



Australian Government

IP Australia

AUSTRALIAN OFFICIAL JOURNAL

OF

PATENTS

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General Information

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

Editorial enquiries

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Country Codes

Trade Mark and Designs Hearing Sessions

INID (Internationally agreed Numbers for the Identification of Data)

GUIDE TO THE USE OF THIS JOURNAL

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

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

(i) FILING -

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

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

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

(iii) ACCEPTANCE –

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

(iv) OPPOSITION –

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

(v) GRANTING –

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

(vi) CERTIFICATION

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

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

How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

How Australian Patent Documents are Numbered

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

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

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

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

See Examples:

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

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

Arrangement of Information in the Journal

For each of the categories

- (i) Provisional Applications Filed,
- (ii) Complete Applications Filed,
- iii) Applications Open to Public Inspection
- (iv) Applications Accepted, and
- (v) Innovation Patent Certified.

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

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

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

Using the Indices

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

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

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

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

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

2. 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.
- (44) 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.
- (45) Date of publication by printing or similar process of a document, on which grant or certification has taken place on or before the said date.

(50) Technical Information

- (51) International Patent Classification
- (52) Domestic or national classification
- (54) Title of invention
- (56) List of prior art documents, if separate from descriptive text
- (57) Abstract or claim

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

- (60) Related by cognate(s).
- (61) Related by addition(s).
- (62) Related by division(s).

(70) Identification of parties concerned with the document

- (71) Name(s) of applicant(s)
- (72) Name(s) of inventor(s) if known to be such
- (74) Name(s) of attorney(s) or agent(s)
- (75) Name(s) of inventor(s) who is (are) also applicant(s)

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

- (86) PCT Application Number
- (87) PCT Publication Number

NOTE

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

AU-A = Pre-examination

AU-B = Post-examination

- (2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)₂, (51)₃, (51)₄ and (51)₅.
- (3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 27 February 2020
Abstract of Decision

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Shen Dian Enterprise Ltd v ARK Corporation Pty Ltd [2020] APO 11

Patent Application: 2011205034

Title: Charging Apparatus and Portable Power Supply

Patent Applicant: ARK Corporation Pty Ltd

Opponent: Shen Dian Enterprise Ltd

Delegate: R Subbarayan

Decision Date: 19 February 2020

Hearing Date: Written submissions filed on 27 September 2019

Catchwords: **PATENTS** – section 59 – final determination – amendments overcome deficiencies identified in previous decision – application to proceed to grant

Representation: Patent attorney for the applicant: Ian Lester of Foundry Intellectual Property Pty Ltd
Patent attorney for the opponent: Spruson & Ferguson

Proceedings under the Patents Act 1990

Provisional Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 11 Feb 2020 .

(71) 4 Season Company Pty Ltd (21) 2020900366 (22) 11.02.2020 (54) Emissions-reducing feed supplement	(71) Bucceri, A. (21) 2020900409 (22) 13.02.2020 (54) An apparatus for playing tabletop sports games on mobile phone Applications. The apparatus includes at least one removable electronic device having at least one proximity sensor, a transparent cover, a flexible wall and a game piece, such as a ball. Each proximity sensor is adapted to sense the game piece and activates a visual or audio indicator on the at least one removable electronic device if the game piece is within a range of the at least one proximity sensor	(71) CWEK PTY LTD (21) 2020900407 (22) 13.02.2020 (54) Antifungal carrier composition
(71) Aero Travel Solutions Pty Ltd (21) 2020900438 (22) 17.02.2020 (54) System and Method for Integrated Multimodal Travel Bookings	(71) Catoi, P. (21) 2020900376 (22) 11.02.2020 (54) Resin Cartridge	(71) CWEK PTY LTD (21) 2020900431 (22) 15.02.2020 (54) Single step cannabinoid extraction and nanoemulsion formulation for transdermal delivery.
(71) Arakel, A.; Pact Renewables Pty Ltd (21) 2020900396 (22) 12.02.2020 (54) Mineral-Based Composites Using CO2 Gas	(71) CCL Secure Pty Ltd (21) 2020900385 (22) 12.02.2020 (54) An optical effect device	(71) Darcy, E. (21) 2020900432 (22) 16.02.2020 (54) Aperture Locating Apparatus, System and Method
(71) Armour Wall Group Pty Ltd (21) 2020900445 (22) 17.02.2020 (54) Building Module and System	(71) Christensen, M. (21) 2020900395 (22) 12.02.2020 (54) Single Sided Toast. 1 side is bread, 1 side is toast.	DATTADA, V.K.R. see WATT TECHNOLOGIES PTY LTD (21) 2020900411
(71) Atallah, J. (21) 2020900388 (22) 12.02.2020 (54) Apparatus for making Coffee and associated Method	(71) Clarke, H. (21) 2020900379 (22) 12.02.2020 (54) String in bag for blasts	(71) Deakin University (21) 2020900369 (22) 11.02.2020 (54) Pre-Stabilisation Reactor and System
(71) B.M.B Investments Pty Ltd (21) 2020900367 (22) 11.02.2020 (54) A multipurpose screw	(71) Clean TeQ Pty Ltd (21) 2020900384 (22) 12.02.2020 (54) A PROCESS AND A PLANT	(71) Exy Mining Solutions Pty Ltd (21) 2020900389 (22) 12.02.2020 (54) Sleeve for a drill rod and related method and system
(71) Belmedow Pty Ltd (21) 2020900368 (22) 11.02.2020 (54) SYSTEM AND METHOD FOR ADMINISTERING MEDICAL REGIMES	(71) Containermax Pty Ltd (21) 2020900394 (22) 12.02.2020 (54) Trailer for transporting shipping container	(71) Flatow, W. (21) 2020900417 (22) 14.02.2020 (54) The aim of this invention is to provide the ability to recover all accounts and reset all passwords for a person based on their personal information, similar to a bank account recovery, without the need to store any of that personal data.
(71) Blakemere Engineering Pty Ltd (21) 2020900424 (22) 14.02.2020 (54) Subsea filter	(71) Crowe, M. (21) 2020900406 (22) 13.02.2020 (54) A SYSTEM AND METHOD FOR PRODUCING FODDER	(71) Garvan Institute of Medical Research (21) 2020900400 (22) 13.02.2020 (54) Reference ladders

Provisional Applications Filed - Name Index cont'd

(71) Garvan Institute of Medical Research
(21) 2020900401 (22) 13.02.2020
(54) Reference adapters

(71) Gearon, M.
(21) 2020900375 (22) 11.02.2020
(54) Calculating method for exercise device

(71) Gearon, M.
(21) 2020900392 (22) 12.02.2020
(54) improvements to climb exercise devices

(71) Gremarnig Holdings Pty Ltd
(21) 2020900426 (22) 14.02.2020
(54) Lockout Station

(71) Hanrob Professionals Pty Limited
(21) 2020900440 (22) 17.02.2020
(54) ANIMAL TRANSFER APPARATUS

(71) Hellwege, S.
(21) 2020900436 (22) 16.02.2020
(54) Good Ride - The ride share alternative

(71) Howard Porter Pty Ltd
(21) 2020900370 (22) 11.02.2020
(54) Stabiliser Apparatus

(71) Innovative Products Pty Ltd
(21) 2020900393 (22) 12.02.2020
(54) CONDUIT INSERT AND THE MANUFACTURE AND USE THEREOF

(71) Klevaklip Systems Pty Ltd
(21) 2020900365 (22) 11.02.2020
(54) SUPPORT ASSEMBLY FOR BUILDING STRUCTURES

(71) Knowles, J.
(21) 2020900362 (22) 10.02.2020
(54) The Bin-Credibles. A camp specific waste management system to allow students and participants to manage and sort their waste during multi-day outdoor journeys, without compromising weight, or space.

(71) Komipharm International Australia Pty Ltd; Panaphix, Inc.
(21) 2020900433 (22) 16.02.2020
(54) METHOD OF TREATMENT

(71) Lee, W.
(21) 2020900364 (22) 11.02.2020
(54) Wall Cladding

(71) Lee, K.
(21) 2020900398 (22) 13.02.2020
(54) Mandibular advancement splint with magnetic attachments to prevent or reduce mouth opening during sleep.

(71) LEMOS, F.
(21) 2020900435 (22) 16.02.2020
(54) Poplevelpop is a shoulder strap with a device that holds a cellphone in a position where a person can use it without holding it with hands. It's a invention that will be mainly, but not limited, used for watching videos, making video calls, or anything that requires the phone in front of you. The device that holds can be removed from the strap and used in a bag, backpack strap or anything that goes in the shoulder.

(71) Leviny, G.
(21) 2020900387 (22) 12.02.2020
(54) Energy Generator

(71) Logie, P.
(21) 2020900381 (22) 12.02.2020
(54) A trolley for cable drums

(71) Macquarie University
(21) 2020900425 (22) 14.02.2020
(54) Transistor array or power amplifier with in-built thermal sensor

(71) MATANIEL LAURATE PTY LTD
(21) 2020900415 (22) 14.02.2020
(54) SECURING DEVICE

(71) McEachern, J.
(21) 2020900356 (22) 10.02.2020
(54) A SLEEVE FOR A BEVERAGE CONTAINER

(71) Morgan, G.
(21) 2020900378 (22) 11.02.2020
(54) A Scribing Tool

Nanyang Technological University see The University of Wollongong
(21) 2020900391

National University of Singapore see The University of Wollongong
(21) 2020900391

(71) Neomorph Pty Ltd
(21) 2020900372 (22) 11.02.2020
(54) Heat Mouldable Mouth Guard

(71) Nichol, L.
(21) 2020900373 (22) 11.02.2020
(54) identity

(71) NORTHWATER PTY LTD
(21) 2020900382 (22) 12.02.2020
(54) Automated water bore testing

(71) NORTHWATER PTY LTD
(21) 2020900383 (22) 12.02.2020
(54) Manufacturing telemetry units

(71) NTHALMIC HOLDING PTY LTD
(21) 2020900397 (22) 12.02.2020
(54) Corrective lenses

(71) NTHALMIC HOLDING PTY LTD
(21) 2020900412 (22) 14.02.2020
(54) Contact Lens

(71) NTHALMIC HOLDING PTY LTD
(21) 2020900413 (22) 14.02.2020
(54) Lens Kit

(71) NTHALMIC HOLDING PTY LTD
(21) 2020900414 (22) 14.02.2020
(54) Freeform Lens

(71) O'Dare, M.
(21) 2020900404 (22) 13.02.2020
(54) Collar Assembly

(71) Packaged Dangerous Goods Pty Ltd
(21) 2020900427 (22) 14.02.2020
(54) SYSTEM AND METHOD FOR MANAGING GOODS TRANSPORT COMPLIANCE

Pact Renewables Pty Ltd see Arakel, A.
(21) 2020900396

(71) Paisley, W.
(21) 2020900422 (22) 14.02.2020
(54) Systems And Methods For Creating And Managing Clinical Decision Support Systems

Panaphix, Inc. see Komipharm International Australia Pty Ltd
(21) 2020900433

(71) PC Plastics Pty Ltd
(21) 2020900386 (22) 12.02.2020
(54) A TERMITE RESISTANT COLLAR

(71) PEDDERS SHOCK ABSORBER SERVICE PTY LTD
(21) 2020900423 (22) 14.02.2020
(54) ON-BOARD VEHICLE SCALES

Provisional Applications Filed - Name Index cont'd

(71) Pelleton Global Renewables Ltd
(21) 2020900430 (22) 14.02.2020
(54) Absorbent material

(71) POP this POP that Pty Ltd
(21) 2020900428 (22) 14.02.2020
(54) Display Stand Stabiliser for Merchandise Hook

(71) PRVSNS IP CO PTY LTD
(21) 2020900363 (22) 11.02.2020
(54) A sports supplement dispenser

(71) Quee, J.
(21) 2020900374 (22) 11.02.2020
(54) Fire Prevention Apparatus, System and Method

(71) Renewtrak Global Services Pty Ltd
(21) 2020900444 (22) 17.02.2020
(54) Architecture construction system

(71) Rubrica
(21) 2020900434 (22) 16.02.2020
(54) bi-axial ball tip for use and attachment to a Mobility cane for blind and low vision persons

(71) Sanders, J.
(21) 2020900410 (22) 13.02.2020
(54) A machine design and process control method for heating and cooling a vessel in beer brewing.

(71) Scott Technology Limited
(21) 2020900390 (22) 12.02.2020
(54) FORCE DEFLECTIVE TOOL CARRIER

(71) STAR LOGIXS PTY. LTD.
(21) 2020900371 (22) 11.02.2020
(54) Electric Rubbish Compactor

(71) Stramit Corporation Pty Limited
(21) 2020900421 (22) 14.02.2020
(54) Fascia Panel

(71) Tasocs Pty Ltd
(21) 2020900443 (22) 17.02.2020
(54) Improvements to heat exchangers

(71) Technological Resources Pty. Limited
(21) 2020900403 (22) 13.02.2020
(54) Leaching Copper-Containing Ores

(71) The Trustee for PR IP Trust
(21) 2020900437 (22) 17.02.2020
(54) A monitoring system for a fluid tank

(71) The University of Melbourne
(21) 2020900358 (22) 10.02.2020
(54) Methods for promoting urethral closure

(71) THE UNIVERSITY OF WESTERN AUSTRALIA
(21) 2020900447 (22) 17.02.2020
(54) A method of imaging a sample material

(71) The University of Wollongong; Nanyang Technological University; National University of Singapore
(21) 2020900391 (22) 12.02.2020
(54) Antimicrobial compounds

(71) TNBT Holdings Pty Ltd
(21) 2020900399 (22) 13.02.2020
(54) A PADLOCK

(71) Tolond, I.
(21) 2020900418 (22) 14.02.2020
(54) Utilise Smart devices via wireless protocols and acoustic methods (including underwater acoustic) to provide communication for remote control vehicles (terrestrial vehicles, Aircraft ships & submersibles). Eliminated and/or augmenting traditional RF control methods.

(71) Underwood, P.
(21) 2020900429 (22) 14.02.2020
(54) A Securing Device

(71) UNIVERSITY OF WESTERN AUSTRALIA
(21) 2020900408 (22) 13.02.2020
(54) Rheology Control and Improved Mineral Separation of Slurries with Additives

(71) Verbeek, P.
(21) 2020900402 (22) 13.02.2020
(54) Ground Engagement Device

(71) VTEX Pty Ltd
(21) 2020900405 (22) 13.02.2020
(54) PICKET POST

(71) Walpole, P.
(21) 2020900416 (22) 14.02.2020
(54) Quicker Bus

(71) WATT TECHNOLOGIES PTY LTD; DATTA, V.K.R.
(21) 2020900411 (22) 14.02.2020
(54) WHS Permit Application

(71) WIREMAN PTY LIMITED
(21) 2020900420 (22) 14.02.2020
(54) A Fence Post Body

(71) Wriveted Pty Ltd
(21) 2020900380 (22) 12.02.2020
(54) Bookends

(71) Yeates, J.
(21) 2020900439 (22) 17.02.2020
(54) TPV-2L VARIANTS AND USES THERE-OF

(71) Zhang, S.
(21) 2020900377 (22) 11.02.2020
(54) APPARATUS AND METHOD FOR SEPARATING PARTICLES FROM A PARTICULATE SUSPENSION

(71) ZIP GLOBAL PTY LTD
(21) 2020900419 (22) 14.02.2020
(54) Zip Spin Mop

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Applications listed below were processed through the Patent Office Canberra during the period ending 11 Feb 2020 .

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

<hr/> <p>(71) 10X Genomics, Inc. (21) 2020201117 (22) 17.02.2020 (54) PROCESSES AND SYSTEMS FOR PREPARING NUCLEIC ACID SEQUENCING LIBRARIES AND LIBRARIES PREPARED USING SAME (62) 2016207023</p> <hr/> <p>(71) 3M Innovative Properties Company (21) 2020201047 (22) 13.02.2020 (54) Personal protective equipment system having analytics engine with integrated monitoring, alerting, and predictive safety event avoidance (62) 2017281894</p> <hr/> <p>(71) AddOn Optics Ltd. (21) 2020201126 (22) 17.02.2020 (54) Adhesive optical film to convert an eye-glass lens to a progressive lens (62) 2015260773</p> <hr/> <p>(71) ADIENNE Pharma & Biotech SA (21) 2020200970 (22) 11.02.2020 (54) Sterile or sterilized package for administration of medicinal or nutritional substances (31) 102019000002745 (32) 26.02.19 (33) IT</p> <hr/> <p>Agenus Inc. see The Board of Regents of the University of Oklahoma (21) 2020200990</p> <hr/> <p>(71) Akebia Therapeutics, Inc. (21) 2020200903 (22) 07.02.2020 (54) Compositions and methods for treating anemia (62) 2014278543</p> <hr/> <p>(71) ALSTOM Transport Technologies (21) 2020200942 (22) 10.02.2020 (54) Comfort device, in particular for equipping a public transport vehicle (31) 19 01352 (32) 11.02.19 (33) FR</p> <hr/> <p>(71) Amgen Inc. (21) 2020201012 (22) 13.02.2020 (54) Methods for treating homozygous familial hypercholesterolemia (62) 2013396206</p>	<p>(71) Amgen Inc. (21) 2020201051 (22) 13.02.2020 (54) A Method For Treating Melanoma Using A Herpes Simplex Virus And An Immune Checkpoint Inhibitor (62) 2018208640</p> <hr/> <p>(71) Amphastar Pharmaceuticals, Inc (21) 2020201000 (22) 12.02.2020 (54) High-purity inhalable particles of insulin and insulin analogues, and high-efficiency methods of manufacturing the same (62) 2016385386</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (21) 2020201016 (22) 13.02.2020 (54) Gaming chip and management system (62) 2018202285</p> <hr/> <p>(71) Angel Playing Cards Co., Ltd. (21) 2020201080 (22) 14.02.2020 (54) CARD SHOOTER DEVICE AND CARD STORAGE METHOD (62) 2018200712</p> <hr/> <p>(71) Apple Inc. (21) 2020200937 (22) 10.02.2020 (54) Devices, methods, and graphical user interfaces for navigating between user interfaces and interacting with control objects (62) 2018253513</p> <hr/> <p>(71) Apple Inc. (21) 2020201019 (22) 13.02.2020 (54) Devices and methods for accessing prevalent device functions (62) 2017286113</p> <hr/> <p>(71) Apple Inc. (21) 2020201023 (22) 13.02.2020 (54) Adaptive transfer function for video encoding and decoding (62) 2018208733</p> <hr/> <p>(71) Apple Inc. (21) 2020201030 (22) 13.02.2020 (54) Intelligent digital assistant in a multi-tasking environment (62) 2019213416</p> <hr/> <p>(71) Apple Inc. (21) 2020201129 (22) 17.02.2020</p>	<p>(54) Unified communication application (62) 2016201444</p> <hr/> <p>(71) Applied Medical Resources Corporation (21) 2020201099 (22) 14.02.2020 (54) Simulated dissectible tissue (62) 2015235994</p> <hr/> <p>(71) Aqseptence Group, Inc. (21) 2020201107 (22) 17.02.2020 (54) Enhanced Shape Support Grid (62) 2018201031</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2020200974 (22) 11.02.2020 (54) CONTROLLING AN ELECTRONIC GAMING MACHINE TO PROVIDE A PRIZE ON SYMBOL TRIGGER (31) 16/283,426 (32) 22.02.19 (33) US</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2020201010 (22) 12.02.2020 (54) A gaming system and a method of gaming (62) 2018201424</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2020201125 (22) 17.02.2020 (54) A GAMING SYSTEM (62) 2018214060</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2020201127 (22) 17.02.2020 (54) A GAMING SYSTEM (62) 2018214061</p> <hr/> <p>(71) ASSA ABLOY Australia Pty Limited (21) 2020201052 (22) 13.02.2020 (54) MORTICE LOCK ASSEMBLY WITH IMPROVED DEADLATCHING (31) 2019900466 (32) 14.02.19 (33) AU</p> <hr/> <p>(71) ASSA ABLOY New Zealand Limited (21) 2020201072 (22) 14.02.2020 (54) WINDOW STAY (31) 750782 (32) 18.02.19 (33) NZ</p> <hr/> <p>(71) Auspex Pharmaceuticals, Inc. (21) 2020201091 (22) 14.02.2020</p>
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<p>(54) Methods of manufacturing benzoquinoline compounds (62) 2014357518</p>	<p>FINANCIAL STATEMENT CONFIRMATION (62) 2018202007</p>	<hr/> <p>(71) Dermcare-Vet Pty Ltd (21) 2020201113 (22) 17.02.2020 (54) Antimicrobial compositions and methods of use (62) 2014301961</p>
<hr/> <p>(71) B&L Biotech, Inc.; Lee, I. (21) 2020201075 (22) 14.02.2020 (54) Digital measurement apparatus and digital measurement method using the same (31) 10-2019-0164002 (32) 10.12.19 (33) KR</p>	<hr/> <p>(71) CareFusion 303, Inc. (21) 2020201040 (22) 13.02.2020 (54) Managing re-use of returned medications (62) 2014268476</p>	<hr/> <p>(71) Deutsches Krebsforschungszentrum; Ruprecht-Karls-Universität Heidelberg (21) 2020201086 (22) 14.02.2020 (54) Labeled inhibitors of prostate specific membrane antigen (PSMA), their use as imaging agents and pharmaceutical agents for the treatment of prostate cancer (62) 2018200419</p>
<hr/> <p>(71) Bamboo Therapeutics, Inc. (21) 2020200976 (22) 11.02.2020 (54) Modified friedreich ataxia genes and vectors for gene therapy (62) 2016347887</p>	<hr/> <p>(71) CEM Corporation (21) 2020201111 (22) 17.02.2020 (54) RAPID ENERGIZED DISPERSIVE SOLID PHASE EXTRACTION (SPE) FOR ANALYTICAL ANALYSIS (62) 2018253512</p>	<hr/> <p>(71) Dynamics Inc. (21) 2020200939 (22) 10.02.2020 (54) Cards and devices with magnetic emulators for communicating with magnetic stripe readers and applications for the same (62) 2018202281</p>
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<hr/> <p>BASSON, J. see Contitech Transportbandsysteme GmbH (21) 2020200943</p>	<hr/> <p>(71) Contitech Transportbandsysteme GmbH; WALLACE, J.; BASSON, J. (21) 2020200943 (22) 10.02.2020 (54) Pipe belt orientation monitoring (62) 2018250413</p>	<hr/> <p>(71) Dynamics Inc. (21) 2020200940 (22) 10.02.2020 (54) Cards and devices with magnetic emulators for communicating with magnetic stripe readers and applications for the same (62) 2018202290</p>
<hr/> <p>(71) Bayer Pharma Aktiengesellschaft (21) 2020200979 (22) 11.02.2020 (54) New substituted indazoles, methods for the production thereof, pharmaceutical preparations that contain said new substituted indazoles, and use of said new substituted indazoles to produce drugs (62) 2015352603</p>	<hr/> <p>(71) CytomX Therapeutics, Inc. (21) 2020200981 (22) 11.02.2020 (54) Multispecific antibodies, multispecific activatable antibodies and methods of using the same (62) 2014292924</p>	<hr/> <p>(71) E. I. du Pont de Nemours and Company (21) 2020201028 (22) 13.02.2020 (54) COW RUMEN XYLOSE ISOMERASES ACTIVE IN YEAST CELLS (62) 2014249370</p>
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<hr/> <p>(71) BEIGENE, LTD. (21) 2020201069 (22) 14.02.2020 (54) Anti-PD1 antibodies and their use as therapeutics and diagnostics (62) 2013400609</p>	<hr/> <p>(71) Deere & Company (21) 2020201034 (22) 13.02.2020 (54) Blade for work vehicle (31) 16/282,277 (32) 21.02.19 (33) US</p>	<hr/> <p>(71) Eagle Technology, LLC (21) 2020201082 (22) 14.02.2020 (54) MITIGATING ECHO AND SPURIOUS AUDIO NOISES IN RADIO COMMUNICATION SYSTEMS (31) 2016/363,683 (32) 25.03.19 (33) US</p>
<hr/> <p>(71) BE Intellectual Property, Inc. (21) 2020201068 (22) 14.02.2020 (54) Aircraft interior lavatory (62) 2017221822</p>	<hr/> <p>(71) Deere & Company (21) 2020201035 (22) 13.02.2020 (54) Dozer blade for work vehicle (31) 16/282,288 (32) 21.02.19 (33) US</p>	<hr/> <p>(71) Eagle Technology, LLC (21) 2020201085 (22) 14.02.2020 (54) LAND MOBILE RADIOS AND METHODS FOR OPERATING THE SAME (31) 2016/360,680 (32) 21.03.19 (33) US</p>
<hr/> <p>(71) Boston Scientific Scimed, Inc. (21) 2020201128 (22) 17.02.2020 (54) Penile implant (62) 2018204790</p>	<hr/> <p>(71) Deks Industries Pty Ltd (21) 2020201094 (22) 14.02.2020 (54) Utility Marker Posts (31) 2019900475 (32) 14.02.19 (33) AU</p>	<hr/> <p>(71) Earthway Products Inc (21) 2020201102 (22) 15.02.2020 (54) DUAL-IMPELLER SPREADER WITH DUAL SHUT-OFF CONTROLS (31) US 16/598,139 (32) 10.10.19 (33) US</p>
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(71) Ecolab USA, Inc.
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 (54) Dishmachine
 (62) 2017200059

(71) Eddington, G.
 (21) 2020201132 (22) 17.02.2020
 (54) Opposing Torque Dynamic Clutch

(71) Epizyme, Inc.
 (21) 2020200994 (22) 12.02.2020
 (54) METHOD OF TREATING CANCER
 (62) 2014337121

(71) EVERETT, T.
 (21) 2020201095 (22) 14.02.2020
 (54) CABLE TRANSFER IMPROVEMENTS
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(71) Facebook, Inc.
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 (62) 2014278473

(71) Ferrara, L.
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 (54) Composite devices and methods for providing protection against traumatic tissue injury
 (62) 2015203945

(71) Fisher & Paykel Healthcare Limited
 (21) 2020200999 (22) 12.02.2020
 (54) Patient Interfaces
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(71) Fisher & Paykel Healthcare Limited
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(71) FISHER & PAYKEL HEALTHCARE LIMITED
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 (62) 2015223574

(71) FISHER & PAYKEL HEALTHCARE LIMITED
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(71) Foster, D.
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(71) Foundation Medicine, Inc.
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 (62) 2019279918

(71) Fox Sports Productions, LLC
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(71) FRESENIUS KABI DEUTSCHLAND GMBH
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 (54) Liquid pharmaceutical composition
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(71) Geary, S.
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 (54) An alarm system for a container
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(71) GE Global Sourcing LLC
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 (54) BLOWER SYSTEM AND METHOD
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(71) Gemalto SA
 (21) 2020201106 (22) 17.02.2020
 (54) RADIOFREQUENCY DEVICE WITH ADJUSTABLE LC CIRCUIT COMPRISING AN ELECTRICAL AND/OR ELECTRONIC MODULE
 (62) 2016374017

(71) GENENTECH, INC.
 (21) 2020201070 (22) 14.02.2020
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(71) GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.
 (21) 2020200975 (22) 11.02.2020
 (54) NEW STABLE ANTIBODY-DRUG CONJUGATE, PREPARATION METHOD THEREFOR, AND USE THEREOF
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(71) Gilead Science, Inc.
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(71) Gilead Sciences, Inc.
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 (62) 2018236731

(71) Google LLC
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(71) Grifols Worldwide Operations Limited
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(71) Hope Medical Enterprise, Inc. d.b.a. Hope Pharmaceuticals
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(71) Hospira, Inc.
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 (54) Injection system
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(71) Huawei Technologies Co., Ltd.
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 (54) Quick screen splitting method, apparatus, and electronic device, display UI, and storage medium
 (62) 2015415755

(71) Iasis Molecular Sciences; Vachon, D.; Nordal, S.; Walters, D.
 (21) 2020200963 (22) 11.02.2020
 (54) Antimicrobial and biologically active polymer composites and related methods, materials and devices
 (62) 2015315108

