opponent 1: J. S Cooke SC and A. E. McDonald  
Patent attorney for opponent 1: Patenteur  
Patent attorney for opponent 2: Anderson IP

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 10 Oct 2023 .

(71) Acefield Constructions PTY LTD (21) 2023903311 (22) 17.10.2023 (54) A modular formwork system	(71) Cleo Diagnostics Ltd (21) 2023903261 (22) 11.10.2023 (54) Methods of detecting and/or diagnosing a malignant condition	(71) Envision Sciences Pty Ltd (21) 2023903295 (22) 16.10.2023 (54) Methods for Detecting Ovarian Cancer
(71) ASSA ABLOY Australia Pty Limited (21) 2023903310 (22) 17.10.2023 (54) POWER MODULE FOR AN ELECTRONIC LOCK ASSEMBLY	(71) CodeDog Pty Ltd (21) 2023903265 (22) 12.10.2023 (54) METHOD AND APPARATUS FOR DETERMINING GEOMETRIC PARAMETERS	(71) Ethyr Holdings Pty Ltd (21) 2023903269 (22) 12.10.2023 (54) Target recycled hybridisation chain reaction
(71) Asynchronous Global AB (21) 2023903287 (22) 13.10.2023 (54) SYSTEMS AND METHODS FOR COORDINATING MULTI PARTY COMMUNICATION	(71) Coglitore, C. (21) 2023903266 (22) 12.10.2023 (54) AIMED	(71) Frontline Trading Pty Ltd (21) 2023903257 (22) 11.10.2023 (54) Fold away, wall mounted adjustable disability access ramp system
(71) Barron, D. (21) 2023903297 (22) 16.10.2023 (54) DEVICES & METHODS FOR DELIVERY OF SUBSTANCES TO ANIMALS	(71) CosmoAesthetics Pty Ltd (21) 2023903268 (22) 12.10.2023 (54) A therapeutic toothbrush	(71) Future Science Pty Ltd (21) 2023903276 (22) 13.10.2023 (54) A PROCESS AND PLANT
(71) BCAI Solutions Pty Ltd (21) 2023903299 (22) 16.10.2023 (54) FIRE EXTINGUISHER PIN PULL SENSOR ASSEMBLY	(71) Delica Therapeutics Pty Ltd (21) 2023903305 (22) 17.10.2023 (54) Synthesis of polyphenols	(71) G.M GIBBS & I.W GIBBS (21) 2023903290 (22) 15.10.2023 (54) EzySNIP 90 Degree Internal Corner
(71) BCAI Solutions Pty Ltd (21) 2023903301 (22) 16.10.2023 (54) DIGITIZED PRESSURE GAUGE	(71) Drawbridge Labs Asset Pty Ltd (21) 2023903302 (22) 16.10.2023 (54) Method and system for accessing a digital 3D model of a scene	(71) GEARING, P.C. (21) 2023903306 (22) 17.10.2023 (54) SUBSURFACE IRRIGATION SYSTEM
(71) Big Picture Aesthetics Pty Ltd (21) 2023903255 (22) 11.10.2023 (54) SPRAY CAN NOZZLE INCLUDING A BRUSH TIP ATTACHMENT	(71) DTCN Group Pty Ltd (21) 2023903263 (22) 11.10.2023 (54) IMPROVED TOPLOAD CARD HOLDER	(71) GlyTherix Ltd. (21) 2023903279 (22) 13.10.2023 (54) Stable anti-GPC-1 antibodies and uses thereof
(71) Breville Pty Limited (21) 2023903286 (22) 13.10.2023 (54) A pump and methods of controlling the same	(71) Dunbar, K. (21) 2023903281 (22) 13.10.2023 (54) A green process for the treatment of high-fibre foodstuffs	(71) Gonzalez, A. (21) 2023903291 (22) 16.10.2023 (54) Neo Leadership
(71) ELECTRO NAUTIC PTY LTD (21) 2023903304 (22) 16.10.2023 (54) Hydrofoil Mount		(71) Graphene Manufacturing Group Ltd (21) 2023903309 (22) 17.10.2023 (54) Improved battery

Provisional Applications Filed - Name Index cont'd

(71) Gray, I.  
(21) 2023903282 (22) 13.10.2023  
(54) Wick Drain System with Air Lift

(71) Imdex Technologies Pty Ltd  
(21) 2023903262 (22) 11.10.2023  
(54) System and methods for identifying an orientation location on a core sample

(71) Infensa Bioscience Pty Ltd; The University of Queensland  
(21) 2023903298 (22) 16.10.2023  
(54) INHIBITORS AND USES THEREFOR

(71) IP Reserve Pty Ltd  
(21) 2023903258 (22) 11.10.2023  
(54) A PALLET

(71) Jenkins Asia Tech Shanghai Limited  
(21) 2023903260 (22) 11.10.2023  
(54) Repellent device

(71) J Smith Holdings Pty Ltd  
(21) 2023903289 (22) 13.10.2023  
(54) A PROMPT ENGINEERING METHOD FOR PERFORMING ASSESSMENTS

(71) LAM, P.C.  
(21) 2023903280 (22) 13.10.2023  
(54) Changeable , Exchangeable , Replaceable Shoes Outsoles . Using 5 Methods as listed below : 1) Using Zips . 2) Using magnets . 3) Using Screws , Nuts , Bolts, Slide-on , Clip-on , Click-in , Snap-lock . 4) Digital -3D printing . 5) Solar Magnetism . Please refer to Appendix A and B for more information .

(71) LAM (Parker), C.P.  
(21) 2023903277 (22) 09.10.2023  
(54) Changeable, Exchangeable, Replaceable Shoes Outsoles Using 5 methods as listed below: 1) Using zips, 2) Using magnets, 3) Using screws, nuts & bolts, slide on, clip on, click in, snap locks, 4) Digital-3D printing, 5) Solar Magnetism. Please refer to the attachments: Appendix A & B for more details.

(71) LIR ENERGY PTY LTD  
(21) 2023903259 (22) 11.10.2023  
(54) Seawater Pumped Hydro

(71) Maxtrax Australia Pty Ltd  
(21) 2023903275 (22) 13.10.2023  
(54) Motorcycle recovery device

(71) Mesoblast International Sarl  
(21) 2023903270 (22) 12.10.2023  
(54) Method for treating viral infection with mesenchymal lineage precursor or stem cells

(71) MORSE MICRO PTY. LTD.  
(21) 2023903292 (22) 16.10.2023  
(54) Adaptive power-save mode management methods and devices for a wireless communication network

(71) Perron Institute for Neurological and Translational Science Limited  
(21) 2023903308 (22) 17.10.2023  
(54) Treatments for Psoriasis

(71) Pro-Test Pty Ltd  
(21) 2023903273 (22) 12.10.2023  
(54) Downhole assembly, gauge and rotor

(71) RAGE Biotech Pty Ltd  
(21) 2023903272 (22) 12.10.2023  
(54) siRNA targeting RAGE

(71) ResMed Asia Pte. Ltd.  
(21) 2023903278 (22) 13.10.2023  
(54) VENT FOR A RESPIRATORY SYSTEM

(71) Richard, D.D.M.  
(21) 2023903256 (22) 11.10.2023  
(54) Kitchen order docket management system

(71) Rock Bar Pty. Ltd.  
(21) 2023903315 (22) 18.10.2023  
(54) Rock Planter Pot

(71) Romo Morales, C.A.  
(21) 2023903313 (22) 18.10.2023  
(54) ELECTRIC MOTORBIKE RACK/CARRIER

(71) Sarry Nominees Pty Ltd  
(21) 2023903271 (22) 12.10.2023  
(54) PROCESS AND APPARATUS FOR MOULDING AN EDIBLE PRODUCT

(71) SATO HOLDINGS CORPORATION  
(21) 2023903284 (22) 13.10.2023  
(54) Radio Frequency Antenna Tuner Block

(71) St. Vincent's Hospital Sydney Limited  
(21) 2023903285 (22) 13.10.2023  
(54) Heart pump outflow conduit

(71) Swinburne University of Technology  
(21) 2023903312 (22) 17.10.2023  
(54) A MICROCOMB-BASED FREE SPACE OPTICAL COMMUNICATION SYSTEM

The University of Queensland see Infensa Bioscience Pty Ltd  
(21) 2023903298

(71) The University of Queensland  
(21) 2023903303 (22) 16.10.2023  
(54) A FORMING APPARATUS AND METHOD

(71) Turner, A.  
(21) 2023903274 (22) 12.10.2023  
(54) Sorrel Deseeder

(71) Van Nieuwkerk, K.  
(21) 2023903288 (22) 13.10.2023  
(54) A system for gathering the preferences of individuals using the 9 intelligence types and related attributes, with real-life examples to match people with roles that will suit their personality type and natural abilities.

(71) Ware, M.  
(21) 2023903283 (22) 13.10.2023  
(54) Caddy to lift, carry and manually transport, long or sheet type loads in the load lengthwise direction

(71) WEIR MINERALS AUSTRALIA LTD  
(21) 2023903293 (22) 16.10.2023  
(54) CENTRIFUGE SEPARATOR APPARATUS

(71) WEIR MINERALS AUSTRALIA LTD  
(21) 2023903294 (22) 16.10.2023  
(54) CENTRIFUGE SEPARATOR APPARATUS WITH ADJUSTABLE INLET ASSEMBLY

(71) Williams, S.  
(21) 2023903296 (22) 16.10.2023  
(54) Cot rocking mechanism

(71) Wilson, J.  
(21) 2023903267 (22) 12.10.2023  
(54) Food item separating apparatus

(71) Woolward, L.  
(21) 2023903300 (22) 16.10.2023  
(54) A PRESET CAP FOR USE WITH A LUBRICANT INJECTOR AND A METHOD OF USE THEREOF

Provisional Applications Filed - Name Index cont'd

(71) Xcalibur MPH Switzerland SA  
(21) 2023903264 (22) 11.10.2023  
(54) SYSTEM AND METHOD FOR RE-  
MOTE DETECTION OF MOLECULAR  
HYDROGEN

**Numerical Index**

2023903255	Big Picture Aesthetics Pty Ltd
2023903256	Richard, D.D.M.
2023903257	Frontline Trading Pty Ltd
2023903258	IP Reserve Pty Ltd
2023903259	LIR ENERGY PTY LTD
2023903260	Jenkins Asia Tech Shanghai Limited
2023903261	Cleo Diagnostics Ltd
2023903262	Imdex Technologies Pty Ltd
2023903263	DTCN Group Pty Ltd
2023903264	Xcalibur MPH Switzerland SA
2023903265	CodeDog Pty Ltd
2023903266	Cogliore, C.
2023903267	Wilson, J.
2023903268	CosmoAesthetics Pty Ltd
2023903269	Ethyr Holdings Pty Ltd
2023903270	Mesoblast International Sarl
2023903271	Sarry Nominees Pty Ltd
2023903272	RAGE Biotech Pty Ltd
2023903273	Pro-Test Pty Ltd
2023903274	Turner, A.
2023903275	Maxtrax Australia Pty Ltd
2023903276	Future Science Pty Ltd
2023903277	LAM (Parker), C.P.
2023903278	ResMed Asia Pte. Ltd.
2023903279	GlyTherix Ltd.
2023903280	LAM, P.C.
2023903281	Dunbar, K.
2023903282	Gray, I.
2023903283	Ware, M.
2023903284	SATO HOLDINGS CORPORATION
2023903285	St. Vincent's Hospital Sydney Limited
2023903286	Breville Pty Limited
2023903287	Asynchronous Global AB
2023903288	Van Nieuwkerk, K.
2023903289	J Smith Holdings Pty Ltd
2023903290	G.M GIBBS & I.W GIBBS
2023903291	Gonzalez, A.
2023903292	MORSE MICRO PTY. LTD.
2023903293	WEIR MINERALS AUSTRALIA LTD
2023903294	WEIR MINERALS AUSTRALIA LTD
2023903295	Envision Sciences Pty Ltd
2023903296	Williams, S.
2023903297	Barron, D.
2023903298	Infensa Bioscience Pty Ltd; The University of Queensland
2023903299	BCAI Solutions Pty Ltd
2023903300	Woolward, L.
2023903301	BCAI Solutions Pty Ltd
2023903302	Drawbridge Labs Asset Pty Ltd
2023903303	The University of Queensland
2023903304	ELECTRO NAUTIC PTY LTD
2023903305	Delica Therapeutics Pty Ltd
2023903306	GEARING, P.C.
2023903308	Perron Institute for Neurological and Translational Science Limited
2023903309	Graphene Manufacturing Group Ltd
2023903310	ASSA ABLOY Australia Pty Limited
2023903311	Acefield Constructions PTY LTD
2023903312	Swinburne University of Technology
2023903313	Romo Morales, C.A.
2023903315	Rock Bar Pty. Ltd.

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 10 Oct 2023 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

<hr/> <p>(71) Able High International Ltd. (21) 2023248116 (22) 11.10.2023 (54) Separation of stacked containers in an automatic container feed arrangement (62) 2016225935</p> <hr/> <p>(71) Aclaris Therapeutics, Inc. (21) 2023248127 (22) 12.10.2023 (54) SUBSTITUTED PYRRO-LOPYRIMIDINE JAK INHIBITORS AND METHODS OF MAKING AND USING THE SAME (62) 2018360059</p> <hr/> <p><b>Adam Levi PONCHER see Khoros, LLC</b> (21) 2023241398</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2023242090 (22) 09.10.2023 (54) Semi-Open Loop Liquefaction Process (31) 17/965,865 (32) 14.10.22 (33) US</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2023243420 (22) 09.10.2023 (54) Open Loop Liquefaction Process with NGL Recovery (31) 17/965,883 (32) 14.10.22 (33) US</p> <hr/> <p>(71) Ali Murat Kalkan (21) 2023248090 (22) 10.10.2023 (54) Video Demo Procedure For Emergency Exits in Plane</p> <hr/> <p>(71) Alnylam Pharmaceuticals, Inc. (21) 2023248138 (22) 12.10.2023 (54) COMPOSITIONS AND METHODS FOR INHIBITING EXPRESSION OF TRANSTHYRETIN (62) 2021203272</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023248132 (22) 12.10.2023 (54) TABLE GAME SYSTEM (62) 2022200898</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023248182 (22) 13.10.2023 (54) FRAUD DETECTION SYSTEM IN CASINO (62) 2021225257</p>	<hr/> <p>(71) Apple Inc. (21) 2023241370 (22) 06.10.2023 (54) Health event logging and coaching user interfaces (62) 2020313970</p> <hr/> <p>(71) Apple Inc. (21) 2023248134 (22) 12.10.2023 (54) Systems and methods for proactively identifying and surfacing relevant content on a touch-sensitive device (62) 2022200758</p> <hr/> <p>(71) Apple Inc. (21) 2023248135 (22) 12.10.2023 (54) Systems and methods for proactively identifying and surfacing relevant content on a touch-sensitive device (62) 2022200758</p> <hr/> <p>(71) Applied Medical Resources Corporation (21) 2023248097 (22) 11.10.2023 (54) Surgical stapler with partial pockets (62) 2021203263</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023248054 (22) 09.10.2023 (54) DEVICE FOR STABILIZING GAMING MACHINE (31) 18/478,981 (32) 29.09.23 (33) US</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023241388 (22) 06.10.2023 (54) A GAMING SYSTEM AND A METHOD OF GAMING (62) 2021221896</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023242247 (22) 09.10.2023 (54) ENHANCED ELECTRONIC GAMING MACHINES PROVIDING SELECTIVELY VOLATILE WAGER OUTCOMES (62) 2019201796</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023248091 (22) 10.10.2023</p>	<hr/> <p>(54) GAMING SYSTEM AND A METHOD OF GAMING (62) 2021212160</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023248092 (22) 10.10.2023 (54) ELECTRONIC GAMING SYSTEM FOR CONDUCTING A WAGERING GAME AND METHOD OF USE (62) 2021212157</p> <hr/> <p>(71) Arm West, LLC (21) 2023241387 (22) 06.10.2023 (54) Firearm systems and methods (62) 2021201038</p> <hr/> <p>(71) Arvinas Operations, Inc. (21) 2023248067 (22) 10.10.2023 (54) CEREBLON LIGANDS AND BIFUNCTIONAL COMPOUNDS COMPRISING THE SAME (62) 2019251223</p> <hr/> <p>(71) Australian Conveyor Components Pty Limited (21) 2023248058 (22) 10.10.2023 (54) Conveyor belt cleaning apparatus (62) 2021205136</p> <hr/> <p>(71) AVID Property Group Pty Ltd (21) 2023248114 (22) 11.10.2023 (54) METHOD OF RELOCATING A RELOCATABLE DWELLING AND RELOCATABLE DWELLING (31) 2022903011 (32) 13.10.22 (33) AU</p> <hr/> <p>(71) Barrett, P. (21) 2023248096 (22) 11.10.2023 (54) A Clip (31) 2022902991 (32) 12.10.22 (33) AU</p> <hr/> <p>(71) BASF Agricultural Solutions Seed US LLC (21) 2023248098 (22) 11.10.2023 (54) AXM1477, AXM1482, AXM1486 AND AXM1525 TOXIN GENES FROM BACILLUS THURINGIENSIS AND METHODS FOR THEIR USE (62) 2021201939</p> <hr/> <p>(71) Bausch &amp; Lomb Incorporated (21) 2023248145 (22) 12.10.2023</p>
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Complete Applications Filed - Name Index cont'd

(54) Ophthalmic suspension composition  
(62) 2021203027

(71) Becton, Dickinson and Company  
(21) 2023248159 (22) 13.10.2023  
(54) UNIVERSAL SINGLE-USE CAP FOR MALE AND FEMALE CONNECTORS  
(62) 2022200360

(71) Becton, Dickinson and Company  
(21) 2023248174 (22) 13.10.2023  
(54) Needle capture safety interlock for catheter  
(62) 2021215164

(71) BERKEM DEVELOPPEMENT  
(21) 2023241397 (22) 09.10.2023  
(54) Insect pest detection system and associated method  
(31) 23189063.3 (32) 01.08.23 (33) EP

(71) Bio Bond ApS  
(21) 2023248141 (22) 12.10.2023  
(54) Resins derived from renewable sources and structures manufactured from said resins  
(62) 2018258841

(71) Blackhawk Network, Inc.  
(21) 2023248078 (22) 10.10.2023  
(54) A system for payment via electronic wallet  
(62) 2021236487

(71) Blackhawk Network, Inc.  
(21) 2023248081 (22) 10.10.2023  
(54) Prepaid card with savings feature  
(62) 2021236489

(71) Blackhawk Network, Inc.  
(21) 2023248178 (22) 13.10.2023  
(54) Systems and methods for providing a transaction card package assembly including sample product or service  
(62) 2021218055

(71) Blink AG  
(21) 2023248126 (22) 12.10.2023  
(54) A sample cartridge for incubating and/or analyzing a dispersion of particles, cells or droplets  
(62) 2018293387

(71) Boston Scientific Scimed, Inc.  
(21) 2023248154 (22) 12.10.2023  
(54) Inflatable penile prosthesis having a cylinder with a porous portion  
(62) 2021250888

(71) Boston Scientific Scimed Inc  
(21) 2023248070 (22) 10.10.2023

(54) Reduced thrombosis blood pump  
(62) 2020358073

(71) BRIEN HOLDEN VISION INSTITUTE  
(21) 2023248115 (22) 11.10.2023  
(54) LENS FOR MYOPIC EYE  
(62) 2021203837

(71) Calderon Agudo, O.  
(21) 2023241376 (22) 06.10.2023  
(54) METHOD OF, AND APPARATUS FOR, NON-INVASIVE MEDICAL IMAGING USING WAVEFORM INVERSION  
(62) 2017375899

(71) Canon Kabushiki Kaisha  
(21) 2023248075 (22) 10.10.2023  
(54) Method, apparatus and system for encoding and decoding a tensor

(71) Canon Kabushiki Kaisha  
(21) 2023248076 (22) 10.10.2023  
(54) Method, apparatus and system for encoding and decoding a tensor

(71) Canon Kabushiki Kaisha  
(21) 2023248180 (22) 13.10.2023  
(54) Cartridge, process cartridge and electrophotographic image forming apparatus  
(62) 2021221578

(71) Canva Pty Ltd  
(21) 2023241367 (22) 06.10.2023  
(54) Systems and methods for arranging design elements

(71) Cape Analytics, Inc.  
(21) 2023248173 (22) 13.10.2023  
(54) Method for Property Feature Segmentation  
(62) 2021285832

(71) Caterpillar Underground Mining Pty Ltd  
(21) 2023248133 (22) 12.10.2023  
(54) Hose retention system

(71) CFPH, LLC  
(21) 2023241401 (22) 09.10.2023  
(54) AMUSEMENT DEVICES AND GAMES INVOLVING PROGRESSIVE JACKPOTS  
(62) 2021229231

(71) Chantrell, M.  
(21) 2023241402 (22) 09.10.2023  
(54) Swallow Sentinel For Control Of Pest Birds

(71) China Bambino Prezioso Co., Ltd.  
(21) 2023248163 (22) 13.10.2023  
(54) Top cover, base for child safety seat and child safety seat  
(62) 2021204285

(71) Clawson, J.  
(21) 2023248051 (22) 09.10.2023  
(54) Picture/video messaging system for emergency response  
(62) 2021217991

(71) COMFITPRO (PTY) LTD  
(21) 2023248164 (22) 13.10.2023  
(54) Method of manufacture of a lawn bowl

(71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2023241393 (22) 07.10.2023  
(54) Microporous aerogel  
(62) 2021326002

Dasi, L. see Heitkemper, M.  
(21) 2023248089

(71) Deciphera Pharmaceuticals, LLC  
(21) 2023241368 (22) 06.10.2023  
(54) Compositions of 1-(4-bromo-5-(1-ethyl-7-(methylamino)-2-oxo-1,2-dihydro-1,6-naphthyridin-3-yl)-2-fluorophenyl)-3-phenylurea  
(62) 2020417282

(71) Deciphera Pharmaceuticals, LLC  
(21) 2023248048 (22) 09.10.2023  
(54) Amorphous kinase inhibitor formulations and methods of use thereof  
(62) 2020419197

(71) Deep Brain Innovations LLC  
(21) 2023241369 (22) 06.10.2023  
(54) PROGRAMMING SYSTEMS FOR DEEP BRAIN STIMULATOR SYSTEM  
(62) 2021202229

(71) Degan, G.  
(21) 2023248136 (22) 12.10.2023  
(54) An Attachable Apparatus for a Bed  
(31) 2023900751 (32) 19.03.23 (33) AU

(71) Dexcom, Inc.  
(21) 2023248147 (22) 12.10.2023  
(54) Systems and methods for patient monitoring using an HCP-specific device  
(62) 2021203005

(71) Edwards Lifesciences Corporation  
(21) 2023241363 (22) 06.10.2023  
(54) Catheter assembly  
(62) 2021204636

Complete Applications Filed - Name Index cont'd

(71) Edwards Lifesciences Corporation (21) 2023241374 (22) 06.10.2023 (54) Covered prosthetic heart valve (62) 2022202244	(71) Gen-Probe Incorporated (21) 2023241371 (22) 06.10.2023 (54) Compositions and methods for detecting Zika virus nucleic acid (62) 2023201323	(71) HKG Epitherapeutics Limited (21) 2023241365 (22) 06.10.2023 (54) DNA METHYLATION MARKERS FOR NONINVASIVE DETECTION OF CANCER AND USES THEREOF (62) 2019301959
(71) Epizyme, Inc.; The Regents of the University of Colorado, a Body Corporate (21) 2023246384 (22) 09.10.2023 (54) METHOD OF TREATING MEDULLOBLASTOMA WITH AN EZH2 INHIBITOR (62) 2021204331	(71) Gen-Probe Incorporated (21) 2023241372 (22) 06.10.2023 (54) Compositions and methods for detecting Zika virus nucleic acid (62) 2023201323	(71) HONEYWELL INTERNATIONAL INC. (21) 2023248142 (22) 12.10.2023 (54) APPARATUSES, COMPUTER-IMPLEMENTED METHODS, AND COMPUTER PROGRAM PRODUCTS FOR IMPROVED BLENDING ELEMENT MODELING (31) 63/384022 (32) 16.11.22 (33) US 18/184292 15.03.23 US
(71) EPTA S.p.A. (21) 2023241379 (22) 06.10.2023 (54) VAPOUR COMPRESSION REFRIGERATION SYSTEM WITH ROTARY PRESSURE EXCHANGER AND MANAGEMENT METHOD OF SUCH A SYSTEM (31) 102022000020811 (32) 10.10.22 (33) IT	(71) Gen-Probe Incorporated (21) 2023241385 (22) 06.10.2023 (54) Compositions and methods for detecting HEV nucleic acid (62) 2023200928	(71) HONEYWELL INTERNATIONAL INC. (21) 2023248143 (22) 12.10.2023 (54) APPARATUSES, COMPUTER-IMPLEMENTED METHODS, AND COMPUTER PROGRAM PRODUCTS FOR PLANTWIDE OPTIMIZATION WITH MULTISTAGE PRE-BLENDING (31) 63/384025 (32) 16.11.22 (33) US 18/184954 16.03.23 US
(71) EQUUS AEROSPACE PTY. LTD. (21) 2023241394 (22) 08.10.2023 (54) The Xemdir Field Generator (31) 2022902944 (32) 09.10.22 (33) AU	(71) Google LLC (21) 2023243054 (22) 09.10.2023 (54) DECODING ERRORS USING QUANTUM SUBSPACE EXPANSION (62) 2022256137	(71) Horizon Quantum Computing PTE. LTD. (21) 2023248094 (22) 11.10.2023 (54) SYSTEMS AND METHODS FOR UNIFIED COMPUTING ON DIGITAL AND QUANTUM COMPUTERS (62) 2021203658
(71) ESS Tech, Inc. (21) 2023248118 (22) 11.10.2023 (54) Methods and systems for operating a redox flow battery system (62) 2018258692	(71) Greening Be Gone, LLC (21) 2023248153 (22) 12.10.2023 (54) Composition and method of treating bacterial and viral pathogens in plants (62) 2020315413	(71) Huang, V. (21) 2023241377 (22) 06.10.2023 (54) Battery recycling (31) 2022902909 (32) 06.10.22 (33) AU
(71) Exel Industries (21) 2023248064 (22) 10.10.2023 (54) Method for calibrating an agricultural sprayer (31) 2210784 (32) 19.10.22 (33) FR	(71) Guardant Health, Inc. (21) 2023248050 (22) 09.10.2023 (54) Diagnostic methods (62) 2021218122	(71) HUANG, C. (21) 2023241389 (22) 06.10.2023 (54) ELECTRIC WINCH PROTECTION DEVICE
(71) FTS Kabushiki Kaisha (21) 2023248059 (22) 10.10.2023 (54) System, Method, Operator Server, and Program for Financial Demand Response Provision Services (62) 2017389212	Hangzhou DAC Biotech Co., Ltd see Suzhou M-Conj Biotech Co., Ltd. (21) 2023248079	(71) Huawei Technologies Co., Ltd. (21) 2023248068 (22) 10.10.2023 (54) IMAGE PROCESSING DEVICE AND METHOD FOR PERFORMING QUALITY OPTIMIZED DEBLOCKING (62) 2019351346
(71) Gallagher-Dann, M. (21) 2023248049 (22) 09.10.2023 (54) Spreadable foodstuff dispenser (31) 2022903099 (32) 20.10.22 (33) AU	(71) Hassarati, J. (21) 2023248072 (22) 10.10.2023 (54) string lined paper bags	(71) Huawei Technologies Co., Ltd. (21) 2023248166 (22) 13.10.2023 (54) INTRA PREDICTION METHOD AND DEVICE (62) 2019353560
(71) Gambro Lundia AB (21) 2023248083 (22) 10.10.2023 (54) Medical device system including information technology infrastructure having secure cluster domain supporting external domain (62) 2017381172	(71) HBI Branded Apparel Enterprises, LLC (21) 2023248148 (22) 12.10.2023 (54) Garment waistband (31) 63/379,262 (32) 12.10.22 (33) US	(71) Hunter Douglas, Inc. (21) 2023248080 (22) 10.10.2023
(71) Heitkemper, M.; Koupaei, A.; Dasi, L.; Ohio State Innovation Foundation (21) 2023248089 (22) 10.10.2023 (54) Prosthetic heart valve with tri-leaflet design for use in percutaneous valve replacement procedures (62) 2018294423	(71) HiFiBio SAS (21) 2023241386 (22) 06.10.2023 (54) Microfluidic method for single cell analysis (62) 2019254674	

Complete Applications Filed - Name Index cont'd

(54) Motor assemblies for architectural coverings  
(62) 2017248498

**IMDS LLC see Mayo Foundation for Medical Education and Research**  
(21) 2023248069

(71) IP Reserve Pty Ltd  
(21) 2023248073 (22) 10.10.2023  
(54) A PALLET  
(31) 2022902959 (32) 10.10.22 (33) AU  
2033575 21.11.22 NL

(71) Janus Electric Pty Ltd  
(21) 2023248062 (22) 10.10.2023  
(54) Electric vehicle battery network management system, method and vehicle  
(62) 2020338479

**Jessica Marie WOODS see Khoros, LLC**  
(21) 2023241398

**Jinko Solar Co., Ltd. see Zhejiang Jinko Solar Co., Ltd.**  
(21) 2023248146

**Jinko Solar Co., Ltd. see Zhejiang Jinko Solar Co., Ltd.**  
(21) 2023248149

(71) Johnson & Johnson Consumer Inc.  
(21) 2023241381 (22) 06.10.2023  
(54) Amino acid derivatives and their uses  
(62) 2021240334

(71) Kankakee Spikeball, Inc.  
(21) 2023248086 (22) 10.10.2023  
(54) Game playable on land or water  
(62) 2019201069

(71) Karl Leibinger Medizintechnik GmbH & Co. KG  
(21) 2023248165 (22) 13.10.2023  
(54) RESECTION TEMPLATE FOR THE RESECTION OF A BONE  
(31) 102022212308.5 (32) 18.11.22 (33) DE

(71) Khoros, LLC; Shane Jackson DAVIS; Jessica Marie WOODS; Adam Levi PONCHER  
(21) 2023241398 (22) 09.10.2023  
(54) Continuous data sensing of functional states of networked computing devices to determine efficiency metrics for servicing electronic messages asynchronously  
(62) 2020276284

(71) Klabin S/A  
(21) 2023247465 (22) 09.10.2023  
(54) Kraffliner paper made of short chemical fibres  
(62) 2018397701

(71) Kolodziejczyk, B.  
(21) 2023248074 (22) 10.10.2023  
(54) Use of a common shaft multistage turbine and associated method of energy generation  
(31) 2022902996 (32) 12.10.22 (33) AU

(71) Komatsu Ltd.  
(21) 2023248171 (22) 13.10.2023  
(54) System for managing work site and method for managing work site  
(62) 2020286845

**Koupaei, A. see Heitkemper, M.**  
(21) 2023248089

(71) KRISH CAPITAL PTY LTD  
(21) 2023248045 (22) 09.10.2023  
(54) Computing system and method for generating financial instruments portfolio  
(31) 202241057569 (32) 07.10.22 (33) IN

(71) KRISH CAPITAL PTY LTD  
(21) 2023248046 (22) 09.10.2023  
(54) Method and system for evaluating trends in a stock using a momentum score  
(31) 202241057558 (32) 07.10.22 (33) IN

(71) Lam, T.T.  
(21) 2023248061 (22) 10.10.2023  
(54) SHELL LIKE STRUCTURE FOR WAVE ENERGY SYSTEM

(71) LG Electronics Inc.  
(21) 2023241366 (22) 06.10.2023  
(54) Refrigerator  
(62) 2021204032

(71) LG Electronics Inc.  
(21) 2023248155 (22) 12.10.2023  
(54) METHOD AND DEVICE FOR SIGNALING INFORMATION RELATED TO SLICE IN IMAGE/VIDEO ENCODING/DECODING SYSTEM  
(62) 2020393729

(71) LivePerson, Inc.  
(21) 2023241384 (22) 06.10.2023  
(54) Function-as-a-service cloud chatbot for two-way communication systems  
(62) 2020402099

(71) Lynam, B.  
(21) 2023248140 (22) 12.10.2023

(54) A waterproofing recessed electrical junction box  
(62) 2021204226

(71) Mansell, J.  
(21) 2023248175 (22) 13.10.2023  
(54) Spinal cord stimulator  
(62) 2018226868

(71) MARA RENEWABLES CORPORATION  
(21) 2023248065 (22) 10.10.2023  
(54) Method of making lipids with improved cold flow properties  
(62) 2022201863

(71) Maruho Medical, Inc.  
(21) 2023248150 (22) 12.10.2023  
(54) Method and apparatus for passing suture  
(62) 2021203419

**Massachusetts Institute of Technology see The Broad Institute, Inc.**  
(21) 2023241391

**Massachusetts Institute of Technology see The Broad Institute, Inc.**  
(21) 2023241392

**Massachusetts Institute of Technology see The Broad Institute, Inc.**  
(21) 2023241400

(71) Mayo Foundation for Medical Education and Research; IMDS LLC  
(21) 2023248069 (22) 10.10.2023  
(54) Joint fusion implants, instruments, and methods  
(62) 2022202746

**Microbial Resource Management Health NV see Universiteit Gent**  
(21) 2023248066

(71) Miles, S.  
(21) 2023248087 (22) 10.10.2023  
(54) ELEVATING STORAGE APPARATUS  
(62) 2021203462

(71) Mizuho Orthopedic Systems, Inc.  
(21) 2023248168 (22) 13.10.2023  
(54) SYSTEM, APPARATUS AND METHOD FOR SUPPORTING AND/OR POSITIONING A PATIENT BEFORE, DURING, OR AFTER A MEDICAL PROCEDURE  
(62) 2018277030

(71) Modular Mining Systems, Inc.  
(21) 2023241364 (22) 06.10.2023

Complete Applications Filed - Name Index cont'd

(54) DRIVER GUIDANCE FOR GUIDED MANEUVERING  
(62) 2022201853

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(71) Movax Oy  
(21) 2023248128 (22) 12.10.2023  
(54) A PILE DRIVING SYSTEM  
(31) 22202697.3 (32) 20.10.22 (33) EP

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(71) Murdoch Children's Research Institute  
(21) 2023248169 (22) 13.10.2023  
(54) Haematopoietic stem/progenitor cells  
(62) 2017263716

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(71) Neurovigil, Inc.  
(21) 2023241380 (22) 06.10.2023  
(54) Localized collection of biological signals, cursor control in speech-assistance interface based on biological electrical signals and arousal detection based on biological electrical signals  
(62) 2021250913

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(71) Nevro Corporation  
(21) 2023248130 (22) 12.10.2023  
(54) MULTI-FREQUENCY NEURAL TREATMENTS AND ASSOCIATED SYSTEMS AND METHODS  
(62) 2021202187

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(71) Nicoventures Trading Limited  
(21) 2023241399 (22) 09.10.2023  
(54) Aerosol provision systems  
(62) 2020366138

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(71) Nokia Technologies Oy  
(21) 2023248137 (22) 12.10.2023  
(54) Communication of uplink control information  
(62) 2019428744

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(71) Nordic Bioscience A/S  
(21) 2023248181 (22) 13.10.2023  
(54) LG3 Assay

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**Novartis AG see Pear Therapeutics (US), Inc.**  
(21) 2023241396

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(71) NuVasive Specialized Orthopedics, Inc.  
(21) 2023248125 (22) 12.10.2023  
(54) EXTRAMEDULLARY DEVICE  
(31) 17/971,044 (32) 21.10.22 (33) US

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**Ohio State Innovation Foundation see Heitkemper, M.**  
(21) 2023248089

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(71) Ojai Retinal Technology, LLC  
(21) 2023241390 (22) 06.10.2023

(54) System and process for adjusting treatment parameters for retina phototherapy based on RPE melanin levels  
(62) 2019386722

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(71) Packsize LLC  
(21) 2023248047 (22) 09.10.2023  
(54) Identifying and managing equipment within an operational environment  
(62) 2017368229

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(71) Pear Therapeutics (US), Inc.  
(21) 2023241395 (22) 08.10.2023  
(54) Electronic devices and methods for treating depressive symptoms associated with multiple sclerosis  
(62) 2020257885

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(71) Pear Therapeutics (US), Inc.; Novartis AG  
(21) 2023241396 (22) 08.10.2023  
(54) Electronic devices and methods for treatment of depressive symptoms, depressive disorders utilizing digital therapies  
(62) 2020260060

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(71) PIONEER HI-BRED INTERNATIONAL, INC.  
(21) 2023248172 (22) 13.10.2023  
(54) Engineered nucleases to generate deletion mutants in plants  
(62) 2017271575

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(71) Plasma Giken Co., Ltd.  
(21) 2023248129 (22) 12.10.2023  
(54) COLD SPRAY GUN AND COLD SPRAY APPARATUS EQUIPPED WITH THE SAME  
(62) 2018249142

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(71) President and Fellows of Harvard College  
(21) 2023248053 (22) 09.10.2023  
(54) Antigen-presenting cell-mimetic scaffolds and methods for making and using the same  
(62) 2017295704

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(71) President and Fellows of Harvard College  
(21) 2023248167 (22) 13.10.2023  
(54) Genome engineering  
(62) 2018278911

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(71) Radcell Australia  
(21) 2023247684 (22) 09.10.2023  
(54) Lightweight Precast Concrete Panels

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(71) RAI Strategic Holdings, Inc.  
(21) 2023248055 (22) 09.10.2023

(54) Electronic smoking article  
(62) 2021221917

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(71) Relativity Space, Inc.  
(21) 2023248139 (22) 12.10.2023  
(54) Systems for Localized Work Return Path and Methods Thereof  
(31) 63/379,571 (32) 14.10.22 (33) US

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(71) Revance Therapeutics, Inc.  
(21) 2023241373 (22) 06.10.2023  
(54) Injectable botulinum toxin formulations and methods of use thereof having long duration of therapeutic or cosmetic effect  
(62) 2016343748

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**Robert Yongxin ZHAO see Suzhou M-Conj Biotech Co., Ltd.**  
(21) 2023248079

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(71) Rs Arastirma Egitim Danismanlik Ilac Sanayi Ticaret Anonim Sirketi  
(21) 2023248123 (22) 11.10.2023  
(54) SELF-ASSEMBLED DIBLOCK COPOLYMERS COMPOSED OF PEG-MEMA AND DRUG BEARING POLYMERIC SEGMENTS  
(62) 2017362067

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(71) S. C. Johnson & Son, Inc.  
(21) 2023248151 (22) 12.10.2023  
(54) Dispenser with an improved heater arrangement  
(62) 2021207443

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(71) Sage Therapeutics, Inc.  
(21) 2023248120 (22) 11.10.2023  
(54) Neuroactive steroids, compositions, and uses thereof  
(62) 2021202433

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(71) Saluda Medical Pty Limited  
(21) 2023248176 (22) 13.10.2023  
(54) ASSISTED PROGRAMMING SYSTEM FOR NEURAL STIMULATION THERAPY  
(31) 2022903222 (32) 31.10.22 (33) AU

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(71) Sap Products Limited  
(21) 2023248095 (22) 11.10.2023  
(54) A goods propulsion device and a shelf with the propulsion device  
(31) 202222732983.0 (32) 14.10.22 (33) CN

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(71) Scarcell Therapeutics  
(21) 2023248121 (22) 11.10.2023  
(54) Composition for the Treatment of a Musculoskeletal Disease  
(62) 2017350159

Complete Applications Filed - Name Index cont'd

(71) Seattle Children's Hospital d/b/a Seattle Children's Research Institute  
 (21) 2023248177 (22) 13.10.2023  
 (54) Bispecific chimeric antigen receptors and therapeutic uses thereof  
 (62) 2020203137

Shane Jackson DAVIS see Khoros, LLC  
 (21) 2023241398

(71) Shanghai Ocean University  
 (21) 2023248088 (22) 10.10.2023  
 (54) METHOD FOR REGULATING HATCHING PERIOD OF TAKIFUGU OBSCURE EMBRYOS BASED ON EFFECTIVE ACCUMULATED TEMPERATURE MODEL  
 (31) 202310905779.0 (32) 24.07.23 (33) CN

(71) Solmax International Inc.  
 (21) 2023248077 (22) 10.10.2023  
 (54) Heap leach liner  
 (31) 17/965,186 (32) 13.10.22 (33) US

(71) Sonos, Inc.  
 (21) 2023248160 (22) 13.10.2023  
 (54) Systems and methods of operating media playback systems having multiple voice assistant services  
 (62) 2022246446

(71) Spacesium  
 (21) 2023244519 (22) 09.10.2023  
 (54) A METHOD FOR ANALYSING LASER MEASUREMENT DATA  
 (31) 2022900959 (32) 11.04.22 (33) AU

(71) Sprint Bioscience AB  
 (21) 2023248170 (22) 13.10.2023  
 (54) 6-Aryl-4-Morpholin-1-Ylpyridone Compounds Useful For The Treatment Of Cancer And Diabetes  
 (62) 2021215234

(71) Stryker Corporation  
 (21) 2023248063 (22) 10.10.2023  
 (54) Bone cleaner that removes soft tissue by pressing bone stock against a cleaning element and clearing the bone stock from the cleaning element  
 (62) 2021204059

(71) Sungrow Power Supply Co., Ltd.  
 (21) 2023248060 (22) 10.10.2023  
 (54) Micro inverter having multiple independent inputs, and photovoltaic system  
 (31) 202222683536.0 (32) 12.10.22 (33) CN

(71) Suzhou M-Conj Biotech Co., Ltd.; Hangzhou DAC Biotech Co., Ltd.; Robert Yongxin ZHAO  
 (21) 2023248079 (22) 10.10.2023  
 (54) Specific conjugation linkers, specific immunoconjugates thereof, methods of making and uses such conjugates thereof  
 (62) 2021266317

(71) Techtronic Cordless GP  
 (21) 2023241375 (22) 06.10.2023  
 (54) Walk behind power tools  
 (31) 63/415356 (32) 12.10.22 (33) US

(71) The Board of Regents of the University of Texas System  
 (21) 2023248161 (22) 13.10.2023  
 (54) Compositions and methods relating to myomixer-promoted muscle cell fusion  
 (62) 2018225436

(71) The Broad Institute, Inc.; Massachusetts Institute of Technology  
 (21) 2023241391 (22) 06.10.2023  
 (54) NOVEL CRISPR ENZYMES AND SYSTEMS  
 (62) 2017253089

(71) The Broad Institute, Inc.; Massachusetts Institute of Technology  
 (21) 2023241392 (22) 06.10.2023  
 (54) CPF1 COMPLEXES WITH REDUCED INDEL ACTIVITY  
 (62) 2017253107

(71) The Broad Institute, Inc.; Massachusetts Institute of Technology  
 (21) 2023241400 (22) 09.10.2023  
 (54) NOVEL CRISPR ENZYMES AND SYSTEMS  
 (62) 2017257274

(71) The NOCO Company  
 (21) 2023248124 (22) 11.10.2023  
 (54) Portable rechargeable battery jump starting device  
 (62) 2022201289

(71) The NOCO Company  
 (21) 2023248179 (22) 13.10.2023  
 (54) Portable or hand held vehicle battery jump starting apparatus with battery cell equalization circuit  
 (62) 2023203625

(71) The Regents of the University of California  
 (21) 2023248082 (22) 10.10.2023  
 (54) Adeno-associated virus virions with variant capsids and methods of use thereof  
 (62) 2018290954

The Regents of the University of Colorado, a Body Corporate see Epizyme, Inc.  
 (21) 2023246384

(71) The United States of America, as represented by the Secretary, Department of Health and Human Services  
 (21) 2023248085 (22) 10.10.2023  
 (54) Substitutions-modified prefusion RSV F proteins and their use  
 (62) 2021261932

(71) The University of Bristol  
 (21) 2023248084 (22) 10.10.2023  
 (54) COMPOUNDS  
 (62) 2021261840

(71) TLS CORP.  
 (21) 2023248162 (22) 13.10.2023  
 (54) EXTRACTING AND ENHANCING A WATERMARK SIGNAL FROM AN OUTPUT SIGNAL OF A WATERMARKING ENCODER  
 (62) 2021205094

(71) TransPod Inc.  
 (21) 2023248071 (22) 10.10.2023  
 (54) Vehicle for travelling along a linear route guideway  
 (62) 2017325182

(71) Transportation IP Holdings, LLC  
 (21) 2023248093 (22) 11.10.2023  
 (54) SIGNAL COMMUNICATION SYSTEM  
 (31) 63/421,197 (32) 01.11.22 (33) US  
 18/479,303 02.10.23 US

(71) Turbosmart Pty Limited  
 (21) 2023241378 (22) 06.10.2023  
 (54) Oil pressure regulator  
 (31) 2022902955 (32) 10.10.22 (33) AU

(71) Universität Bern  
 (21) 2023241362 (22) 06.10.2023  
 (54) Chimeric opsin GPCR proteins  
 (62) 2020392702

(71) Universitat De Les Illes Balears  
 (21) 2023248158 (22) 13.10.2023  
 (54) Alpha-Hydroxylated Fatty-Acid Metabolites, Medical Uses of Same and Use as Biomarkers  
 (62) 2021212330

(71) Université de Montreal  
 (21) 2023241382 (22) 06.10.2023  
 (54) Compounds and use thereof in the expansion of stem cells and/or progenitor cells  
 (62) 2018361971

Complete Applications Filed - Name Index cont'd

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(71) Universiteit Gent; Microbial Resource Management Health NV  
 (21) 2023248066 (22) 10.10.2023  
 (54) Use of microbial communities for human and animal health  
 (62) 2017216285

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(71) Varga, Z.  
 (21) 2023248056 (22) 09.10.2023  
 (54) Body-board with inflatable volume enhancement and as stabilizer

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(71) Vergesense, Inc.  
 (21) 2023248156 (22) 12.10.2023  
 (54) ARRIVAL DETECTION FOR BATTERY-POWERED OPTICAL SENSORS  
 (62) 2020241843

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(71) Vertex Pharmaceuticals Incorporated  
 (21) 2023248117 (22) 11.10.2023  
 (54) Processes for making modulators of cystic fibrosis transmembrane conductance regulator  
 (62) 2018375186

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(71) ViaCyte, Inc.  
 (21) 2023248183 (22) 13.10.2023  
 (54) PDX1 pancreatic endoderm cells in cell delivery devices and methods thereof  
 (62) 2016429418

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(71) VulcanForms Inc.  
 (21) 2023248119 (22) 11.10.2023  
 (54) Additive manufacturing by spatially controlled material fusion  
 (62) 2021240172

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(71) WENZHOU EYEKEPPER TECHNOLOGY CO., LTD  
 (21) 2023248057 (22) 09.10.2023  
 (54) Mechanical Elastic Structure Glasses Without Metal Spring Cores and Without Metal Screws  
 (31) 202223378983.1 (32) 16.12.22 (33) CN  
 18/139,920 26.04.23 US

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(71) Westinghouse Air Brake Technologies Corporation  
 (21) 2023248152 (22) 12.10.2023  
 (54) HYBRID COMMUNICATION SYSTEM  
 (62) 2021218061

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(71) West Pharma. Services IL, Ltd.  
 (21) 2023248131 (22) 12.10.2023  
 (54) LIQUID TRANSFER DEVICE WITH DUAL LUMEN IV SPIKE  
 (62) 2020265821

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(71) Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.  
 (21) 2023248146 (22) 12.10.2023  
 (54) SOLAR CELL, METHOD FOR PREPARING THE SAME, AND PHOTO-VOLTAIC MODULE  
 (31) 202310107821.4 (32) 02.02.23 (33) CN

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(71) Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.  
 (21) 2023248149 (22) 12.10.2023  
 (54) ENERGY STORAGE BATTERY CABINET  
 (31) 202222700085.7 (32) 13.10.22 (33) CN

Numerical Index

2023241362	Universität Bern	2023248060	Sungrow Power Supply Co., Ltd.
2023241363	Edwards Lifesciences Corporation	2023248061	Lam, T.T.
2023241364	Modular Mining Systems, Inc.	2023248062	Janus Electric Pty Ltd
2023241365	HKG Epitherapeutics Limited	2023248063	Stryker Corporation
2023241366	LG Electronics Inc.	2023248064	Exel Industries
2023241367	Canva Pty Ltd	2023248065	MARA RENEWABLES CORPORATION
2023241368	Deciphera Pharmaceuticals, LLC	2023248066	Universiteit Gent; Microbial Resource Management Health NV
2023241369	Deep Brain Innovations LLC	2023248067	Arvinas Operations, Inc.
2023241370	Apple Inc.	2023248068	Huawei Technologies Co., Ltd.
2023241371	Gen-Probe Incorporated	2023248069	Mayo Foundation for Medical Education and Research; IMDS LLC
2023241372	Gen-Probe Incorporated	2023248070	Boston Scientific Scimed Inc
2023241373	Revence Therapeutics, Inc.	2023248071	TransPod Inc.
2023241374	Edwards Lifesciences Corporation	2023248072	Hassarati, J.
2023241375	Techtronic Cordless GP	2023248073	IP Reserve Pty Ltd
2023241376	Calderon Agudo, O.	2023248074	Kolodziejczyk, B.
2023241377	Huang, V.	2023248075	Canon Kabushiki Kaisha
2023241378	Turbosmart Pty Limited	2023248076	Canon Kabushiki Kaisha
2023241379	EPTA S.p.A.	2023248077	Solmax International Inc.
2023241380	Neurovigil, Inc.	2023248078	Blackhawk Network, Inc.
2023241381	Johnson & Johnson Consumer Inc.	2023248079	Suzhou M-Conj Biotech Co., Ltd.; Hangzhou DAC Biotech Co., Ltd; Robert Yongxin ZHAO
2023241382	Universite de Montreal	2023248080	Hunter Douglas, Inc.
2023241384	LivePerson, Inc.	2023248081	Blackhawk Network, Inc.
2023241385	Gen-Probe Incorporated	2023248082	The Regents of the University of California
2023241386	HiFiBiO SAS	2023248083	Gambro Lundia AB
2023241387	Arm West, LLC	2023248084	The University of Bristol
2023241388	Aristocrat Technologies Australia Pty Limited	2023248085	The United States of America, as represented by the Secretary, Department of Health and Human Services
2023241389	HUANG, C.	2023248086	Kankakee Spikeball, Inc.
2023241390	Ojai Retinal Technology, LLC	2023248087	Miles, S.
2023241391	The Broad Institute, Inc.; Massachusetts Institute of Technology	2023248088	Shanghai Ocean University
2023241392	The Broad Institute, Inc.; Massachusetts Institute of Technology	2023248089	Heitkemper, M.; Koupaei, A.; Dasi, L.; Ohio State Innovation Foundation
2023241393	Commonwealth Scientific and Industrial Research Organisation	2023248090	Ali Murat Kalkan
2023241394	EQUUS AEROSPACE PTY. LTD.	2023248091	Aristocrat Technologies Australia Pty Limited
2023241395	Pear Therapeutics (US), Inc.	2023248092	Aristocrat Technologies Australia Pty Limited
2023241396	Pear Therapeutics (US), Inc.; Novartis AG	2023248093	Transportation IP Holdings, LLC
2023241397	BERKEM DEVELOPEMENT	2023248094	Horizon Quantum Computing PTE. LTD.
2023241398	Khoros, LLC; Shane Jackson DAVIS; Jessica Marie WOODS; Adam Levi PONCHER	2023248095	Sap Products Limited
2023241399	Nicoventures Trading Limited	2023248096	Barrett, P.
2023241400	The Broad Institute, Inc.; Massachusetts Institute of Technology	2023248097	Applied Medical Resources Corporation
2023241401	CFPH, LLC	2023248098	BASF Agricultural Solutions Seed US LLC
2023241402	Chantrell, M.	2023248114	AVID Property Group Pty Ltd
2023242090	Air Products and Chemicals, Inc.	2023248115	BRIEN HOLDEN VISION INSTITUTE
2023242247	Aristocrat Technologies Australia Pty Limited	2023248116	Able High International Ltd.
2023243054	Google LLC	2023248117	Vertex Pharmaceuticals Incorporated
2023243420	Air Products and Chemicals, Inc.	2023248118	ESS Tech, Inc.
2023244519	Spacesium	2023248119	VulcanForms Inc.
2023246384	Epizyme, Inc.; The Regents of the University of Colorado, a Body Corporate	2023248120	Sage Therapeutics, Inc.
2023247465	Klabin S/A	2023248121	Scarcell Therapeutics
2023247684	Radcell Australia	2023248123	Rs Arastirma Egitim Danismanlik Ilac Sanayi Ticaret Anonim Sirketi
2023248045	KRISH CAPITAL PTY LTD	2023248124	The NOCO Company
2023248046	KRISH CAPITAL PTY LTD	2023248125	NuVasive Specialized Orthopedics, Inc.
2023248047	Packsize LLC	2023248126	Blink AG
2023248048	Deciphera Pharmaceuticals, LLC	2023248127	Aclaris Therapeutics, Inc.
2023248049	Gallagher-Dann, M.	2023248128	Movax Oy
2023248050	Guardant Health, Inc.	2023248129	Plasma Giken Co., Ltd.
2023248051	Clawson, J.	2023248130	Nevro Corporation
2023248053	President and Fellows of Harvard College	2023248131	West Pharma. Services IL, Ltd.
2023248054	Aristocrat Technologies, Inc.	2023248132	Angel Group Co., Ltd.
2023248055	RAI Strategic Holdings, Inc.	2023248133	Caterpillar Underground Mining Pty Ltd
2023248056	Varga, Z.	2023248134	Apple Inc.
2023248057	WENZHOU EYEKEPPER TECHNOLOGY CO., LTD	2023248135	Apple Inc.
2023248058	Australian Conveyor Components Pty Limited	2023248136	Degan, G.
2023248059	FTS Kabushiki Kaisha	2023248137	Nokia Technologies Oy

## Complete Applications Filed - Numerical Index cont'd

2023248138 Alnylam Pharmaceuticals, Inc.  
2023248139 Relativity Space, Inc.  
2023248140 Lynam, B.  
2023248141 Bio Bond ApS  
2023248142 HONEYWELL INTERNATIONAL INC.  
2023248143 HONEYWELL INTERNATIONAL INC.  
2023248145 Bausch & Lomb Incorporated  
2023248146 Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.  
2023248147 Dexcom, Inc.  
2023248148 HBI Branded Apparel Enterprises, LLC  
2023248149 Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.  
2023248150 Maruho Medical, Inc.  
2023248151 S. C. Johnson & Son, Inc.  
2023248152 Westinghouse Air Brake Technologies Corporation  
2023248153 Greening Be Gone, LLC  
2023248154 Boston Scientific Scimed, Inc.  
2023248155 LG Electronics Inc.  
2023248156 Vergesense, Inc.  
2023248158 Universitat De Les Illes Balears  
2023248159 Becton, Dickinson and Company  
2023248160 Sonos, Inc.  
2023248161 The Board of Regents of the University of Texas System  
2023248162 TLS CORP.  
2023248163 China Bambino Prezioso Co., Ltd.  
2023248164 COMFITPRO (PTY) LTD  
2023248165 Karl Leibinger Medizintechnik GmbH & Co. KG  
2023248166 Huawei Technologies Co., Ltd.  
2023248167 President and Fellows of Harvard College  
2023248168 Mizuho Orthopedic Systems, Inc.  
2023248169 Murdoch Children's Research Institute  
2023248170 Sprint Bioscience AB  
2023248171 Komatsu Ltd.  
2023248172 PIONEER HI-BRED INTERNATIONAL, INC.  
2023248173 Cape Analytics, Inc.  
2023248174 Becton, Dickinson and Company  
2023248175 Mansell, J.  
2023248176 Saluda Medical Pty Limited  
2023248177 Seattle Children's Hospital d/b/a Seattle Children's Research Institute  
2023248178 Blackhawk Network, Inc.  
2023248179 The NOCO Company  
2023248180 Canon Kabushiki Kaisha  
2023248181 Nordic Bioscience A/S  
2023248182 Angel Group Co., Ltd.  
2023248183 ViaCyte, Inc.



**Innovation Patent Applications Filed****Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 10 Oct 2023 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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(71) Saidian, S.  
(21) 2023100088            (22) 11.10.2023  
(54) Seismic restraint of ceilings  
(62) 2021103213

**Numerical Index**

**2023100088** Saidian, S.

**Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired**

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

The codes next to each number have the following meanings:

**Code Meaning**

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)/Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)
  
- A Applications on which examination has not been requested or directed
- 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
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
- F Patents on which an examination has been requested or report issued
- G Patents Certified
  
- N Applications not Open to Public Inspection

**2003**

2003252783 ( 14 )	2003252846 ( 14 )	2003252854 ( 14 )
2003252855 ( 14 )	2003252865 ( 14 )	2003252875 ( 14 )
2003252885 ( 14 )	2003252888 ( 14 )	2003252947 ( 14 )
2003254701 ( 14 )	2003266832 ( 14 )	2003267851 ( 14 )
2003268763 ( 14 )	2003269465 ( 14 )	2003271095 ( 14 )
2003271103 ( 14 )	2003271687 ( 14 )	2003271896 ( 14 )
2003271904 ( 14 )	2003272095 ( 14 )	2003272924 ( 14 )
2003273978 ( 14 )	2003275441 ( 14 )	2003275467 ( 14 )
2003275488 ( 14 )	2003276070 ( 14 )	2003276089 ( 14 )
2003277333 ( 14 )	2003279152 ( 14 )	2003279228 ( 14 )
2003279810 ( 14 )	2003279834 ( 14 )	2003279835 ( 14 )
2003279854 ( 14 )	2003279865 ( 14 )	2003282565 ( 14 )
2003282688 ( 14 )	2003282721 ( 14 )	2003284049 ( 14 )
2003285864 ( 14 )	2003286134 ( 14 )	2003287028 ( 14 )
2003288373 ( 14 )	2003293607 ( 14 )	2003299768 ( 14 )
2003300326 ( 14 )	2003300479 ( 14 )	

**2004**

2004201340 ( 14 )	2004201349 ( 14 )	2004201420 ( 14 )
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2004203623 ( 14 )	2004224548 ( 14 )	2004225437 ( 14 )
2004227352 ( 14 )	2004227832 ( 14 )	2004228017 ( 14 )
2004228037 ( 14 )	2004228890 ( 14 )	2004264795 ( 14 )

**2005**

2005201340 ( 14 )	2005201360 ( 14 )	2005201386 ( 14 )
2005228413 ( 14 )	2005228778 ( 14 )	2005228897 ( 14 )
2005228903 ( 14 )	2005228904 ( 14 )	2005229543 ( 14 )
2005231362 ( 14 )	2005232010 ( 14 )	2005234980 ( 14 )
2005249056 ( 14 )	2005329863 ( 14 )	

**2006**

2006201244 ( 14 )	2006201315 ( 14 )	2006201321 ( 14 )
2006231967 ( 14 )	2006240379 ( 14 )	2006244276 ( 14 )
2006251803 ( 14 )	2006255782 ( 14 )	2006297887 ( 14 )

**2007**

2007201311 ( 14 )	2007201377 ( 14 )	2007201420 ( 14 )
2007201469 ( 14 )	2007201470 ( 14 )	2007202782 ( 14 )
2007229640 ( 14 )	2007231495 ( 14 )	2007231558 ( 14 )
2007232095 ( 14 )	2007232205 ( 14 )	2007232607 ( 14 )
2007232749 ( 14 )	2007233119 ( 14 )	2007233737 ( 14 )
2007233739 ( 14 )	2007234024 ( 14 )	2007234192 ( 14 )
2007235577 ( 14 )	2007235578 ( 14 )	2007236536 ( 14 )
2007236811 ( 14 )	2007241066 ( 14 )	2007245169 ( 14 )
2007248829 ( 14 )		

**2008**

2008201492 ( 14 )	2008232523 ( 14 )	2008233366 ( 14 )
2008233631 ( 14 )	2008236872 ( 14 )	2008237364 ( 14 )
2008239727 ( 14 )	2008243131 ( 14 )	2008354310 ( 14 )

**2009**

2009200962 ( 14 )	2009201214 ( 14 )	2009201227 ( 14 )
2009201228 ( 14 )	2009201322 ( 14 )	2009202185 ( 14 )
2009213073 ( 14 )	2009231448 ( 14 )	2009231511 ( 14 )
2009231636 ( 14 )	2009231733 ( 14 )	2009231819 ( 14 )
2009232478 ( 14 )	2009232774 ( 14 )	2009233322 ( 14 )
2009233566 ( 14 )	2009234028 ( 14 )	2009237254 ( 14 )
2009343635 ( 14 )		

**2010**

2010201317 ( 14 )	2010201327 ( 14 )	2010201329 ( 14 )
2010201836 ( 14 )	2010229644 ( 14 )	2010229693 ( 14 )
2010230187 ( 14 )	2010231162 ( 14 )	2010232688 ( 14 )
2010232694 ( 14 )	2010232980 ( 14 )	2010232995 ( 14 )
2010234102 ( 14 )	2010234733 ( 14 )	2010234800 ( 14 )
2010234820 ( 14 )	2010234906 ( 14 )	2010248175 ( 14 )

**2011**

2011200937 ( 14 )	2011201412 ( 14 )	2011201426 ( 14 )
2011235295 ( 14 )	2011235718 ( 14 )	2011241357 ( 14 )
2011247728 ( 14 )	2011279529 ( 14 )	2011363601 ( 14 )
2011363604 ( 14 )		

**2012**

2012201860 ( 14 )	2012201867 ( 14 )	2012233151 ( 14 )
2012233289 ( 14 )	2012234292 ( 14 )	2012238470 ( 14 )
2012245845 ( 14 )	2012246918 ( 14 )	2012258470 ( 14 )
2012270249 ( 14 )	2012352965 ( 14 )	2012374854 ( 14 )

**2013**

2013202044 ( 14 )	2013202162 ( 14 )	2013203408 ( 14 )
2013205102 ( 14 )	2013237896 ( 14 )	2013237900 ( 14 )
2013238679 ( 14 )	2013239114 ( 14 )	2013239290 ( 14 )
2013239775 ( 14 )	2013239816 ( 14 )	2013241269 ( 14 )
2013243602 ( 14 )	2013244860 ( 14 )	2013245359 ( 14 )
2013247862 ( 14 )	2013263743 ( 14 )	2013266875 ( 14 )
2013277778 ( 14 )		

**2014**

2014201875 ( 14 )	2014201908 ( 14 )	2014202855 ( 14 )
2014240352 ( 14 )	2014242915 ( 14 )	2014242916 ( 14 )



2021101683 ( 22E ) 2021101684 ( 22E ) 2021101685 ( 22E )  
 2021101688 ( 22E ) 2021101692 ( 22E ) 2021101693 ( 22E )  
 2021101694 ( 22E ) 2021101697 ( 22E ) 2021101698 ( 22E )  
 2021101699 ( 22E ) 2021101700 ( 22E ) 2021101701 ( 22E )  
 2021101702 ( 22E ) 2021101703 ( 22E ) 2021101705 ( 22E )  
 2021101706 ( 22E ) 2021101707 ( 22E ) 2021101708 ( 22E )  
 2021101709 ( 22E ) 2021101710 ( 22E ) 2021101711 ( 22E )  
 2021101712 ( 22E ) 2021101713 ( 22E ) 2021101715 ( 22E )  
 2021101716 ( 22E ) 2021101717 ( 22E ) 2021200059 ( 4C )  
 2021200890 ( 5C ) 2021202271 ( 4C ) 2021202503 ( 4C )  
 2021203415 ( 5C ) 2021203841 ( 5C ) 2021204195 ( 5C )  
 2021204248 ( 4C ) 2021204442 ( 5C ) 2021204444 ( 14 )  
 2021204805 ( 5C ) 2021206798 ( 5C ) 2021206801 ( 5C )  
 2021206830 ( 5C ) 2021206844 ( 5C ) 2021209179 ( 4C )  
 2021212028 ( 4C ) 2021215155 ( 5C ) 2021218046 ( 5C )  
 2021218121 ( 5C ) 2021218234 ( 5C ) 2021221809 ( 5C )  
 2021221887 ( 5C ) 2021225149 ( 5C ) 2021236564 ( 4C )  
 2021240132 ( 5C ) 2021240177 ( 5C ) 2021240186 ( 5C )  
 2021240195 ( 5C ) 2021240199 ( 5C ) 2021240212 ( 5C )  
 2021240225 ( 5C ) 2021240231 ( 5C ) 2021240235 ( 5C )  
 2021240259 ( 5C ) 2021240260 ( 5C ) 2021240261 ( 5C )  
 2021240272 ( 5C ) 2021240273 ( 5C ) 2021240276 ( 5C )  
 2021240277 ( 5C ) 2021245223 ( 5C ) 2021254589 ( 4C )  
 2021258037 ( 5C ) 2021261833 ( 5C ) 2021261917 ( 4C )  
 2021264006 ( 12A ) 2021266227 ( 4C ) 2021266345 ( 4C )

**2022**

2022200127 ( 4C ) 2022202122 ( 4C ) 2022204263 ( 4C )  
 2022209200 ( 4C ) 2022211841 ( 4C ) 2022224719 ( 5CN )  
 2022246427 ( 4C ) 2022902977 ( 12AN ) 2022902986 ( 12AN )  
 2022902989 ( 12AN ) 2022902994 ( 12AN ) 2022903054 ( 12AN )  
 2022903168 ( 12AN ) 2022903454 ( 12AN )

**2023**

2023201138 ( 4B ) 2023206202 ( 1B ) 2023208103 ( 1B )  
 2023208196 ( 7AN ) 2023226790 ( 12C ) 2023901439 ( 12AN )

**Assignments before Grant, Section 113**

**2018**

2018266733 Decipher Biosciences, Inc. The application has been assigned to **Veracyte, Inc.**

2018316705 Moray Group, LLC The application has been assigned to **Perma-Liner Industries, LLC**

**2019**

2019311332 Lightpoint Medical, Ltd The application has been assigned to **Lightpoint Surgical Ltd**

2019333836 M & J SCIENTIFIC, LLC The application has been assigned to **Tosoh Corporation**

**2020**

2020254063 Härting Glade, Thomas Francis; Markovits Rojas, Alejandro; Härting Eckman, Steven The application has been assigned to **Härting Eckman, Steven Lee; Markovits Rojas, Alejandro**

2020377303 Mitsubishi Heavy Industries Engineering, Ltd. The application has been assigned to **Mitsubishi Heavy Industries, Ltd.**

**2021**

2021211141 Molecule RnD Limited The application has been assigned to **GENESIS SYSTEMS LLC**

**Assignments before Grant, Section 113**

2021211142 Molecule RnD Limited The application has been assigned to **GENESIS SYSTEMS LLC**

2021231261 LG Energy Solution, LTD. The application has been assigned to **OMRON Corporation; LG Energy Solution, LTD.**

2021426706 RTX CORPORATION The application has been assigned to **Hamilton Sundstrand Corporation**

**2022**

2022224868 M & J SCIENTIFIC, LLC The application has been assigned to **Tosoh Corporation**

2022903023 NewSouth Innovations Pty Limited; Astuta Consulting Ltd The application has been assigned to **Edwards, Matthew; Slade, Alexander; Astuta Consulting Ltd**

2022903023 Slade, Alexander; Astuta Consulting Ltd; Edwards, Matthew The application has been assigned to **Avalon Solar Technologies Pty. Ltd.**

**2023**

2023902443 Paradigm Effect Pty Ltd The application has been assigned to **Marjanovic Family Trust**

2023902779 Paradigm Effect Pty Ltd The application has been assigned to **Marjanovic Family Trust**

2023902780 Paradigm Effect Pty Ltd The application has been assigned to **Marjanovic Family Trust**

**Extensions of Time, Section 223**

**Applications Received**

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

**2018**

2018219356 **Snap-On Incorporated** An application to extend the time from 12 Feb 2023 to 12 Feb 2024 in which to pay a continuation fee and gain acceptance has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2021**

2021101157 **InhaleRx Ltd** An application to extend the time from 04 Mar 2023 to 04 Oct 2023 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2021206909 **Afton Chemical Corporation** An application to extend the time from 08 Sep 2023 to 08 Apr 2024 in which to gain acceptance has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street Melbourne VIC 3000 AU

**Extensions of Time, Section 223****Applications Allowed - Section 223(2)****2017**

2017276369 **Activate Artificial Lift Inc.** The time in which to pay the acceptance fee has been extended to 01 Nov 2023 . Address for service - Ascot Martin Registered Patent & Trade Mark Attorneys PO Box 3191 Moorabbin East VIC 3189 AU

**2018**

2018260402 **Upl Ltd** The time in which to pay the acceptance fee has been extended to 25 Oct 2023 . Address for service - Churchill Attorneys PO BOX 3238 BURNLEY NORTH VIC 3121 AU

2018446825 **Instyle Contract Textiles Pty Ltd** The time in which to pay a continuation fee has been extended to 23 May 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2019**

2019101555 **Nutrition Care Pharmaceuticals Pty Ltd; Ausnutria Dairy (China) Co., Ltd** The time in which to pay a continuation fee has been extended to 11 Jul 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2019357962 **Leer Group** The time in which to request examination has been extended to 11 Oct 2023 . Address for service - McCABE & COMPANY PO Box 24140 WELLINGTON 6142 NZ

**2022**

2022100037 **C3D MUSZAKI TANÁCSADÓ KFT.** The time in which to pay a renewal fee has been extended to 23 May 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2022207599 **EMMEMME S.R.L.S.** The time in which to enter the National Phase has been extended to 18 Sep 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 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.

**2014**

2014266991 Security documents and methods of manufacture **De La Rue International Limited** The nature of the amendment is as shown in the statement(s) filed 18 Aug 2023 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2016**

2016290987 Hydantoin containing deoxyuridine triphosphatase inhibitors **CV6 Therapeutics (NI) Limited** The nature of the amendment

**Amendments**

is as shown in the statement(s) filed 04 Oct 2023 . Address for service - HENRY HUGHES IP LTD PO Box 356 Wellington 6140 NZ

**2017**

2017290614 Materials and methods for treatment of friedreich ataxia and other related disorders **Crispr Therapeutics AG** The nature of the amendment is as shown in the statement(s) filed 18 Jul 2023 . Address for service - Pearce IP Pty Ltd L5, 20 Bond St SYDNEY NSW 2000 AU

2017434473 Battery pack **Honda Motor Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 25 Sep 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2019**

2019211356 Purification of nucleic acids in a microfluidic chip by separation **PerkinElmer Health Sciences, Inc.** The nature of the amendment is: Delete inventor NILSSON, Michael . Address for service - Madderns Pty Ltd GPO Box 2752 Adelaide SA 5001 AU

2019245288 Heterocyclic compounds as immunomodulators **In-cyte Corporation** The nature of the amendment is as shown in the statement(s) filed 05 Oct 2023 . Address for service - Houlihan Intellectual Property Pty Ltd 832 High St Kew East VIC 3102 AU

2019474874 Motor for extracorporeal blood pump, extracorporeal blood pump and extracorporeal blood pump system **MagAssist, Inc.** The nature of the amendment is as shown in the statement(s) filed 05 Oct 2023 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

**2021**

2021215293 Foaming soap dispensers **Simplehuman, LLC** The nature of the amendment is as shown in the statement(s) filed 18 Sep 2023 . Address for service - Davies Collison Cave Pty Ltd Level 10 301 Coronation Drive MILTON QLD 4064 AU

**2022**

2022200211 LAUNDRY TREATING APPARATUS **LG ELECTRONICS INC.** The nature of the amendment is as shown in the statement(s) filed 11 Oct 2023 . Address for service - Dentons Patent Attorneys Australasia Limited 18 Viaduct Harbour Avenue Auckland CBD 1142 NZ

2022246370 PHOTOVOLTAIC CELL AND PHOTOVOLTAIC MODULE **ZHEJIANG JINKO SOLAR CO., LTD. ; JINKO SOLAR CO., LTD.** The nature of the amendment is as shown in the statement(s) filed 05 Oct 2023 . Address for service - AUSTRALASIA IP PTY LTD PO Box 7345 Brighton VIC 3186 AU

**Amendments Made****2016**

2016211049 **Marlow Foods Limited** The nature of the amendment is as shown in the statement(s) filed 14 Jun 2023

**2017**

2017260871 **Milwaukee Electric Tool Corporation; Keter Plastic Ltd.** The nature of the amendment is as shown in the statement(s)

**Amendments**

filed on 04 September 2023; 30 June 2023; 14 December 2022; 23 August 2022; 03 June 2022

2017294549 **sphingotec GmbH** The nature of the amendment is as shown in the statement(s) filed 05 Jul 2023

2017371544 **LIQUID NATION S.R.L.** The nature of the amendment is as shown in the statement(s) filed 20 Jul 2023

2017407989 **Face International Corporation** The nature of the amendment is as shown in the statement(s) filed 12 May 2023

**2018**

2018275544 **Otonexus Medical Technologies, Inc.** The nature of the amendment is as shown in the statement(s) filed 23 Jun 2023

2018314280 **University of Montreal; Unity Biotechnology, Inc.** The nature of the amendment is: Amend the name of the inventor to read HOPKINS, Jill; TSURUDA, Pam; CHAPMAN, Claude; SWEIGARD, Harry; POON, Yan; MARQUESS, Daniel; DAVID, Nathaniel; DANANBERG, Jamie; LABERGE, Remi-Martin; SAPIEHA, Przemyslaw and DEJDA, Agnieszka

**2019**

2019204505 **Rohm and Haas Company** The nature of the amendment is as shown in the statement(s) filed 18 Jul 2023

2019242899 **Zoltek Corporation** The nature of the amendment is as shown in the statement(s) filed 18 Jul 2023

2019400384 **Kubota Corporation** The nature of the amendment is as shown in the statement(s) filed 18 Jul 2023

**2020**

2020217312 **Regeneron Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 20 Jul 2023

2020376338 **CMR Surgical Limited** The nature of the amendment is: Amend the name of the inventor to read WEBSTER-SMITH, David William Haydn; HARES, Luke David Ronald and VEITCH, Graham John

2020380167 **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 20 Jul 2023

**2021**

2021102100 **Indian Ocean Engineering Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 01 Jun 2023

2021200183 **BBI Medical Innovations, LLC** The nature of the amendment is as shown in the statement(s) filed 17 Jul 2023

2021201628 **Indian Ocean Engineering Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 01 Jun 2023

2021202533 **Werner Co.** The nature of the amendment is as shown in the statement(s) filed 06 Jul 2023

**Amendments**

2021218106 **Schneider Electric (Australia) Pty Limited** The nature of the amendment is: Application is to proceed under the number 2021107684

2021236591 **GREEN GRID INC.** The nature of the amendment is as shown in the statement(s) filed 25 Sep 2023

2021261980 **SunMed Group Holdings, LLC** The nature of the amendment is as shown in the statement(s) filed 07 Jul 2023

**2022**

2022202367 **2MT Mining Products Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 08 Feb 2023 and 10 Oct 2023

2022211843 **Belkin Vision Ltd.** The nature of the amendment is: Amend the name of the inventor to read SACKS, Zachary; LEMANN-BLUMENTHAL, Daria; KISOS, Arie; YOHAI, Yuval; ELKAYAM, Daniel; DOBKIN-BEKMAN, Masha and ZIMMERMANN, Micha

2022246799 **VALENT BIOSCIENCES LLC** The nature of the amendment is: Amend the name of the inventor to read SILVERMAN, Franklin, Paul and WILSON Jr., Dale, O.

2022250149 **NIPPON STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read Duplex stainless steel welded joint

2022256034 **Crockett, R.J.** The nature of the amendment is: Amend the name of the inventor to read Crockett, Russell J.

2022257750 **NIPPON STEEL CORPORATION** The nature of the amendment is: Amend the invention title to read Railway wheel

2022260558 **DRK BLUTSPENDEDIENST BADEN-WÜRTTEMBERG-HESSEN GGMBH; ZENTRUM FÜR KLINISCHE TRANSFUSIONSMEDIZIN TÜBINGEN GGMBH (ZKT)** The nature of the amendment is: Amend the name of the inventor to read BAKCHOUL, Tamam; SEIFRIED, Erhard and MARINI, Irene

2022316026 **LG ENERGY SOLUTION, LTD.** The nature of the amendment is: Amend the invention title to read Battery management apparatus and method

**2023**

2023200107 **HONEYWELL INTERNATIONAL INC.** The nature of the amendment is: Amend the name of the inventor to read Radhakrishnan, Vyas; Bhargava, Ankur; Karkara, Rahul; Gross, Klaus; Gopalan, Murugan; Taranath, Manu; Srivastava, Abhinav; Chethan, R N; Mathur, Rupesh and Bhatia, Manish

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

**2003**

2003268612 **Metso Outotec Finland Oy** The name of the patentee has been altered to **Metso Metals Oy**

2003274054 **Metso Outotec Finland Oy** The name of the patentee has been altered to **Metso Metals Oy**

**Amendments**

2003290043 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2004**

2004206035 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2005**

2005204467 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2005231860 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2005238149 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2006**

2006212416 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2006332210 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2007**

2007281012 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2007336147 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2008**

2008221091 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2008228481 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2008261290 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2008261291 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2008266579 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2008274669 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2008278050 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2008281107 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**Amendments**

2008302798 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2008328289 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2008337430 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2009**

2009225023 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2009265578 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2009266109 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2009337948 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2010**

2010213140 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2010244789 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2010309729 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2010309730 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2010309731 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2010320947 TOO TECHNO TRADING LTD.; SAPR - NEFTEKHIM LLC.; Chemieanlagenbau Chemnitz GmbH The name of the patentee has been altered to **CAC ENGINEERING GMBH; SAPR - NEFTEKHIM LLC.; TOO TECHNO TRADING LTD.**

2010329750 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2010333402 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2010334698 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2011**

2011212702 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2011247199 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**



**Amendments**

2011257091 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2011260632 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2011273331 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2011328390 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2012**

2012276276 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2012292997 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2012299747 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2012304255 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2012306529 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2012323996 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2012367080 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2012388418 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2013**

2013204818 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2013234571 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2013270913 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2013380646 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2013393577 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2013407828 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**Amendments**

**2014**

2014335829 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2014351730 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2014364667 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2015**

2015212687 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2015329588 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2015370482 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2015370483 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2016**

2016102359 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2016259652 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2016269697 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2016333348 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2016370603 Trichord Ltd. The name of the patentee has been altered to **Perigon UK Limited**

2016390040 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2016423658 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2016430162 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**2017**

2017101842 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2017272681 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2017365247 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

**Amendments**

2017417160 Deciphera Pharmaceuticals, Inc. The name of the applicant has been altered to **Deciphera Pharmaceuticals, LLC**

**2018**

2018296843 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2018314280 Unity Biotechnology, Inc.; Buck Institute for Research on Aging The name of the applicant has been altered to **University of Montreal; Unity Biotechnology, Inc.**

2018356367 AGFA OFFSET BV The name of the patentee has been altered to **ECO3 BV**

**2019**

2019459423 Nantkwest, Inc. The name of the patentee has been altered to **ImmunityBio, Inc.**

**2020**

2020104107 The Water & Carbon Group The name of the patentee has been altered to **The Water & Carbon Group Pty. Ltd.**

2020433802 Metso Outotec Finland Oy The name of the applicant has been altered to **Metso Metals Oy**

2020434031 Metso Outotec Finland Oy The name of the applicant has been altered to **Metso Metals Oy**

**2022**

2022100082 Metso Outotec Finland Oy The name of the patentee has been altered to **Metso Metals Oy**

2022256034 CROCKETT, Russell The name of the applicant has been altered to **Crockett, R.J.**

2022903216 Earthpak Pty Ltd The name of the applicant has been altered to **Enzide Technologies Ltd**

**2023**

2023210592 Nantkwest, Inc. The name of the applicant has been altered to **ImmunityBio, Inc.**

Applications Open to Public Inspection

Name Index

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

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(71) Abiomed, Inc.  
 (11) AU-A-2023241317  
 (21) 2023241317 (22) 05.10.2023  
 (54) Determination of cardiac parameters for modulation of blood pump support  
 (51) Int. Cl.  
     **A61M 60/122** ( 2021.01 )  
     **A61M 60/289** ( 2021.01 )  
 (43) 26.10.2023  
 (62) 2018279862  
 (72) Moyer, Christian; Corbett, Scott C.; El Katerji, Ahmad; Weber, David  
 (74) Davies Collison Cave Pty Ltd

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Adam Levi PONCHER see Khoros, LLC  
 (21) 2023241398

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(71) Aesculap AG  
 (11) AU-A-2023201801  
 (21) 2023201801 (22) 22.03.2023  
 (54) Multipurpose measurement instrument for use in a knee-joint replacement operation  
 (51) Int. Cl.  
     **A61F 2/46** ( 2006.01 )  
     **A61B 5/107** ( 2006.01 )  
     **A61B 5/11** ( 2006.01 )  
     **A61B 90/00** ( 2016.01 )  
 (31) 102022203411.2 (32) 06.04.22 (33) DE  
 (43) 26.10.2023  
 (72) Firmbach, Franz-Peter; Anhorn, Svenja  
 (74) Davies Collison Cave Pty Ltd

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(71) Agriculture Victoria Services Pty Ltd  
 (11) AU-A-2023241333  
 (21) 2023241333 (22) 05.10.2023  
 (54) METABOLITE PRODUCTION IN EN-DOPHYTES (2)  
 (51) Int. Cl.  
     **C12N 9/02** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2017310264  
 (72) Spangenberg, German Carlos; Guthridge, Kathryn Michaela; Mann, Ross; Sawbridge, Timothy Ivor; Davidson, Sophie Elizabeth; Vassiliadis, Simone; Hettiarachchige, Inoka Kumari; Rochfort, Simone Jane; Ludlow, Emma Jane Isobel; Brohier, Natasha Denise  
 (74) Jones Tulloch

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(71) AI21 Labs  
 (11) AU-A-2023241291  
 (21) 2023241291 (22) 04.10.2023  
 (54) SYSTEMS AND METHODS OF CONTROLLABLE NATURAL LANGUAGE GENERATION  
 (51) Int. Cl.

**G06F 40/00** ( 2020.01 )  
 (43) 26.10.2023  
 (62) 2023222905  
 (72) PELEG, Barak; PADNOS, Dan; MOR-AG, Amnon; LUMBROSO, Gilad; SHOHAM, Yoav; GOSHEN, Ori; LENZ, Barak; DAGAN, Or  
 (74) RnB IP Pty Ltd

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(71) Allergan Industrie, SAS  
 (11) AU-A-2023241303  
 (21) 2023241303 (22) 04.10.2023  
 (54) Compositions and methods for improving skin appearance  
 (51) Int. Cl.  
     **A61K 8/34** ( 2006.01 )  
     **A61K 8/60** ( 2006.01 )  
     **A61K 8/67** ( 2006.01 )  
     **A61K 8/73** ( 2006.01 )  
     **A61Q 19/08** ( 2006.01 )  
     **C08B 37/08** ( 2006.01 )  
     **C08J 3/075** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021202089  
 (72) Lebreton, Pierre; Guetta, Olivier  
 (74) Davies Collison Cave Pty Ltd

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(71) Amgen Inc.; Amgen Research (Munich) GmbH  
 (11) AU-A-2023237216  
 (21) 2023237216 (22) 02.10.2023  
 (54) BCMA And CD3 Bispecific T Cell Engaging Antibody Constructs  
 (51) Int. Cl.  
     **C07K 16/28** ( 2006.01 )  
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 (72) Raum, Tobias; Muenz, Markus; Brozy, Johannes; Kufer, Peter; Hoffmann, Patrick; Friedrich, Matthias; Rattel, Benno; Bogner, Pamela; Wolf, Andreas; Pompe, Cornelius  
 (74) WRAYS PTY LTD

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(71) Amgen Inc.  
 (11) AU-A-2023241309  
 (21) 2023241309 (22) 05.10.2023  
 (54) Injector and method of assembly  
 (51) Int. Cl.  
     **A61M 5/24** ( 2006.01 )  
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 (62) 2022200344  
 (72) TAN-MALECKI, Francisca; FORSTER, Ron; NUNN, Scott; HOLT, Mark D.; TRAN, Son; MOBERG, Sheldon  
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 (21) 2023237216

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(71) Anduril Industries, Inc.  
 (11) AU-A-2023237207  
 (21) 2023237207 (22) 02.10.2023  
 (54) Counter drone system  
 (51) Int. Cl.  
     **F41H 11/02** ( 2006.01 )  
     **G01S 13/78** ( 2006.01 )  
     **G01S 17/04** ( 2020.01 )  
     **G01S 17/86** ( 2020.01 )  
     **G05D 1/12** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2020277971  
 (72) LEVIN, Jason; LUCKEY, Palmer F.; HAMMERSTEIN, Julian; CHEN, Joseph  
 (74) Davies Collison Cave Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023237204  
 (21) 2023237204 (22) 02.10.2023  
 (54) Game token management system  
 (51) Int. Cl.  
     **G07F 17/32** ( 2006.01 )  
     **G06K 19/00** ( 2006.01 )  
     **H04B 5/00** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2020203247  
 (72) Shigeta, Yasushi  
 (74) Davies Collison Cave Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023241276  
 (21) 2023241276 (22) 03.10.2023  
 (54) TABLE GAME MANAGEMENT SYSTEM, SUBSTITUTE CURRENCY FOR GAMING, AND INSPECTION DEVICE  
 (51) Int. Cl.  
     **A63F 1/06** ( 2006.01 )  
     **A44C 21/00** ( 2006.01 )  
     **A63F 3/00** ( 2006.01 )  
     **G07F 17/32** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2022200505  
 (72) Shigeta, Yasushi  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023241358  
 (21) 2023241358 (22) 06.10.2023  
 (54) FRAUD DETECTION SYSTEM IN CASINO  
 (51) Int. Cl.  
     **G07C 11/00** ( 2006.01 )  
     **A47B 25/00** ( 2006.01 )  
     **G06T 7/00** ( 2017.01 )

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 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2023241370  
 (21) 2023241370 (22) 06.10.2023  
 (54) Health event logging and coaching user interfaces  
 (51) Int. Cl.  
*G16H 10/60* ( 2018.01 )  
*G16H 15/00* ( 2018.01 )  
*G16H 40/60* ( 2018.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2023201877  
 (21) 2023201877 (22) 28.03.2023  
 (54) Maintaining Approximately Uniform Return to Player for Multiple Volatility Options Responsive to a Number of Trigger Symbols  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
 (31) 17/718,492 (32) 12.04.22 (33) US  
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 (72) Mirjavadi, Daniel; Englman, Allon  
 (74) James & Wells Intellectual Property

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2023241388  
 (21) 2023241388 (22) 06.10.2023  
 (54) A GAMING SYSTEM AND A METHOD OF GAMING  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
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 (62) 2021221896  
 (72) SALMON, Christian James; BOND, Rowan Arthur Newman  
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(71) Aristocrat Technologies Australia Pty Limited  
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 (21) 2023242247 (22) 09.10.2023  
 (54) ENHANCED ELECTRONIC GAMING MACHINES PROVIDING SELECTIVELY VOLATILE WAGER OUTCOMES  
 (51) Int. Cl.  
*A63F 3/06* ( 2006.01 )  
*A63F 13/00* ( 2014.01 )  
*G07F 17/32* ( 2006.01 )

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 (21) 2023241387 (22) 06.10.2023  
 (54) Firearm systems and methods  
 (51) Int. Cl.  
*F41A 15/14* ( 2006.01 )  
*F41A 3/26* ( 2006.01 )  
*F41A 3/30* ( 2006.01 )  
*F41A 3/62* ( 2006.01 )  
*F41A 3/70* ( 2006.01 )  
*F41A 5/24* ( 2006.01 )  
 (43) 26.10.2023  
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 (21) 2023237125

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(71) Australian Conveyor Components Pty Limited  
 (11) AU-A-2023248058  
 (21) 2023248058 (22) 10.10.2023  
 (54) Conveyor belt cleaning apparatus  
 (51) Int. Cl.  
*B65G 45/16* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021205136  
 (72) ROBINSON, Lawrence Harvey  
 (74) Spruson & Ferguson

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(71) Axiflux Holdings Pty Ltd  
 (11) AU-A-2023241348  
 (21) 2023241348 (22) 05.10.2023  
 (54) Electric motor/generator with integrated differential  
 (51) Int. Cl.  
*H02P 5/46* ( 2006.01 )  
*B60K 6/405* ( 2007.10 )  
*B60K 6/52* ( 2007.10 )

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 (72) JAHSHAN, David Elias  
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(71) Bayer HealthCare LLC  
 (11) AU-A-2023241295  
 (21) 2023241295 (22) 04.10.2023  
 (54) System and method for syringe plunger engagement with an injector  
 (51) Int. Cl.  
*A61M 5/315* ( 2006.01 )

(43) 26.10.2023  
 (62) 2021257891  
 (72) Swantner, Michael J.; Seman, Richard A.; Tucker, Barry L.; Uber III, Arthur E.; Cowan, Kevin P.; Dedig, James A.; Capone, Christopher D.  
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 (11) AU-A-2023237214  
 (21) 2023237214 (22) 02.10.2023  
 (54) SYSTEMS AND METHODS FOR ESTABLISHING FIRST ON THE FOLLOW TRADING PRIORITY IN ELECTRONIC TRADING SYSTEMS  
 (51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )  
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 (62) 2021209271  
 (72) Lutnick, Howard W.; Novello, Joseph; Sweeting, Michael  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Beam Alpha, Inc.  
 (11) AU-A-2023241328  
 (21) 2023241328 (22) 05.10.2023  
 (54) Direct nuclear power conversion  
 (51) Int. Cl.  
*G21B 1/00* ( 2006.01 )  
*G21B 1/11* ( 2006.01 )  
*G21B 1/17* ( 2006.01 )

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 (72) JACKSON, Gerald Peter  
 (74) Davies Collison Cave Pty Ltd

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(71) Beijing Baidu Netcom Science Technology Co., Ltd.  
 (11) AU-A-2022263905  
 (21) 2022263905 (22) 07.11.2022  
 (54) Quantum chip structure, determining method and apparatus, device and storage medium  
 (51) Int. Cl.  
*G06N 10/00* ( 2022.01 )  
 (31) 202210398029.4 (32) 12.04.22 (33) CN  
 (43) 26.10.2023  
 (72) JIN, Lijing; CHEN, Yuao  
 (74) Davies Collison Cave Pty Ltd

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(71) Beijing FlowCloud Data Technology Co., Ltd.  
 (11) AU-A-2022203990  
 (21) 2022203990 (22) 08.06.2022  
 (54) ACTIVE FOG ION GENERATION DEVICE  
 (51) Int. Cl.

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*H05K 7/20* ( 2006.01 )  
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 (72) Xiao, Zhiguo; Zhu, Liang  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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 (11) AU-A-2023202200  
 (21) 2023202200 (22) 11.04.2023  
 (54) Simulation method, computing device and storage medium  
 (51) Int. Cl.  
**G06F 30/15** ( 2020.01 )  
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 202310354988.0 04.04.23 CN  
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 (72) FU, Chengbing; FENG, Xingyue  
 (74) FB Rice Pty Ltd

(71) Bench 101 Pty Ltd  
 (11) AU-A-2023202027  
 (21) 2023202027 (22) 03.04.2023  
 (54) Folding Bench  
 (51) Int. Cl.  
**A47B 5/04** ( 2006.01 )  
**A47B 13/02** ( 2006.01 )  
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 (72) Whyte, Craig John; Whyte, Julianne Melinda  
 (74) Michael Buck IP

(71) Berger Holding GmbH & Co. KG  
 (11) AU-A-2023201806  
 (21) 2023201806 (22) 22.03.2023  
 (54) Valve For Flow Regulation In A Heating And/Or Cooling System  
 (51) Int. Cl.  
**F24F 11/84** ( 2018.01 )  
**F16K 31/44** ( 2006.01 )  
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 (43) 26.10.2023  
 (72) KOERNER, Martin; MOSER, Thomas  
 (74) WRAYS PTY LTD

(71) BioNTech US Inc.  
 (11) AU-A-2023241320  
 (21) 2023241320 (22) 05.10.2023  
 (54) Neoantigens and methods of their use  
 (51) Int. Cl.  
**C07K 4/12** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
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 (62) 2021269272  
 (72) ROONEY, Michael Steven  
 (74) Spruson & Ferguson

(71) BIOPROTON PTY LTD  
 (11) AU-A-2022423924  
 (21) 2022423924 (22) 23.03.2022  
 (54) YEAST WITH ENHANCED ASTAXANTHIN  
 (51) Int. Cl.  
**C12N 1/16** ( 2006.01 )  
**A23K 20/105** ( 2016.01 )  
**A23K 20/179** ( 2016.01 )  
**A23L 29/00** ( 2016.01 )  
**C07K 14/39** ( 2006.01 )

**C12N 15/01** ( 2006.01 )  
**C12P 23/00** ( 2006.01 )  
**C12R 1/645** ( 2006.01 )  
 (87) WO2023/178374  
 (43) 26.10.2023  
 (72) LUNA-FLORES, Carlos  
 (74) IP Flourish

(71) Boston Scientific Scimed, Inc.  
 (11) AU-A-2023241346  
 (21) 2023241346 (22) 05.10.2023  
 (54) System, device and method for turbidity analysis  
 (51) Int. Cl.  
**A61B 1/307** ( 2006.01 )  
**A61B 1/00** ( 2006.01 )  
**A61B 1/12** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
**G06T 7/90** ( 2017.01 )  
 (43) 26.10.2023  
 (62) 2020354896  
 (72) RAUNIYAR, Niraj Prasad; RIKER, Robert J.; HARRAH, Timothy Paul  
 (74) Spruson & Ferguson

(71) CaaMTech, Inc.  
 (11) AU-A-2023241302  
 (21) 2023241302 (22) 04.10.2023  
 (54) Crystalline 4-hydroxy-N,N-di-n-propyl-tryptammonium (4-HO-DPT) salts  
 (51) Int. Cl.  
**C07D 487/04** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021273802  
 (72) CHADEAYNE, Andrew R.  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

(71) CaaMTech, Inc.  
 (11) AU-A-2023241310  
 (21) 2023241310 (22) 05.10.2023  
 (54) Crystalline 5-methoxy-N,N-diallyltryptamine compounds  
 (51) Int. Cl.  
**A61K 31/485** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 9/28** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021252535  
 (72) CHADEAYNE, Andrew R.  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

(71) CaaMTech, Inc.  
 (11) AU-A-2023241334  
 (21) 2023241334 (22) 05.10.2023  
 (54) Crystalline dimethyl tryptamine analogues  
 (51) Int. Cl.  
**C12N 9/02** ( 2006.01 )  
**C12N 9/12** ( 2006.01 )  
**C12N 9/88** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021267859  
 (72) CHADEAYNE, Andrew R.  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

(71) Cabinplant International A/S  
 (11) AU-A-2023241274  
 (21) 2023241274 (22) 03.10.2023  
 (54) A METHOD FOR TRIM BLENDING  
 (51) Int. Cl.  
**A22C 17/00** ( 2006.01 )  
**B07C 5/18** ( 2006.01 )

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 (62) 2020313507  
 (72) INGEMANN HANSEN, Henning  
 (74) Golja Haines & Friend

(71) Calderon Agudo, O.  
 (11) AU-A-2023241376  
 (21) 2023241376 (22) 06.10.2023  
 (54) METHOD OF, AND APPARATUS FOR, NON-INVASIVE MEDICAL IMAGING USING WAVEFORM INVERSION  
 (51) Int. Cl.  
**G16H 50/50** ( 2018.01 )  
**A61B 8/15** ( 2006.01 )

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 (62) 2017375899  
 (72) Calderon Agudo, Oscar  
 (74) Murray Trento & Associates Pty Ltd

(71) Camps Worldwide Pty Limited  
 (11) AU-A-2022224807  
 (21) 2022224807 (22) 01.09.2022  
 (54) Vehicle window covering device  
 (51) Int. Cl.  
**B60J 1/00** ( 2006.01 )  
**E06B 7/09** ( 2006.01 )  
 (31) 2022900915 (32) 07.04.22 (33) AU  
 (43) 26.10.2023  
 (72) Trudgett, Christopher Allan  
 (74) FPA Patent Attorneys Pty Ltd

(71) Cardoso II, J.  
 (11) AU-A-2022203219  
 (21) 2022203219 (22) 13.05.2022  
 (54) Detachably attachable bucket implement coupler  
 (51) Int. Cl.  
**A47L 13/02** ( 2006.01 )  
**B08B 1/00** ( 2006.01 )  
**B44D 3/12** ( 2006.01 )  
**B65D 25/00** ( 2006.01 )  
**B65D 43/02** ( 2006.01 )  
**B65D 43/06** ( 2006.01 )  
 (31) 177719.337 (32) 12.04.22 (33) US  
 (43) 26.10.2023  
 (72) CARDOSA II, John  
 (74) FB Rice Pty Ltd

(71) CareFusion 2200, Inc.  
 (11) AU-A-2023241285  
 (21) 2023241285 (22) 04.10.2023  
 (54) Multi-lumen indwelling catheter  
 (51) Int. Cl.  
**A61M 25/00** ( 2006.01 )  
**A61M 1/28** ( 2006.01 )

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 (62) 2021203167  
 (72) DOSHI, Palak; MASSI, Shayna;  
 KRUEGER, John A.  
 (74) Griffith Hack

(71) Cargill, Incorporated; Ynsect  
 (11) AU-A-2023241292  
 (21) 2023241292 (22) 04.10.2023  
 (54) METHOD FOR SUPPLYING WATER IN  
 THE REARING OF LIVESTOCK AND  
 DEVICE FOR PRODUCING BLOCKS  
 OF AN AQUEOUS GEL  
 (51) Int. Cl.  
**A23N 17/00** ( 2006.01 )  
**A23K 10/38** ( 2016.01 )  
**A23K 40/00** ( 2016.01 )  
**A23K 40/20** ( 2016.01 )  
**A23K 50/90** ( 2016.01 )  
**A23L 29/20** ( 2016.01 )  
**A23P 30/00** ( 2016.01 )  
**B01J 13/00** ( 2006.01 )

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 (62) 2017385721  
 (72) COMPARAT, Solene; CLESSE, Loïc;  
 DU JONCHAY, Thibault; LEFEBVRE,  
 Thomas; BERRO, Fabrice; BEREZINA,  
 Nathalie; SEGUIMBRAUD, Clementine  
 (74) Griffith Hack

(71) CATERPILLAR PAVING PRODUCTS  
 INC.  
 (11) AU-A-2023201834  
 (21) 2023201834 (22) 24.03.2023  
 (54) ACTIVE PATH MONITORING CON-  
 TROL SYSTEM AND METHOD FOR  
 COMPACTOR  
 (51) Int. Cl.  
**E01C 19/00** ( 2006.01 )  
**E01C 19/23** ( 2006.01 )  
**E02F 3/84** ( 2006.01 )  
**E02F 9/20** ( 2006.01 )  
**G01S 5/04** ( 2006.01 )  
 (31) 17/716,458 (32) 08.04.22 (33) US  
 (43) 26.10.2023  
 (72) KEYES, Joshua D.; GERDING, David  
 E.; MARSOLEK, John L.; DOY, Nath-  
 aniel S.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Caterpillar Underground Mining Pty Ltd  
 (11) AU-A-2022202397  
 (21) 2022202397 (22) 11.04.2022  
 (54) System and method for calibrating pro-  
 cess to compute weight of material in  
 dump bodies  
 (51) Int. Cl.  
**G05B 13/04** ( 2006.01 )  
**G01G 19/08** ( 2006.01 )  
**G01G 19/414** ( 2006.01 )  
**G05B 19/401** ( 2006.01 )  
**G05B 19/43** ( 2006.01 )  
**G05D 3/12** ( 2006.01 )  
**G05D 7/06** ( 2006.01 )  
**B60P 1/16** ( 2006.01 )  
**G05B 19/042** ( 2006.01 )  
**G05B 19/06** ( 2006.01 )  
**G06F 17/18** ( 2006.01 )

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 (72) Dowling, Alexander Eli; Johnson,  
 Steven Edward  
 (74) FPA Patent Attorneys Pty Ltd

(71) CBD Corporation Pty Ltd  
 (11) AU-A-2023239625  
 (21) 2023239625 (22) 03.10.2023  
 (54) CHEMICAL DISPENSING SYSTEM  
 (51) Int. Cl.  
**B67D 7/36** ( 2010.01 )  
**C02F 1/76** ( 2023.01 )  
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 (72) DARR, Bradley  
 (74) Spruson & Ferguson

(71) Cedars-Sinai Medical Center  
 (11) AU-A-2023237193  
 (21) 2023237193 (22) 29.09.2023  
 (54) A novel and efficient method for repro-  
 gramming blood to induced pluripotent  
 stem cells  
 (51) Int. Cl.  
**C12N 5/074** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
 (43) 26.10.2023  
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 (72) Sareen, Dhruv; Ornelas, Loren A.;  
 Svendsen, Clive  
 (74) FPA Patent Attorneys Pty Ltd

**Centre National de la Recherche Scienti-  
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 (21) 2023237125

(71) CFPH, LLC  
 (11) AU-A-2023241401  
 (21) 2023241401 (22) 09.10.2023  
 (54) AMUSEMENT DEVICES AND GAMES  
 INVOLVING PROGRESSIVE JACK-  
 POTS  
 (51) Int. Cl.  
**A63F 13/00** ( 2014.01 )  
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 (62) 2021229231  
 (72) Tara, Sunny  
 (74) Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) Chon, U.  
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 (21) 2022268394 (22) 11.11.2022  
 (54) Method Of Extracting Lithium, Method  
 Of Preparing Lithium Carbonate, And  
 Method Of Preparing Lithium Hydroxide  
 (51) Int. Cl.  
**C22B 26/12** ( 2006.01 )  
**C01B 25/30** ( 2006.01 )  
**C22B 3/38** ( 2006.01 )  
 (31) 10-2022-0043946 (32) 08.04.22 (33) KR  
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(71) Clara Diamond Solutions Limited Part-  
 nership  
 (11) AU-A-2023241323  
 (21) 2023241323 (22) 05.10.2023  
 (54) Systems and methods for distributing  
 rough diamonds  
 (51) Int. Cl.  
**G06Q 30/06** ( 2023.01 )  
**G06Q 40/04** ( 2012.01 )  
 (43) 26.10.2023  
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 (72) ARIEL, Aaron; DIX, Dylan  
 (74) Spruson & Ferguson

(71) Clawson, J.  
 (11) AU-A-2023248051  
 (21) 2023248051 (22) 09.10.2023  
 (54) Picture/video messaging system for  
 emergency response  
 (51) Int. Cl.  
**H04M 3/50** ( 2006.01 )  
**H04M 3/51** ( 2006.01 )  
**H04M 11/00** ( 2006.01 )  
**H04M 11/04** ( 2006.01 )  
**H04W 4/90** ( 2018.01 )  
 (43) 26.10.2023  
 (62) 2021217991  
 (72) Clawson, Jeffrey J.  
 (74) Griffith Hack

(71) Commonwealth Scientific and Industrial  
 Research Organisation  
 (11) AU-A-2023241393  
 (21) 2023241393 (22) 07.10.2023  
 (54) Microporous aerogel  
 (51) Int. Cl.  
**C01B 33/148** ( 2006.01 )  
**B01D 53/02** ( 2006.01 )  
**B01D 53/18** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**B01J 20/10** ( 2006.01 )  
**B01J 20/26** ( 2006.01 )  
**B01J 20/28** ( 2006.01 )  
**B01J 20/281** ( 2006.01 )  
**B01J 20/285** ( 2006.01 )  
**B01J 20/291** ( 2006.01 )  
**B01J 20/30** ( 2006.01 )  
**B01J 20/34** ( 2006.01 )  
**C01B 33/158** ( 2006.01 )  
**C08G 77/26** ( 2006.01 )  
**C08J 9/28** ( 2006.01 )

(43) 26.10.2023  
 (62) 2021326002  
 (72) KONSTAS, Kristina; MAURDEV,  
 George; WANG, Xingdong  
 (74) FB Rice Pty Ltd

(71) Crossford International LLC  
 (11) AU-A-2023202165  
 (21) 2023202165 (22) 08.04.2023  
 (54) MODULAR HEAD CLEANING DEVICE  
 AND SYSTEM  
 (51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**B65G 45/10** ( 2006.01 )  
**B65G 45/18** ( 2006.01 )  
**B65G 45/22** ( 2006.01 )  
**(31)** 17/658,835 **(32)** 12.04.22 **(33)** US  
**(43)** 26.10.2023  
**(72)** Kane, Timothy; Wyatt, Gregory; Reyes, Evan; Franzino, Joseph; Barnes, Russell; Folchi, Robert  
**(74)** Chamberlains Law Firm Pty Limited

**(71)** Crossford International LLC  
**(11)** AU-A-2023202166  
**(21)** 2023202166 **(22)** 08.04.2023  
**(54)** CONVEYOR BELT CLEANING DEVICE ADAPTED WITH MODULAR CLEANING HEADS

**(51)** Int. Cl.  
**B65G 45/10** ( 2006.01 )  
**B65G 45/18** ( 2006.01 )  
**B65G 45/22** ( 2006.01 )  
**B65G 45/24** ( 2006.01 )  
**(31)** 17/658,835 **(32)** 12.04.22 **(33)** US  
 17/805,722 07.06.22 US  
 17/805,723 07.06.22 US  
 17/805,727 07.06.22 US  
**(43)** 26.10.2023  
**(72)** Kane, Timothy; Barnes, Russell; Folchi, Robert; Reyes, Evan; Wyatt, Gregory; Franzino, Joseph  
**(74)** Chamberlains Law Firm Pty Limited

**(71)** Crossford International LLC  
**(11)** AU-A-2023202167  
**(21)** 2023202167 **(22)** 08.04.2023  
**(54)** CONVEYOR BELT CLEANING DEVICE CONTROLLABLE BY A CONTROL PANEL

**(51)** Int. Cl.  
**B65G 45/10** ( 2006.01 )  
**G06F 11/30** ( 2006.01 )  
**(31)** 17/658,835 **(32)** 12.04.22 **(33)** US  
 17/805,722 07.06.22 US  
 17/805,723 07.06.22 US  
 17/805,727 07.06.22 US  
**(43)** 26.10.2023  
**(72)** Kane, Timothy; Wyatt, Gregory; Reyes, Evan; Franzino, Joseph; Barnes, Russell; Folchi, Robert  
**(74)** Chamberlains Law Firm Pty Limited

**(71)** Crossford International LLC  
**(11)** AU-A-2023202168  
**(21)** 2023202168 **(22)** 08.04.2023  
**(54)** CONVEYOR BELT CLEANING DEVICE HAVING MODULARITY AND REAL-TIME CLEANING ADJUSTMENTS BASED ON SENSORY INPUT

**(51)** Int. Cl.  
**B65G 45/10** ( 2006.01 )  
**(31)** 17/658,835 **(32)** 12.04.22 **(33)** US  
 17/805,722 07.06.22 US  
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 17/805,727 07.06.22 US  
**(43)** 26.10.2023  
**(72)** Kane, Timothy; Wyatt, Gregory; Reyes, Evan; Franzino, Joseph; Barnes, Russell; Folchi, Robert  
**(74)** Chamberlains Law Firm Pty Limited

**(71)** Cummins Inc. (EBU)  
**(11)** AU-A-2023202094  
**(21)** 2023202094 **(22)** 05.04.2023  
**(54)** HEAT EXCHANGER ASSEMBLY WITH VORTEX FLOW BAFFLE  
**(51)** Int. Cl.  
**F02C 7/10** ( 2006.01 )  
**F28F 13/06** ( 2006.01 )  
**(31)** 2204982.9 **(32)** 05.04.22 **(33)** GB  
 2304598.2 29.03.23 GB  
**(43)** 26.10.2023  
**(72)** WELCH, Nicholas James  
**(74)** FB Rice Pty Ltd

**(71)** Daifuku Co., Ltd.  
**(11)** AU-A-2023201798  
**(21)** 2023201798 **(22)** 22.03.2023  
**(54)** Inter-container transfer apparatus and inter-container transfer method  
**(51)** Int. Cl.  
**B65G 60/00** ( 2006.01 )  
**B65G 59/02** ( 2006.01 )  
**B65G 59/06** ( 2006.01 )  
**(31)** 2022-063608 **(32)** 06.04.22 **(33)** JP  
**(43)** 26.10.2023  
**(72)** Ukisu, Kenichi; Minoo, Atsushi; Sugimoto, Takeshi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Deciphera Pharmaceuticals, LLC  
**(11)** AU-A-2023241368  
**(21)** 2023241368 **(22)** 06.10.2023  
**(54)** Compositions of 1-(4-bromo-5-(1-ethyl-7-(methylamino)-2-oxo-1,2-dihydro-1,6-naphthyridin-3-yl)-2-fluorophenyl)-3-phenylurea  
**(51)** Int. Cl.  
**A61K 9/16** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07C 15/00** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2020417282  
**(72)** KAUFMAN, Michael D.; BONE, Scott; BLOOM, Corey; JORDAN, Fred  
**(74)** Spruson & Ferguson

**(71)** Deciphera Pharmaceuticals, LLC  
**(11)** AU-A-2023248048  
**(21)** 2023248048 **(22)** 09.10.2023  
**(54)** Amorphous kinase inhibitor formulations and methods of use thereof  
**(51)** Int. Cl.  
**A61K 9/16** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07C 15/00** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2020419197  
**(72)** KAUFMAN, Michael D.; BONE, Scott; BLOOM, Corey; JORDAN, Fred  
**(74)** Spruson & Ferguson

**(71)** Deep Brain Innovations LLC  
**(11)** AU-A-2023241369  
**(21)** 2023241369 **(22)** 06.10.2023  
**(54)** PROGRAMMING SYSTEMS FOR DEEP BRAIN STIMULATOR SYSTEM  
**(51)** Int. Cl.  
**A61N 1/08** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2021202229  
**(72)** STROTHER, Robert; SAKAI, Jonathan; THROPE, Geoffrey  
**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd

**(71)** Deere & Company  
**(11)** AU-A-2023201319  
**(21)** 2023201319 **(22)** 03.03.2023  
**(54)** Elevator spreader conveyor system  
**(51)** Int. Cl.  
**A01D 45/10** ( 2006.01 )  
**(31)** 17/714,319 **(32)** 06.04.22 **(33)** US  
**(43)** 26.10.2023  
**(72)** Burch, Guy E.; Morvant, Kerry J.; Louviere, Mark S.; Mixon, Dusk S.; B, Sandeep; Fattepur, Surraj  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Deere & Company  
**(11)** AU-A-2023201320  
**(21)** 2023201320 **(22)** 03.03.2023  
**(54)** Systems and methods for predictive power requirements and control  
**(51)** Int. Cl.  
**A01D 69/02** ( 2006.01 )  
**B60L 50/15** ( 2019.01 )  
**(31)** 17/716,302 **(32)** 08.04.22 **(33)** US  
**(43)** 26.10.2023  
**(72)** Clark, Scott N.; Vandike, Nathan R.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Deere & Company  
**(11)** AU-A-2023201321  
**(21)** 2023201321 **(22)** 03.03.2023  
**(54)** Systems and methods for predictive power requirements and control  
**(51)** Int. Cl.  
**A01D 69/02** ( 2006.01 )  
**B60L 50/15** ( 2019.01 )  
**(31)** 17/716,282 **(32)** 08.04.22 **(33)** US  
**(43)** 26.10.2023  
**(72)** Clark, Scott N.; Vandike, Nathan R.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Deere & Company  
**(11)** AU-A-2023201812  
**(21)** 2023201812 **(22)** 23.03.2023  
**(54)** Controlling an agricultural vehicle based on soil damage score/fill level  
**(51)** Int. Cl.  
**A01D 41/127** ( 2006.01 )  
**A01B 69/04** ( 2006.01 )  
**B60C 23/00** ( 2006.01 )  
**(31)** 17/715,407 **(32)** 07.04.22 **(33)** US