(71) Iconic Fan Company Pty Ltd
 (21) 2020201110 (22) 17.02.2020

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(71) INCYTE HOLDINGS CORPORATION (21) 2020201011 (22) 12.02.2020 (54) SUSTAINED-RELEASE DOSAGE FORMS OF RUXOLITINIB (62) 2018203899	(71) Jayaram, N. (21) 2020201104 (22) 16.02.2020 (54) SELF POWERED SHIP USING WAVE INDUCED ENERGY PRODUCTION	(71) Margin-Clear Pty Ltd (21) 2020201134 (22) 17.02.2020 (54) A topical brachytherapy device and a method of treatment of malignant cancer cells (62) PCT/AU2019/050201
(71) INCYTE HOLDINGS CORPORATION (21) 2020201114 (22) 17.02.2020 (54) THIAZOLECARBOXAMIDES AND PYRIDINECARBOXAMIDE COMPOUNDS USEFUL AS PIM KINASE INHIBITORS (62) 2018217210	(71) Joy Global Underground Mining LLC (21) 2020200960 (22) 11.02.2020 (54) Systems and methods for controlling a longwall mining system based on a forward-looking mine profile (31) 16/359,051 (32) 20.03.19 (33) US	(71) MasterCard International Incorporated (21) 2020201044 (22) 13.02.2020 (54) Method and system for enhanced validation of cryptograms in cloud-based systems (62) 2016318327
Ineson, M. see Ineson, L. (21) 2020200993	(71) Just Pure Holdings Pty Ltd (21) 2020201133 (22) 17.02.2020 (54) PREPARATION FOR TREATMENT OF COLIC	(71) MAX CO., LTD. (21) 2020201050 (22) 13.02.2020 (54) Binding machine (31) 2019-023,659 (32) 13.02.19 (33) US
(71) Ineson, L.; Ineson, M. (21) 2020200993 (22) 12.02.2020 (54) A BRACKET SUPPORT ARRANGEMENT FOR A STEP, A STEP ASSEMBLY WITHIN A RETAINING WALL AND A METHOD OF CONSTRUCTION THEREOF (31) 2019900646 (32) 28.02.19 (33) AU	(71) Kelly Slater Wave Company, LLC (21) 2020201046 (22) 13.02.2020 (54) Surface gravity wave generator and wave pool (62) 2017210646	(71) Maytronics Ltd (21) 2020201054 (22) 13.02.2020 (54) PROTECTING PERSONAL DATA AND CONTROLLING A DISTRIBUTION OF PERSONAL DATA ACQUIRED BY A POOL CLEANING ROBOT (31) 62/800,528 (32) 03.02.19 (33) US
(71) Inner Mongolia University of Technology (21) 2020201084 (22) 14.02.2020 (54) TEST DEVICE AND METHOD FOR FLOWING WATER EROSION RESISTANCE OF HYDRAULIC STRUCTURE (31) 201910117959.6 (32) 15.02.19 (33) CN	(71) Kiniksa Pharmaceuticals, Ltd. (21) 2020200980 (22) 11.02.2020 (54) Oncostatin M receptor antigen binding proteins (62) 2017228686	(71) Memorial Sloan-Kettering Cancer Center (21) 2020201048 (22) 13.02.2020 (54) Method of nociceptor differentiation of human embryonic stem cells and uses thereof (62) 2018200059
(71) Interactive Intelligence Group, Inc. (21) 2020200997 (22) 12.02.2020 (54) OPTIMIZATION OF AUDIO FINGERPRINT SEARCH (62) 2015224564	(71) KONE CORPORATION (21) 2020200971 (22) 11.02.2020 (54) AN ELEVATOR CALL ALLOCATION IN AN ELEVATOR SYSTEM (31) 19161333.0 (32) 07.03.19 (33) EP	(71) Merhis Pty Ltd (21) 2020200977 (22) 11.02.2020 (54) Methods, systems and components for multi-storey building construction (62) 2018202096
(71) IPH International Pty Ltd (21) 2020201036 (22) 13.02.2020 (54) Self drilling screw (31) 2019900653 (32) 28.02.19 (33) AU	Korea Advanced Institute of Science and Technology see Seoul National University Hospital (21) 2020201037	(71) Mist Systems, Inc. (21) 2020201136 (22) 18.02.2020 (54) Systems and methods for a virtual network assistant (31) 16/279,243 (32) 19.02.19 (33) US
(71) Ishida Co., Ltd. (21) 2020201009 (22) 12.02.2020 (54) WEIGHING AND PACKAGING SYSTEM (31) 2019-023838 (32) 13.02.19 (33) JP 2020-003372 14.01.20 JP	(71) LANDA CORPORATION LTD (21) 2020200938 (22) 10.02.2020 (54) INK FILM CONSTRUCTIONS (62) 2018202043	(71) Motz Enterprises, Inc (21) 2020201063 (22) 14.02.2020 (54) Process and system for making an erosion control mat (31) 16/277,540 (32) 15.02.19 (33) US 16/295,784 07.03.19 US 16/530,450 02.08.19 US

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(71) Motz Enterprises, Inc.
 (21) 2020201071 (22) 14.02.2020
 (54) Flexible mat forming system and method
 (31) 16/277,540 (32) 15.02.19 (33) US
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 16/530,450 02.08.19 US

(71) NanoEMI sp. z o.o.
 (21) 2020201098 (22) 14.02.2020
 (54) COMPOSITE MATERIAL FOR SHIELD-
 ING ELECTROMAGNETIC RADI-
 ATION, RAW MATERIAL FOR ADDIT-
 IVE MANUFACTURING METHODS
 AND A PRODUCT COMPRISING THE
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 A METHOD OF MANUFACTURING
 THE PRODUCT
 (31) 19461516.7 (32) 28.02.19 (33) EP

(71) Naurex, Inc.
 (21) 2020201109 (22) 17.02.2020
 (54) NMDA receptor modulators and prodrugs,
 salts, and uses thereof
 (62) 2014342624

(71) NeRRe Therapeutics Limited
 (21) 2020201074 (22) 14.02.2020
 (54) Dual NK-1/NK-3 Receptor Antagonists For
 The Treatment Of Sex-Hormone-Depend-
 ent Diseases
 (62) 2016264034

(71) New York University
 (21) 2020200983 (22) 11.02.2020
 (54) Method for inducing antitumor immunity
 using sindbis viral vectors and tumor asso-
 ciated antigens
 (62) 2014318015

(71) Nextremity Solutions, Inc.
 (21) 2020201062 (22) 14.02.2020
 (54) Bone defect repair apparatus and method
 (31) 16/293,382 (32) 05.03.19 (33) US

(71) Nobel Biocare Services AG
 (21) 2020201077 (22) 14.02.2020
 (54) Screw and driver tool
 (62) 2018253625

Nordal, S. see Iasis Molecular Sciences
 (21) 2020200963

(71) Novalash Inc.
 (21) 2020201100 (22) 14.02.2020
 (54) Quality Controlled Artificial Eyelashes Ex-
 tension System
 (62) 2018204533

(71) Novartis AG
 (21) 2020201002 (22) 12.02.2020

(54) HUMANIZATION OF RABBIT ANTI-
 BODIES USING A UNIVERSAL ANTI-
 BODY FRAMEWORK
 (62) 2018200640

(71) Novartis AG
 (21) 2020201057 (22) 13.02.2020
 (54) Combination of c-Met inhibitor with anti-
 body molecule to PD-1 and uses thereof
 (62) 2016369623

(71) Novartis AG
 (21) 2020201112 (22) 17.02.2020
 (54) Regimens and methods of treating multiple
 sclerosis using ofatumumab
 (62) 2017311664

(71) OK Biotech Co. Ltd.
 (21) 2020200959 (22) 11.02.2020
 (54) Tour Bu
 (31) 108131627 (32) 03.09.19 (33) TW

(71) Ortho-Nutra, LLC
 (21) 2020200966 (22) 11.02.2020
 (54) Theacrine-based supplement and method of
 use thereof
 (62) 2014348672

(71) Phytogen Seed Company, LLC
 (21) 2020201015 (22) 13.02.2020
 (54) Cotton variety PX3B09W3FE

(71) Phytogen Seed Company, LLC
 (21) 2020201018 (22) 13.02.2020
 (54) Cotton variety PX3B07W3FE

(71) Phytogen Seed Company, LLC
 (21) 2020201021 (22) 13.02.2020
 (54) Cotton variety PX5D28W3FE

(71) Phytogen Seed Company, LLC
 (21) 2020201024 (22) 13.02.2020
 (54) Cotton variety PX5C09W3FE

(71) Phytogen Seed Company, LLC
 (21) 2020201025 (22) 13.02.2020
 (54) Cotton variety PX3C06W3FE

(71) Phytogen Seed Company, LLC
 (21) 2020201026 (22) 13.02.2020
 (54) Cotton variety PX2B12W3FE

(71) Phytogen Seed Company, LLC
 (21) 2020201027 (22) 13.02.2020
 (54) Cotton variety PX2B10W3FE

(71) Phytogen Seed Company, LLC
 (21) 2020201029 (22) 13.02.2020
 (54) Cotton variety PX2B04W3FE

(71) Polycorp Ltd.
 (21) 2020201119 (22) 17.02.2020
 (54) Discharge end wall sleeve inserts
 (62) 2015321378

(71) Poulton Technologies Limited
 (21) 2020200986 (22) 11.02.2020
 (54) Pipe connector
 (62) 2019201581

(71) Proteus Digital Health, Inc
 (21) 2020200935 (22) 10.02.2020
 (54) ELECTROMAGNETIC SENSING AND
 DETECTION OF INGESTIBLE EVENT
 MARKERS
 (62) 2017300786

(71) PsiOxus Therapeutics Limited
 (21) 2020201101 (22) 14.02.2020
 (54) A dosing regime and formulations for type
 B adenoviruses
 (62) 2014280123

(71) Purdue Research Foundation
 (21) 2020201042 (22) 13.02.2020
 (54) Collagen-binding synthetic peptidoglycans,
 preparation, and methods of use
 (62) 2017268544

(71) Qualcomm Incorporated
 (21) 2020201006 (22) 12.02.2020
 (54) TECHNIQUES FOR TRANSMITTING
 AND RECEIVING SYNCHRONIZATION
 SIGNALS OVER AN UNLICENSED RA-
 DIO FREQUENCY SPECTRUM BAND
 (62) 2015305889

(71) REG Life Sciences, LLC
 (21) 2020201038 (22) 13.02.2020
 (54) Microbial production of fatty diols
 (62) 2015289430

**Research & Business Foundation Sungkyunk-
 wan University see Seoul National University
 Hospital**
 (21) 2020201037

(71) Roar Holding LLC
 (21) 2020200964 (22) 11.02.2020
 (54) Energy drinks and other nutritional aids de-
 rived from agave-based spirits
 (62) 2015317751

(71) ROSS, K.
 (21) 2020200998 (22) 12.02.2020
 (54) Fluid Current Producing Apparatus As-
 sembly
 (31) 750607 (32) 12.02.19 (33) NZ

Complete Applications Filed - Name Index cont'd

**Ruprecht-Karls-Universität Heidelberg see
Deutsches Krebsforschungszentrum**
(21) 2020201086

(71) RYAN FARM MACHINERY (AUST)
PTY LTD
(21) 2020200978 (22) 11.02.2020
(54) ADJUSTABLE AGRICULTURAL CLOS-
ING WHEEL
(31) 2019900425 (32) 11.02.19 (33) AU

(71) SAS Institute Inc.
(21) 2020200967 (22) 11.02.2020
(54) CYBERSECURITY SYSTEM
(62) 2019203412

(71) Score (Europe) Limited
(21) 2020201089 (22) 14.02.2020
(54) Butterfly valve
(31) 1902373.8 (32) 21.02.19 (33) GB

(71) Sebela VLC Limited
(21) 2020201120 (22) 17.02.2020
(54) Intrauterine contraceptive device
(62) 2018200234

(71) Seoul National University Hospital; Re-
search & Business Foundation Sungkyunk-
wan University; Korea Advanced Institute
of Science and Technology
(21) 2020201037 (22) 13.02.2020
(54) Mesoporous silica nanoparticle composite
for biomedical treatment, method of produ-
cing the same, and pharmaceutical compos-
ition including the same
(31) 10-2019-0164147 (32) 10.12.19 (33) KR

(71) Shire Human Genetic Therapies, Inc.
(21) 2020201079 (22) 14.02.2020
(54) METHODS FOR PURIFICATION OF
ARYLSULFATASE A
(62) 2014205441

(71) Siluria Technologies, Inc.
(21) 2020201017 (22) 13.02.2020
(54) Catalysts for oxidative coupling of methane
and oxidative dehydrogenation of ethane
(62) 2015317805

(71) Smith & Nephew, Inc.; University of Mas-
sachusetts
(21) 2020201058 (22) 13.02.2020
(54) Negative pressure wound closure device
(62) 2018226486

(71) Smith & Nephew, Inc.
(21) 2020201073 (22) 14.02.2020
(54) Apparatus and method for administering a
medical device prescription
(62) 2014265471

(71) Softbank Robotics Europe
(21) 2020201118 (22) 17.02.2020
(54) Methods and systems for managing dialogs
of a robot
(62) 2018202082

(71) Start Smart Investments Pty Ltd
(21) 2020200992 (22) 12.02.2020
(54) Scaffolding mesh system
(31) 2019900444 (32) 12.02.19 (33) AU
2019900865 15.03.19 AU

(71) Stripe, Inc.
(21) 2020201049 (22) 13.02.2020
(54) Order management and processing using a
distributed commerce platform
(62) 2016307408

(71) STRYKER AUSTRALIA PTY LTD
(21) 2020201097 (22) 14.02.2020
(54) SYSTEMS FOR ASSISTING SURGERY
(31) 2019900476 (32) 14.02.19 (33) AU

(71) Stryker European Holdings I, LLC
(21) 2020201092 (22) 14.02.2020
(54) TISSUE RETRACTION AND VERTEB-
RAL DISPLACEMENT DEVICES, SYS-
TEMS, AND METHODS FOR POSTERI-
OR SPINAL FUSION
(62) 2014274626

(71) SunPower Corporation
(21) 2020200984 (22) 11.02.2020
(54) System and method for associating a load
demand with a variable power generation
(62) 2018253455

(71) Terumo Kabushiki Kaisha
(21) 2020201033 (22) 13.02.2020
(54) SYRINGE BARREL FOR PRE-FILLED
SYRINGE, SYRINGE SYSTEM, AND
PRE-FILLED SYRINGE
(62) 2017256308

(71) The Board of Regents of the University of
Oklahoma; Agenus Inc.
(21) 2020200990 (22) 12.02.2020
(54) Identification of MHC class I phospho-pep-
tide antigens from breast cancer utilizing
SHLA technology and complementary en-
richment strategies
(62) 2018201877

(71) The Boeing Company
(21) 2020201053 (22) 13.02.2020
(54) Sub-surface patterning for diffraction-based
strain measurement and damage detection
in structures
(31) 16/353,377 (32) 14.03.19 (33) US

(71) The Boeing Company
(21) 2020201137 (22) 18.02.2020

(54) Systems and methods for launching a plur-
ality of spacecraft
(31) 16/283,396 (32) 22.02.19 (33) US

(71) THE CHINESE UNIVERSITY OF HONG
KONG
(21) 2020201081 (22) 14.02.2020
(54) DETECTION OF GENETIC OR MO-
LECULAR ABERRATIONS ASSOCI-
ATED WITH CANCER
(62) 2017279575

(71) The Regents of the University of California
(21) 2020201078 (22) 14.02.2020
(54) Glycan-dependent immunotherapeutic mo-
lecules
(62) 2016257721

(71) The Werc Shop, LLC
(21) 2020201067 (22) 14.02.2020
(54) IMPROVED TERPENE-BASED COM-
POSITIONS, PROCESSES, METH-
ODOLOGIES FOR CREATION AND
PRODUCTS THEREBY
(62) 2018201704

(71) TRACTO-TECHNIK GmbH & Co. KG
(21) 2020200965 (22) 11.02.2020
(54) GROUND DRILLING DEVICE, METH-
OD FOR MAKING A GROUND
DRILLING DEVICE, METHOD FOR
MAINTAINING A GROUND DRILLING
DEVICE, AND USE OF A GROUND
DRILLING DEVICE
(31) 10 2019 000 932.0 (32) 11.02.19 (33) DE

(71) TRACTO-TECHNIK GmbH & Co. KG
(21) 2020200988 (22) 12.02.2020
(54) GROUND DRILLING DEVICE FOR
CABLE-GUIDED DRILLING, METH-
OD FOR CABLE-GUIDED GROUND
DRILLING, AND USE DURING CABLE-
GUIDED DRILLING
(31) 10 2019 001 109.0 (32) 15.02.19 (33) DE

(71) TRACTO-TECHNIK GmbH & Co. KG
(21) 2020201008 (22) 12.02.2020
(54) GROUND DRILLING DEVICE AND
USE OF A GROUND DRILLING
DEVICE
(31) 10 2019 001 046.9 (32) 13.02.19 (33) DE

(71) TRACTO-TECHNIK GmbH & Co. KG
(21) 2020201022 (22) 13.02.2020
(54) SYSTEM HAVING A GROUND
DRILLING DEVICE AND AN IN-
PUT DEVICE, METHOD FOR CON-
TROLLING THE OPERATION OF
A GROUND DRILLING DEVICE
AND USE OF A GROUND DRILLING
DEVICE
(31) 10 2019 001 107.4 (32) 15.02.19 (33) DE

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(71) TRACTO-TECHNIK GmbH & Co. KG
 (21) 2020201045 (22) 13.02.2020
 (54) SYSTEM COMPRISING A GROUND DRILLING DEVICE, METHOD OF CONTROLLING AN OPERATION OF A GROUND DRILLING DEVICE AND USE OF A GROUND DRILLING DEVICE
 (31) 10 2019 001 108.2 (32) 15.02.19 (33) DE

(71) TRACTO-TECHNIK GmbH & Co. KG
 (21) 2020201060 (22) 14.02.2020
 (54) GROUND DRILLING DEVICE AND METHOD FOR DRILLING IN SOIL
 (31) 10 2019 001 204.6 (32) 20.02.19 (33) DE

(71) TRACTO-TECHNIK GmbH & Co. KG
 (21) 2020201061 (22) 14.02.2020
 (54) GROUND DRILLING DEVICE, SYSTEM COMPRISING THE GROUND DRILLING DEVICE, METHOD FOR PRODUCING A GROUND DRILLING DEVICE, AND USE OF A GROUND DRILLING DEVICE
 (31) 10 2019 001 201.1 (32) 20.02.19 (33) DE

(71) TRACTO-TECHNIK GmbH & Co. KG
 (21) 2020201105 (22) 17.02.2020
 (54) GROUND DRILLING DEVICE AND USE OF A GROUND DRILLING DEVICE
 (31) 10 2019 001 200.3 (32) 20.02.19 (33) DE

(71) Treace Medical Concepts, Inc.
 (21) 2020200936 (22) 10.02.2020
 (54) Tarsal-metatarsal joint procedure utilizing compressor-distractor and instrument providing sliding surface
 (31) 62/805,208 (32) 13.02.19 (33) US

University of Massachusetts see Smith & Nephew, Inc.
 (21) 2020201058

(71) University of Miyazaki
 (21) 2020200934 (22) 10.02.2020
 (54) Long-acting adrenomedullin derivative
 (62) 2016324119

Vachon, D. see Iasis Molecular Sciences
 (21) 2020200963

(71) Valmont Industries, Inc.
 (21) 2020200991 (22) 12.02.2020
 (54) Improved tub girders and related manufacturing methods
 (31) 16/273,928 (32) 12.02.19 (33) US

(71) Visualase, Inc.
 (21) 2020200969 (22) 11.02.2020
 (54) Stereotactic access devices and methods
 (62) 2015209191

(71) W. L. Gore & Associates, Inc.
 (21) 2020201076 (22) 14.02.2020
 (54) Inflatable balloon and cover
 (62) 2017204432

WALLACE, J. see Contitech Transportband-systeme GmbH
 (21) 2020200943

Walters, D. see Iasis Molecular Sciences
 (21) 2020200963

(71) Waymo LLC
 (21) 2020200989 (22) 12.02.2020
 (54) Methods and systems for clearing sensor occlusions
 (62) 2016341202

(71) Waymo LLC
 (21) 2020201093 (22) 14.02.2020
 (54) Limitation of noise on light detectors using an aperture
 (62) 2017343976

(71) Werner Co.
 (21) 2020200957 (22) 11.02.2020
 (54) WORK PLATFORM AND METHOD
 (62) 2018201577

(71) WHALE LABS PTY LTD
 (21) 2020201013 (22) 13.02.2020
 (54) Mycorocket - Mycelium based Ceramic Mould Casting Material for Bio-rockets
 (31) 2019900522 (32) 18.02.19 (33) AU

(71) Whitehead Institute for Biomedical Research
 (21) 2020200962 (22) 11.02.2020
 (54) Protein modification of living cells using sortase
 (62) 2014262469

(71) Wright Medical Technology, Inc.
 (21) 2020200968 (22) 11.02.2020
 (54) Method and cut guide for biplanar wedge osteotomy
 (62) 2018204463

(71) X Development LLC
 (21) 2020201122 (22) 17.02.2020
 (54) Collaborative inventory monitoring
 (62) 2017301537

(71) Yuan Mei Corp.
 (21) 2020201065 (22) 14.02.2020
 (54) Structure of Rotor Nozzle and Watering Device

(71) Yuan Mei Corp.
 (21) 2020201066 (22) 14.02.2020
 (54) Rotor Nozzle Structure and Watering Device

(71) Yuan Mei Corp.
 (21) 2020201103 (22) 16.02.2020
 (54) Gardening fluid connection device
 (62) 2018201861

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2020200903	Akebia Therapeutics, Inc.	2020201015	Phytogen Seed Company, LLC
2020200934	University of Miyazaki	2020201016	Angel Playing Cards Co., Ltd.
2020200935	Proteus Digital Health, Inc	2020201017	Siluria Technologies, Inc.
2020200936	Treace Medical Concepts, Inc.	2020201018	Phytogen Seed Company, LLC
2020200937	Apple Inc.	2020201019	Apple Inc.
2020200938	LANDA CORPORATION LTD	2020201021	Phytogen Seed Company, LLC
2020200939	Dynamics Inc.	2020201022	TRACTO-TECHNIK GmbH & Co. KG
2020200940	Dynamics Inc.	2020201023	Apple Inc.
2020200941	Beiersdorf AG	2020201024	Phytogen Seed Company, LLC
2020200942	ALSTOM Transport Technologies	2020201025	Phytogen Seed Company, LLC
2020200943	Contitech Transportbandsysteme GmbH; WALLACE, J.; BASSON, J.	2020201026	Phytogen Seed Company, LLC
2020200956	FISHER & PAYKEL HEALTHCARE LIMITED	2020201027	Phytogen Seed Company, LLC
2020200957	Werner Co.	2020201028	E. I. du Pont de Nemours and Company
2020200958	FISHER & PAYKEL LIMITED	2020201029	Phytogen Seed Company, LLC
2020200959	OK Biotech Co. Ltd.	2020201030	Apple Inc.
2020200960	Joy Global Underground Mining LLC	2020201031	E. I. du Pont de Nemours and Company
2020200962	Whitehead Institute for Biomedical Research	2020201032	FISHER & PAYKEL HEALTHCARE LIMITED
2020200963	Iasis Molecular Sciences; Vachon, D.; Nordal, S.; Walters, D.	2020201033	Terumo Kabushiki Kaisha
2020200964	Roar Holding LLC	2020201034	Deere & Company
2020200965	TRACTO-TECHNIK GmbH & Co. KG	2020201035	Deere & Company
2020200966	Ortho-Nutra, LLC	2020201036	IPH International Pty Ltd
2020200967	SAS Institute Inc.	2020201037	Seoul National University Hospital; Research & Business Foundation Sungkyunkwan University; Korea Advanced Institute of Science and Technology
2020200968	Wright Medical Technology, Inc.	2020201038	REG Life Sciences, LLC
2020200969	Visualase, Inc.	2020201039	Grifols Worldwide Operations Limited
2020200970	ADIENNE Pharma & Biotech SA	2020201040	CareFusion 303, Inc.
2020200971	KONE CORPORATION	2020201041	DePuy Synthes Products, Inc.
2020200972	Capital Confirmation Inc	2020201042	Purdue Research Foundation
2020200974	Aristocrat Technologies Australia Pty Limited	2020201043	Church & Dwight Co., Inc.
2020200975	GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.	2020201044	MasterCard International Incorporated
2020200976	Bamboo Therapeutics, Inc.	2020201045	TRACTO-TECHNIK GmbH & Co. KG
2020200977	Merhis Pty Ltd	2020201046	Kelly Slater Wave Company, LLC
2020200978	RYAN FARM MACHINERY (AUST) PTY LTD	2020201047	3M Innovative Properties Company
2020200979	Bayer Pharma Aktiengesellschaft	2020201048	Memorial Sloan-Kettering Cancer Center
2020200980	Kiniksa Pharmaceuticals, Ltd.	2020201049	Stripe, Inc.
2020200981	CytomX Therapeutics, Inc.	2020201050	MAX CO., LTD.
2020200983	New York University	2020201051	Amgen Inc.
2020200984	SunPower Corporation	2020201052	ASSA ABLOY Australia Pty Limited
2020200985	Hella New Zealand Ltd	2020201053	The Boeing Company
2020200986	Poulton Technologies Limited	2020201054	Maytronics Ltd
2020200987	Geary, S.	2020201055	Magenta Medical Ltd.
2020200988	TRACTO-TECHNIK GmbH & Co. KG	2020201056	Google LLC
2020200989	Waymo LLC	2020201057	Novartis AG
2020200990	The Board of Regents of the University of Oklahoma; Agenus Inc.	2020201058	Smith & Nephew, Inc.; University of Massachusetts
2020200991	Valmont Industries, Inc.	2020201059	Hope Medical Enterprise, Inc. d.b.a. Hope Pharmaceuticals
2020200992	Start Smart Investments Pty Ltd	2020201060	TRACTO-TECHNIK GmbH & Co. KG
2020200993	Ineson, L.; Ineson, M.	2020201061	TRACTO-TECHNIK GmbH & Co. KG
2020200994	Epizyme, Inc.	2020201062	Nextremity Solutions, Inc.
2020200995	Gilead Science, Inc.	2020201063	Motz Enterprises, Inc
2020200996	Gilead Sciences, Inc.	2020201064	Dali Systems Co. Ltd.
2020200997	Interactive Intelligence Group, Inc.	2020201065	Yuan Mei Corp.
2020200998	ROSS, K.	2020201066	Yuan Mei Corp.
2020200999	Fisher & Paykel Healthcare Limited	2020201067	The Werc Shop, LLC
2020201000	Amphastar Pharmaceuticals, Inc	2020201068	BE Intellectual Property, Inc.
2020201001	GE Global Sourcing LLC	2020201069	BEIGENE, LTD.
2020201002	Novartis AG	2020201070	GENENTECH, INC.
2020201003	Fox Sports Productions, LLC	2020201071	Motz Enterprises, Inc.
2020201004	Hospira, Inc.	2020201072	ASSA ABLOY New Zealand Limited
2020201005	Itron Networked Solutions, Inc.	2020201073	Smith & Nephew, Inc.
2020201006	Qualcomm Incorporated	2020201074	NeRRe Therapeutics Limited
2020201007	Fisher & Paykel Healthcare Limited	2020201075	B&L Biotech, Inc.; Lee, I.
2020201008	TRACTO-TECHNIK GmbH & Co. KG	2020201076	W. L. Gore & Associates, Inc.
2020201009	Ishida Co., Ltd.	2020201077	Nobel Biocare Services AG
2020201010	Aristocrat Technologies Australia Pty Limited	2020201078	The Regents of the University of California
2020201011	INCYTE HOLDINGS CORPORATION	2020201079	Shire Human Genetic Therapies, Inc.
2020201012	Amgen Inc.	2020201080	Angel Playing Cards Co., Ltd.
2020201013	WHALE LABS PTY LTD	2020201081	THE CHINESE UNIVERSITY OF HONG KONG