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 (72) Potter, Benjamin C.; Keen, Eric A.; Klein, Mark D.; Johnson, Lee A.  
 (74) Davies Collison Cave Pty Ltd
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- (71) DNA Genotek Inc.  
 (11) AU-A-2023237224  
 (21) 2023237224 (22) 03.10.2023  
 (54) A Composition, System and Method for Removal of Detergents from Aqueous Solutions  
 (51) Int. Cl.  
*C12N 15/10* ( 2006.01 )  
*B01D 17/00* ( 2006.01 )  
*C12Q 1/68* ( 2018.01 )  
*G01N 1/34* ( 2006.01 )  
*C02F 1/26* ( 2023.01 )  
*C02F 1/58* ( 2023.01 )  
 (43) 26.10.2023  
 (62) 2017274602  
 (72) Birnboim, Hyman Chaim; Nepal, Rajeev Mani; Ray, Bitapi; Gage, Jessica Lynne; Askew, Christopher Gordon  
 (74) James & Wells Intellectual Property
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- (71) DRAEGER SAFETY AG & CO. KGAA  
 (11) AU-A-2023201986  
 (21) 2023201986 (22) 31.03.2023  
 (54) ANALYZER WITH A POSITIVE DISPLACEMENT PUMP AND A VALVE AND ANALYSIS PROCESS WITH SUCH AN ANALYZER  
 (51) Int. Cl.  
*G01F 5/00* ( 2006.01 )  
*G01N 33/497* ( 2006.01 )  
*G01N 33/98* ( 2006.01 )  
 (31) 102022108432.9 (32) 07.04.22 (33) DE  
 (43) 26.10.2023  
 (72) REKOW, Jens; MAT-TERN-FRÜHWALD, Marie-Isabell; REIER, Tobias; BRUNSWICK FRANCO, Luis; BENDORF, Nick  
 (74) Oxygene IP
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- (71) Duke University  
 (11) AU-A-2023241327  
 (21) 2023241327 (22) 05.10.2023  
 (54) Compositions and methods of improving specificity in genomic engineering using RNA-guided endonucleases  
 (51) Int. Cl.  
*G01N 33/53* ( 2006.01 )  
*G01N 33/543* ( 2006.01 )  
*G01N 33/553* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2016311454  
 (72) Josephs, Eric; Kocak, Dewran; Marszalek, Piotr; Gersbach, Charles A.  
 (74) Griffith Hack
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- (71) Duress IP Pty Ltd  
 (11) AU-A-2023237212  
 (21) 2023237212 (22) 02.10.2023  
 (54) SECURITY SYSTEM, DEVICE and API  
 (51) Int. Cl.  
*G08B 25/12* ( 2006.01 )  
*G08B 3/00* ( 2006.01 )

- G08B 21/02* ( 2006.01 )  
*G08B 21/04* ( 2006.01 )  
*G08B 25/00* ( 2006.01 )  
*H04M 11/04* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021290391,2022100069  
 (72) HEAVEN, Travis; PAGNIN, Karl; WALSH, Tom  
 (74) Baxter Patent Attorneys Pty Ltd
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- (71) Edwards Lifesciences Corporation  
 (11) AU-A-2023241363  
 (21) 2023241363 (22) 06.10.2023  
 (54) Catheter assembly  
 (51) Int. Cl.  
*A61F 2/24* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021204636  
 (72) VALDEZ, Michael G.  
 (74) Spruson & Ferguson
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- (71) Edwards Lifesciences Corporation  
 (11) AU-A-2023241374  
 (21) 2023241374 (22) 06.10.2023  
 (54) Covered prosthetic heart valve  
 (51) Int. Cl.  
*A61F 2/24* ( 2006.01 )  
*A61F 2/00* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2022202244  
 (72) SCHWARTZ, Evan T.; CHOW, Sean; PAWAR, Sandip Vasant; PATEL, Darshin S.; CHHE, Chambory; LADDHA, Arpit; NGUYEN, Ngoc Hoang Thi; CHU, Waina Michelle; DU, Yuanlong; BUKIN, Michael; MANASH, Boaz; HAIVATOV, Sara; LEVI, Tamir S.  
 (74) Spruson & Ferguson
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- (71) Eli Lilly and Company  
 (11) AU-A-2023204569  
 (21) 2023204569 (22) 10.07.2023  
 (54) PD-1 Agonist Antibodies And Uses Thereof  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61P 37/06* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2019228474  
 (72) CHAI, Qing; FENG, Yiqing; NEWBURN, Kristin Paige; TRUHLAR, Stephanie Marie; VERDINO, Petra; YACHI, Pia Pauliina  
 (74) WRAYS PTY LTD
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- (71) Epizyme, Inc.  
 (11) AU-A-2023241316  
 (21) 2023241316 (22) 05.10.2023  
 (54) ARYL-OR HETEROARYL-SUBSTITUTED BENZENE COMPOUNDS  
 (51) Int. Cl.  
*C07D 213/64* ( 2006.01 )  
*A61K 31/4412* ( 2006.01 )  
*A61K 31/444* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )

- C07D 405/12* ( 2006.01 )  
*C07D 409/12* ( 2006.01 )  
*C07D 413/12* ( 2006.01 )  
*C07D 417/12* ( 2006.01 )  
*C07D 491/08* ( 2006.01 )  
*C07D 491/107* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021202894  
 (72) Kuntz, Kevin Wayne; Knutson, Sarah Kathleen; Chesworth, Richard; Duncan, Kenneth William; Keilhack, Heike; Warholc, Natalie; Klaus, Christine; Seki, Masashi; Shirotori, Syuji; Kawano, Satoshi; Wigle, Timothy James Nelson  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) ESKANDER, S.; GHOSSAIN, R.  
 (11) AU-A-2022202319  
 (21) 2022202319 (22) 06.04.2022  
 (54) AN APPARATUS FOR PARKING A VEHICLE AND A PARKING MANAGEMENT SYSTEM INCLUDING THE SAME  
 (51) Int. Cl.  
*G08G 1/14* ( 2006.01 )  
*B60Q 9/00* ( 2006.01 )  
*E01F 13/08* ( 2006.01 )  
*G07C 9/10* ( 2020.01 )  
*G08B 13/194* ( 2006.01 )  
*G08C 17/02* ( 2006.01 )  
*H04B 5/00* ( 2006.01 )  
*H04W 4/80* ( 2018.01 )  
 (43) 26.10.2023  
 (72) ESKANDER, Shady; GHOSSAIN, Romel  
 (74) Baxter Patent Attorneys Pty Ltd
- 
- (71) F. Hoffmann-La Roche AG; Genentech, Inc.  
 (11) AU-A-2023237217  
 (21) 2023237217 (22) 02.10.2023  
 (54) Adjuvant treatment of HER2-positive breast cancer  
 (51) Int. Cl.  
*C07K 16/32* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021205081  
 (72) BENYUNES, Mark C.; ROSS, Graham Alexander  
 (74) Griffith Hack
- 
- (71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2023237206  
 (21) 2023237206 (22) 02.10.2023  
 (54) Patient interfaces  
 (51) Int. Cl.  
*A61M 16/06* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021204741  
 (72) Middelkoop, Kristin Elizabeth; Mashal, Fadi Karim Moh'd; Betteridge, Max Leon; McLaren, Mark Arvind; Olsen, Gregory James; Patel, Roheet; Bearne,



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**(74)** AJ PARK
- 
- (71)** Fisher & Paykel Healthcare Limited  
**(11)** AU-A-2023241284  
**(21)** 2023241284 **(22)** 04.10.2023  
**(54)** METHODS AND APPARATUS FOR OXYGENATION AND/OR CO2 REMOVAL  
**(51)** Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A61B 5/087** ( 2006.01 )  
**A61B 5/091** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2021202228  
**(72)** Oldfield, Samantha Dale; Spence, Callum James Thomas; Barraclough, Michael Robert; Payton, Matthew Jon; Hermez, Laith Adeeb; Barnes, Thomas Heinrich; White, Craig Karl; Evans, Alicia Jerram Hunter; Assi, Milanjot Singh  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** Fisher & Paykel Healthcare Limited  
**(11)** AU-A-2023241360  
**(21)** 2023241360 **(22)** 06.10.2023  
**(54)** RESPIRATORY ASSISTANCE APPARATUS  
**(51)** Int. Cl.  
**A61M 16/10** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2021273536  
**(72)** DARBY, Adam John; KURIGER, Donald Roy; BOTHMA, Johannes Nicolaas; BENT, Scott  
**(74)** AJ PARK
- 
- (71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2023241338  
**(21)** 2023241338 **(22)** 05.10.2023  
**(54)** HEADGEAR FOR RESPIRATORY INTERFACES  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2021245210  
**(72)** HAMMER, Jeroen; NICOLSON, Charles  
**(74)** AJ PARK
- 
- (71)** Fisher and Paykel Healthcare Limited  
**(11)** AU-A-2023237208  
**(21)** 2023237208 **(22)** 02.10.2023  
**(54)** Filter assembly  
**(51)** Int. Cl.  
**A61M 16/10** ( 2006.01 )  
**A61M 13/00** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2017371481  
**(72)** Boyes, Richard John; Fischer, Christian Francis; Ghalib, Ali Ghalib Abdul Rahman; Chan, Jessica Kristen; Baumann, Monika; Ip, Bernard Tsz Lun  
**(74)** Chapman Tripp Patents Limited
- 
- (71)** Framy Inc.  
**(11)** AU-A-2023202163  
**(21)** 2023202163 **(22)** 07.04.2023  
**(54)** Location-related topic discussion system, operating method and computer-readable recording medium  
**(51)** Int. Cl.  
**G06F 16/24** ( 2019.01 )  
**G06F 16/29** ( 2019.01 )  
**(31)** 111113761 **(32)** 12.04.22 **(33)** TW  
**(43)** 26.10.2023  
**(72)** LI, Yu-Hsien; LEE, Yu-Chih; MEI, Hao-Wen  
**(74)** A.P.T. Patent and Trade Mark Attorneys
- 
- (71)** Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.  
**(11)** AU-A-2023241343  
**(21)** 2023241343 **(22)** 05.10.2023  
**(54)** Audio encoder, audio decoder, method for encoding an audio signal and method for decoding an encoded audio signal  
**(51)** Int. Cl.  
**G10L 19/02** ( 2013.01 )  
**(43)** 26.10.2023  
**(62)** 2021215252  
**(72)** EDLER, Bernd; HELMRICH, Christian; NEUENDORF, Max; SCHUBERT, Benjamin  
**(74)** Griffith Hack
- 
- (71)** FTS Kabushiki Kaisha  
**(11)** AU-A-2023248059  
**(21)** 2023248059 **(22)** 10.10.2023  
**(54)** System, Method, Operator Server, and Program for Financial Demand Response Provision Services  
**(51)** Int. Cl.  
**G06Q 40/02** ( 2023.01 )  
**G06Q 40/00** ( 2023.01 )  
**(43)** 26.10.2023  
**(62)** 2017389212  
**(72)** MATSUDA, Yutaro  
**(74)** Spruson & Ferguson
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- (71)** FURUKAWA ELECTRIC CO., LTD.  
**(11)** AU-A-2022423923  
**(21)** 2022423923 **(22)** 07.04.2022  
**(54)** OPTICAL FIBER RIBBON  
**(51)** Int. Cl.  
**G01M 11/00** ( 2006.01 )  
**G02B 6/44** ( 2006.01 )  
**(43)** 26.10.2023  
**(72)** YASUTOMI, Tetsuya  
**(74)** Spruson & Ferguson
- 
- (71)** GCE Holding AB  
**(11)** AU-A-2023241308  
**(21)** 2023241308 **(22)** 05.10.2023
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- (54)** Remote monitoring and controlling of a patient oxygen therapy device  
**(51)** Int. Cl.  
**G16C 10/00** ( 2019.01 )  
**(43)** 26.10.2023  
**(62)** 2016429072  
**(72)** Pemberton, Gareth; Oleforo, Donald; Phillips, Chris; Galvin, Mike  
**(74)** DAVIS IP PTY LTD
- 
- (71)** GE Energy Power Conversion Technology Limited  
**(11)** AU-A-2023201810  
**(21)** 2023201810 **(22)** 23.03.2023  
**(54)** SWITCHING SYNCHRONIZATION FOR MODULAR MULTILEVEL CONVERTERS  
**(51)** Int. Cl.  
**H02J 3/40** ( 2006.01 )  
**H02M 5/42** ( 2006.01 )  
**H02M 7/23** ( 2006.01 )  
**H02M 7/483** ( 2007.01 )  
**H03K 3/017** ( 2006.01 )  
**(31)** 17714,992 **(32)** 06.04.22 **(33)** US  
**(43)** 26.10.2023  
**(72)** Hawes, Nathaniel Benedict; Bebic, Jovan Z.; Li, Xiaohong  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- Genentech, Inc. see F. Hoffmann-La Roche AG**  
**(21)** 2023237217
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- (71)** Gen-Probe Incorporated  
**(11)** AU-A-2023241371  
**(21)** 2023241371 **(22)** 06.10.2023  
**(54)** Compositions and methods for detecting Zika virus nucleic acid  
**(51)** Int. Cl.  
**C12Q 1/70** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2023201323  
**(72)** GAO, Kui; LINNEN, Jeffrey M.  
**(74)** FB Rice Pty Ltd
- 
- (71)** Gen-Probe Incorporated  
**(11)** AU-A-2023241372  
**(21)** 2023241372 **(22)** 06.10.2023  
**(54)** Compositions and methods for detecting Zika virus nucleic acid  
**(51)** Int. Cl.  
**C12Q 1/70** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2023201323  
**(72)** GAO, Kui; LINNEN, Jeffrey M.  
**(74)** FB Rice Pty Ltd
- 
- (71)** Gen-Probe Incorporated  
**(11)** AU-A-2023241385  
**(21)** 2023241385 **(22)** 06.10.2023  
**(54)** Compositions and methods for detecting HEV nucleic acid  
**(51)** Int. Cl.  
**C12Q 1/70** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

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 (62) 2023200928  
 (72) GAO, Kui; ONG, Edgar O.; COLE, Jennifer; LINNEN, Jeffrey M.  
 (74) FB Rice Pty Ltd

**GHOSSAIN, R. see ESKANDER, S.**  
 (21) 2022202319

(71) Gigglicious, LLC  
 (11) AU-A-2023241313  
 (21) 2023241313 (22) 05.10.2023  
 (54) TWO LAYER RECREATIONAL AIR-TIGHT OBJECT HAVING A PATTERNERD ILLUMINATED SURFACE  
 (51) Int. Cl.  
**A63B 43/06** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2021229234  
 (72) Wolfinbarger, Ryan  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Glass Expansion Pty. Limited  
 (11) AU-A-2023202154  
 (21) 2023202154 (22) 06.04.2023  
 (54) A flow control device  
 (51) Int. Cl.  
**H01J 49/04** ( 2006.01 )  
**H01J 37/32** ( 2006.01 )  
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*A61L 27/14* ( 2006.01 )  
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*B29C 44/18* ( 2006.01 )  
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 (21) 2023201890 (22) 28.03.2023  
 (54) A mortar tray stand  
 (51) Int. Cl.  
*E04G 21/00* ( 2006.01 )  
*E04G 5/00* ( 2006.01 )  
 (31) 2022900907 (32) 07.04.22 (33) AU 2022903551 23.11.22 AU  
 (43) 26.10.2023  
 (72) Love, Danny  
 (74) Patentec Patent Attorneys

Lutnick, H. see BCG Partners, Inc.  
 (21) 2023237214

(71) Malema Engineering Corporation  
 (11) AU-A-2023202209  
 (21) 2023202209 (22) 11.04.2023  
 (54) Replaceable coriolis flow sensors with broad operating range  
 (51) Int. Cl.  
*G01F 1/84* ( 2006.01 )  
*A61L 2/08* ( 2006.01 )  
 (31) 17/718,197 (32) 11.04.22 (33) US

(43) 26.10.2023  
 (72) Malani, Deepak Bhagwan; Rajagopalan, Jayasekar; Knudsen, Claus Waldersdorff; Castro, Renato De  
 (74) FPA Patent Attorneys Pty Ltd

(71) MANGROVE WATER TECHNOLOGIES LTD  
 (11) AU-A-2023241281  
 (21) 2023241281 (22) 04.10.2023  
 (54) LI RECOVERY PROCESSES AND ONSITE CHEMICAL PRODUCTION FOR LI RECOVERY PROCESSES  
 (51) Int. Cl.  
*B01D 61/00* ( 2006.01 )  
*C01D 15/00* ( 2006.01 )  
*C01D 15/02* ( 2006.01 )  
*C01D 15/06* ( 2006.01 )  
*C01D 15/08* ( 2006.01 )  
*C25B 1/04* ( 2021.01 )  
 (43) 26.10.2023  
 (62) 2022256176  
 (72) DARA, Saad; ZAHIRI, Benjamin  
 (74) Oxygene IP

(71) MARA RENEWABLES CORPORATION  
 (11) AU-A-2023248065  
 (21) 2023248065 (22) 10.10.2023  
 (54) Method of making lipids with improved cold flow properties  
 (51) Int. Cl.  
*C12P 7/64* ( 2022.01 )  
*C11B 1/00* ( 2006.01 )  
*C12N 1/10* ( 2006.01 )  
*C12N 1/12* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2022201863  
 (72) SUN, Zhiyong; SOTHERN, Alan; BERRYMAN, Kevin; VALENTINE, Mercia; MILWAY, Michael; PURDUE, Laura; ARMENTA, Roberto E.  
 (74) Griffith Hack

(71) Mars Sciences Limited  
 (11) AU-A-2023241336  
 (21) 2023241336 (22) 05.10.2023  
 (54) Superparamagnetic particle imaging and its applications in quantitative multiplex stationary phase diagnostic assays  
 (51) Int. Cl.  
*G01R 33/10* ( 2006.01 )  
*G01R 33/12* ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2019252255  
 (72) GE, Yu; LABORDE, Ronald, T.; WALDA, Kevin, N.  
 (74) FB Rice Pty Ltd

Massachusetts Institute of Technology see The Broad Institute, Inc.  
 (21) 2023241391

Massachusetts Institute of Technology see The Broad Institute, Inc.  
 (21) 2023241392

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(71) MAX CO., LTD.  
 (11) AU-A-2023202196  
 (21) 2023202196 (22) 11.04.2023  
 (54) INFORMATION PROCESSING AP-  
 PARATUS, INFORMATION PRO-  
 CESSING METHOD, AND PROGRAM  
 (51) Int. Cl.  
*G06Q 10/063* (2023.01 )  
 (31) 2022-064770 (32) 08.04.22 (33) JP  
 (43) 26.10.2023  
 (72) IWAKI, Kozo; NAGAI, Norihiro;  
 HASHIMOTO, Takahiro; ARABIKI, Yas-  
 uhisa; TAKEUCHI, Sadayoshi  
 (74) AJ PARK

(71) MAX CO., LTD.  
 (11) AU-A-2023202210  
 (21) 2023202210 (22) 11.04.2023  
 (54) ELECTRIC POWER TOOL, PRO-  
 CESSOR FOR ELECTRIC POWER  
 TOOL, AND PROGRAM FOR ELEC-  
 TRIC POWER TOOL  
 (51) Int. Cl.  
*H04W 88/04* (2009.01 )  
*B21F 15/06* (2006.01 )  
*H04W 4/38* (2018.01 )  
*H04W 4/70* (2018.01 )  
*H04W 28/14* (2009.01 )  
 (31) 2022-064769 (32) 08.04.22 (33) JP  
 (43) 26.10.2023  
 (72) IWAKI, Kozo; NAGAI, Norihiro;  
 HASHIMOTO, Takahiro  
 (74) AJ PARK

(71) Medikine, Inc.  
 (11) AU-A-2023214299  
 (21) 2023214299 (22) 10.08.2023  
 (54) Dual IL-2R and IL-7R binding com-  
 pounds  
 (51) Int. Cl.  
*C07K 14/55* (2006.01 )  
*A61P 35/00* (2006.01 )  
*A61P 35/04* (2006.01 )  
*A61P 37/00* (2006.01 )  
*A61P 37/02* (2006.01 )  
 (43) 26.10.2023  
 (62) 2020378282  
 (72) DOWER, William J.; NEEDELS, Mi-  
 chael C.; BARRETT, Ronald W.; BAK-  
 KER, Alice V.; CWIRLA, Steven E.  
 (74) Minter Ellison

(71) Melville Equipment Corp. Pty Ltd  
 (11) AU-A-2023201791  
 (21) 2023201791 (22) 22.03.2023  
 (54) Handheld Railway Spike Puller  
 (51) Int. Cl.  
*E01B 29/26* (2006.01 )  
*B25C 11/00* (2006.01 )  
 (31) 2022900900 (32) 06.04.22 (33) AU  
 (43) 26.10.2023  
 (72) Casbault, Jason; Holmes, Ben  
 (74) Clark Intellectual Property Pty Ltd

(71) Metso Sweden AB  
 (11) AU-A-2023241300  
 (21) 2023241300 (22) 04.10.2023

(54) A LINING FOR A HAUL TRUCK BODY,  
 A TRANSITION LINING ELEMENT  
 AND A METHOD FOR FASTENING A  
 LINING  
 (51) Int. Cl.  
*B60P 1/28* (2006.01 )  
*B60R 13/01* (2006.01 )  
 (43) 26.10.2023  
 (62) 2021204256  
 (72) PERSSON, Henrik; LARSSON, Fredrik  
 (74) IP GATEWAY PATENT & TRADE  
 MARK ATTORNEYS PTY LTD

(71) Milton Roy, LLC  
 (11) AU-A-2023202103  
 (21) 2023202103 (22) 05.04.2023  
 (54) Dielectric Assembly For Non-Thermal  
 Plasma Reactor  
 (51) Int. Cl.  
*H05H 1/24* (2006.01 )  
 (31) 63/328,425 (32) 07.04.22 (33) US  
 18/191,113 28.03.23 US  
 (43) 26.10.2023  
 (72) BUCHANAN, Walter Riley; SHAUGH-  
 NESSY, John Peter  
 (74) WRAYS PTY LTD

(71) Mitsubishi Electric Corporation  
 (11) AU-A-2023241352  
 (21) 2023241352 (22) 05.10.2023  
 (54) AIR-CONDITIONING APPARATUS,  
 AND REFRIGERATION CYCLE AP-  
 PARATUS  
 (51) Int. Cl.  
*F04D 29/44* (2006.01 )  
*F04D 29/42* (2006.01 )  
 (43) 26.10.2023  
 (62) 2021277705  
 (72) TERAMOTO, Takuya; HORIE, Ryo;  
 YAMATANI, Takahiro; MICHIKAMI,  
 Kazuya; TSUTSUMI, Hiroshi; HAY-  
 ASHI, Hiroyasu  
 (74) Griffith Hack

(71) Modular Mining Systems, Inc.  
 (11) AU-A-2023241364  
 (21) 2023241364 (22) 06.10.2023  
 (54) DRIVER GUIDANCE FOR GUIDED  
 MANEUVERING  
 (51) Int. Cl.  
*G01S 1/00* (2006.01 )  
 (43) 26.10.2023  
 (62) 2022201853  
 (72) Lewis, Michael W.; Van Latum, Lucas;  
 Röttig, Andree; Casson, William  
 (74) Pizzzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) Mofid, M.  
 (11) AU-A-2023237156  
 (21) 2023237156 (22) 28.09.2023  
 (54) SCAFFOLD WOUND DRESSING  
 (51) Int. Cl.  
*A61L 15/32* (2006.01 )  
*A61L 15/42* (2006.01 )  
*A61L 15/58* (2006.01 )

(43) 26.10.2023  
 (62) 2021384232  
 (72) Mofid, Mehrdad Mark  
 (74) Pizzzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) Netafim Ltd  
 (11) AU-A-2023241332  
 (21) 2023241332 (22) 05.10.2023  
 (54) IRRIGATION PIPE  
 (51) Int. Cl.  
*F16L 9/00* (2006.01 )  
*A01G 25/02* (2006.01 )  
*F16L 9/127* (2006.01 )  
 (43) 26.10.2023  
 (62) 2017349597  
 (72) Masarwa, Abed; Belford, James  
 (74) Griffith Hack

(71) Neurovigil, Inc.  
 (11) AU-A-2023241380  
 (21) 2023241380 (22) 06.10.2023  
 (54) Localized collection of biological sig-  
 nals, cursor control in speech-assist-  
 ance interface based on biological elec-  
 trical signals and arousal detection  
 based on biological electrical signals  
 (51) Int. Cl.  
*A61B 5/0476* (2006.01 )  
 (43) 26.10.2023  
 (62) 2021250913  
 (72) LOW, Philip  
 (74) FB Rice Pty Ltd

(71) Next Generation AI Pty Ltd  
 (11) AU-A-2022202380  
 (21) 2022202380 (22) 11.04.2022  
 (54) Detection of prostate cancer  
 (51) Int. Cl.  
*G16H 50/20* (2018.01 )  
*A61B 6/00* (2006.01 )  
*A61B 6/03* (2006.01 )  
*G06N 3/08* (2006.01 )  
*G06T 7/00* (2017.01 )  
*G16H 30/40* (2018.01 )  
 (43) 26.10.2023  
 (72) PAGE, Mark; BROTCHE, Peter  
 (74) FB Rice Pty Ltd

(71) Nextracker LLC  
 (11) AU-A-2023241337  
 (21) 2023241337 (22) 05.10.2023  
 (54) DC/DC Converter for Distributed Stor-  
 age and Solar Systems  
 (51) Int. Cl.  
*H02J 3/00* (2006.01 )  
*H02J 3/28* (2006.01 )  
 (43) 26.10.2023  
 (62) 2021257945  
 (72) Liu, Yang  
 (74) Clark Intellectual Property Pty Ltd

(71) Nicoventures Trading Limited  
 (11) AU-A-2023241339  
 (21) 2023241339 (22) 05.10.2023  
 (54) Aerosol provision system

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(51) Int. Cl.  
**A24F 40/40** ( 2020.01 )  
**A24F 40/00** ( 2020.01 )  
**A24F 40/42** ( 2020.01 )  
**A24F 40/46** ( 2020.01 )  
**A61M 15/06** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2020250958  
**(72)** SPENCER, Alfred Vincent; BRUTON, Connor; REES, Kelly; MOLONEY, Patrick; AOUN, Walid Abi; GHANOUNI, Kav; LEAH, Thomas David  
**(74)** Spruson & Ferguson

**(71)** Nicoventures Trading Limited  
**(11)** AU-A-2023241399  
**(21)** 2023241399 **(22)** 09.10.2023  
**(54)** Aerosol provision systems  
**(51)** Int. Cl.  
**A24F 40/42** ( 2020.01 )  
**(43)** 26.10.2023  
**(62)** 2020366138  
**(72)** HUGHES, Steve  
**(74)** Spruson & Ferguson

**(71)** Nilo Limited  
**(11)** AU-A-2023241322  
**(21)** 2023241322 **(22)** 05.10.2023  
**(54)** Plastic processing system and apparatus  
**(51)** Int. Cl.  
**C08J 11/08** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2021204547  
**(72)** COVENY, Philip Kenneth  
**(74)** Dentons Patent Attorneys Australasia Limited

**Novartis AG see Pear Therapeutics (US), Inc.**  
**(21)** 2023241396

**Noviello, J. see BCG Partners, Inc.**  
**(21)** 2023237214

**(71)** Nuheara IP Pty Ltd  
**(11)** AU-A-2023202186  
**(21)** 2023202186 **(22)** 11.04.2023  
**(54)** AN AUDIO SYSTEM  
**(51)** Int. Cl.  
**H04R 25/00** ( 2006.01 )  
**H04R 29/00** ( 2006.01 )  
**H04R 1/10** ( 2006.01 )  
**(31)** 2022900971 **(32)** 12.04.22 **(33)** AU  
**(43)** 26.10.2023  
**(72)** DICKSON, Bonar; ÖSTLIN, Erik; YONG, Pei Chee; MALEGAONKAR, Amit; COMBES, Peter; DAVIS, Alan  
**(74)** Integrated IP

**(71)** Ojai Retinal Technology, LLC  
**(11)** AU-A-2023241390  
**(21)** 2023241390 **(22)** 06.10.2023

**(54)** System and process for adjusting treatment parameters for retina phototherapy based on RPE melanin levels  
**(51)** Int. Cl.  
**A61F 9/00** ( 2006.01 )  
**A61F 9/008** ( 2006.01 )  
**A61N 5/06** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2019386722  
**(72)** LUTTRULL, Jeffrey K.; CHANG, David B.  
**(74)** Griffith Hack

**(71)** Olitek Pty Ltd  
**(11)** AU-A-2022202388  
**(21)** 2022202388 **(22)** 11.04.2022  
**(54)** SYSTEMS AND METHODS FOR TRIGGERING EXPLOSIVES IN HOLES  
**(51)** Int. Cl.  
**F42D 1/22** ( 2006.01 )  
**E21C 41/22** ( 2006.01 )  
**F42B 3/26** ( 2006.01 )  
**F42D 1/04** ( 2006.01 )  
**F42D 1/045** ( 2006.01 )  
**F42D 3/04** ( 2006.01 )  
**(43)** 26.10.2023  
**(72)** Oliver, James  
**(74)** Griffith Hack

**(71)** Packsize LLC  
**(11)** AU-A-2023248047  
**(21)** 2023248047 **(22)** 09.10.2023  
**(54)** Identifying and managing equipment within an operational environment  
**(51)** Int. Cl.  
**G06Q 10/00** ( 2023.01 )  
**(43)** 26.10.2023  
**(62)** 2017368229  
**(72)** Harnesk, Andreas  
**(74)** Griffith Hack

**(71)** Paragon 28, Inc.  
**(11)** AU-A-2023202269  
**(21)** 2023202269 **(22)** 12.04.2023  
**(54)** SURGICAL METHODS FOR PROCEDURES OF THE SUBTALAR JOINT  
**(51)** Int. Cl.  
**A61B 17/56** ( 2006.01 )  
**(31)** 63/362,850 **(32)** 12.04.22 **(33)** US  
**(43)** 26.10.2023  
**(72)** Goldberg, Andrew Julian; Dodd, Kevin Alan; Obert, Richard Matthew; Carroll, Michael Edward; Anderle, Mathew Richard; Senz, Alyssa Marie; Taj, So-mair Ali; Myerson, Mark; Burstein, Albert  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Pear Therapeutics (US), Inc.  
**(11)** AU-A-2023241395  
**(21)** 2023241395 **(22)** 08.10.2023  
**(54)** Electronic devices and methods for treating depressive symptoms associated with multiple sclerosis  
**(51)** Int. Cl.  
**G16H 20/70** ( 2018.01 )

**(43)** 26.10.2023  
**(62)** 2020257885  
**(72)** KERSANSKE, Brent Paul; BROWN, Michael; WEINGARDT, Kenneth R.; AHRENS, Jillian Christine  
**(74)** Griffith Hack

**(71)** Pear Therapeutics (US), Inc.; Novartis AG  
**(11)** AU-A-2023241396  
**(21)** 2023241396 **(22)** 08.10.2023  
**(54)** Electronic devices and methods for treatment of depressive symptoms, depressive disorders utilizing digital therapies  
**(51)** Int. Cl.  
**G16H 10/20** ( 2018.01 )  
**G16H 20/70** ( 2018.01 )  
**G16H 40/67** ( 2018.01 )  
**(43)** 26.10.2023  
**(62)** 2020260060  
**(72)** BROWN, Michael; GHAEMI, Seyyed Nassir; KERSANSKE, Brent Paul; WEINGARDT, Kenneth R.; AHRENS, Jillian; KUBARA, Alexandra; VON RAISON, Florian  
**(74)** Griffith Hack

**(71)** Perenti Outdoor Tools Pty Ltd  
**(11)** AU-A-2023237209  
**(21)** 2023237209 **(22)** 02.10.2023  
**(54)** CUTTING TOOL  
**(51)** Int. Cl.  
**A01D 1/14** ( 2006.01 )  
**A01D 1/04** ( 2006.01 )  
**A01D 1/06** ( 2006.01 )  
**A01G 3/08** ( 2006.01 )  
**B26B 13/08** ( 2006.01 )  
**B26B 13/20** ( 2006.01 )  
**B26B 13/26** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** PCT/AU2022/050263  
**(72)** ELMASRI, Danny  
**(74)** Baxter Patent Attorneys Pty Ltd

**(71)** PerkinElmer Health Sciences, Inc.; University of Washington  
**(11)** AU-A-2023241355  
**(21)** 2023241355 **(22)** 06.10.2023  
**(54)** Compounds and methods relating to testing for lysosomal storage disorders  
**(51)** Int. Cl.  
**C07H 15/00** ( 2006.01 )  
**C12Q 1/00** ( 2006.01 )  
**C12Q 1/25** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2021254547  
**(72)** CHERKASSKY, Alexander; COURNOYER, Jason; GELB, Michael  
**(74)** Spruson & Ferguson

**(71)** Piscitelli, M.  
**(11)** AU-A-2023241340  
**(21)** 2023241340 **(22)** 05.10.2023

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(54) Apparatus and method for measuring far-field luminous intensity and color characteristics of light sources

(51) Int. Cl.  
**G02B 6/00** ( 2006.01 )

(43) 26.10.2023  
(62) 2021245205  
(72) PISCITELLI, Michael  
(74) Spruson & Ferguson

(71) Premier Biotech, Inc.  
(11) AU-A-2023241289  
(21) 2023241289 (22) 04.10.2023  
(54) ASSAY DEVICE AND RECEIVING DEVICE

(51) Int. Cl.  
**B01L 3/02** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )  
**B01L 3/16** ( 2006.01 )  
**G01N 1/00** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )

(43) 26.10.2023  
(62) 2020320437  
(72) BAILEY, Todd; HONG, Liang  
(74) Baxter Patent Attorneys Pty Ltd

(71) Procare UK Limited  
(11) AU-A-2023201961  
(21) 2023201961 (22) 30.03.2023  
(54) A hair tool

(51) Int. Cl.  
**A45D 24/16** ( 2006.01 )  
(31) 2205146.0 (32) 07.04.22 (33) GB  
(43) 26.10.2023  
(72) CROWLEY, Jonathan; BATES, Myles  
(74) FB Rice Pty Ltd

(71) Prysmian S.p.A.  
(11) AU-A-2023201839  
(21) 2023201839 (22) 24.03.2023  
(54) Power or data transmission cable with metallic water barrier and process for manufacturing such a cable

(51) Int. Cl.  
**H01B 7/282** ( 2006.01 )  
**H01B 7/17** ( 2006.01 )  
**H01B 13/22** ( 2006.01 )  
(31) 10202200006962 (32) 07.04.22 (33) IT  
(43) 26.10.2023  
(72) GANDINI, MARINA; CONSONNI, ENRICO MARIA; POZZATI, GIOVANNI; TAWFILAS, MASSIMO  
(74) Davies Collison Cave Pty Ltd

(71) Prysmian S.p.A.  
(11) AU-A-2023201851  
(21) 2023201851 (22) 24.03.2023  
(54) Cable with joints for the connection of cable armour non-metallic elements

(51) Int. Cl.  
**H01B 7/00** ( 2006.01 )  
**F16G 11/02** ( 2006.01 )  
(31) 102022000007280 (32) 12.04.22 (33) IT  
(43) 26.10.2023  
(72) CONSONNI, Enrico Maria; CORDÒ, Federico  
(74) Davies Collison Cave Pty Ltd

(71) QED Labs Inc.  
(11) AU-A-2023241286  
(21) 2023241286 (22) 04.10.2023  
(54) Staple fibers containing releasable surface modifying molecules

(51) Int. Cl.  
**D01D 5/26** ( 2006.01 )  
**D01D 1/10** ( 2006.01 )  
(43) 26.10.2023  
(62) 2017362758  
(72) JOGIKALMATH, Gangadhar; RAMAPPA, DeepakArabagatte  
(74) Spruson & Ferguson

(71) Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.  
(11) AU-A-2023241297  
(21) 2023241297 (22) 04.10.2023  
(54) Refrigerator

(51) Int. Cl.  
**F25D 23/02** ( 2006.01 )  
**E05D 3/06** ( 2006.01 )  
**E05D 15/02** ( 2006.01 )  
(43) 26.10.2023  
(62) 2020317659  
(72) XIA, Enpin; ZHANG, Hao; ZHU, Xiaobing  
(74) Spruson & Ferguson

(71) QINGDAO JKL PACKING CO., LTD  
(11) AU-A-2023202178  
(21) 2023202178 (22) 11.04.2023  
(54) FOLDED PACKAGING CONTAINER STRUCTURE, DEVICE AND PROCESS  
(51) Int. Cl.  
**B65D 5/56** ( 2006.01 )  
**B65D 25/02** ( 2006.01 )  
**B65D 85/80** ( 2006.01 )  
(31) 202210413662.6 (32) 10.04.22 (33) CN  
(43) 26.10.2023  
(72) WANG, Shoudong; YU, Tao  
(74) Alder IP Pty Ltd

(71) RAI Strategic Holdings, Inc.  
(11) AU-A-2023248055  
(21) 2023248055 (22) 09.10.2023  
(54) Electronic smoking article  
(51) Int. Cl.  
**A24F 47/00** ( 2020.01 )  
(43) 26.10.2023  
(62) 2021221917  
(72) Bless, Alfred Charles; Liberti, Michael Andrew; Sears, Stephen Benson  
(74) FB Rice Pty Ltd

(71) Reliance Worldwide Corporation  
(11) AU-A-2023241282  
(21) 2023241282 (22) 04.10.2023  
(54) Tubular connector  
(51) Int. Cl.  
**F16L 37/091** ( 2006.01 )  
**F16L 21/02** ( 2006.01 )  
**F16L 29/00** ( 2006.01 )  
**F16L 37/04** ( 2006.01 )

**F16L 37/08** ( 2006.01 )  
**F16L 37/084** ( 2006.01 )  
(43) 26.10.2023  
(62) 2019320708  
(72) KLUSS, William V.; PIPPEN, Eliana; GRAVES, Randy  
(74) Allens Patent & Trade Mark Attorneys

(71) Revance Therapeutics, Inc.  
(11) AU-A-2023241373  
(21) 2023241373 (22) 06.10.2023  
(54) Injectable botulinum toxin formulations and methods of use thereof having long duration of therapeutic or cosmetic effect

(51) Int. Cl.  
**A61K 39/08** ( 2006.01 )  
**A61K 8/64** ( 2006.01 )  
**A61M 5/178** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 17/02** ( 2006.01 )  
**A61P 17/10** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
(43) 26.10.2023  
(62) 2016343748  
(72) Ruegg, Curtis L.; Waugh, Jacob M.  
(74) FPA Patent Attorneys Pty Ltd

(71) Revolution Medicines, Inc.  
(11) AU-A-2023241273  
(21) 2023241273 (22) 03.10.2023  
(54) C26-linked rapamycin analogs as mTOR inhibitors  
(51) Int. Cl.  
**C07D 498/18** ( 2006.01 )  
**A61K 31/436** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 519/00** ( 2006.01 )

(43) 26.10.2023  
(62) 2019262979  
(72) SEMKO, Christopher Michael; WANG, Gang; BURNETT, G. Leslie; AGGEN, James Bradley; KISS, Gert; CREGG, James Joseph; GLIEDT, Micah James Evans; PITZEN, Jennifer; LEE, Julie Chu-Li; WON, Walter; THOT-TUMKARA, Arun P.; GILL, Adrian Liam  
(74) Griffith Hack

(71) River Stone Biotech, LLC  
(11) AU-A-2023241335  
(21) 2023241335 (22) 05.10.2023  
(54) Biosynthesis Of Benzylisoquinoline Alkaloids And Benzylisoquinoline Alkaloid Precursors  
(51) Int. Cl.  
**C12N 9/04** ( 2006.01 )  
**C12P 7/24** ( 2006.01 )  
**C12P 13/00** ( 2006.01 )  
**C12P 17/12** ( 2006.01 )  
**C12P 17/18** ( 2006.01 )

(43) 26.10.2023  
(62) 2017309313  
(72) Hansen, Esben Halkjaer; Schwab, Markus; Berninger, Philipp; Delgrange, Fanny; Grassinger, Franziska  
(74) WRAYS PTY LTD



Applications Open to Public Inspection - Name Index cont'd

**Robertson, B. see West, R.**

(21) 2023202050

(71) Rolls-Royce plc

(11) AU-A-2023201884

(21) 2023201884 (22) 28.03.2023

(54) Aircraft refuelling

(51) Int. Cl.

**B64F 1/28** ( 2006.01 )

**B64D 37/00** ( 2006.01 )

(31) 2205343.3 (32) 12.04.22 (33) GB

(43) 26.10.2023

(72) BEMMENT, Craig W.; KEELER, Benjamin J.; FERRA, Paul W.; HOB-DAY, Alastair G.; McNALLY, Kevin R.; MINELLI, Andrea; YATES, Martin K.

(74) Davies Collison Cave Pty Ltd

(71) Rolls-Royce plc

(11) AU-A-2023202136

(21) 2023202136 (22) 06.04.2023

(54) Loading parameters

(51) Int. Cl.

**F02C 3/22** ( 2006.01 )

**F02C 9/40** ( 2006.01 )

(31) 2205358.1 (32) 12.04.22 (33) GB

(43) 26.10.2023

(72) Swann, Peter; Bemment, Craig W.; Madden, Christopher P.

(74) Davies Collison Cave Pty Ltd

(71) Rolls-Royce plc

(11) AU-A-2023202141

(21) 2023202141 (22) 06.04.2023

(54) Fuel delivery

(51) Int. Cl.

**F02C 3/22** ( 2006.01 )

**F02C 9/40** ( 2006.01 )

(31) 2205354.0 (32) 12.04.22 (33) GB

(43) 26.10.2023

(72) Swann, Peter; Bemment, Craig W.; Madden, Christopher P.

(74) Davies Collison Cave Pty Ltd

(71) Russell Investments Group, LLC

(11) AU-A-2023241296

(21) 2023241296 (22) 04.10.2023

(54) Method of creating and maintaining multi-manager exchange traded funds

(51) Int. Cl.

**G06Q 40/04** ( 2012.01 )

(43) 26.10.2023

(62) 2021209197

(72) Roberts, Mark Stadler; Johnson Jr., Richard Frank; Kuharic, Robert; Smith, Joseph Dewayne

(74) Davies Collison Cave Pty Ltd

(71) Schneider Electric (Australia) Pty Limited

(11) AU-A-2023241304

(21) 2023241304 (22) 04.10.2023

(54) SWITCH ASSEMBLY, SYSTEM AND METHOD

(51) Int. Cl.

**H01H 23/00** ( 2006.01 )

(43) 26.10.2023

(62) 2021218105

(72) Shan, Fuhua

(74) Madderns Pty Ltd

(71) Schneider Electric (Australia) Pty Limited

(11) AU-A-2023241325

(21) 2023241325 (22) 05.10.2023

(54) SWITCH ASSEMBLY WITH ROTATABLE OPERATIONAL PART

(51) Int. Cl.

**H01H 23/00** ( 2006.01 )

**H01H 9/02** ( 2006.01 )

(43) 26.10.2023

(62) 2021218106

(72) Shan, Fuhua

(74) Madderns Pty Ltd

(71) Schneider Electric Industries SAS

(11) AU-A-2023201940

(21) 2023201940 (22) 30.03.2023

(54) PADLOCK STRUCTURE FOR AUTOMATIC TRANSFER SWITCH AND AUTOMATIC TRANSFER SWITCH

(51) Int. Cl.

**H02B 11/133** ( 2006.01 )

**H01H 9/26** ( 2006.01 )

**H02B 1/14** ( 2006.01 )

**H02B 11/04** ( 2006.01 )

**H02B 11/22** ( 2006.01 )

**H02J 9/06** ( 2006.01 )

**H05K 5/03** ( 2006.01 )

(31) 202210373710.3 (32) 07.04.22 (33) CN

(43) 26.10.2023

(72) Zheng, Xiaojing; Wu, Jian; Li, Sha; Ding, Dayou

(74) Madderns Pty Ltd

(71) Schneider Electric Industries SAS

(11) AU-A-2023202029

(21) 2023202029 (22) 03.04.2023

(54) SWITCH SYSTEM WITH BYPASS CONTACT

(51) Int. Cl.

**H01H 1/50** ( 2006.01 )

(31) 202220813140.0 (32) 08.04.22 (33) CN

(43) 26.10.2023

(72) Zheng, Xiaojing; Geng, Xiangyu; Zhou, Bin; Wang, Han

(74) Madderns Pty Ltd

(71) Schneider Electric Industries SAS

(11) AU-A-2023202030

(21) 2023202030 (22) 03.04.2023

(54) OPERATING MECHANISM FOR DUAL-POWER CHANGEOVER SWITCH AND DUAL-POWER CHANGEOVER SWITCH

(51) Int. Cl.

**H01H 23/24** ( 2006.01 )

**H01H 3/28** ( 2006.01 )

**H01H 3/38** ( 2006.01 )

**H01H 9/26** ( 2006.01 )

**H01H 50/32** ( 2006.01 )

(31) 202210368793.7 (32) 08.04.22 (33) CN

(43) 26.10.2023

(72) Wang, Ning; Liu, Zhenzhong; Lu, Jiayu;

Wu, Jian; Zheng, Xiaojing

(74) Madderns Pty Ltd

(71) Schneider Electric Industries SAS

(11) AU-A-2023202074

(21) 2023202074 (22) 04.04.2023

(54) ARC EXTINGUISHING STRUCTURE AND DUAL POWER CHANGEOVER SWITCH

(51) Int. Cl.

**H01H 9/30** ( 2006.01 )

**H01H 33/70** ( 2006.01 )

(31) 202220793358.4 (32) 07.04.22 (33) CN

(43) 26.10.2023

(72) Wang, Han; Liu, Zhenzhong; Xie,

Haoyu; Geng, Xiangyu; Pan, Yanming

(74) Madderns Pty Ltd

(71) Schneider Electric Industries SAS

(11) AU-A-2023202205

(21) 2023202205 (22) 11.04.2023

(54) DUAL-POWER SWITCHING SYSTEM AND METHOD FOR OPERATING THE SAME

(51) Int. Cl.

**H02J 3/14** ( 2006.01 )

**H02H 3/16** ( 2006.01 )

**H02J 3/28** ( 2006.01 )

**H02J 3/40** ( 2006.01 )

(31) 202210373424.7 (32) 11.04.22 (33) CN

(43) 26.10.2023

(72) Bi, Baoyun; Huang, Jie; Wu, Wei

(74) Madderns Pty Ltd

(71) Schneider Electric Industries SAS

(11) AU-A-2023202207

(21) 2023202207 (22) 11.04.2023

(54) RELAY MONITORING DEVICE, DUAL POWER SUPPLY SWITCHING CONTROL DEVICE AND RELAY MONITORING METHOD

(51) Int. Cl.

**H02J 9/06** ( 2006.01 )

**H01H 1/12** ( 2006.01 )

**H01H 9/00** ( 2006.01 )

**H01H 45/00** ( 2006.01 )

(31) 202210368320.7 (32) 08.04.22 (33) CN

(43) 26.10.2023

(72) Huang, Jie; Bi, Baoyun; Zhao, Chaomin

(74) Madderns Pty Ltd

(71) Schneider Electric Industries SAS

(11) AU-A-2023202213

(21) 2023202213 (22) 11.04.2023

(54) A SWITCHING SYSTEM

(51) Int. Cl.

**H01H 1/60** ( 2006.01 )

**H01H 1/06** ( 2006.01 )

**H01H 1/50** ( 2006.01 )

**H01H 3/02** ( 2006.01 )

**H01H 3/38** ( 2006.01 )

**H01H 3/62** ( 2006.01 )

**H01H 9/30** ( 2006.01 )

(31) 202220814471.6 (32) 08.04.22 (33) CN

Applications Open to Public Inspection - Name Index cont'd

- (43) 26.10.2023  
 (72) Liu, Zhenzhong; Pan, Yanming; Zhou, Bin  
 (74) Madderns Pty Ltd
- 
- (71) Schneider Electric Industries SAS  
 (11) AU-A-2023202215  
 (21) 2023202215 (22) 11.04.2023  
 (54) ELECTRICAL SWITCH  
 (51) Int. Cl.  
*H01H 13/56* (2006.01)  
*H01H 13/60* (2006.01)  
 (31) 202210374173.4 (32) 11.04.22 (33) CN  
 (43) 26.10.2023  
 (72) Pan, Yanming; Liu, Zhenzhong; Zhou, Bin  
 (74) Madderns Pty Ltd
- 
- (71) Schock GmbH  
 (11) AU-A-2023202248  
 (21) 2023202248 (22) 12.04.2023  
 (54) Casting mold for producing a casting having a front side and a rear side from a curable casting compound  
 (51) Int. Cl.  
*B29C 33/00* (2006.01)  
*B29C 37/00* (2006.01)  
 (31) 102022108881.2 (32) 12.04.22 (33) DE  
 (43) 26.10.2023  
 (72) PATERNOSTER, Rudolf; PLEDL, Xaver; PROBST, Alois  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Schock GmbH  
 (11) AU-A-2023202249  
 (21) 2023202249 (22) 12.04.2023  
 (54) Casting mold for producing a casting having a front side and a rear side from a curable casting compound  
 (51) Int. Cl.  
*B29C 33/00* (2006.01)  
*B29C 37/00* (2006.01)  
 (31) 102022108882.0 (32) 12.04.22 (33) DE  
 (43) 26.10.2023  
 (72) PATERNOSTER, Rudolf; PLEDL, Xaver; PROBST, Alois  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Schreder S.A.  
 (11) AU-A-2023237215  
 (21) 2023237215 (22) 02.10.2023  
 (54) Compact Luminaire Head  
 (51) Int. Cl.  
*F21S 8/08* (2006.01)  
*F21V 5/00* (2018.01)  
*F21V 29/76* (2015.01)  
*F21Y 105/10* (2016.01)  
*F21Y 115/10* (2016.01)  
 (43) 26.10.2023  
 (62) 2019250427  
 (72) DAMHAUT, Luc  
 (74) Golja Haines & Friend
- 
- (71) Seattle Children's Hospital (dba Seattle Children's Research Institute)  
 (11) AU-A-2023241321

- (21) 2023241321 (22) 05.10.2023  
 (54) Bispecific car t-cells for solid tumor targeting  
 (51) Int. Cl.  
*C07K 16/30* (2006.01)  
*A61K 35/12* (2015.01)  
*A61K 38/17* (2006.01)  
*A61K 39/395* (2006.01)  
*C07K 14/705* (2006.01)  
 (43) 26.10.2023  
 (62) 2016306209  
 (72) Jensen, Michael C.  
 (74) Griffith Hack
- 
- (71) SECURITYMETRICS, INC.  
 (11) AU-A-2023202044  
 (21) 2023202044 (22) 03.04.2023  
 (54) NETWORK VULNERABILITY ASSESSMENT  
 (51) Int. Cl.  
*H04W 12/08* (2021.01)  
 (31) 17/658,598 (32) 08.04.22 (33) US  
 (43) 26.10.2023  
 (72) GUNDERSEN, Trent  
 (74) Griffith Hack
- 
- (71) SEEDPOND PTY LTD  
 (11) AU-A-2023202041  
 (21) 2023202041 (22) 03.04.2023  
 (54) ACOUSTIC LAMINATE  
 (51) Int. Cl.  
*B32B 5/24* (2006.01)  
*B32B 5/02* (2006.01)  
*B32B 5/18* (2006.01)  
*B32B 17/06* (2006.01)  
*G10K 11/168* (2006.01)  
 (31) 2022900932 (32) 08.04.22 (33) AU  
 (43) 26.10.2023  
 (72) LAW, Harvey Hui-Xiong  
 (74) Oxygene IP
- 
- (71) Seminis Vegetable Seeds, Inc.  
 (11) AU-A-2023201904  
 (21) 2023201904 (22) 29.03.2023  
 (54) Pea variety DLW-C720-0494-A11  
 (51) Int. Cl.  
*A01H 6/54* (2018.01)  
 (31) 17/715,754 (32) 07.04.22 (33) US  
 (43) 26.10.2023  
 (72) Plouy, Alexis J.  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Seres Therapeutics, Inc.  
 (11) AU-A-2023219938  
 (21) 2023219938 (22) 24.08.2023  
 (54) SYNERGISTIC BACTERIAL COMPOSITIONS AND METHODS OF PRODUCTION AND USE THEREOF  
 (51) Int. Cl.  
*A61K 35/742* (2015.01)  
*A23L 33/135* (2016.01)  
*A61K 35/00* (2006.01)  
*A61K 35/744* (2015.01)  
*A61K 35/745* (2015.01)

- (43) 26.10.2023  
 (62) 2021200287  
 (72) Henn, Matthew R.; Litcofsky, Kevin Daniel; D'Onofrio, Anthony Mario; Ohsumi, Toshiro K.; McKenzie, Mary-Jane Lombardo; Von Maltzahn, Geofrey; Cook, David N.; Berry, David Arthur; Afeyan, Noubar B.; Aunins, John Grant  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- Shane Jackson DAVIS see Khoros, LLC  
 (21) 2023241398
- 
- (71) Snap-On Incorporated  
 (11) AU-A-2023202037  
 (21) 2023202037 (22) 03.04.2023  
 (54) LOCKABLE STORAGE DEVICES  
 (51) Int. Cl.  
*A47B 21/04* (2006.01)  
*A47B 21/03* (2006.01)  
*E05B 47/00* (2006.01)  
 (31) 17/715,944 (32) 07.04.22 (33) US  
 (43) 26.10.2023  
 (72) KUTER-ARNEBECK, Ottoleo; WEIR, Nicholas H.; GARGANO, Angelo J.  
 (74) Spruson & Ferguson
- 
- (71) Solid Automotive Group  
 (11) AU-A-2022228200  
 (21) 2022228200 (22) 09.09.2022  
 (54) The SoundTracktoYourLife (STYL) application is the generator of AI created MUSIC (USIC), creating music uniquely created for you with input from both the environmental factors around you and from your own body language. Changes in the listeners real-time environment alter the nature of the music, to increase or decrease the intensity of the generated USIC and change its structure, to influence the enjoyment or behavior of the listener.  
 (51) Int. Cl.  
*G10H 1/00* (2006.01)  
*G06V 10/70* (2022.01)  
*G10L 15/26* (2006.01)  
 (31) 2022900957 (32) 11.04.22 (33) AU  
 (43) 26.10.2023  
 (72) Sood, Sanjeev; Minion, Brett  
 (74) Solid Automotive Group
- 
- (71) SOLIGENIX, INC.; THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE  
 (11) AU-A-2023237223  
 (21) 2023237223 (22) 03.10.2023  
 (54) THERMOSTABLE VACCINE COMPOSITIONS AND METHODS OF PREPARING SAME  
 (51) Int. Cl.  
*A61K 39/00* (2006.01)  
*A61K 9/19* (2006.01)  
*A61K 39/07* (2006.01)  
*A61K 39/39* (2006.01)  
*A61K 47/12* (2006.01)  
*A61K 47/26* (2006.01)

Applications Open to Public Inspection - Name Index cont'd

**A61P 31/04** ( 2006.01 )  
**A61P 39/02** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2020200335  
**(72)** HASSETT, Kimberly; NANDI, Pradyo; BREY, Robert; CARPENTER, John; RANDOLPH, Theodore  
**(74)** Blue Penguin IP Ltd

**Sorbonne Universite see Institut National de la Santé et de la Recherche Médicale**  
**(21)** 2023237125

**(71)** Stryker Corporation  
**(11)** AU-A-2023248063  
**(21)** 2023248063 **(22)** 10.10.2023  
**(54)** Bone cleaner that removes soft tissue by pressing bone stock against a cleaning element and clearing the bone stock from the cleaning element  
**(51)** Int. Cl.  
**A61F 2/46** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2021204059  
**(72)** Horton IV, John Coleman; Bernero, John; Brown, Steven; Diehl, Eric; Roy, Shammodip; Babaris, Robin; Lynch, Robert; Thelen, Adam  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Sunfolding, Inc.  
**(11)** AU-A-2023241270  
**(21)** 2023241270 **(22)** 03.10.2023  
**(54)** Pneumatic actuator system and method  
**(51)** Int. Cl.  
**H02S 20/32** ( 2014.01 )  
**F15B 15/10** ( 2006.01 )  
**(43)** 26.10.2023  
**(62)** 2018255296  
**(72)** Basel, Louis Hong; Betts, Kyle Douglas; Kwan, Alex Tan; Lamb, Jeffrey Charles; Lin, Erica S. C.; Madrone, Leila; Nolan, James Vincent; Schneider, Matthew N.; Shin, Youngjoo; Suan, Eric Preston Lien  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Sungrow Renewables Development Co. Ltd.  
**(11)** AU-A-2023200853  
**(21)** 2023200853 **(22)** 15.02.2023  
**(54)** Concrete pipe pile  
**(51)** Int. Cl.  
**E02D 5/30** ( 2006.01 )  
**E02D 31/00** ( 2006.01 )  
**E02D 31/14** ( 2006.01 )  
**(31)** 202220798310.2 **(32)** 07.04.22 **(33)** CN  
**(43)** 26.10.2023  
**(72)** WANG, Rongxiang; CHEN, Yanhua; ZHAO, Fuqiang; REN, Qing; XU, Ming  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Supracor, Inc.  
**(11)** AU-A-2023201853  
**(21)** 2023201853 **(22)** 24.03.2023

**(54)** AN ADJUSTABLE ANATOMICAL SUPPORT AND SEAT CUSHION APPARATUS FOR WHEELCHAIRS  
**(51)** Int. Cl.  
**A47C 7/14** ( 2006.01 )  
**A61G 5/02** ( 2006.01 )  
**A61G 5/10** ( 2006.01 )  
**(31)** 17/714,395 **(32)** 06.04.22 **(33)** US  
**(43)** 26.10.2023  
**(72)** Wilson, Susan L.; Landi, Curtis L.  
**(74)** James & Wells Intellectual Property

**Sweeting, M. see BCG Partners, Inc.**  
**(21)** 2023237214

**(71)** Targus International LLC  
**(11)** AU-A-2023201331  
**(21)** 2023201331 **(22)** 03.03.2023  
**(54)** USB-C to barrel power adapters  
**(51)** Int. Cl.  
**G06F 1/26** ( 2006.01 )  
**(31)** 17/658,405 **(32)** 07.04.22 **(33)** US  
**(43)** 26.10.2023  
**(72)** TSANG, Man Cheung Dan; SEXTON, Michael Alan; LEE, Kam Shing  
**(74)** Spruson & Ferguson

**(71)** Techtronic Cordless GP  
**(11)** AU-A-2023202049  
**(21)** 2023202049 **(22)** 04.04.2023  
**(54)** Heated grips  
**(51)** Int. Cl.  
**E01H 5/04** ( 2006.01 )  
**B62J 33/00** ( 2006.01 )  
**(31)** 17/714,523 **(32)** 06.04.22 **(33)** US  
**(43)** 26.10.2023  
**(72)** TANG, Mathew; SHAO, Shuai; KANDRA, Grzegorz; BAILEY, Michael Scott; JAMES, Thomas Kolangayil; JIE, Jack Yu  
**(74)** Spruson & Ferguson

**(71)** Techtronic Cordless GP  
**(11)** AU-A-2023202197  
**(21)** 2023202197 **(22)** 11.04.2023  
**(54)** Chainsaw and lubrication system for chainsaw guide bar  
**(51)** Int. Cl.  
**B27B 17/12** ( 2006.01 )  
**B27B 17/02** ( 2006.01 )  
**(31)** 63/329,614 **(32)** 11.04.22 **(33)** US  
 63/415,761 13.10.22 US  
**(43)** 26.10.2023  
**(72)** HOLMAN, Christopher A.; ECKARD, Lance; HOFFMAN, Ronald J.  
**(74)** Spruson & Ferguson

**(71)** Techtronic Cordless GP  
**(11)** AU-A-2023202270  
**(21)** 2023202270 **(22)** 12.04.2023  
**(54)** Hand-held electric tool  
**(51)** Int. Cl.  
**B23D 59/00** ( 2006.01 )  
**B23D 57/02** ( 2006.01 )  
**(31)** 202210383385.9 **(32)** 12.04.22 **(33)** CN

**(43)** 26.10.2023  
**(72)** LIU, Jie; PENG, Zhigang; FAN, Hua; LEE, Wai Chung; WONG, Kar Tat  
**(74)** Spruson & Ferguson

**TENCENT AMERICA LLC see Left Hand Robotics, Inc.**  
**(21)** 2022445031

**(71)** Terra Quantum AG  
**(11)** AU-A-2023201874  
**(21)** 2023201874 **(22)** 27.03.2023  
**(54)** NATURAL LANGUAGE PROCESSING BY MEANS OF A QUANTUM RANDOM NUMBER GENERATOR  
**(51)** Int. Cl.  
**G10L 15/183** ( 2013.01 )  
**B82Y 10/00** ( 2011.01 )  
**G06F 7/58** ( 2006.01 )  
**G06F 40/30** ( 2020.01 )  
**G06N 10/00** ( 2022.01 )  
**(31)** 22167932.7 **(32)** 12.04.22 **(33)** EP  
**(43)** 26.10.2023  
**(72)** LESOVIK, Gordey; MARCHENKO, Artemiy; VINOKOUR, Valerii; MALINOVSKII, Vladimir; KHORUZHII, Kirill; IGNATOV, Fedor; MATRENOK, Semen; KIRAKOSYAN, Davit; TEREN-TEV, Vladimir  
**(74)** Griffith Hack

**(71)** TERRY, M.  
**(11)** AU-A-2023202096  
**(21)** 2023202096 **(22)** 05.04.2023  
**(54)** Lifting Cradle  
**(51)** Int. Cl.  
**B66C 1/24** ( 2006.01 )  
**(31)** 2022900936 **(32)** 08.04.22 **(33)** AU  
**(43)** 26.10.2023  
**(72)** TERRY, Robin Matetu  
**(74)** WRAYS PTY LTD

**(71)** The Boeing Company  
**(11)** AU-A-2023202199  
**(21)** 2023202199 **(22)** 11.04.2023  
**(54)** No-back brake for a flight control actuation system and method  
**(51)** Int. Cl.  
**B64C 13/24** ( 2006.01 )  
**B64D 45/00** ( 2006.01 )  
**(31)** 18/064,347 **(32)** 12.12.22 **(33)** US  
 63/329,550 11.04.22 US  
**(43)** 26.10.2023  
**(72)** MEHRTENS, James A.; UNGAR, Lior  
**(74)** Spruson & Ferguson

**(71)** The Broad Institute, Inc.; Massachusetts Institute of Technology  
**(11)** AU-A-2023241391  
**(21)** 2023241391 **(22)** 06.10.2023  
**(54)** NOVEL CRISPR ENZYMES AND SYSTEMS  
**(51)** Int. Cl.  
**C12N 9/22** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 26.10.2023  
 (62) 2017253089  
 (72) Zhang, Feng; Zetsche, Bernd; Gao, Linyi; Slaymaker, Ian; Cox, David Benjamin Turitz  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) The Broad Institute, Inc.; Massachusetts Institute of Technology  
 (11) AU-A-2023241392  
 (21) 2023241392 (22) 06.10.2023  
 (54) CPF1 COMPLEXES WITH REDUCED INDEL ACTIVITY  
 (51) Int. Cl.  
     **C12N 9/22** ( 2006.01 )  
     **C12N 15/11** ( 2006.01 )  
     **C12N 15/113** ( 2010.01 )  
     **C12N 15/63** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2017253107  
 (72) Zhang, Feng; Zetsche, Bernd; Yan, Winston; Sanjana, Neville Espi; Jones, Sara  
 (74) PHILLIPS ORMONDE FITZPATRICK

**THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE see SOLIGENIX, INC.**  
 (21) 2023237223

(71) The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology; Inovio Pharmaceuticals, Inc.  
 (11) AU-A-2023237174  
 (21) 2023237174 (22) 29.09.2023  
 (54) Tert immunogenic compositions and methods of treatment using the same  
 (51) Int. Cl.  
     **A61K 38/10** ( 2006.01 )  
     **A61K 39/00** ( 2006.01 )  
     **A61P 35/00** ( 2006.01 )  
     **C07K 14/47** ( 2006.01 )  
     **C12N 9/12** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2017336088  
 (72) WEINER, David; YAN, Jian  
 (74) FB Rice Pty Ltd

**The Wistar Institute of Anatomy and Biology see The Trustees of the University of Pennsylvania**  
 (21) 2023237174

(71) Tönnes IS Patent Holding GmbH  
 (11) AU-A-2023241298  
 (21) 2023241298 (22) 04.10.2023  
 (54) Method and device for fitting a licence plate, preferably a motor vehicle licence plate, with a data carrier, and licence plate  
 (51) Int. Cl.  
     **G09F 21/04** ( 2006.01 )  
     **G09F 3/03** ( 2006.01 )  
     **G09F 3/20** ( 2006.01 )  
     **G09F 7/18** ( 2006.01 )

(43) 26.10.2023  
 (62) 2019286777  
 (72) BEENKEN, Björn; TÖNJES, Piet  
 (74) Griffith Hack

**Toshiba Energy Systems & Solutions Corporation see Kabushiki Kaisha Toshiba**  
 (21) 2023200351

(71) Transportation IP Holdings, LLC  
 (11) AU-A-2023201875  
 (21) 2023201875 (22) 28.03.2023  
 (54) IMAGE MAP GENERATING SYSTEMS AND METHODS  
 (51) Int. Cl.  
     **G06V 10/75** ( 2022.01 )  
     **G06Q 10/06** ( 2023.01 )  
     **G06T 7/10** ( 2017.01 )  
     **G06V 20/50** ( 2022.01 )  
 (31) 63/330,204 (32) 12.04.22 (33) US  
     18/181,027 09.03.23 US  
 (43) 26.10.2023  
 (72) Paul, Anthony D.; Karunaratne, Milan  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Trustees of Tufts College  
 (11) AU-A-2023241361  
 (21) 2023241361 (22) 06.10.2023  
 (54) System and method for making micro-needles  
 (51) Int. Cl.  
     **A61M 37/00** ( 2006.01 )  
     **B23K 26/00** ( 2014.01 )  
     **B29C 43/46** ( 2006.01 )  
 (43) 26.10.2023  
 (62) 2018420069  
 (72) NEJAD, Hojatollah Rezaei; SADEQI, Aydin; SONKUSALE, Sameer  
 (74) Spruson & Ferguson

(71) TStreet Pty Limited  
 (11) AU-A-2023202183  
 (21) 2023202183 (22) 11.04.2023  
 (54) Translation system  
 (51) Int. Cl.  
     **G06F 40/45** ( 2020.01 )  
     **G06F 16/955** ( 2019.01 )  
     **G06F 40/58** ( 2020.01 )  
     **G06K 19/06** ( 2006.01 )  
 (31) 2022900975 (32) 12.04.22 (33) AU  
 (43) 26.10.2023  
 (72) ALMOND, Benjamin Price  
 (74) Spruson & Ferguson

(71) Universität Bern  
 (11) AU-A-2023241362  
 (21) 2023241362 (22) 06.10.2023  
 (54) Chimeric opsin GPCR proteins  
 (51) Int. Cl.  
     **A61K 38/17** ( 2006.01 )  
     **A61K 48/00** ( 2006.01 )  
     **A61P 27/02** ( 2006.01 )

(43) 26.10.2023  
 (62) 2020392702  
 (72) KLEINLOGEL, Sonja; VAN WYK, Michiel  
 (74) Davies Collison Cave Pty Ltd

(71) Universite de Montreal  
 (11) AU-A-2023241382  
 (21) 2023241382 (22) 06.10.2023  
 (54) Compounds and use thereof in the expansion of stem cells and/or progenitor cells  
 (51) Int. Cl.  
     **C07D 495/04** ( 2006.01 )  
     **A61K 31/343** ( 2006.01 )  
     **A61K 31/381** ( 2006.01 )  
     **A61K 31/4355** ( 2006.01 )  
     **A61K 31/4365** ( 2006.01 )  
     **A61K 31/444** ( 2006.01 )  
     **A61K 31/4709** ( 2006.01 )  
     **A61K 31/4725** ( 2006.01 )  
     **A61K 31/501** ( 2006.01 )  
     **A61K 31/506** ( 2006.01 )  
     **C07D 333/70** ( 2006.01 )  
     **C07D 491/048** ( 2006.01 )  
     **C12N 5/02** ( 2006.01 )  
     **C12N 5/071** ( 2010.01 )  
     **C12N 5/0789** ( 2010.01 )

(43) 26.10.2023  
 (62) 2018361971  
 (72) SIMONEAU, Bruno; CHANTIGNY, Yves; YEH, Jonathan; SAUVAGEAU, Guy; MARINIER, Anne  
 (74) Griffith Hack

**University of Washington see PerkinElmer Health Sciences, Inc.**  
 (21) 2023241355

(71) Upshall, D.  
 (11) AU-A-2022202253  
 (21) 2022202253 (22) 04.04.2022  
 (54) RV Solar Stack  
 (51) Int. Cl.  
     **H02S 30/10** ( 2014.01 )  
     **H02S 20/00** ( 2014.01 )  
     **H02S 20/30** ( 2014.01 )  
     **B60R 9/04** ( 2006.01 )  
     **B60R 11/00** ( 2006.01 )  
 (43) 26.10.2023  
 (72) Upshall, David  
 (74) David Andrew Upshall

(71) VMware, Inc.  
 (11) AU-A-2023241347  
 (21) 2023241347 (22) 05.10.2023  
 (54) Providing services with guest VM mobility  
 (51) Int. Cl.  
     **G06F 9/50** ( 2006.01 )  
     **G06F 9/455** ( 2018.01 )  
 (43) 26.10.2023  
 (62) 2020224067  
 (72) MISHRA, Rahul; LECUYER, Camille; GOKHALE, Saahil; NAIR, Rajeev; CHALVADI, Anuprem; PING, Yang;

Applications Open to Public Inspection - Name Index cont'd

MUNDARAGI, Kantesh; ROLANDO,  
Pierluigi; JAIN, Jayant; KOGANTY, Raju  
(74) FB Rice Pty Ltd

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(71) W. L. Gore & Associates, Inc.  
(11) AU-A-2023241301  
(21) 2023241301 (22) 04.10.2023  
(54) Expandable sheath  
(51) Int. Cl.  
A61F 2/24 ( 2006.01 )  
A61M 25/01 ( 2006.01 )  
A61M 25/00 ( 2006.01 )

(43) 26.10.2023  
(62) 2020261933  
(72) BROYLES, Michael R.; HAARER,  
Joshua C.; HOUGE, Reed A.; SHAW,  
Edward E.  
(74) Griffith Hack

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(71) Wang, H.  
(11) AU-A-2023202042  
(21) 2023202042 (22) 03.04.2023  
(54) Coded push block  
(51) Int. Cl.  
B27B 25/10 ( 2006.01 )  
(31) 17/716,750 (32) 08.04.22 (33) US  
(43) 26.10.2023  
(72) Wang, Henry  
(74) Spruson & Ferguson

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(71) Weatherford Technology Holdings, LLC  
(11) AU-A-2023237218  
(21) 2023237218 (22) 02.10.2023  
(54) Spiders Capable Of Handling Well  
Components Of Multiple Sizes  
(51) Int. Cl.  
E21B 19/10 ( 2006.01 )  
E21B 19/24 ( 2006.01 )  
(43) 26.10.2023  
(62) 2021244291  
(72) AMEZAGA, Federico  
(74) WRAYS PTY LTD

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(71) West, R.; Robertson, B.  
(11) AU-A-2023202050  
(21) 2023202050 (22) 04.04.2023  
(54) COVER CROPPING DEVICE AND  
METHOD  
(51) Int. Cl.  
A01C 7/06 ( 2006.01 )  
A01M 7/00 ( 2006.01 )  
B62D 49/06 ( 2006.01 )  
(31) 63/328,380 (32) 07.04.22 (33) US  
(43) 26.10.2023  
(72) West, Robert; Robertson, Brett  
(74) Minter Ellison

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(71) White Swell Medical Ltd  
(11) AU-A-2023241280  
(21) 2023241280 (22) 04.10.2023  
(54) Systems and methods for reducing  
pressure at an outflow of a duct  
(51) Int. Cl.  
A61B 17/12 ( 2006.01 )  
A61M 1/34 ( 2006.01 )  
A61M 1/36 ( 2006.01 )

A61M 25/00 ( 2006.01 )  
A61M 25/04 ( 2006.01 )  
(43) 26.10.2023  
(62) 2018228389  
(72) NITZAN, Yaacov; YACOBY, Menashe;  
RAZ, Sagi; CHEN, Shani; INBAR, Or  
(74) Spruson & Ferguson

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Ynsect see Cargill, Incorporated  
(21) 2023241292

Numerical Index

2022202253	Upshall, D.	2023202178	QINGDAO JKL PACKING CO., LTD
2022202290	Integrant Pty Ltd	2023202183	TStreet Pty Limited
2022202319	ESKANDER, S.; GHOSSAIN, R.	2023202186	Nuheara IP Pty Ltd
2022202380	Next Generation AI Pty Ltd	2023202192	Inspired Living Developments Pty Ltd
2022202388	Olitek Pty Ltd	2023202196	MAX CO., LTD.
2022202397	Caterpillar Underground Mining Pty Ltd	2023202197	Techtronic Cordless GP
2022203219	Cardosa II, J.	2023202199	The Boeing Company
2022203990	Beijing FlowCloud Data Technology Co., Ltd.	2023202200	Beijing Tusen Zhitu Technology Co., Ltd.
2022224807	Camps Worldwide Pty Limited	2023202205	Schneider Electric Industries SAS
2022228200	Solid Automotive Group	2023202207	Schneider Electric Industries SAS
2022263905	Beijing Baidu Netcom Science Technology Co., Ltd.	2023202209	Malema Engineering Corporation
2022268394	Chon, U.	2023202210	MAX CO., LTD.
2022423923	FURUKAWA ELECTRIC CO., LTD.	2023202213	Schneider Electric Industries SAS
2022423924	BIOPROTON PTY LTD	2023202215	Schneider Electric Industries SAS
2022445031	Left Hand Robotics, Inc.; TENCENT AMERICA LLC	2023202222	Lion (Aust) Consolidated Pty. Ltd.
2023200351	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation	2023202229	Ideate Developments Pty Ltd
2023200684	Karl Leibinger Medizintechnik GmbH & Co. KG	2023202248	Schock GmbH
2023200853	Sungrow Renewables Development Co. Ltd.	2023202249	Schock GmbH
2023201319	Deere & Company	2023202269	Paragon 28, Inc.
2023201320	Deere & Company	2023202270	Techtronic Cordless GP
2023201321	Deere & Company	2023204569	Eli Lilly and Company
2023201331	Targus International LLC	2023214299	Medikine, Inc.
2023201718	Hilton, B.	2023219938	Seres Therapeutics, Inc.
2023201728	Instrumentation Laboratory Company	2023237109	Huawei Technologies Co., Ltd.
2023201791	Melville Equipment Corp. Pty Ltd	2023237125	Institut National de la Santé et de la Recherche Médicale; Association Institut de Myologie; Sorbonne Université; Centre National de la Recherche Scientifique
2023201798	Daifuku Co., Ltd.	2023237156	Mofid, M.
2023201801	Aesculap AG	2023237171	John Mezzalingua Associates, LLC
2023201806	Berger Holding GmbH & Co. KG	2023237174	The Trustees of the University of Pennsylvania; The Wistar Institute of Anatomy and Biology; Inovio Pharmaceuticals, Inc.
2023201810	GE Energy Power Conversion Technology Limited	2023237193	Cedars-Sinai Medical Center
2023201812	Deere & Company	2023237196	Janssen Biotech, Inc.
2023201834	CATERPILLAR PAVING PRODUCTS INC.	2023237204	Angel Group Co., Ltd.
2023201839	Prysmian S.p.A.	2023237206	Fisher & Paykel Healthcare Limited
2023201851	Prysmian S.p.A.	2023237207	Anduril Industries, Inc.
2023201853	Supracor, Inc.	2023237208	Fisher and Paykel Healthcare Limited
2023201874	Terra Quantum AG	2023237209	Perenti Outdoor Tools Pty Ltd
2023201875	Transportation IP Holdings, LLC	2023237212	Duess IP Pty Ltd
2023201877	Aristocrat Technologies, Inc.	2023237214	BCG Partners, Inc.; Sweeting, M.; Noviello, J.; Lutnick, H.
2023201881	King, G.	2023237215	Schreder S.A.
2023201884	Rolls-Royce plc	2023237216	Amgen Inc.; Amgen Research (Munich) GmbH
2023201890	Love, D.	2023237217	F. Hoffmann-La Roche AG; Genentech, Inc.
2023201904	Seminis Vegetable Seeds, Inc.	2023237218	Weatherford Technology Holdings, LLC
2023201940	Schneider Electric Industries SAS	2023237223	SOLIGENIX, INC.; THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE
2023201961	Procare UK Limited	2023237224	DNA Genotek Inc.
2023201986	DRAEGER SAFETY AG & CO. KGAA	2023238237	Haemonetics Corporation
2023202027	Bench 101 Pty Ltd	2023239625	CBD Corporation Pty Ltd
2023202029	Schneider Electric Industries SAS	2023241270	Sunfolding, Inc.
2023202030	Schneider Electric Industries SAS	2023241273	Revolution Medicines, Inc.
2023202037	Snap-On Incorporated	2023241274	Cabinplant International A/S
2023202041	SEEDPOND PTY LTD	2023241276	Angel Group Co., Ltd.
2023202042	Wang, H.	2023241277	JRSK, Inc.
2023202044	SECURITYMETRICS, INC.	2023241279	Hadal, Inc.
2023202049	Techtronic Cordless GP	2023241280	White Swell Medical Ltd
2023202050	West, R.; Robertson, B.	2023241281	MANGROVE WATER TECHNOLOGIES LTD
2023202060	Lotus Folding Walls & Doors Pty Ltd	2023241282	Reliance Worldwide Corporation
2023202074	Schneider Electric Industries SAS	2023241284	Fisher & Paykel Healthcare Limited
2023202094	Cummins Inc. (EBU)	2023241285	CareFusion 2200, Inc.
2023202096	TERRY, M.	2023241286	QED Labs Inc.
2023202103	Milton Roy, LLC	2023241287	Hager-Electro SAS
2023202126	Goetsch, D.	2023241289	Premier Biotech, Inc.
2023202136	Rolls-Royce plc	2023241291	AI21 Labs
2023202141	Rolls-Royce plc	2023241292	Cargill, Incorporated; Ynsect
2023202154	Glass Expansion Pty. Limited		
2023202163	Framy Inc.		
2023202165	Crossford International LLC		
2023202166	Crossford International LLC		
2023202167	Crossford International LLC		
2023202168	Crossford International LLC		

Applications Open to Public Inspection - Numerical Index cont'd

2023241295	Bayer HealthCare LLC	2023241386	HiFiBiO SAS
2023241296	Russell Investments Group, LLC	2023241387	Arm West, LLC
2023241297	Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd.	2023241388	Aristocrat Technologies Australia Pty Limited
2023241298	Tönnjes ISI Patent Holding GmbH	2023241390	Ojai Retinal Technology, LLC
2023241299	Komatsu Ltd.	2023241391	The Broad Institute, Inc.; Massachusetts Institute of Technology
2023241300	Metso Sweden AB	2023241392	The Broad Institute, Inc.; Massachusetts Institute of Technology
2023241301	W. L. Gore & Associates, Inc.	2023241393	Commonwealth Scientific and Industrial Research Organisation
2023241302	CaaMTech, Inc.	2023241395	Pear Therapeutics (US), Inc.
2023241303	Allergan Industrie, SAS	2023241396	Pear Therapeutics (US), Inc.; Novartis AG
2023241304	Schneider Electric (Australia) Pty Limited	2023241398	Khoros, LLC; Shane Jackson DAVIS; Jessica Marie WOODS; Adam Levi PONCHER
2023241308	GCE Holding AB	2023241399	Nicoventures Trading Limited
2023241309	Amgen Inc.	2023241401	CFPH, LLC
2023241310	CaaMTech, Inc.	2023242247	Aristocrat Technologies Australia Pty Limited
2023241312	Itron Networked Solutions, Inc.	2023243054	Google LLC
2023241313	Gigglicious, LLC	2023247465	Klabin S/A
2023241314	JGC Corporation	2023248047	Packsize LLC
2023241316	Epizyme, Inc.	2023248048	Deciphera Pharmaceuticals, LLC
2023241317	Abiomed, Inc.	2023248050	Guardant Health, Inc.
2023241320	BioNTech US Inc.	2023248051	Clawson, J.
2023241321	Seattle Children's Hospital (dba Seattle Children's Research Institute)	2023248055	RAI Strategic Holdings, Inc.
2023241322	Nilo Limited	2023248058	Australian Conveyor Components Pty Limited
2023241323	Clara Diamond Solutions Limited Partnership	2023248059	FTS Kabushiki Kaisha
2023241324	LG Electronics Inc.	2023248062	Janus Electric Pty Ltd
2023241325	Schneider Electric (Australia) Pty Limited	2023248063	Stryker Corporation
2023241327	Duke University	2023248065	MARA RENEWABLES CORPORATION
2023241328	Beam Alpha, Inc.	2023248068	Huawei Technologies Co., Ltd.
2023241329	LB Pharmaceuticals Inc.		
2023241330	LivePerson, Inc.		
2023241331	Huawei Technologies Co., Ltd.		
2023241332	Netafim Ltd		
2023241333	Agriculture Victoria Services Pty Ltd		
2023241334	CaaMTech, Inc.		
2023241335	River Stone Biotech, LLC		
2023241336	Mars Sciences Limited		
2023241337	Nexttracker LLC		
2023241338	FISHER & PAYKEL HEALTHCARE LIMITED		
2023241339	Nicoventures Trading Limited		
2023241340	Piscitelli, M.		
2023241343	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.		
2023241344	Google LLC		
2023241346	Boston Scientific Scimed, Inc.		
2023241347	VMware, Inc.		
2023241348	Axiflux Holdings Pty Ltd		
2023241351	Kakadu R & D Pty Ltd		
2023241352	Mitsubishi Electric Corporation		
2023241355	PerkinElmer Health Sciences, Inc.; University of Washington		
2023241358	Angel Group Co., Ltd.		
2023241359	Kumanu, Inc.		
2023241360	Fisher & Paykel Healthcare Limited		
2023241361	Trustees of Tufts College		
2023241362	Universität Bern		
2023241363	Edwards Lifesciences Corporation		
2023241364	Modular Mining Systems, Inc.		
2023241365	HKG Epitherapeutics Limited		
2023241366	LG Electronics Inc.		
2023241368	Deciphera Pharmaceuticals, LLC		
2023241369	Deep Brain Innovations LLC		
2023241370	Apple Inc.		
2023241371	Gen-Probe Incorporated		
2023241372	Gen-Probe Incorporated		
2023241373	Revance Therapeutics, Inc.		
2023241374	Edwards Lifesciences Corporation		
2023241376	Calderon Agudo, O.		
2023241380	Neurovigil, Inc.		
2023241381	Johnson & Johnson Consumer Inc.		
2023241382	Universite de Montreal		
2023241384	LivePerson, Inc.		
2023241385	Gen-Probe Incorporated		

IPC Index

<b>A01B 69 /-</b> 2023201812	<b>A45C 5 /-</b> 2023241277	2023241329 2023241368 2023241382 2023248048	<b>A61M 16 /-</b> 2023237206 2023237208 2023241284 2023241338 2023241360	<b>A63F 1 /-</b> 2023241276	<b>B29C 44 /-</b> 2023241324
<b>A01C 7 /-</b> 2023202050	<b>A45D 24 /-</b> 2023201961	<b>A61K 35 /-</b> 2023219938 2023241321	<b>A61M 25 /-</b> 2023241280 2023241285 2023241301	<b>A63F 13 /-</b> 2023241401 2023242247	<b>B32B 17 /-</b> 2023202041
<b>A01D 1 /-</b> 2023237209	<b>A47B 13 /-</b> 2023202027	<b>A61K 38 /-</b> 2022202290 2023237174 2023241320 2023241321 2023241362	<b>A61M 37 /-</b> 2023241361	<b>A63F 3 /-</b> 2023241276 2023242247	<b>B32B 29 /-</b> 2023247465
<b>A01D 41 /-</b> 2023201812	<b>A47B 21 /-</b> 2023202037	<b>A61K 39 /-</b> 2023204569 2023237174 2023237196 2023237217 2023237223 2023241320 2023241321 2023241373	<b>A61M 5 /-</b> 2023241295 2023241309 2023241373	<b>B01D 17 /-</b> 2023237224	<b>B32B 5 /-</b> 2023202041
<b>A01D 45 /-</b> 2023201319	<b>A47B 25 /-</b> 2023241358	<b>A61K 45 /-</b> 2023237217 2023241368 2023248048	<b>A61M 60 /-</b> 2023241317	<b>B01D 53 /-</b> 2023241393	<b>B44D 3 /-</b> 2022203219
<b>A01D 69 /-</b> 2023201320 2023201321	<b>A47B 37 /-</b> 2023202027	<b>A61K 47 /-</b> 2023237223	<b>A61M 1 /-</b> 2023241369	<b>B01D 61 /-</b> 2023241281	<b>B60C 23 /-</b> 2023201812
<b>A01G 25 /-</b> 2023241332	<b>A47B 5 /-</b> 2023202027	<b>A61K 48 /-</b> 2023241362	<b>A61M 5 /-</b> 2023241390	<b>B01J 13 /-</b> 2023241292	<b>B60J 1 /-</b> 2022224807
<b>A01G 3 /-</b> 2023237209	<b>A47C 7 /-</b> 2023201853	<b>A61K 49 /-</b> 2022202290 2023237217 2023237223 2023241310 2023241368 2023248048	<b>A61M 19 /-</b> 2022202290	<b>B01J 20 /-</b> 2023241393	<b>B60K 6 /-</b> 2023241348
<b>A01H 6 /-</b> 2023201904	<b>A47L 13 /-</b> 2022203219	<b>A61K 8 /-</b> 2023241303 2023241373 2023241381	<b>A61M 1 /-</b> 2023241369	<b>B01L 3 /-</b> 2023241289 2023241386	<b>B60L 50 /-</b> 2023201320 2023201321
<b>A01K 85 /-</b> 2023202229	<b>A61B 1 /-</b> 2023241346	<b>A61K 8 /-</b> 2023241303 2023241373 2023241381	<b>A61M 5 /-</b> 2023241390	<b>B01L 3 /-</b> 2023241289 2023241386	<b>B60L 53 /-</b> 2023248062
<b>A01M 7 /-</b> 2023202050	<b>A61B 17 /-</b> 2023200684 2023202269 2023241280	<b>A61K 9 /-</b> 2022202290 2023237217 2023237223 2023241310 2023241368 2023248048	<b>A61P 1 /-</b> 2023241373	<b>B07C 5 /-</b> 2023241274	<b>B60P 1 /-</b> 2022202397 2023202126 2023241300
<b>A22C 17 /-</b> 2023241274	<b>A61B 5 /-</b> 2023201801 2023241284 2023241380 2023248050	<b>A61K 47 /-</b> 2023237223	<b>A61P 17 /-</b> 2023241373	<b>B08B 1 /-</b> 2022203219	<b>B60P 7 /-</b> 2023202222
<b>A23K 10 /-</b> 2023241292	<b>A61B 6 /-</b> 2022202380	<b>A61K 8 /-</b> 2023241303 2023241373 2023241381	<b>A61P 19 /-</b> 2022202290	<b>B21F 15 /-</b> 2023202210	<b>B60Q 9 /-</b> 2022202319
<b>A23K 20 /-</b> 2022423924	<b>A61B 8 /-</b> 2023241376	<b>A61K 9 /-</b> 2022202290 2023237217 2023237223 2023241310 2023241368 2023248048	<b>A61P 25 /-</b> 2023241373	<b>B23D 57 /-</b> 2023202270	<b>B60R 11 /-</b> 2022202253
<b>A23K 40 /-</b> 2023241292	<b>A61B 90 /-</b> 2023201801	<b>A61K 8 /-</b> 2023241303 2023241373 2023241381	<b>A61P 27 /-</b> 2023241362	<b>B23D 59 /-</b> 2023202270	<b>B60R 13 /-</b> 2023241300
<b>A23K 50 /-</b> 2023241292	<b>A61F 2 /-</b> 2022202290 2023200684 2023201801 2023241301 2023241363 2023241374 2023248063	<b>A61K 9 /-</b> 2022202290 2023237217 2023237223 2023241310 2023241368 2023248048	<b>A61P 31 /-</b> 2023237223	<b>B23K 26 /-</b> 2023241361	<b>B60R 9 /-</b> 2022202253
<b>A23L 29 /-</b> 2022423924 2023241292	<b>A61F 9 /-</b> 2023241390	<b>A61L 15 /-</b> 2023237156	<b>A61P 35 /-</b> 2023214299 2023237174 2023237217 2023241273 2023241316 2023241368 2023248048	<b>B25C 11 /-</b> 2023201791	<b>B60R 9 /-</b> 2022202253
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<b>A24F 40 /-</b> 2023241339 2023241399	<b>A61K 5 /-</b> 2023201853	<b>A61M 13 /-</b> 2023237208	<b>A61P 39 /-</b> 2023237223	<b>B29C 33 /-</b> 2023202248 2023202249	<b>B64C 13 /-</b> 2023202199
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					<b>B64F 1 /-</b> 2023201884



Applications Open to Public Inspection - IPC Index cont'd

<b>B65D 25 /-</b> 2022203219 2023202178	<b>C07D 409 /-</b> 2023241316	2023241392	<b>E02D 31 /-</b> 2023200853	<b>F16G 11 /-</b> 2023201851	<b>G01L 1 /-</b> 2023200351
<b>B65D 43 /-</b> 2022203219	<b>C07D 413 /-</b> 2023241316	<b>C12N 5 /-</b> 2023237193 2023241382	<b>E02D 5 /-</b> 2023200853	<b>F16K 31 /-</b> 2023201806	<b>G01L 5 /-</b> 2023200351
<b>B65D 5 /-</b> 2023202178	<b>C07D 417 /-</b> 2023241316	<b>C12N 9 /-</b> 2023237174 2023241333 2023241334 2023241335 2023241391 2023241392	<b>E02F 3 /-</b> 2023201834	<b>F16L 21 /-</b> 2023241282	<b>G01M 11 /-</b> 2022423923
<b>B65D 85 /-</b> 2023202178	<b>C07D 487 /-</b> 2023241302	<b>C12P 13 /-</b> 2023241335	<b>E02F 9 /-</b> 2023201834	<b>F16L 29 /-</b> 2023241282	<b>G01N 1 /-</b> 2023237224 2023241289
<b>B65G 45 /-</b> 2023202165 2023202166 2023202167 2023202168 2023248058	<b>C07D 491 /-</b> 2023241316 2023241382	<b>C12P 17 /-</b> 2023241335	<b>E04B 1 /-</b> 2023202060	<b>F16L 37 /-</b> 2023241282	<b>G01N 21 /-</b> 2023202154
<b>B65G 59 /-</b> 2023201798	<b>C07D 495 /-</b> 2023241382	<b>C12P 23 /-</b> 2022423924	<b>E04G 21 /-</b> 2023201890	<b>F16L 9 /-</b> 2023241332	<b>G01N 33 /-</b> 2023201728 2023201986 2023241289 2023241327 2023241355 2023241386 2023248050
<b>B65G 60 /-</b> 2023201798	<b>C07D 498 /-</b> 2023241273	<b>C12P 7 /-</b> 2023241335 2023248065	<b>E04G 5 /-</b> 2023201890	<b>F21S 8 /-</b> 2023237215	<b>G01R 33 /-</b> 2023241336
<b>B66C 1 /-</b> 2023202096	<b>C07D 519 /-</b> 2023241273	<b>C12Q 1 /-</b> 2023201728 2023237224 2023241355 2023241365 2023241371 2023241372 2023241385	<b>E05B 47 /-</b> 2023202037	<b>F21V 29 /-</b> 2023237215	<b>G01S 1 /-</b> 2023241364
<b>B66F 9 /-</b> 2023202126	<b>C07H 15 /-</b> 2023241355	<b>E05D 15 /-</b> 2023241297	<b>E05D 3 /-</b> 2023241297	<b>F21V 5 /-</b> 2023237215	<b>G01S 13 /-</b> 2023237207
<b>B67D 7 /-</b> 2023239625	<b>C07K 14 /-</b> 2022423924 2023214299 2023237174 2023241320 2023241321	<b>E06B 7 /-</b> 2022224807	<b>E06C 1 /-</b> 2023202192	<b>F21Y 105 /-</b> 2023237215	<b>G01S 17 /-</b> 2023237207
<b>B82Y 10 /-</b> 2023201874	<b>C07K 16 /-</b> 2023204569 2023237196 2023237216 2023237217 2023241320 2023241321	<b>E06C 7 /-</b> 2023202192	<b>E06C 9 /-</b> 2023202192	<b>F21Y 115 /-</b> 2023237215	<b>G01S 5 /-</b> 2023201834
<b>C01B 25 /-</b> 2022268394	<b>C07K 16 /-</b> 2023204569 2023237196 2023237216 2023237217 2023241320 2023241321	<b>E06C 7 /-</b> 2023202192	<b>E21B 19 /-</b> 2023237218	<b>F24F 11 /-</b> 2023201806	<b>G01S 17 /-</b> 2023237207
<b>C01B 33 /-</b> 2023241393	<b>C07K 4 /-</b> 2023241320	<b>E21C 41 /-</b> 2022202388	<b>E21B 19 /-</b> 2023237218	<b>F25D 23 /-</b> 2023241297 2023241324 2023241366	<b>G02B 6 /-</b> 2022423923 2023241340
<b>C01D 15 /-</b> 2023241281	<b>C08B 37 /-</b> 2023241303	<b>E21D 7 /-</b> 2023202192	<b>E21C 41 /-</b> 2022202388	<b>F28F 13 /-</b> 2023202094	<b>G05B 13 /-</b> 2022202397
<b>C02F 1 /-</b> 2023237224 2023239625	<b>C08B 37 /-</b> 2023241303	<b>E21D 7 /-</b> 2023202192	<b>E21C 41 /-</b> 2022202388	<b>F41A 15 /-</b> 2023241387	<b>G05B 19 /-</b> 2022202397
<b>C07C 15 /-</b> 2023241368 2023248048	<b>C08G 77 /-</b> 2023241393	<b>E21F 11 /-</b> 2023202192	<b>E21D 7 /-</b> 2023202192	<b>F41A 3 /-</b> 2023241387	<b>G05D 1 /-</b> 2023237207
<b>C07C 237 /-</b> 2023241381	<b>C08J 11 /-</b> 2023241322	<b>E21F 11 /-</b> 2023202192	<b>E21F 11 /-</b> 2023202192	<b>F41A 5 /-</b> 2023241387	<b>G05D 3 /-</b> 2022202397
<b>C07D 207 /-</b> 2023241329	<b>C08J 3 /-</b> 2023241303	<b>D01D 1 /-</b> 2023241286	<b>F02C 3 /-</b> 2023202136 2023202141	<b>F41H 11 /-</b> 2023237207	<b>G05D 7 /-</b> 2022202397
<b>C07D 213 /-</b> 2023241316	<b>C08J 9 /-</b> 2023241393	<b>D01D 5 /-</b> 2023241286	<b>F02C 7 /-</b> 2023202094	<b>F42B 3 /-</b> 2022202388	<b>G06F 1 /-</b> 2023201331
<b>C07D 333 /-</b> 2023241382	<b>C11B 1 /-</b> 2023248065	<b>D21F 11 /-</b> 2023247465	<b>F02C 9 /-</b> 2023202136 2023202141	<b>F42D 1 /-</b> 2022202388	<b>G06F 11 /-</b> 2023202167
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		<b>E01B 29 /-</b> 2023201791	<b>F04D 29 /-</b> 2023241352	<b>G01F 5 /-</b> 2023201986	
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		<b>E01F 13 /-</b> 2022202319			
		<b>E01H 5 /-</b> 2023202049			

Applications Open to Public Inspection - IPC Index cont'd

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<b>G06F 7 /-</b> 2023201874	<b>G08B 3 /-</b> 2023237212	<b>H01H 1 /-</b> 2023202029 2023202207 2023202213	<b>H02S 30 /-</b> 2022202253	<b>H04W 92 /-</b> 2023237171
<b>G06F 9 /-</b> 2023241347	<b>G08C 17 /-</b> 2022202319	<b>H01H 13 /-</b> 2023202215	<b>H03K 3 /-</b> 2023201810	<b>H05H 1 /-</b> 2023202103
<b>G06K 19 /-</b> 2023202183 2023237204	<b>G08C 23 /-</b> 2023200351	<b>H01H 23 /-</b> 2023202030 2023241304 2023241325	<b>H04B 10 /-</b> 2023200351	<b>H05K 5 /-</b> 2023201940
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			<b>H04W 4 /-</b> 2022202319	

PCT applications which have entered the National Phase

Name Index

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

<p>(71) 3M INNOVATIVE PROPERTIES COMPANY (11) AU-A-2021439656 (21) 2021439656 (22) 08.04.2021 (54) FILTER CARTRIDGE AND FILTER HAVING SAME (51) Int. Cl. <i>B01D 29/50</i> ( 2006.01 ) <i>C02F 1/00</i> ( 2023.01 ) (87) WO2022/213309 (43) 13.10.2022 (72) QIU, Biyong (74) FPA Patent Attorneys Pty Ltd</p>	<p>(43) 13.10.2022 (72) DÍAZ-FERNÁNDEZ, José Luis; AL-MANSA-ROSALES, Carmen; CHRISTMANN, Ute (74) Madderns Pty Ltd</p>	<p>(54) SURGICAL CUTTING GUIDE (51) Int. Cl. <i>A61B 17/15</i> ( 2006.01 ) (87) WO2022/229369 (31) 21171090.0 (32) 29.04.21 (33) EP (43) 03.11.2022 (72) GIROUARD, Christophe; MOUSSA, Saïd (74) Davies Collison Cave Pty Ltd</p>
<p>(71) 3M INNOVATIVE PROPERTIES COMPANY (11) AU-A-2021440046 (21) 2021440046 (22) 08.04.2021 (54) FILTER HEAD, FILTER AND FILTER ASSEMBLY (51) Int. Cl. <i>B01D 35/30</i> ( 2006.01 ) <i>C02F 1/44</i> ( 2023.01 ) (87) WO2022/213310 (43) 13.10.2022 (72) QIU, Biyong; ZHENG, Dian; KRAGNESS, Jon (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) ADA COSMETICS INTERNATIONAL GMBH (11) AU-A-2022260114 (21) 2022260114 (22) 20.04.2022 (54) WALL-MOUNTED DISPENSER (51) Int. Cl. <i>A47K 5/12</i> ( 2006.01 ) (87) WO2022/223571 (31) 20 2021 102 144.6 (32) 21.04.21 (33) DE 20 2021 102 840.8 25.05.21 DE 10 2021 126 809.5 15.10.21 DE (43) 27.10.2022 (72) SCHMIDT, Johannes; CEPIN, Mitja (74) KINGS PATENT &amp; TRADE MARKS ATTORNEYS PTY LTD</p>	<p>(71) AETHER MASK, LLC (11) AU-A-2022238470 (21) 2022238470 (22) 18.03.2022 (54) MASK WITH ANTI-FOGGING CONSTRUCTION (51) Int. Cl. <i>A41D 13/11</i> ( 2006.01 ) (87) WO2022/198103 (31) 63/163,665 (32) 19.03.21 (33) US (43) 22.09.2022 (72) ADKINS, Michael; DAVIDSON, Philip A.; JOHNSON, Mykell; PETERSON, Spencer (74) Andrew John Morton</p>
<p>(71) ABBVIE INC. (11) AU-A-2022317803 (21) 2022317803 (22) 27.07.2022 (54) ANTI-CCR8 ANTIBODIES (51) Int. Cl. <i>C07K 16/28</i> ( 2006.01 ) <i>A61P 35/00</i> ( 2006.01 ) (87) WO2023/010054 (31) 63/226,118 (32) 27.07.21 (33) US (43) 02.02.2023 (72) MCCLUSKEY, Andrew, J.; SCHMIDT PAUSTIAN, Amanda, M.; SEAGAL, Jane; WILSBACHER, Julie, L. (74) Spruson &amp; Ferguson</p>	<p>(71) ADARX PHARMACEUTICALS, INC. (11) AU-A-2022257002 (21) 2022257002 (22) 13.04.2022 (54) RNA SILENCING AGENTS AND METHODS OF USE (51) Int. Cl. <i>C07H 21/04</i> ( 2006.01 ) <i>A61K 31/7105</i> ( 2006.01 ) <i>A61K 31/713</i> ( 2006.01 ) <i>A61K 48/00</i> ( 2006.01 ) (87) WO2022/221457 (31) 63/174,507 (32) 13.04.21 (33) US (43) 20.10.2022 (72) LI, Zhen; ZHOU, Zhiqing (Joel) (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(71) AFRICAN RAINBOW MINERALS LIMITED (11) AU-A-2022247395 (21) 2022247395 (22) 31.03.2022 (54) TREATMENT OF HYDROUS ORE MATERIALS (51) Int. Cl. <i>C22B 1/00</i> ( 2006.01 ) <i>C22B 3/04</i> ( 2006.01 ) <i>C22B 3/26</i> ( 2006.01 ) <i>C22B 3/44</i> ( 2006.01 ) <i>C22B 15/00</i> ( 2006.01 ) (87) WO2022/208429 (31) 2027874 (32) 31.03.21 (33) NL (43) 06.10.2022 (72) PRETORIUS, Gerard (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd</p>
<p>(71) ACONDICIONAMIENTO TERRASSENSE (11) AU-A-2022252951 (21) 2022252951 (22) 06.04.2022 (54) NEW (HOMO)PIPERIDINYL HETEROCYCLES AS SIGMA LIGANDS (51) Int. Cl. <i>C07D 413/14</i> ( 2006.01 ) <i>A61K 31/506</i> ( 2006.01 ) <i>A61P 25/00</i> ( 2006.01 ) <i>A61P 29/00</i> ( 2006.01 ) <i>C07D 491/10</i> ( 2006.01 ) (87) WO2022/214531 (31) 21382291.9 (32) 07.04.21 (33) EP</p>	<p>(71) ADS THERAPEUTICS LLC (11) AU-A-2022258105 (21) 2022258105 (22) 31.03.2022 (54) ALPHA2 ADRENERGIC AGONIST CODRUGS CONJUGATED WITH MUSCARINIC AGONIST DRUGS (51) Int. Cl. <i>A61K 31/4174</i> ( 2006.01 ) <i>A61K 31/4164</i> ( 2006.01 ) <i>A61P 27/02</i> ( 2006.01 ) (87) WO2022/221071 (31) 63/176,149 (32) 16.04.21 (33) US 63/272,134 26.10.21 US (43) 20.10.2022 (72) FANG, Wenkui Ken; NI, Jinsong; YANG, Rong; DINH, Van (74) WRAYS PTY LTD</p>	<p>(71) AGENUS INC. (11) AU-A-2022271331 (21) 2022271331 (22) 04.05.2022 (54) ANTI-TIGIT ANTIBODIES, ANTI-CD96 ANTIBODIES, AND METHODS OF USE THEREOF (51) Int. Cl. <i>A61K 39/395</i> ( 2006.01 ) <i>A61P 35/00</i> ( 2006.01 ) (87) WO2022/236276 (31) 63/201,537 (32) 04.05.21 (33) US (43) 10.11.2022 (72) CHAND, Dhan Sidhartha; JAWAD, Zahra; IGNATOVICH, Olga; RAMSAY, Nicola Anne; CAMPBELL, Spencer; WENSLEY, Beth; BRIEND, Emmanuel Cyrille Pascal; BUSHHELL, K. Mark;</p>
<p>(71) AESCULAP AG (11) AU-A-2022263627 (21) 2022263627 (22) 29.04.2022</p>	<p>(71) AESCULAP AG (11) AU-A-2022263627 (21) 2022263627 (22) 29.04.2022</p>	<p>(71) AGENUS INC. (11) AU-A-2022271331 (21) 2022271331 (22) 04.05.2022 (54) ANTI-TIGIT ANTIBODIES, ANTI-CD96 ANTIBODIES, AND METHODS OF USE THEREOF (51) Int. Cl. <i>A61K 39/395</i> ( 2006.01 ) <i>A61P 35/00</i> ( 2006.01 ) (87) WO2022/236276 (31) 63/201,537 (32) 04.05.21 (33) US (43) 10.11.2022 (72) CHAND, Dhan Sidhartha; JAWAD, Zahra; IGNATOVICH, Olga; RAMSAY, Nicola Anne; CAMPBELL, Spencer; WENSLEY, Beth; BRIEND, Emmanuel Cyrille Pascal; BUSHHELL, K. Mark;</p>

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

MORIN, Benjamin Maxime; ILKOW, Veronica Franciszka <b>(74)</b> Davies Collison Cave Pty Ltd	2021221796 <b>(43)</b> 15.09.2022 <b>(72)</b> CHATFIELD, Raymond; HAGGERTY, Brian <b>(74)</b> WRAYS PTY LTD	25.08.21 AU	<b>(43)</b> 15.09.2022 <b>(72)</b> RIBEIRO, Miguel Faria; GOUNOU, Franck; CANOVAS VIDAL, Carmen; ALARCON HEREDIA, Aixa <b>(74)</b> FPA Patent Attorneys Pty Ltd
<b>(71)</b> AGROVENTURES S.R.L. <b>(11)</b> AU-A-2022259046 <b>(21)</b> 2022259046 <b>(22)</b> 11.04.2022 <b>(54)</b> NEW YEAST STRAIN AND ITS USES FOR THE CONTROL OF PHYTO-PATHOGENS <b>(51)</b> Int. Cl. <b>C12N 1/16</b> ( 2006.01 ) <b>A01N 63/32</b> ( 2020.01 ) <b>(87)</b> WO2022/219505 <b>(31)</b> 10202100009128 <b>(32)</b> 12.04.21 <b>(33)</b> IT <b>(43)</b> 20.10.2022 <b>(72)</b> CASTORIA, Raffaello; DE CICCO, Vincenzo; DE CURTIS, Filippo; FOLCHI, Bruno; IANIRI, Giuseppe; LIMA, Giuseppe; PALMIERI, Davide <b>(74)</b> PHILLIPS ORMONDE FITZPATRICK	<b>(71)</b> ALD VACUUM TECHNOLOGIES GMBH <b>(11)</b> AU-A-2022274997 <b>(21)</b> 2022274997 <b>(22)</b> 09.05.2022 <b>(54)</b> DEVICE AND METHOD FOR PRODUCING METAL POWDER USING AN INDUCTION COIL AND AN INTERMEDIATE COIL <b>(51)</b> Int. Cl. <b>B22F 9/08</b> ( 2006.01 ) <b>C22B 9/16</b> ( 2006.01 ) <b>(87)</b> WO2022/238317 <b>(31)</b> 10 2021 112 151.5 <b>(32)</b> 10.05.21 <b>(33)</b> DE <b>(43)</b> 17.11.2022 <b>(72)</b> FRANZ, Henrik; LEHNERT, Christian; WINTON, Markus; SPITANS, Sergejs <b>(74)</b> Michael Buck IP		<b>(71)</b> AMPA MEDICAL APS <b>(11)</b> AU-A-2022248199 <b>(21)</b> 2022248199 <b>(22)</b> 29.03.2022 <b>(54)</b> ABSORBENT INSERT DEVICES FOR COLLECTING LIQUID AND SEMI-LIQUID INTESTINAL WASTE INSIDE THE INTESTINE OF A HUMAN <b>(51)</b> Int. Cl. <b>A61F 5/44</b> ( 2006.01 ) <b>A61F 5/445</b> ( 2006.01 ) <b>A61F 13/34</b> ( 2006.01 ) <b>(87)</b> WO2022/207051 <b>(31)</b> PA202100331 <b>(32)</b> 30.03.21 <b>(33)</b> DK <b>(43)</b> 06.10.2022 <b>(72)</b> PARSLOV, Marie Filippson; AMMITZBØLL, Cecilie <b>(74)</b> Spruson & Ferguson
<b>(71)</b> AIRA ROBOTICS, S.L. <b>(11)</b> AU-A-2022254852 <b>(21)</b> 2022254852 <b>(22)</b> 01.04.2022 <b>(54)</b> CUTTING DEVICE FOR SPLITTING AN ANIMAL CARCASS IN HALF AND ROBOT INCORPORATING SUCH CUTTING DEVICE <b>(51)</b> Int. Cl. <b>A22B 5/20</b> ( 2006.01 ) <b>(87)</b> WO2022/214720 <b>(31)</b> P202130314 <b>(32)</b> 09.04.21 <b>(33)</b> ES <b>(43)</b> 13.10.2022 <b>(72)</b> JANÉ LÓPEZ, Francisco Javier; CAÑELLAS GARRIGASAIT, Jordi <b>(74)</b> Spruson & Ferguson	<b>(71)</b> ALEXION PHARMACEUTICALS, INC. <b>(11)</b> AU-A-2022261922 <b>(21)</b> 2022261922 <b>(22)</b> 20.04.2022 <b>(54)</b> COMPOSITIONS AND METHODS FOR INHIBITING COMPLEMENT COMPONENT 3 EXPRESSION <b>(51)</b> Int. Cl. <b>C12N 15/113</b> ( 2010.01 ) <b>A61K 31/713</b> ( 2006.01 ) <b>(87)</b> WO2022/226127 <b>(31)</b> 63/177,254 <b>(32)</b> 20.04.21 <b>(33)</b> US <b>(43)</b> 27.10.2022 <b>(72)</b> LASARO, Melissa; MCKNIGHT, Susan, Faas; DUDEK, Henryk, T.; PARK, Jihye; BROWN, Bob, Dale; LAI, Chengjung; KIM, SungKwon <b>(74)</b> PHILLIPS ORMONDE FITZPATRICK		<b>(71)</b> ANDALIBIAN, A. <b>(11)</b> AU-A-2021432101 <b>(21)</b> 2021432101 <b>(22)</b> 03.05.2021 <b>(54)</b> IMPROVED BALLAST WATER, BILGE WATER, SLOP WATER, OR OILY WATER TREATMENT SYSTEMS AND RELATED METHODS <b>(51)</b> Int. Cl. <b>C02F 1/467</b> ( 2023.01 ) <b>(87)</b> WO2022/191861 <b>(31)</b> 17/198,940 <b>(32)</b> 11.03.21 <b>(33)</b> US <b>(43)</b> 15.09.2022 <b>(72)</b> ANDALIBIAN, Andy <b>(74)</b> Pizeys Patent and Trade Mark Attorneys Pty Ltd
<b>(71)</b> ALAMO GROUP INC. <b>(11)</b> AU-A-2022259606 <b>(21)</b> 2022259606 <b>(22)</b> 13.04.2022 <b>(54)</b> WORK MACHINE WITH BELT TENSIONING SYSTEM AND METHOD <b>(51)</b> Int. Cl. <b>B02C 9/00</b> ( 2006.01 ) <b>A01D 34/53</b> ( 2006.01 ) <b>B02C 18/24</b> ( 2006.01 ) <b>B02C 21/02</b> ( 2006.01 ) <b>B02C 25/00</b> ( 2006.01 ) <b>F16H 7/08</b> ( 2006.01 ) <b>F16H 7/12</b> ( 2006.01 ) <b>(87)</b> WO2022/221463 <b>(31)</b> 63/174,367 <b>(32)</b> 13.04.21 <b>(33)</b> US 17/719,193 12.04.22 US <b>(43)</b> 20.10.2022 <b>(72)</b> ADAMS, Jeffrey, Joseph; GETTEL, Michael, D.; SCHAFER, Phillip, Patrick <b>(74)</b> Griffith Hack	<b>(71)</b> ALLWAVES B.V. <b>(11)</b> AU-A-2022259009 <b>(21)</b> 2022259009 <b>(22)</b> 14.04.2022 <b>(54)</b> WAVE MAKER <b>(51)</b> Int. Cl. <b>E04H 4/00</b> ( 2006.01 ) <b>(87)</b> WO2022/219575 <b>(31)</b> 2021/5298 <b>(32)</b> 15.04.21 <b>(33)</b> BE <b>(43)</b> 20.10.2022 <b>(72)</b> NAUWELAERTS, Steven Eddy <b>(74)</b> Spruson & Ferguson		<b>(71)</b> ANJI BRUNO, LLC <b>(11)</b> AU-A-2022253906 <b>(21)</b> 2022253906 <b>(22)</b> 08.04.2022 <b>(54)</b> DOSING OF BISPECIFIC T CELL ENGAGER <b>(51)</b> Int. Cl. <b>A61K 39/395</b> ( 2006.01 ) <b>A61K 9/00</b> ( 2006.01 ) <b>A61K 39/00</b> ( 2006.01 ) <b>A61P 35/00</b> ( 2006.01 ) <b>C07K 16/28</b> ( 2006.01 ) <b>(87)</b> WO2022/217082 <b>(31)</b> 63/173,224 <b>(32)</b> 09.04.21 <b>(33)</b> US <b>(43)</b> 13.10.2022 <b>(72)</b> SMITH, Victoria <b>(74)</b> FB Rice Pty Ltd
<b>(71)</b> ALCOA OF AUSTRALIA LIMITED <b>(11)</b> AU-A-2022231808 <b>(21)</b> 2022231808 <b>(22)</b> 11.03.2022 <b>(54)</b> METHOD FOR CALCINATION <b>(51)</b> Int. Cl. <b>C01F 7/44</b> ( 2022.01 ) <b>(87)</b> WO2022/187903 <b>(31)</b> 2021900721 <b>(32)</b> 12.03.21 <b>(33)</b> AU	<b>(71)</b> AMO GRONINGEN B.V. <b>(11)</b> AU-A-2022233940 <b>(21)</b> 2022233940 <b>(22)</b> 08.03.2022 <b>(54)</b> REFRACTIVE EXTENDED DEPTH OF FOCUS INTRAOCULAR LENS, AND METHODS OF USE AND MANUFACTURE <b>(51)</b> Int. Cl. <b>A61F 2/16</b> ( 2006.01 ) <b>G02C 7/04</b> ( 2006.01 ) <b>(87)</b> WO2022/189419 <b>(31)</b> 63/158,860 <b>(32)</b> 09.03.21 <b>(33)</b> US		<b>(71)</b> ANTAROS MEDICAL AB <b>(11)</b> AU-A-2022263295 <b>(21)</b> 2022263295 <b>(22)</b> 20.04.2022 <b>(54)</b> METHOD AND SYSTEM FOR MEDICAL IMAGE REGISTRATION <b>(51)</b> Int. Cl. <b>G06T 7/30</b> ( 2017.01 ) <b>(87)</b> WO2022/223584 <b>(31)</b> 21169609.1 <b>(32)</b> 21.04.21 <b>(33)</b> EP