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2020201082	Eagle Technology, LLC
2020201083	Ferrara, L.
2020201084	Inner Mongolia University of Technology
2020201085	Eagle Technology, LLC
2020201086	Deutsches Krebsforschungszentrum; Ruprecht-Karls-Universität Heidelberg
2020201088	Foster, D.
2020201089	Score (Europe) Limited
2020201090	FRESENIUS KABI DEUTSCHLAND GMBH
2020201091	Auspex Pharmaceuticals, Inc.
2020201092	Stryker European Holdings I, LLC
2020201093	Waymo LLC
2020201094	Deks Industries Pty Ltd
2020201095	EVERETT, T.
2020201096	Huawei Technologies Co., Ltd.
2020201097	STRYKER AUSTRALIA PTY LTD
2020201098	NanoEMI sp. z o.o.
2020201099	Applied Medical Resources Corporation
2020201100	Novalash Inc.
2020201101	PsiOxus Therapeutics Limited
2020201102	Earthway Products Inc
2020201103	Yuan Mei Corp.
2020201104	Jayaram, N.
2020201105	TRACTO-TECHNIK GmbH & Co. KG
2020201106	Gemalto SA
2020201107	Aqseptence Group, Inc.
2020201108	Foundation Medicine, Inc.
2020201109	Naurex, Inc.
2020201110	Iconic Fan Company Pty Ltd
2020201111	CEM Corporation
2020201112	Novartis AG
2020201113	Dermcare-Vet Pty Ltd
2020201114	INCYTE HOLDINGS CORPORATION
2020201115	Légrand Australia Pty Ltd
2020201116	Hako GmbH
2020201117	10X Genomics, Inc.
2020201118	Softbank Robotics Europe
2020201119	Polycorp Ltd.
2020201120	Sebela VLC Limited
2020201121	IsoLynx, LLC
2020201122	X Development LLC
2020201123	Band-Lok, LLC
2020201124	IGT
2020201125	Aristocrat Technologies Australia Pty Limited
2020201126	AddOn Optics Ltd.
2020201127	Aristocrat Technologies Australia Pty Limited
2020201128	Boston Scientific Scimed, Inc.
2020201129	Apple Inc.
2020201130	Ecolab USA, Inc.
2020201132	Eddington, G.
2020201133	Just Pure Holdings Pty Ltd
2020201134	Margin-Clear Pty Ltd
2020201135	Facebook, Inc.
2020201136	Mist Systems, Inc.
2020201137	The Boeing Company

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Applications listed below were processed through the Patent Office Canberra during the period ending 11 Feb 2020 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

<hr/> <p>(71) 4B's Coffee Co. (21) 2020100197 (22) 08.02.2020 (54) 4B's Green Bean Infuser</p> <hr/>	<p>(71) FUZHOU AUTRAN INDUSTRIAL CO.,LTD (21) 2020100219 (22) 14.02.2020 (54) ADJUSTABLE STANDOFF FOR HANGING PLATE-LIKE OBJECTS (31) 201920209641.6 (32) 18.02.19 (33) CN</p> <hr/>	<p>(54) The Conveyancing-Workflow Marketplace System ("CWMS") is an application which utilises computer-implemented technology configured in such manner as to enable conveyancers and legal practitioners to self-assign various components of a conveyancing matter spanning the lifecycle of a transaction, from commencement through to completion.</p> <hr/>
<p>(71) Apple Inc. (21) 2020100216 (22) 14.02.2020 (54) Inductive interconnection systems (62) 2019100513</p> <hr/>	<p>Guan, J. see Yang, Y. (21) 2020100196</p> <hr/>	<hr/>
<p>(71) Apple Inc. (21) 2020100218 (22) 14.02.2020 (54) Process for updating templates used in facial recognition (62) PCT/US2018/015511</p> <hr/>	<p>(71) Guard it Solutions Pty Ltd (21) 2020100212 (22) 13.02.2020 (54) Cleaning compositions and the use thereof (31) 2019900496 (32) 15.02.19 (33) AU</p> <hr/>	<p>(71) Merits Health Products Co., Ltd. (21) 2020100209 (22) 13.02.2020 (54) Chairback Support Structure (31) 109200584 (32) 15.01.20 (33) TW</p> <hr/>
<p>(71) Apple Inc. (21) 2020100221 (22) 14.02.2020 (54) Housing and antenna architecture for mobile device (62) 2019100180</p> <hr/>	<p>(71) Heilongjiang University (21) 2020100210 (22) 13.02.2020 (54) Slide Preparing Method Applied for Chromosome Identification of Distant Hybrid Beet</p> <hr/>	<p>(71) Neupane, S. (21) 2020100208 (22) 12.02.2020 (54) An application for regular people to buy or sell homemade food locally using the in-app maps and navigation. The users/sellers in application put food they prepare for sale, add their own price, description and picture to the application. Likewise, the buyers browse the surrounding area through the in-application navigation to purchase the closest dish of their liking.</p> <hr/>
<p>Benson, L. see Benson, D. (21) 2020100201</p> <hr/>	<p>(71) Hicor Technologies, Inc. (21) 2020100220 (22) 14.02.2020 (54) Compressor (62) 2016242821</p> <hr/>	<p>PROLOGIUM HOLDING INC. see PROLOGIUM TECHNOLOGY CO., LTD. (21) 2020100217</p> <hr/>
<p>(71) Benson, D.; Benson, L. (21) 2020100201 (22) 10.02.2020 (54) Digitised, integrated three lines of defence tool with built in automated key control testing.</p> <hr/>	<p>Huang, S. see Yang, Y. (21) 2020100196</p> <hr/>	<hr/>
<p>(71) BISSELL Inc. (21) 2020100206 (22) 12.02.2020 (54) Floor cleaning apparatus with cleaning fluid delivery system (31) 62/804,342 (32) 12.02.19 (33) US</p> <hr/>	<p>Huang, S. see Yang, Y. (21) 2020100199</p> <hr/>	<p>(71) PROLOGIUM TECHNOLOGY CO., LTD.; PROLOGIUM HOLDING INC. (21) 2020100217 (22) 14.02.2020 (54) BATTERY STRUCTURE (62) 2018272338</p> <hr/>
<p>(71) Bonnici, J. (21) 2020100198 (22) 08.02.2020 (54) VOICE ACTIVATED CARE DOCUMENTATION SYSTEM</p> <hr/>	<p>Huang, S. see Yang, Y. (21) 2020100200</p> <hr/>	<hr/>
<p>Cao, S. see Yang, Y. (21) 2020100199</p> <hr/>	<p>(71) IB Operations Pty Ltd (21) 2020100194 (22) 07.02.2020 (54) Method and apparatus for processing magnetite (62) 2019312558</p> <hr/>	<p>(71) Q-YIELD OUTDOOR GEAR LTD. (21) 2020100215 (22) 14.02.2020 (54) SIDE SUPPORTING TYPE VEHICLE ROOF TENT (62) 2018425677</p> <hr/>
<p>(71) Dream Lot Pty Ltd (21) 2020100213 (22) 13.02.2020 (54) Property Management System (62) 2019101058</p> <hr/>	<p>(71) Johnstone, M. (21) 2020100203 (22) 11.02.2020 (54) A device used to create virtual/hologram images that can be used as an alternative to current outdoor and road signs to save on operational cost and minimise the use of raw materials. (31) 2019902029 (32) 11.06.19 (33) AU</p> <hr/>	<p>(71) Remix Edition(Guangzhou) Commercial Equipment Co. Ltd. (21) 2020100205 (22) 11.02.2020 (54) A FOLDABLE BUFFET STATION (31) 201921572206.6 (32) 20.09.19 (33) CN (62) PCT/CN2019/000230</p> <hr/>
<hr/>	<p>(71) Ljubanovic, F. (21) 2020100214 (22) 14.02.2020</p> <hr/>	<p>(71) Research Institute of Resource Insects, Chinese Academy of Forestry (21) 2020100222 (22) 14.02.2020</p> <hr/>

Innovation Patent Applications Filed - Name Index cont'd

(54) METHOD OF INTRODUCING DOUBLE-STRANDED DNA INTO THE BODY OF KERRIA CHINENSIS

(31) 201910181801.5 (32) 11.03.19 (33) CN

(71) Rizkalla, G.

(21) 2020100202 (22) 11.02.2020

(54) diclofenac sodium or diclofenac (as any other salt) to be made in a form of spray or / and lozenges for treatment of sore throat , or as skin patch

(71) Sino Rubber Tech Co.,Ltd.

(21) 2020100207 (22) 12.02.2020

(54) PRE-PILED PACKER

(71) Southwest University

(21) 2020100180 (22) 05.02.2020

(54) Effective Doubly-Accelerated Distributed Asynchronous Strategy for General Convex Optimization Problem

(71) Stewart, J.

(21) 2020100195 (22) 07.02.2020

(54) AN IMPROVED COMBUSTION SYSTEM

(62) 2018253598

(71) Techtronic Cordless GP

(21) 2020100204 (22) 11.02.2020

(54) Mower blade and attachment system

(31) 62/804,013 (32) 11.02.19 (33) US

(71) Techtronic Outdoor Products Technology Limited

(21) 2020100211 (22) 13.02.2020

(54) Power tool for cutting or trimming

(62) 2016387396

Wu, Z. see Yang, Y.

(21) 2020100200

(71) Yang, Y.; Guan, J.; Huang, S.

(21) 2020100196 (22) 08.02.2020

(54) A method of removing rain from single image based on detail supplement

(71) Yang, Y.; Cao, S.; Huang, S.

(21) 2020100199 (22) 08.02.2020

(54) A medical image fusion method based on two-layer decomposition and improved spatial frequency

(71) Yang, Y.; Wu, Z.; Huang, S.

(21) 2020100200 (22) 08.02.2020

(54) Content-guide Residual Network for Image Super-Resolution

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2020100180	Southwest University	2020100209	Merits Health Products Co., Ltd.
2020100194	IB Operations Pty Ltd	2020100210	Heilongjiang University
2020100195	Stewart, J.	2020100211	Techtronic Outdoor Products Technology Limited
2020100196	Yang, Y.; Guan, J.; Huang, S.	2020100212	Guard it Solutions Pty Ltd
2020100197	4B's Coffee Co.	2020100213	Dream Lot Pty Ltd
2020100198	Bonnici, J.	2020100214	Ljubanovic, F.
2020100199	Yang, Y.; Cao, S.; Huang, S.	2020100215	Q-YIELD OUTDOOR GEAR LTD.
2020100200	Yang, Y.; Wu, Z.; Huang, S.	2020100216	Apple Inc.
2020100201	Benson, D.; Benson, L.	2020100217	PROLOGIUM TECHNOLOGY CO., LTD.; PROLOGIUM HOLDING INC.
2020100202	Rizkalla, G.	2020100218	Apple Inc.
2020100203	Johnstone, M.	2020100219	FUZHOU AUTRAN INDUSTRIAL CO.,LTD
2020100204	Techtronic Cordless GP	2020100220	Hicor Technologies, Inc.
2020100205	Remix Edition(Guangzhou) Commercial Equipment Co. Ltd.	2020100221	Apple Inc.
2020100206	BISSELL Inc.	2020100222	Research Institute of Resource Insects, Chinese Academy of Forestry
2020100207	Sino Rubber Tech Co.,Ltd.		
2020100208	Neupane, S.		

Applications with amended filing dates Reg 3.5(A).

2019275652 **S VASSALLO & X.L WANG** The filing date has been amended to 20.01.2020

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

2000

- 2000014958 (14) 2000014965 (14) 2000014967 (14)
- 2000014974 (14) 2000014995 (14) 2000015282 (14)
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- 2000034864 (14) 2000034877 (14) 2000035926 (14)
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2004

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- 2006203146 (14) 2006203419 (14)

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- 2007214305 (14)

2012

- 2012100116 (22) 2012100119 (22) 2012100128 (22)
- 2012100134 (22) 2012100136 (22) 2012101935 (22)
- 2012101936 (22) 2012101937 (22)

2014

- 2014202696 (5C) 2014203050 (5C) 2014215764 (5C)
- 2014229111 (5C) 2014235296 (5C) 2014236617 (5C)
- 2014244851 (5C) 2014246631 (5C) 2014252710 (5C)
- 2014259708 (5C) 2014265313 (5C) 2014268840 (5C)
- 2014275251 (5C) 2014292943 (5C) 2014293011 (5C)
- 2014296532 (25D) 2014306222 (5C) 2014312421 (5C)
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2015

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- 2015339952 (5C) 2015340006 (5C) 2015384259 (1B)

2016

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- 2016222569 (1B) 2016223151 (1B) 2016226088 (12C)
- 2016229408 (1B) 2016232436 (1B) 2016246731 (5C)
- 2016269643 (25D) 2016288644 (5C) 2016297178 (1B)
- 2016298606 (1B) 2016299550 (5C) 2016304893 (1B)
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- 2016375819 (1B) 2016378202 (1B) 2016378993 (1B)
- 2016379400 (1B) 2016384928 (5C) 2016387934 (5C)

2017

- 2017221854 (5C) 2017232114 (5C) 2017237394 (5C)
- 2017243204 (5C) 2017243205 (5C) 2017248436 (5C)
- 2017248499 (5C) 2017251721 (5C) 2017265160 (5C)
- 2017268341 (5C) 2017268497 (5C) 2017268568 (5C)
- 2017269673 (5C) 2017272252 (5C) 2017276282 (5C)
- 2017278161 (5C) 2017279740 (5C) 2017279824 (5C)
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- 2017341157 (5C)

2018

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- 2018200134 (5C) 2018200388 (5C) 2018200431 (5C)
- 2018200709 (25D) 2018201083 (5C) 2018201139 (5C)
- 2018201218 (5C) 2018201418 (5C) 2018201533 (5C)
- 2018201722 (5C) 2018201842 (5C) 2018201857 (5C)
- 2018201988 (5C) 2018202157 (5C) 2018202880 (5C)
- 2018203042 (5C) 2018203661 (5C) 2018203957 (5C)
- 2018204524 (5C) 2018204535 (5C) 2018206696 (5C)
- 2018218181 (25D) 2018222886 (5C) 2018229464 (5C)
- 2018229536 (5C) 2018250485 (5C)

2019

- 2019101472 (18AN) 2019203151 (1B) 2019246823 (12CN)

2019268118 (1B) 2019268135 (1B) 2019268149 (1B)
 2019268192 (1B) 2019271504 (1B) 2019271923 (1B)
 2019279931 (12AN)

2020

2020100190 (12AN)

Assignments before Grant, Section 113

2014

2014214763 Mueller, Steffen; Wimmer, Eckard; The United States of America, as represented by The Secretary, Department of Health and Human Services The application has been assigned to **The United States of America, as represented by The Secretary, Department of Health and Human Services; The Research Foundation for the State University of New York**

2015

2015218445 PromisePay Pte Ltd The application has been assigned to **Assembly Payments Platform Pty Ltd**

2015229626 Nitric Solutions, Inc. The application has been assigned to **SaNOtize Research and Development Corp.**

2015274532 Aclaris Therapeutics, Inc. The application has been assigned to **EPI Health, LLC**

2015283821 Brauer International Pty Ltd The application has been assigned to **Ozone 1 Pty Ltd**

2015402778 Taipei Medical University The application has been assigned to **Bridgent Biotechnology Inc.**

2016

2016237155 National University Corporation Tokyo University of Marine Science and Technology The application has been assigned to **Nippon Suisan Kaisha, Ltd.; National University Corporation Tokyo University of Marine Science and Technology**

2016287489 JDS Therapeutics, LLC The application has been assigned to **NUTRITION 21, LLC**

2016298962 Taipei Medical University The application has been assigned to **Bridgent Biotechnology Inc.**

2016356755 AO Technology AG The application has been assigned to **Synthes GmbH**

2016367144 Wratten Jr., James; Roein Peikar, Seyed The application has been assigned to **Mechanodontics, Inc.**

2016412473 Siemens Industry, Inc. The application has been assigned to **Siemens Mobility Inc.**

2016412621 Siemens Industry, Inc. The application has been assigned to **Siemens Mobility Inc.**

2016412623 Siemens Industry, Inc. The application has been assigned to **Siemens Mobility Inc.**

2016432358 Patriot Campers Pty Ltd The application has been assigned to **Patriot Campers Holdings Pty Ltd**

Assignments before Grant, Section 113

2017

2017213852 CinRx Pharma, LLC The application has been assigned to **CinDome Pharma, Inc.**

2017215340 Boehringer Ingelheim Animal Health USA Inc. The application has been assigned to **NOR-FEED**

2017252566 Remote Media, LLC The application has been assigned to **Vertigo Media, Inc.**

2017254984 Patriot Campers Pty Ltd The application has been assigned to **Patriot Campers Holdings Pty Ltd**

2017265078 Darcy Technologies Limited The application has been assigned to **Halliburton Manufacturing and Services Limited**

2017310423 Celgene Corporation The application has been assigned to **Celgene Quantical Research, Inc.**

2017353909 FG Innovation Company Limited; Sharp Kabushiki Kaisha The application has been assigned to **Sharp Kabushiki Kaisha**

2017381399 Patriot Campers Pty Ltd The application has been assigned to **Patriot Campers Holdings Pty Ltd**

2017382294 Mavupharma, Inc. The application has been assigned to **AbbVie Inc.**

2017382297 Mavupharma, Inc. The application has been assigned to **AbbVie Inc.**

2018

2018200034 ADC Telecommunications, Inc. The application has been assigned to **CommScope Technologies LLC**

2018229508 Aclaris Therapeutics, Inc. The application has been assigned to **EPI Health, LLC**

2018256742 Innovations4Flooring Holding N.V. The application has been assigned to **I4F Licensing NV**

2018272933 Tower IPCO Company Limited; Innovations 4 Flooring Holding N.V. The application has been assigned to **I4F Licensing NV; Tower IPCO Company Limited**

2018276061 Flujo Sanguineo Holdings Pty Ltd The application has been assigned to **The Princeton Group Inc - C40917**

2018301342 Micron Devices LLC The application has been assigned to **Stimwave Technologies Incorporated**

2018321357 Berg, Benjamin; Ramanathan, Narayanan; Madden, Donald; Silverman, Christopher; Alarm.com Incorporated; Beach, Allison; Hutz, David The application has been assigned to **Alarm.com Incorporated**

2019

2019203993 Aclaris Therapeutics, Inc. The application has been assigned to **EPI Health, LLC**

Assignments before Grant, Section 113

2019229416 Noramco, Inc. The application has been assigned to **Purisys LLC**

2019229430 Remote Media, LLC The application has been assigned to **Vertigo Media, Inc.**

2019229444 Elixirgen, LLC The application has been assigned to **Elixirgen Therapeutics, Inc.**

2019901925 Patriot Campers Pty Ltd The application has been assigned to **Patriot Campers Holdings Pty Ltd**

2019901959 Patriot Campers Pty Ltd The application has been assigned to **Patriot Campers Holdings Pty Ltd**

2019902640 Patriot Campers Pty Ltd The application has been assigned to **Patriot Campers Holdings Pty Ltd**

2019903814 Patriot Campers Pty Ltd The application has been assigned to **Patriot Campers Holdings Pty Ltd**

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.

2010

2010222289 **Advinus Therapeutics Private Limited** An application to extend the time from 12 Mar 2018 to 12 Dec 2019 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016

2016203082 **Airformer Pty Ltd** An application to extend the time from 27 Oct 2019 to 27 Feb 2020 in which to request Examination has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017

2017218018 **Holland, L.p.; Titanova, Inc.** An application to extend the time from 12 Sep 2018 to 12 Sep 2019 in which to enter the National Phase has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 Collins Street West VIC 8007 AU

Applications Allowed - Section 223(2)

2015

2015355076 **Facebook, Inc.** The time in which to pay the acceptance fee has been extended to 03 Feb 2020 . Address for service - WRAYS PTY LTD Level 7 863 Hay Street Perth WA 6000 AU

2015397335 **Hive Technology** The time in which to request examination has been extended to 09 Feb 2020 . Address for service - Acacia Law PO BOX 1279 Milton QLD 4064 AU

2017

2017266577 **Power Me Tech Ltd.** The time in which to enter the National Phase has been extended to 19 Sep 2019 . Address for service - Spruson & Ferguson

Extensions of Time, Section 223

guson Level 24, Tower 2 Darling Park, 201 Sussex Street Sydney NSW 2000 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.

2001

2001073400 Joint assembly to resist galling **Caterpillar Inc.** The nature of the amendment is as shown in the statement(s) filed 21 Nov 2019 . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

2012

2012259162 Deimmunized serum-binding domains and their use for extending serum half-life **MacroGenics, Inc.** The nature of the amendment is as shown in the statement(s) filed 14 Jan 2020 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2014

2014300703 Improved inventory sourcing system **Euroclear SA/NV ; Distefano , L.** The nature of the amendment is as shown in the statement(s) filed 30 Jan 2020 . Address for service - Chrysiliou IP Level 2 15 Rodborough Road Frenchs Forest NSW 2086 AU

2015

2015320545 Peptidomimetic macrocycles and formulations thereof **Aileron Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 03 Feb 2020 . Address for service - Pizzeyes Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2016

2016207758 Agricultural composition **AgResearch Limited** The nature of the amendment is as shown in the statement(s) filed 04 Feb 2020 . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

2018

2018203254 Nucleic acid comprising or coding for a histone stem-loop and a poly(A) sequence or a polyadenylation signal for increasing the expression of an encoded tumour antigen **CureVac AG** The nature of the amendment is as shown in the statement(s) filed 06 Feb 2020 . Address for service - Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

2018247307 Process for leaching metal sulfides with reagents having thiocarbonyl functional groups **The University of British Columbia** The nature of the amendment is as shown in the statement(s) filed 07 Feb 2020 .

Amendments

Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2019

2019101097 A cleaning nozzle for upholstery for use with a surface cleaning apparatus **TTI (Macao Commercial Offshore) Limited** The nature of the amendment is: Amend the divisional priority details to read PCT/GB2018/050363 . Address for service - Spruson & Ferguson Level 24, Tower 2 Darling Park, 201 Sussex Street Sydney NSW 2000 AU

2019101174 Systems and methods for estimating embryo viability **Vitrolife A/S** The nature of the amendment is: Amend divisional priority details to read PCT/AU2018/051335 . Address for service - Spruson & Ferguson Level 24, Tower 2 Darling Park, 201 Sussex Street Sydney NSW 2000 AU

2019213320 SYSTEMS AND METHODS FOR EX-VIVO ORGAN CARE USING LACTATE AS AN INDICATOR **TransMedics, Inc.** The nature of the amendment is as shown in the statement(s) filed 04 Feb 2020 . Address for service - Maxwells Patent & Trade Mark Attorneys Pty Ltd PO Box R1466 Royal Exchange SYDNEY NSW 1225 AU

2020

2020100138 System and Method for Identifying, Analysing and Managing Risk for Products in the supply network **Khoury-Fakhri, S.** The nature of the amendment is as shown in the statement(s) filed 12 Feb 2020 . Address for service - Alder IP Pty Ltd Suite 202 24 Thomas Street CHATSWOOD NSW 2067 AU

Amendments Made

2010

2010267775 **Otsuka Pharmaceutical Co. Limited; GW Pharma Limited** The nature of the amendment is as shown in the statement filed 03 Jul 2019

2012

2012204800 **GW Pharma Limited; Otsuka Pharmaceutical Co. Limited** The nature of the amendment is as shown in the statement filed 03 Jul 2019

2014

2014200269 **THE WATT STOPPER, INC.** The nature of the amendment is as shown in the statement filed 25 Oct 2019

2015

2015255670 **Hypertherm, Inc.** The nature of the amendment is: Amend the name of the inventor to read Sanders, Nicholas A. and Shipulski, E.Michael

2016

2016218641 **Biotech Pharmaceutical Co. Ltd; Centro de Inmunología Molecular** The nature of the amendment is as shown in the statement filed 18 Oct 2019

2016344799 **Vale S.A.** The nature of the amendment is: Amend the name of the inventor to read De Souza, Pinto Thiago Cesar; De Alcântara, Costa Márcio; Laurindo De Salles, Leal Filho and da Fonseca Silva e Silva, Danilo

2016359154 **Sana Health, Inc.** The nature of the amendment is as shown in the statement filed 30 Jan 2020

Amendments

2016387660 **GRST International Limited** The nature of the amendment is as shown in the statement filed 30 Oct 2019

2017

2017221822 **BE Intellectual Property, Inc.** The nature of the amendment is: Amend the name of the inventor to read Cook, Donald F.; Harrington, Liberty D.; Steiner, Philipp and Brauer, Robert K.

2017229204 **Crowe LLP** The nature of the amendment is: Amend the name of the inventor to read Jarrett, Kevin; Boggs, Eric; Herendeen, Cory and Bass, Justin

2017270403 **Canon Kabushiki Kaisha** The nature of the amendment is as shown in the statement filed 28 Oct 2019

2017369030 **TTI (Macao Commercial Offshore) Limited** The nature of the amendment is as shown in the statement(s) filed 17 Jan 2020

2017420677 **Meikle, J.** The nature of the amendment is as shown in the statement filed 22 Jan 2020

2017423466 **N.V. Nutricia** The nature of the amendment is as shown in the statement(s) filed 12 Feb 2020

2017425530 **Dalian University of Technology** The nature of the amendment is: Amend the name of the inventor to read Liu, Jun; Han, Congcong and Zhang, Yuqin

2018

2018201322 **TTI (MACAO COMMERCIAL OFFSHORE) LIMITED** The nature of the amendment is: Application is to proceed under the number 2018102161

2018202573 **Medtronic Minimed, Inc.** The nature of the amendment is as shown in the statement filed 21 Nov 2019

2018258061 **National Jewish Health; The Regents of the University of Colorado, a body corporate** The nature of the amendment is: The applicant name amended to read The Regents of the University of Colorado; and National Jewish Health

2018272040 **Esperion Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read Abdelnasser, Mohamed; Pilgaonkar, Pratibha S. and Gandhi, Anilkumar

2018284829 **Sharp Kabushiki Kaisha** The nature of the amendment is: Amend the invention title to read Base station apparatus, terminal apparatus, and communication method for the same

2018290298 **Nosocomial Vaccine Corporation; University of Maryland, Baltimore; Affinivax, Inc.** The nature of the amendment is as shown in the statement filed 10 Feb 2020

2018291021 **Bristol-Myers Squibb Company** The nature of the amendment is: Amend the name of the inventor to read DELMONTE, Albert J.; COHEN, Benjamin M.; FRAUNHOFFER, Kenneth Joseph; KOLOTUCHIN, Sergei; GONZALEZ-BOBES, Francisco; BEUTNER, Gregory Louis; FREITAG, Adam Joseph; BULTMAN, Michael Scott; FAN, Yu; MAITY, Prantik; YOUNG, Ian Scott; BECK, Hilary Plake; OSIPOV, Maksim; POWERS, Jay

Amendments

Patrick; REILLY, Maureen Kay; SHUNATONA, Hunter Paul; WALKER, James Ross and ZIBINSKY, Mikhail

2018302481 **Netafim Ltd** The nature of the amendment is as shown in the statement(s) filed 30 Jan 2020

2018306315 **Solstice Equity Partners, Inc.** The nature of the amendment is: the applicant name has been amended to read Solstice Equity Partners, Inc.