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 A61L 27/02 (2006.01)  
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 B33Y 10/00 (2015.01)  
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 (74) Patentec Patent Attorneys
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 A01K 67/027 (2006.01)  
 C12N 9/10 (2006.01)  
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 F42B 15/22 (2006.01)  
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(51) Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**C07D 471/02** ( 2006.01 )  
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(21) 2021442100 (22) 08.06.2021  
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(51) Int. Cl.  
**G06T 19/00** ( 2011.01 )  
**G06N 20/00** ( 2019.01 )  
**G06T 15/00** ( 2011.01 )  
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(43) 27.10.2022  
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(74) Franke Hyland Pty Ltd
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(21) 2022255183 (22) 06.04.2022  
(54) APELIN RECEPTOR MODULATORS FOR TREATING AGE-RELATED MUSCLE CONDITIONS  
(51) Int. Cl.  
**A61P 13/12** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )  
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(54) FLAME RETARDANT COMPOUNDS  
(51) Int. Cl.  
**C08G 77/04** ( 2006.01 )  
**C08G 77/26** ( 2006.01 )  
**C08G 77/388** ( 2006.01 )  
**C08L 83/08** ( 2006.01 )  
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(31) 20210311 (32) 10.03.21 (33) NO  
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(74) Davies Collison Cave Pty Ltd
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(51) Int. Cl.  
**C12N 1/16** ( 2006.01 )  
**A23K 20/105** ( 2016.01 )  
**A23K 20/179** ( 2016.01 )  
**A23L 29/00** ( 2016.01 )  
**C07K 14/39** ( 2006.01 )  
**C12N 15/01** ( 2006.01 )  
**C12P 23/00** ( 2006.01 )  
**C12R 1/645** ( 2006.01 )  
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(72) LUNA-FLORES, Carlos  
(74) IP Flourish
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(51) Int. Cl.  
**B01D 15/22** ( 2006.01 )  
**B01D 15/08** ( 2006.01 )  
**G01N 30/02** ( 2006.01 )  
**G01N 30/60** ( 2006.01 )  
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(74) Griffith Hack
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(21) 2022262101 (22) 21.04.2022  
(54) ANTIBODIES BINDING TROP2 AND USES THEREOF  
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**A61P 35/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
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(54) MODULAR ENVIRONMENTAL CONTROL SYSTEMS AND METHODS FOR ENCLOSED STRUCTURES  
(51) Int. Cl.  
**A01G 9/24** ( 2006.01 )  
**A01G 9/00** ( 2018.01 )  
**A01G 9/14** ( 2006.01 )  
**A01G 9/18** ( 2006.01 )  
**A01G 9/26** ( 2006.01 )  
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(74) FB Rice Pty Ltd
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(11) AU-A-2021440208  
(21) 2021440208 (22) 26.12.2021  
(54) HYBRID, ARTIFICIAL BONE TISSUE IMPLANT ABSORBING MECHANICAL VIBRATIONS, WHOSE ARCHITECTURAL STRUCTURE IMITATES TRABECULAR BONE, ALLOWING THE SATURATION OF BONE MARROW, BLOOD, AND NUTRIENTS, SUPPORTING AUTOLOGICAL REGENERATION, WHICH CAN BE USED WITH TITANIUM STRUCTURES  
(51) Int. Cl.  
**A61L 27/06** ( 2006.01 )  
**A61L 27/12** ( 2006.01 )  
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(11) AU-A-2022272291  
(21) 2022272291 (22) 09.05.2022  
(54) ANASTOMOSIS DEVICE, SYSTEMS, AND METHODS  
(51) Int. Cl.  
**A61B 17/11** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
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(72) FLEURY, Sean P.; FAVREAU, John Thomas; SCUTTI, James J.  
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(11) AU-A-2022275863

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**(51)** Int. Cl.  
**A61F 5/00** ( 2006.01 )  
**A61B 17/11** ( 2006.01 )  
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**(54)** APPLIANCE TO HEAT A LIQUID  
**(51)** Int. Cl.  
**A47J 27/21** ( 2006.01 )  
**A47J 36/42** ( 2006.01 )  
**F28F 13/02** ( 2006.01 )  
**F28F 13/08** ( 2006.01 )  
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**(11)** AU-A-2022256439  
**(21)** 2022256439 (22) 12.04.2022  
**(54)** CEMENTITIOUS PRODUCTION FROM NON-LIMESTONE MATERIAL  
**(51)** Int. Cl.  
**C04B 7/02** ( 2006.01 )  
**C01B 7/00** ( 2006.01 )  
**C01B 33/00** ( 2006.01 )  
**C01F 5/22** ( 2006.01 )  
**C01F 5/24** ( 2006.01 )  
**C01F 7/22** ( 2006.01 )  
**C01F 7/441** ( 2022.01 )  
**C01F 11/06** ( 2006.01 )  
**C01F 11/24** ( 2006.01 )  
**C01G 49/02** ( 2006.01 )  
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**C01G 49/06** ( 2006.01 )  
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**(74)** WRAYS PTY LTD
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**(21)** 2022259481 (22) 31.03.2022
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- (54)** EVENT-DRIVEN READOUT SYSTEM WITH NON-PRIORITY ARBITRATION FOR MULTICHANNEL DATA SOURCES  
**(51)** Int. Cl.  
**G06F 13/16** ( 2006.01 )  
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**(74)** James & Wells Intellectual Property
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**(11)** AU-A-202225859  
**(21)** 202225859 (22) 21.03.2022  
**(54)** RELATIONAL-BASED ONLINE COMMERCE SYSTEM AND METHOD  
**(51)** Int. Cl.  
**G06Q 30/06** ( 2023.01 )  
**G06Q 10/08** ( 2023.01 )  
**G06Q 20/12** ( 2012.01 )  
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**(74)** Patenteur Pty Ltd
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**(51)** Int. Cl.  
**A23P 30/20** ( 2016.01 )  
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**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd
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**(11)** AU-A-2022270951  
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**(51)** Int. Cl.  
**A23G 9/34** ( 2006.01 )  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** CAPRA BIOSCIENCES, INC.  
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**(21)** 2022257089 (22) 15.04.2022  
**(54)** METHODS OF ISOPRENOID SYNTHESIS USING A GENETICALLY ENGINEERED HYDROCARBONOCLASTIC ORGANISM IN A BIOFILM BIOREACTOR  
**(51)** Int. Cl.  
**C12N 9/04** ( 2006.01 )  
**C12N 15/52** ( 2006.01 )  
**C12P 5/00** ( 2006.01 )  
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- (71)** CAPTIVE-AIRE SYSTEMS, INC.  
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**(21)** 2022264377 (22) 20.04.2022  
**(54)** SUPPLY AIR DUCT WITH INTEGRAL NOZZLES FOR DIFFUSING SUPPLY AIR ALONG THE LENGTH OF THE SUPPLY AIR DUCT  
**(51)** Int. Cl.  
**F24F 13/02** ( 2006.01 )  
**B60H 1/26** ( 2006.01 )  
**B60H 1/34** ( 2006.01 )  
**B60J 9/04** ( 2006.01 )  
**F24F 13/06** ( 2006.01 )  
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**(21)** 2022270091 (22) 03.05.2022  
**(54)** SYSTEMS AND METHODS FOR CAPTURING CARBON DIOXIDE AND REGENERATING A CAPTURE SOLUTION  
**(51)** Int. Cl.  
**B01D 53/62** ( 2006.01 )  
**B01D 9/00** ( 2006.01 )  
**B01D 37/00** ( 2006.01 )  
**B01D 53/14** ( 2006.01 )  
**B01D 53/73** ( 2006.01 )  
**B01D 53/78** ( 2006.01 )  
**B01D 53/96** ( 2006.01 )  
**B01D 61/42** ( 2006.01 )  
**B01D 61/44** ( 2006.01 )  
**C02F 1/469** ( 2023.01 )  
**C25B 1/14** ( 2006.01 )  
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**(11)** AU-A-2022273707  
**(21)** 2022273707 (22) 11.05.2022  
**(54)** GAS-LIQUID CONTACTOR WITH PACKING FOR CAPTURING CARBON DIOXIDE  
**(51)** Int. Cl.  
**B01D 3/28** ( 2006.01 )  
**B01D 53/14** ( 2006.01 )



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**(74)** RnB IP Pty Ltd
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- (71)** CARBONSCAPE LIMITED  
**(11)** AU-A-2021441476  
**(21)** 2021441476 **(22)** 25.08.2021  
**(54)** COMPOSITION OF MATTER FOR THE PRODUCTION OF GRAPHITE POWDER  
**(51)** Int. Cl.  
**C01B 32/205** ( 2017.01 )  
**B01J 6/00** ( 2006.01 )  
**B01J 31/22** ( 2006.01 )  
**C01B 32/215** ( 2017.01 )  
**H01M 4/02** ( 2006.01 )  
**H01M 4/133** ( 2010.01 )  
**H01M 4/1393** ( 2010.01 )  
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**(43)** 27.10.2022  
**(72)** BADENHORST, Heinrich  
**(74)** Southern Cross Intellectual Property
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- (71)** CAREFUSION 303, INC.  
**(11)** AU-A-2022253220  
**(21)** 2022253220 **(22)** 29.03.2022  
**(54)** IV SET COMPONENT WITH PRIMING FUNCTION  
**(51)** Int. Cl.  
**A61M 5/14** ( 2006.01 )  
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**A61M 39/22** ( 2006.01 )  
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**(43)** 13.10.2022  
**(72)** YAMIN, Leyla; HON, Kelly Kloster  
**(74)** FB Rice Pty Ltd
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- (71)** CAS LAMVAC (GUANGZHOU) BIOMEDICAL TECHNOLOGY CO., LTD.  
**(11)** AU-A-2021433868  
**(21)** 2021433868 **(22)** 19.03.2021  
**(54)** USE OF PLASMODIUM IN PREPARATION OF ANTI-TUMOR PREPARATION FOR USE IN COMBINATION WITH RADIOTHERAPY  
**(51)** Int. Cl.  
**A61K 35/68** ( 2006.01 )  
**A61N 5/10** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(72)** TAO, Zhu; DING, Wenting; CHENG, Zhipeng; FENG, Yinfang; QIN, Li; CHEN, Xiaoping  
**(74)** GLMR
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- (71)** CATERPILLAR GLOBAL MINING EQUIPMENT LLC  
**(11)** AU-A-2022257583  
**(21)** 2022257583 **(22)** 28.03.2022  
**(54)** ANTENNA MAST STRUCTURE  
**(51)** Int. Cl.  
**H01Q 1/12** ( 2006.01 )  
**H01Q 1/00** ( 2006.01 )  
**H01Q 1/32** ( 2006.01 )  
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**(74)** Patent Attorney Services
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- (71)** CATERPILLAR INC.  
**(11)** AU-A-2022247261  
**(21)** 2022247261 **(22)** 16.02.2022  
**(54)** SYSTEMS AND METHODS FOR PROBABILISTIC PARTS FORECASTING BASED ON MACHINE UTILIZATION PATTERNS  
**(51)** Int. Cl.  
**G06Q 10/08** ( 2023.01 )  
**G06Q 30/02** ( 2023.01 )  
**(87)** WO2022/211918  
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**(43)** 06.10.2022  
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**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** CATERPILLAR INC.  
**(11)** AU-A-2022256445  
**(21)** 2022256445 **(22)** 13.04.2022  
**(54)** DATA MANAGEMENT SYSTEMS AND METHODS  
**(51)** Int. Cl.  
**G06Q 10/00** ( 2023.01 )  
**(87)** WO2022/221364  
**(31)** 202111017485 **(32)** 15.04.21 **(33)** IN  
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**(72)** NANDAGOPALAN, Venkata S.; HOPPER, Derek J.; GERALD, Franklin; BALU, Satheesh K.; CHITGOPEKAR, Sucheta; CREE, Spencer; PAGE, Wyatt  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** CATERPILLAR INC.  
**(11)** AU-A-2022257584  
**(21)** 2022257584 **(22)** 28.03.2022  
**(54)** SLACK ADJUSTER ASSEMBLY AND BRAKING SYSTEM FOR A VEHICLE  
**(51)** Int. Cl.  
**F16D 65/74** ( 2006.01 )  
**(87)** WO2022/221040  
**(31)** 17/231,039 **(32)** 15.04.21 **(33)** US  
**(43)** 20.10.2022  
**(72)** MA, Pengfei; WEI, Puning; GUST, Aleksander  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** CBN ENERGY PTY LTD  
**(11)** AU-A-2022256236  
**(21)** 2022256236 **(22)** 14.04.2022
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- (54)** DECARBONISATION SYSTEM AND PROCESS  
**(51)** Int. Cl.  
**C25B 1/04** ( 2021.01 )  
**B01D 53/14** ( 2006.01 )  
**C01B 3/02** ( 2006.01 )  
**C01B 3/06** ( 2006.01 )  
**C01B 3/48** ( 2006.01 )  
**C01B 3/52** ( 2006.01 )  
**C01B 32/50** ( 2017.01 )  
**C01B 32/60** ( 2017.01 )  
**(87)** WO2022/217313  
**(31)** 2021901116 **(32)** 16.04.21 **(33)** AU  
**(43)** 20.10.2022  
**(72)** BOLDA, Nedyalka Stefanova  
**(74)** Michael Buck IP
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- (71)** CCL SECURE PTY LTD  
**(11)** AU-A-2022259105  
**(21)** 2022259105 **(22)** 14.04.2022  
**(54)** A PRINTED SECURITY FEATURE  
**(51)** Int. Cl.  
**B42D 25/30** ( 2014.01 )  
**B41M 3/14** ( 2006.01 )  
**B42D 25/355** ( 2014.01 )  
**B42D 25/378** ( 2014.01 )  
**(87)** WO2022/217315  
**(31)** 2021901109 **(32)** 15.04.21 **(33)** AU  
**(43)** 20.10.2022  
**(72)** ALMENAR, Carlos; LAWSON, Justin; CORBETT, Nadeen  
**(74)** Allens Patent & Trade Mark Attorneys
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- (71)** C DUPÉ PTY LTD  
**(11)** AU-A-2022261792  
**(21)** 2022261792 **(22)** 22.04.2022  
**(54)** BIB AND CONNECTOR THEREFOR  
**(51)** Int. Cl.  
**A41B 13/10** ( 2006.01 )  
**A41F 1/00** ( 2006.01 )  
**A44B 11/25** ( 2006.01 )  
**(87)** WO2022/221923  
**(31)** 2021901202 **(32)** 22.04.21 **(33)** AU  
**(43)** 27.10.2022  
**(72)** DUPÉ, Christine; CHAPMAN, Jonathan Bakker  
**(74)** Baxter Patent Attorneys Pty Ltd
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- (71)** CELLSIGHT TECHNOLOGIES INC.  
**(11)** AU-A-2022269605  
**(21)** 2022269605 **(22)** 04.05.2022  
**(54)** METHODS AND MATERIALS FOR MAKING PET RADIOTRACERS  
**(51)** Int. Cl.  
**A61K 51/04** ( 2006.01 )  
**C07D 473/18** ( 2006.01 )  
**(87)** WO2022/235770  
**(31)** 17/314,366 **(32)** 07.05.21 **(33)** US  
**(43)** 10.11.2022  
**(72)** LEVI, Jelena; SRINIVASAN, Ananth; HOEPPING, Alexander; SMITS, Rene  
**(74)** Spruson & Ferguson
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- (71)** CENTRO DE INMUNOLOGIA MOLECULAR  
**(11)** AU-A-2022251604  
**(21)** 2022251604 **(22)** 16.03.2022

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(51) Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07K 14/535** ( 2006.01 )  
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**A61K 31/4985** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
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**C01G 23/00** ( 2006.01 )  
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 E04H 7/18 ( 2006.01 )  
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 B41M 3/14 ( 2006.01 )  
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 (54) BLOCKCHAIN KEY GENERATION  
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 H04W 12/108 ( 2021.01 )  
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 H04W 12/42 ( 2021.01 )  
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 H04W 4/38 ( 2018.01 )  
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 B29B 17/00 ( 2006.01 )  
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 B63B 35/00 ( 2020.01 )  
 B63B 79/10 ( 2020.01 )  
 E02D 13/04 ( 2006.01 )  
 E02D 13/06 ( 2006.01 )  
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 C12N 15/40 ( 2006.01 )  
 A61K 39/12 ( 2006.01 )  
 A61P 1/12 ( 2006.01 )  
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 C07K 14/08 ( 2006.01 )  
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*C01G 23/04* ( 2006.01 )  
*C01G 51/00* ( 2006.01 )  
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 (51) Int. Cl.  
 G01N 21/64 ( 2006.01 )  
 G01N 21/17 ( 2006.01 )  
 G01N 21/84 ( 2006.01 )  
 G01N 27/447 ( 2006.01 )  
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 B60P 7/04 ( 2006.01 )  
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 B01J 19/08 ( 2006.01 )  
 B01J 19/28 ( 2006.01 )  
 C09C 1/48 ( 2006.01 )  
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 H05H 1/44 ( 2006.01 )  
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 (51) Int. Cl.  
 B01J 6/00 ( 2006.01 )  
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 B01J 12/02 ( 2006.01 )  
 B01J 19/08 ( 2006.01 )  
 H05H 1/44 ( 2006.01 )  
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 B01J 6/00 ( 2006.01 )  
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 (51) Int. Cl.  
 G06Q 50/06 ( 2012.01 )  
 H01M 8/00 ( 2016.01 )  
 H01M 8/0606 ( 2016.01 )  
 H01M 8/0612 ( 2016.01 )  
 H01M 8/0656 ( 2016.01 )  
 H02J 3/38 ( 2006.01 )  
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 A61F 2/46 ( 2006.01 )  
 A61B 17/04 ( 2006.01 )  
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*H01R 13/629* ( 2006.01 )  
*G02B 6/38* ( 2006.01 )  
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*C04B 26/16* ( 2006.01 )  
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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
*G16B 15/00* ( 2019.01 )  
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*C07D 277/24* ( 2006.01 )  
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**(51)** Int. Cl.  
*A61N 1/362* ( 2006.01 )  
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**(72)** BEN DAVID, Tamir; PRUTCHI, David  
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**(51)** Int. Cl.  
*C14C 1/00* ( 2006.01 )  
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**(71)** IN & TEC S.R.L.  
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**(51)** Int. Cl.  
*E05F 3/10* ( 2006.01 )  
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*B01D 53/02* ( 2006.01 )  
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*C25B 1/04* ( 2021.01 )  
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*B09B 3/40* ( 2022.01 )  
*C04B 18/10* ( 2006.01 )  
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*G08C 17/00* ( 2006.01 )
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 (54) SYSTEMS AND METHODS FOR PROCESSING WASTE  
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*C08J 11/12* ( 2006.01 )  
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*F23G 5/027* ( 2006.01 )  
*F27B 9/04* ( 2006.01 )  
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*A61K 35/17* ( 2015.01 )  
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 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (54) MANAGEMENT ASSISTANCE SYSTEM FOR BUILDING OR CIVIL-ENGINEERING STRUCTURE  
 (51) Int. Cl.  
*G06G 50/08* ( 2012.01 )  
*G06F 30/13* ( 2020.01 )  
*G06T 19/20* ( 2011.01 )  
 (87) WO2022/215724  
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 (72) YAMASAKI, Fuminori; KARINO, Takashi  
 (74) FPA Patent Attorneys Pty Ltd
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 (11) AU-A-2022232007  
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 (54) METHOD OF TREATING PSORIATIC ARTHRITIS PATIENTS WITH INADEQUATE RESPONSE TO TNF THERAPY WITH ANTI-IL23 SPECIFIC ANTIBODY  
 (51) Int. Cl.  
*C07K 16/24* ( 2006.01 )  
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 (11) AU-A-2022232443

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**C07K 16/28** ( 2006.01 )  
**C12Q 1/6886** ( 2018.01 )  
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*C02F 1/04* ( 2023.01 )  
*C02F 1/28* ( 2023.01 )  
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*C12N 15/09* ( 2006.01 )  
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*G06Q 30/04* ( 2012.01 )  
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*C12H 1/14* ( 2006.01 )  
*F04B 53/06* ( 2006.01 )  
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*A61P 25/18* ( 2006.01 )  
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*B60R 9/06* ( 2006.01 )  
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H04B 7/024 (2017.01)  
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H04L 5/00 (2006.01)  
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(54) ORAL FORMULATION CONTAINING 1-(3-CYANO-1-ISOPROPYL-INDOL-5-YL)PYRAZOLE-4-CARBOXYLIC ACID  
(51) Int. Cl.  
A61K 9/20 (2006.01)  
A61K 31/4155 (2006.01)  
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(74) Griffith Hack
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(54) BATTERY MANAGEMENT DEVICE AND METHOD  
(51) Int. Cl.  
H02J 7/00 (2006.01)  
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(74) FB Rice Pty Ltd
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(54) LIGNIN-BASED COMPOSITIONS AND RELATED HYDROCARBON SEPARATION METHODS  
(51) Int. Cl.  
C09K 8/594 (2006.01)  
C09K 8/592 (2006.01)  
E21B 43/24 (2006.01)  
(87) WO2022/214950  
(31) 2104865.7 (32) 06.04.21 (33) GB 2115987.6 08.11.21 GB  
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(72) SOMERVILLE, Desmond Alexander; WAIBEL, Patrick Dieter  
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(54) LIGNIN-BASED COMPOSITIONS AND RELATED HYDROCARBON RECOVERY METHODS  
(51) Int. Cl.  
C07G 1/00 (2011.01)  
C09K 8/20 (2006.01)  
C09K 8/582 (2006.01)  
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(31) 2104860.8 (32) 06.04.21 (33) GB 2115987.6 08.11.21 GB  
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(54) LIGNIN-BASED COMPOSITIONS AND RELATED HEAVY METAL RECOVERY METHODS  
(51) Int. Cl.  
C09K 8/594 (2006.01)  
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E21B 43/24 (2006.01)
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(31) 2104869.9 (32) 06.04.21 (33) GB 2115987.6 08.11.21 GB  
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(72) SOMERVILLE, Desmond Alexander; WAIBEL, Patrick Dieter  
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(54) LIGNIN-BASED FRACTURING FLUIDS AND RELATED METHODS  
(51) Int. Cl.  
C08L 97/00 (2006.01)  
C09K 8/58 (2006.01)  
C09K 8/60 (2006.01)  
C09K 8/86 (2006.01)  
C09K 8/90 (2006.01)  
E21B 43/16 (2006.01)  
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(87) WO2022/214960  
(31) 2104859.0 (32) 06.04.21 (33) GB 2115987.6 08.11.21 GB  
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(72) SOMERVILLE, Desmond Alexander; WAIBEL, Patrick Dieter  
(74) Griffith Hack
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(54) LIGNIN-BASED COMPOSITIONS AND RELATED CLEANING METHODS  
(51) Int. Cl.  
C09K 8/594 (2006.01)  
C09K 8/592 (2006.01)  
E21B 43/24 (2006.01)  
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(31) 2104862.4 (32) 06.04.21 (33) GB 2115987.6 08.11.21 GB  
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(72) SOMERVILLE, Desmond Alexander; WAIBEL, Patrick Dieter  
(74) Griffith Hack
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- (71) LINEAGE LOGISTICS, LLC  
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(51) Int. Cl.  
G05B 19/418 (2006.01)  
B65G 1/00 (2006.01)  
G06T 7/00 (2017.01)  
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(74) RnB IP Pty Ltd

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 (11) AU-A-2022254072  
 (21) 2022254072 (22) 07.04.2022  
 (54) ONCOLOGIC VARIATIONS ASSOCIATED WITH CANCER AND METHODS OF TREATMENT  
 (51) Int. Cl.  
 A61P 35/00 ( 2006.01 )  
 C12N 15/11 ( 2006.01 )  
 C12Q 1/68 ( 2018.01 )  
 C12Q 1/6886 ( 2018.01 )  
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 (31) 63/172,485 (32) 08.04.21 (33) US  
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 (72) GARYANTES, Tina; MOONEY, Patrick; NATALE, Christopher  
 (74) Davies Collison Cave Pty Ltd

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 (21) 2022254952 (22) 24.03.2022  
 (54) DRY PROCESS FOR FORMING AN ELECTRODE  
 (51) Int. Cl.  
 H01M 4/04 ( 2006.01 )  
 H01M 4/1391 ( 2010.01 )  
 H01M 4/1393 ( 2010.01 )  
 H01M 4/1395 ( 2010.01 )  
 H01M 4/1397 ( 2010.01 )  
 H01M 4/38 ( 2006.01 )  
 H01M 4/62 ( 2006.01 )  
 H01M 4/02 ( 2006.01 )  
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 (31) 63/172,274 (32) 08.04.21 (33) US  
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 (21) 2022253577 (22) 05.04.2022  
 (54) A DOCKING ARRANGEMENT FOR AN ADDITIVE MANUFACTURING PROCESS  
 (51) Int. Cl.  
 B22F 12/00 ( 2021.01 )  
 B22F 10/28 ( 2021.01 )  
 B22F 12/52 ( 2021.01 )  
 B29C 64/255 ( 2017.01 )  
 B29C 64/307 ( 2017.01 )  
 B29C 64/329 ( 2017.01 )  
 B33Y 40/00 ( 2020.01 )  
 B65D 88/54 ( 2006.01 )  
 B65D 90/54 ( 2006.01 )  
 B65D 90/62 ( 2006.01 )  
 B65D 90/66 ( 2006.01 )  
 F16K 1/22 ( 2006.01 )  
 F16K 31/163 ( 2006.01 )  
 F16K 31/60 ( 2006.01 )  
 G01F 11/00 ( 2006.01 )  
 G01F 11/28 ( 2006.01 )  
 G01F 11/46 ( 2006.01 )  
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 (72) HEALEY, Callum  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

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 (21) 2022254210 (22) 05.04.2022  
 (54) IMPROVEMENTS IN OR RELATING TO POWDER HANDLING  
 (51) Int. Cl.  
 G01F 11/00 ( 2006.01 )  
 B22F 10/20 ( 2021.01 )  
 B22F 12/52 ( 2021.01 )  
 B29C 64/329 ( 2017.01 )  
 B33Y 40/00 ( 2020.01 )  
 B65D 90/54 ( 2006.01 )  
 F16K 1/22 ( 2006.01 )  
 F16K 31/60 ( 2006.01 )  
 G01F 11/28 ( 2006.01 )  
 G01F 11/46 ( 2006.01 )  
 B29C 64/153 ( 2017.01 )  
 B65D 88/26 ( 2006.01 )  
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 (31) 2104882.2 (32) 06.04.21 (33) GB  
 (43) 13.10.2022  
 (72) HEALEY, Callum  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

(71) LUBRIZOL ADVANCED MATERIALS, INC.  
 (11) AU-A-2022253365  
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 (51) Int. Cl.  
 A61K 36/638 ( 2006.01 )  
 A61K 8/9789 ( 2017.01 )  
 A61P 17/00 ( 2006.01 )  
 A61Q 19/08 ( 2006.01 )  
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(71) LYDIAN LABS, INC.  
 (11) AU-A-2022258837  
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 (54) ELECTRICALLY DRIVEN CHEMICAL REACTOR USING A MODULAR CATALYTIC HEATING SYSTEM  
 (51) Int. Cl.  
 C01B 3/08 ( 2006.01 )  
 C01B 32/40 ( 2017.01 )  
 (87) WO2022/221740  
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 (21) 2021345955 (22) 19.04.2021  
 (54) A PERSONAL SECURITY DEVICE  
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 (72) BÜLOW, Leif; PALMQVIST, Richard; HELLBERG, Jonas  
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 (51) Int. Cl.  
 A01J 25/00 ( 2006.01 )  
 A01J 25/12 ( 2006.01 )  
 A01J 27/04 ( 2006.01 )  
 A23C 19/09 ( 2006.01 )  
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(71) MARS, INCORPORATED  
 (11) AU-A-2022258833  
 (21) 2022258833 (22) 15.04.2022  
 (54) FOOD PRODUCT  
 (51) Int. Cl.  
 A23G 3/44 ( 2006.01 )  
 A23G 3/54 ( 2006.01 )  
 A23L 33/185 ( 2016.01 )  
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 (72) LAARMAN, Robin; VAN HOUTUM, Hans; MEULENSTEEN, Stephan  
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(71) MATTHEWS INTERNATIONAL CORPORATION  
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 (54) SYSTEMS AND METHODS FOR HYBRID SAND CASTING  
 (51) Int. Cl.  
 G05B 19/4099 ( 2006.01 )  
 B22C 7/02 ( 2006.01 )  
 B22C 9/02 ( 2006.01 )  
 B22C 9/22 ( 2006.01 )  
 B29C 64/386 ( 2017.01 )  
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(11) AU-A-2022264962  
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(54) ELECTRONICS UNIT  
(51) Int. Cl.  
*H05K 7/14* ( 2006.01 )  
*F42C 11/00* ( 2006.01 )  
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- (71) MCCAIN FOODS LIMITED  
(11) AU-A-2022254141  
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(54) FOOD CUTTER AND METHOD OF CUTTING FOOD  
(51) Int. Cl.  
*B26D 1/143* ( 2006.01 )  
*A47J 43/20* ( 2006.01 )  
*B26D 3/10* ( 2006.01 )  
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- (71) MCGRATH, G.  
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(54) IMPROVED DOOR LOCK SYSTEM  
(51) Int. Cl.  
*E05C 9/00* ( 2006.01 )  
*E05B 1/00* ( 2006.01 )  
*E05B 47/00* ( 2006.01 )  
*E05B 63/08* ( 2006.01 )  
*E05B 65/02* ( 2006.01 )  
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(72) MCGRATH, Graeme  
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- (71) MEDIMMUNE LIMITED  
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(54) THERAPEUTIC BINDING MOLECULE THAT BINDS TO CCR9  
(51) Int. Cl.  
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(72) NYS, Josquin Arnaud; THOM, Albert George; CARIUK, Peter; SCHOFIELD, Darren Jonathan; RILEY, Aidan; HUNTINGTON, Catherine Eugenie Chaillan; REES, David Gareth; IRVING, Lorraine; ROBINSON, Matthew  
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(11) AU-A-2022234872  
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(54) CAMERA POSITION INDICATION SYSTEMS AND METHODS  
(51) Int. Cl.  
*A61B 17/34* ( 2006.01 )  
*A61B 90/00* ( 2016.01 )  
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(31) 17/200,750 (32) 12.03.21 (33) US  
(43) 15.09.2022  
(72) LOMELI, Roman; BUEHLMANN, Eric; PAIVA, James; GUFFEY, Leonard Bryant  
(74) Spruson & Ferguson
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- (71) MEDTRONIC, INC.  
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(54) ACUTE HEALTH EVENT MONITORING AND ALERTING  
(51) Int. Cl.  
*A61B 5/0205* ( 2006.01 )  
*G16H 80/00* ( 2018.01 )  
(87) WO2022/191962  
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(72) STADLER, Robert W.; DOLAN, Becky L.; CHO, Yong K.; KRAUSE, Paul G.; SARKAR, Shantanu; KOWAL, Robert C.  
(74) FB Rice Pty Ltd
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- (71) MEDTRONIC, INC.  
(11) AU-A-2022234473  
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(54) ACUTE HEALTH EVENT MONITORING AND VERIFICATION  
(51) Int. Cl.  
*G16H 40/67* ( 2018.01 )  
*A61B 5/00* ( 2006.01 )  
*A61N 1/372* ( 2006.01 )  
*G16H 40/20* ( 2018.01 )  
*G16H 40/63* ( 2018.01 )  
(87) WO2022/192827  
(31) 63/182,456 (32) 30.04.21 (33) US  
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(72) KRAUSE, Paul G.; STADLER, Robert W.; DEGROOT, Paul J.; WYSZYNSKI, Ryan D.; CONNOLLY, Megan; NEITZELL, Grant A.; SARKAR, Shantanu; KOCH, Christopher D.; CHO, Yong K.; NATERA, Ana C.; OUSDIGIAN, Kevin T.; DEMMER, Wade M.; JEJURKAR, Abhijit P.  
(74) FB Rice Pty Ltd
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- (71) MEI PHARMA, INC.  
(11) AU-A-2022254105  
(21) 2022254105 (22) 10.04.2022  
(54) VORUCICLIB DOSING REGIMENS AND METHODS OF TREATMENT INCLUDING THE SAME  
(51) Int. Cl.  
*A61K 31/4025* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 405/04* ( 2006.01 )  
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63/173,398 10.04.21 US  
(43) 13.10.2022  
(72) GOLD, Daniel; PARR, Alan F.  
(74) Spruson & Ferguson
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- (71) MEMORIAL SLOAN-KETTERING CANCER CENTER; MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES; SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH  
(11) AU-A-2022258307  
(21) 2022258307 (22) 12.04.2022  
(54) CAR-T CELLS TARGETING UPAR AND USES THEREOF  
(51) Int. Cl.  
*A61K 35/17* ( 2015.01 )  
*C07K 16/28* ( 2006.01 )  
*C12N 5/00* ( 2006.01 )  
(87) WO2022/221265  
(31) 63/174,277 (32) 13.04.21 (33) US  
(43) 20.10.2022  
(72) LOWE, Scott W.; VEGAS, Corina Amor; ROMESSER, Paul  
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) MENTOR WORLDWIDE LLC  
(11) AU-A-2022230035  
(21) 2022230035 (22) 25.02.2022  
(54) SYSTEMS, DEVICES AND METHODS OF MAKING PROSTHETIC IMPLANTS HAVING SELF-SEALING MEMBRANES FOR CLOSING PUNCTURES AND PREVENTING LEAKS  
(51) Int. Cl.  
*A61F 2/12* ( 2006.01 )  
*B29C 65/02* ( 2006.01 )  
(87) WO2022/185173  
(31) 63/157,285 (32) 05.03.21 (33) US  
17/675,122 18.02.22 US  
(43) 09.09.2022  
(72) HOFFMAN, Michael; NATARAJAN, Sri-ram; MULLEN, Annmarie; ESTRELLA, Hector Toro  
(74) Spruson & Ferguson
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- (71) MERIL LIFE SCIENCES PVT LTD  
(11) AU-A-2022369154  
(21) 2022369154 (22) 19.05.2022  
(54) PROSTHETIC TRANSCATHETER HEART VALVE (THV) SYSTEM  
(51) Int. Cl.  
*A61F 2/24* ( 2006.01 )  
(87) WO2023/067614  
(31) 202121047196 (32) 18.10.21 (33) IN  
(43) 27.04.2023  
(72) BHATT, Sanjeev Nauttam; PARMAR, Harshad Amrutlal  
(74) IP Guardian Pty Ltd
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- (71) MERIL LIFE SCIENCES PVT LTD  
(11) AU-A-2022386794  
(21) 2022386794 (22) 28.06.2022  
(54) DEVICE AND METHOD OF RADIALLY COLLAPSING MEDICAL DEVICES  
(51) Int. Cl.

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**(31)** 202121051873 **(32)** 12.11.21 **(33)** IN  
**(43)** 19.05.2023  
**(72)** PARMAR, Harshad Amrutlal; PATEL, Chirag Vinodbhai  
**(74)** IP Guardian Pty Ltd

**(71)** MERIL LIFE SCIENCES PVT LTD.  
**(11)** AU-A-2022364301  
**(21)** 2022364301 **(22)** 20.05.2022  
**(54)** COMMISSURAL ALIGNMENT SYSTEM AND METHOD OF ALIGNMENT THEREOF FOR PROSTHETIC VALVES  
**(51)** Int. Cl.  
**A61F 2/24** ( 2006.01 )  
**(87)** WO2023/062645  
**(31)** 202121046556 **(32)** 12.10.21 **(33)** IN  
**(43)** 20.04.2023  
**(72)** BHATT, Sanjeev Nauttam; PARMAR, Harshad Amrutlal  
**(74)** IP Guardian Pty Ltd

**(71)** MICROSOFT TECHNOLOGY LICENSING, LLC  
**(11)** AU-A-2022274680  
**(21)** 2022274680 **(22)** 09.04.2022  
**(54)** BACKPROPAGATION USING PARAMETRIZING ANGLES OF UNITARY MATRIX  
**(51)** Int. Cl.  
**G06N 3/04** ( 2023.01 )  
**G06N 3/08** ( 2023.01 )  
**(87)** WO2022/240514  
**(31)** 17/318,977 **(32)** 12.05.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** HAMZE, Firas  
**(74)** Davies Collison Cave Pty Ltd

**(71)** MICROSOFT TECHNOLOGY LICENSING, LLC  
**(11)** AU-A-2022276663  
**(21)** 2022276663 **(22)** 02.05.2022  
**(54)** USING ENTROPY TO PREVENT INCLUSION OF PAYLOAD DATA IN CODE EXECUTION LOG DATA  
**(51)** Int. Cl.  
**G06F 21/62** ( 2013.01 )  
**G06F 11/34** ( 2006.01 )  
**G06F 11/36** ( 2006.01 )  
**(87)** WO2022/246359  
**(31)** LU500189 **(32)** 21.05.21 **(33)** LU  
**(43)** 24.11.2022  
**(72)** MOLA, Jordi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** MICROSOFT TECHNOLOGY LICENSING, LLC  
**(11)** AU-A-2022286253  
**(21)** 2022286253 **(22)** 06.05.2022  
**(54)** TRUSTED CUSTODY CHAIN FOR VERIFIABLE CLAIMS  
**(51)** Int. Cl.  
**H04L 9/00** ( 2022.01 )  
**H04L 9/32** ( 2006.01 )

**H04L 9/40** ( 2022.01 )  
**(87)** WO2022/256119  
**(31)** 17/334,869 **(32)** 31.05.21 **(33)** US  
**(43)** 08.12.2022  
**(72)** MURDOCH, Brandon Brian; PATEL, Ankur; SACHS, Eric Christopher  
**(74)** Davies Collison Cave Pty Ltd

**(71)** MINERVAX APS  
**(11)** AU-A-2022248869  
**(21)** 2022248869 **(22)** 29.03.2022  
**(54)** IMMUNOGENIC FUSION PROTEIN  
**(51)** Int. Cl.  
**A61K 39/09** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**C07K 14/315** ( 2006.01 )  
**(87)** WO2022/207657  
**(31)** 21165674.9 **(32)** 29.03.21 **(33)** EP  
**(43)** 06.10.2022  
**(72)** PEDERSEN FISCHER, Per Bo  
**(74)** Davies Collison Cave Pty Ltd

**(71)** MITSUBISHI HEAVY INDUSTRIES, LTD.  
**(11)** AU-A-2022250122  
**(21)** 2022250122 **(22)** 16.05.2022  
**(54)** MONITORING PLAN CREATION DEVICE, MONITORING SYSTEM, MONITORING PLAN CREATION METHOD, AND PROGRAM  
**(51)** Int. Cl.  
**G06Q 10/04** ( 2023.01 )  
**B64C 13/18** ( 2006.01 )  
**B64C 39/02** ( 2023.01 )  
**B64D 47/08** ( 2006.01 )  
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**(31)** 2021-054905 **(32)** 29.03.21 **(33)** JP  
**(43)** 06.10.2022  
**(72)** KOYAMA, Takayuki; MORI, Shigeyuki; FUKAMI, Tomoya  
**(74)** Spruson & Ferguson

**(71)** MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.  
**(11)** AU-A-2022257636  
**(21)** 2022257636 **(22)** 09.02.2022  
**(54)** OUTDOOR UNIT  
**(51)** Int. Cl.  
**F24F 1/22** ( 2011.01 )  
**F24F 1/24** ( 2011.01 )  
**F24F 11/89** ( 2018.01 )  
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**(43)** 20.10.2022  
**(72)** YAMAGUCHI, Tomomitsu; UNO, Naomichi; KANAMORI, Azusa; HISAMATSU, Shion; MORI, Yuji  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** MODERNATX, INC.  
**(11)** AU-A-2022249137  
**(21)** 2022249137 **(22)** 31.03.2022  
**(54)** PURIFICATION AND RECYCLING OF mRNA NUCLEOTIDE CAPS  
**(51)** Int. Cl.  
**C12N 15/10** ( 2006.01 )  
**C07H 21/02** ( 2006.01 )

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**(31)** 63/169,115 **(32)** 31.03.21 **(33)** US  
 63/320,128 15.03.22 US  
**(43)** 06.10.2022  
**(72)** BEAUDOIN, Jennifer; DIETER, Lance; VIK, Kaelyn  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** MONOSOL, LLC  
**(11)** AU-A-2022269018  
**(21)** 2022269018 **(22)** 06.05.2022  
**(54)** WATER-DISPERSIBLE ARTICLE INCLUDING WATER-DISPERSIBLE CORE CONSTRUCTION  
**(51)** Int. Cl.  
**C11D 17/04** ( 2006.01 )  
**(87)** WO2022/236150  
**(31)** 17/737,946 **(32)** 05.05.22 **(33)** US  
 63/185,632 07.05.21 US  
**(43)** 10.11.2022  
**(72)** KNIGHT, Jonathon, D.; BRIDEWELL, Victoria; RAMASWAMY, Ramya;  
 SLOPEK, Ryan  
**(74)** Spruson & Ferguson

**(71)** MONOSOL, LLC  
**(11)** AU-A-2022269076  
**(21)** 2022269076 **(22)** 06.05.2022  
**(54)** SKIN CLEANSING ARTICLE INCLUDING WATER-DISPERSIBLE AND/OR WATER-SOLUBLE CORE SUBSTRATE  
**(51)** Int. Cl.  
**A61K 8/02** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**A61Q 19/10** ( 2006.01 )  
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**(31)** 17/737,969 **(32)** 05.05.22 **(33)** US  
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**(72)** KNIGHT, Jonathon, D.; BRIDEWELL, Victoria; PRATEL, Julie, S.; GOETZ, Richard; SLOPEK, Ryan  
**(74)** Spruson & Ferguson

**(71)** MONOSOL, LLC  
**(11)** AU-A-2022270173  
**(21)** 2022270173 **(22)** 06.05.2022  
**(54)** WATER-SOLUBLE UNIT DOSE ARTICLE INCLUDING WATER-SOLUBLE CORE CONSTRUCTION  
**(51)** Int. Cl.  
**C11D 17/04** ( 2006.01 )  
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**(72)** KNIGHT, Jonathon, D.; BRIDEWELL, Victoria; RAMASWAMY, Ramya;  
 SLOPEK, Ryan  
**(74)** Spruson & Ferguson

**(71)** MUNTERS EUROPE AKTIEBOLAG  
**(11)** AU-A-2022266976  
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(51) Int. Cl.  
**B01D 53/04** ( 2006.01 )  
**B01D 53/06** ( 2006.01 )  
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(31) 2150531-8 (32) 27.04.21 (33) SE  
(43) 03.11.2022  
(72) ARNELL, Robert; PRESTON, Daniel; MILOTTE, Ryan  
(74) Griffith Hack
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- (71) NAGASE & CO., LTD.; NAGASE CHEMTEX CORPORATION; HAYASHIBARA CO., LTD.  
(11) AU-A-2022251740  
(21) 2022251740 (22) 31.03.2022  
(54) METHOD FOR PRODUCING WATER-SOLUBLE POLYMER AND METHOD FOR PRODUCING WATER-ABSORBING RESIN  
(51) Int. Cl.  
**C08B 31/12** ( 2006.01 )  
**C08H 99/00** ( 2010.01 )  
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(31) 2021-061021 (32) 31.03.21 (33) JP  
(43) 06.10.2022  
(72) OTA, Kusuo; NOZAKI, Takahiro; TANAKA, Atsushi; HOSOMI, Tetsuya; NISHIMOTO, Tomoyuki; MIYATA, Manabu  
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) NAGASE & CO., LTD.; NAGASE CHEMTEX CORPORATION; HAYASHIBARA CO., LTD.  
(11) AU-A-2022251741  
(21) 2022251741 (22) 31.03.2022  
(54) WATER-ABSORBING RESIN  
(51) Int. Cl.  
**C08B 31/12** ( 2006.01 )  
**C08L 3/08** ( 2006.01 )  
**C12P 19/14** ( 2006.01 )  
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(31) 2021-061023 (32) 31.03.21 (33) JP  
(43) 06.10.2022  
(72) OTA, Kusuo; NOZAKI, Takahiro; TANAKA, Atsushi; HOSOMI, Tetsuya; NISHIMOTO, Tomoyuki; MIYATA, Manabu  
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) NALU MEDICAL, INC.  
(11) AU-A-2022240593  
(21) 2022240593 (22) 15.03.2022  
(54) APPARATUS FOR DELIVERING ENHANCED STIMULATION WAVEFORMS  
(51) Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
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(74) Spruson & Ferguson
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- (71) NANJING NUTRABUILDING BIOTECH CO., LTD.  
(11) AU-A-2022258161  
(21) 2022258161 (22) 13.04.2022  
(54) COMPOSITIONS AND METHODS FOR PROMOTING GLYCOGEN SYNTHASE ACTIVITY AND AUGMENTING GLYCOGEN STORAGE CAPABILITY  
(51) Int. Cl.  
**A61K 31/197** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
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(74) Madderns Pty Ltd
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- (71) NANOSPECTRA BIOSCIENCES, INC.  
(11) AU-A-2022259509  
(21) 2022259509 (22) 11.04.2022  
(54) DEVICES AND SYSTEMS FOR ABLATION THERAPY  
(51) Int. Cl.  
**A61B 18/24** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
**A61B 18/22** ( 2006.01 )  
**A61B 18/28** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 41/00** ( 2020.01 )  
**A61N 5/06** ( 2006.01 )  
**A61N 5/067** ( 2006.01 )  
(87) WO2022/221208  
(31) 63/174,431 (32) 13.04.21 (33) US  
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(72) SCHWARTZ, Jon, Alexander; GOODRICH, Glenn, Patrick; MURPHY, Andrew, Mark  
(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71) NATERA, INC.  
(11) AU-A-2022261868  
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(54) METHODS FOR DETERMINING VELOCITY OF TUMOR GROWTH  
(51) Int. Cl.  
**C12Q 1/6886** ( 2018.01 )  
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(31) 63/178,349 (32) 22.04.21 (33) US  
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(74) Adams Pluck
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(11) AU-A-2022254447  
(21) 2022254447 (22) 05.04.2022  
(54) DEVICE FOR HUMAN UPPER ARM ASSISTANCE  
(51) Int. Cl.  
**A61H 1/02** ( 2006.01 )  
**B25J 9/00** ( 2006.01 )  
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(31) 10202103469S (32) 05.04.21 (33) SG  
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(43) 13.10.2022  
(72) DING, Shuo; YU, Haoyong  
(74) Davies Collison Cave Pty Ltd
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- (71) NATIONAL UNIVERSITY OF SINGAPORE  
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(21) 2022255220 (22) 05.04.2022  
(54) A DEVICE FOR HUMAN TRUNK ASSISTANCE  
(51) Int. Cl.  
**A61H 1/02** ( 2006.01 )  
**B25J 9/00** ( 2006.01 )  
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(72) DING, Shuo; YU, Haoyong  
(74) Davies Collison Cave Pty Ltd
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- (71) NESTING SAFE INC.  
(11) AU-A-2022233644  
(21) 2022233644 (22) 10.03.2022  
(54) UNDERGROUND, SUB-SURFACE AND SURFACE MONITORING TECHNOLOGY AND ASYNCHRONOUS DISTRIBUTED SYSTEM  
(51) Int. Cl.  
**G01D 9/00** ( 2006.01 )  
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(31) 63/159,192 (32) 10.03.21 (33) US  
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(74) Franke Hyland Pty Ltd
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- (71) NETSCOUT SYSTEMS, INC.  
(11) AU-A-2022253898  
(21) 2022253898 (22) 07.04.2022  
(54) GENERATING SYNTHETIC TRANSACTIONS WITH PACKETS  
(51) Int. Cl.  
**G06F 15/16** ( 2006.01 )  
**G06F 15/173** ( 2006.01 )  
**G06F 17/00** ( 2019.01 )  
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(72) BARRETT, Paul; KOSBAB, Bruce; SINGHAL, Anil; VOGT, Bob  
(74) Spruson & Ferguson
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(21) 2022242781 (22) 28.03.2022

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**C12N 15/113** ( 2010.01 )
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(74) Spruson & Ferguson
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- (71) NEUROPHYXIA B.V.  
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(21) 2022244003 (22) 23.03.2022  
(54) 2-IMINOBIOTIN FOR USE IN THE TREATMENT OF STROKE  
(51) Int. Cl.  
**A61K 31/4188** ( 2006.01 )  
**A61K 38/49** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
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(72) VAN DEN WIJNGAARD, Ido Remy; PEETERS, Cacha Marie Pétronelle Cathérine Dorothée  
(74) Griffith Hack
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- (71) NINGBO AUX ELECTRIC CO., LTD.; AUX AIR CONDITIONER CO., LTD.  
(11) AU-A-2022338838  
(21) 2022338838 (22) 31.08.2022  
(54) AIR CONDITIONER  
(51) Int. Cl.  
**F24F 13/14** ( 2006.01 )  
**F24F 1/0007** ( 2019.01 )  
**F24F 1/0011** ( 2019.01 )  
**F24F 1/0057** ( 2019.01 )  
**F24F 13/20** ( 2006.01 )  
**F24F 13/22** ( 2006.01 )  
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(74) Griffith Hack
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- (71) NIPPON PAINT (CHINA) CO., LTD.; LANGFANG NIPPON PAINT CO., LTD.  
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(21) 2022383976 (22) 23.06.2022  
(54) LIGHTWEIGHT COMPOSITE TITANIUM DIOXIDE AND PREPARATION METHOD THEREFOR  
(51) Int. Cl.  
**C09C 1/36** ( 2006.01 )  
**C09C 3/06** ( 2006.01 )  
**C09C 3/10** ( 2006.01 )  
**C09D 7/62** ( 2018.01 )  
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(72) SUN, Tong; CHENG, Yi; TANG, Lei; LI, Gang; GAO, Shuangzhi  
(74) Spruson & Ferguson
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- (71) NIPPON PAINT INDUSTRIAL COATINGS CO., LTD.  
(11) AU-A-2022291046  
(21) 2022291046 (22) 22.04.2022  
(54) AQUEOUS COATING COMPOSITION, COATING FILM, AND METHOD FOR PRODUCING COATING FILM  
(51) Int. Cl.  
**C09D 133/04** ( 2006.01 )  
**C08K 5/17** ( 2006.01 )  
**C08K 5/42** ( 2006.01 )  
**C08L 33/14** ( 2006.01 )  
**C08L 61/18** ( 2006.01 )  
**C09D 7/63** ( 2018.01 )  
**C09D 133/14** ( 2006.01 )  
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(31) 2021-097518 (32) 10.06.21 (33) JP  
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(72) SHIMAMURA, Kenichi; AZECHI, Ken-saku; NAMBO, Mitsutaka  
(74) Davies Collison Cave Pty Ltd
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- (71) NIPPON STEEL CORPORATION  
(11) AU-A-2022250149  
(21) 2022250149 (22) 30.03.2022  
(54) TWO-PHASE STAINLESS STEEL WELDED JOINT  
(51) Int. Cl.  
**C22C 38/00** ( 2006.01 )  
**B23K 9/23** ( 2006.01 )  
**B23K 35/30** ( 2006.01 )  
**C22C 38/54** ( 2006.01 )  
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(43) 06.10.2022  
(72) OSUKI, Takahiro; AOTA, Shohgo; IZAWA, Takahiro; KURIHARA, Shinnosuke  
(74) FB Rice Pty Ltd
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- (71) NOKIA TECHNOLOGIES OY  
(11) AU-A-2021436488  
(21) 2021436488 (22) 26.03.2021  
(54) METHODS, APPARATUSES, AND COMPUTER READABLE MEDIA FOR CONFIGURING MEASUREMENT GAP PATTERNS  
(51) Int. Cl.  
**H04W 24/10** ( 2009.01 )  
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(74) WRAYS PTY LTD
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(21) 2021438713 (22) 30.03.2021  
(54) MECHANISM FOR CONFIGURED GRANT TRANSMISSION  
(51) Int. Cl.  
**H04W 72/04** ( 2023.01 )  
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(72) LASELVA, Daniela; TURPINEN, Samuli Heikki; KOSKINEN, Jussi-Pekka; WU, Chunli  
(74) WRAYS PTY LTD
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- (71) NOVARTIS AG  
(11) AU-A-2022258829  
(21) 2022258829 (22) 15.04.2022  
(54) ANTIBODY DRUG CONJUGATES AND METHODS FOR MAKING THEREOF  
(51) Int. Cl.  
**C12N 15/52** ( 2006.01 )  
**A01N 43/00** ( 2006.01 )  
**C12N 9/00** ( 2006.01 )  
**C12N 9/02** ( 2006.01 )  
**C12N 9/10** ( 2006.01 )  
(87) WO2022/221720  
(31) 63/176,046 (32) 16.04.21 (33) US  
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(74) Davies Collison Cave Pty Ltd
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- (71) NOVARTIS AG  
(11) AU-A-2022284366  
(21) 2022284366 (22) 01.06.2022  
(54) 3-(1-OXOISOINDOLIN-2-YL)PIPERIDINE-2,6-DIONE DERIVATIVES AND MEDICAL USES THEREOF  
(51) Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/454** ( 2006.01 )  
**A61K 31/4545** ( 2006.01 )  
**A61K 31/55** ( 2006.01 )  
**A61P 7/00** ( 2006.01 )  
**A61P 7/06** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**C07D 471/08** ( 2006.01 )  
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(31) 63/196,422 (32) 03.06.21 (33) US  
(43) 08.12.2022  
(72) BONAZZI, Simone; CERNIJENKO, Artiom; COBB, Jennifer Stroka; DEWHURST, Janetta; KERRIGAN, John Ryan; SUNG, MooJe; THOMSEN, Noel Marie-France; TING, Pamela YF; O'BRIEN, Gary  
(74) Davies Collison Cave Pty Ltd
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- (71) NURIX THERAPEUTICS, INC.  
(11) AU-A-2022254104  
(21) 2022254104 (22) 08.04.2022  
(54) COMBINATION THERAPIES WITH CBL-B INHIBITOR COMPOUNDS  
(51) Int. Cl.  
**A61K 31/337** ( 2006.01 )