2018308331 **Nbiotech Co., Ltd.** The nature of the amendment is: Amend the invention title to read NUCLEIC ACID COMPLEX PAIR, COMPETITIVE CONSTRUCT, AND PCR KIT USING THE SAME

2018309700 **The Feinstein Institutes For Medical Research** The nature of the amendment is: Amend the name of the inventor to read BOUTON, Chad E.; ZANOS, Theodoros P.; DATTA CHAUDHURI, Timir B.; MARTIN, Andrew; MONTALBANO, Christopher; MONTALBANO, Gregory and BEAMER, Phillip

2018312303 **Kuraray Noritake Dental Inc.** The nature of the amendment is: Amend the invention title to read Liquid Pouring Member and Container

2018314150 **Panther Orthopedics, Inc.** The nature of the amendment is: Amend the invention title to read Active bone and joint stabilization device features

2018317127 **CJ Cheiljedang Corporation** The nature of the amendment is: Amend the invention title to read Microorganism For Producing A Mycosporine-Like Amino Acid And Method For Producing A Mycosporine-Like Amino Acid Using The Same

2018320433 **Nippon Telegraph and Telephone Corporation** The nature of the amendment is: Amend the invention title to read Share generating device, share converting device, secure computation system, share generation method, share conversion method, program, and recording medium

2018320435 **Nippon Telegraph and Telephone Corporation** The nature of the amendment is: Amend the invention title to read Agreement system, agreement apparatus, program, and recording medium

2018321008 **Nippon Telegraph and Telephone Corporation** The nature of the amendment is: Amend the invention title to read Share generating device, reconstructing device, secure computation system, share generation method, reconstruction method, program, and recording medium

2018324771 **Fuji Oil Holdings Inc.** The nature of the amendment is: Amend the invention title to read OIL AND FAT COMPOSITION CONTAINING UNSATURATED FATTY ACID

2018333530 **BioNTech Cell & Gene Therapies GmbH; TRON - Translazionale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH** The nature of the amendment is: Amend the name of the inventor to read OEHM, Petra; PERKOVIC, Mario; SAHIN, Ugur and BEISSERT, Tim

2018384990 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Control system for work machine, method, and work machine

Amendments

2018409723 **Mitsubishi Heavy Industries, Ltd.** The nature of the amendment is: Amend the invention title to read Rectification Structure Body and Flying Vehicle

2018416541 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Control system and method for work machine, and work machine

2019

2019202153 **TTI (MACAO COMMERCIAL OFFSHORE) LIMITED** The nature of the amendment is as shown in the statement(s) filed 13 Feb 2020

2019210575 **Fisher & Paykel Healthcare Limited** The nature of the amendment is: Amend the name of the inventor to read Millar, Gavin Walsh; Norton, Myfanwy Jane Antica; McDermott, Gareth Thomas; Evans, Stephen David; McCauley, David Leon; McKenna, Nicholas James Michael; Osborne, Hamish Adrian; Stanton, James William; Maeckelberghe, Thomas Jacques Fernand and Holyoake, Bruce Gordon

2019213867 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Control system for work vehicle, method, and work vehicle

2019222009 **The University of Tokyo; Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Display system for work vehicle and generation method

2019244617 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Control system for work vehicle, method and work vehicle

2019246096 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read Control system for work vehicle, method, and work vehicle

Alteration of Name(s) of Applicant(s)/Patentee(s)**2004**

2004286660 **Archivas, Inc.** The name of the patentee has been altered to **Hitachi Vantara, LLC**

2004300444 **Philips Lighting North America Corporation** The name of the patentee has been altered to **Signify North America Corporation**

2005

2005222987 **Philips Lighting North America Corporation** The name of the patentee has been altered to **Signify North America Corporation**

2006

2006249979 **Philips Lighting North America Corporation** The name of the patentee has been altered to **Signify North America Corporation**

2009

2009318036 **Chelvalier Holdings LLC** The name of the patentee has been altered to **Chevalier Holdings LLC**

Amendments

2010

2010217963 FreeHold Surgical, Inc. The name of the patentee has been altered to **FreeHold Surgical, LLC**

2010227230 Glenmark Pharmaceuticals, S.A. The name of the patentee has been altered to **Ichnos Sciences SA**

2011

2011265370 Hitachi Data Systems Corporation The name of the patentee has been altered to **Hitachi Vantara, LLC**

2011375467 FreeHold Surgical, Inc. The name of the patentee has been altered to **FreeHold Surgical, LLC**

2013

2013280369 FreeHold Surgical, Inc. The name of the patentee has been altered to **FreeHold Surgical, LLC**

2013308376 Netcomm Wireless Limited The name of the patentee has been altered to **NetComm Wireless Pty Ltd**

2014

2014218391 All-Tek Maintenance Ltd. The name of the patentee has been altered to **ALL-TEK INDUSTRIAL INC.**

2014258487 Nippon Steel & Sumikin Coated Sheet Corporation; Nihon Parkerizing Co., Ltd. The name of the patentee has been altered to **Nippon Steel Coated Sheet Corporation; Nihon Parkerizing Co., Ltd.**

2014266812 Raja Babu Balusu; Kiran Mitchanagatla ; Rama krishna Pilli ; Siva Ram Prasad Vellanki; Mylan Laboratories Ltd The name of the applicant has been altered to **Mylan Laboratories Ltd**

2014282762 Glenmark Pharmaceuticals S.A. The name of the patentee has been altered to **Ichnos Sciences SA**

2014293102 Ansaldo STS USA, Inc. The name of the applicant has been altered to **HITACHI RAIL STS USA, INC.**

2014300980 Ethris GmbH The name of the applicant has been altered to **ethris GmbH**

2015

2015223563 Innovations 4 Flooring Holding N.V. The name of the patentee has been altered to **Innovations4Flooring Holding N.V.**

2015266664 Henlius Biotech Co., Ltd. The name of the applicant has been altered to **HENLIX BIOTECH CO., LTD.**

2015275128 Kyowa Hakko Kirin Co., Ltd. The name of the applicant has been altered to **Ultragenyx Pharmaceutical Inc.; Kyowa Kirin Co., Ltd.**

2015303890 Gyrus Acmi, Inc. d.b.a. Olympus Surgical Technologies America The name of the applicant has been altered to **Gyrus ACMI, Inc., d.b.a. Olympus Surgical Technologies America**

2015334586 M. G. Therapeutics Ltd. The name of the applicant has been altered to **Azura Ophthalmics Ltd**

Amendments

2016

2016218074 UCB Biopharma SPRL The name of the applicant has been altered to **UCB Biopharma SRL**

2016235493 Meltz, LLC The name of the applicant has been altered to **Cometeer, Inc.**

2016250791 BD Kiestra B.V.; Timothy M. Wiles The name of the applicant has been altered to **BD Kiestra B.V.**

2016300166 Gas Measurement Instruments Limited The name of the patentee has been altered to **Teledyne Gas Measurement Instruments Limited**

2017

2017203467 FreeHold Surgical, Inc. The name of the applicant has been altered to **FreeHold Surgical, LLC**

2017250188 Meltz, LLC The name of the applicant has been altered to **Cometeer, Inc.**

2017315966 Meltz, LLC The name of the applicant has been altered to **Cometeer, Inc.**

2017320870 Consolidated Container Company LP; Milacron LLC The name of the applicant has been altered to **ALTIVM PACKAGING LP; Milacron LLC**

2017412462 HANGZHOU AGS MedTech CO., LTD. The name of the applicant has been altered to **HANGZHOU AGS MEDTECH CO., LTD.**

2018

2018204021 Aristocrat Technologies Australia Pty Limited The name of the applicant has been altered to **Video Gaming Technologies, Inc.**

2018204022 Aristocrat Technologies Australia Pty Limited The name of the applicant has been altered to **Video Gaming Technologies, Inc.**

2018234841 Consolidated Container Company LP The name of the applicant has been altered to **ALTIVM PACKAGING LP**

2018279023 Consolidated Container Company LP; Milacron LLC The name of the applicant has been altered to **Milacron LLC; ALTIVM PACKAGING LP**

2018284492 Beijing DIDI Infinity Technology and Development Co., Ltd. The name of the applicant has been altered to **BELJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.**

2018309700 The Feinstein Institute for Medical Research The name of the applicant has been altered to **The Feinstein Institutes For Medical Research**

2018377057 Netcomm Wireless Limited The name of the applicant has been altered to **NetComm Wireless Pty Ltd**

2019

2019900435 THE UNIVERSITY OF MELBOURNE The name of the applicant has been altered to **National Vision Research Institute of Australia; THE UNIVERSITY OF MELBOURNE**

Amendments

2020

2020900195 The Bionics Institute of Australia The name of the applicant has been altered to **Deep Brain Stimulation Technologies Pty Ltd**

Notice of Intention to Amend under Section 105 pursuant to the Federal Court Rules

Australian Patent/Patent Application 2017100560 in the name(s) of Repipe Pty Ltd

Australian Patent/Patent Application 2017100943 in the name(s) of Repipe Pty Ltd

Applications Open to Public Inspection

Name Index

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

(71) Accenture Global Solutions Limited
 (11) AU-A-2019210614
 (21) 2019210614 (22) 01.08.2019
 (54) APPROACHES FOR KNOWLEDGE GRAPH PRUNING BASED ON SAMPLING AND INFORMATION GAIN THEORY
 (51) Int. Cl.
G06F 16/24 (2019.01)
 (31) 62/715,598 (32) 07.08.18 (33) US
 16/520,611 24.07.19 US
 (43) 27.02.2020
 (72) TUNG, Teresa Sheausan; PURI, Colin Anil; WANG, Zhijie
 (74) Murray Trento & Associates Pty Ltd

(71) ACETYLON PHARMACEUTICALS, INC.
 (11) AU-A-2020200846
 (21) 2020200846 (22) 06.02.2020
 (54) PIPERIDINE DERIVATIVES AS HDAC1/2 INHIBITORS
 (51) Int. Cl.
C07D 401/14 (2006.01)
A61K 31/44 (2006.01)
A61K 31/4402 (2006.01)
A61K 31/4406 (2006.01)
A61K 31/4468 (2006.01)
A61K 31/5377 (2006.01)
A61P 35/00 (2006.01)
C07D 409/14 (2006.01)
C07D 413/14 (2006.01)
C07D 471/10 (2006.01)
 (43) 27.02.2020
 (62) 2015360270
 (72) VAN DUZER, John H.; MAZITSCHKEK, Ralph
 (74) FB Rice Pty Ltd

(71) Adobe Inc.
 (11) AU-A-2019204032
 (21) 2019204032 (22) 07.06.2019
 (54) ANIMATION PRODUCTION SYSTEM
 (51) Int. Cl.
G06T 13/00 (2011.01)
 (31) 16/057,668 (32) 07.08.18 (33) US
 (43) 27.02.2020
 (72) Subramonyam, Hariharan; Adar, Eytan; Dontcheva, Lubomira; Li, Wilmot Wei-Mau
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

Adverum Biotechnologies, Inc. see University of Washington
 (21) 2020200948

Agenus Inc. see The Board of Regents of the University of Oklahoma
 (21) 2020200990

(71) Akebia Therapeutics, Inc.
 (11) AU-A-2020200903
 (21) 2020200903 (22) 07.02.2020
 (54) Compositions and methods for treating anemia
 (51) Int. Cl.
A61K 31/4412 (2006.01)
A01N 43/40 (2006.01)
A61K 31/345 (2006.01)
A61K 31/4439 (2006.01)
 (43) 27.02.2020
 (62) 2014278543
 (72) JANUSZ, John; SHALWITZ, Isaiah; SHALWITZ, Robert; GARDNER, Joseph; BUCH, Akshay; HARTMAN, Charlotte
 (74) FB Rice Pty Ltd

(71) ALSTOM Transport Technologies
 (11) AU-A-2019210672
 (21) 2019210672 (22) 02.08.2019
 (54) Method for regulating people flow entering and exiting an enclosure, associated signaling system and car of rail vehicle equipped with such a system
 (51) Int. Cl.
G08G 1/005 (2006.01)
B61B 1/02 (2006.01)
G07C 9/00 (2006.01)
 (31) FR 18 57381 (32) 08.08.18 (33) FR
 (43) 27.02.2020
 (72) Terrier, Jean-Luc; De Colombel, Bertrand; Vidal, Bruno
 (74) Michael Buck IP

(71) ALSTOM Transport Technologies
 (11) AU-A-2019213311
 (21) 2019213311 (22) 06.08.2019
 (54) A train detection system for a railway track, a method for detecting a train on a railway track, and a controller for a train detection system for detecting a train on a railway track
 (51) Int. Cl.
B61L 23/24 (2006.01)
 (31) 16/059,423 (32) 09.08.18 (33) US
 (43) 27.02.2020
 (72) Fries, Jeffrey; Cooper, Jared; Martin, Philip; Snyder, Seneca; Nagrodsky, Nicholas
 (74) Davies Collison Cave Pty Ltd

(71) Alza Corporation
 (11) AU-A-2020200951
 (21) 2020200951 (22) 10.02.2020
 (54) Once-a-day replacement transdermal administration of fentanyl
 (51) Int. Cl.

A61F 13/00 (2006.01)
 (43) 27.02.2020
 (62) 2018202501
 (72) Hwang, Stephen S.; Gale, Robert M.
 (74) Shelston IP Pty Ltd.

(71) Amazon Technologies, Inc.
 (11) AU-A-2020200871
 (21) 2020200871 (22) 06.02.2020
 (54) Robotic tossing of items in inventory system
 (51) Int. Cl.
G06Q 10/08 (2012.01)
B25J 9/16 (2006.01)
 (43) 27.02.2020
 (62) 2016330889
 (72) BRAZEAU, Jeremiah David; SWEENEY, Andrew M.; GARCIA, Henry David; CHEN, Fred; LUSIGNAN, Brian Michael
 (74) Spruson & Ferguson

(71) Amphastar Pharmaceuticals, Inc
 (11) AU-A-2020201000
 (21) 2020201000 (22) 12.02.2020
 (54) High-purity inhalable particles of insulin and insulin analogues, and high-efficiency methods of manufacturing the same
 (51) Int. Cl.
C07K 14/62 (2006.01)
A61K 9/00 (2006.01)
A61K 9/14 (2006.01)
A61K 38/28 (2006.01)
 (43) 27.02.2020
 (62) 2016385386
 (72) Ding, Jeffrey; Bo, Aili; LUO, Mary Ziping; Zhang, Jack Yongfeng
 (74) FB Rice Pty Ltd

(71) Anellotech, Inc.
 (11) AU-A-2020200798
 (21) 2020200798 (22) 04.02.2020
 (54) Processes for converting biomass to BTX with low sulfur, nitrogen and olefin content via a catalytic fast pyrolysis process
 (51) Int. Cl.
C10G 45/02 (2006.01)
C10G 1/00 (2006.01)
C10G 1/08 (2006.01)
C10G 1/10 (2006.01)
C10G 3/00 (2006.01)
 (43) 27.02.2020
 (62) 2015284114
 (72) Sorensen, Charles M.; Song, Ruozhi; Mazanec, Terry J.
 (74) Michael Buck IP

(71) Angel Playing Cards Co., Ltd.
 (11) AU-A-2020200872
 (21) 2020200872 (22) 06.02.2020
 (54) Game token management system

Applications Open to Public Inspection - Name Index cont'd

(51) Int. Cl.
A63F 1/06 (2006.01)
 (43) 27.02.2020
 (62) 2017214838
 (72) Shigeta, Yasushi
 (74) FB Rice Pty Ltd

(71) APO-T B.V.
 (11) AU-A-2020200888
 (21) 2020200888 (22) 07.02.2020

(54) MULTI-SPECIFIC BINDING MOLECULES TARGETING ABERRANT CELLS

(51) Int. Cl.
C07K 16/30 (2006.01)
C07K 14/705 (2006.01)

(43) 27.02.2020
 (62) 2017248425
 (72) WILLEMSEN, Ralph Alexander; RENES, Johan
 (74) Griffith Hack

(71) Apple Inc.
 (11) AU-A-2020200864
 (21) 2020200864 (22) 06.02.2020
 (54) Devices, methods, and graphical user interfaces for providing feedback during interaction with an intensity-sensitive button

(51) Int. Cl.
G06F 3/0487 (2013.01)

(43) 27.02.2020
 (62) 2018232928
 (72) CHAUDHRI, Imran A.; BAUER, Sebastian J.; MOUSSETTE, Camille; MOUILLE-SEAUX, Jean-Pierre M.; CORDIER, Madeleine S.; KOPIN, Joshua B.
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2020200881
 (21) 2020200881 (22) 07.02.2020
 (54) Components for an electronic device

(51) Int. Cl.
H04B 1/38 (2006.01)

(43) 27.02.2020
 (62) 2018203006
 (72) WOODHULL, Charles B.; KIPLE, Bryan P.; PAKULA, David A.; TAN, Tang Y.; HELEY, Richard W.; WEBER, Douglas J.; PREST, Christopher D.; MEMERING, Dale N.; JOHANNESSEN, Thomas; COLEMAN, Michael P.
 (74) FPA Patent Attorneys Pty Ltd

(71) Apple Inc.
 (11) AU-A-2020200937
 (21) 2020200937 (22) 10.02.2020
 (54) Devices, methods, and graphical user interfaces for navigating between user interfaces and interacting with control objects

(51) Int. Cl.
G06F 3/00 (2006.01)

(43) 27.02.2020
 (62) 2018253513
 (72) KARUNAMUNI, Chanaka G.; ALONSO RUIZ, Marcos; DE VRIES, Nathan; WALKIN, Brandon M.; LEMAY, Steph-

en O.; FOSS, Christopher P.; STACK, Caelan G.; BERNSTEIN, Jeffrey T.; MIS-SIG, Julian K.; DONG, Linda L.; KEDIA, Shubham; WAN, Wan Si; AMINI, Mani; TYLER, William M.; SUH, Bongsoo; NAVIDPOUR, Seyed M.
 (74) FPA Patent Attorneys Pty Ltd

(71) Aravax Pty Ltd
 (11) AU-A-2020200883
 (21) 2020200883 (22) 07.02.2020
 (54) Novel immunotherapeutic composition and uses thereof

(51) Int. Cl.
A61K 38/08 (2006.01)
A61K 31/7088 (2006.01)
A61K 38/10 (2006.01)
A61P 37/00 (2006.01)

(43) 27.02.2020
 (62) 2014328483
 (72) O'Hehir, Robyn Elizabeth; Prickett, Sara Rachel; Rolland, Jennifer May
 (74) FPA Patent Attorneys Pty Ltd

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2018214060
 (21) 2018214060 (22) 08.08.2018
 (54) A GAMING SYSTEM

(51) Int. Cl.
A63F 13/52 (2014.01)
A63F 13/46 (2014.01)
G07F 17/32 (2006.01)

(43) 27.02.2020
 (72) DEGENS, Erika; TRAN, Toan; CRISPINO, Oliver; MAYO, Marc
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2018214061
 (21) 2018214061 (22) 08.08.2018
 (54) A GAMING SYSTEM

(51) Int. Cl.
A63F 13/45 (2014.01)

(43) 27.02.2020
 (72) BENNETT, Nicholas
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019200768
 (21) 2019200768 (22) 05.02.2019
 (54) SYSTEM AND METHOD OF PROVIDING A FEATURE GAME WITH MULTIPLE GAME INSTANCES

(51) Int. Cl.
G07F 17/32 (2006.01)

(31) 16/059,687 (32) 09.08.18 (33) US
 (43) 27.02.2020
 (72) MARKS, Daniel Mordecai
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019200985

(21) 2019200985 (22) 13.02.2019
 (54) A GAMING DEVICE AND METHOD FOR OPERATING A GAMING DEVICE

(51) Int. Cl.
G07F 17/32 (2006.01)

(31) 2018902952 (32) 13.08.18 (33) AU
 (43) 27.02.2020
 (72) MAYO, Marco; MILETO, Claire; CHAPPLE, Lauren; RICHARDSON, Geoffrey Robert
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019203233

(21) 2019203233 (22) 08.05.2019
 (54) A GAMING DEVICE

(51) Int. Cl.
G07F 17/32 (2006.01)
 (31) 2018902950 (32) 13.08.18 (33) AU
 (43) 27.02.2020
 (72) BRYANT, Natalie; CHIARAVALLE, John
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019204175
 (21) 2019204175 (22) 14.06.2019
 (54) A GAMING DEVICE AND METHOD FOR OPERATING A GAMING DEVICE

(51) Int. Cl.
G07F 17/32 (2006.01)

(31) 2018902949 (32) 13.08.18 (33) AU
 (43) 27.02.2020
 (72) MEYER, Jason
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019204528
 (21) 2019204528 (22) 26.06.2019
 (54) A GAMING DEVICE

(51) Int. Cl.
G07F 17/32 (2006.01)

(31) 2018902953 (32) 13.08.18 (33) AU
 (43) 27.02.2020
 (72) TAM, Billy; GUPTA, Lipi; CHAN, Matthew; YU, Hiram
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019204530
 (21) 2019204530 (22) 26.06.2019
 (54) A GAMING DEVICE

(51) Int. Cl.
G07F 17/32 (2006.01)
A63F 13/00 (2014.01)

(31) 2018902951 (32) 13.08.18 (33) AU
 (43) 27.02.2020
 (72) TAM, Billy; GUPTA, Lipi; CHAN, Matthew; YU, Hiram
 (74) Griffith Hack

Applications Open to Public Inspection - Name Index cont'd

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019213380
 (21) 2019213380 (22) 08.08.2019
 (54) SYSTEMS AND METHODS FOR INCREMENTALLY INCREASING A TIERED PLURALITY OF PROGRESSIVE JACKPOTS
 (51) Int. Cl.
 G07F 17/32 (2006.01)
 (31) 16/057,965 (32) 08.08.18 (33) US
 (43) 27.02.2020
 (72) WALSH, Kevin; CASEY, Michael
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019213428
 (21) 2019213428 (22) 09.08.2019
 (54) GAMING MACHINE AND METHOD FOR REPLAYING REELS
 (51) Int. Cl.
 G07F 17/32 (2006.01)
 A63F 9/24 (2006.01)
 A63F 13/00 (2014.01)
 (31) 16/100,851 (32) 10.08.18 (33) US
 (43) 27.02.2020
 (72) SEVIGNY, Jayme; MARSH, David
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019213444
 (21) 2019213444 (22) 09.08.2019
 (54) SYSTEMS AND METHODS OF ELECTRONIC GAMING INCLUDING AN UPGRADEABLE GAME OBJECT
 (51) Int. Cl.
 G07F 17/32 (2006.01)
 (31) 16/100,953 (32) 10.08.18 (33) US
 (43) 27.02.2020
 (72) CICCHI, Michael; STRIBLING, Michael
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2020200891
 (21) 2020200891 (22) 07.02.2020
 (54) A GAMING SYSTEM AND A METHOD OF GAMING
 (51) Int. Cl.
 A63F 13/00 (2006.01)
 (43) 27.02.2020
 (62) 2018201156
 (72) ROUKIS, George
 (74) Griffith Hack

(71) Ascend Safe Limited
 (11) AU-A-2018214006
 (21) 2018214006 (22) 07.08.2018
 (54) FALL ARREST SYSTEM
 (51) Int. Cl.
 A62B 35/04 (2006.01)
 (43) 27.02.2020
 (72) Drinkwater, Derek Cameron
 (74) Origin Patent and Trade Mark Attorneys

(71) Atlas Gaming Technologies Pty Ltd
 (11) AU-A-2019213443
 (21) 2019213443 (22) 09.08.2019
 (54) Double-randomisation for prize determination
 (51) Int. Cl.
 G07F 17/32 (2006.01)
 (31) 2018902961 (32) 13.08.18 (33) AU
 (43) 27.02.2020
 (72) SOLAJA, Zenja; MANTO, Michael; MONTENEGRO, Daniel; MITELMAN, Boris
 (74) FB Rice Pty Ltd

(71) Atlas Gaming Technologies Pty Ltd
 (11) AU-A-2019216621
 (21) 2019216621 (22) 13.08.2019
 (54) Award generation in a linked pool of gaming machines
 (51) Int. Cl.
 A63F 13/30 (2014.01)
 G07F 17/32 (2006.01)
 (31) 2018902964 (32) 13.08.18 (33) AU
 (43) 27.02.2020
 (72) MONTENEGRO, Daniel Julio; SLOOT, Robert; CIAMPOLI, Alessandro; SOLAJA, Zenja; MITELMAN, Boris
 (74) FB Rice Pty Ltd

(71) Aurora Flight Sciences Corporation
 (11) AU-A-2019203470
 (21) 2019203470 (22) 17.05.2019
 (54) System and method to reduce DVE effect on LIDAR return
 (51) Int. Cl.
 G01S 17/88 (2006.01)
 (31) 16/101,059 (32) 10.08.18 (33) US
 (43) 27.02.2020
 (72) CHOI, Jae-Woo; PADUANO, James D.
 (74) Spruson & Ferguson

(71) Aurora Flight Sciences Corporation
 (11) AU-A-2019203592
 (21) 2019203592 (22) 22.05.2019
 (54) Object-tracking system
 (51) Int. Cl.
 G06T 7/00 (2017.01)
 (31) 16/100,533 (32) 10.08.18 (33) US
 (43) 27.02.2020
 (72) JANJIC, Igor; CHOI, Jae-Woo; WU, Franklin
 (74) Spruson & Ferguson

(71) Babcock Power Services Inc.
 (11) AU-A-2019210649
 (21) 2019210649 (22) 02.08.2019
 (54) BI-METALLIC SWING HAMMERS
 (51) Int. Cl.
 B02C 13/28 (2006.01)
 (31) 16/100,692 (32) 10.08.18 (33) US
 (43) 27.02.2020
 (72) LIN, Qingsheng
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Bamboo Therapeutics, Inc.
 (11) AU-A-2020200976
 (21) 2020200976 (22) 11.02.2020
 (54) Modified friedreich ataxia genes and vectors for gene therapy
 (51) Int. Cl.
 A61K 48/00 (2006.01)
 (43) 27.02.2020
 (62) 2016347887
 (72) SAMULSKI, Richard J.
 (74) Davies Collison Cave Pty Ltd

(71) Bass Morris Pty Ltd
 (11) AU-A-2020200885
 (21) 2020200885 (22) 07.02.2020
 (54) SPINE TREATMENT APPARATUS
 (51) Int. Cl.
 A61H 1/02 (2006.01)
 (43) 27.02.2020
 (62) 2015202868
 (72) Davis, Shaun Samuel
 (74) Sandercock & Cowie

BASSON, J. see Contitech Transportband-systeme GmbH
 (21) 2020200943

Baxter Healthcare SA see Baxter International Inc.
 (21) 2020200961

(71) Baxter International Inc.; Baxter Healthcare SA
 (11) AU-A-2020200961
 (21) 2020200961 (22) 11.02.2020
 (54) SYSTEM AND METHOD FOR PERFORMING ALTERNATIVE AND SEQUENTIAL BLOOD AND PERITONEAL DIALYSIS MODALITIES
 (51) Int. Cl.
 A61M 1/14 (2006.01)
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 A61P 9/00 (2006.01)
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A61K 39/395 (2006.01)
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C12N 1/15 (2006.01)
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 B24B 3/36 (2006.01)
 B24B 3/52 (2006.01)
 B24D 15/06 (2006.01)
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G01S 13/93 (2006.01)
G01C 11/02 (2006.01)
G03B 37/04 (2006.01)
G05D 1/00 (2006.01)
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 C01G 3/00 (2006.01)
 C01G 49/00 (2006.01)
 C22B 3/26 (2006.01)
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G06F 9/455 (2006.01)
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H02S 40/32 (2014.01)
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A61K 38/00 (2006.01)
A61P 9/00 (2006.01)
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C07K 14/46 (2006.01)
C12N 15/09 (2006.01)
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C07K 14/47 (2006.01)
A61K 38/47 (2006.01)
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F41A 35/00 (2006.01)
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H01T 19/04 (2006.01)
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B60R 9/06 (2006.01)
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 62/838,601 25.04.19 US
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(54) Accessory rack for a vehicle
(51) Int. Cl.
B60R 9/06 (2006.01)
B60D 1/36 (2006.01)
B62D 43/02 (2006.01)
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C11B 1/00 (2006.01)
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2019204175	Aristocrat Technologies Australia Pty Limited	2019213445	VER-MAC
2019204184	Thales Management & Services Deutschland GmbH	2019216253	Goldshstein, L.; Elgart, Y.
2019204303	Biosense Webster (Israel) Ltd.	2019216597	LEMMEN, J.A.J.; VAN DOREMAELE, M.G.M.
2019204307	Biosense Webster (Israel) Ltd.	2019216621	Atlas Gaming Technologies Pty Ltd
2019204320	Chint Solar (Zhejiang) Co., Ltd.; Chint New Energy Development (Zhejiang) Co., Ltd.	2019216622	Unasenk Oil Technical Service PTY LTD
2019204426	Covidien LP	2019253781	Stoddart Technology Pty Ltd
2019204439	Covidien LP	2019253833	China University of Mining and Technology
2019204441	Covidien LP	2019261738	Graphic Packaging International, LLC
2019204483	Biosense Webster (Israel) Ltd.	2019268193	Cambricon Technologies Corporation Limited
2019204528	Aristocrat Technologies Australia Pty Limited	2019312559	LG Electronics Inc.
2019204530	Aristocrat Technologies Australia Pty Limited	2020200677	Eagle View Technologies, Inc.
2019204610	Covidien LP	2020200761	Pride Mobility Products Corporation
2019204779	Deere & Company	2020200767	The Trustees of the University of Pennsylvania
2019205967	Deere & Company	2020200798	Anellotech, Inc.
2019205982	Biosense Webster (Israel) Ltd.	2020200812	CareFusion 303, Inc.
2019205985	Biosense Webster (Israel) Ltd.	2020200814	CA Casyso GmbH
2019206096	Shaanxi University of Technology	2020200832	Medrobotics Corporation
2019206102	Shaanxi University of Technology	2020200835	Hologic, Inc.
2019208168	Eavor Technologies Inc	2020200840	Novartis AG
2019208214	The Boeing Company	2020200842	Cantab Pharmaceuticals Patents Limited
2019208222	Caterpillar Global Mining Europe GmbH	2020200843	Intact Vascular, Inc.
2019210489	Caterpillar Global Mining Europe GmbH	2020200845	Lifetrack Medical Systems Private Ltd.
2019210534	Westcott Designs Inc.	2020200846	ACETYLON PHARMACEUTICALS, INC.
2019210535	Westcott Designs Inc.	2020200849	CFPH, LLC
2019210606	Frank's International, LLC	2020200851	Nikola Corporation
2019210611	Caterpillar Inc.	2020200852	Kimberly-Clark Worldwide, Inc.
2019210614	Accenture Global Solutions Limited	2020200853	Enix Co., Ltd.
2019210649	Babcock Power Services Inc.	2020200854	Boehringer Ingelheim Animal Health USA Inc.
2019210672	ALSTOM Transport Technologies	2020200855	Ventana Medical Systems, Inc.; The Regents of the University of California; The United States of America as represented by The Department of Veterans Affairs; F. Hoffmann-La Roche AG
2019210682	Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation	2020200856	Vista Outdoor Operations LLC
2019213292	Covidien LP	2020200859	Intervet International B.V.
2019213296	Idemia Identity & Security France	2020200861	Dolby Laboratories Licensing Corporation
2019213299	Biosense Webster (Israel) Ltd.	2020200862	Daikin Industries, Ltd.
2019213307	Tolson, J.		

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2020200863	The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services	2020200957	Werner Co.
2020200864	Apple Inc.	2020200961	Baxter International Inc.; Baxter Healthcare SA
2020200865	Ecolab USA Inc.	2020200962	Whitehead Institute for Biomedical Research
2020200866	Daiichi Sankyo Company, Limited	2020200963	Iasis Molecular Sciences; Vachon, D.; Nordal, S.; Walters, D.
2020200871	Amazon Technologies, Inc.	2020200964	Roar Holding LLC
2020200872	Angel Playing Cards Co., Ltd.	2020200966	Ortho-Nutra, LLC
2020200873	Snap-on Incorporated	2020200967	SAS Institute Inc.
2020200874	OPKO Biologics Ltd.	2020200968	Wright Medical Technology, Inc.
2020200875	Oncocoetics, Inc.	2020200969	Visualase, Inc.
2020200876	SpookFish Innovations Pty Ltd	2020200972	Capital Confirmation Inc
2020200880	Financial & Risk Organisation Limited	2020200975	GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.
2020200881	Apple Inc.	2020200976	Bamboo Therapeutics, Inc.
2020200882	Valerion Therapeutics, LLC	2020200977	Merhis Pty Ltd
2020200883	Aravax Pty Ltd	2020200979	Bayer Pharma Aktiengesellschaft
2020200884	Norton (Waterford) Limited	2020200980	Kiniksa Pharmaceuticals, Ltd.
2020200885	Bass Morris Pty Ltd	2020200981	CytomX Therapeutics, Inc.
2020200886	Bluedot Innovation Pty Ltd	2020200983	New York University
2020200887	Evolva SA	2020200984	SunPower Corporation
2020200888	APO-T B.V.	2020200986	Poulton Technologies Limited
2020200889	Google LLC	2020200989	Waymo LLC
2020200890	immatics biotechnologies GmbH	2020200990	The Board of Regents of the University of Oklahoma; Agenus Inc.
2020200891	Aristocrat Technologies Australia Pty Limited	2020200994	Epizyme, Inc.
2020200893	Xyleco, Inc.	2020200995	Gilead Science, Inc.
2020200894	Fasetto, Inc.	2020200996	Gilead Sciences, Inc.
2020200895	BD Kiestra B.V.	2020200997	Interactive Intelligence Group, Inc.
2020200896	Unified Brands, Inc.	2020200999	Fisher & Paykel Healthcare Limited
2020200898	Malter, R.; Nagarajan, S.	2020201000	Amphastar Pharmaceuticals, Inc
2020200899	EyeWay Vision Ltd.	2020201001	GE Global Sourcing LLC
2020200900	Becton, Dickinson and Company	2020201002	Novartis AG
2020200901	WANG, K.	2020201003	Fox Sports Productions, LLC
2020200902	Colgate-Palmolive Company	2020201005	Itron Networked Solutions, Inc.
2020200903	Akebia Therapeutics, Inc.	2020201007	Fisher & Paykel Healthcare Limited
2020200905	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	2020201017	Siluria Technologies, Inc.
2020200906	Snap-on Incorporated		
2020200907	Unisys Corporation		
2020200908	The Brigham and Women's Hospital, Inc.		
2020200909	Pearson Education, Inc.		
2020200911	Biosense Webster (Israel) Ltd.		
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2020200913	Nuvera Fuel Cells, LLC		
2020200914	Colgate-Palmolive Company		
2020200916	Caterpillar Inc.		
2020200917	HGCI, Inc.		
2020200918	The University of British Columbia		
2020200920	Tasmanian Alkaloids Pty Ltd		
2020200922	Panasonic Intellectual Property Management Co., Ltd.		
2020200923	SA Photonics, Inc.		
2020200924	Third Pole, Inc.		
2020200926	CFPH, LLC		
2020200930	Nine IP Limited		
2020200934	University of Miyazaki		
2020200935	Proteus Digital Health, Inc		
2020200937	Apple Inc.		
2020200938	LANDA CORPORATION LTD		
2020200939	Dynamics Inc.		
2020200940	Dynamics Inc.		
2020200941	Beiersdorf AG		
2020200943	Contitech Transportbandsysteme GmbH; WALLACE, J.; BASSON, J.		
2020200944	Inventio AG		
2020200946	MAKO Surgical Corp.		
2020200947	Sofradim Production		
2020200948	University of Washington; Adverum Biotechnologies, Inc.		
2020200949	Kilroy, J.		
2020200950	Covidien LP		
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Name Index

. (*) Title not in Roman characters
 . (**) Title not given
 (This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

(71) Abo Window Fashion Corp.; CHUANG, S.
 (11) AU-A-2020100109
 (21) 2020100109 (22) 22.01.2020
 (54) Window Curtain
 (51) Int. Cl.
 A47H 1/04 (2006.01)
 A47H 15/04 (2006.01)
 (45) 27.02.2020
 (72) CHUANG, Shan-Chi
 (74) A.P.T. Patent and Trade Mark Attorneys

(71) Abo Window Fashion Corp.; CHUANG, S.
 (11) AU-A-2020100110
 (21) 2020100110 (22) 22.01.2020
 (54) Window Shade
 (51) Int. Cl.
 E06B 9/36 (2006.01)
 A47H 1/04 (2006.01)
 (45) 27.02.2020
 (72) CHUANG, Shan-Chi
 (74) A.P.T. Patent and Trade Mark Attorneys

(71) AMANTI PTY LTD
 (11) AU-A-2020100132
 (21) 2020100132 (22) 24.01.2020
 (54) Innovative Bench Top Drinking Vessel Steriliser
 (51) Int. Cl.
 A61L 2/07 (2006.01)
 A61L 2/04 (2006.01)
 A61L 2/08 (2006.01)
 (45) 27.02.2020
 (72) Goston, Bernard
 (74) Goston AVend Pty Ltd

(71) AZA SYSTEMS PTY LTD
 (11) AU-A-2020100020
 (21) 2020100020 (22) 07.01.2020
 (54) BUILDING CONNECTON SYSTEM
 (51) Int. Cl.
 E04B 1/58 (2006.01)
 E04C 3/02 (2006.01)
 E04F 15/02 (2006.01)
 (31) 2019900037 (32) 07.01.19 (33) AU
 (45) 27.02.2020
 (72) Azaredo, Nathan
 (74) Patent Attorney Services

(71) Bithell, W.
 (11) AU-A-2020100151
 (21) 2020100151 (22) 29.01.2020
 (54) A local carbon calculator. Which calculates the carbon footprint of tourists, businesses or households. The calculator calculates a carbon footprint for the user. It then sug-

gests how many trees they need to offset their carbon footprint. It then gives them a combination of options to offset their carbon footprint by connecting them with local tree planting events (so they can plant trees themselves), allows them to pay a tree planting organisation to plant trees for them and or allows them to pay local landholders to conserve the trees on their property to offset the users carbon footprint.
 (51) Int. Cl.
 G06Q 50/00 (2012.01)
 (45) 27.02.2020
 (72) Bithell, Wendy
 (74) Wendy Bithell

(71) Breville Pty Limited
 (11) AU-A-2020100131
 (21) 2020100131 (22) 24.01.2020
 (54) A cleaning tool
 (51) Int. Cl.
 A47J 43/07 (2006.01)
 B26D 3/18 (2006.01)
 B26D 7/18 (2006.01)
 (45) 27.02.2020
 (62) PCT/AU2018/000136
 (72) Antkowiak, Margaret
 (74) Spruson & Ferguson

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 (21) 2020100109

CHUANG, S. see Abo Window Fashion Corp.
 (21) 2020100110

(71) Dam Buster IP Pty Ltd
 (11) AU-A-2020100158
 (21) 2020100158 (22) 30.01.2020
 (54) AN OVERFLOW DEVICE COMPRISING OR INCLUDING A RAINHEAD
 (51) Int. Cl.
 E04D 13/064 (2006.01)
 E04D 13/08 (2006.01)
 (45) 27.02.2020
 (62) 2017200959
 (72) KIRKWOOD, Russell John; GREGORY, Rowan; POCKETT, David John
 (74) WRAYS PTY LTD

(71) EMERGENCY & TRAINING SOLUTIONS PTY LTD
 (11) AU-A-2020100121
 (21) 2020100121 (22) 23.01.2020
 (54) Cardio Pulmonary Resuscitation (CPR) feedback device
 (51) Int. Cl.
 G09B 23/28 (2006.01)

(45) 27.02.2020
 (72) White, Andrew
 (74) EMERGENCY & TRAINING SOLUTIONS PTY LTD

(71) fabZing Pty Ltd
 (11) AU-A-2020100068
 (21) 2020100068 (22) 14.01.2020
 (54) The present invention relates to methods and systems for allowing the generation of multi-author communications and composite works.
 (51) Int. Cl.
 G06F 16/958 (2019.01)
 G06Q 99/00 (2006.01)
 (45) 27.02.2020
 (72) Shaffer, Jon Frank
 (74) fabZing Pty Ltd

(71) Hashem, N.
 (11) AU-A-2020100096
 (21) 2020100096 (22) 19.01.2020
 (54) eCommerce platform bringing together independent writers to production studios and publishing houses
 (51) Int. Cl.
 G06Q 50/10 (2012.01)
 G06Q 10/10 (2012.01)
 G06Q 30/06 (2012.01)
 (45) 27.02.2020
 (72) Hashem, Nishat
 (74) Nishat Hashem

(71) Henan Polytechnic University
 (11) AU-A-2020100019
 (21) 2020100019 (22) 07.01.2020
 (54) Downhole adjustable and self-propelled device for restoring boreholes by CO2 jets and restoration method using the same
 (51) Int. Cl.
 E21F 7/00 (2006.01)
 (31) 201910394000.7 (32) 13.05.19 (33) CN
 (45) 27.02.2020
 (72) LIU, Yong; LIU, Xiaotian; WANG, Chenchen; CUI, Jiawei; LI, Zhifei
 (74) Griffith Hack

(71) Henan Polytechnic University
 (11) AU-A-2020100081
 (21) 2020100081 (22) 16.01.2020
 (54) A Fiber Bragg Grating Monitoring Device for Dynamic Disasters in Coal Mines
 (51) Int. Cl.
 G01V 1/28 (2006.01)
 E21F 17/18 (2006.01)
 G01V 1/24 (2006.01)
 (45) 27.02.2020
 (72) WEI, Shiming
 (74) WRAYS PTY LTD

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JIANG, H. see **KARAMOOZIAN, A.**

(21) 2020100095

(71) KARAMOOZIAN, A.; JIANG, H.

(11) AU-A-2020100095

(21) 2020100095 (22) 18.01.2020

(54) BRAKE DISCS STRUCTURES WITH THIN WALLED LATTICE PLATE: HO-MOGENIZED AND MICROMECHAN-ICS MODELLING APPROACH

(51) Int. Cl.

F16D 65/847 (2006.01)

B32B 3/18 (2006.01)

B32B 15/01 (2006.01)

F16D 65/12 (2006.01)

F16D 65/84 (2006.01)

(45) 27.02.2020

(72) KARAMOOZIAN, AMINREZA; JI-ANG, HAOBIN; TAN, CHIN-AN; WANG, LIANGMO; KARAMOOZI-AN, AMIRHOSSEIN; KARAMOOZIAN, MASOOD

(74) AMINREZA KARAMOOZIAN

(71) Khoury-Fakhri, S.

(11) AU-A-2020100138

(21) 2020100138 (22) 28.01.2020

(54) System and Method for Identifying, Ana-lysing and Managing Risk for Products in the supply network

(51) Int. Cl.

G06Q 10/06 (2012.01)

(31) 2019900419 (32) 11.02.19 (33) AU

(45) 27.02.2020

(72) Khoury-Fakhri, Salma

(74) Alder IP Pty Ltd

(71) MENDA SOFTWARE PTY LTD

(11) AU-A-2020100122

(21) 2020100122 (22) 23.01.2020

(54) A web application that connects parties to a conveyancing contract within an online workspace where they can negotiate the terms of the contract. The system allows a vendor to upload the contract to a work-space and invite counterparties to join the workspace and request amendments to the contract. As the negotiation progresses a table is created showing the history of the requests and responses, and at the conclu-sion of the negotiation the application auto-matically generates a schedule of the agreed amendments for inclusion in the contract.

(51) Int. Cl.

G06Q 30/06 (2012.01)

(45) 27.02.2020

(72) Sidey, Rory John

(74) MENDA SOFTWARE PTY LTD

(71) Mitsubishi Heavy Industries Thermal Sys-tems, Ltd.

(11) AU-A-2020100139

(21) 2020100139 (22) 29.01.2020

(54) PACKING CONTAINER AND SHEET MATERIAL FOR PACKING CONTAIN-ER

(51) Int. Cl.

B65D 5/30 (2006.01)

B65D 5/20 (2006.01)

B65D 5/44 (2006.01)

B65D 5/64 (2006.01)

(45) 27.02.2020

(62) PCT/JP2018/031441

(72) Fujii, Hiroyuki; Matsumoto, Soichiro

(74) Phillips Ormonde Fitzpatrick

(71) Neptune Bio-Innovations Pty Ltd

(11) AU-A-2020100116

(21) 2020100116 (22) 22.01.2020

(54) COMPOSITIONS COMPRISING TUR-MERIC EXTRACTS

(51) Int. Cl.

A61K 36/9066 (2006.01)

A61K 9/28 (2006.01)

A61K 31/12 (2006.01)

A61K 31/194 (2006.01)

A61K 36/67 (2006.01)

A61P 31/04 (2006.01)

(31) 2019900202 (32) 22.01.19 (33) AU

(45) 27.02.2020

(72) Rajendram, Vijaya; Sathiyajith, CuhaWijay

(74) FOUNDRY INTELLECTUAL PROP-ERTY PTY LTD

(71) Newham, M.

(11) AU-A-2020100097

(21) 2020100097 (22) 19.01.2020

(54) Water Miser Watering Can

(51) Int. Cl.

A01G 25/14 (2006.01)

F16K 3/00 (2006.01)

(45) 27.02.2020

(72) Newham, Murray

(74) Murray Newham

(71) OU, C.

(11) AU-A-2020100112

(21) 2020100112 (22) 22.01.2020

(54) A SMART CHARGE AND POWER SUP-PLY DEVICE FOR VEHICLES AND MO-TORCYCLES

(51) Int. Cl.

H02J 7/14 (2006.01)

B60L 50/61 (2019.01)

B60L 50/62 (2019.01)

H02J 7/00 (2006.01)

(45) 27.02.2020

(72) OU, CHIN-SHIH

(74) Belyea IP

(71) OU, C.

(11) AU-A-2020100113

(21) 2020100113 (22) 22.01.2020

(54) A SMART CHARGE AND POWER SUP-PLY DEVICE FOR MOBILE VEHICLES

(51) Int. Cl.

H02J 7/14 (2006.01)

B60L 50/61 (2019.01)

B60L 50/62 (2019.01)

H02J 7/00 (2006.01)

(45) 27.02.2020

(72) OU, CHIN-SHIH

(74) Belyea IP

(71) OXTI CORPORATION

(11) AU-A-2020100104

(21) 2020100104 (22) 21.01.2020

(54) PROJECTOR WITH ARM SUPPORTED FIXING FRAME

(51) Int. Cl.

F16M 11/08 (2006.01)

F16M 11/10 (2006.01)

G03B 21/54 (2006.01)

(45) 27.02.2020

(72) HO, CHIH FENG

(74) Alfred Lei

(71) Panasonic Appliances Air-Conditioning Malaysia Sdn. Bhd.

(11) AU-A-2020100140

(21) 2020100140 (22) 29.01.2020

(54) AIR CONDITIONING UNIT WITH MULTI-LAYER TERMINAL BOARD

(51) Int. Cl.

F24F 11/88 (2018.01)

F24F 13/20 (2006.01)

H05K 5/02 (2006.01)

(31) PI 2019006398 (32) 31.10.19 (33) MY

(45) 27.02.2020

(72) Ng, Kim Guan; Chan, Seng Chang; Chew, Soon Boon

(74) Phillips Ormonde Fitzpatrick

(71) Panasonic Appliances Air-Conditioning Malaysia Sdn. Bhd.

(11) AU-A-2020100141

(21) 2020100141 (22) 29.01.2020

(54) AIR-CONDITIONING UNIT WITH COMPACT IONIZER ASSEMBLY

(51) Int. Cl.

F24F 3/16 (2006.01)

F24F 11/89 (2018.01)

F24F 13/00 (2006.01)

(31) PI 2019006400 (32) 31.10.19 (33) MY

(45) 27.02.2020

(72) Chan, Seng Chang; Koh, Sheng Yii; Teo, Lii Shyan

(74) Phillips Ormonde Fitzpatrick

(71) Panasonic Appliances Air-Conditioning Malaysia Sdn. Bhd.

(11) AU-A-2020100142

(21) 2020100142 (22) 29.01.2020

(54) AIR-CONDITIONING UNIT WITH MODIFIED MOTOR BRACKET

(51) Int. Cl.

F24F 13/32 (2006.01)

F24F 13/20 (2006.01)

(31) PI 2019006399 (32) 31.10.19 (33) MY

(45) 27.02.2020

(72) Ng, Kim Guan; Tan, Boon Hun; Hew, Xiao Jun

(74) Phillips Ormonde Fitzpatrick

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- (71) Papandrea, D.; THE LOGICAL COMPANY
 (11) AU-A-2020100024
 (21) 2020100024 (22) 08.01.2020
 (54) VEHICLE WINDOWS OR SUNROOF CONTROL electronic control unit to capture the lock or unlocking wires voltage signals or all input Data (CAN, LIN, FLEX RAY or other protocols) for vehicles with factory remote control to control windows and or sunroof. ONE electronic module also has Internal Temperature sensor and external Rain sensor for additional features. Rain sensor can be automatically one time isolated (hot day) by adjusting windows height Internal Temperature sensor can control windows and or sunroof to open and close to keep interior at required temperature if no rain
 (51) Int. Cl.
B60J 1/00 (2006.01)
B60J 7/00 (2006.01)
E05F 15/71 (2015.01)
 (45) 27.02.2020
 (72) Papandrea, Dominic
 (74) Dominic Papandrea

- (71) Pharmag AS
 (11) AU-A-2020100108
 (21) 2020100108 (22) 22.01.2020
 (54) Live fish processing system, and associates method
 (51) Int. Cl.
A01K 61/95 (2017.01)
A01K 61/13 (2017.01)
 (45) 27.02.2020
 (62) 2018313729
 (72) Pettersen, Jørn Ståle; Oddoy, Remy Kristian; Moflag, Johan Odd; Langseth, Steffen
 (74) Shelston IP Pty Ltd.

- (71) Remuda Energy Solutions Inc.
 (11) AU-A-2020100099
 (21) 2020100099 (22) 20.01.2020
 (54) Apparatus and method for cutting a tubular
 (51) Int. Cl.
E21B 29/06 (2006.01)
E21B 29/00 (2006.01)
 (45) 27.02.2020
 (62) 2017268491
 (72) NESTER, Travis; LELEK, Shawn
 (74) Spruson & Ferguson

- (71) Samsonite IP Holdings S.à.r.l.
 (11) AU-A-2020100137
 (21) 2020100137 (22) 28.01.2020
 (54) LOCKABLE LUGGAGE COVER
 (51) Int. Cl.
A45C 13/18 (2006.01)
A45C 13/10 (2006.01)
 (45) 27.02.2020
 (72) OLIVEIRA DA SILVEIRA, Marcio; KHARKA, Dhirendra
 (74) BOSH IP Pty Ltd

- (71) Shenzhen Haneco Technology Co. LTD;
 YANG, L.
 (11) AU-A-2020100101
 (21) 2020100101 (22) 21.01.2020
 (54) Bluetooth switch socket
 (51) Int. Cl.
H01H 9/54 (2006.01)
H01H 9/16 (2006.01)
H01R 13/66 (2006.01)
H04L 12/28 (2006.01)
 (31) 201921829033.1 (32) 28.10.19 (33) CN
 (45) 27.02.2020
 (72) XU, Xiufang; HARRIS, Geoffrey; HILDER, David; ALTERNETTI, Epi
 (74) FB Rice Pty Ltd

- (71) Shenzhen Haneco Technology Co. LTD;
 YANG, L.
 (11) AU-A-2020100102
 (21) 2020100102 (22) 21.01.2020
 (54) Bluetooth dimmer socket
 (51) Int. Cl.
H05B 39/04 (2006.01)
H05B 47/19 (2020.01)
 (31) 201921826044.4 (32) 28.10.19 (33) CN
 (45) 27.02.2020
 (72) XU, Xiufang; HARRIS, Geoffrey; HILDER, David; ALTERNETTI, Epi
 (74) FB Rice Pty Ltd

- (71) TANGSHAN HARBIN SHIP TECHNOLOGY CO., LTD.; TANGSHAN HYDRIENCE MARINE TECHNOLOGY CO., LTD.
 (11) AU-A-2020100123
 (21) 2020100123 (22) 24.01.2020
 (54) SNORKELING SONAR ROBOT WITH A FLEXIBLE CHAMBER
 (51) Int. Cl.
B63G 8/24 (2006.01)
B63G 8/00 (2006.01)
B63G 8/39 (2006.01)
 (31) PCT/ (32) 01.03.19 (33) CN
 CN2019/076772
 (45) 27.02.2020
 (72) LIU, Haoyuan; ZHENG, Ruiyun; ZHENG, Yujun; SUN, Lijing; TIAN, Bingqi
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

- (71) TANGSHAN HARBIN SHIP TECHNOLOGY CO., LTD.; TANGSHAN HYDRIENCE MARINE TECHNOLOGY CO., LTD.
 (11) AU-A-2020100124
 (21) 2020100124 (22) 24.01.2020
 (54) SNORKELING SONAR ROBOT WITH AN ANNULAR AIR BAG
 (51) Int. Cl.
B63G 8/24 (2006.01)
B63G 8/00 (2006.01)
B63G 8/39 (2006.01)
 (31) PCT/ (32) 01.03.19 (33) CN
 CN2019/076769
 (45) 27.02.2020
 (72) LIU, Haoyuan; ZHENG, Yujun; ZHENG, Ruiyun; SUN, Lijing; TIAN, Bingqi
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

- (71) TANGSHAN HARBIN SHIP TECHNOLOGY CO., LTD.; TANGSHAN HYDRIENCE MARINE TECHNOLOGY CO., LTD.
 (11) AU-A-2020100125
 (21) 2020100125 (22) 24.01.2020
 (54) DETACHABLE SUCTION FILTRATION DEVICE AND SUCTION FILTER
 (51) Int. Cl.
B01D 29/085 (2006.01)
 (31) PCT/ (32) 03.04.19 (33) CN
 CN2019/081215
 (45) 27.02.2020
 (72) LIU, Haoyuan; WANG, Fengchi; YU, Peiwen; YU, Qinglong; CHEN, Xuelian; ZHAO, Zhengang
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

- (71) TANGSHAN HARBIN SHIP TECHNOLOGY CO., LTD.
 (11) AU-A-2020100126
 (21) 2020100126 (22) 24.01.2020
 (54) THE PREPARATION AND APPLICATION OF A DEEP CLEANSING FACIAL MASSAGE CREAM
 (51) Int. Cl.
A61K 8/19 (2006.01)
A61K 8/04 (2006.01)
A61K 8/20 (2006.01)
A61K 8/23 (2006.01)
A61K 8/36 (2006.01)
A61Q 19/10 (2006.01)
 (31) PCT/ (32) 20.12.19 (33) CN
 CN2019/127174
 (45) 27.02.2020
 (72) YANG, Shanye; CHEN, Zhongshan; WANG, Jian; CHEN, Liang; LIU, Haoyuan
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

- TANGSHAN HYDRIENCE MARINE TECHNOLOGY CO., LTD. see TANGSHAN HARBIN SHIP TECHNOLOGY CO., LTD.
 (21) 2020100123

- TANGSHAN HYDRIENCE MARINE TECHNOLOGY CO., LTD. see TANGSHAN HARBIN SHIP TECHNOLOGY CO., LTD.
 (21) 2020100124

- TANGSHAN HYDRIENCE MARINE TECHNOLOGY CO., LTD. see TANGSHAN HARBIN SHIP TECHNOLOGY CO., LTD.
 (21) 2020100125

- (71) Techtronic Cordless GP
 (11) AU-A-2020100128
 (21) 2020100128 (22) 24.01.2020
 (54) Trimmer head assembly for a trimmer
 (51) Int. Cl.
A01D 34/535 (2006.01)
A01D 34/08 (2006.01)
A01D 34/17 (2006.01)

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A01D 34/416 (2006.01)
A01D 34/73 (2006.01)
(31) 62/796,755 **(32)** 25.01.19 **(33)** US
(45) 27.02.2020
(72) NOLIN, J. Eric; HOFFMANN, Ronald J.;
 SCHMIDT, Andrew M.; VORA, Fahad T.
(74) Spruson & Ferguson

THE LOGICAL COMPANY see Papandrea,
 D.
(21) 2020100024

(71) Trustee for Estuary Unit Trust
(11) AU-A-2020100023
(21) 2020100023 **(22)** 07.01.2020
(54) ROTARY CUTTING DEVICE
(51) Int. Cl.

B26D 1/09 (2006.01)
B23D 17/08 (2006.01)
B23D 45/00 (2006.01)
B23D 45/02 (2006.01)
B26D 3/16 (2006.01)
B26D 5/10 (2006.01)
B26D 7/02 (2006.01)
B26D 7/06 (2006.01)
B26D 9/00 (2006.01)
E06B 9/42 (2006.01)

(45) 27.02.2020
(72) Whittaker, John; Lord, Stuart
(74) mdp Patent and Trade Mark Attorneys

(71) University of Chinese Academy of Sciences
(11) AU-A-2020100146
(21) 2020100146 **(22)** 29.01.2020
(54) CF-GERT Method for Risk Evaluation in
 New Product Research and Development
(51) Int. Cl.

G06Q 99/00 (2006.01)
(45) 27.02.2020
(72) WU, Desheng
(74) WRAYS PTY LTD

(71) van Schalkwyk, G.
(11) AU-A-2020100107
(21) 2020100107 **(22)** 22.01.2020
(54) Meta-website/application to function as a
 gateway and interface to other websites/ap-
 plications/tools.
(51) Int. Cl.

G06Q 99/00 (2006.01)
(45) 27.02.2020
(72) van Schalkwyk, Gideon
(74) Gideon van Schalkwyk

(71) Virtual Buildings Information System Pty
 Ltd
(11) AU-A-2020100120
(21) 2020100120 **(22)** 23.01.2020
(54) Virtual building information systems
(51) Int. Cl.

G06H 50/08 (2012.01)
(45) 27.02.2020
(72) Agar, Carl; Stannus, Warwick; Price,
 Bryon; Gilmore, Paul; Taylor, Bart;
 Samarawickrama, Heshan
(74) FB Rice Pty Ltd

(71) Woodley, A.
(11) AU-A-2020100013
(21) 2020100013 **(22)** 05.01.2020
(54) A Method and Systems for Assisting the
 fighting of bushfires and for addressing and
 countering the effects of climate change
(51) Int. Cl.
E04B 1/94 (2006.01)
A62C 2/06 (2006.01)
A62C 3/00 (2006.01)
E01F 15/08 (2006.01)
E04B 2/74 (2006.01)

(45) 27.02.2020
(72) Woodley, Allan
(74) Allan AF Woodley, Solicitor and Trade
 Marks Attorney

(71) Xiamen Institute of Rare Earth Materials
(11) AU-A-2020100093
(21) 2020100093 **(22)** 17.01.2020
(54) ISONICOTINIC ACID DERIVATIVE
 AND PREPARATION METHOD AND
 APPLICATION THEREOF TECHNICAL
 FIELD

(51) Int. Cl.
C07D 413/12 (2006.01)
A61K 31/4439 (2006.01)
(31) 2019102094862 **(32)** 19.03.19 **(33)** CN
(45) 27.02.2020
(72) Yong, Jianping; Lu, Canzhong
(74) Lord & Company

(71) Xin, X.
(11) AU-A-2020100136
(21) 2020100136 **(22)** 24.01.2020
(54) NEW-TYPE WATERWHEEL ROTAT-
 ING DEVICE
(51) Int. Cl.
F03B 7/00 (2006.01)
F03B 17/06 (2006.01)
(31) 201922150041.X **(32)** 05.12.19 **(33)** CN
(45) 27.02.2020
(72) Xin, Xiaofei
(74) Madderns Pty Ltd

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 Co. LTD
(21) 2020100101

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 Co. LTD
(21) 2020100102

(71) Yang Bey Industrial Co., Ltd
(11) AU-A-2020100111
(21) 2020100111 **(22)** 22.01.2020
(54) PROTECTIVE TAPE DISPENSER
(51) Int. Cl.
B65H 35/00 (2006.01)
(45) 27.02.2020
(72) Yu, Teng-Chi
(74) P L BERRY & ASSOCIATES

(71) Zhejiang Jiansheng Leisure Products Co.,
 Ltd
(11) AU-A-2020100117
(21) 2020100117 **(22)** 23.01.2020
(54) Central bidirectional rotation locking mech-
 anism for folding tent
(51) Int. Cl.
E04H 15/32 (2006.01)
(31) 2019223640405 **(32)** 25.12.19 **(33)** CN
(45) 27.02.2020
(72) Ying, Qiwang; Sun, Yuanru; He, Jian
(74) Shelston IP Pty Ltd.