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**A61K 31/502** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**(87)** WO2022/217123  
**(31)** 63/172,644 **(32)** 08.04.21 **(33)** US  
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**(43)** 13.10.2022  
**(72)** GALLOTTA, Marilena; GUIDUCCI, Cris-  
tiana  
**(74)** RnB IP
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- (71)** NUVASIVE, INC.  
**(11)** AU-A-2022253224  
**(21)** 2022253224 **(22)** 01.04.2022  
**(54)** EXPANDABLE IMPLANTS  
**(51)** Int. Cl.  
**A61B 17/80** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
**A61F 2/44** ( 2006.01 )  
**(87)** WO2022/216539  
**(31)** 63/170,532 **(32)** 04.04.21 **(33)** US  
63/170,570 05.04.21 US  
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**(43)** 13.10.2022  
**(72)** BESAW, Christopher; SWEENEY,  
Thomas; UYEKAWA, Scott; MIKELS,  
Garrett; LILLIG, Steven  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** NUVASIVE, INC.  
**(11)** AU-A-2022253872  
**(21)** 2022253872 **(22)** 03.04.2022  
**(54)** SPINAL IMPLANT WITH FLEXIBLE  
SCREW LOCK MECHANISM  
**(51)** Int. Cl.  
**A61F 2/46** ( 2006.01 )  
**A61F 2/30** ( 2006.01 )  
**A61F 2/44** ( 2006.01 )  
**(87)** WO2022/216566  
**(31)** 63/170,531 **(32)** 04.04.21 **(33)** US  
63/188,277 13.05.21 US  
**(43)** 13.10.2022  
**(72)** LILLIG, Steven; SWEENEY, Thomas;  
GLEESON, Garrett; MIKELS, Garrett;  
MCLENNAN, Logan  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** NUVASIVE, INC.  
**(11)** AU-A-2022254677  
**(21)** 2022254677 **(22)** 06.04.2022  
**(54)** DRILL GUIDE  
**(51)** Int. Cl.  
**A61B 17/17** ( 2006.01 )  
**(87)** WO2022/216777  
**(31)** 63/172,444 **(32)** 08.04.21 **(33)** US  
**(43)** 13.10.2022  
**(72)** REECE, Ryan  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** NUVASIVE, INC.  
**(11)** AU-A-2022255162
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- (21)** 2022255162 **(22)** 03.04.2022  
**(54)** EXPANDABLE SPINAL FUSION IM-  
PLANTS AND INSERTION DEVICES  
**(51)** Int. Cl.  
**A61F 2/44** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )  
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**(31)** 63/170,533 **(32)** 04.04.21 **(33)** US  
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**(72)** DONOHOE, John; WOOD, Andrew;  
CARVER, Adam; HILBORN, Nicholas  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** OBI PHARMA, INC.  
**(11)** AU-A-2021443620  
**(21)** 2021443620 **(22)** 28.04.2021  
**(54)** COMBINATION THERAPY BY USING  
AKR1C3-ACTIVATED COMPOUND  
WITH IMMUNE CHECKPOINT INHIB-  
ITOR  
**(51)** Int. Cl.  
**A61K 31/396** ( 2006.01 )  
**C07D 203/22** ( 2006.01 )  
**C07F 9/02** ( 2006.01 )  
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**(72)** LAI, Ming-Tain; LI, Wan-Fen; WANG,  
Chun-Chung; CHEN, Lu-Tzu  
**(74)** Griffith Hack
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- (71)** OHMIUM INTERNATIONAL, INC.  
**(11)** AU-A-2022258843  
**(21)** 2022258843 **(22)** 18.04.2022  
**(54)** URBAN DENSELY PACKED HYDRO-  
GEN GENERATION  
**(51)** Int. Cl.  
**C25B 1/04** ( 2021.01 )  
**C25B 15/02** ( 2021.01 )  
**C25B 15/08** ( 2006.01 )  
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**(31)** 63/175,597 **(32)** 16.04.21 **(33)** US  
**(43)** 20.10.2022  
**(72)** BALLANTINE, Arne; FREELAND, Fre-  
derick, Paul; KARUPPAIAH, Chock-  
kalingam  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** OHRAE INC.  
**(11)** AU-A-2022259284  
**(21)** 2022259284 **(22)** 12.04.2022  
**(54)** REMOTE MANAGEMENT SYSTEM  
AND METHOD FOR UNMANNED  
STORE  
**(51)** Int. Cl.  
**G06Q 50/10** ( 2012.01 )  
**G06Q 10/02** ( 2012.01 )  
**G06Q 20/34** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**G06Q 50/30** ( 2012.01 )  
**G07C 9/00** ( 2020.01 )  
**(87)** WO2022/220544  
**(31)** 10-2021-0047039 **(32)** 12.04.21 **(33)** KR  
**(43)** 20.10.2022  
**(72)** JUNG, Jae Heon; LEE, Dong Uk; AN,  
Seong Hee  
**(74)** FB Rice Pty Ltd
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- (71)** ORICA INTERNATIONAL PTE LTD  
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**(21)** 2022261652 **(22)** 19.04.2022  
**(54)** FRAGMENTATION GEOREFEREN-  
CING  
**(51)** Int. Cl.  
**G01S 17/46** ( 2006.01 )  
**E21C 41/00** ( 2006.01 )  
**F42D 3/04** ( 2006.01 )  
**G01S 19/42** ( 2010.01 )  
**G06T 7/70** ( 2017.01 )  
**(87)** WO2022/221912  
**(31)** 2021901147 **(32)** 19.04.21 **(33)** AU  
**(43)** 27.10.2022  
**(72)** CHEN, Benny; ODY, Michael; KIRBY,  
Meyrick  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** ORIONIS BIOSCIENCES, INC.; ORI-  
ONIS BIOSCIENCES BV  
**(11)** AU-A-2022258840  
**(21)** 2022258840 **(22)** 16.04.2022  
**(54)** IL-2 BASED CONSTRUCTS  
**(51)** Int. Cl.  
**C07K 14/54** ( 2006.01 )  
**A61K 38/20** ( 2006.01 )  
**(87)** WO2022/221746  
**(31)** 63/297,330 **(32)** 07.01.22 **(33)** US  
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**(43)** 20.10.2022  
**(72)** KLEY, Nikolai; DEPLA, Erik; ZABEAU,  
Lennart; CAUWELS, Anje  
**(74)** ALLENS PATENT & TRADE MARK  
ATTORNEYS
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**(11)** AU-A-2022257984  
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**(54)** OPTICAL GYROSCOPES AND METH-  
ODS OF MANUFACTURING OF OP-  
TICAL GYROSCOPES  
**(51)** Int. Cl.  
**G01C 19/64** ( 2006.01 )  
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**(43)** 20.10.2022  
**(72)** ZANDI, Kazem; BEAUDRY, Richard  
**(74)** Spruson & Ferguson
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- (71)** OWENS CORNING INTELLECTUAL  
CAPITAL, LLC  
**(11)** AU-A-2022283905  
**(21)** 2022283905 **(22)** 03.06.2022  
**(54)** FINE FIBER INSULATION PRODUCT  
WITH IMPROVED MATERIAL EFFI-  
CIENCY  
**(51)** Int. Cl.  
**C03C 13/00** ( 2006.01 )  
**C08K 7/14** ( 2006.01 )  
**D04H 1/4218** ( 2012.01 )  
**E04B 1/76** ( 2006.01 )  
**E04B 1/78** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2022287021  
 (21) 2022287021 (22) 03.06.2022  
 (54) FINE FIBER INSULATION PRODUCT  
 (51) Int. Cl.  
*D04H 1/4218* (2012.01)  
*D04H 1/40* (2012.01)  
*D04H 1/4209* (2012.01)  
*C09J 103/00* (2006.01)  
 (87) WO2022/256594  
 (31) 63/196,882 (32) 04.06.21 (33) US  
 (43) 08.12.2022  
 (72) TSAI, Chung-Ying; CHEN, Liang; MUELLER, Gert; GRANT, Larry; GURR, Dan  
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2022257052  
 (21) 2022257052 (22) 15.04.2022  
 (54) ANTI-INFLAMMATORY SIGLEC PROTEINS AND METHODS OF MAKING AND USING SAME  
 (51) Int. Cl.  
*C07K 5/00* (2006.01)  
*A61K 38/00* (2006.01)  
*A61P 35/00* (2006.01)  
*C07K 14/00* (2006.01)  
 (87) WO2022/221707  
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 (72) PENG, Li; NERLE, Sujata B.; SIDDIQUEE, Zakir B.  
 (74) RNB IP PTY LTD
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- (71) PAMA, T.E.  
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 (21) 2022233473 (22) 11.03.2022  
 (54) VISHING DEFENCE METHOD AND SYSTEM  
 (51) Int. Cl.  
*H04M 3/436* (2006.01)  
*H04W 12/122* (2021.01)  
 (87) WO2022/192924  
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 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71) PANAFINA, INC.  
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 (54) METHODS OF SYNTHESIZING LIP-STATIN DERIVATIVES  
 (51) Int. Cl.  
*C07D 305/12* (2006.01)  
*A61K 31/365* (2006.01)  
*A61P 1/18* (2006.01)  
*C07C 67/303* (2006.01)
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- (71) PARTSCH, G.J.  
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 (51) Int. Cl.  
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*E05B 1/04* (2006.01)  
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 (72) PARTSCH, George, J.  
 (74) Alder IP Pty Ltd
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 (54) METHOD OF OPERATING AN ELECTRIC ARC FURNACE AND STEEL MILL  
 (51) Int. Cl.  
*C21B 5/06* (2006.01)  
*C21B 13/00* (2006.01)  
*C21B 13/12* (2006.01)  
 (87) WO2022/223606  
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 (72) KRULL, Jan; PAPALIA, Katia  
 (74) WRAYS PTY LTD
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 (54) METHOD FOR PROVIDING RAW MATERIAL FOR AN INDUSTRIAL PROCESS  
 (51) Int. Cl.  
*C10L 5/00* (2006.01)  
*C10B 39/02* (2006.01)  
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*C10L 5/44* (2006.01)  
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*C10L 5/48* (2006.01)  
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 (72) KINZEL, Klaus Peter; STRÜBER, Georg; DE FRUTOS SANTAMARIA, Juan Luis  
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 (21) 2022249825 (22) 01.04.2022  
 (54) HEATER ASSEMBLY HAVING A SEALED AIRFLOW PATHWAY
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- (71) Int. Cl.  
*H05B 3/42* (2006.01)  
*A24F 40/40* (2020.01)  
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 (72) BESSANT, Michel; CAPELLI, Sébastien; HOW, Jun Jie; SAADE LAT-ORRE, Eva; TURRINI, Enrico; YIM, Jun Wei  
 (74) James & Wells Intellectual Property
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 (54) SUBSTRATE FOR DELIVERING A BIOLOGICALLY ACTIVE SUBSTANCE  
 (51) Int. Cl.  
*A61K 8/02* (2006.01)  
*A61K 9/70* (2006.01)  
*C08G 77/16* (2006.01)  
*C08G 77/26* (2006.01)  
*C08K 5/05* (2006.01)  
*C08K 5/053* (2006.01)  
*C08K 5/5415* (2006.01)  
*C08L 83/04* (2006.01)  
*C09J 183/04* (2006.01)  
 (87) WO2022/219063  
 (31) AM20210028 (32) 15.04.21 (33) AM  
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- (71) PIERIS PHARMACEUTICALS GMBH  
 (11) AU-A-2022241940  
 (21) 2022241940 (22) 23.03.2022  
 (54) HER2/4-1BB BISPECIFIC FUSION PROTEINS FOR THE TREATMENT OF CANCER  
 (51) Int. Cl.  
*A61K 38/00* (2006.01)  
*A61K 39/00* (2006.01)  
*A61K 47/68* (2017.01)  
*A61P 35/00* (2006.01)  
*C07K 16/28* (2006.01)  
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 (74) FB Rice Pty Ltd
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- (71) PIERRE FABRE MEDICAMENT  
 (11) AU-A-2022265543  
 (21) 2022265543 (22) 02.05.2022  
 (54) NEW STABLE ANTI-VISTA ANTIBODY  
 (51) Int. Cl.  
*C07K 16/28* (2006.01)  
*A61P 35/00* (2006.01)  
*G01N 33/574* (2006.01)  
 (87) WO2022/229469  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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 (21) 2022260813 (22) 21.04.2022  
 (54) TRANSDERMAL PHARMACEUTICAL FORMULATIONS FOR THE TREATMENT OF CHRONIC PAIN  
 (51) Int. Cl.  
 A61K 31/352 ( 2006.01 )  
 A61K 9/00 ( 2006.01 )  
 A61K 9/70 ( 2006.01 )  
 A61K 31/05 ( 2006.01 )  
 A61K 31/196 ( 2006.01 )  
 A61P 29/00 ( 2006.01 )  
 C07C 39/23 ( 2006.01 )  
 C07C 229/42 ( 2006.01 )  
 C07D 311/80 ( 2006.01 )  
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 A61K 31/05 ( 2006.01 )  
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 A61P 29/00 ( 2006.01 )  
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 (74) Eagar & Associates Pty Ltd
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 A61K 31/7068 ( 2006.01 )  
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 A61P 35/00 ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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- (71) PIP INNOVATIONS B.V.  
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 (54) ALIGNMENT CONVEYOR  
 (51) Int. Cl.  
 B26D 7/06 ( 2006.01 )  
 B26D 1/143 ( 2006.01 )  
 B26D 1/28 ( 2006.01 )  
 B26D 5/00 ( 2006.01 )  
 B65G 27/00 ( 2006.01 )  
 B65G 27/16 ( 2006.01 )  
 (87) WO2022/223546  
 (31) 21169219.9 (32) 19.04.21 (33) EP  
 (43) 27.10.2022  
 (72) KROEF, Bart  
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- (71) PLANTARC BIO LTD.  
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 (54) TRANSGENIC PLANTS WITH IMPROVED TRAITS  
 (51) Int. Cl.  
 C12N 15/82 ( 2006.01 )  
 A01H 5/00 ( 2018.01 )  
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 (31) 63/178,171 (32) 22.04.21 (33) US  
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 (72) SHALITIN, Dror; GRIMBERG, Noam; KATZ, Aviva  
 (74) PIPERS
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- (71) PLUG POWER INC.  
 (11) AU-A-2022261168  
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 (54) HEAT EXCHANGING CHANNEL FORMING AN INTERNAL CAVITY THAT STORES CRYOGENIC MATERIAL  
 (51) Int. Cl.  
 F17C 3/10 ( 2006.01 )  
 F17C 13/00 ( 2006.01 )  
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 (72) SHOEMAKE, Elijah  
 (74) Zone Patents Limited
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- (71) POPSOCKETS LLC  
 (11) AU-A-2022267291  
 (21) 2022267291 (22) 28.04.2022  
 (54) SYSTEM AND METHOD FOR PROVIDING A MAGNETIC-BASED CONTROLLER FOR A MOBILE ELECTRONIC DEVICE  
 (51) Int. Cl.  
 H04M 1/04 ( 2006.01 )  
 G01C 17/02 ( 2006.01 )  
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 (72) BARNETT, David B.; DOURMASHKIN, Steven; NAHUM, Altan  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) PREDISURGE  
 (11) AU-A-2022259567
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- (21) 2022259567 (22) 14.04.2022  
 (54) METHOD FOR MODELLING A HEART VALVE  
 (51) Int. Cl.  
 G06T 17/20 ( 2006.01 )  
 A61B 34/00 ( 2016.01 )  
 G06T 7/00 ( 2017.01 )  
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 (31) 21305509.8 (32) 16.04.21 (33) EP  
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 (72) MOUSAVI, S. Jamaledin; PERRIN, David  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) PRELUDE CORPORATION  
 (11) AU-A-2022249152  
 (21) 2022249152 (22) 31.03.2022  
 (54) PD-L1 AS A PREDICTIVE MARKER FOR THERAPY IN CANCER  
 (51) Int. Cl.  
 G01N 33/574 ( 2006.01 )  
 A61N 5/00 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C12Q 1/6886 ( 2018.01 )  
 G01N 33/50 ( 2006.01 )  
 C12Q 1/00 ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (21) 2022252992 (22) 16.03.2022  
 (54) PHOTOBIOREACTOR SYSTEMS AND METHODS  
 (51) Int. Cl.  
 C12M 1/00 ( 2006.01 )  
 A01G 33/00 ( 2006.01 )  
 C12M 1/34 ( 2006.01 )  
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 (31) 63/172,407 (32) 08.04.21 (33) US  
 17/564,779 29.12.21 US  
 (43) 13.10.2022  
 (72) PERRY, Beau G.  
 (74) Spruson & Ferguson
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 (54) SYSTEMS AND METHODS FOR DEEPWATER PHOTOBIOREACTOR  
 (51) Int. Cl.  
 C12M 1/00 ( 2006.01 )  
 A01G 33/00 ( 2006.01 )  
 C12M 1/09 ( 2006.01 )  
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(11) AU-A-2022258701  
(21) 2022258701 (22) 15.04.2022  
(54) HYPERIMMUNIZED EGG PRODUCT FOR TREATING OR PREVENTING ALCOHOLIC LIVER DISEASE AND GRAFT-VERSUS-HOST DISEASE  
(51) Int. Cl.  
A61K 35/57 (2015.01)  
A61P 1/16 (2006.01)  
A61P 37/06 (2006.01)  
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(74) HENRY HUGHES IP LTD
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(21) 2021448387 (22) 03.06.2021  
(54) SYSTEMS AND METHODS ASSOCIATED WITH A REMOVABLE INLET SHIELD  
(51) Int. Cl.  
F02C 7/055 (2006.01)  
(87) WO2022/256010  
(43) 08.12.2022  
(72) DANDACHLI, Joe  
(74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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(54) REVERSIBLE ANCHOR FOR SPINAL CORD STIMULATOR LEAD  
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A61N 1/36 (2006.01)  
A61B 17/88 (2006.01)  
A61B 90/00 (2016.01)  
A61M 25/10 (2013.01)  
A61N 1/05 (2006.01)  
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(74) WRAYS PTY LTD
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(54) PHARMACEUTICAL COMPOSITION, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF  
(51) Int. Cl.  
A61K 31/675 (2006.01)  
A61K 9/20 (2006.01)  
A61K 9/26 (2006.01)  
A61P 35/00 (2006.01)  
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(74) PHILLIPS ORMONDE FITZPATRICK
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(11) AU-A-2022255719  
(21) 2022255719 (22) 08.04.2022  
(54) INTEGRATED CIRCUIT HAVING MIRRORED PIXEL CONFIGURATION  
(51) Int. Cl.  
H01L 27/146 (2006.01)  
H01L 27/148 (2006.01)  
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G01N 37/00 (2006.01)  
G01N 33/24 (2006.01)  
G06N 3/04 (2023.01)  
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G02F 1/01 (2006.01)  
G02F 1/35 (2006.01)  
H01Q 23/00 (2006.01)  
H01S 5/10 (2021.01)  
H01S 5/14 (2006.01)  
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G06N 3/00 (2023.01)  
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G06N 20/20 (2019.01)  
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G01S 7/00 (2006.01)  
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H01Q 3/26 (2006.01)  
H01Q 3/30 (2006.01)  
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A01N 25/04 (2006.01)  
A01N 49/00 (2006.01)  
A01N 53/00 (2006.01)  
A01N 65/12 (2009.01)  
A01N 65/22 (2009.01)  
A01N 65/28 (2009.01)  
A01N 65/44 (2009.01)  
A01P 7/00 (2006.01)  
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 KLINKENBERG, Luke Emmanuel  
**(74)** James & Wells Intellectual Property

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 COZEN THERAPEUTICS PVT. LTD.  
**(11)** AU-A-2022255809  
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**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/502** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**G21C 19/20** ( 2006.01 )  
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 ATING A COMMINATION PROCESS  
 IN A BALL MILL  
**(51)** Int. Cl.  
**B02C 17/18** ( 2006.01 )  
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**G01H 1/00** ( 2006.01 )  
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 PRISING A LAUNCH PIN  
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**H01R 24/66** ( 2011.01 )  
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**(74)** WRAYS PTY LTD

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 LARIZATION  
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**H01Q 9/30** ( 2006.01 )  
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 TREMOR  
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 PROVED MEASUREMENT OF COM-  
 POUND ACTION POTENTIALS  
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**A61B 5/00** ( 2006.01 )  
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**A61B 5/30** ( 2021.01 )  
**A61B 5/301** ( 2021.01 )  
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**(54)** FOLDABLE ELECTRONIC DEVICE  
**(51)** Int. Cl.  
**G06F 1/16** ( 2006.01 )  
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 H.; MACKENZIE, L.  
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 STRUCTS AND COMPOSITIONS  
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 CAGE  
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**E05B 15/04** ( 2006.01 )  
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 ELECTRICAL SYSTEM ISSUES  
**(51)** Int. Cl.  
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**G08B 21/18** ( 2006.01 )  
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**C02F 3/34** ( 2023.01 )  
**B09B 3/00** ( 2022.01 )  
**C02F 1/00** ( 2023.01 )  
**C02F 3/28** ( 2023.01 )  
**C02F 11/04** ( 2006.01 )  
**C02F 11/123** ( 2019.01 )  
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**B29C 44/14** ( 2006.01 )  
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**B29C 44/58** ( 2006.01 )  
**B29C 45/14** ( 2006.01 )  
**B62J 1/00** ( 2006.01 )  
**B29L 31/00** ( 2006.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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**B05D 1/12** ( 2006.01 )  
**B32B 5/16** ( 2006.01 )  
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**C07D 213/89** ( 2006.01 )  
**A61K 31/44** ( 2006.01 )  
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**H01L 31/078** ( 2012.01 )  
**H01L 31/02** ( 2006.01 )  
**H01L 31/0216** ( 2014.01 )  
**H01L 31/0224** ( 2006.01 )  
**H01L 31/068** ( 2012.01 )  
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 (74) BOSH IP Pty Ltd
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 (54) SYSTEM FOR DETECTING THE PATH OF MOVING OBJECTS  
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**B64G 3/00** ( 2006.01 )  
**G01V 8/00** ( 2006.01 )  
**G02B 23/00** ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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**A61K 38/00** ( 2006.01 )  
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 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
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 (54) METHOD AND SYSTEM FOR PREDICTING SAND FAILURE IN A HYDROCARBON PRODUCTION WELL AND METHOD AND SYSTEM FOR PRODUCING HYDROCARBON FLUIDS FROM AN EARTH FORMATION  
 (51) Int. Cl.  
**E21B 43/00** ( 2006.01 )  
**E21B 47/06** ( 2012.01 )  
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 (72) MENDEZ MARTINEZ, Hector Luis; KINGHORN, Paul Lawrence; QUEIPO, Nestor Vinicio  
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 (11) AU-A-2022271829  
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 (54) PROCESS FOR HYDROPROCESSING MATERIALS FROM RENEWABLE SOURCES  
 (51) Int. Cl.  
**B01J 8/00** ( 2006.01 )  
**B01D 24/10** ( 2006.01 )  
**B01D 24/20** ( 2006.01 )  
**B01D 29/15** ( 2006.01 )  
**B01D 29/54** ( 2006.01 )  
**B01D 39/20** ( 2006.01 )  
**B01J 8/04** ( 2006.01 )

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**C10G 45/00** ( 2006.01 )  
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SEARCH MAATSCHAPPIJ B.V.  
(11) AU-A-2022271836  
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(54) A REACTOR SYSTEM INCLUDING  
A CATALYST BED MODULE AND  
PROCESS FOR THE SELECTIVE  
CATALYTIC REDUCTION OF NITRO-  
GEN OXIDES CONTAINED IN GAS  
STREAMS  
(51) Int. Cl.  
**B01D 53/86** ( 2006.01 )  
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(72) KLINK, Wassim  
(74) Pizeys Patent and Trade Mark Attor-  
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SEARCH MAATSCHAPPIJ B.V.  
(11) AU-A-2022274992  
(21) 2022274992 (22) 05.05.2022  
(54) METHOD FOR PREDICTING GEO-  
LOGICAL FEATURES FROM THIN  
SECTION IMAGES USING A DEEP  
LEARNING CLASSIFICATION PRO-  
CESS  
(51) Int. Cl.  
**G06V 10/25** ( 2022.01 )  
**G06V 10/82** ( 2022.01 )  
**G06V 20/69** ( 2022.01 )  
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(54) CERAMIC COMPOSITE  
(51) Int. Cl.  
**B28B 5/00** ( 2006.01 )  
**B28B 11/24** ( 2006.01 )  
**C04B 37/00** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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PHARMACEUTICAL CO., LTD.; KLUS  
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**C25B 1/04** ( 2021.01 )  
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**C10J 3/00** ( 2006.01 )  
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(54) PRODUCTS AND COMPOSITIONS  
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TIMATING CORE BODY TEMPURAT-  
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PARAMETERS AND EXTERNAL TEM-  
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(51) Int. Cl.  
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SCAFFOLD  
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**(11)** AU-A-2022256771  
**(21)** 2022256771 ( **22** ) 13.04.2022  
**(54)** METHOD FOR MANUFACTURING PAPER AND CARDBOARD  
**(51)** Int. Cl.  
**D21H 17/37** ( 2006.01 )  
**C08F 2/32** ( 2006.01 )  
**C08F 8/00** ( 2006.01 )  
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 MARTEL, Bastien  
**(74)** Davies Collison Cave Pty Ltd
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**(21)** 2022258761 ( **22** ) 13.04.2022  
**(54)** METHOD FOR MANUFACTURING PAPER AND CARDBOARD  
**(51)** Int. Cl.  
**D21H 17/37** ( 2006.01 )  
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**(54)** COMPOSITIONS AND METHODS USING A COMBINATION OF AT LEAST ONE FIBER AND AT LEAST ONE PROBIOTIC TO IMPROVE MICROBIO-ME RESILIENCE  
**(51)** Int. Cl.  
**A23L 33/135** ( 2016.01 )  
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**(11)** AU-A-2022263641  
**(21)** 2022263641 ( **22** ) 07.04.2022  
**(54)** VARIANT BACTERIAL STRAINS AND PROCESSES FOR PROTEIN OR BIOMASS PRODUCTION  
**(51)** Int. Cl.  
**C12N 1/20** ( 2006.01 )  
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**(11)** AU-A-2022265340  
**(21)** 2022265340 ( **22** ) 07.04.2022  
**(54)** METHODS AND SYSTEMS OF PRODUCING NUTRITIONAL SUPPLEMENT FROM MICROBIAL CELLS  
**(51)** Int. Cl.  
**C12N 1/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**B64G 1/58** ( 2006.01 )  
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**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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**G06Q 20/00** ( 2012.01 )  
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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
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 LAYUROVA, Mariya  
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 (54) SEABED FOUNDATIONS (54) WEED CONTROL METHOD  
 (51) Int. Cl. (51) Int. Cl.  
 F16L 1/12 (2006.01) A01N 37/10 (2006.01)  
 E02B 1/00 (2006.01) C07C 69/614 (2006.01)  
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 E21B 1/00 (2006.01) James Nicholas; HENNESSY, Alan  
 E21B 43/00 (2006.01) Joseph; FRYE, Elizabeth Catherine;  
 F16L 1/18 (2006.01) DALE, Suzanna; ASPINALL, Ian Henry  
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 METHOD (51) Int. Cl.  
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 C02F 9/00 (2023.01) G01S 5/00 (2006.01)  
 C02F 1/24 (2023.01) G01S 5/02 (2010.01)  
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 (51) Int. Cl. (51) Int. Cl.  
 A01N 65/12 (2009.01) A61K 47/68 (2017.01)  
 A01M 1/20 (2006.01) A61P 35/00 (2006.01)  
 A01N 25/18 (2006.01) C07C 51/15 (2006.01)  
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 (21) 2022265112 (22) 25.03.2022 (21) 2022236566 (22) 18.03.2022  
 (54) COMPOSITION FOR PROMOTING LIPOLYSIS (54) AN ELECTROLYSER  
 (51) Int. Cl. (51) Int. Cl.  
 A23L 33/20 (2016.01) C25B 1/04 (2021.01)  
 A23L 33/175 (2016.01) C25B 9/05 (2021.01)  
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 (54) USE OF LUVADAXISTAT FOR THE TREATMENT OF COGNITIVE IMPAIRMENT  
 (51) Int. Cl.  
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 A61K 45/06 (2006.01)  
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 (11) AU-A-2022255421  
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 (54) METHOD FOR ACTIVATING T-CELLS  
 (51) Int. Cl.  
 C12N 5/0783 (2010.01)  
 C07K 16/28 (2006.01)  
 C12N 15/12 (2006.01)  
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 (21) 2022260843 (22) 21.04.2022  
 (54) PEPTIDES COMPRISING A PHOSPHORYLCHOLINE CONJUGATE AND METHODS OF SYNTHESIZING SAME  
 (51) Int. Cl.  
 C07K 1/06 (2006.01)  
 A61K 31/661 (2006.01)  
 A61K 38/03 (2006.01)  
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 (51) Int. Cl.  
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 C25B 1/04 (2021.01)  
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 H01M 8/04119 (2016.01)  
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 G06Q 20/32 (2012.01)  
 G06Q 20/34 (2012.01)  
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 H04L 9/40 (2022.01)  
 H04W 12/06 (2021.01)  
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**C07D 401/00** ( 2006.01 )  
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*C08G 81/00* (2006.01)  
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*G06Q 30/02* (2023.01)  
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H04W 4/02 ( 2018.01 )  
G01S 5/02 ( 2010.01 )  
G01S 5/04 ( 2006.01 )  
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B65D 65/46 ( 2006.01 )  
B65D 5/68 ( 2006.01 )  
C11D 17/04 ( 2006.01 )  
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C12N 15/861 ( 2006.01 )  
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C12N 5/0787 ( 2010.01 )  
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G01N 33/48 ( 2006.01 )  
G01N 33/50 ( 2006.01 )  
G01N 33/68 ( 2006.01 )  
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C07K 14/005 ( 2006.01 )  
C12N 15/87 ( 2006.01 )  
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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C07K 5/08 ( 2006.01 )  
A61K 39/39 ( 2006.01 )  
A61P 37/02 ( 2006.01 )  
A61P 37/04 ( 2006.01 )  
C07F 9/6593 ( 2006.01 )  
C07K 5/06 ( 2006.01 )  
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C07K 14/115 ( 2006.01 )  
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A61P 35/00 ( 2006.01 )  
C12N 5/0786 ( 2010.01 )  
C12N 5/0787 ( 2010.01 )  
C12N 5/10 ( 2006.01 )  
C12N 15/62 ( 2006.01 )  
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(74) Origin Patent and Trade Mark Attorneys
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**B25B 27/00** ( 2006.01 )  
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 G01N 27/327 ( 2006.01 )  
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- (71) YILDIRIM, A.  
 (11) AU-A-2022254592  
 (21) 2022254592 (22) 05.04.2022  
 (54) LIFE-EXTENDED ELECTRODE USED IN LIQUID-COOLED PLASMA ARC CUTTING TORCHES WITH COOLING SURFACE INCREASE BY SCRAPING FROM TOP TO BOTTOM ON THE INNER SURFACES WASHED BY COOLANT, BY PRESSING ON THE BOTTOM, BY CREATING INDENTATIONS AND PROTRUSIONS THAT EXTEND IN PARALLEL AND/OR AT THE SAME ANGLE AS WELL AS INSTANT HEAT TRANSFER SPEED INCREASE BY THE APPROACH OF THE HEAT TRANSFER WALL  
 (51) Int. Cl.  
     **B23K 10/02** ( 2006.01 )  
     **H05H 1/26** ( 2006.01 )  
     **H05H 1/28** ( 2006.01 )  
 (87) WO2022/216261  
 (31) 2021/006109 (32) 06.04.21 (33) TR 13.10.2022  
 (72) YILDIRIM, Ahmet  
 (74) PIPERS
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- (71) YILDIRIM, A.  
 (11) AU-A-2022260604  
 (21) 2022260604 (22) 06.04.2022
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- (54) ELECTRODE MADE BY SURFACE INCREASE OF COOLING SURFACES CONNECTING EMITTER CUTTER TIP (INSERT) FOR PLASMA CUTTING TORCHES WITH COPPER ELECTRODE BODY  
 (51) Int. Cl.  
     **B23K 10/00** ( 2006.01 )  
     **B23K 26/00** ( 2014.01 )  
 (87) WO2022/225490  
 (31) 2021/006962 (32) 21.04.21 (33) TR 27.10.2022  
 (72) YILDIRIM, Ahmet  
 (74) PIPERS
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- (71) ZHEJIANG UNIVERSITY  
 (11) AU-A-2022234499  
 (21) 2022234499 (22) 11.03.2022  
 (54) FUSED RING HETEROCYCLIC COMPOUND AND APPLICATION THEREOF, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME AND APPLICATION THEREOF  
 (51) Int. Cl.  
     **C07D 417/04** ( 2006.01 )  
     **A61K 31/437** ( 2006.01 )  
     **A61P 25/28** ( 2006.01 )  
 (87) WO2022/188876  
 (31) 202110267927.1 (32) 11.03.21 (33) CN 202110267914.4 11.03.21 CN 202110267929.0 11.03.21 CN  
 (43) 15.09.2022  
 (72) YANG, Wei; ZOU, Hongbin; YU, Peilin; LI, Jinbiao; ZHANG, Yi; FANG, Qiuyan; YE, Peiwu  
 (74) Davies Collison Cave Pty Ltd
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- (71) ZIMMER US, INC.  
 (11) AU-A-2022266781  
 (21) 2022266781 (22) 27.04.2022  
 (54) AUGMENTED REALITY PATIENT ASSESSMENT MODULE  
 (51) Int. Cl.  
     **G16H 50/20** ( 2018.01 )  
     **A61B 5/11** ( 2006.01 )  
     **A61B 34/10** ( 2016.01 )  
     **A61B 90/00** ( 2016.01 )  
     **G16H 20/30** ( 2018.01 )  
 (87) WO2022/232250  
 (31) 63/180,456 (32) 27.04.21 (33) US 63/303,683 27.01.22 US  
 (43) 03.11.2022  
 (72) SPOONER, Ted; VAN ANDEL, Dave; PINHEIRO, Paulo Alexandre da Torre; BOREKTSIOGLOU, Ioannis  
 (74) PHILLIPS ORMONDE FITZPATRICK

## Numerical Index

2021345955	MANUFACTURING COST CALCULATION (MCCAB) AKTIEBOLAG	2022233687	KARE CHEMICAL TECHNOLOGIES INC.
2021431809	BIOENVISION TECHNOLOGY AS	2022233792	JANSSEN BIOTECH, INC.
2021432101	ANDALIBIAN, A.	2022233940	AMO GRONINGEN B.V.
2021433868	CAS LAMVAC (GUANGZHOU) BIOMEDICAL TECHNOLOGY CO., LTD.	2022233979	JANSSEN BIOTECH, INC.
2021434109	WORMS SAFETY EUROPE	2022234037	MAROTTA EVOLUTION S.R.L.
2021435630	KIMBERLY-CLARK WORLDWIDE, INC.	2022234285	EXTIEL AP, LLC
2021436488	NOKIA TECHNOLOGIES OY	2022234385	PYLES, S.T.
2021436617	KIM, M.	2022234388	BETA PHARMA, INC.
2021436858	BALA INDUSTRIES AND ENTERTAINMENT PRIVATE LIMITED	2022234473	MEDTRONIC, INC.
2021437908	EXO IMAGING, INC.	2022234499	ZHEJIANG UNIVERSITY
2021438713	NOKIA TECHNOLOGIES OY	2022234522	LES LABORATOIRES SERVIER
2021439258	CREATIVE BIOTHERAPEUTICS, LLC	2022234785	INSPIRE MEDICAL SYSTEMS, INC.
2021439656	3M INNOVATIVE PROPERTIES COMPANY	2022234872	MEDOS INTERNATIONAL SARL
2021439740	WATERSHED MEDICAL INC	2022235093	SERPENT SCALE SYSTEMS LLC
2021440013	WELLUMIO LIMITED	2022235097	PARTSCH, G.J.
2021440046	3M INNOVATIVE PROPERTIES COMPANY	2022235210	HÄRING, T.; HÄRING, D.
2021440177	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2022235416	TRINCE BV
2021440208	BLOOCELL SAĞLIK TEKNOLOJİLERİ SANAYİ VE TİCARET LİMİTED ŞİRKETİ	2022236030	KIRIN HOLDINGS KABUSHIKI KAISHA
2021440526	LANDIS+GYR AG	2022236248	EVONIK OPERATIONS GMBH
2021440645	ENEOS CORPORATION	2022236303	IQ ENERGY INC.
2021441476	CARBONSCAPE LIMITED	2022236395	DANN, R.; HUWE, A.
2021442100	BHANUSHALI, D.P.	2022236492	MEDIMMUNE LIMITED
2021442353	FLAMELOGIC OY	2022236566	SUPERCritical SOLUTIONS LTD
2021442832	CONCEPT SERVICES IP PTY LTD	2022236715	SEDE ENVIRONNEMENT
2021443323	KONE CORPORATION	2022236775	KILCOY PASTORAL COMPANY LIMITED
2021443452	CONCEPT SERVICES IP PTY LTD	2022236795	VERTIKAL GREEN TECH Ltd.
2021443620	OBI PHARMA, INC.	2022236913	KASHIV BIOSCIENCES, LLC
2021443863	F. HOFFMANN-LA ROCHE AG	2022236938	SC MEDICAL PTY LTD
2021443986	EQUINIX, INC.	2022237020	KIRIN HOLDINGS KABUSHIKI KAISHA
2021444377	SHILDAN, INC.	2022238339	SHATTUCK LABS, INC.
2021444487	BARD PERIPHERAL VASCULAR, INC.	2022238470	AETHER MASK, LLC
2021447478	BEJO ZADEN B.V.	2022239004	TAGWORKS PHARMACEUTICALS B.V.
2021448387	PTP TURBO SOLUTIONS, LLC.; DANDACHLI, J.	2022239581	KRASNOPEROV, V.
2021450573	HUAWEI TECHNOLOGIES CO., LTD.	2022239629	HOWMEDICA OSTEONICS CORP.
2021452636	HENAN YUEXIN INTELLIGENT MACHINERY CO., LTD	2022239714	USG INTERIORS, LLC
2021455544	CHIYODA CORPORATION	2022239752	CHIESI FARMACEUTICI S.P.A.
2021464041	SHANGRAO JINKO SOLAR TECHNOLOGY DEVELOPMENT CO., LTD.	2022239776	KATHOLIEKE UNIVERSITEIT LEUVEN
2022205117	GUANGZHOU INSIGHTER BIOTECHNOLOGY CO., LTD	2022239846	UCL BUSINESS LTD
2022228417	TAKEDA PHARMACEUTICAL COMPANY LIMITED; NEUROCRINE BIOSCIENCES, INC.	2022239909	SYS-PRO GMBH
2022230035	MENTOR WORLDWIDE LLC	2022239917	GESTAMEN KUTATÁS FEJLESZTÉS ZRT.
2022231808	ALCOA OF AUSTRALIA LIMITED	2022240111	XANANTEC TECHNOLOGIES INC.
2022232007	JANSSEN BIOTECH, INC.	2022240588	BIO-RAD LABORATORIES, INC.
2022232194	DELTA LABORATORIES HOLDING B.V.	2022240593	NALU MEDICAL, INC.
2022232272	MEDTRONIC, INC.	2022240797	BÜHLER AG
2022232443	JANSSEN BIOTECH, INC.	2022240929	CHIESI FARMACEUTICI S.P.A.
2022232452	DISC MEDICINE, INC.	2022241064	SHARE MY SPACE
2022232475	ARRAY TECHNOLOGIES, INC.	2022241853	BAKER HUGHES OILFIELD OPERATIONS LLC
2022232651	ARULA TECHNOLOGIES PTY LTD	2022241940	PIERIS PHARMACEUTICALS GMBH
2022232856	CHUGAI SEIYAKU KABUSHIKI KAISHA; F. HOFFMANN-LA ROCHE AG	2022242073	INNOVATIVE ASH SOLUTIONS LIMITED
2022233178	DISC MEDICINE, INC.	2022242150	ECOMEMBRANE SPA
2022233221	SHANGHAI JEMINCARE PHARMACEUTICAL CO., LTD; JIANGXI JEMINCARE GROUP CO., LTD	2022242476	SICHUAN KELUN-BIOTECH BIOPHARMACEUTICAL CO., LTD.
2022233254	JANSSEN PHARMACEUTICA NV	2022242632	ASTRAZENECA AB
2022233473	PAMA, T.E.	2022242781	NEUMIRNA THERAPEUTICS APS
2022233479	GLATT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG	2022242786	COMERCIAL DE FESTES I REVETLLES, S.L.; LIUYANG YUEBANWAN ARTS & CRAFTS MANUFACTURING CO, LTD
2022233518	JANSSEN BIOTECH, INC.	2022242898	STRONG FORCE TX PORTFOLIO 2018, LLC
2022233644	NESTING SAFE INC.	2022243063	MCGRATH, G.
		2022243650	TORAY INDUSTRIES, INC.
		2022244003	NEUROPHYXIA B.V.
		2022244161	BAUER, S.J.
		2022245155	SUBLIME SYSTEMS, INC.
		2022245297	BIO THERM HYDRONIC, INC.
		2022245946	WELLTEC A/S
		2022246046	UNIVERSITÄT BERN
		2022246639	ELC MANAGEMENT LLC
		2022246670	THE REGENTS OF THE UNIVERSITY OF MICHIGAN

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

2022246843	MATTHEWS INTERNATIONAL CORPORATION	2022254592	YILDIRIM, A.
2022247120	HYUNDAI PHARM CO., LTD.	2022254677	NUVASIVE, INC.
2022247261	CATERPILLAR INC.	2022254852	AIRA ROBOTICS, S.L.
2022247330	RESMED PTY LTD	2022254867	LIGNOSOL IP LIMITED
2022247395	AFRICAN RAINBOW MINERALS LIMITED	2022254939	QUEEN'S UNIVERSITY AT KINGSTON
2022247482	WELSPUN FLOORING LIMITED	2022254952	LIVENT USA CORP.
2022248199	AMPA MEDICAL APS	2022255056	THERAVECTYS; SHANGHAI JINWEI BIOTECHNOLOGY CO., LTD.; INSTITUT PASTEUR
2022248473	DENKA COMPANY LIMITED	2022255162	NUVASIVE, INC.
2022248578	KOBAYASHI PHARMACEUTICAL CO., LTD.	2022255183	BIOAGE LABS, INC.
2022248869	MINERVAX APS	2022255220	NATIONAL UNIVERSITY OF SINGAPORE
2022248891	KLOTHO SCIENCES	2022255307	GULBA, D.
2022248963	TYCO FIRE & SECURITY GMBH	2022255317	SUBLIME SYSTEMS, INC.
2022249086	BECTON, DICKINSON AND COMPANY	2022255377	DABCO LIMITED
2022249137	MODERNATX, INC.	2022255421	TAKEDA PHARMACEUTICAL COMPANY LIMITED; NOILE-IMMUNE BIOTECH INC.
2022249152	PRELUDE CORPORATION	2022255451	S.P.M. INSTRUMENT AB
2022249371	VESTARON CORPORATION	2022255594	DABCO LIMITED
2022249383	ARIES SECURITY, LLC	2022255719	QUANTUM-SI INCORPORATED
2022249398	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY	2022255795	DABCO LIMITED
2022249825	PHILIP MORRIS PRODUCTS S.A.	2022255803	LIGNOSOL IP LIMITED
2022250122	DAIICHI KASEI CHEMICAL INDUSTRIES, LTD.	2022255809	RHIZEN PHARMACEUTICALS AG; INCOZEN THERAPEUTICS PVT. LTD.
2022250149	NIPPON STEEL CORPORATION	2022255859	BUDDYING UP PTY LTD
2022251604	CENTRO DE INMUNOLOGIA MOLECULAR	2022255990	PINOTBIO, INC.
2022251740	NAGASE & CO., LTD.; NAGASE CHEMTEX CORPORATION; HAYASHIBARA CO., LTD.	2022256045	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
2022251741	NAGASE & CO., LTD.; NAGASE CHEMTEX CORPORATION; HAYASHIBARA CO., LTD.	2022256059	SCHLAGE LOCK COMPANY LLC
2022251869	GIVAUDAN SA	2022256235	SLEEPING DUCK PTY LTD
2022251900	KLOTHO SCIENCES	2022256236	CBN ENERGY PTY LTD
2022252247	GARUDA THERAPEUTICS, INC.	2022256276	INFINIUM TECHNOLOGY, LLC
2022252253	SCHNEIDER ELECTRIC USA, INC.	2022256437	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM
2022252319	BECTON, DICKINSON AND COMPANY	2022256439	BRIMSTONE ENERGY, INC.
2022252951	ACONDICIONAMIENTO TARRASENSE	2022256440	FAST IP, LLC
2022252992	PREMIUM OCEANIC INC.	2022256445	CATERPILLAR INC.
2022253020	SANA BIOTECHNOLOGY, INC.; CRUITE, P.; AMATYA, S.; HARDING, H.; MACKENZIE, L.	2022256491	ILLUMINA, INC.; ILLUMINA CAMBRIDGE LIMITED
2022253068	EMORY UNIVERSITY	2022256718	UNITEC S.P.A.
2022253147	LIGNOSOL IP LIMITED	2022256771	SNF GROUP
2022253155	EASYFIX HAIR DESIGN LTD.	2022256785	FOSECO INTERNATIONAL LIMITED
2022253184	TOKUYAMA CORPORATION; SCHOOL CORPORATION; AZABU VETERINARY MEDICINE EDUCATIONAL INSTITUTION	2022256791	XERO PHARMACEUTICALS IP B.V.
2022253215	HENDRICKSON USA, L.L.C.	2022256822	HIROC-X DEVELOPMENTS LIMITED
2022253220	CAREFUSION 303, INC.	2022256952	SALUDA MEDICAL PTY LTD
2022253224	NUVASIVE, INC.	2022256994	SUBSEA 7 (US) LLC
2022253360	DABCO LIMITED	2022256998	BARD ACCESS SYSTEMS, INC.
2022253365	LUBRIZOL ADVANCED MATERIALS, INC.	2022257002	ADARX PHARMACEUTICALS, INC.
2022253577	LPW TECHNOLOGY LTD	2022257051	ENSOMA, INC.
2022253584	IMPULSE DYNAMICS NV	2022257052	PALLEON PHARMACEUTICALS INC.
2022253683	IMMUNIC AG	2022257089	CAPRA BIOSCIENCES, INC.
2022253872	NUVASIVE, INC.	2022257111	CORNER THERAPEUTICS, INC.
2022253887	VIZN ENERGY SYSTEMS, INC.	2022257112	UOP LLC
2022253898	NETSCOUT SYSTEMS, INC.	2022257254	SUEZ INTERNATIONAL
2022253899	BATTELLE MEMORIAL INSTITUTE	2022257308	KOHERENT OY
2022253906	ANJI BRUNO, LLC	2022257325	HIROC-X DEVELOPMENTS LIMITED
2022253936	LIGNOSOL IP LIMITED	2022257344	PIKE THERAPEUTICS INC.
2022253975	SUMITOMO CHEMICAL COMPANY, LIMITED	2022257414	IHI CORPORATION
2022254003	AUTO MOSSA HOLDINGS LIMITED	2022257531	LG CHEM, LTD.
2022254015	PREMIUM OCEANIC INC.	2022257538	VALVETIGHT HOLDING BV
2022254072	LINNAEUS THERAPEUTICS, INC.	2022257583	CATERPILLAR GLOBAL MINING EQUIPMENT LLC
2022254104	NURIX THERAPEUTICS, INC.	2022257584	CATERPILLAR INC.
2022254105	MEI PHARMA, INC.	2022257636	MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.
2022254108	EMORY UNIVERSITY	2022257733	SUNTORY HOLDINGS LIMITED
2022254109	SMITH, G.	2022257962	SAAB AB
2022254141	MCCAIN FOODS LIMITED	2022257978	WEAROPTIMO PTY LTD
2022254210	LPW TECHNOLOGY LTD	2022257984	OSCP MOTION SENSING INC.
2022254219	LIGNOSOL IP LIMITED	2022258093	HUNTSMAN PETROCHEMICAL LLC
2022254447	NATIONAL UNIVERSITY OF SINGAPORE	2022258105	ADS THERAPEUTICS LLC
2022254510	JCDECAUX SE	2022258161	NANJING NUTRABUILDING BIO-TECH CO., LTD.
2022254512	TRUATA LIMITED	2022258184	BASF AGRICULTURAL SOLUTIONS SEED US LLC
2022254519	DABCO LIMITED	2022258203	SAGE THERAPEUTICS, INC.
2022254566	IXS CO., LTD.	2022258304	CLAROS TECHNOLOGIES INC.



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

2022258307	MEMORIAL SLOAN-KETTERING CANCER CENTER; MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES; SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH	2022261027	TUOJIE BIOTECH (SHANGHAI) CO., LTD.
2022258312	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	2022261098	PANAFINA, INC.
2022258405	DE' LONGHI APPLIANCES S.R.L.	2022261115	TEMPUS LABS, INC.
2022258464	SIRNAOMICS, INC.	2022261168	PLUG POWER INC.
2022258469	FIDELITY INFORMATION SERVICES, LLC	2022261180	CRANE & CO., INC.
2022258561	VIRTUE LABS, LLC	2022261182	HEMEX HEALTH, INC.
2022258593	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA; THE JOHNS HOPKINS UNIVERSITY	2022261348	ROLLS-ROYCE SMR LIMITED
2022258691	ILLUMINA, INC.; ILLUMINA CAMBRIDGE LIMITED	2022261377	PAUL WURTH S.A.
2022258701	PRODIGY BIOTECH	2022261435	THRIVE BV
2022258719	ESSA PHARMA INC.	2022261459	BAE SYSTEMS PLC
2022258731	FREE FLOW MEDICAL, INC.	2022261464	RECKITT & COLMAN (OVERSEAS) HYGIENE HOME LIMITED
2022258739	HACANOKA GMBH	2022261652	ORICA INTERNATIONAL PTE LTD
2022258757	DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS	2022261699	SAAB AB
2022258761	SNF GROUP	2022261760	KOREA INSTITUTE OF OCEAN SCIENCE & TECHNOLOGY
2022258780	COMPAGNIE LAITIERE EUROPEENNE	2022261792	C DUPÉ PTY LTD
2022258781	ENVICAN GMBH	2022261795	CLEANTECH GEOMECHANICS INC.
2022258807	HIROC-X DEVELOPMENTS LIMITED	2022261799	WEX PHARMACEUTICALS INC.
2022258829	NOVARTIS AG	2022261848	LANDIS+GYR TECHNOLOGY, INC.
2022258833	MARS, INCORPORATED	2022261860	LINEAGE LOGISTICS, LLC
2022258837	LYDIAN LABS, INC.	2022261868	NATERA, INC.
2022258840	ORIONIS BIOSCIENCES, INC.; ORIONIS BIOSCIENCES BV	2022261922	ALEXION PHARMACEUTICALS, INC.
2022258843	OHMIUM INTERNATIONAL, INC.	2022262101	BIOSION INC.
2022258905	HIROC-X DEVELOPMENTS LIMITED	2022262168	UNABIZ
2022258944	HALLURA LTD.	2022262194	VISCOFAN, S.A.
2022258954	BAKER HUGHES OILFIELD OPERATIONS LLC	2022262407	UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED
2022258992	ASPALLI GREEN SUSTAINABLE ECOSYSTEM PRIVATE LIMITED	2022262435	VIBES & LOGIC, INC.
2022259009	ALLWAVES B.V.	2022262685	CRANE & CO., INC.
2022259019	TINCOIL LTD	2022262787	HAYWARD INDUSTRIES, INC.
2022259046	AGROVENTURES S.R.L.	2022262789	GEVO, INC.
2022259090	ARTHROSURFACE, INC.	2022262833	ARTRYA LIMITED
2022259105	CCL SECURE PTY LTD	2022262841	UNIVERSITY OF SASKATCHEWAN
2022259284	OHRAE INC.	2022262856	PLANTARC BIO LTD.
2022259428	KITE PHARMA, INC.	2022263070	CHANGCHUN GENESCENCE PHARMACEUTICAL CO., LTD.
2022259481	BROOKHAVEN SCIENCE ASSOCIATES, LLC	2022263295	ANTAROS MEDICAL AB
2022259509	NANOSPECTRA BIOSCIENCES, INC.	2022263327	W. L. GORE & ASSOCIATES, INC.
2022259547	PHILIP MORRIS PRODUCTS S.A.	2022263418	IOVANCE BIOTHERAPEUTICS, INC.; ZHANG, Y.
2022259567	PREDISURGE	2022263627	AESCULAP AG
2022259606	ALAMO GROUP INC.	2022263641	SOLAR FOODS OY
2022259613	SINGER SOURCING LIMITED LLC	2022263770	THALES DIS FRANCE SAS
2022259637	HIROC-X DEVELOPMENTS LIMITED	2022264169	ECZACIBASI MONROL NUKLEER URUNLER SANAYI VE TICARET ANONIM SIRKETI
2022259667	ILLUMINA, INC.; ILLUMINA CAMBRIDGE LIMITED	2022264249	UNIVERSITY OF TASMANIA
2022259870	BREVILLE PTY LIMITED	2022264377	CAPTIVE-AIRE SYSTEMS, INC.
2022259878	UNIVERSITY OF SASKATCHEWAN; BATTELLE ENERGY ALLIANCE, LLC	2022264513	BARD ACCESS SYSTEMS, INC.
2022260109	PIP INNOVATIONS B.V.	2022264724	SIEMENS ENERGY GLOBAL GMBH & CO. KG
2022260114	ADA COSMETICS INTERNATIONAL GMBH	2022264781	ITRON, INC.
2022260121	PAUL WURTH S.A.	2022264815	GE HEALTHCARE LIMITED
2022260122	SYNGENTA CROP PROTECTION AG	2022264859	HATCH LTD.
2022260191	TORAY INDUSTRIES, INC.	2022264962	MBDA UK LIMITED
2022260255	LANDIS+GYR TECHNOLOGY, INC.	2022265091	ELECTROLUX APPLIANCES AKTIEBOLAG
2022260463	EXPLICATIS GMBH	2022265112	SUNTORY HOLDINGS LIMITED
2022260478	ELLODI PHARMACEUTICALS, L.P.	2022265340	SOLAR FOODS OY
2022260558	DRK BLUTSPENDEDIENST BADEN-WÜRTTEMBERG-HESSEN GGMBH; ZENTRUM FÜR KLINISCHE TRANSFUSIONSMEDIZIN TÜBINGEN GGMBH (ZKT)	2022265543	PIERRE FABRE MEDICAMENT
2022260559	GENOVIS AB	2022266032	ELECTROLUX APPLIANCES AKTIEBOLAG
2022260561	UNIQUIRE BIOPHARMA B.V.	2022266287	HITACHI, LTD.
2022260604	YILDIRIM, A.	2022266781	ZIMMER US, INC.
2022260804	LANDIS+GYR AG	2022266805	EXTRAKT PROCESS SOLUTIONS, LLC
2022260813	PIKE THERAPEUTICS, INC.	2022266934	JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.
2022260837	B.G. NEGEV TECHNOLOGIES AND APPLICATIONS LTD., AT BEN-GURION UNIVERSITY	2022266955	TECHNISCHE UNIVERSITÄT MÜNCHEN
2022260843	TARSIER PHARMA LTD.	2022266976	MUNTERS EUROPE AKTIEBOLAG
		2022267051	GRIFOLS WORLDWIDE OPERATIONS LIMITED
		2022267279	ITRON, INC.
		2022267291	POPSOCKETS LLC
		2022267545	CHANGCHUN GENESCENCE PHARMACEUTICAL CO., LTD.
		2022267761	GIVAUDAN SA
		2022267866	IN & TEC S.R.L.