(71) Zhejiang Jiansheng Leisure Products Co.,
 Ltd
(11) AU-A-2020100118
(21) 2020100118 **(22)** 23.01.2020
(54) New central locking apparatus for folding
 tent
(51) Int. Cl.
E04H 15/32 (2006.01)
(31) 2019205878612 **(32)** 26.04.19 **(33)** CN
(45) 27.02.2020
(72) Sun, Yuanru; Zeng, Chao; He, Jian
(74) Shelston IP Pty Ltd.

(71) Zhejiang Jiansheng Leisure Products Co.,
 Ltd
(11) AU-A-2020100119
(21) 2020100119 **(22)** 23.01.2020
(54) Central lock for folding tent
(51) Int. Cl.
E04H 15/32 (2006.01)
(31) 2019212623923 **(32)** 06.08.19 **(33)** CN
(45) 27.02.2020
(72) Sun, Yuanru; Zeng, Chao; Ying, Qiwang;
 He, Jian
(74) Shelston IP Pty Ltd.

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2020100158	Dam Buster IP Pty Ltd

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<u>A01D 34 /-</u>	<u>B23D 17 /-</u>	<u>E04B 1 /-</u>	<u>F24F 13 /-</u>	<u>H05K 5 /-</u>
2020100128	2020100023	2020100013 2020100020	2020100140 2020100141 2020100142	2020100140
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2020100097	2020100023	2020100013	2020100141	
<u>A01K 61 /-</u>	<u>B26D 1 /-</u>	<u>E04C 3 /-</u>	<u>G01V 1 /-</u>	
2020100108	2020100023	2020100020	2020100081	
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2020100126	2020100139	2020100095	2020100101	
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2020100013	2020100111	2020100097	2020100102	
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G01B 5/004 (2006.01)

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A62B 35/00 (2006.01)

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 aration of metals and hydrochloric acid
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C22B 3/22 (2006.01)
C25C 1/00 (2006.01)

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A61K 31/45 (2006.01)
A61K 31/4525 (2006.01)
A61K 31/453 (2006.01)
A61K 31/4535 (2006.01)
A61K 31/454 (2006.01)
A61K 31/4545 (2006.01)
A61K 31/46 (2006.01)
A61P 25/00 (2006.01)
C07D 211/58 (2006.01)
C07D 401/12 (2006.01)
C07D 405/12 (2006.01)
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C07D 451/04 (2006.01)

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A61K 31/439 (2006.01)
A61P 25/34 (2006.01)

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 olo[4,5-f]indol-7-yl)pyrrole-2,5-dione
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A61K 31/403 (2006.01)
A61P 35/00 (2006.01)

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A61K 38/17 (2006.01)

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 A61K 45/00 (2006.01)
 A61P 1/00 (2006.01)
 A61P 15/00 (2006.01)
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 (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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 D06N 7/00 (2006.01)
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 G06T 7/20 (2017.01)
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- (71) Alcon Inc.
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 A61B 3/10 (2006.01)
 G01B 9/02 (2006.01)
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 A61J 15/00 (2006.01)
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 A61J 7/00 (2006.01)
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 C12C 3/08 (2006.01)
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 C12C 13/00 (2006.01)
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 C07C 211/52 (2006.01)
 A61K 31/341 (2006.01)
 A61P 17/00 (2006.01)
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A61K 31/713 (2006.01)
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C12Q 1/22 (2006.01)
C12M 1/12 (2006.01)
G01N 27/00 (2006.01)
G01N 33/497 (2006.01)
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C12Q 1/22 (2006.01)
C12M 1/12 (2006.01)
G01N 27/04 (2006.01)
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G01N 27/22 (2006.01)
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A61G 13/12 (2006.01)
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G16H 50/50 (2018.01)
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C07D 209/02 (2006.01)
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C25C 1/10 (2006.01)
C25D 3/30 (2006.01)
C25F 7/02 (2006.01)
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 C07D 231/20 (2006.01)
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 (54) Image forming apparatus and image forming system
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 (54) Image forming apparatus and image forming system
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<p>(71) CA Casyso GmbH (11) AU-A-2018301773 (21) 2018301773 (22) 28.06.2018 (54) Autoplatelet cartridge device (51) Int. Cl. A61J 1/05 (2006.01) A61K 35/19 (2015.01) B01L 3/00 (2006.01) C12M 1/36 (2006.01) C12Q 1/56 (2006.01) G01N 33/86 (2006.01) (87) WO2019/013993 (31) 15/648,345 (32) 12.07.17 (33) US (43) 17.01.2019 (72) GORIN, Michael M.; McCLUSKEY, Cory Lee; SCHWAIGER, Hubert Martin; HILLMAN, Robert S. (74) FB Rice Pty Ltd</p>	<p>(71) Canopy Growth Corporation (11) AU-A-2018338611 (21) 2018338611 (22) 27.09.2018 (54) Edible cannabinoid compositions (51) Int. Cl. A61K 31/01 (2006.01) A61K 31/122 (2006.01) A61K 31/352 (2006.01) (87) WO2019/067769 (31) 62/564,647 (32) 28.09.17 (33) US (43) 04.04.2019 (72) LEVY, Kurt (74) Spruson & Ferguson</p>	<p>(71) Carbon Revolution Limited (11) AU-A-2018317940 (21) 2018317940 (22) 16.08.2018 (54) Rim fibre architecture of a composite wheel (51) Int. Cl. B60B 5/02 (2006.01) B29C 70/30 (2006.01) B60B 21/00 (2006.01) (87) WO2019/033169 (31) 2017903325 (32) 18.08.17 (33) AU (43) 21.02.2019 (72) DENMEAD, Ashley James; LAW, Haydn; CORBETT, Timothy; DINGLE, Matthew Edward; KWOK, Eden; TRIPPIT, Barry (74) Phillips Ormonde Fitzpatrick</p>
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B31F 1/24 (2006.01)
B31F 5/04 (2006.01)
C11D 3/386 (2006.01)
C12N 9/28 (2006.01)
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C12Q 1/6844 (2018.01)
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G01V 8/12 (2006.01)
B65H 7/14 (2006.01)
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A61K 31/203 (2006.01)
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A23L 5/10 (2016.01)
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F21S 2/00 (2016.01)
F21Y 115/10 (2016.01)
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A61P 7/00 (2006.01)

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C07D 401/04 (2006.01)
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A61K 31/55 (2006.01)
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C07C 211/44 (2006.01)
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C04B 11/28 (2006.01)
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F16M 13/02 (2006.01)
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A61P 15/00 (2006.01)
C07K 16/24 (2006.01)
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A61P 15/08 (2006.01)
A61K 31/405 (2006.01)
A61K 31/44 (2006.01)
A61K 31/4425 (2006.01)
A61K 31/455 (2006.01)
C07H 19/048 (2006.01)
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B25J 13/08 (2006.01)
B25J 19/02 (2006.01)
G01L 5/16 (2006.01)
G01L 5/22 (2006.01)
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A61F 13/06 (2006.01)
A61F 13/08 (2006.01)
D04B 1/26 (2006.01)
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H01M 4/36 (2006.01)
H01M 4/485 (2010.01)
H01M 4/505 (2010.01)
H01M 4/525 (2010.01)
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G09C 1/00 (2006.01)
G06F 21/55 (2013.01)
H04L 29/06 (2006.01)
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 dium
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 gram, and recording medium
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G06F 21/00 (2013.01)
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H04W 12/08 (2009.01)
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A61M 5/158 (2006.01)
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C12N 15/86 (2006.01)
C12N 9/12 (2006.01)
C12N 15/13 (2010.01)
C12N 15/63 (2006.01)
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C12N 7/00 (2006.01)
C12N 9/22 (2006.01)
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C12Q 1/68 (2018.01)
A61K 38/21 (2006.01)
A61K 39/00 (2006.01)
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G01N 33/573 (2006.01)
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C07F 13/00 (2006.01)
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A61M 31/00 (2006.01)
C12R 1/225 (2006.01)
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A61K 35/74 (2015.01)
A61K 9/14 (2006.01)
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C12N 1/20 (2006.01)
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G01S 17/08 (2006.01)
G01S 17/88 (2006.01)
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A61Q 5/02 (2006.01)
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B65D 21/02 (2006.01)
B65D 25/28 (2006.01)
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H04N 19/117 (2014.01)
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 A62C 37/42 (2006.01)
 A62C 37/48 (2006.01)
 F16K 31/46 (2006.01)
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 (54) Inhibitors of ROR#
 (51) Int. Cl.
 C07D 471/04 (2006.01)
 A61K 31/437 (2006.01)
 A61P 29/00 (2006.01)
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 (54) Inhibitors of ROR gamma
 (51) Int. Cl.
 C07D 471/04 (2006.01)
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 C03C 17/34 (2006.01)
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 A45D 24/04 (2006.01)
 A45D 24/10 (2006.01)
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 G02C 7/02 (2006.01)
 A61F 2/16 (2006.01)
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 ods related thereto
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 C07D 401/04 (2006.01)

A61K 31/506 (2006.01)
 A61P 33/02 (2006.01)
 A61P 33/06 (2006.01)
 C07D 401/14 (2006.01)
 C07D 403/04 (2006.01)
 C07D 403/14 (2006.01)
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 C07D 409/14 (2006.01)
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 WELSCH, Matthew
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 (21) 2018315336 (22) 10.08.2018
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 itation is taking place
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 G01W 1/14 (2006.01)
 G06T 7/11 (2017.01)
 G06T 7/174 (2017.01)
 G06T 7/194 (2017.01)
 G06T 7/254 (2017.01)
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 aliasing detection and mitigation in a light
 detection and ranging (LIDAR) system
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 G01S 7/491 (2006.01)
 G01S 17/89 (2006.01)
 G05D 1/02 (2006.01)
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 (72) SHAND, Mark Alexander
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 passengers for improved stopping analysis
 in autonomous vehicles
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 B60W 30/18 (2012.01)
 B60W 30/14 (2006.01)
 B60W 40/10 (2012.01)
 B60W 50/00 (2006.01)
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 CHEN, Yu-Hsin; EPSTEIN, Michael
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 (54) Identifying unassigned passengers for autonomous vehicles
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 <i>B60W 40/08</i> (2012.01)
 <i>B60W 30/14</i> (2006.01)
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 <i>G05D 1/00</i> (2006.01)
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 (54) Arranging stop locations for autonomous vehicles
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 <i>G06Q 50/30</i> (2012.01)
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 (54) System and method for financial planning, advice and management
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 <i>G06Q 40/00</i> (2012.01)
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 <i>B65D 25/06</i> (2006.01)
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 (54) System for charging aerial vehicles
 (51) Int. Cl.
 <i>B64C 1/00</i> (2006.01)
 <i>B60L 53/12</i> (2019.01)
 <i>B60L 53/16</i> (2019.01)
 <i>B60L 53/30</i> (2019.01)
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 <i>C07D 417/14</i> (2006.01)
 <i>A61K 31/422</i> (2006.01)
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 <i>A61P 1/00</i> (2006.01)
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 <i>A61P 9/10</i> (2006.01)
 <i>C07D 413/12</i> (2006.01)
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 <i>B01D 63/08</i> (2006.01)
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 (51) Int. Cl.
 <i>G16B 20/00</i> (2019.01)
 <i>C12Q 1/6834</i> (2018.01)
 <i>G16B 40/00</i> (2019.01)
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 (72) KIM, Sangwoo; KIM, Junho
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 (54) Improvements in bedding including pushpin securing assembly
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 <i>A47G 9/02</i> (2006.01)
 (87) WO2019/006515
 (31) 2017902678 (32) 07.07.17 (33) AU
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 (54) Method, system and apparatus for optimising energy consumption
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 <i>F24F 11/00</i> (2018.01)
 <i>G06F 1/26</i> (2006.01)
 <i>G06Q 50/06</i> (2012.01)
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 (21) 2018303540 (22) 18.07.2018
 (54) Wave power generation device
 (51) Int. Cl.
 <i>F03B 13/16</i> (2006.01)
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- (54) Method for processing traditional Chinese medicine using calcium-based ion solution and application thereof
- (51) Int. Cl.
A61K 36/00 (2006.01)
A61K 35/618 (2015.01)
- (87) WO2019/024112
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- (72) ZHAO, Jianguo; HE, Zhiqing
- (74) Collison & Co
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- (71) Zoetis Services LLC
- (11) AU-A-2018321760
- (21) 2018321760 (22) 24.08.2018
- (54) A nucleic acid probe, a method of immobilizing the nucleic acid to a solid support using UV light, a solid support comprising an immobilized nucleic acid probes, and a test device comprising a solid support
- (51) Int. Cl.
C12Q 1/6806 (2018.01)
C12Q 1/6837 (2018.01)
C12Q 1/686 (2018.01)
G01N 21/64 (2006.01)
- (87) WO2019/037828
- (31) PA 2017 00464 (32) 25.08.17 (33) DK
- (43) 28.02.2019
- (72) ERIKSEN, Johan; CHIN, Wai Hoe;
 JENSEN SØE, Martin; HELLER, Martin
- (74) FPA Patent Attorneys Pty Ltd
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- (71) Zynerva Pharmaceuticals, Inc.
- (11) AU-A-2018318425
- (21) 2018318425 (22) 13.08.2018
- (54) Methods of treatment of osteoarthritis with transdermal cannabidiol gel
- (51) Int. Cl.
A61K 31/235 (2006.01)
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- (87) WO2019/034985
- (31) 62/545,468 (32) 14.08.17 (33) US
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- (72) MESSENHEIMER, John; TICH, Nancy;
 GUTTERMAN, Donna; CLAUW, Daniel
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2017266577	Power Me Tech Ltd.	2018298154	Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Suzhou Vigonvita Life Sciences Co., Ltd.; Topharman Shanghai Co., Ltd
2017377130	Praaktis Limited	2018298219	K2M, Inc.
2017412551	Taizhou Huali Plastic Co., Ltd.	2018298253	Xuanzhu (Hainan) Biopharmaceutical Co., Ltd.
2017423355	Gonzalez de la Torre, J.	2018298299	Kleeberg, H.
2017423445	GCE Holding AB	2018298413	Fresenius Medical Care Deutschland GmbH
2017423466	N.V. Nutricia	2018298876	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2017423468	Hi-Aspect Limited	2018298884	Immatics Biotechnologies GmbH
2017424920	Razer (Asia-Pacific) Pte. Ltd.	2018299029	Macadar Angier, V.
2017425705	Dow Global Technologies LLC; Rohm and Haas Company	2018299049	Bioclones Proprietary Limited
2017425706	Dow Global Technologies LLC; Rohm And Haas Company	2018299145	Dullinger, H.
2017425813	Zhao, J.	2018299204	Roubos, T.; Petridis, H.
2017426451	Brother Kogyo Kabushiki Kaisha	2018299640	Mauser-Werke GmbH
2017426456	Brother Kogyo Kabushiki Kaisha	2018299890	Gen-Probe Incorporated
2017426470	Brother Kogyo Kabushiki Kaisha	2018300000	Gen-Probe Incorporated
2017426938	National Taiwan Universty; National Cheng Kung University; DCB-USA LLC	2018300002	Fresenius Medical Care Holdings, Inc.
2017427055	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2018300007	Cornell University; Memorial Sloan-Kettering Cancer Center
2017427569	Telefonaktiebolaget LM Ericsson (Publ)	2018300057	3D at Depth, Inc.
2017427609	BAE Systems Information and Electronic Systems Integration Inc.	2018300069	Synthorx, Inc.; The Scripps Research Institute
2017427799	Optos plc	2018300094	Bristol-Myers Squibb Company
2017427858	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2018300157	Ande Corporation
2017427861	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2018300163	Bedgear, LLC
2017428304	Leong, D.	2018300211	Cassellie Ltd
2017428328	Essity Hygiene and Health Aktiebolag	2018300215	Cassellie Ltd
2017428523	ThyssenKrupp Steel Europe AG; ThyssenKrupp AG	2018300218	Galapagos NV; Calchan Limited
2017428589	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2018300240	President and Fellows of Harvard College; Massachusetts Institute of Technology; California Institute of Technology
2017428895	Fuchs Petrolub SE	2018300489	Sony Corporation
2017431788	Rovi Guides, Inc.	2018300622	Braun, M.
2017432728	Eucure (Beijing) Biopharma Co. Ltd.	2018300716	Tyco Electronics Raychem GmbH
2017435102	Halliburton Energy Services, Inc.	2018300717	Tyco Electronics Raychem GmbH
2017436163	Boral IP Holdings (Australia) PTY Limited; Lloyd, R.; Keyte, L.	2018300718	Tyco Electronics Raychem GmbH
2017440344	SC Asset Corporation	2018300886	Sakata Inx Corporation
2018284492	Beijing DIDI Infinity Technology and Development Co., Ltd.	2018300963	Hirotsu Bio Science Inc.; Nanpuh Hospital
2018286596	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	2018300993	Home Tech Innovation, Inc.
2018286616	Beijing Didi Infinity Technology and Development Co., Ltd.	2018301048	Sony Corporation
2018295575	Zavargé Pty Ltd	2018301114	Chengdu Qianniucao Information Technology Co., LTD.
2018295584	9203-5468 Québec Inc. Dba Nmr360	2018301185	Maxwell, D.
2018295914	Senecio Ltd.	2018301281	AMS Trace Metals, Inc.
2018296154	Anvajo GmbH	2018301289	Citrix Systems, Inc.
2018296398	Galapagos NV	2018301379	American Sterilizer Company
2018296667	House, D.	2018301382	American Sterilizer Company
2018297038	Vrtaric, K.	2018301384	American Sterilizer Company
2018297182	Anderson, C.	2018301431	NuBru LLC
2018297195	Anderson, C.	2018301477	Alnylam Pharmaceuticals Inc.; The UAB Research Foundation
2018297262	Arrowhead Pharmaceuticals, Inc.	2018301504	University of Miami
2018297291	Ouster, Inc.	2018301576	Telefield Medical Imaging Limited
2018297311	Dion Sullivan, D.; Joshua Heenan, J.; Roman Akulshin, R.; Eric Crook, E.	2018301577	Telefield Medical Imaging Limited
2018297356	Arizona Board of Regents on Behalf of the University of Arizona	2018301578	Telefield Medical Imaging Limited
2018297378	Schönborn, D.	2018301579	Telefield Medical Imaging Limited
2018297503	Sony Corporation	2018301580	Telefield Medical Imaging Limited
2018297577	Thales	2018301644	Hyper Ice, Inc.
2018297629	Nextlife Wearables Limited	2018301681	Innate Tumor Immunity, Inc.
2018297667	Evolucare Technologies	2018301696	Board of Regents, The University of Texas System
2018297710	Biocon Limited	2018301701	Oncorus, Inc.
2018298116	Osel, Inc.; Statens Serum Institut; Aarhus Universitet; Region Midtjylland	2018301706	Memorial Sloan Kettering Cancer Center
2018298117	Osel, Inc.	2018301710	EControls LLC
		2018301710	Inertech IP LLC
		2018301734	CA Casyso GmbH
		2018301773	L3 Open Water Power, Inc.
		2018301816	Endo-Therapeutics, Inc.
		2018301818	Siren Marine LLC
		2018301822	Alnylam Pharmaceuticals, Inc.
		2018301829	Victaulic Company
		2018301849	Airgo IP LLC
		2018301852	

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2018302022	Roizman, K.	2018309053	Repligen Corporation
2018302984	Gemtier Medical (Jiangsu) Inc.	2018309058	Alastin Skincare, Inc.
2018302991	Chengdu Qianniucuo Information Technology Co., LTD.	2018309148	Freeman Holding, LLC
2018303328	Tunra Ltd.	2018309166	Synthorx, Inc.
2018303387	PyroGenesis Canada Inc.	2018309168	The Regents of the University of California; ExxonMobil Research and Engineering Company
2018303540	Zhang, Y.	2018309172	Synthorx, Inc.
2018303589	Massachusetts Institute of Technology	2018309302	Exel Industries
2018303840	The University of Newcastle	2018309321	BASF SE
2018304168	Vertex Pharmaceuticals Incorporated	2018309432	Entersekt International Limited
2018304194	Spark Therapeutics, Inc.	2018309558	NewSouth Innovations Pty Limited
2018304236	Roadtec, Inc.	2018309563	Trydel Research Pty Ltd
2018304249	Perkinelmer Health Sciences, Inc.	2018309582	Waymo LLC
2018304307	Wing Aviation LLC	2018309710	Lipton, S.
2018304406	Robillard, R.; Robillard, F.	2018309718	SCYNEXIS, Inc.
2018304409	AMRA Medical AB	2018309721	Medos International Sàrl
2018304462	Engineered Propulsion Systems, Inc.	2018309726	Medos International Sàrl
2018304493	Adenium Biotech ApS	2018310024	Tohoku University; Brain Innovation Co., Inc.
2018304508	AstraZeneca AB	2018310071	Green Cross Corporation
2018304533	Brintal Limited	2018310672	Elmer, K.
2018304585	Aptevo Research and Development LLC; Alligator Bioscience AB	2018310743	Pact Group Industries (ANZ) Pty Ltd
2018304607	Gbs Di Beldrighi Graziano	2018310754	Clipex IP Limited
2018304766	Alfa Laval Corporate AB	2018310825	Elemental Engineering AG
2018304963	Kahatapitiya, L.; Kahatapitiya Algama, N.	2018310945	Multi Radiance Medical
2018305900	Welltec A/S	2018310987	Decipher Biosciences, Inc.; The Regents of the University of Michigan
2018306141	Cesaro Mac Import S.r.l.	2018311054	TrellisWare Technologies, Inc.; Urie, M.; McCourt, R.; Köse, C.; Chugg, K.
2018306365	L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procèdes Georges Claude	2018311057	Vitro Flat Glass LLC
2018306455	Oncorus, Inc.	2018311245	Becerril Hernández, G.
2018306517	Macliver, K.	2018311310	Deltatek Oil Tools Limited
2018306520	Achieve Pharma UK Limited	2018311311	Deltatek Oil Tools Limited
2018306577	Nitto Denko Corporation	2018311345	Autolus Limited
2018306664	Terahertz Group Ltd.	2018311377	ViaSat, Inc.
2018306670	Terahertz Group Ltd.	2018311508	Edge Electronics Limited
2018307011	Sanyo Electric Co., Ltd.	2018311553	Graymont (PA) Inc.
2018307012	SANYO Electric Co., Ltd.	2018311573	Solenis Technologies, L.P.
2018307154	Glory Ltd.	2018311684	AbbVie Inc.
2018307425	Jeiko Innovations Oy	2018311812	The Regents of the University of California; ExxonMobil Research and Engineering Company
2018307479	Intra-Cellular Therapies, Inc.	2018311959	Magnuson Products, LLC
2018307480	Intra-Cellular Therapies, Inc.	2018311988	Foldax, Inc.
2018307527	Sanyo Electric Co., Ltd.	2018312099	Ohio State Innovation Foundation
2018307555	Nissan Chemical Corporation	2018312110	BioVentures, LLC
2018307710	Uber Technologies, Inc.	2018312114	Combat Sensel, Llc d/b/a Superherology
2018307726	Tgx Soft Chew, Llc	2018312222	Phanes Therapeutics, Inc.
2018307804	Gowheels, Inc.	2018312224	January Therapeutics, Inc.
2018307919	Vitae Pharmaceuticals, LLC	2018312303	Kuraray Noritake Dental Inc.
2018307928	Vitae Pharmaceuticals, LLC	2018312327	Osaka University
2018307955	Swift Fuels, LLC	2018312543	Elsevier, Inc.
2018307960	The Trustees of Princeton University	2018312558	Spinogenix, Inc.
2018308148	Cricut, Inc.	2018312565	Spark Therapeutics, Inc.
2018308191	Stichting Het Nederlands Kanker Instituut-Antoni Van Leeuwenhoek Ziekenhuis; Academisch Ziekenhuis Leiden	2018312611	Safran Electronics & Defense
2018308192	Nederlandse Organisatie Voor Toegepast- Natuurwetenschappelijk Onderzoek TNO	2018312710	Komatsu Germany GmbH
2018308199	Adherium (NZ) Limited	2018312816	Merus N.V.
2018308331	Nbiotech Co., Ltd.	2018312824	Methven Limited
2018308349	OWA Haircare, Inc.	2018312837	Joint Stock Company Krasnoyarsk Hydropower Plant (JSC Krasnoyarsk HPP)
2018308379	Sea Tel, Inc. (d/b/a) Cobham SATCOM)	2018312896	Haldor Topsøe A/S
2018308702	Unico-first AG.; Zürcher Hochschule für Angewandte Wissenschaften,	2018312912	Hensley Industries, Inc.
2018308710	Better That Pty Ltd	2018312928	American Sterilizer Company
2018308718	Innovative Pet Products Pty Ltd	2018312937	Kultevat, Inc.
2018308827	VSY Biyoteknoloji Ve Ilac San. A.S.	2018312941	Kultevat, Inc.
2018308900	Command Alkon Incorporated	2018312948	Prayon Technologies
2018309004	Cricut, Inc.	2018312983	Snap-on Incorporated
2018309021	Gardner, W.	2018312985	Vyera Pharmaceuticals, LLC
2018309025	Soft Cell Biological Research, LLC	2018313000	Calder Biosciences Inc.
2018309031	Austin Star Detonator Company	2018313090	The University of Akron
2018309035	Rowan Companies, Inc.	2018313117	CiDRA Corporate Services LLC
2018309043	Vertex Pharmaceuticals Incorporated	2018313118	Georgia Tech Research Corporation
2018309049	Ovid Therapeutics Inc.	2018313153	T-Mobile USA, Inc.
		2018313167	Sangamo Therapeutics, Inc.

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

2018313245	Archangel Device LLC	2018315982	Yonsei University, University - Industry Foundation(UIF)
2018313253	The Board of Trustees of the University of Illinois	2018315984	HotaluX, Ltd.
2018313259	Actuate Therapeutics Inc.	2018316057	LG Electronics Inc.
2018313312	CO2Gro, Inc.	2018316175	The Regents of the University of Michigan
2018313320	Rostrum Medical Innovations Inc.	2018316283	Baxter International Inc.; Baxter Healthcare SA
2018313633	Telefonaktiebolaget LM Ericsson (publ)	2018316400	Bobst Mex SA
2018313669	Caterpillar Inc.	2018316436	Nunhems B.V.
2018313708	Illinois Tool Works Inc.; Wnl Concrete Products, LLC	2018316476	Alcresta Therapeutics, Inc.
2018313712	Amgen Inc.	2018316502	BASF SE
2018313713	Baker Hughes, a GE Company, LLC	2018316525	BP Exploration Operating Company Limited
2018313738	Kura Oncology, Inc.	2018316531	Ceva Sante Animale
2018313765	Finch Therapeutics, Inc.	2018316601	NuoDB, Inc.
2018313767	Fluid Handling LLC	2018316603	Children's Medical Center Corporation
2018313784	Curt Manufacturing, LLC	2018316677	Soter Technologies, LLC
2018313808	Ab Initio Technology LLC	2018316734	Oxford University Innovation Ltd.
2018313810	Orionis Biosciences Inc.; Orionis Biosciences NV	2018316853	Rioglass Solar SCH, SL
2018313859	Theracell, Inc.	2018317127	CJ Cheiljedang Corporation
2018313901	Xylem Water Solutions Zelienople LLC	2018317313	General Electric Company
2018313902	The Dun & Bradstreet Corporation	2018317346	Prilenia Neurotherapeutics Ltd.
2018313925	The Texas A & M University System	2018317352	AiViva BioPharma, Inc.; Dan-Shya Tang-Liu, D.
2018313949	Pivot Bio, Inc.	2018317363	Duracell U.S. Operations, Inc.; National Technology & Engineering Solutions of Sandia, LLC
2018313960	The Coca-Cola Company	2018317380	Stepan Company
2018313978	Boston Scientific Neuromodulation Corporation	2018317474	The General Hospital Corporation
2018313979	Uber Technologies, Inc.	2018317483	Austofix Group Limited
2018313989	The Comfort Companies, Inc.	2018317487	Zen Ecosystems IP Pty Ltd
2018313990	University Of Washington; The J. David Gladstone Institutes	2018317492	Carbon Revolution Limited
2018314055	LG Electronics Inc.	2018317495	NewSouth Innovations Pty Limited
2018314077	Samsung Electronics Co., Ltd.	2018317498	Carbon Revolution Limited
2018314147	Baker Hughes, a GE company, LLC	2018317499	Ellex Medical Pty Ltd
2018314163	Blue Spark Technologies, Inc.	2018317813	PGS Geophysical AS
2018314216	University of Utah Research Foundation	2018317934	Modibodi Australia Pty Ltd
2018314239	Bumped, Inc.	2018317940	Carbon Revolution Limited
2018314253	T-Mobile Usa, Inc.	2018317944	Carbon Revolution Limited
2018314256	Bumped, Inc.	2018318001	Becton, Dickinson and Company
2018314271	Uber Technologies, Inc.	2018318006	Duracell U.S. Operations, Inc.; National Technology & Engineering Solutions of Sandia, LLC
2018314280	Unity Biotechnology, Inc.; Buck Institute for Research on Aging	2018318073	Calysta, Inc.
2018314385	HidraMed Solutions Ltd	2018318074	University of Georgia Research Foundation, Inc.
2018314651	Repligen Corporation	2018318075	Allergan, Inc.
2018314863	SMF-Holding GmbH	2018318120	Sekar, C.
2018314932	Nokia Technologies Oy	2018318130	Standard Bariatrics, Inc.
2018314947	Serge Ferrari SAS	2018318132	Seres Therapeutics, Inc.
2018314962	Amoeba	2018318323	BAE Systems Information and Electronic Systems Integration Inc.
2018315034	Kalvista Pharmaceuticals Limited	2018318347	Jiangsu Rotam Chemistry Co., Ltd.
2018315035	Balmoral Comtec Limited	2018318425	Zynerba Pharmaceuticals, Inc.
2018315046	Cobalt Blue Holdings Ltd	2018318672	Dong-A ST Co., Ltd.
2018315048	Commonwealth Scientific and Industrial Research Organisation	2018318854	Shell Internationale Research Maatschappij B.V.
2018315050	ARB Corporation Ltd	2018318950	Composecure, LLC
2018315053	Commonwealth Scientific and Industrial Research Organisation	2018318996	HBI Branded Apparel Enterprises, LLC; Freeman, H.; Szymczyk, M.; Farrell, M.
2018315141	Telefonaktiebolaget LM Ericsson (publ)	2018319016	Ikena Oncology, Inc.
2018315154	Helmholtz-Zentrum für Infektionsforschung GmbH	2018319328	Smixin SA
2018315227	Coopervision International Holding Company, LP	2018319344	Cell Receptor AG
2018315253	Restech S.r.l.; Politecnico di Milano	2018319349	Novozymes A/S
2018315324	Simplivia Healthcare Ltd.	2018319367	BAE Systems plc
2018315336	WaterView srl	2018319372	Morphpackers Limited
2018315394	Universite de Versailles-St Quentin en Yvelines; Assistance Publique - Hopitaux de Paris	2018319504	Della Toffola S.p.A.
2018315395	Euro Meat Group SA	2018319524	Dexcom, Inc.
2018315484	Baylis Medical Company Inc.	2018319538	Gilead Sciences, Inc.
2018315503	Laki Power Ehf	2018319717	Sandvik Intellectual Property AB
2018315622	Griffith University; Queensland University of Technology; Gold Coast Hospital and Health Service	2018320010	Hutchison MediPharma Limited
2018315624	Richardson, R.	2018320086	Planet GDZ AG
2018315625	Genie Lid Pty Ltd	2018320089	Kolmar Korea Co., Ltd.
2018315629	Vaxxas Pty Limited; Junger, M.; Flaim, C.; Fahey, P.; Sweeney, C.; Murugappan, S.; Kelly, P.; Foster, A.	2018320182	Cardiologs Technologies SAS
2018315649	Sakata Inx Corporation	2018320382	Panasonic Intellectual Property Corporation of America
2018315743	Abzero srls	2018320417	Bavarian Nordic A/S
2018315744	3M Innovative Properties Company	2018320420	Wieth, F.; Filosi, A.
2018315813	Japan Cash Machine Co., Ltd.	2018320433	Nippon Telegraph and Telephone Corporation
		2018320434	Nippon Telegraph and Telephone Corporation
		2018320435	Nippon Telegraph and Telephone Corporation

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

2018320524	Ichnos Sciences S.A.	2018326546	SWM Luxembourg Sarl
2018320641	Gelupas GmbH	2018326547	Carbiolice
2018320705	ECP Entwicklungsgesellschaft mbH	2018326617	Io Therapeutics, Inc.
2018320712	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	2018326701	Genesys Telecommunications Laboratories, Inc.
2018320846	Edwards Lifesciences Corporation	2018326711	Dow AgroSciences LLC
2018320870	Salk Institute for Biological Studies	2018326727	SLLP 134 Limited
2018320874	eSAT Global Inc.	2018326739	Balmoral Comtec Limited
2018321008	Nippon Telegraph and Telephone Corporation	2018326754	Laurastar SA
2018321128	ECP Entwicklungsgesellschaft mbH	2018326780	Sarepta Therapeutics, Inc.
2018321134	Max-Delbrück-Centrum für Molekulare Medizin in der Helmholtz-Gemeinschaft	2018326791	The Regents of the University of California
2018321259	Wealth Technologies Inc.	2018326799	ModernaTX, Inc.
2018321264	Gilead Sciences, Inc.	2018326840	M Vest Water AS
2018321306	Avery Dennison Corporation	2018326846	Dainichiseika Color & Chemicals Mfg. Co., Ltd.
2018321335	Biogen MA Inc.	2018326931	The Research Foundation for Microbial Diseases of Osaka University
2018321402	Cubic Corporation	2018327225	Technische Universität München; Fred Hutchinson Cancer Research Center
2018321467	Waymo LLC	2018327229	Fred Hutchinson Cancer Research Center
2018321518	Samsung Electronics Co., Ltd.	2018327253	The Regents of the University of California
2018321546	ACADIA Pharmaceuticals Inc.	2018327588	MJN U.S. Holdings LLC
2018321549	Momentive Performance Materials Inc.	2018328569	BeiGene, Ltd.
2018321557	Exxonmobil Upstream Research Company	2018328627	Maersk Drilling A/S
2018321580	Commonwealth Scientific and Industrial Research Organisation	2018328653	Epiroc Rock Drills Aktiebolag
2018321760	Zoetis Services LLC	2018328733	Shell Internationale Research Maatschappij B.V.
2018321866	R.P. Scherer Technologies, LLC	2018328757	Roberts, A.; Roberts, D.
2018321927	Codiak BioSciences, Inc.	2018329203	Qualcomm Incorporated
2018321972	Nutech Ventures, Inc.	2018329827	ConMed Corporation
2018322154	Netflix, Inc.	2018329900	Suntory Holdings Limited
2018322282	DSM IP Assets B.V.	2018329901	Suntory Holdings Limited
2018322378	Vertical Air Solutions LLC	2018329902	Suntory Holdings Limited
2018322504	Codecom Pty Ltd	2018329903	Suntory Holdings Limited
2018322785	Jennewein Biotechnologie GmbH	2018329920	Amgen Inc.
2018322795	Biotage AB	2018330038	Durastat LLC
2018322807	Chr. Hansen A/S	2018330208	Generation Bio Co.
2018323035	Johnson & Johnson Consumer Inc.	2018330318	Qualcomm Incorporated
2018323519	ConMed Corporation	2018330578	Eisai R&D Management Co., Ltd.
2018323525	Alarm.com Incorporated	2018330840	Seth, R.
2018323613	Cytosorbents Corporation	2018330841	TaiGen Biotechnology Co., Ltd.
2018323652	Samsung Electronics Co., Ltd.	2018331356	Aladdin Manufacturing Corporation
2018323834	Flow-Rite Controls, Ltd.	2018332186	Orofino Pharmaceuticals Group Srl
2018323859	Lancer Corporation	2018332212	Sintetica S.A.
2018323900	Tendyne Holdings, Inc.	2018332246	Konecranes Global Corporation
2018323950	CONMED Corporation	2018332720	Northrop Grumman Systems Corporation
2018323983	Waymo LLC	2018332879	Nantomics, LLC
2018324089	Cubic Corporation	2018332887	Amgen Inc.; Cytokinetics, Inc.
2018324108	Dow AgroSciences LLC	2018333503	BioNTech RNA Pharmaceuticals GmbH; TRON – Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH
2018324122	Percipient.ai Inc.	2018333530	BioNTech Cell & Gene Therapies GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH
2018324302	Systems Spray-Cooled, Inc.	2018333566	Janssen Vaccines & Prevention B.V.
2018324342	Waymo LLC	2018334107	CMP Products Limited
2018324583	Keter Plastic Ltd.	2018334164	CNH Industrial America LLC
2018324628	Suntory Holdings Limited	2018334199	Cytosorbents Corporation
2018324768	Asahi Group Holdings, Ltd.	2018335252	Boehringer Ingelheim Vetmedica GmbH
2018324771	Fuji Oil Holdings Inc.	2018335260	MiTek Corp., Inc.
2018325267	University of Washington	2018335287	Dow AgroSciences LLC
2018325302	SAF-Holland GmbH	2018335566	Chevron U.S.A. Inc.
2018325440	CNH Industrial America LLC	2018335567	Chevron U.S.A. Inc.
2018325520	Far East Bio-Tec Co., Ltd.	2018335585	MiTek Corp., Inc.
2018325524	MTD Products Inc	2018335823	Numab Therapeutics AG
2018325525	MasterCraft Boat Company, LLC	2018336811	MiTek Corp., Inc.
2018325527	MGI Tech Co., Ltd.	2018336821	The NOCO Company
2018325645	Mitsubishi Tanabe Pharma Corporation; Hyogo College Of Medicine	2018337087	Her Majesty The Queen in Right of Canada as Represented by The Minister of Natural Resources
2018326081	Geberit International AG	2018337623	McElroy Manufacturing, Inc.
2018326136	Siemens Mobility GmbH	2018337681	Valneva SE
2018326158	Norse Oiltools AS	2018337741	MiTek Corp., Inc.
2018326211	BASF Coatings GmbH	2018337828	MiTek Corp., Inc.
2018326213	BASF Coatings GmbH	2018338611	Canopy Growth Corporation
2018326243	The NOCO Company	2018338769	SICPA Holding SA
2018326392	Fly Away Brims Pty Ltd		
2018326480	John Mezzalingua Associates, LLC		
2018326544	Chr. Hansen A/S		

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

2018339064	The Regents of the University of California	2019312559	LG Electronics Inc.
2018339247	Sumitomo Metal Mining Co., Ltd.		
2018341830	Synergy Blue, LLC		
2018342007	The Johns Hopkins University; Board of Regents, The University of Texas Systems; The Research Foundation for the State University of New York		
2018342089	Dana-Farber Cancer Institute, Inc.		
2018342472	CNH Industrial America LLC		
2018343872	KBC Groep NV		
2018343981	FrieslandCampina Nederland B.V.		
2018344156	Kilroy, J.		
2018344267	Bruckbauer, W.		
2018344408	Societe des Produits Nestle SA		
2018345168	Sensus Spectrum, LLC		
2018346597	Forma Therapeutics, Inc.		
2018346814	Alcon Inc.		
2018346849	Alcon Inc.		
2018347902	ConMed Corporation		
2018349054	Alcon Inc.		
2018352461	University of Wollongong		
2018352585	Fresenius Medical Care Holdings, Inc.		
2018354342	CNH Industrial America LLC		
2018354513	LG Electronics Inc.		
2018354842	Chevron U.S.A. Inc.		
2018354972	Fresenius Kabi Oncology Ltd.		
2018354998	Epiroc Rock Drills Aktiebolag		
2018355001	Delaval Holding AB		
2018355654	Societe des Produits Nestle S.A.		
2018355656	Societe des Produits Nestle S.A.		
2018355658	Societe Des Produits Nestle S.A.		
2018358243	CNH Industrial America LLC		
2018359328	Epiroc Rock Drills Aktiebolag		
2018359330	Epiroc Rock Drills Aktiebolag		
2018359331	Epiroc Rock Drills Aktiebolag		
2018359467	JFE Steel Corporation		
2018360278	Societe des Produits Nestle S.A.		
2018362203	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.		
2018368439	Applied Medical Resources Corporation		
2018368821	Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences		
2018369591	Numares AG		
2018370704	Guangdong Oppo Mobile Telecommunications Corp., Ltd.		
2018373428	Casale SA		
2018380627	Samsung Electronics Co., Ltd.		
2018384990	Komatsu Ltd.		
2018404665	Massachusetts Institute of Technology		
2018407034	Komatsu Ltd.		
2018407616	Mitsubishi Heavy Industries, Ltd.		
2018408667	Qingdao University of Technology		
2018408796	Multi-Forms Corporation		
2018409723	Mitsubishi Heavy Industries, Ltd.		
2018413312	Plants Laboratory, Inc.		
2018415583	Software Motor Company		
2018416541	Komatsu Ltd.		
2018422761	Intervention for Life, LLC		
2018431391	CRRC Zhuzhou Motor Co., Ltd		
2018431621	Knott, E.		
2019213867	Komatsu Ltd.		
2019221590	Cyrus Creations LLC		
2019222009	The University of Tokyo; Komatsu Ltd.		
2019231480	LG Electronics Inc.		
2019235965	LG Electronics Inc.		
2019244617	Komatsu Ltd.		
2019246096	Komatsu Ltd.		
2019253833	China University of Mining and Technology		
2019255248	Software Motor Company		
2019261738	Graphic Packaging International, LLC		
2019266367	Ecochem Australia Pty Ltd		
2019268193	Cambricon Technologies Corporation Limited		
2019287519	Novelis Inc.		
2019296505	Silhouette International Schmied AG		

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<u>A01B 63 /-</u>	<u>A01M 1 /-</u>	<u>A23C 17 /-</u>	<u>A23L 27 /-</u>	<u>A47J 27 /-</u>	<u>A61B 8 /-</u>
2018325440	2018299029	2018322807 2018326544	2018308702	2018300993	2018301576 2018301577 2018301578 2018301579
<u>A01D 34 /-</u>	<u>A01N 25 /-</u>	<u>A23C 19 /-</u>	<u>A23L 29 /-</u>	<u>A47J 31 /-</u>	<u>A61B 90 /-</u>
2018314863 2018334164 2018342472 2018358243	2018317380 2018318347 2018321549 2018324108 2018326711	2018322807 2018326544	2018343981	2018301431 2018344408	2018303589
<u>A01D 41 /-</u>	<u>A01N 37 /-</u>	<u>A23C 9 /-</u>	<u>A23L 33 /-</u>	<u>A47J 36 /-</u>	<u>A61F 13 /-</u>
2018325440 2018334164	2018335287	2018322807 2018324771 2018326544 2018327588 2018360278	2018308702 2018324768 2018327588 2018343981 2018355654 2018355656 2018355658	2018300993	2017428328 2018297629 2018314385 2018317934
<u>A01D 57 /-</u>	<u>A01N 39 /-</u>	<u>A23D 7 /-</u>	<u>A23L 5 /-</u>	<u>A47K 13 /-</u>	<u>A61F 2 /-</u>
2018354342	2018321549	2018324771	2018300993	2018300211 2018300215 2018315625	2018308827 2018309726 2018311988 2018314216 2018315622 2018320846 2018323900 2018323950 2018329827
<u>A01G 25 /-</u>	<u>A01N 43 /-</u>	<u>A23D 9 /-</u>	<u>A24B 15 /-</u>	<u>A61B 1 /-</u>	<u>A61B 17 /-</u>
2018310825	2018312558 2018318347 2018324108 2018326711 2018335287	2018355656	2018326546	2018318130	2018297182 2018297195 2018298219 2018301818 2018309721 2018309726 2018317483 2018318130 2018320846 2018323519 2018329827 2018330038 2018347902
<u>A01G 31 /-</u>	<u>A01N 47 /-</u>	<u>A23F 5 /-</u>	<u>A41B 9 /-</u>	<u>A61B 3 /-</u>	<u>A61F 5 /-</u>
2018322378	2018318347	2018301431 2018360278	2018317934	2017427799 2018317474 2018346814 2018346849	2018299204 2018301577 2018312928
<u>A01G 7 /-</u>	<u>A01N 57 /-</u>	<u>A23G 1 /-</u>	<u>A41C 3 /-</u>	<u>A61B 34 /-</u>	<u>A61F 7 /-</u>
2018322378 2018413312	2018317380 2018321549 2018326711	2018360278	2018317934	2018317483	2018301644 2018315484
<u>A01H 1 /-</u>	<u>A01N 59 /-</u>	<u>A23G 3 /-</u>	<u>A41D 7 /-</u>	<u>A61B 5 /-</u>	<u>A61F 9 /-</u>
2018316436	2018313312	2018355656	2018317934	2018297629 2018297667 2018300002 2018303589 2018304249 2018306577 2018313320 2018314163 2018315253 2018315484 2018317474 2018319524 2018323613	2018310945 2018317499 2018349054
<u>A01H 5 /-</u>	<u>A01N 63 /-</u>	<u>A23K 10 /-</u>	<u>A42B 1 /-</u>	<u>A61B 5 /-</u>	<u>A61G 13 /-</u>
2018316436	2018314962 2018316603 2018321549	2018322282	2018326392	2018317483	2018312928
<u>A01H 6 /-</u>	<u>A01P 7 /-</u>	<u>A23K 20 /-</u>	<u>A42B 3 /-</u>	<u>A61B 5 /-</u>	<u>A61G 15 /-</u>
2018316436	2018313312	2018322282	2018326392	2018297629 2018297667 2018300002 2018303589 2018304249 2018306577 2018313320 2018314163 2018315253 2018315484 2018317474 2018319524 2018323613	2018313989 2018313989 2018304533 2018313989
<u>A01J 5 /-</u>	<u>A21D 2 /-</u>	<u>A23L 17 /-</u>	<u>A42C 20 /-</u>	<u>A61B 34 /-</u>	<u>A61G 5 /-</u>
2018355001	2018324768 2018329900 2018329901 2018329902 2018329903 2018360278	2018322282	2018298299	2018317483	2018312928
<u>A01K 1 /-</u>	<u>A21D 8 /-</u>	<u>A23L 19 /-</u>	<u>A47C 7 /-</u>	<u>A61B 5 /-</u>	<u>A61G 7 /-</u>
2018310754	2017423355	2018355656	2018299204	2018297629 2018297667 2018300002 2018303589 2018304249 2018306577 2018313320 2018314163 2018315253 2018315484 2018317474 2018319524 2018323613	2018313989
<u>A01K 11 /-</u>	<u>A22B 3 /-</u>	<u>A23L 2 /-</u>	<u>A47G 9 /-</u>	<u>A61B 6 /-</u>	<u>A61H 1 /-</u>
2018303589	2018315395	2018324768 2018329900 2018329901 2018329902 2018329903 2018360278	2018295575 2018300163	2018422761	2018298299
<u>A01K 43 /-</u>	<u>A23C 13 /-</u>	<u>A23L 23 /-</u>			<u>A61H 1 /-</u>
2018306664	2018322807 2018326544	2018355654 2018355656 2018355658			2018299204
<u>A01K 5 /-</u>					<u>A61H 23 /-</u>
2018308718					2018301644
<u>A01K 63 /-</u>					
2018295914					

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<u>A61J 1/-</u>	2018326617	2018321134	<u>A61M 1/-</u>	2018339064	2018352461
	2018326780	2018321335			2018354972
2018301773	2018328569	2018325645	2018298413	<u>A61P 19/-</u>	<u>A61P 37/-</u>
2018315324	2018329920	2018327225	2018320705		
2018316283	2018330578	2018327229	2018321128	2018324768	2018300094
2018316476	2018332212	2018333566	2018334199	<u>A61P 21/-</u>	2018301681
2018332186	2018338611	2018335252	2018352585		2018320010
	2018339064	2018337681		2018300094	2018328569
<u>A61J 15/-</u>	2018342089	<u>A61K 41/-</u>	<u>A61M 11/-</u>		
	2018354972			<u>A61P 25/-</u>	<u>A61P 43/-</u>
2018316476	<u>A61K 33/-</u>	2018320524	2018308199		
<u>A61J 7/-</u>		<u>A61K 45/-</u>	<u>A61M 15/-</u>	2017423466	2018310024
	2018352461			2018300218	2018320010
2018316476	<u>A61K 35/-</u>	2018308191	2018308199	2018306520	
<u>A61J 9/-</u>		2018309049	<u>A61M 16/-</u>	2018308191	<u>A61P 7/-</u>
	2017425813	2018309710		2018310024	
2018332186	2018297356	2018310987	2018315253	2018312558	2018298253
	2018298116	2018312565	<u>A61M 21/-</u>	2018316175	2018320010
<u>A61K 31/-</u>	2018298117	2018313738		2018317346	<u>A61P 9/-</u>
	2018299049	2018317352	2018314216	2018321546	
2017423466	2018301773	2018319344	<u>A61M 25/-</u>	2018325267	2018297356
2017423468	2018304194	2018325645		2018330578	2018298253
2018296398	2018306455	<u>A61K 47/-</u>	2018318001	<u>A61P 27/-</u>	2018300094
2018297262	2018312110				2018300218
2018298154	2018313167	2017423468		2018314280	2018308191
2018298253	2018315394	2018302022	<u>A61M 31/-</u>	2018323035	<u>A61Q 17/-</u>
2018300007	2018316603	2018315034			
2018300094	2018318132	2018315154	2018298116	<u>A61P 29/-</u>	2017423468
2018300218	2018325520	2018325645	<u>A61M 37/-</u>		<u>A61Q 19/-</u>
2018301477	2018326791	2018326846		2018296398	<u>A61Q 19/-</u>
2018301681	<u>A61K 36/-</u>	2018332212	2018312099	2018300094	2018309058
2018301696		2018352461	<u>A61M 5/-</u>	2018307919	2018320089
2018301829	2017425813	<u>A61K 48/-</u>		2018307928	2018326846
2018302022	2018323035		2018302984	2018318075	<u>A61Q 5/-</u>
2018304168	<u>A61K 38/-</u>	2018304194	2018312099	2018320010	
2018304508		2018312565	<u>A61N 1/-</u>	<u>A61P 3/-</u>	2018308349
2018306520	2018302022	2018327253			
2018307479	2018304493	<u>A61K 8/-</u>	<u>A61N 1/-</u>	2018298253	<u>A62B 18/-</u>
2018307480	2018309058			2018310024	
2018307919	2018309166	2017423468	2018313978	<u>A61P 31/-</u>	2018296667
2018307928	2018309172	2018308349	2018315484		
2018308191	2018312110	2018313859	<u>A61N 5/-</u>	2018298117	<u>A62B 35/-</u>
2018309025	2018312565	2018320089		2018308191	
2018309049	2018313253	2018326846	2018310945	2018309718	2018315744
2018309558	2018313810	<u>A61K 9/-</u>	2018314216	2018312110	<u>A62C 37/-</u>
2018309710	2018314280		<u>A61P 1/-</u>	2018315394	
2018309718	2018318074	2018298117		2018315629	2018301849
2018310024	2018318672	2018302022	<u>A61P 1/-</u>	2018316734	<u>A63B 21/-</u>
2018311684	2018321927	2018303589		2018333566	
2018312224	2018325645	2018307726	<u>A61P 11/-</u>	<u>A61P 33/-</u>	2018301185
2018312558	2018326791	2018309049			
2018312985	<u>A61K 39/-</u>	2018312099	2018304168	2018312985	<u>A63B 24/-</u>
2018313259		2018313990	2018316175	<u>A61P 35/-</u>	2018320712
2018313738	2017432728	2018315034	<u>A61P 15/-</u>		
2018313925	2018298117	2018316531		2017432728	<u>A63B 69/-</u>
2018313990	2018302022	2018321927	2018298154	2018300094	
2018315034	2018303589	2018323035	2018304508	2018300218	2018301185
2018316175	2018304194	2018326799	2018309025	2018301681	
2018316531	2018304585	2018332212	2018309558	2018304585	<u>A63B 71/-</u>
2018317346	2018308191	<u>A61L 27/-</u>	2018309718	2018313259	
2018318075	2018310987		2018309718	2018316175	2018320712
2018318425	2018313000	2018297356	2018317352	2018319344	<u>A63F 13/-</u>
2018319016	2018313738	2018313090	2018325645	2018319538	
2018319344	2018313810	2018315629	<u>A61P 17/-</u>	2018320010	2017424920
2018319538	2018313810	2018316734		2018321264	2018341830
2018320010	2018321546	2018320417	2018318075	2018328569	
2018321264	2018323035	2018320524		2018329920	
2018321546	2018324768				
2018323035	2018325267				

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<u>A63H 13 /-</u>		<u>B21B 27 /-</u>	<u>B28C 7 /-</u>	<u>B32B 5 /-</u>	<u>B60D 1 /-</u>
2018312114	<u>B01J 20 /-</u>	2019287519	2017436163	2018315035	2018325302
	2018309168		2018431621		
<u>B01D 11 /-</u>	2018311812	<u>B21B 45 /-</u>			<u>B60K 17 /-</u>
2018308702	2018314651	2019287519	<u>B28D 1 /-</u>	<u>B33Y 30 /-</u>	2018328757
			2018304236	2018317313	
<u>B01D 15 /-</u>	<u>B01J 8 /-</u>	<u>B21D 26 /-</u>			<u>B60K 23 /-</u>
2018314651	2018373428	2018319367	<u>B29C 31 /-</u>	<u>B33Y 70 /-</u>	2018328757
2018322795			2018431621	2018317313	
	<u>B01L 3 /-</u>	<u>B21D 47 /-</u>			<u>B60L 50 /-</u>
<u>B01D 19 /-</u>	2018299890	2018319367	<u>B29C 41 /-</u>	<u>B41J 2 /-</u>	2018336821
2018318073	2018301773		2018311988	2017426451	2018359330
	2018325527	<u>B21D 53 /-</u>		2017426456	2018359331
		2018319367	<u>B29C 44 /-</u>	2017426470	
<u>B01D 21 /-</u>	<u>B01L 7 /-</u>		2018315035	2018300886	<u>B60L 53 /-</u>
2018312937	2018299890	<u>B22F 3 /-</u>		2018315649	
	2018300000	2018298219	<u>B29C 45 /-</u>	<u>B41M 5 /-</u>	2018304307
<u>B01D 29 /-</u>	<u>B01L 9 /-</u>	2018317313	2018317498	2018300886	<u>B60N 2 /-</u>
2018309053	2018299890	<u>B22F 9 /-</u>	2018317944	2018315649	2018306517
		2018303387	<u>B29C 61 /-</u>	<u>B42D 25 /-</u>	2018312928
<u>B01D 33 /-</u>	<u>B03B 9 /-</u>		2018300716	2018338769	<u>B60P 1 /-</u>
2018303840	2018306141	<u>B23H 3 /-</u>	2018300717		2018304607
		2018301281	2018300718	<u>B44F 9 /-</u>	
<u>B01D 35 /-</u>	<u>B03C 1 /-</u>		<u>B29C 64 /-</u>	2018324583	<u>B60P 3 /-</u>
2018304406	2018309321	<u>B25J 11 /-</u>	2018298219		2018304607
		2018311245	2018317313	<u>B60B 1 /-</u>	<u>B60P 7 /-</u>
<u>B01D 45 /-</u>	<u>B03D 1 /-</u>	<u>B25J 13 /-</u>		2018317498	2018307425
2018308192	2018303328	2018317495	<u>B29C 65 /-</u>	<u>B60B 21 /-</u>	<u>B60Q 1 /-</u>
2018312896			2018300716	2018317940	2018323525
	<u>B05B 1 /-</u>	<u>B25J 15 /-</u>	2018300717		
<u>B01D 46 /-</u>	2018312824	2018311245	2018300718	<u>B60B 23 /-</u>	<u>B60R 11 /-</u>
2018311553	2018319328	2018317495		2018317492	2018337828
2018312896			<u>B29C 70 /-</u>	<u>B60B 3 /-</u>	<u>B60R 25 /-</u>
	<u>B05B 15 /-</u>	<u>B25J 19 /-</u>	2018317498	2018317492	2018321402
<u>B01D 50 /-</u>	2018320641	2018317495	2018317940	2018317944	<u>B60R 11 /-</u>
2018312896			2018317944		2018337828
	<u>B05B 7 /-</u>	<u>B25J 9 /-</u>	<u>B29C 73 /-</u>	<u>B60B 30 /-</u>	<u>B60R 25 /-</u>
<u>B01D 53 /-</u>	2018320641	2018311245	2018309563	2018307804	2018321402
2018306365	2018326211	2018312611		<u>B60B 33 /-</u>	<u>B60T 7 /-</u>
2018309168	2018326213	<u>B26D 1 /-</u>	<u>B31F 1 /-</u>	2018307804	2018313784
2018311553	2018326213	2018308148	2019266367	<u>B60B 5 /-</u>	<u>B60W 10 /-</u>
	2018334107			2018307804	2018315050
<u>B01D 63 /-</u>	<u>B05C 17 /-</u>	<u>B26D 5 /-</u>	<u>B31F 5 /-</u>	<u>B60B 5 /-</u>	<u>B60W 30 /-</u>
2018313901	2018318120	2018308148	2019266367	2018317492	2018321467
2018404665	2018326211			2018317498	2018323983
	2018326213	<u>B26D 7 /-</u>	<u>B32B 27 /-</u>	2018317940	
<u>B01D 71 /-</u>	2018334107	2018308148	2017412551	2018317944	<u>B60W 40 /-</u>
2018313901			2018304406		2018321467
	<u>B07B 1 /-</u>	<u>B26F 1 /-</u>	2018315035	<u>B60C 23 /-</u>	2018323983
<u>B01F 3 /-</u>	2018306141	2018318120	2018408796	2018301852	2018325302
2018303328		<u>B28C 5 /-</u>	<u>B32B 37 /-</u>	<u>B60C 29 /-</u>	<u>B60W 50 /-</u>
2018313859	<u>B08B 13 /-</u>	2018431621	2018321306	2018309563	
	2019266367				2018321467
<u>B01F 5 /-</u>	<u>B08B 3 /-</u>		<u>B32B 38 /-</u>		2018323983
2018303328	2019266367		2018321306		
2018431621					
	<u>B09B 5 /-</u>				
<u>B01J 19 /-</u>	2018306141				
2018299890					
2018300000					