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

2022268037	KUKI SANGYO CORPORATION	2022286253	MICROSOFT TECHNOLOGY LICENSING, LLC
2022268409	FULLARD, H.	2022286406	CO-DIAGNOSTICS, INC.
2022268460	DYNASCAN TECHNOLOGY CORP.	2022287001	SICHUAN KELUN-BIOTECH BIOPHARMACEUTICAL CO., LTD.; KLUS PHARMA INC.
2022268510	RESEARCH BY BRITISH LITHIUM LIMITED	2022287021	OWENS CORNING INTELLECTUAL CAPITAL, LLC
2022268566	VIEGA TECHNOLOGY GMBH & CO. KG	2022287309	THAI POLYETHYLENE CO.,LTD.
2022268577	DOMPÉ FARMACEUTICI S.P.A.	2022288722	VALLOUREC OIL AND GAS FRANCE; NIPPON STEEL CORPORATION
2022268937	TRIANNI, INC.	2022289658	ESSITY HYGIENE AND HEALTH AKTIEBOLAG
2022269009	SLEEP NUMBER CORPORATION	2022291046	NIPPON PAINT INDUSTRIAL COATINGS CO., LTD.
2022269018	MONOSOL, LLC	2022292103	GENFIT
2022269076	MONOSOL, LLC	2022294073	GENENTECH, INC.
2022269348	EXSCIENTIA AI LIMITED	2022296129	WEIR MINERALS AUSTRALIA LTD
2022269512	KARAS GROUP LLC	2022296339	RAYTHEON COMPANY
2022269532	LEER GROUP	2022296922	SELLE ROYAL GROUP S.P.A.
2022269605	CELLSIGHT TECHNOLOGIES INC.	2022297013	WEIR MINERALS AUSTRALIA LTD
2022270022	ELECTROLUX HOME PRODUCTS, INC.	2022300249	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022270031	RAYTHEON COMPANY	2022300273	RAYTHEON BBN TECHNOLOGIES, CORP.
2022270033	VALMONT INDUSTRIES, INC.	2022303776	KOMATSU LTD.
2022270084	CO-DIAGNOSTICS, INC	2022305165	KOMATSU LTD.
2022270091	CARBON ENGINEERING LTD.	2022306151	QILU PHARMACEUTICAL CO., LTD.
2022270144	ELI LILLY AND COMPANY	2022309635	BEIJING JINGDONG QIANSHI TECHNOLOGY CO., LTD.
2022270171	GB002, INC.	2022310752	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI
2022270173	MONOSOL, LLC	2022316026	LG ENERGY SOLUTION, LTD.
2022270363	F. HOFFMANN-LA ROCHE AG	2022317803	ABBVIE INC.
2022270932	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.	2022338838	NINGBO AUX ELECTRIC CO., LTD.; AUX AIR CONDITIONER CO., LTD.
2022270951	CAMBRIDGE GLYCOSCIENCE LTD	2022345676	CJ CHEILJEDANG CORPORATION
2022271094	TODOC CO., LTD.	2022364301	MERIL LIFE SCIENCES PVT LTD.
2022271331	AGENUS INC.	2022369154	MERIL LIFE SCIENCES PVT LTD
2022271346	DENTAL MANUFACTURING UNIT GMBH	2022383976	NIPPON PAINT (CHINA) CO., LTD.; LANGFANG NIPPON PAINT CO., LTD.
2022271583	UNILEVER GLOBAL IP LIMITED	2022386222	CHENGDU CHEMPHYS CHEMICAL INDUSTRY CO., LTD.; SINOLITHIUM MATERIALS LIMITED
2022271607	GENFIT	2022386794	MERIL LIFE SCIENCES PVT LTD
2022271829	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.	2022387578	CHENGDU CHEMPHYS CHEMICAL INDUSTRY CO LTD; SINOLITHIUM MATERIALS LIMITED
2022271836	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.	2022390775	EPIRUS, INC.
2022272291	BOSTON SCIENTIFIC SCIMED, INC.	2022423923	FURUKAWA ELECTRIC CO., LTD.
2022272414	GENFIT	2022423924	BIOPROTON PTY LTD
2022273136	SHANGHAI QILU PHARMACEUTICAL RESEARCH AND DEVELOPMENT CENTRE LTD.	2022444394	TENCENT AMERICA LLC
2022273204	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	2022445031	Left Hand Robotics, Inc.; TENCENT AMERICA LLC
2022273269	THE BOEING COMPANY	2023228698	VOW GROUP PTY LTD
2022273707	CARBON ENGINEERING LTD.		
2022273787	GLOBAL BLOOD THERAPEUTICS, INC.		
2022274304	GENFIT		
2022274680	MICROSOFT TECHNOLOGY LICENSING, LLC		
2022274905	INJECTION SAFETY INDUSTRIES, LLC		
2022274992	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.		
2022274997	ALD VACUUM TECHNOLOGIES GMBH		
2022275115	UNILEVER GLOBAL IP LIMITED		
2022275863	BOSTON SCIENTIFIC SCIMED, INC.		
2022275952	UNIVERSITY OF SOUTHERN CALIFORNIA		
2022276663	MICROSOFT TECHNOLOGY LICENSING, LLC		
2022277374	WILHELM LAYHER VERWALTUNGS-GMBH		
2022277401	SYNGENTA CROP PROTECTION AG		
2022277580	LB PHARMACEUTICALS INC.		
2022277767	SOCIETE DES PRODUITS NESTLE SA		
2022277885	UNIVERSITY OF SOUTHERN CALIFORNIA		
2022278600	GEORG MENSHEN GMBH & CO. KG		
2022278734	LENOVO (SINGAPORE) PTE. LTD.		
2022279064	VALMONT INDUSTRIES, INC.		
2022279311	IMS TRADING, LLC		
2022280346	TOPSOE A/S		
2022280862	FOLDÉ INC.		
2022280967	STOKE SPACE TECHNOLOGIES, INC.		
2022281113	TOPSOE A/S		
2022281245	GANGULY, G.		
2022281871	SAMSUNG ELECTRONICS CO., LTD.		
2022283094	FRIESLANDCAMPINA NEDERLAND B.V.		
2022283562	LANXESS DEUTSCHLAND GMBH		
2022283905	OWENS CORNING INTELLECTUAL CAPITAL, LLC		
2022284366	NOVARTIS AG		

IPC Index

<b><u>A01C 1 /-</u></b>	<b><u>A01N 25 /-</u></b>	<b><u>A23D 9 /-</u></b>	<b><u>A41B 13 /-</u></b>	<b><u>A47G 25 /-</u></b>	<b><u>A61B 6 /-</u></b>
2022258992	2022253975 2022255307 2022261464	2022268037	2022261792	2022256440	2022262833
<b><u>A01D 34 /-</u></b>	<b><u>A01N 37 /-</u></b>	<b><u>A23F 3 /-</u></b>	<b><u>A41C 3 /-</u></b>	<b><u>A47J 27 /-</u></b>	<b><u>A61B 90 /-</u></b>
2022259606	2022277401	2022236030 2022237020	2022232651	2022259870	2022234385 2022234872 2022236938 2022264513 2022266781
<b><u>A01G 13 /-</u></b>	<b><u>A01N 43 /-</u></b>	<b><u>A23G 3 /-</u></b>	<b><u>A41D 13 /-</u></b>	<b><u>A47J 31 /-</u></b>	<b><u>A61C 13 /-</u></b>
2022258184	2022255307 2022258829	2022258833	2022238470	2022258405 2022283094	2022271346
<b><u>A01G 25 /-</u></b>	<b><u>A01N 47 /-</u></b>	<b><u>A23G 9 /-</u></b>	<b><u>A41F 1 /-</u></b>	<b><u>A47J 36 /-</u></b>	<b><u>A61C 7 /-</u></b>
2022270033 2022279064	2022255307	2022270951	2022261792	2022259870	2022271346
<b><u>A01G 33 /-</u></b>	<b><u>A01N 49 /-</u></b>	<b><u>A23J 1 /-</u></b>	<b><u>A43B 11 /-</u></b>	<b><u>A47J 43 /-</u></b>	<b><u>A61C 7 /-</u></b>
2022252992 2022254015	2022261464	2022265340	2022256440	2022254141	2022271346
<b><u>A01G 9 /-</u></b>	<b><u>A01N 53 /-</u></b>	<b><u>A23K 10 /-</u></b>	<b><u>A43B 21 /-</u></b>	<b><u>A47K 3 /-</u></b>	<b><u>A61F 13 /-</u></b>
2022236795 2022245297	2022253184 2022265340 2022279311	2022256440	2022256440	2022268409	2022248199 2022274905 2022289658
<b><u>A01H 1 /-</u></b>	<b><u>A01N 63 /-</u></b>	<b><u>A23K 20 /-</u></b>	<b><u>A44B 11 /-</u></b>	<b><u>A47K 5 /-</u></b>	<b><u>A61F 2 /-</u></b>
2021447478	2022205117 2022258184 2022259046	2022205117 2022277767 2022279311 2022423924	2022261792	2021435630 2022260114	2022230035 2022232651 2022233940 2022239629 2022253224 2022253872 2022255162 2022258731 2022259090 2022364301 2022369154 2022386794
<b><u>A01H 5 /-</u></b>	<b><u>A01N 65 /-</u></b>	<b><u>A23K 50 /-</u></b>	<b><u>A44C 11 /-</u></b>	<b><u>A61B 17 /-</u></b>	
2021447478 2022257733 2022262856	2022253975 2022258184 2022261464 2022345676	2022253184	2022244161	2022234385 2022234872 2022239629 2022253224 2022254677 2022258731 2022259090 2022259509 2022263627 2022269512 2022272291 2022275863	<b><u>A61F 5 /-</u></b>
<b><u>A01H 6 /-</u></b>	<b><u>A01P 11 /-</u></b>	<b><u>A23L 13 /-</u></b>	<b><u>A44C 17 /-</u></b>	<b><u>A61B 18 /-</u></b>	2022248199 2022275863
2021447478 2022257733	2022262194	2022262194	2022244161	2022249086 2022259509 2022272291	<b><u>A61F 7 /-</u></b>
<b><u>A01J 25 /-</u></b>	<b><u>A01P 17 /-</u></b>	<b><u>A23L 2 /-</u></b>	<b><u>A44C 27 /-</u></b>	<b><u>A61B 34 /-</u></b>	2022248578
2022234037	2022255307	2022257733	2022244161	2022259567 2022264513 2022266781	<b><u>A61F 9 /-</u></b>
<b><u>A01J 27 /-</u></b>	<b><u>A01P 21 /-</u></b>	<b><u>A23L 27 /-</u></b>	<b><u>A45D 7 /-</u></b>	<b><u>A61B 5 /-</u></b>	2022268577 2022255220
2022234037	2022261464	2022257733	2022253155	2021440013 2022232272 2022234473 2022256952 2022257978 2022264513 2022266781 2022269009 2022270363	<b><u>A61J 1 /-</u></b>
<b><u>A01K 39 /-</u></b>	<b><u>A01P 7 /-</u></b>	<b><u>A23L 29 /-</u></b>	<b><u>A47B 73 /-</u></b>	<b><u>A61B 50 /-</u></b>	2022268577
2022240111	20222423924	2022423924	2022270022	2022269577 2022268577	<b><u>A61J 7 /-</u></b>
<b><u>A01K 5 /-</u></b>	<b><u>A22B 5 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A47C 19 /-</u></b>		<b><u>A61K 31 /-</u></b>
2022240111	2022253975 2022261464	2022248891 2022251900 2022257733 2022258833 2022261435 2022265112 2022300249	2022256235	2021439740 2021443620	
<b><u>A01K 67 /-</u></b>	<b><u>A22C 17 /-</u></b>	<b><u>A23P 30 /-</u></b>	<b><u>A47D 13 /-</u></b>		
2022254852	2022236775	2022240797 2022258780	2022260463		
2022260837 2022268937	<b><u>A23C 19 /-</u></b>	<b><u>A24F 40 /-</u></b>	<b><u>A47D 9 /-</u></b>		
<b><u>A01M 1 /-</u></b>	<b><u>A23C 9 /-</u></b>		2022260463		
2022253975	2022234037		<b><u>A47G 21 /-</u></b>		
<b><u>A01N 1 /-</u></b>			2021436858		
2022260558	2022258780	2022249825			

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

2021443863	<b><u>A61K 36 /-</u></b>	2022257733	<b><u>A61M 25 /-</u></b>	<b><u>A61P 25 /-</u></b>	2022262101
2022228417		2022261799			2022263418
2022232452	2022253365	2022266934	2021444487	2022228417	2022265543
2022233178	2022265112	2022287001	2022234385	2022234499	2022266934
2022233221	2022267761		2022252319	2022251900	2022269348
2022233254		<b><u>A61K 48 /-</u></b>	2022256998	2022252951	2022270171
2022234388	<b><u>A61K 38 /-</u></b>		2022264513	2022258203	2022271331
2022234499		2022239846	2022280862	2022263070	2022275952
2022239752	2021439258	2022257002		2022267051	2022287001
2022240929	2021443863	2022257051	<b><u>A61M 35 /-</u></b>	2022267761	2022306151
2022242476	2022232443	2022258593		2022270144	2022317803
2022242632	2022236913	2022260561	2022256791	2022277580	
2022242781	2022238339				<b><u>A61P 37 /-</u></b>
2022244003	2022239581	<b><u>A61K 51 /-</u></b>	<b><u>A61M 39 /-</u></b>	<b><u>A61P 27 /-</u></b>	2022239752
2022246670	2022241940	2022269605	2021444487	2022258105	2022240929
2022247120	2022244003		2022252319		2022251604
2022248891	2022257052	<b><u>A61K 8 /-</u></b>	2022253220	<b><u>A61P 29 /-</u></b>	2022255809
2022249398	2022258840				2022258701
2022251900	2022260191	2022246639	<b><u>A61M 5 /-</u></b>	2022233221	2022259878
2022252951	2022260559	2022253155		2022252951	2022262841
2022253068	2022260561	2022253365	2022253220	2022257344	2022269348
2022254104	2022260843	2022258561		2022258464	2022277767
2022254105	2022263418	2022259547	<b><u>A61N 1 /-</u></b>	2022260813	
2022254108	2022267051	2022269076		2022261799	<b><u>A61P 39 /-</u></b>
2022255809			2022234385	2022263070	2022260191
2022255990	<b><u>A61K 39 /-</u></b>	<b><u>A61K 9 /-</u></b>	2022234473		
2022256437	2021443863		2022234785	<b><u>A61P 3 /-</u></b>	<b><u>A61P 43 /-</u></b>
2022257002	2022232443	2021439740	2022240593	2022255183	2022258464
2022257344	2022232856	2022236248	2022253584	2022265112	2022260191
2022257531	2022233254	2022242632	2022256952	2022267545	
2022258105	2022233518	2022253906	2022271094		
2022258161	2022233979	2022256437	<b><u>A61N 5 /-</u></b>	<b><u>A61P 31 /-</u></b>	<b><u>A61P 5 /-</u></b>
2022258203	2022236492	2022257344		2021439258	2022258719
2022258719	2022241940	2022257531	2021433868	2022248473	
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2022260478	2022248869	2022259547	2022259509	2022253068	2022232452
2022260813	2022251604	2022260478	<b><u>A61P 1 /-</u></b>	2022254108	2022233178
2022260843	2022253906	2022260813		2022258757	2022260191
2022261027	2022254104	2022261799	2022236492	2022262841	2022273787
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2022261799	2022257111	2022265112	2022258464	2022271607	
2022261922	2022259428	2022270144	2022258701	2022272414	<b><u>A61P 9 /-</u></b>
2022263070	2022259878	2022306151	2022260478		2022244003
2022263418	2022262101		2022261098	<b><u>A61P 35 /-</u></b>	2022255183
2022265112	2022262841	<b><u>A61L 15 /-</u></b>	2022274304	2021433868	
2022266934	2022266934		2022292103	2021443863	<b><u>A61Q 19 /-</u></b>
2022267545	2022268937	2022258944	2022300249	2022233254	2022253365
2022269348	2022271331	<b><u>A61L 24 /-</u></b>		2022233518	2022269076
2022270171	2022273136		<b><u>A61P 11 /-</u></b>	2022238339	
2022271607	2022275952	<b><u>A61L 27 /-</u></b>		2022239004	
2022272414	2022277767		2022233221	2022239581	<b><u>A61Q 5 /-</u></b>
2022273787		<b><u>A61K 41 /-</u></b>	<b><u>A61P 13 /-</u></b>	2022239752	2022246639
2022274304		202227580		2022240929	2022253155
2022277580	2022235416	2022277885	<b><u>A61P 15 /-</u></b>	2022241940	2022258561
202227885	2022259509	2022284366		2022242476	
2022284366		2022306151	2021439740	2022242632	<b><u>B01D 1 /-</u></b>
	<b><u>A61K 45 /-</u></b>		2022248891	2022246670	2021442832
<b><u>A61K 33 /-</u></b>		<b><u>A61L 31 /-</u></b>	2022255183	2022249152	
2021439740	2022228417			2022253906	2021442832
	2022233254	<b><u>A61M 1 /-</u></b>	<b><u>A61P 17 /-</u></b>	2022254072	<b><u>B01D 11 /-</u></b>
<b><u>A61K 35 /-</u></b>	2022254104			2022254104	2022259019
	2022260191	<b><u>A61M 16 /-</u></b>	<b><u>A61P 21 /-</u></b>	2022254105	
2021433868	2022271607			2022255809	2022240588
2022233254		2022267051	2022232856	2022255990	
2022252247	<b><u>A61K 47 /-</u></b>		2022247120	2022257052	
2022258307	2021439258	<b><u>A61M 16 /-</u></b>	2022258161	2022258719	
2022258701	2022236913			2022258757	
2022263418	2022239004	2022247330		2022259428	
	2022241940			2022260191	
	2022256437				

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

<b><u>B01D 21 /-</u></b>	<b><u>B01J 6 /-</u></b>	<b><u>B08B 1 /-</u></b>	<b><u>B23K 9 /-</u></b>	<b><u>B29C 65 /-</u></b>	<b><u>B60P 7 /-</u></b>
2021442832	2021441476	2022233479	2022250149	2022230035	2021452636
<b><u>B01D 24 /-</u></b>	2022258807	<b><u>B09B 101 /-</u></b>	<b><u>B23P 17 /-</u></b>	<b><u>B29L 31 /-</u></b>	<b><u>B60R 11 /-</u></b>
2022271829	2022258905	2022242073	2022258739	2022296922	2022269532
<b><u>B01D 29 /-</u></b>	<b><u>B01J 8 /-</u></b>	<b><u>B09B 3 /-</u></b>	<b><u>B23P 6 /-</u></b>	<b><u>B32B 25 /-</u></b>	<b><u>B60R 15 /-</u></b>
2021439656	2022271829	2022236303	2022233479	2022232651	2022268409
2022271829	<b><u>B01L 3 /-</u></b>	2022236715	<b><u>B25B 27 /-</u></b>	2022247482	<b><u>B60R 9 /-</u></b>
<b><u>B01D 3 /-</u></b>	2022264249	2022242073	2022268566	<b><u>B32B 27 /-</u></b>	2022269532
2022273707	2022270084	<b><u>B21B 1 /-</u></b>	<b><u>B25J 9 /-</u></b>	2022232651	<b><u>B62B 5 /-</u></b>
<b><u>B01D 35 /-</u></b>	<b><u>B02C 17 /-</u></b>	2022258739	2022254447	2022247482	2022235097
2021440046	2022255451	<b><u>B21D 39 /-</u></b>	2022255220	2022258781	<b><u>B32B 5 /-</u></b>
<b><u>B01D 37 /-</u></b>	<b><u>B02C 18 /-</u></b>	2022268566	<b><u>B26D 1 /-</u></b>	<b><u>B32B 5 /-</u></b>	<b><u>B62D 43 /-</u></b>
2022270091	2022259606	<b><u>B21F 13 /-</u></b>	2022254141	2022235093	2022269532
<b><u>B01D 39 /-</u></b>	<b><u>B02C 21 /-</u></b>	2022260109	2022260109	<b><u>B32B 7 /-</u></b>	<b><u>B62D 63 /-</u></b>
2022271829	2022259606	<b><u>B26D 3 /-</u></b>	<b><u>B33Y 10 /-</u></b>	2022235093	2022309635
<b><u>B01D 53 /-</u></b>	<b><u>B02C 25 /-</u></b>	2022254141	2022232651	<b><u>B33Y 40 /-</u></b>	<b><u>B62D 9 /-</u></b>
2022256236	2022255451	<b><u>B26D 5 /-</u></b>	2022232651	2022253577	2022269532
2022256276	2022259606	2022260109	<b><u>B33Y 50 /-</u></b>	2022254210	<b><u>B62J 1 /-</u></b>
2022266976	<b><u>B02C 9 /-</u></b>	2022258739	2022232651	<b><u>B33Y 80 /-</u></b>	2022296922
2022270091	2022259606	<b><u>B22C 7 /-</u></b>	<b><u>B28B 11 /-</u></b>	2022232651	<b><u>B63B 35 /-</u></b>
2022271836	<b><u>B03C 1 /-</u></b>	2022246843	2021444377	<b><u>B33Y 80 /-</u></b>	<b><u>B63B 79 /-</u></b>
2022273707	2022268510	<b><u>B22C 9 /-</u></b>	<b><u>B28B 5 /-</u></b>	2022232651	<b><u>B64C 13 /-</u></b>
<b><u>B01D 61 /-</u></b>	<b><u>B03D 1 /-</u></b>	2022246843	2021444377	<b><u>B41M 3 /-</u></b>	<b><u>B64C 39 /-</u></b>
2022270091	2022266805	2022256785	<b><u>B29B 17 /-</u></b>	2022259105	2022232194
<b><u>B01D 9 /-</u></b>	<b><u>B05B 11 /-</u></b>	<b><u>B22D 7 /-</u></b>	2022236395	2022262685	<b><u>B64C 39 /-</u></b>
2022270091	2021435630	2022256785	2022257112	<b><u>B42D 25 /-</u></b>	2022250122
<b><u>B01J 12 /-</u></b>	<b><u>B05B 13 /-</u></b>	<b><u>B22F 10 /-</u></b>	<b><u>B29C 33 /-</u></b>	2022259105	<b><u>B64D 47 /-</u></b>
2022258807	2022233479	2022253577	2022232651	2022261180	2022250122
2022258905	2022268409	2022254210	2022296922	2022262685	<b><u>B64G 1 /-</u></b>
<b><u>B01J 13 /-</u></b>	<b><u>B05B 9 /-</u></b>	<b><u>B22F 12 /-</u></b>	<b><u>B29C 39 /-</u></b>	<b><u>B60G 11 /-</u></b>	<b><u>B64G 3 /-</u></b>
2022236248	2022268409	2022253577	2022232651	2022253215	2022280967
<b><u>B01J 19 /-</u></b>	<b><u>B05D 1 /-</u></b>	2022254210	<b><u>B29C 44 /-</u></b>	<b><u>B60G 9 /-</u></b>	<b><u>B64G 3 /-</u></b>
2022256822	2022235093	<b><u>B22F 9 /-</u></b>	2022296922	2022253215	2022241064
2022258807	2022239714	2022274997	<b><u>B29C 45 /-</u></b>	<b><u>B60H 1 /-</u></b>	<b><u>B65D 3 /-</u></b>
2022258905	<b><u>B05D 3 /-</u></b>	2022254592	2022296922	2022264377	2022258781
2022264859	2022268409	2022260604	<b><u>B29C 64 /-</u></b>	<b><u>B60J 9 /-</u></b>	<b><u>B65D 47 /-</u></b>
2022273707	2022239714	<b><u>B23K 10 /-</u></b>	2022246843	2022264377	2021435630
<b><u>B01J 20 /-</u></b>	<b><u>B05D 5 /-</u></b>	2022254592	2022253577	<b><u>B60P 3 /-</u></b>	<b><u>B65D 5 /-</u></b>
2022258304	2022239714	2022260604	2022254210	2021452636	2022271583
2022386222	<b><u>B05D 7 /-</u></b>	<b><u>B23K 26 /-</u></b>	<b><u>B29C 35 /-</u></b>	2022309635	2022275115
2022387578	2022239714	2022233479	2022250149		
<b><u>B01J 31 /-</u></b>	<b><u>B07C 5 /-</u></b>	2022260604			
2021441476	2022239714	2022233479			
	2022256718	2022260604			

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

<b>B65D 65 /-</b>	<b>C01F 11 /-</b>	<b>C04B 26 /-</b>	<b>C07D 203 /-</b>	2022267545	2022249398
2022248578	2022256439	2022258093	2021443620	2022269348	2022253906
2022271583	<b>C01F 5 /-</b>	<b>C04B 28 /-</b>	<b>C07D 207 /-</b>	2022284366	2022254104
<b>B65D 75 /-</b>	2022256439	2022242073	2022239004	<b>C07D 473 /-</b>	2022255421
2022278600	<b>C01F 7 /-</b>	2022245155	2022269605	<b>C07D 487 /-</b>	2022258307
<b>B65D 81 /-</b>	2022231808	<b>C04B 35 /-</b>	2022265112	2022234388	2022259428
2022248578	2022256439	2022256785	<b>C07D 213 /-</b>	2022242476	2022262101
<b>B65D 88 /-</b>	<b>C01G 23 /-</b>	<b>C04B 37 /-</b>	<b>C07D 233 /-</b>	2022263070	2022265543
2021442832	2021442353	2021444377	2022265112	<b>C07D 491 /-</b>	2022266934
2021443452	2022386222	<b>C04B 7 /-</b>	<b>C07D 237 /-</b>	2022252951	2022268937
2022253577	<b>C01G 49 /-</b>	2022245155	2022258944	<b>C07D 519 /-</b>	2022273136
2022254210	2022256439	2022256439	<b>C07D 263 /-</b>	2022239752	2022277767
<b>B65D 90 /-</b>	<b>C01G 51 /-</b>	<b>C05F 11 /-</b>	2022248891	2022240929	2022287001
2021443452	2021442353	2022345676	<b>C07F 9 /-</b>	<b>C07F 9 /-</b>	2022317803
2022253577	<b>C01G 53 /-</b>	<b>C07C 1 /-</b>	2021443620	2022259878	<b>C07K 19 /-</b>
2022254210	2021442353	2022262789	2022259878	2022260843	2022262841
<b>B65G 1 /-</b>	<b>C02F 1 /-</b>	<b>C07C 11 /-</b>	2022253683	<b>C07G 1 /-</b>	<b>C07K 5 /-</b>
2022261860	2021432101	2022262789	<b>C07D 277 /-</b>	2022253936	2022257052
<b>B65G 27 /-</b>	2021439656	<b>C07C 229 /-</b>	2022253683	<b>C07H 19 /-</b>	2022259878
2022260109	2021440046	2022260813	<b>C07D 305 /-</b>	2022253068	<b>C07K 7 /-</b>
<b>B65G 5 /-</b>	2021442832	<b>C07C 269 /-</b>	2022261098	2022254108	2022260843
2022261795	2022236715	2022239004	<b>C07D 311 /-</b>	<b>C07H 21 /-</b>	<b>C08B 31 /-</b>
<b>B66B 17 /-</b>	2022257254	2022239004	2022233687	2022249137	2022251740
2021443323	2022258304	<b>C07C 317 /-</b>	2022260813	2022257002	2022251741
<b>B66B 7 /-</b>	2022261760	2022277580	<b>C07D 317 /-</b>	<b>C07K 1 /-</b>	<b>C08F 2 /-</b>
2021443323	2022270091	<b>C07C 39 /-</b>	2022247120	2022260843	2022256771
<b>B67D 3 /-</b>	<b>C02F 11 /-</b>	2022260813	<b>C07D 333 /-</b>	<b>C07K 14 /-</b>	2022258761
2021435630	2022236715	<b>C07C 43 /-</b>	2022253683	2022232443	<b>C08G 18 /-</b>
<b>C01B 13 /-</b>	<b>C02F 3 /-</b>	2022258719	<b>C07D 401 /-</b>	2022236913	2022258093
2021442353	2022236715	<b>C07C 45 /-</b>	2022246670	2022248473	<b>C08G 63 /-</b>
<b>C01B 3 /-</b>	<b>C02F 9 /-</b>	2022281113	2022255809	2022248869	2021434109
2022256236	2022257254	<b>C07C 47 /-</b>	2022270171	2022249371	<b>C08G 77 /-</b>
2022258837	<b>C03C 13 /-</b>	2022281113	2022284366	2022251604	2021431809
2022280346	2022283905	<b>C07C 51 /-</b>	<b>C07D 405 /-</b>	2022257052	2022259547
<b>C01B 32 /-</b>	<b>C04B 103 /-</b>	2022281113	2022254105	2022258840	<b>C08G 81 /-</b>
2021441476	2022245155	<b>C07C 51 /-</b>	2022284366	2022259428	2022243650
2022256236	<b>C04B 111 /-</b>	2022239004	<b>C07D 413 /-</b>	2022262407	<b>C08H 99 /-</b>
2022258837	2022242073	<b>C07C 67 /-</b>	2022252951	2022262841	2022251740
2022264859	<b>C04B 18 /-</b>	2022261098	2022273787	2022263418	<b>C08J 11 /-</b>
<b>C01B 33 /-</b>	2022242073	<b>C07C 69 /-</b>	2022234499	2022423924	2022236303
2022256439	<b>C04B 22 /-</b>	2022277401	<b>C07D 417 /-</b>	2022248473	2022257112
<b>C01B 7 /-</b>	2022245155	<b>C07D 471 /-</b>	2022234388		
2022256439			2022239752		
			2022240929		

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

<b><u>C08J 5 /-</u></b>		<b><u>C12H 3 /-</u></b>	2022256045	<b><u>C22B 26 /-</u></b>	<b><u>D05B 19 /-</u></b>
2022236395	<b><u>C10B 53 /-</u></b>		2022257089		
2022243650	2022234285	2022261435	2022258829	2022387578	2022259613
<b><u>C08K 5 /-</u></b>	2022236303	<b><u>C12M 1 /-</u></b>	2022260559	<b><u>C22B 3 /-</u></b>	<b><u>D21H 17 /-</u></b>
	2022261377		2022260837		
2022259547	2022281113	2022252992	2022263641	2022247395	2022256771
2022291046	<b><u>C10G 1 /-</u></b>	2022254015	<b><u>C12P 1 /-</u></b>	2022387578	2022258761
		2022265340			
<b><u>C08K 7 /-</u></b>	2022271829	<b><u>C12N 1 /-</u></b>	2022263641	<b><u>C22B 7 /-</u></b>	<b><u>D21H 21 /-</u></b>
			2022265340		
2022283905	<b><u>C10G 2 /-</u></b>	2022237020	<b><u>C12P 19 /-</u></b>	2022255317	2022256771
		2022259046		2022273269	2022258761
<b><u>C08L 23 /-</u></b>	2022264724	2022263641	2022251741	<b><u>C22B 9 /-</u></b>	<b><u>E01B 3 /-</u></b>
		2022265340	2022251869		
2022287309	<b><u>C10G 3 /-</u></b>	2022345676	2022286406	2022273269	2022236395
		2022423924	<b><u>C12P 23 /-</u></b>	2022274997	<b><u>E01F 9 /-</u></b>
<b><u>C08L 3 /-</u></b>	2022271829	<b><u>C12N 15 /-</u></b>		<b><u>C22C 38 /-</u></b>	
			2022423924		2022254003
2022251741	<b><u>C10G 45 /-</u></b>	2022232856	<b><u>C12P 5 /-</u></b>	2022250149	<b><u>E02B 1 /-</u></b>
		2022234522		<b><u>C23C 16 /-</u></b>	
<b><u>C08L 33 /-</u></b>	2022271829	2022235416	2022257089		2022256994
		2022239581	<b><u>C12Q 1 /-</u></b>	2022281245	<b><u>E02D 13 /-</u></b>
2022291046	<b><u>C10G 47 /-</u></b>	2022239846		<b><u>C25B 1 /-</u></b>	
		2022242781	2022233518		2022232194
<b><u>C08L 61 /-</u></b>	2022271829	2022248473	2022233979	2021440645	<b><u>E02D 15 /-</u></b>
		2022249137	2022239776	2022236566	
2022291046	<b><u>C10J 3 /-</u></b>	2022249371	2022249152	2022243650	2022256994
		2022253020	2022254072	2022245155	<b><u>E02D 27 /-</u></b>
<b><u>C08L 83 /-</u></b>	2022264724	2022253899	2022256045	2022255317	
		2022254072	2022257733	2022256236	<b><u>E02D 5 /-</u></b>
2021431809	<b><u>C10K 3 /-</u></b>	2022255421	2022260837	2022256276	
2022259547		2022256045	2022261115	2022258843	2022256994
	2022264724	2022257051	2022261868	2022261760	<b><u>E02D 5 /-</u></b>
<b><u>C08L 97 /-</u></b>	<b><u>C10L 5 /-</u></b>	2022257089	2022270084	2022264724	
		2022258312	2022286406	2022266955	2022256994
2022254867	2022261377	2022258464	2022292103	2022270091	<b><u>E02F 3 /-</u></b>
		2022258593	2022294073	<b><u>C25B 13 /-</u></b>	
<b><u>C09C 1 /-</u></b>	<b><u>C10L 9 /-</u></b>	2022258829	<b><u>C12R 1 /-</u></b>		2022303776
		2022260561		2022236566	2022305165
2022256822	2022261377	2022260837	2022345676	2022243650	<b><u>E03C 1 /-</u></b>
2022383976	<b><u>C10L 9 /-</u></b>	2022261027	2022423924	<b><u>C25B 15 /-</u></b>	
<b><u>C09C 3 /-</u></b>	<b><u>C11B 9 /-</u></b>	2022261922	<b><u>C14C 1 /-</u></b>		2022268409
		2022262101		2021440645	<b><u>E04B 1 /-</u></b>
2022383976	2022259019	2022262407	<b><u>C21B 13 /-</u></b>	2022236566	
		2022262856		2022255317	2022283905
<b><u>C09D 133 /-</u></b>	<b><u>C11C 5 /-</u></b>	2022266934	2022260121	2022258843	<b><u>E04B 9 /-</u></b>
		2022275952	<b><u>C21B 5 /-</u></b>	2022264724	
2022291046	<b><u>C11D 1 /-</u></b>	2022286406		<b><u>C25B 3 /-</u></b>	2022239714
2022383976		2022423924	<b><u>C22B 1 /-</u></b>		
<b><u>C09J 103 /-</u></b>	<b><u>C11D 17 /-</u></b>	<b><u>C12N 5 /-</u></b>		2022266955	<b><u>E04C 5 /-</u></b>
			<b><u>C21B 5 /-</u></b>		
2022269018	2022269018	2022246046		<b><u>C25B 9 /-</u></b>	2022258739
2022287021	2022270173	2022255421	2022260121		<b><u>E04G 11 /-</u></b>
	2022271583	2022257051	<b><u>C22B 1 /-</u></b>	2021440645	
<b><u>C09J 183 /-</u></b>	<b><u>C12C 11 /-</u></b>	2022257733		2022236566	<b><u>E04G 25 /-</u></b>
		2022258307	<b><u>C22B 15 /-</u></b>	2022243650	
2022259547	2022261435	2022263418		2022261760	2022277374
		2022275952	<b><u>C22B 15 /-</u></b>	<b><u>C25C 7 /-</u></b>	<b><u>E04G 25 /-</u></b>
<b><u>C09K 8 /-</u></b>	<b><u>C12C 12 /-</u></b>	2022277885			
		2023228698	<b><u>C22B 21 /-</u></b>	2022255317	2022277374
2022253147	2022261435	<b><u>C12N 7 /-</u></b>		<b><u>D04H 1 /-</u></b>	<b><u>E04G 3 /-</u></b>
2022253936			2022247395		
2022254219	<b><u>C12H 1 /-</u></b>	2022262407	<b><u>C22B 21 /-</u></b>	2022283905	2022277374
2022254867				2022287021	
2022255803	2022283562	<b><u>C12N 9 /-</u></b>	2022273269		
<b><u>C10B 39 /-</u></b>					
		2022251869			
2022261377					

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

<b><u>E04G 5 /-</u></b>	<b><u>E21B 37 /-</u></b>	<b><u>F04D 7 /-</u></b>	<b><u>F23D 14 /-</u></b>	<b><u>F41H 11 /-</u></b>	<b><u>G01N 30 /-</u></b>
2022254109 2022277374	2022245946	2022296129 2022297013	2022310752	2022261459 2022390775	2022240588 2022264815
<b><u>E04H 4 /-</u></b>	<b><u>E21B 41 /-</u></b>	<b><u>F16D 65 /-</u></b>	<b><u>F23G 5 /-</u></b>	<b><u>F41H 13 /-</u></b>	<b><u>G01N 33 /-</u></b>
2022259009	2022245946 2022261795	2022257584	2022234285 2022236303	2022390775	2021434109 2022233979 2022246046 2022249152 2022254939 2022261182 2022264249 2022264815 2022265543
<b><u>E04H 7 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F16H 1 /-</u></b>	<b><u>F24F 1 /-</u></b>	<b><u>F41H 9 /-</u></b>	
2021442832 2021443452	2022245946 2022253147 2022254219	2022279064	2022257636 2022338838	2021345955	
<b><u>E05B 1 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F16H 49 /-</u></b>	<b><u>F24F 11 /-</u></b>	<b><u>F42B 15 /-</u></b>	
2022235097 2022243063	2022254867 2022255803 2022256994 2022270932	2022279064	2022248963 2022257636	2022261459	
<b><u>E05B 15 /-</u></b>	<b><u>E21B 47 /-</u></b>	<b><u>F16H 57 /-</u></b>	<b><u>F24F 110 /-</u></b>	<b><u>F42B 21 /-</u></b>	<b><u>G01N 37 /-</u></b>
2022256059	2022270932	2022279064	2022248963	2022261459	2022254939
<b><u>E05B 47 /-</u></b>	<b><u>E21B 49 /-</u></b>	<b><u>F16H 7 /-</u></b>	<b><u>F24F 13 /-</u></b>	<b><u>F42C 11 /-</u></b>	<b><u>G01R 33 /-</u></b>
2022243063	2022245946	2022259606	2022264377 2022338838	2022264962	2021434109 2021440013
<b><u>E05B 55 /-</u></b>	<b><u>E21C 41 /-</u></b>	<b><u>F16K 1 /-</u></b>	<b><u>F24F 3 /-</u></b>	<b><u>F42D 3 /-</u></b>	<b><u>G01S 13 /-</u></b>
2022256059	2022261652	2022253577 2022254210	2022248963	2022261652	2022239909
<b><u>E05B 63 /-</u></b>	<b><u>F01K 3 /-</u></b>	<b><u>F16K 31 /-</u></b>	<b><u>F24H 1 /-</u></b>	<b><u>G01C 17 /-</u></b>	<b><u>G01S 15 /-</u></b>
2022243063 2022256059	2021442353	2022253577 2022254210	2022268409	2022267291	2021437908
<b><u>E05B 65 /-</u></b>	<b><u>F02C 3 /-</u></b>	<b><u>F16L 1 /-</u></b>	<b><u>F25B 41 /-</u></b>	<b><u>G01C 19 /-</u></b>	<b><u>G01S 17 /-</u></b>
2022243063	2022257414	2022256994	2022265091 2022266032	2022257984	2022261652
<b><u>E05C 9 /-</u></b>	<b><u>F02C 7 /-</u></b>	<b><u>F16L 13 /-</u></b>	<b><u>F25B 49 /-</u></b>	<b><u>G01D 9 /-</u></b>	<b><u>G01S 19 /-</u></b>
2022243063	2021448387 2022257414	2022268566	2022265091 2022266032	2022233644	2022261652
<b><u>E05D 7 /-</u></b>	<b><u>F02K 1 /-</u></b>	<b><u>F16L 33 /-</u></b>	<b><u>F25B 5 /-</u></b>	<b><u>G01F 11 /-</u></b>	<b><u>G01S 5 /-</u></b>
2022267866	2022280967	2022268566	2022265091 2022266032	2022253577 2022254210	2022239909 2022262168
<b><u>E05F 3 /-</u></b>	<b><u>F03D 13 /-</u></b>	<b><u>F16L 37 /-</u></b>	<b><u>F25D 11 /-</u></b>	<b><u>G01F 15 /-</u></b>	<b><u>G01S 7 /-</u></b>
2022267866	2022232194 2022261760	2022268566	2022265091 2022266032	2022262787	2022296339
<b><u>E21B 1 /-</u></b>	<b><u>F03D 80 /-</u></b>	<b><u>F17B 1 /-</u></b>	<b><u>F25D 25 /-</u></b>	<b><u>G01H 1 /-</u></b>	<b><u>G01T 1 /-</u></b>
2022256994	2022233479 2022261760	2022242150	2022265091 2022266032	2022255451	2022264169
<b><u>E21B 10 /-</u></b>	<b><u>F03D 9 /-</u></b>	<b><u>F17C 13 /-</u></b>	<b><u>F25D 25 /-</u></b>	<b><u>G01H 11 /-</u></b>	<b><u>G01V 8 /-</u></b>
2022241853	2022261760	2022242150 2022261168	2022270022	2021437908	2022241064
<b><u>E21B 17 /-</u></b>	<b><u>F04B 53 /-</u></b>	<b><u>F17C 3 /-</u></b>	<b><u>F27B 9 /-</u></b>	<b><u>G01M 11 /-</u></b>	<b><u>G02B 23 /-</u></b>
2022288722	2022261760	2022242150 2022261168	2022236303	2022423923	2022241064
<b><u>E21B 23 /-</u></b>	<b><u>F04D 13 /-</u></b>	<b><u>F17D 1 /-</u></b>	<b><u>F28F 13 /-</u></b>	<b><u>G01N 21 /-</u></b>	<b><u>G02B 6 /-</u></b>
2022258954	2022283562	2022257538	2022259870	2022261182	2021450573 2022423923
<b><u>E21B 33 /-</u></b>	<b><u>F04D 29 /-</u></b>	<b><u>F23C 3 /-</u></b>	<b><u>F41A 11 /-</u></b>	<b><u>G01N 27 /-</u></b>	<b><u>G02C 7 /-</u></b>
2022258954	2022268409	2022310752	2022239917	2022261182 2022263327 2022264249	2022233940
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PCT applications which have entered the National Phase - IPC Index cont'd

<b>G02F 1 /-</b>	2022250122 2022255594 2022255859 2022256445 2022259284	<b>G08C 17 /-</b>	<b>H01L 21 /-</b>	<b>H02J 7 /-</b>	2022445031
2022300273		2022264781	2022281245	2022316026	<b>H04N 9 /-</b>
<b>G05B 19 /-</b>		<b>G09B 15 /-</b>	<b>H01L 27 /-</b>		2022268460
2021455544 2022246843 2022261860	<b>G06Q 20 /-</b>	2021436617	2022255719	<b>H02S 20 /-</b>	<b>H04W 12 /-</b>
	2022242898 2022255859 2022259284 2022263770	<b>G09F 9 /-</b>	<b>H01L 31 /-</b>	2022232475	2022233473 2022253360 2022254519 2022255377 2022255594 2022255795 2022263770
<b>G05D 7 /-</b>		2022281871	2021464041 2022281245	<b>H02S 50 /-</b>	
2022262787		<b>G09G 5 /-</b>	<b>H01M 10 /-</b>	2022232475	
<b>G06F 1 /-</b>	<b>G06Q 30 /-</b>	2022268460	2022254952	<b>H04B 1 /-</b>	
2022252253 2022281871	2021440526 2022247261 2022254510 2022254512 2022255859	<b>G10D 1 /-</b>	<b>H01M 4 /-</b>	2022260255	<b>H04W 24 /-</b>
<b>G06F 11 /-</b>		2021436617	2021441476 2021442353 2022254952 2022386222	<b>H04B 7 /-</b>	2021436488
2022276663	<b>G06Q 50 /-</b>	<b>G10D 3 /-</b>	<b>H01M 8 /-</b>	2022278734	<b>H04W 4 /-</b>
<b>G06F 13 /-</b>	2021440526 2022236775 2022254566	2021436617	2022235210 2022243650 2022253887 2022266287 2022266955	<b>H04K 3 /-</b>	2022255795 2022262168
2022259481	2022249383 2022254512 2022254519 2022263770 2022276663	<b>G16B 15 /-</b>	<b>H01M 12 /-</b>	2022390775	<b>H04W 52 /-</b>
<b>G06F 15 /-</b>		2022256491 2022258691 2022259667	2022267279	<b>H04L 12 /-</b>	2022264781
2022253898	<b>G06T 15 /-</b>	<b>G16B 20 /-</b>	<b>H04L 41 /-</b>	<b>H04K 3 /-</b>	<b>H04W 56 /-</b>
<b>G06F 17 /-</b>	2022256491 2022258691 2022294073	2022256491 2022258691 2022259667	2021443986 2022261848	2021443986 2022261848	2022257308
2022253898	<b>G06T 17 /-</b>	<b>G16B 40 /-</b>	<b>H04L 43 /-</b>	<b>H04L 43 /-</b>	<b>H04W 64 /-</b>
<b>G06F 21 /-</b>	2021442100	2022256491 2022258691 2022259667	2022261848	2022261848	2022262168
2022249383 2022254512 2022254519 2022263770 2022276663	<b>G06T 19 /-</b>	<b>G16H 20 /-</b>	<b>H01Q 13 /-</b>	<b>H04L 47 /-</b>	<b>H04W 72 /-</b>
<b>G06F 3 /-</b>	2022232651 2022236775 2022259567	2022266781	2022257583 2022257962 2022261699	2021443986	2022257308
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<b>G06F 30 /-</b>	2022232651 2022236775 2022259567	2022234473	2022257583 2022257962 2022261699	2022261848	2022262168
2022254566	2022232651 2022236775 2022259567	<b>G16H 50 /-</b>	<b>H01Q 13 /-</b>	<b>H04L 47 /-</b>	<b>H04W 72 /-</b>
<b>G06K 19 /-</b>	2022260122 2022261652 2022261860 2022263295	2022266781	2022261699	2021443986	2021438713 2022260255
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<b>G06N 20 /-</b>	2021442100 2022254566	2022232272	2022257962 2022261699 2022296339	2022273204 2022278734	2022260255 2022264781
2022262435	<b>G06T 7 /-</b>	<b>G16H 40 /-</b>	<b>H01Q 23 /-</b>	<b>H04L 9 /-</b>	<b>H05B 3 /-</b>
<b>G06F 30 /-</b>	2022232651 2022236775 2022259567	2022234473	2022300273	2021440526 2022253360 2022254519 2022255377 2022255594 2022255795 2022260804 2022263770 2022286253	2022249825
2022254566	2022232651 2022236775 2022259567	<b>G16H 50 /-</b>	<b>H01Q 3 /-</b>	<b>H04M 1 /-</b>	<b>H05H 1 /-</b>
<b>G06K 19 /-</b>	2022260122 2022261652 2022261860 2022263295	2022266781	2022296339	2022267291	2022254592 2022256822 2022257325 2022258807 2022258905 2022259637
2022236775	<b>G06N 20 /-</b>	<b>G16H 80 /-</b>	<b>H01Q 9 /-</b>	<b>H04M 1 /-</b>	<b>H05K 7 /-</b>
<b>G06N 20 /-</b>	2021442100 2022254512 2022270031	2022232272	2022261699	2022267291	2022264962
2021442100 2022254512 2022270031	<b>G06V 10 /-</b>	<b>G21C 13 /-</b>	<b>H01R 13 /-</b>	<b>H04M 3 /-</b>	<b>H10N 30 /-</b>
<b>G06N 3 /-</b>	2022274992	2022261348	2021450573	2022233473	2021437908
2022254939 2022270031 2022274680	<b>G06V 20 /-</b>	<b>G21C 19 /-</b>	<b>H01R 24 /-</b>	<b>H04N 1 /-</b>	
<b>G06N 7 /-</b>	2022274992	2022261348	2022257962	2022268460	
2022270031	<b>G06V 30 /-</b>	<b>H01B 1 /-</b>	<b>H01S 5 /-</b>	<b>H04N 19 /-</b>	
<b>G06Q 10 /-</b>	2022258469	2022243650	2022300273	2021440177 2022444394	
2022236775 2022247261	<b>G07C 9 /-</b>	<b>H01J 37 /-</b>	<b>H02J 3 /-</b>		
	2022259284	2022281245			
	<b>G08B 21 /-</b>				
	2022252253				

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*G01J 3/433* ( 2006.01 )  
*G01N 21/35* ( 2014.01 )  
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*A61L 27/50* ( 2006.01 )  
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 (54) Method for controlling microwave heating systems  
 (51) Int. Cl.  
*H05B 6/64* ( 2006.01 )  
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**G01V 1/38** ( 2006.01 )  
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**G09B 9/08** ( 2006.01 )  
**H04L 9/40** ( 2022.01 )  
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*G06F 16/61* ( 2019.01 )  
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*G16B 25/10* ( 2019.01 )  
*G06F 30/27* ( 2020.01 )  
*G06Q 10/04* ( 2023.01 )  
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 (51) Int. Cl.  
*A61H 23/02* ( 2006.01 )  
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 (21) 2021212580 (22) 26.01.2021

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 (51) Int. Cl.  
*H01L 31/054* ( 2014.01 )  
*H01L 31/02* ( 2006.01 )  
*H01L 31/0236* ( 2006.01 )  
*H01L 31/048* ( 2014.01 )  
*H02S 20/26* ( 2014.01 )  
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*C12M 1/00* ( 2006.01 )  
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**B29C 64/118** ( 2017.01 )  
**B29C 64/209** ( 2017.01 )  
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**B29C 64/118** ( 2017.01 )  
**B29C 64/209** ( 2017.01 )  
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**(51)** Int. Cl.  
**A61K 38/47** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
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**A61K 38/48** ( 2006.01 )  
**A61K 38/49** ( 2006.01 )  
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**(51)** Int. Cl.  
**B61L 1/06** ( 2006.01 )  
**B61L 23/04** ( 2006.01 )  
**B61L 25/02** ( 2006.01 )  
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**F24F 1/0073** ( 2019.01 )  
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**F24F 13/24** ( 2006.01 )  
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**(54)** Systems and methods for analyzing a sample and for monitoring the performance of an optical signal detector  
**(51)** Int. Cl.  
**G01N 21/03** ( 2006.01 )  
**G01N 21/27** ( 2006.01 )  
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**C07K 14/52** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/475** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**(54)** GLP-1R modulating compounds  
**(51)** Int. Cl.  
**C07D 405/10** ( 2006.01 )  
**A61K 31/4184** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )

**A61P 3/04** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
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**A61P 19/02** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
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**H04N 21/45** ( 2011.01 )  
**H04N 13/00** ( 2018.01 )  
**H04N 21/236** ( 2011.01 )  
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**(51)** Int. Cl.  
**G06N 10/00** ( 2022.01 )  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**B65D 71/42** ( 2006.01 )  
**B65D 5/42** ( 2006.01 )  
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**C07K 7/06** ( 2006.01 )  
**A61K 38/08** ( 2019.01 )  
**A61P 37/06** ( 2006.01 )  
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**F24F 13/30** ( 2006.01 )
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**H04L 12/28** ( 2006.01 )
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**G16Y 10/75** ( 2020.01 )
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**H01M 10/42** ( 2006.01 )  
**G01R 31/36** ( 2019.01 )  
**H01M 10/48** ( 2006.01 )
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*G06T 7/00* ( 2017.01 )  
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*H02M 3/158* ( 2006.01 )  
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 method and device  
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 DEVICE, AND SYSTEM  
 (51) Int. Cl.  
*H04L 41/08* ( 2022.01 )  
*H04L 67/14* ( 2022.01 )  
*H04L 69/32* ( 2022.01 )  
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 3-dimensional food packaging unit from  
 a molded pulp material and such food  
 packaging product  
 (51) Int. Cl.  
*D21J 3/00* ( 2006.01 )  
*D21J 7/00* ( 2006.01 )  
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 (72) KUIPER, Harald John  
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(71) Ignite Energy Resources Limited  
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 plastics  
 (51) Int. Cl.  
*C10G 1/10* ( 2006.01 )  
*C10G 3/00* ( 2006.01 )  
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 LANDS, William Neil  
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 ives  
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*F42D 5/02* ( 2006.01 )  
*F42D 1/055* ( 2006.01 )  
*G01V 1/16* ( 2006.01 )  
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 RANCE, Alastair Courtenay  
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(71) Inno-Spin LLC  
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 meter cylinder  
 (51) Int. Cl.  
*B21D 41/02* ( 2006.01 )  
*B21D 7/00* ( 2006.01 )  
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**B21D 19/04** ( 2006.01 )  
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**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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**(54)** Circumcision device  
**(51)** Int. Cl.  
**A61B 17/326** ( 2006.01 )  
**(87)** WO2018/163043  
**(31)** 2017/01743 **(32)** 10.03.17 **(33)** ZA  
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**F16B 31/02** ( 2006.01 )  
**(31)** 15/638,137 **(32)** 29.06.17 **(33)** US  
**(43)** 17.01.2019  
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**(54)** RECOMBINANT PROTEIN CAPABLE OF RESISTING MULTIPLE SCLEROSIS AND PREPARATION METHOD AND APPLICATION THEREOF  
**(51)** Int. Cl.  
**C07K 14/47** ( 2006.01 )  
**A61K 38/17** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 47/64** ( 2017.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07K 14/35** ( 2006.01 )  
**(31)** 202110759727.8 **(32)** 05.07.21 **(33)** CN  
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**(74)** Remarkable IP

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**(54)** Cloaking authority system  
**(51)** Int. Cl.  
**H04L 69/14** ( 2022.01 )  
**H04W 4/44** ( 2018.01 )  
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**C07C 259/06** ( 2006.01 )  
**A61K 31/165** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**C07D 205/04** ( 2006.01 )  
**C07D 207/14** ( 2006.01 )  
**C07D 213/56** ( 2006.01 )  
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**C07D 267/10** ( 2006.01 )  
**C07D 277/28** ( 2006.01 )  
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**F03B 13/22** ( 2006.01 )  
**F03B 13/26** ( 2006.01 )  
**F03B 17/00** ( 2006.01 )  
**F16H 19/06** ( 2006.01 )  
**F16H 41/02** ( 2006.01 )  
**B63B 21/00** ( 2006.01 )  
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**B63B 35/44** ( 2006.01 )  
**F03B 13/14** ( 2006.01 )  
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*H04L 67/52* ( 2022.01 )  
*H04L 67/61* ( 2022.01 )  
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*B60J 1/20* ( 2006.01 )  
*E06B 9/40* ( 2006.01 )  
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*G02B 27/00* ( 2006.01 )  
*F21V 8/00* ( 2006.01 )  
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*H01L 33/60* ( 2010.01 )  
*G02B 26/02* ( 2006.01 )  
*H01L 33/54* ( 2010.01 )  
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*A61B 17/94* ( 2006.01 )  
*G01C 19/04* ( 2006.01 )  
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*A61M 1/02* ( 2006.01 )  
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*E21B 17/042* ( 2006.01 )

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*C12N 15/03* ( 2006.01 )  
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*A61B 17/16* ( 2006.01 )  
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**G06V 10/82** ( 2022.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**E01C 19/20** ( 2006.01 )  
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**B21D 22/24** ( 2006.01 )  
**B21D 22/28** ( 2006.01 )  
**B21D 51/44** ( 2006.01 )  
**B21D 51/50** ( 2006.01 )  
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**C03B 3/00** ( 2006.01 )  
**F27D 3/08** ( 2006.01 )  
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**H04W 72/04** ( 2009.01 )  
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**C07D 471/04** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**C07D 519/00** ( 2006.01 )  
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**(21)** 2019337776

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**(51)** Int. Cl.  
**H05B 47/19** ( 2020.01 )  
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**(72)** SCHROEDER, Helmut; BRAND, Daniel  
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**(71)** Seabin Pty Ltd  
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**(54)** Waste collection device  
**(51)** Int. Cl.  
**E02B 15/04** ( 2006.01 )  
**B01D 35/00** ( 2006.01 )  
**B01D 35/05** ( 2006.01 )  
**B63B 35/32** ( 2006.01 )  
**C02F 1/00** ( 2006.01 )  
**C02F 1/24** ( 2006.01 )  
**E02B 15/10** ( 2006.01 )  
**E04H 4/12** ( 2006.01 )  
**E04H 4/16** ( 2006.01 )  
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 (51) Int. Cl.  
*G06F 3/0346* ( 2013.01 )  
*A63F 13/219* ( 2014.01 )  
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*A61B 18/12* ( 2006.01 )  
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     **G21B 1/05** ( 2006.01 )  
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 (54) System and method for digitized digit symbol substitution test  
 (51) Int. Cl.  
     **A61B 5/16** ( 2006.01 )  
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     **G01N 33/50** ( 2006.01 )  
     **A61K 35/17** ( 2015.01 )  
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 (51) Int. Cl.  
     **A47C 7/72** ( 2006.01 )  
     **A47C 21/00** ( 2006.01 )  
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 (54) Semisolid multi-phase oral composition comprising hydrophilic active agent particles  
 (51) Int. Cl.

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**A61K 8/38** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
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 (51) Int. Cl.  
     **A61K 8/19** ( 2006.01 )  
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**B64C 39/02** ( 2006.01 )  
**A01G 7/00** ( 2006.01 )  
**B64D 47/02** ( 2006.01 )  
**G01N 21/27** ( 2006.01 )  
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(31) 2019-014117 (32) 30.01.19 (33) JP  
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(72) AKIYAMA Shugo  
(74) FB Rice Pty Ltd

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(54) Bone positioning guide  
(51) Int. Cl.  
**A61B 17/56** ( 2006.01 )  
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GIL, Carlos Eduardo; TREACE, John T.  
(74) Griffith Hack

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(51) Int. Cl.  
**A47G 1/16** ( 2006.01 )  
**A47G 1/20** ( 2006.01 )  
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**A61F 7/00** ( 2006.01 )  
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(74) Phillips Ormonde Fitzpatrick

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**A61K 8/64** ( 2006.01 )  
**A61K 8/65** ( 2006.01 )  
**A61Q 1/00** ( 2006.01 )  
**A61Q 3/00** ( 2006.01 )  
**A61Q 5/00** ( 2006.01 )  
**A61Q 5/02** ( 2006.01 )  
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**A61Q 9/02** ( 2006.01 )  
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**H04N 23/50** ( 2023.01 )  
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**B01D 67/00** ( 2006.01 )  
**B01D 69/00** ( 2006.01 )  
**B01D 71/00** ( 2006.01 )  
**B01D 71/26** ( 2006.01 )  
**C12M 1/12** ( 2006.01 )  
**C12M 1/26** ( 2006.01 )  
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(71) WEATHERFORD TECHNOLOGY HOLDINGS, LLC  
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**(21)** 2018308185 **(22)** 11.07.2018  
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**F04B 9/117** ( 2006.01 )  
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 VAN RIJSWICK, Rudolfus Johannes  
 Adeleida  
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**(11)** AU-B-2022203329  
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**(54)** Closed system device and methods for gas permeable cell culture process  
**(51)** Int. Cl.  
**C12M 1/00** ( 2006.01 )  
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**A61K 49/08** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**C07F 9/09** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
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 Tome, Wolfgang  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(11)** AU-B-2020276530  
**(21)** 2020276530 **(22)** 14.05.2020

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**C04B 35/10** ( 2006.01 )  
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**(72)** ZHU, Xiaohua; XIONG, Zhaorong; FU, Zengxue; YU, Xiangyi; LIU, Maoqi  
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**(71)** Yale University  
**(11)** AU-B-2021204103  
**(21)** 2021204103 **(22)** 18.06.2021  
**(54)** Compositions and methods of preparing airway cells

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**C12N 5/071** ( 2010.01 )  
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**C12N 5/074** ( 2010.01 )

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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Yara International ASA  
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**(21)** 2018303194 **(22)** 18.07.2018  
**(54)** Mobile fertilizer device for storing and supplying multiple fertilizers to a greenhouse

**(51)** Int. Cl.  
**A01C 23/00** ( 2006.01 )  
**A01C 21/00** ( 2006.01 )  
**A01C 23/04** ( 2006.01 )  
**A01M 7/00** ( 2006.01 )  
**B60P 3/22** ( 2006.01 )  
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**(72)** Van Santen, Wouter  
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**(11)** AU-B-2020253529  
**(21)** 2020253529 **(22)** 02.04.2020  
**(54)** Pet bed  
**(51)** Int. Cl.  
**A01K 1/035** ( 2006.01 )  
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**(72)** BULLOCK, Dustin; DOW, John W.; DESROCHES, Donald Edward;  
 LANGERAK, Brian  
**(74)** GLMR

**(71)** YETI Coolers, LLC  
**(11)** AU-B-2020287097  
**(21)** 2020287097 **(22)** 03.06.2020  
**(54)** Portable chair  
**(51)** Int. Cl.  
**A47C 4/06** ( 2006.01 )  
**A47C 1/026** ( 2006.01 )  
**A47C 4/10** ( 2006.01 )  
**A47C 4/20** ( 2006.01 )  
**A47C 4/30** ( 2006.01 )  
**A47C 4/34** ( 2006.01 )  
**A47C 4/44** ( 2006.01 )

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 16/891,215 03.06.20 US  
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**(72)** CIESZKO, Michael Christopher; GOLDBERG, Evan; WINTERHALTER, Andrew J.  
**(74)** GLMR

**(71)** Zipair  
**(11)** AU-B-2021240148  
**(21)** 2021240148 **(22)** 28.09.2021  
**(54)** Device for propelling a passenger  
**(51)** Int. Cl.  
**B64C 39/02** ( 2006.01 )  
**(43)** 28.10.2021  
**(44)** 26.10.2023  
**(62)** 2017246988  
**(72)** ZAPATA, Frankie  
**(74)** FB Rice Pty Ltd



Numerical Index

<b>2016334051</b>	Alector LLC	<b>2018326396</b>	Curtin University
<b>2016349577</b>	Wisconsin Alumni Research Foundation	<b>2018326653</b>	AiRA Robotics, S.L.
<b>2017202740</b>	Rush University Medical Center	<b>2018328766</b>	Francisquini, M.
<b>2017271122</b>	The Council of the Queensland Institute of Medical Research	<b>2018331966</b>	Hitachi Energy Switzerland AG; ABB Schweiz AG
<b>2017282892</b>	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.	<b>2018333084</b>	Uber Technologies, Inc.
<b>2017286980</b>	Arbutus Biopharma Corporation	<b>2018333111</b>	RAI Strategic Holdings, Inc.
<b>2017288944</b>	Becton, Dickinson and Company	<b>2018337912</b>	Tensor Technologies Limited
<b>2017294685</b>	BASF SE	<b>2018338067</b>	Reddress Ltd.
<b>2017295442</b>	Rijksuniversiteit Groningen	<b>2018348025</b>	W.M. Barr & Company, Inc.
<b>2017326329</b>	AbbVie Biotherapeutics Inc.	<b>2018348780</b>	Incitec Pivot Limited
<b>2017341067</b>	Regeneron Pharmaceuticals, Inc.	<b>2018354338</b>	Pivot Bio, Inc.
<b>2017344297</b>	CMI Defence S.A.	<b>2018367059</b>	Kidverter Pty Ltd
<b>2017361264</b>	fReal! Foods, LLC	<b>2018376727</b>	Saint-Gobain Isover
<b>2017371713</b>	Seabin Pty Ltd	<b>2018377974</b>	COSUCRA Groupe Warcoing S.A.
<b>2017382946</b>	MedTrace Pharma A/S	<b>2018379578</b>	Huhtamaki Molded Fiber Technology B.V.
<b>2017425706</b>	Dow Global Technologies LLC; Rohm And Haas Company	<b>2018383708</b>	UBI IP Holdings
<b>2017438990</b>	SES-imagotag GmbH	<b>2018383740</b>	Coravin, Inc.
<b>2018200590</b>	Otis Elevator Company	<b>2018385875</b>	Samsung Electronics Co., Ltd.
<b>2018201327</b>	Culligan International Company	<b>2018387201</b>	Hauff-Technik GmbH & Co. KG
<b>2018201943</b>	Insitu, Inc.	<b>2018390366</b>	Johnson Matthey Davy Technologies Limited
<b>2018202263</b>	Otis Elevator Company	<b>2018395041</b>	Corn Products Development, Inc.
<b>2018203236</b>	John Guest International Limited	<b>2018402162</b>	NTT DOCOMO, INC.
<b>2018203324</b>	Caterpillar Inc.	<b>2018403272</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.
<b>2018204215</b>	Sulzer Management AG	<b>2018408266</b>	NTT DOCOMO, INC.
<b>2018206712</b>	Caterpillar Inc.	<b>2018427122</b>	Halliburton Energy Services, Inc.
<b>2018207216</b>	Bridge and Track Crane LLC D/B/A Rcrane	<b>2019207656</b>	Hettich-ONI GmbH & Co. KG
<b>2018208078</b>	Revolu Biotherapeutics Limited	<b>2019208785</b>	Evopoint Biosciences Co., Ltd.
<b>2018212787</b>	Janssen Biotech, Inc.	<b>2019228627</b>	915 Labs, LLC
<b>2018220906</b>	Shalon, T.	<b>2019246767</b>	K2M, Inc.
<b>2018224336</b>	Advanced Innergy Ltd	<b>2019269104</b>	Sinden Technology Ltd.
<b>2018228755</b>	Bejo Zaden B.V.	<b>2019275720</b>	Huawei Technologies Co., Ltd.
<b>2018230122</b>	Innovative Medical Technology (Pty) Ltd	<b>2019278527</b>	Kumiai Chemical Industry Co., Ltd.
<b>2018230449</b>	Abiomed, Inc.	<b>2019294141</b>	Microsoft Technology Licensing, LLC
<b>2018231368</b>	Carlsberg Breweries A/S	<b>2019301656</b>	InterDigital VC Holdings, Inc.
<b>2018232564</b>	Societe des Produits Nestle S.A.	<b>2019309934</b>	ATR THRIVE, LLC
<b>2018235354</b>	P-Laser N.V.	<b>2019325436</b>	5Metis, Inc.
<b>2018239258</b>	Anchor Wall Systems, Inc.	<b>2019337776</b>	Carleton University; Her Majesty The Queen in Right of Canada, as represented by the Minister of Agriculture and Agri-Food; The Governors of the University of Alberta; Schneider, J.
<b>2018241915</b>	Dietz, M.	<b>2019338463</b>	Huawei Technologies Co., Ltd.
<b>2018242139</b>	National University of Ireland, Galway	<b>2019351126</b>	Inno-Spin LLC
<b>2018243360</b>	Cornell University	<b>2019363719</b>	Danmarks Tekniske Universitet
<b>2018244803</b>	The Salford Valve Company Ltd	<b>2019427946</b>	Topcon Corporation
<b>2018250723</b>	Caterpillar Global Mining LLC	<b>2019445796</b>	PPG Europe B.V
<b>2018251619</b>	Nanollose Limited	<b>2019451948</b>	Huawei Technologies Co., Ltd.
<b>2018255192</b>	Step Analysis LLC	<b>2019460738</b>	Kachirski, B.
<b>2018264670</b>	Haldor Topsøe A/S	<b>2019462295</b>	Huawei Technologies Co., Ltd.
<b>2018264843</b>	Standard Fiber, LLC	<b>2020218379</b>	Synauta Inc.
<b>2018265195</b>	Societe Des Produits Nestle S.A.	<b>2020225202</b>	Eli Lilly and Company
<b>2018268340</b>	Megger Instruments Ltd	<b>2020241544</b>	Capital One Services, LLC
<b>2018272281</b>	Ceva Sante Animale	<b>2020244716</b>	Pollanen, J.; Beysengulov, N.; Rees, D.
<b>2018272330</b>	10103560 Canada Ltd.	<b>2020244894</b>	ENEOS Corporation
<b>2018273830</b>	Relborgn Pty Ltd; Triomviri Pty Ltd	<b>2020246951</b>	Ocado Innovation Limited
<b>2018276096</b>	soblu AG	<b>2020253529</b>	YETI Coolers, LLC
<b>2018278694</b>	Electrolux Appliances Aktiebolag	<b>2020257284</b>	Corning Research & Development Corporation
<b>2018280170</b>	Marubeni-Itochu Tubulars America Inc.	<b>2020257872</b>	The Procter & Gamble Company
<b>2018280333</b>	Aurora Labs Limited	<b>2020276530</b>	Xiamen Fengtao Ceramics Co., Ltd
<b>2018283025</b>	Mogas Industries, Inc.	<b>2020279083</b>	Avery Dennison Retail Information Services LLC
<b>2018290235</b>	Mustapha, J.	<b>2020287097</b>	YETI Coolers, LLC
<b>2018292381</b>	Virtue Labs, LLC	<b>2020287873</b>	Lockheed Martin Corporation
<b>2018295448</b>	1nhaler Limited	<b>2020292108</b>	Komatsu KVX LLC NUF
<b>2018303194</b>	Yara International ASA	<b>2020293412</b>	Saeta GmbH & Co. Kg
<b>2018303466</b>	Hardt IP B.V.	<b>2020295509</b>	Beijing Benicall Biotech Co., Ltd.
<b>2018305656</b>	Erber Aktiengesellschaft	<b>2020301161</b>	Gilead Sciences, Inc.
<b>2018308185</b>	Weir Minerals Netherlands B.V.	<b>2020302762</b>	The Procter & Gamble Company
<b>2018310750</b>	Lewis, M.	<b>2020304463</b>	Ke.Com (Beijing) Technology Co., Ltd.
<b>2018313841</b>	Allen Institute		

## Applications Accepted - Numerical Index cont'd

2020307670	Charco Neurotech Ltd	2021261908	Magic Leap, Inc.
2020308026	W.L. Gore & Associates, Inc.	2021266202	FISHER & PAYKEL HEALTHCARE LIMITED
2020310584	Nicoventures Trading Limited	2021266341	Huawei Technologies Co., Ltd.
2020313857	Boston Scientific Scimed, Inc.	2021286875	Shell Internationale Research Maatschappij B.V.
2020317327	Huawei Digital Power Technologies Co., Ltd.	2021290234	Colgate-Palmolive Company
2020321757	LG Electronics Inc.	2021290241	Institute of Zoology, Guangdong Academy of Sciences
2020331936	Howmedica Osteonics Corp.	2021290416	Liveperson, Inc.
2020340299	Eli Lilly and Company	2021290913	Frauscher Sensor Technology Group GmbH
2020354528	Ocado Innovation Limited	2021298025	Siemens Aktiengesellschaft
2020359860	Vivo Mobile Communication Co., Ltd.	2021328076	Philip Morris Products S.A.
2020364363	Graphic Packaging International, LLC	2021370143	Hitachi, Ltd.
2020366706	Medacta International SA	2021455532	LG Electronics Inc.
2020376271	Daikin Industries, Ltd.	2022200211	LG ELECTRONICS INC.
2020379796	Shanghai SIMR Biotechnology Co., Ltd; Shanghai SIMRD Biotechnology Co., Ltd	2022200214	Canva Pty Ltd
2020386613	Microport Navibot (Suzhou) Co., Ltd.	2022200297	MFTB Holdco, Inc.
2020392823	Kabushiki Kaisha Toyota Jidoshokki	2022200465	Road Widener LLC
2020394759	Guangdong Midea White Home Appliance Technology Innovation Center Co. Ltd.; Midea Group Co.,Ltd.	2022200852	CACI, INC. - Federal
2020398322	ABB Schweiz AG; Hitachi Energy Switzerland AG	2022200940	Under The Roof Decorating Inc.
2020399503	Envision Digital International Pte. Ltd.; Shanghai Envision Digital Co., Ltd.	2022201042	Intervet International B.V.
2020405509	Stryker European Operations Limited	2022201096	Applied Medical Resources Corporation
2020424765	Henan Longcheng Coal High Efficiency Technology Application Co., Ltd.	2022201098	Boston Scientific Scimed, Inc.
2020440785	GD Midea Air-Conditioning Equipment Co., Ltd.	2022201155	The LoveSac Company
2020445229	Neo Cremer Co., Ltd.	2022201468	Longkou Yongan Vehicle Window Co., Ltd
2020459868	RGT Inc.	2022201606	Integrity Security Services, LLC
2020462733	Shanghai Vision Mechanical Joint Co., Ltd	2022202209	Vetco Gray LLC
2020471210	Central South University	2022202461	Becton, Dickinson and Company
2020481921	RAZER (ASIA-PACIFIC) PTE. LTD.	2022202469	ConMed Corporation
2021201517	Tata Consultancy Services Limited	2022202955	Blue Ocean Seismic Services Limited
2021202816	PURTON, W.W.	2022202957	Blue Ocean Seismic Services Limited
2021203928	Fisher & Paykel Healthcare Limited	2022202964	SCHREDER
2021204103	Yale University	2022203072	Beijing Baidu Netcom Science Technology Co., Ltd.
2021204278	EXELIXIS, INC.	2022203329	Wilson Wolf Manufacturing Corporation
2021206852	Mallinckrodt Hospital Products IP Limited	2022203734	Gen-Probe Incorporated
2021208019	NeoChord, Inc.	2022203816	Silixa Limited
2021212580	CNBM Research Institute for Advanced Glass Materials Group Co., Ltd	2022203821	Silixa Limited
2021212669	Gilead Sciences, Inc.	2022203911	Boston Scientific Scimed, Inc.
2021215220	Breville Pty Limited	2022204452	Equifax Inc.
2021215234	Sprint Bioscience AB	2022204858	Cable Television Laboratories, Inc.
2021217086	Encore Medical, LP DBA DJO Surgical	2022204875	Google LLC
2021218997	Bobst Mex SA	2022204892	OpenTV, Inc.
2021220808	Honor Device Co., Ltd.	2022213551	CAE INC.
2021221026	Bobst Mex SA	2022215211	Regeneron Pharmaceuticals, Inc.
2021221468	Sanofi	2022218540	Apple Inc.
2021221522	TAE Technologies, Inc.	2022218636	Lam, T.T.
2021221560	BIOHAVEN PHARMACEUTICAL HOLDING COMPANY LTD.	2022226072	WEATHERFORD TECHNOLOGY HOLDINGS, LLC
2021221869	Mahfouz, M.	2022235527	Bavarian Nordic A/S
2021227449	British American Tobacco (Investments) Limited	2022259756	Octet Medical, Inc.
2021229517	SensoCure AS	2022268396	Greenyn Biotechnology Co., Ltd
2021232799	MedicalTree Patent Ltd	2022271476	Massachusetts Institute of Technology
2021232804	TREACE MEDICAL CONCEPTS, INC.	2022316521	CTCELLS, Inc.
2021235320	3M Innovative Properties Company	2022335159	FOOTHILL SADDLEBACK PTY LTD
2021239937	Merck Sharp & Dohme LLC	2023200911	Shanghai Linghuo Trading Co., Ltd.
2021240122	Nutrition 21, LLC	2023201562	Shanghai Linghuo Trading Co., Ltd.
2021240148	Zipair	2023202155	Kode Biotech Limited
2021243748	Techtronic Cordless GP	2023203463	Google LLC
2021245168	Epizyme, Inc.	2023212604	Apple Inc.
2021245261	B&L Biotech, Inc.; Lee, I.W.	2023229568	SunTracker Technologies Ltd.
2021246472	3-D Matrix, Ltd.	2023229615	Lumus Ltd.
2021248785	Fabheads Automation Private Limited	2023233200	Apple Inc.
2021249559	Fabheads Automation Private Limited		
2021250991	Derrick Corporation		
2021254557	ConMed Corporation		
2021256261	Siemens Aktiengesellschaft		
2021258076	Ignite Energy Resources Limited		
2021261887	University of Pittsburgh - Of The Commonwealth System of Higher Education		

IPC Index

<b><u>A01C 21 /-</u></b>	2018395041	2018333111	2020366706	2018212787	2017286980
2018303194	<b><u>A21D 2 /-</u></b>	<b><u>A47C 1 /-</u></b>	2021208019	2018326396	2018241915
<b><u>A01C 23 /-</u></b>	2018241915	2019460738	2021221869	2019208785	2018292381
2018303194	2018395041	2020287097	2021232804	2019278527	2020257872
<b><u>A01G 18 /-</u></b>	<b><u>A22B 5 /-</u></b>	<b><u>A47C 21 /-</u></b>	2021254557	2019325436	2020302762
2020308026	2018326653	2022201155	2022201096	2020295509	2020445229
<b><u>A01G 24 /-</u></b>	<b><u>A23C 9 /-</u></b>	<b><u>A47C 4 /-</u></b>	2022202469	2020340299	2021290234
2018251619	2018241915	2020287097	<b><u>A61B 18 /-</u></b>	2020379796	<b><u>A61K 9 /-</u></b>
<b><u>A01G 29 /-</u></b>	<b><u>A23G 3 /-</u></b>	<b><u>A47C 7 /-</u></b>	2018242139	2021204278	2017341067
2019337776	2018265195	2022201155	2020313857	2021212669	2018272281
<b><u>A01G 31 /-</u></b>	<b><u>A23G 9 /-</u></b>	<b><u>A47D 1 /-</u></b>	2020405509	2021215234	2020225202
2018251619	2018377974	2018367059	2022201098	2021221468	2022335159
<b><u>A01G 33 /-</u></b>	<b><u>A23J 1 /-</u></b>	<b><u>A47D 11 /-</u></b>	<b><u>A61B 34 /-</u></b>	2021239937	<b><u>A61L 15 /-</u></b>
2020308026	2018220906	2018367059	2020331936	2021240122	2018338067
<b><u>A01G 7 /-</u></b>	<b><u>A23L 13 /-</u></b>	<b><u>A47D 7 /-</u></b>	2020386613	2021245168	<b><u>A61L 2 /-</u></b>
2019427946	2018220906	2018367059	<b><u>A61B 5 /-</u></b>	2022201042	2021246472
<b><u>A01H 1 /-</u></b>	2018241915	<b><u>A47D 9 /-</u></b>	2018255192	2022335159	<b><u>A61L 26 /-</u></b>
2018228755	<b><u>A23L 19 /-</u></b>	2018367059	2018313841	<b><u>A61K 35 /-</u></b>	2018338067
<b><u>A01H 5 /-</u></b>	2018395041	<b><u>A47G 1 /-</u></b>	2021201517	2017271122	<b><u>A61L 27 /-</u></b>
2017294685	<b><u>A23L 29 /-</u></b>	2022200940	2021221869	2021204103	2021246472
2018228755	2018241915	<b><u>A47G 9 /-</u></b>	2021229517	<b><u>A61K 36 /-</u></b>	<b><u>A61M 1 /-</u></b>
<b><u>A01K 1 /-</u></b>	<b><u>A23L 33 /-</u></b>	2018264843	2022201096	2018377974	202106852
2020253529	2018241915	<b><u>A47J 27 /-</u></b>	<b><u>A61B 90 /-</u></b>	<b><u>A61K 38 /-</u></b>	2022201096
<b><u>A01M 7 /-</u></b>	2018377974	2021215220	2020405509	2017341067	2022203911
2018303194	2019309934	<b><u>A47J 31 /-</u></b>	<b><u>A61D 1 /-</u></b>	2018208078	<b><u>A61M 13 /-</u></b>
<b><u>A01N 43 /-</u></b>	2020445229	2018232564	2018305656	2020225202	<b><u>A61M 15 /-</u></b>
2019278527	<b><u>A23L 9 /-</u></b>	2021202816	<b><u>A61D 7 /-</u></b>	2021246472	2018295448
<b><u>A01N 47 /-</u></b>	2018377974	2021215220	<b><u>A61F 13 /-</u></b>	2021290241	2021266202
2019278527	<b><u>A24B 15 /-</u></b>	<b><u>A47J 43 /-</u></b>	2022201096	2022268396	2022202469
<b><u>A01N 63 /-</u></b>	2018333111	2021215220	<b><u>A61F 2 /-</u></b>	2022335159	<b><u>A61M 16 /-</u></b>
2018251619	<b><u>A24B 3 /-</u></b>	2020321757	2018290235	<b><u>A61K 39 /-</u></b>	2021203928
2022271476	2021227449	<b><u>A47L 11 /-</u></b>	2019246767	2016334051	2021266202
<b><u>A01P 7 /-</u></b>	<b><u>A24D 1 /-</u></b>	<b><u>A61B 1 /-</u></b>	2021217086	2017282892	2021328076
2019278527	2018333111	2020313857	2021232799	2017326329	<b><u>A61M 19 /-</u></b>
<b><u>A21D 10 /-</u></b>	<b><u>A24F 40 /-</u></b>	2022201096	2022201096	2018208078	2021261887
2018395041	2020276530	2022202469	<b><u>A61G 5 /-</u></b>	2018383708	<b><u>A61M 25 /-</u></b>
<b><u>A21D 13 /-</u></b>	2020310584	<b><u>A61B 17 /-</u></b>	2019460738	2020225202	2018230449
	2021328076	2018230122	<b><u>A61H 23 /-</u></b>	2021290241	2018290235
	<b><u>A24F 47 /-</u></b>	2019246767	2020307670	2022335159	2022202469
		2020313857	<b><u>A61K 31 /-</u></b>	<b><u>A61K 41 /-</u></b>	<b><u>A61M 29 /-</u></b>
				2016349577	2018290235
				<b><u>A61K 45 /-</u></b>	<b><u>A61M 5 /-</u></b>
				2019325436	2022202461
				<b><u>A61K 47 /-</u></b>	<b><u>A61N 5 /-</u></b>
				<b><u>A61K 49 /-</u></b>	
				2016349577	
				<b><u>A61K 51 /-</u></b>	
				2017382946	
				<b><u>A61K 8 /-</u></b>	

Applications Accepted - IPC Index cont'd

2023229568	<b><u>A61Q 1 /-</u></b>	2019363719	<b><u>B25J 5 /-</u></b>	<b><u>B61L 23 /-</u></b>	<b><u>B67D 1 /-</u></b>
<b><u>A61P 1 /-</u></b>	2018292381	<b><u>B05B 12 /-</u></b>	2020321757	2021290913	2018231368
2021212669	<b><u>A61Q 11 /-</u></b>	2019445796	<b><u>B25J 9 /-</u></b>	<b><u>B61L 25 /-</u></b>	2018383740
<b><u>A61P 11 /-</u></b>	2020257872	<b><u>B05B 15 /-</u></b>	2020321757	2021290913	<b><u>B67D 7 /-</u></b>
2021204103	2020302762	2019445796	2020459868	<b><u>B62D 17 /-</u></b>	2017361264
2022201042	<b><u>A61Q 19 /-</u></b>	<b><u>B05B 5 /-</u></b>	<b><u>B26D 7 /-</u></b>	2023201562	<b><u>B81B 1 /-</u></b>
<b><u>A61P 13 /-</u></b>	2018292381	2022259756	2021221026	<b><u>B63B 21 /-</u></b>	2017295442
2021212669	2020445229	<b><u>B05B 7 /-</u></b>	<b><u>B26F 1 /-</u></b>	2022218636	<b><u>B82Y 10 /-</u></b>
<b><u>A61P 17 /-</u></b>	<b><u>A61Q 3 /-</u></b>	2019445796	2021218997	<b><u>B63B 35 /-</u></b>	2020244716
2022335159	2018292381	<b><u>B07B 1 /-</u></b>	2021221026	<b><u>C01B 3 /-</u></b>	
<b><u>A61P 19 /-</u></b>	<b><u>A61Q 5 /-</u></b>	2021250991	<b><u>B29C 64 /-</u></b>	2017371713	2018390366
2019208785	2018292381	2021250991	2018280333	2022218636	2020244894
2021212669	2021290234	<b><u>B07B 13 /-</u></b>	2021248785	<b><u>B63G 8 /-</u></b>	2021286875
2021221468	<b><u>A61Q 9 /-</u></b>	2021250991	2021249559	2022202955	<b><u>C01B 32 /-</u></b>
2022335159	2018292381	<b><u>B08B 7 /-</u></b>	<b><u>B29D 28 /-</u></b>	2022202957	2021286875
<b><u>A61P 25 /-</u></b>	<b><u>A62B 7 /-</u></b>	2018348025	2018337912	<b><u>B64C 39 /-</u></b>	<b><u>C01C 1 /-</u></b>
2020379796	2021266202	<b><u>B21D 19 /-</u></b>	<b><u>B33Y 30 /-</u></b>	2019427946	2018390366
2021212669	<b><u>A62B 9 /-</u></b>	2019351126	2018280333	2021240148	
2021240122	2021266202	<b><u>B21D 22 /-</u></b>	<b><u>B33Y 40 /-</u></b>	<b><u>B64D 47 /-</u></b>	<b><u>C02F 1 /-</u></b>
2021290241	<b><u>A63F 13 /-</u></b>	2020293412	2018280333	2019427946	2017371713
<b><u>A61P 3 /-</u></b>	2019269104	<b><u>B21D 24 /-</u></b>	<b><u>B60B 35 /-</u></b>	<b><u>B65D 5 /-</u></b>	2018201327
2018326396	2020481921	2020293412	2023201562	2020364363	2020218379
2021212669	<b><u>B01D 35 /-</u></b>	2020293412	<b><u>B60G 11 /-</u></b>	<b><u>B65D 71 /-</u></b>	<b><u>C03B 3 /-</u></b>
2021215234	2017371713	<b><u>B21D 41 /-</u></b>	2023200911	2020364363	2018376727
<b><u>A61P 31 /-</u></b>	<b><u>B01D 53 /-</u></b>	2019351126	<b><u>B60G 13 /-</u></b>	<b><u>B65D 83 /-</u></b>	<b><u>C04B 111 /-</u></b>
2018212787	2020244894	<b><u>B21D 51 /-</u></b>	2023200911	2018244803	2018273830
2020301161	2021286875	2020293412	<b><u>B60G 15 /-</u></b>	<b><u>B65G 1 /-</u></b>	<b><u>C04B 35 /-</u></b>
2021239937	<b><u>B01D 61 /-</u></b>	<b><u>B21D 7 /-</u></b>	2023200911	2020246951	2020276530
<b><u>A61P 33 /-</u></b>	2020218379	2019351126	<b><u>B60H 1 /-</u></b>	<b><u>B66B 5 /-</u></b>	<b><u>C05F 11 /-</u></b>
2019278527	<b><u>B01D 67 /-</u></b>	<b><u>B22F 7 /-</u></b>	2018206712	2018202263	2018251619
<b><u>A61P 35 /-</u></b>	2020308026	2018280333	<b><u>B60J 1 /-</u></b>	<b><u>B66B 7 /-</u></b>	2018354338
2016349577	<b><u>B01D 69 /-</u></b>	<b><u>B23K 26 /-</u></b>	2022201468	2018200590	<b><u>C05G 3 /-</u></b>
2018212787	2020308026	2018235354	<b><u>B60L 13 /-</u></b>	<b><u>B66C 15 /-</u></b>	<b><u>C07C 233 /-</u></b>
2020295509	<b><u>B01D 71 /-</u></b>	<b><u>B25J 11 /-</u></b>	2018303466	2018310750	2018326396
2020301161	2020308026	2020321757	<b><u>B60P 3 /-</u></b>	<b><u>B66C 17 /-</u></b>	<b><u>C07C 255 /-</u></b>
2020340299	<b><u>B01D 77 /-</u></b>	2020459868	2018303194	2018207216	2018326396
2021204278	2020308026	<b><u>B25J 13 /-</u></b>	<b><u>B25J 13 /-</u></b>	<b><u>B66C 23 /-</u></b>	<b><u>C07C 259 /-</u></b>
2021215234	<b><u>B01D 79 /-</u></b>	2020459868	<b><u>B61B 13 /-</u></b>	2018207216	2022201042
2021245168	2020308026	<b><u>B25J 19 /-</u></b>	2018303466	<b><u>B66C 5 /-</u></b>	<b><u>C07C 29 /-</u></b>
<b><u>A61P 37 /-</u></b>	<b><u>B01D 71 /-</u></b>	2020321757	<b><u>B61L 1 /-</u></b>	2018207216	2018390366
2021290241	2020308026	2020459868	2021290913		<b><u>C07D 205 /-</u></b>
2022268396	<b><u>B01F 33 /-</u></b>				
<b><u>A61P 7 /-</u></b>	2018243360				
2021245168	<b><u>B01L 3 /-</u></b>				
<b><u>A61P 9 /-</u></b>	2018243360				
2018326396	2019363719				
2020379796	<b><u>B01L 9 /-</u></b>				
2021212669					

Applications Accepted - IPC Index cont'd

2022201042	<b><u>C07D 409 /-</u></b>	2016334051	2018354338	2017371713	
<b><u>C07D 207 /-</u></b>	2019278527	2017282892	2019337776		<b><u>F16H 19 /-</u></b>
	2021212669	2017326329	2022271476	<b><u>E05D 3 /-</u></b>	2022218636
2022201042	2022201042	2020225202		2019207656	<b><u>F16H 41 /-</u></b>
<b><u>C07D 213 /-</u></b>	<b><u>C07D 413 /-</u></b>	2022316521	<b><u>C12N 5 /-</u></b>		
			2017271122	<b><u>E06B 9 /-</u></b>	2022218636
2021215234	2021215234	2018383708	2017294685	2022201468	<b><u>F16H 55 /-</u></b>
2022201042			2021204103		
<b><u>C07D 215 /-</u></b>	<b><u>C07D 471 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C12N 9 /-</u></b>	<b><u>E21B 17 /-</u></b>	2018250723
				2018224336	2020354528
2021204278	2019208785	2019325436	2018354338	2018280170	
	2021221468	<b><u>C07K 5 /-</u></b>			<b><u>F16K 11 /-</u></b>
<b><u>C07D 217 /-</u></b>	<b><u>C07D 473 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C12P 19 /-</u></b>	<b><u>E21B 23 /-</u></b>	
				2018201327	
2022201042	2019208785	2022268396	2018251619	2022226072	2018283025
<b><u>C07D 231 /-</u></b>	<b><u>C07D 487 /-</u></b>	<b><u>C08B 31 /-</u></b>	<b><u>C12Q 1 /-</u></b>	<b><u>E21B 33 /-</u></b>	<b><u>F16K 27 /-</u></b>
				2018273830	2018203236
2019208785	2020295509	2018395041	2017288944	2022202209	2018283025
2021245168	2020379796	<b><u>C08J 3 /-</u></b>	2017295442		
<b><u>C07D 233 /-</u></b>	<b><u>C07D 491 /-</u></b>		2018354338	<b><u>E21B 41 /-</u></b>	<b><u>F16K 5 /-</u></b>
		2018273830	<b><u>C22B 15 /-</u></b>		
2022201042	2019208785	<b><u>C08L 1 /-</u></b>	2018264670	2018427122	2018203236
<b><u>C07D 239 /-</u></b>	2020379796			<b><u>E21B 47 /-</u></b>	2018283025
		2018251619	<b><u>D06F 37 /-</u></b>		<b><u>F16L 21 /-</u></b>
2021245168	<b><u>C07D 493 /-</u></b>	<b><u>C09D 133 /-</u></b>	2022200211	2022226072	
<b><u>C07D 257 /-</u></b>	2021212669		<b><u>D21J 3 /-</u></b>	<b><u>E21B 7 /-</u></b>	2020462733
		2017425706			2022202209
2018326396	<b><u>C07D 498 /-</u></b>	<b><u>C09D 5 /-</u></b>	2018379578	2022226072	<b><u>F16L 3 /-</u></b>
<b><u>C07D 267 /-</u></b>	2021212669		<b><u>D21J 7 /-</u></b>	<b><u>F03B 13 /-</u></b>	2018224336
		2017425706		2022218636	<b><u>F16L 33 /-</u></b>
2022201042	<b><u>C07D 513 /-</u></b>	<b><u>C09D 9 /-</u></b>	2018379578	<b><u>F03B 17 /-</u></b>	2018387201
<b><u>C07D 277 /-</u></b>	2020379796		<b><u>E01B 25 /-</u></b>		
		2018348025	2018303466	2022218636	<b><u>F16L 5 /-</u></b>
2021221560	<b><u>C07D 519 /-</u></b>	<b><u>C09K 8 /-</u></b>		<b><u>F03D 17 /-</u></b>	2018387201
2022201042	2020295509		<b><u>E01C 19 /-</u></b>		
<b><u>C07D 279 /-</u></b>	2021221468	2018273830	2022200465	2020399503	<b><u>F16L 55 /-</u></b>
	<b><u>C07F 9 /-</u></b>	<b><u>C10G 1 /-</u></b>		<b><u>F03D 7 /-</u></b>	2018387201
2021239937	2016349577		<b><u>E02B 15 /-</u></b>		
<b><u>C07D 295 /-</u></b>		2021258076	2017371713	2020399503	<b><u>F17C 7 /-</u></b>
	<b><u>C07H 1 /-</u></b>	<b><u>C10G 3 /-</u></b>		<b><u>F03G 7 /-</u></b>	2020244894
2022201042	2023202155		<b><u>E02D 29 /-</u></b>		
<b><u>C07D 307 /-</u></b>		2021258076	2018239258	2022218636	<b><u>F21V 8 /-</u></b>
	<b><u>C07H 15 /-</u></b>	<b><u>C10G 31 /-</u></b>	2018337912	<b><u>F04B 15 /-</u></b>	2023229615
2022201042	2023202155		<b><u>E02D 3 /-</u></b>	2018308185	<b><u>F22B 1 /-</u></b>
<b><u>C07D 333 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C12M 1 /-</u></b>		<b><u>F04B 9 /-</u></b>	2022201098
			2018337912	2018308185	<b><u>F24C 7 /-</u></b>
2022201042	2018212787	2018243360	<b><u>E02F 3 /-</u></b>		
<b><u>C07D 401 /-</u></b>	2019337776	2020308026		<b><u>F04D 29 /-</u></b>	2018278694
		2022203329	2020292108		
2019208785	<b><u>C07K 14 /-</u></b>	<b><u>C12M 3 /-</u></b>		2018204215	<b><u>F24D 10 /-</u></b>
2019278527			<b><u>E02F 9 /-</u></b>	2020376271	
2021245168	2017294685	2020308026			2021256261
<b><u>C07D 403 /-</u></b>	2018208078		2018203324	<b><u>F16B 31 /-</u></b>	
	2018354338	<b><u>C12N 1 /-</u></b>	2020292108		<b><u>F24D 11 /-</u></b>
2020340299	2018383708		<b><u>E04C 1 /-</u></b>	2018201943	2018276096
	2020225202	2018354338		<b><u>F16G 13 /-</u></b>	
<b><u>C07D 405 /-</u></b>	2020301161	<b><u>C12N 15 /-</u></b>	2018239258		
	2021290241		<b><u>E04H 4 /-</u></b>	2018310750	<b><u>F24D 19 /-</u></b>
2021212669	<b><u>C07K 16 /-</u></b>	2017286980			
		2017294685			

Applications Accepted - IPC Index cont'd

2021256261	<b><u>G01V 1/-</u></b>	2022203072 2023203463	2022200214	<b><u>H02K 15/-</u></b>	<b><u>H04N 13/-</u></b>
<b><u>F24F 1/-</u></b>	2018348780 2022202955 2022202957	<b><u>G06N 20/-</u></b>	<b><u>G16B 25/-</u></b>	2020392823	2022204875
2020440785		2022204452	2020471210	<b><u>H02K 7/-</u></b>	<b><u>H04N 19/-</u></b>
<b><u>F24F 13/-</u></b>	<b><u>G02B 26/-</u></b>	<b><u>G06N 3/-</u></b>	<b><u>G16C 10/-</u></b>	2022218636	2019301656 2019338463
2020394759 2020440785	2021261908	2022200297	2022215211	<b><u>H02M 3/-</u></b>	<b><u>H04N 21/-</u></b>
<b><u>F27B 7/-</u></b>	<b><u>G02B 27/-</u></b>	<b><u>G06Q 10/-</u></b>	<b><u>G16Y 10/-</u></b>	2020317327	2022200214 2022204875 2023233200
2020424765	2023229615	2020279083 2020471210 2021256261	2021370143	<b><u>H02S 20/-</u></b>	
<b><u>F27D 3/-</u></b>	<b><u>G02B 6/-</u></b>		<b><u>G21B 1/-</u></b>	2021212580	
2020257284	2020257284	<b><u>G06Q 50/-</u></b>	2021221522	<b><u>H02S 40/-</u></b>	<b><u>H04N 23/-</u></b>
2018376727	<b><u>G05D 23/-</u></b>	2018427122 2020279083 2020399503 2021256261	<b><u>H01B 1/-</u></b>	2018276096	2020359860
<b><u>F41A 9/-</u></b>	2021215220 2021256261		2021243748	<b><u>H03K 3/-</u></b>	<b><u>H04N 5/-</u></b>
2017344297	<b><u>G05D 3/-</u></b>	<b><u>G06T 13/-</u></b>	<b><u>H01B 5/-</u></b>	2020244716	2022200214
<b><u>F42D 1/-</u></b>	2018203324	2023233200	2018328766	<b><u>H04B 1/-</u></b>	<b><u>H04N 7/-</u></b>
2018348780	<b><u>G05G 9/-</u></b>	<b><u>G06T 15/-</u></b>	<b><u>H01F 7/-</u></b>	2022200852	2022213551
<b><u>F42D 5/-</u></b>	2020481921	2019275720	2022201098	<b><u>H04B 10/-</u></b>	<b><u>H04R 1/-</u></b>
2018348780	<b><u>G06F 11/-</u></b>	<b><u>G06T 3/-</u></b>	<b><u>H01L 27/-</u></b>	2022204858	2022201155 2023212604
<b><u>G01C 19/-</u></b>	2019294141	2019451948	2020244716	<b><u>H04B 7/-</u></b>	<b><u>H04R 5/-</u></b>
2021221869	<b><u>G06F 12/-</u></b>	<b><u>G06T 7/-</u></b>	<b><u>H01L 29/-</u></b>	2021455532	2022201155
<b><u>G01D 5/-</u></b>	2019294141 2020287873	2020331936 2022200297 2022215211	2020244716	<b><u>H04H 20/-</u></b>	<b><u>H04W 12/-</u></b>
2018272330 2022203816 2022203821	<b><u>G06F 13/-</u></b>		<b><u>H01L 31/-</u></b>	2021455532	2020241544 2022201606
<b><u>G01J 3/-</u></b>	2021370143	<b><u>G06V 10/-</u></b>	2021212580	<b><u>H04J 14/-</u></b>	
2018272330 2023229568	<b><u>G06F 16/-</u></b>	2022200297	<b><u>H01L 33/-</u></b>	2022204858	<b><u>H04W 28/-</u></b>
<b><u>G01L 5/-</u></b>	2021290416 2022200214	<b><u>G06V 20/-</u></b>	2021261908	<b><u>H04L 12/-</u></b>	2018408266
2018310750	<b><u>G06F 18/-</u></b>	2022200297	<b><u>H01M 10/-</u></b>	2018427122 2022203072 2022213551	<b><u>H04W 4/-</u></b>
<b><u>G01N 21/-</u></b>	2022204452	<b><u>G08B 1/-</u></b>	2018331966 2021243748	<b><u>H04L 41/-</u></b>	2021235320 2022201606
2018272330 2019427946 2022203734	<b><u>G06F 21/-</u></b>	2021266202	<b><u>H01M 4/-</u></b>	2021266341	<b><u>H04W 72/-</u></b>
<b><u>G01N 33/-</u></b>	2020287873 2021328076	<b><u>G08B 21/-</u></b>	2021243748	<b><u>H04L 5/-</u></b>	2018385875 2018402162 2018403272 2018408266 2019462295
2016349577 2017202740 2017271122 2017295442 2021229517	<b><u>G06F 3/-</u></b>	2018333084	2020244716	2018403272	
<b><u>G01N 35/-</u></b>	2017438990 2019269104 2021220808 2022204892 2022218540 2023212604	<b><u>G08B 7/-</u></b>	<b><u>H02G 3/-</u></b>	<b><u>H04L 67/-</u></b>	<b><u>H05B 1/-</u></b>
2019363719	<b><u>G06F 30/-</u></b>	2023212604	2018387201	2021266341 2021290416	2021266202
<b><u>G01R 19/-</u></b>	2020304463 2020471210	<b><u>G09B 23/-</u></b>	<b><u>H02J 13/-</u></b>	<b><u>H04L 69/-</u></b>	<b><u>H05B 47/-</u></b>
2018268340	<b><u>G06N 10/-</u></b>	2021245261	2021298025	2021266341 2022201606	2022202964
<b><u>G01R 31/-</u></b>		<b><u>G09B 9/-</u></b>	<b><u>H02J 3/-</u></b>	<b><u>H04L 9/-</u></b>	<b><u>H05B 6/-</u></b>
2018331966	2020244716	2022213551	2020398322 2021298025	2020241544 2022213551	2019228627
		<b><u>G09G 5/-</u></b>	<b><u>H02K 1/-</u></b>	<b><u>H04M 1/-</u></b>	<b><u>H10N 60/-</u></b>
		2017438990	2020392823		2020244716
		<b><u>G11B 27/-</u></b>		2022218540	

**Certified Innovation Patents****Name Index**

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

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(71) 2MT Mining Products Pty Ltd  
(11) AU-B-2023100070  
(21) 2023100070 (22) 26.07.2023  
(54) PROTECTION SYSTEMS  
(51) Int. Cl.  
    *E02F 9/28* ( 2006.01 )  
    *B65G 11/16* ( 2006.01 )  
(45) 26.10.2023  
(62) 2020317370,2022202367  
(72) Senanayake, Mahinda Palitha  
(74) Ahearn Fox

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(71) Dragox Pty Ltd  
(11) AU-B-2022100163  
(21) 2022100163 (22) 06.09.2022  
(54) BARRIER AND PANEL THEREOF  
(51) Int. Cl.  
    *F16P 1/02* ( 2006.01 )  
    *E04H 17/16* ( 2006.01 )  
(45) 26.10.2023  
(62) 2020331398  
(72) GREAVES, Graeme; GREAVES,  
    Thomas  
(74) Northern Lights IP

**Numerical Index**

**2022100163** Dragox Pty Ltd  
**2023100070** 2MT Mining Products Pty Ltd



IPC Index

B65G 11 /-

2023100070

E02F 9 /-

2023100070

E04H 17 /-

2022100163

F16P 1 /-

2022100163

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

2018219975 **CSR Building Products Limited** ( Knauf Gypsum Pty Ltd )

**Patents Granted**

**Standard Patents**

2016327598	2016336451	2016355191	2016397562
2017208204	2017212754	2017213845	2017214283
2017231000	2017231865	2017252185	2017254775
2017265023	2017272308	2017277918	2017278931
2017280335	2017281532	2017282718	2017285711
2017291449	2017294549	2017299620	2017299803
2017301242	2017310563	2017312660	2017313652
2017318718	2017319700	2017321747	2017323534
2017327383	2017328617	2017335084	2017339942
2017340405	2017342366	2017345308	2017347684
2017351802	2017355939	2017361539	2017363838
2017366707	2017370535	2017371392	2017371464
2017378020	2017378022	2017381401	2017388564
2017388857	2017389381	2017393413	2017407989
2017420387	2017423296	2017430141	2017433175
2017435893	2017444080	2018200225	2018200777
2018201969	2018202121	2018202566	2018203731
2018204231	2018210145	2018212000	2018217233
2018218868	2018224198	2018225425	2018225458
2018231073	2018236038	2018238199	2018239119
2018240463	2018242148	2018250049	2018250886
2018251957	2018253492	2018254191	2018255321
2018255426	2018255908	2018257596	2018258170
2018260939	2018261896	2018264765	2018271958
2018271971	2018275544	2018280145	2018281310
2018289219	2018293437	2018298136	2018307362
2018307601	2018309555	2018317789	2018324469
2018326480	2018332181	2018334539	2018348444
2018348585	2018373436	2018374625	2018374863
2018392703	2018417948	2019204556	2019207524
2019213214	2019217490	2019229188	2019240024
2019240723	2019246651	2019249024	2019251560
2019258468	2019269393	2019275286	2019277108
2019277171	2019288813	2019294414	2019299698
2019300176	2019312084	2019322914	2019337644
2019366466	2019388919	2019394592	2019395325
2019397033	2019398095	2019399322	2019400377
2019414459	2019418925	2019422604	2019424226
2019448583	2019457511	2019458410	2019469665
2019481267	2020210277	2020211327	2020211441
2020227014	2020232109	2020232691	2020233702
2020233744	2020239780	2020240315	2020244857
2020248834	2020249862	2020252426	2020253367
2020258920	2020260280	2020260491	2020273511
2020274854	2020275137	2020280767	2020281468
2020283012	2020283316	2020286226	2020294231
2020304682	2020308962	2020312367	2020314346
2020315412	2020330180	2020330701	2020331804
2020338836	2020340650	2020342206	2020345730
2020346227	2020346973	2020347858	2020349953
2020358122	2020365104	2020385209	2020392084
2020397983	2020423946	2020439607	2020472610
2021200183	2021200484	2021201065	2021201889
2021202206	2021202216	2021202362	2021202382
2021202533	2021202579	2021202673	2021202729
2021202956	2021203049	2021203590	2021203695
2021203812	2021203882	2021204021	2021204049
2021204091	2021204316	2021204436	2021204504
2021204556	2021212087	2021212155	2021214954

**Patents Granted**

**Standard Patents**

2021215117	2021218012	2021221861	2021222686
2021225142	2021232001	2021232776	2021232839
2021236556	2021236562	2021245155	2021245262
2021250928	2021250958	2021253086	2021254573
2021258071	2021259899	2021261889	2021261911
2021261980	2021266229	2021273666	2021277677
2021277693	2021282393	2021282402	2021282479
2021290371	2021307402	2021325335	2021349382
2021361359	2021362389	2021384232	2022200023
2022200294	2022200464	2022200501	2022200872
2022200907	2022200963	2022201244	2022201403
2022201406	2022201783	2022201789	2022201810
2022202892	2022203040	2022203064	2022203174
2022203186	2022203200	2022203285	2022203301
2022204724	2022209248	2022224797	2022322810
2022338581	2023202275	2023203146	

**Assignments Registered**

2003274842 National Oilwell Varco, L.P.; NOV International Holdings GP LLC; Grant Prideco, Inc. The patent has been assigned to **Grant Prideco, Inc.**

2003297072 Chicago Bridge & Iron Company The patent has been assigned to **CB&I STS Delaware LLC**

2007268120 Chicago Bridge & Iron Company The patent has been assigned to **CB&I STS Delaware LLC**

2008262151 Chicago Bridge & Iron Company The patent has been assigned to **CB&I STS Delaware LLC**

2008271359 Evodos B.V. The patent has been assigned to **Bioorganics UFT B.V.**

2009249895 Ostervold, Tor; Ostervold, Sten The patent has been assigned to **ECOSubsea AS**

2009311617 Chicago Bridge & Iron Company The patent has been assigned to **CB&I STS Delaware LLC**

2012208997 Agrigenetics, Inc. The patent has been assigned to **DLF USA Inc.**

2012213330 SUNPARTNER TECHNOLOGIES The patent has been assigned to **GARMIN SWITZERLAND GMBH**

2012246069 Biotarget Engagement Interest Group AB The patent has been assigned to **Pelago Bioscience AB**

2012347470 Metavention, Inc. The patent has been assigned to **Medtronic Ireland Manufacturing Unlimited Company**

2012352153 Decipher Biosciences, Inc. The patent has been assigned to **Veracyte, Inc.**

2012395964 Veit, Guenther The patent has been assigned to **Schrey & Veit GmbH**

2013202587 Dolphin, William; AVITA Medical Pty Ltd; Quick, Andrew The patent has been assigned to **AVITA Medical Pty Ltd**

2013352102 OM Engineering; Chicago Bridge & Iron Company The patent has been assigned to **OM Engineering; CB&I STS Delaware LLC**

2014274903 Metavention, Inc. The patent has been assigned to **Medtronic Ireland Manufacturing Unlimited Company**

2014280955 Field, Leslie; Strehlow, Susan; Duff, David; Wiefing, Kimberly The patent has been assigned to **Arctic Ice Project**

**Assignments Registered**

2015323919 Alforex Seeds LLC The patent has been assigned to **DLF USA Inc.**

2015358385 Metavention, Inc. The patent has been assigned to **Medtronic Ireland Manufacturing Unlimited Company**

2015366914 SHANDONG XINCHUANG BIOTECHNOLOGY CO., LTD. The patent has been assigned to **Shihuida Pharmaceutical Group (Jilin) Co., Ltd.**

2016208499 NOV International Holdings GP LLC; Grant Prideco, Inc.; National Oilwell Varco, L.P. The patent has been assigned to **Grant Prideco, Inc.**

2016277791 National Oilwell Varco, L.P.; NOV International Holdings GP LLC; Grant Prideco, Inc. The patent has been assigned to **Grant Prideco, Inc.**

2016305488 Cool Off Pty Ltd The patent has been assigned to **COS IPT Pty Ltd**

2016334893 Decipher Biosciences, Inc. The patent has been assigned to **Veracyte, Inc.**

2017202821 Metavention, Inc. The patent has been assigned to **Medtronic Ireland Manufacturing Unlimited Company**

2017354172 SMART ROPING, LLC The patent has been assigned to **SMARTY RODEO, LLC**

2018204529 Phonovation Limited The patent has been assigned to **Pamgo Solutions Limited**

2019101653 Weinberg, Jonathan The patent has been assigned to **ColdVestPatent LLC**

2019201729 Metavention, Inc. The patent has been assigned to **Medtronic Ireland Manufacturing Unlimited Company**

2019333835 M & J SCIENTIFIC, LLC The patent has been assigned to **Tosoh Corporation**

2022263574 Bayer CropScience LP The patent has been assigned to **Discovery Purchaser Corporation**

**Mortgages Registered - Section 187, Reg. 19**

(The name in the parentheses is that of the mortgagee)

2017245361 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2017356808 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2018204706 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2018205150 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2018207075 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2018247252 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2018250380 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2018251878 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

**Mortgages Registered - Section 187, Reg. 19**

2018254834 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

2018308383 Weatherford Technology Holdings, LLC ( BTA Institutional Services Australia Limited )

**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.

2007285976 **Xencor, Inc**

The earliest first regulatory approval date provided by the patentee 20 Jun 2023

For the goods MINJUVI Tafasitamab

2011203503 **Xencor, Inc.**

The earliest first regulatory approval date provided by the patentee 20 Jun 2023

For the goods MINJUVI tafasitamab

**Applications Accepted**

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

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

2016308567 **Janssen Biotech, Inc.**

The earliest first regulatory approval date provided by the patentee 14 Jun 2023

For the goods TECVAYLI teclistamab

Address for service : Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Corrigenda**

In Vol 34 , No 2 , Page(s) 229 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Caterpillar Sarl, Application No. 2018281872 , under INID (71) correct the applicant name to Caterpillar SARL

In Vol 57 , No 18 , Page(s) 2591 under the heading **Applications Accepted - Name Index** Under the name Caterpillar Sarl, Application No. 2018281872 , under INID (71) correct the applicant name to Caterpillar SARL

In Vol 57 , No 40 , Page(s) 5756 under the heading **Amendments - Application for Amendments** Under the name The Scripps Research Institute, International AIDS Vaccine Initiative and Theraclone Sciences, Inc. Application No. 2020203853 correct the date of the statements filed to 14 Sep 2023 and 28 Sep 2023

In Vol 57 , No 41 , Page(s) 5897 under the heading **Amendments - Application for Amendments** Under the name Thanh Tri Lam, Application No. 2023208068 correct the date of the statements filed to read 29 Sep 2023, 03 Oct 2023

**Specifications Republished**

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

- 2017371301 **GeneMedicine Co., Ltd.**
- 2018307307 **Toppan Printing Co., Ltd.**
- 2019257315 **Qualcomm Incorporated**
- 2020408730 **Yangtze River Pharmaceutical Group Guangzhou Hairui Pharmaceutical Co., Ltd.; Yangtze River Pharmaceutical (Group) Co., Ltd.; Yangtze River Pharmaceutical Group Jiangsu Longfengtang Traditional Chinese Medicine Co., Ltd.**
- 2022231106 **NOURISH INGREDIENTS PTY LTD**
- 2022232548 **GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.**
- 2022232674 **GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.; BRIGHTGENE BIO-MEDICAL TECHNOLOGY CO., LTD.**
- 2022233849 **AKERSHUS UNIVERSITETSSYKEHUS HF**
- 2022233852 **BIOINVENT INTERNATIONAL AB; UNIVERSITY OF SOUTHAMPTON**
- 2022233957 **REDBIOTEC AG**
- 2022237663 **METAGENOMI, INC.**
- 2022239051 **MIE UNIVERSITY; THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS**
- 2022241385 **ADMARE THERAPEUTICS SOCIETY; PROVINCIAL HEALTH SERVICES AUTHORITY; UVIC INDUSTRY PARTNERSHIPS INC.**
- 2022241942 **GELITA AG**
- 2022244100 **HOOKIPA BIOTECH GMBH**
- 2022244125 **BIONTECH SE**
- 2022244381 **SYNLOGIC OPERATING COMPANY, INC.**
- 2022245391 **THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE**
- 2022245592 **JCR PHARMACEUTICALS CO., LTD.**
- 2022246593 **JUNO THERAPEUTICS, INC.**
- 2022246687 **REGENERON PHARMACEUTICALS, INC.**
- 2022246850 **JAZZ PHARMACEUTICALS IRELAND LTD.**
- 2022246851 **REJUVENATION TECHNOLOGIES INC.**
- 2022246895 **FLAGSHIP PIONEERING INNOVATIONS V, INC.**
- 2022246917 **KRYSTAL BIOTECH, INC.**
- 2022249092 **TRISALUS LIFE SCIENCES, INC.**
- 2022249223 **AMBRX, INC.**
- 2022249357 **MODERNATX, INC.**
- 2022249392 **NUTCRACKER THERAPEUTICS, INC.**
- 2022251320 **4C BIOMED LIMITED; SHEBA IMPACT LTD.**
- 2022252307 **ANWITA BIOSCIENCES, INC.**
- 2022252407 **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA**
- 2022253004 **THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM; RECODE THERAPEUTICS, INC.**
- 2022253351 **OSE IMMUNOTHERAPEUTICS**
- 2022253477 **WILLIAM MARSH RICE UNIVERSITY**
- 2022254053 **UPSIDE FOODS, INC.**
- 2022254727 **SEAGEN INC.**
- 2022255586 **BERLIN CURES GMBH**
- 2022256043 **REGENERON PHARMACEUTICALS, INC.**
- 2022256455 **VILLARIS THERAPEUTICS, INC.**
- 2022257812 **MEDGENE THERAPEUTICS, INC.**
- 2022258329 **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA**
- 2022258839 **MASSACHUSETTS INSTITUTE OF TECHNOLOGY; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA**
- 2022259323 **LEGEND BIOTECH USA INC.**
- 2022260526 **VIFOR (INTERNATIONAL) AG**
- 2022261359 **NOVO NORDISK A/S; DICERNA PHARMACEUTICALS, INC.**
- 2022261427 **GENFIT**

**Specifications Republished**

- 2022262662 **THE J. DAVID GLADSTONE INSTITUTES; VXBIOSCIENCES, INC.**
- 2022264303 **ILLUMINA, INC.; ILLUMINA CAMBRIDGE LIMITED**
- 2022264478 **ALNYLAM PHARMACEUTICALS, INC.**
- 2022266583 **MILLENNIUM PHARMACEUTICALS, INC.**
- 2022266584 **MILLENNIUM PHARMACEUTICALS, INC.**
- 2022266783 **PIONEER HI-BRED INTERNATIONAL, INC.**
- 2022270937 **RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V.**
- 2022285665 **AMGEN INC.**
- 2022342994 **ANYGEN CO., LTD.**