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<u>B61L 15 /-</u>	<u>B65D 25 /-</u>	<u>B81C 3 /-</u>	<u>C04B 40 /-</u>	<u>C07D 215 /-</u>	<u>C07D 417 /-</u>
2018326136	2018310743 2018320420	2018325527	2017436163	2018318075	2018297710 2018298253 2018300094 2018312985 2018321546 2018332887
<u>B61L 27 /-</u>	<u>B65D 47 /-</u>	<u>B81C 99 /-</u>	<u>C05F 11 /-</u>	<u>C07D 231 /-</u>	
2018326136	2018312303 2018323859	2018325527	2018313949	2018300094	
<u>B62D 55 /-</u>	<u>B65D 5 /-</u>	<u>B82Y 10 /-</u>	<u>C07B 59 /-</u>	<u>C07D 239 /-</u>	<u>C07D 451 /-</u>
2018312710	2019261738	2018300240	2018312327	2018298154	2018321546
<u>B62K 23 /-</u>	<u>B65D 65 /-</u>	<u>C01B 25 /-</u>	<u>C07C 211 /-</u>	<u>C07D 277 /-</u>	<u>C07D 471 /-</u>
2018304533	2018408796	2018312948	2018310024 2018318075 2018326617	2018312558	2018296398 2018300218 2018306520 2018307919 2018307928 2018319538 2018320010 2018329920 2018346597
<u>B62L 3 /-</u>	<u>B65D 77 /-</u>	<u>C01B 3 /-</u>	<u>C07C 215 /-</u>	<u>C07D 307 /-</u>	
2018304533	2018299640	2018328733	2018310024	2018318075	
<u>B63B 1 /-</u>	<u>B65D 81 /-</u>	<u>C02F 1 /-</u>	<u>C07C 233 /-</u>	<u>C07D 309 /-</u>	
2018325525	2018334107	2018304406 2018326840	2018310024	2018315154	
<u>B63B 32 /-</u>	<u>B65D 85 /-</u>	<u>C02F 101 /-</u>	<u>C07C 237 /-</u>	<u>C07D 317 /-</u>	<u>C07D 487 /-</u>
2018325525	2018344408	2018326840	2018310024	2018316502	2018300218 2018319538 2018321264 2018328569 2018354972
<u>B63B 35 /-</u>	<u>B65G 27 /-</u>	<u>C03C 17 /-</u>	<u>C07C 251 /-</u>	<u>C07D 333 /-</u>	
2018310672 2018328627	2018303840	2018311057	2018307555	2018318075	
<u>B63B 39 /-</u>	<u>B65G 63 /-</u>	<u>C04B 103 /-</u>	<u>C07C 271 /-</u>	<u>C07D 401 /-</u>	<u>C07D 491 /-</u>
2018325525 2018326727	2018332246	2017436163	2018310024	2018296398 2018300094 2018301681 2018312985 2018319016 2018321546 2018324108 2018332887 2018346597	2018300094
<u>B63H 25 /-</u>	<u>B65H 5 /-</u>	<u>C04B 11 /-</u>	<u>C07C 275 /-</u>	<u>C07D 401 /-</u>	<u>C07D 495 /-</u>
2018328627	2018315813	2018431621	2018310024		2018300094 2018330578
<u>B63J 99 /-</u>	<u>B65H 7 /-</u>	<u>C04B 14 /-</u>	<u>C07C 311 /-</u>	<u>C07D 403 /-</u>	<u>C07D 498 /-</u>
2018309035	2018307154	2017436163 2018431621	2018310024	2018310024	2018313259
<u>B64C 1 /-</u>	<u>B65H 9 /-</u>	<u>C04B 16 /-</u>	<u>C07C 323 /-</u>	<u>C07D 403 /-</u>	<u>C07D 519 /-</u>
2018304307 2018409723	2018315813	2018431621	2018310024	2018296398 2018300094 2018312985 2018321546 2018332887	2018300094
<u>B64C 39 /-</u>	<u>B66C 1 /-</u>	<u>C04B 18 /-</u>	<u>C07C 63 /-</u>	<u>C07D 405 /-</u>	<u>C07F 13 /-</u>
2018315743 2018318323	2018313708	2017436163	2018326617	2018312327	
<u>B64D 27 /-</u>	<u>B67D 1 /-</u>	<u>C04B 20 /-</u>	<u>C07D 207 /-</u>	<u>C07F 7 /-</u>	
2018409723	2018313960 2018323859	2018299145	2018309043 2018332887	2018296398 2018301681 2018312985 2018321546 2018332887	2018321549
<u>B65B 3 /-</u>	<u>B81B 1 /-</u>	<u>C04B 22 /-</u>	<u>C07D 209 /-</u>	<u>C07F 9 /-</u>	
2018321866	2018325527	2017436163 2018431621	2018313925 2018332887	2018352461	
<u>B65B 7 /-</u>	<u>B81B 3 /-</u>	<u>C04B 24 /-</u>	<u>C07D 211 /-</u>	<u>C07H 1 /-</u>	
2018321866	2018325527	2017436163	2018321546 2018330841	2018296398 2018301681 2018312985 2018321546	2018322785 2018343981
<u>B65D 1 /-</u>	<u>B81B 7 /-</u>	<u>C04B 28 /-</u>	<u>C07D 213 /-</u>	<u>C07D 413 /-</u>	<u>C07H 17 /-</u>
2018324628	2018325527	2017436163 2018299145	2018310024 2018354972	2018298253 2018301696 2018312985 2018316175 2018332887	2018309025
<u>B65D 21 /-</u>	<u>B81C 1 /-</u>	<u>C04B 38 /-</u>			<u>C07H 19 /-</u>
2018310743	2018325527	2018431621			2018309558

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<u>C07H 21 /-</u>	<u>C08B 15 /-</u>	<u>C11B 1 /-</u>	2018316603 2018327229 2018333503 2018333530	<u>C22B 23 /-</u>	<u>D06F 75 /-</u>
2018313765	2018326846	2018308702 2018319349		2018315046 2018339247	2018326754
<u>C07H 3 /-</u>	<u>C08B 37 /-</u>	<u>C11D 3 /-</u>	<u>C12N 7 /-</u>	<u>C22B 3 /-</u>	<u>D06N 7 /-</u>
2018322785 2018343981	2018326846	2019266367	2018304194 2018306455 2018313000 2018326931 2018337681	2018295584 2018315046 2018339247	2018331356
<u>C07K 1 /-</u>	<u>C08F 2 /-</u>	<u>C12C 13 /-</u>	<u>C12N 9 /-</u>	<u>C22B 7 /-</u>	<u>D06P 1 /-</u>
2018310071 2018321927	2017425705	2018304766	2017426938 2018301504 2018301701 2018306455 2018313253 2018317127 2018318074 2018320870 2018326547 2018327253 2019266367	2018339247	2018315649 2018318996
<u>C07K 14 /-</u>	<u>C08F 212 /-</u>	<u>C12C 3 /-</u>	<u>C12P 13 /-</u>	<u>C22C 38 /-</u>	<u>D06P 5 /-</u>
2017426938 2018304493 2018307960 2018309166 2018309172 2018310071 2018311345 2018312110 2018312565 2018313765 2018313949 2018314651 2018318672 2018321134 2018321580 2018326791 2018327225 2018327229 2018327253 2018333530 2018335252	2017425705	2018304766	2018301379 2018301382 2018301384 2018301773 2018309053 2018318073	2017428523 2018359467	2018315649 2018318996
	<u>C08G 63 /-</u>	<u>C12C 5 /-</u>	<u>C12P 19 /-</u>	<u>C23C 14 /-</u>	<u>D06Q 1 /-</u>
	2018313090	2018304766	2018317127	2018312837 2018316853	2018309004
	<u>C08H 8 /-</u>	<u>C12G 1 /-</u>	<u>C12P 21 /-</u>	<u>C23C 28 /-</u>	<u>D21F 1 /-</u>
	2018313090	2018319504	2018313765 2018343981	2018316853	2019266367
	<u>C08J 3 /-</u>	<u>C12M 1 /-</u>	<u>C12Q 1 /-</u>	<u>C25B 1 /-</u>	<u>D21H 17 /-</u>
	2018312941	2018301379 2018301382 2018301384 2018301773 2018309053 2018318073	2018313765 2018343981	2018301816	2018311573
	<u>C08L 27 /-</u>	<u>C12N 1 /-</u>	<u>C12P 19 /-</u>	<u>C25C 1 /-</u>	<u>D21H 19 /-</u>
	2017412551	2018298117 2018313949 2018315394 2018316603 2018325520	2018313765 2018343981	2018295584 2018301281	2017425705 2018408796
	<u>C08L 67 /-</u>	<u>C12N 15 /-</u>	<u>C12Q 1 /-</u>	<u>C25D 3 /-</u>	<u>D21H 21 /-</u>
	2018326547	2017432728 2018297262 2018300069 2018301477 2018301504 2018301701 2018304194 2018306455 2018309166 2018309172 2018311345 2018313167 2018313949 2018315053 2018317127 2018320870 2018321927 2018325645 2018326780 2018330208 2018333503 2018333530 2018335252	2018300069	2018301281	2018311573 2018408796
<u>C07K 16 /-</u>	<u>C09D 11 /-</u>	<u>C12N 15 /-</u>	<u>C12R 1 /-</u>	<u>C25F 7 /-</u>	<u>D21H 23 /-</u>
2017432728 2018298884 2018304585 2018310987 2018312222 2018312816 2018320524 2018321134 2018321335 2018325645 2018327225 2018327229 2018335823	2018300886 2018315649	2017432728 2018297262 2018300069 2018301477 2018301504 2018301701 2018304194 2018306455 2018309166 2018309172 2018311345 2018313167 2018313949 2018315053 2018317127 2018320870 2018321927 2018325645 2018326780 2018330208 2018333503 2018333530 2018335252	2018296154 2018299890 2018300000 2018300007 2018301379 2018301382 2018301384 2018301504 2018301773 2018308331 2018309025 2018310987 2018313810 2018315982 2018316436 2018321580 2018321760 2018342007	2018301281	<u>D21H 23 /-</u>
	<u>C09D 127 /-</u>	<u>C12N 15 /-</u>	<u>C12R 1 /-</u>	<u>D03D 15 /-</u>	<u>E01C 23 /-</u>
	2018321306	2017432728 2018297262 2018300069 2018301477 2018301504 2018301701 2018304194 2018306455 2018309166 2018309172 2018311345 2018313167 2018313949 2018315053 2018317127 2018320870 2018321927 2018325645 2018326780 2018330208 2018333503 2018333530 2018335252	2018296154 2018299890 2018300000 2018300007 2018301379 2018301382 2018301384 2018301504 2018301773 2018308331 2018309025 2018310987 2018313810 2018315982 2018316436 2018321580 2018321760 2018342007	2018309302	2018304236
	<u>C09D 133 /-</u>	<u>C12N 15 /-</u>	<u>C12R 1 /-</u>	<u>D04B 1 /-</u>	<u>E01F 15 /-</u>
	2017425706	2017432728 2018297262 2018300069 2018301477 2018301504 2018301701 2018304194 2018306455 2018309166 2018309172 2018311345 2018313167 2018313949 2018315053 2018317127 2018320870 2018321927 2018325645 2018326780 2018330208 2018333503 2018333530 2018335252	2018296154 2018299890 2018300000 2018300007 2018301379 2018301382 2018301384 2018301504 2018301773 2018308331 2018309025 2018310987 2018313810 2018315982 2018316436 2018321580 2018321760 2018342007	2018297629 2018300163	2018321972
	<u>C09D 5 /-</u>	<u>C12N 15 /-</u>	<u>C12R 1 /-</u>	<u>D06C 15 /-</u>	<u>E02D 13 /-</u>
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C21D 9/60 (2006.01)
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B23K 103/10 (2006.01)
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 C07D 401/14 (2006.01)
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 C07D 405/14 (2006.01)
 C07D 409/12 (2006.01)
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A61P 3/00 (2006.01)
A61P 29/00 (2006.01)
C07C 57/58 (2006.01)
C07D 213/64 (2006.01)
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C08L 1/02 (2006.01)
D21H 17/24 (2006.01)
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2014316688	Sofar S.p.A.	2015261239	Verona Pharma PLC
2014317035	AB2 Bio SA	2015262976	AMO Groningen B.V.
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2014329412	Harrow IP, LLC	2015264021	Allergan, Inc.
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2014354947	Eagle View Technologies, Inc.	2015268761	Schneider Electric IT Corporation
2014359195	Galderma Research & Development	2015270456	Evoqua Water Technologies LLC
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2014368997	Avigilon Fortress Corporation	2015274317	Oren Technologies, LLC
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2014369422	Loughborough University	2015274875	Neuroolutions, Inc.
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2014386696	Synaptive Medical (Barbados) Inc.	2015276393	InterDigital VC Holdings, Inc.
2014396421	Matsui, T.	2015276993	Google LLC
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2015201089	Ainsworth Game Technology Limited	2015278239	ASAP BreatheAssist Pty Ltd
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2015294103	Bayer Animal Health GmbH	2016201227	Covidien LP
2015296289	Medivation Technologies, Inc.	2016201242	Oticon Medical A/S
2015298348	Stora Enso Oyj	2016201342	Starmark Pet Products, Inc.
2015299149	Nuevolution A/S	2016202266	Covidien LP
2015301462	L.E.A.F. Holdings Group LLC	2016202721	Pall Corporation
2015301845	University of Southern California; The Medical College of Wisconsin, Inc.	2016204075	THALES
2015302412	IHC Holland IE B.V.	2016204089	The Boeing Company
2015305830	DFINE, Inc.	2016204383	The Boeing Company
2015312012	Ab Initio Technology LLC	2016204822	Santos, J.
2015312029	Solenis Technologies, L.P.	2016204899	Ducati Motor Holding S.p.A.
2015314772	Pellfibre Pharmaceuticals, Inc.	2016204933	Professional Compounding Centres of America (PCCA); Best Pet RX IP, Inc.
2015314994	KCI Licensing, Inc.	2016205050	Axonics Modulation Technologies, Inc.
2015315069	Pepsico, Inc.	2016205187	The Board of Trustees of the University of Illinois
2015315108	Iasis Molecular Sciences; Vachon, D.; Nordal, S.; Walters, D.	2016205934	BAE Systems Plc
2015315166	Spinal Elements, Inc.	2016206238	The Boeing Company
2015315199	Unum Therapeutics	2016206743	Covidien LP
2015315695	WhatsApp Inc.	2016208472	Mega Windforce IP BV I/O
2015316499	Microbide Limited	2016209324	IGM Biosciences, Inc.
2015318540	Armacell Enterprise GmbH & Co. KG	2016211483	PlanetAir Turf Products, LLC
2015320873	Qbo Coffee GmbH	2016212320	Société des Produits Nestlé S.A.
2015323816	CommScope Connectivity Belgium BV	2016212721	Ivenix, Inc.
2015323843	B. Braun Melsungen AG	2016213103	Sumitomo Metal Mining Co., Ltd.
2015325279	Daiichi Sankyo Company, Limited; National Cancer Center	2016213929	Piramal Enterprises Limited
2015330970	SubCool Technologies Pty Ltd	2016214075	Acergy France SAS
2015333592	Chroma Australia Pty Limited	2016214118	Acergy France SAS
2015335233	NV Bekaert SA	2016215597	Honeywell International Inc.
2015336162	Bedford Systems LLC	2016217936	UAV Engines Ltd
2015339332	Chevron U.S.A. Inc.	2016219239	T.F.H. Publications, Inc.
2015339825	United States Gypsum Company	2016220117	Visa International Service Association
2015341447	Suez International; Terranova Energy GMBH	2016220298	ATI, Inc.
2015341779	Bayer Pharma Aktiengesellschaft	2016220905	Kabushiki Kaisha Yakult Honsha
2015342021	Bayer Pharma Aktiengesellschaft	2016223419	Bracco Imaging SpA
2015343590	Omega Flex, Inc.	2016223870	Beiersdorf AG
2015344775	Align Technology, Inc.	2016224006	VaxNewMo LLC
2015346021	Siegel, J.	2016224128	Cura Global Health (BVI) Limited
2015348010	Enzymotec Ltd.	2016227483	Elogab, O.
2015348618	Saint-Gobain Placo	2016231828	CMA Macchine per Caffè S.r.l.
2015350244	MIMedx Group, Inc.	2016232528	Hermann Bock GmbH
2015351723	Hitachi Zosen Corporation	2016233608	Enlighted, Inc.
2015352117	Polynt Composites France	2016235432	Glaukos Corporation
2015353720	The United States of America, as Represented by The Secretary, Department of Health and Human Services	2016238639	Parkside Flexibles (Europe) Limited
2015354357	FireRein Inc.	2016240011	Salupont Consulting Ltd
2015355220	Ignyta, Inc.	2016243141	Pylon Manufacturing Corp.
2015355332	Benjamin Moore & Co.	2016243239	DePuy Synthes Products, Inc.
2015357638	Qbo Coffee GmbH	2016247481	Becton Dickinson Rowa Germany GmbH
2015360095	Advenchen Laboratories Nanjing Ltd; Chia Tai Tianqing Pharmaceutical Group Co., Ltd.	2016249889	Medtronic Xomed, Inc.
2015362001	Spanset Inter AG	2016250143	Taylor Kerr (Couplings) Limited
2015362088	Idim Pty Ltd	2016250976	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.
2015362964	Alcon Inc.	2016251957	DosentRX Ltd
2015364404	AeroVironment, Inc.	2016259726	BioNTech Cell & Gene Therapies GmbH; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg- Universität Mainz gGmbH
2015365471	Luigi Lavazza S.p.A.	2016259862	Normet International Ltd.
2015365566	Dexcel Pharma Technologies Ltd.	2016260911	Janssen Pharmaceutica NV
2015365602	Cancer Research Technology Limited	2016261464	Croda, Inc.
2015366142	EasySoda Finland Oy	2016263472	Idorsia Pharmaceuticals Ltd
2015366301	Société des Produits Nestlé S.A.	2016264077	Sharp Kabushiki Kaisha
2015366430	Nobel Biocare Services AG	2016270295	Covidien LP
2015366600	Vetco Gray Scandinavia AS	2016275569	The University of Sydney
2015367486	Nippon Steel Corporation; Vallourec Oil and Gas France	2016276284	Wix.com Ltd
2015371599	Casale SA	2016277357	Akzo Nobel Chemicals International B.V.
2015372382	Honey Bee Manufacturing Ltd.	2016280867	OPKO Biologics Ltd.
2015374039	Delta T Corporation	2016281981	Tipa Corp. Ltd.
2015378716	Sip Solutions Sdn Bhd	2016282475	Pellenc (Société Anonyme)
2015388475	Lim, L.	2016283538	Zoetis Services LLC
2015390007	Kimberly-Clark Worldwide, Inc.	2016284940	Stora Enso Oyj
2015392115	Tecmen Electronics Co., Ltd.	2016285656	Neurad Ltd.
2015397197	Facebook, Inc.		

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2016286027	Glytech, Inc.	2017269693	Hussmann Corporation
2016286280	Suez Groupe	2017274289	ExxonMobil Upstream Research Company
2016286388	Philip Morris Products S.A.	2017276207	Merus N.V.
2016287365	Xeda International S.A.	2017276604	F. Hoffmann-La Roche AG
2016289902	Shanghai E-Blot Photoelectric Technology Co., Ltd	2017278424	Shibaura Institute Of Technology; JX Nippon Mining & Metals Corporation
2016291866	Bigaran S.r.l.	2017279602	Cibus Europe B.V.
2016294131	7Tunnels, Inc.	2017279662	Chugai Seiyaku Kabushiki Kaisha
2016294269	Samsung Electronics Co., Ltd.	2017279665	Dow AgroSciences LLC
2016294894	Max Co., Ltd.	2017279705	KUNG, B.; SPANIER, G.; DOWLING, R.; GRATZ, E.; SIESS, T.; HASTIE, C.; SPENCE, P.; Abiomed, Inc.
2016296919	Iveco Magirus AG	2017284517	Canon Kabushiki Kaisha
2016301932	Yoo Young Pharm. Co., Ltd.	2017293748	Dongbang Medical Co., Ltd.
2016303432	Dornoch Medical Systems, Inc.	2017297104	LG Electronics Inc.
2016306711	The Brain Protection Company Pty Ltd	2017298750	NEC Platforms, Ltd.
2016308447	M&R Printing Equipment, Inc.	2017299652	Jining Jinxiang Technology Development Co., Ltd.
2016314061	Mastercard Technologies Canada ULC	2017300427	Kureha Corporation
2016322891	Huntsman Petrochemical LLC	2017301106	Prism Surgical Designs Pty Ltd
2016324846	University-Industry Cooperation Group of Kyung Hee University	2017308071	Cardiac Pacemakers, Inc.
2016329572	Jichi Medical University; Otsuka Pharmaceutical Factory, Inc.	2017310312	Caterpillar Inc.
2016331221	Alarm.com Incorporated	2017313434	Machet, J.
2016333461	Secure-NOK AS	2017316015	LG Electronics Inc.
2016334807	École Polytechnique Fédérale De Lausanne (EPFL); Hersch, R.	2017316101	LG Electronics Inc.
2016334954	Green Cross Corporation; Genexine, Inc.	2017316876	JFE Steel Corporation
2016338654	Novelis Inc.	2017320601	TUNAP GmbH & Co. KG
2016353813	American Sterilizer Company	2017321533	Sony Corporation
2016354433	Rite-Hite Holding Corporation	2017321920	Samsung Electronics Co., Ltd.
2016358787	Beijing SMTP Technology Co., Ltd.	2017324146	Apple Inc.
2016362202	MedImmune Limited	2017324397	Shell Internationale Research Maatschappij B.V.
2016367733	Shandong University of Science and Technology	2017324433	Boston Scientific Neuromodulation Corporation
2016369910	Siemens Aktiengesellschaft	2017325013	Cardiac Pacemakers, Inc.
2016374639	Stadlmann, K.	2017326462	Verb Surgical Inc.
2016381225	Dropbox, Inc.	2017326705	Genesys Telecommunications Laboratories, Inc.
2016382319	Medtronic Minimed, Inc.	2017330520	Apple Inc.
2016389707	Rosemount Inc.	2017331760	Nippon Steel Coated Sheet Corporation
2016392919	Mitsubishi Electric Corporation	2017333110	Northeastern University
2016401677	FlexSteel Pipeline Technologies, Inc.	2017333111	Northeastern University
2016403117	Siemens Aktiengesellschaft	2017335764	Novelis Inc.
2016412123	Zheng, L.; Smart Electronic Industrial (Dong Guan) Co., Ltd.	2017336537	L.P. Brown Company, Inc.
2016419920	Motorola Solutions, Inc.	2017339440	Netflix, Inc.
2016426746	Dalian Institute of Chemical Physics, Chinese Academy of Sciences	2017342576	Nihon Nohyaku Co., Ltd.
2016427571	Mitsubishi Electric Corporation	2017345049	Northrop Grumman Systems Corporation
2016432095	Outotec (Finland) Oy	2017345727	Novelis Inc.
2017214071	Shanghai Hanmai Bio-Pharma Co., Ltd.	2017352446	Intuit Inc.
2017214167	Beijing Fullcan Biotechnology Co., Ltd	2017353150	Unilever PLC
2017214277	Eli Lilly and Company	2017353895	Quick Fitting, Inc.
2017216536	Aqseptence Group, Inc.	2017354687	Asahi Kasei Medical Co., Ltd.
2017217445	Colorado Wheat Research Foundation, Inc.	2017355505	Zimmer US, Inc.
2017221080	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.	2017357544	Borealis AG
2017232107	LU, Y.	2017364482	Griffin, M.A.
2017234059	Robert Bosch GmbH	2017370714	Tecnocap, LLC
2017237361	Dentsply Sirona Inc.; DeguDent GmbH	2017372827	POSCO
2017238508	Schlage Lock Company LLC	2017375856	China University of Mining and Technology; Xuzhou Coal Mine Safety Equipment Manufacture Co., Ltd.
2017241914	Presage Biosciences, Inc.	2017380535	Q-Yield Outdoor Gear Ltd.
2017247691	Mankind Pharma Ltd.	2017382494	Qualcomm Incorporated
2017248516	Oren Technologies, LLC	2017383979	Beijing Qiyi Century Science & Technology Co., Ltd.
2017249291	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.	2017384972	Neogen Corporation
2017254868	Silgan Dispensing Systems Corporation	2017387839	Safran Electronics & Defense; B-Temia Inc.
2017255282	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.	2017389311	Mitsubishi Hitachi Power Systems, Ltd.
2017257861	Stowe Woodward Licenco, LLC	2017391576	CRRC Dalian Co.,Ltd.
2017259654	Shanghai De Novo Pharmatech Co., Ltd.	2017404208	The Yokohama Rubber Co., Ltd.
2017261468	ExxonMobil Upstream Research Company	2017408797	Ping An Technology (Shenzhen) Co., Ltd.
2017261631	Stryker Corporation	2017417169	Institute of medical biology Chinese academy of medical sciences
2017262302	LG Electronics Inc.	2017440984	Stryker European Holdings I, LLC
2017265164	Photopharmics, Inc.	2018200092	Orbis Health Solutions, LLC
2017268185	The Cleveland Clinic Foundation	2018200176	Cibus US LLC; Cibus Europe B.V.
2017268523	FISHER & PAYKEL HEALTHCARE LIMITED	2018200333	Samumed, LLC
		2018200468	Wayne State University
		2018200612	StraxCorp Pty Ltd
		2018200626	VALCO ACQUISITION LLC

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2018200631	W. L. Gore & Associates, Inc.	2018222983	Civitas Therapeutics, Inc.
2018200668	Intelligent Synthetic Biology Center	2018223003	Seastar Medical Inc.
2018200963	Perosphere Technologies Inc.	2018224301	Saudi Arabian Oil Company
2018200984	Hoya Lens Thailand Ltd	2018229473	MicroVenton, Inc.
2018201031	Aqseptence Group, Inc.	2018230369	CSA Medical, Inc.
2018201080	Chugai Seiyaku Kabushiki Kaisha	2018230487	Medtronic Vascular Inc.
2018201321	Velos Media International Limited	2018232922	Nuctech Company Limited
2018201366	Tata Consultancy Services Limited	2018232978	Halliburton Energy Services, Inc.
2018201661	Telefonaktiebolaget LM Ericsson (publ)	2018232999	United Biomedical, Inc.
2018201668	Biogen MA Inc.; Sunesis Pharmaceuticals, Inc.	2018236687	Apple Inc.
2018201688	Genomic Health, Inc.	2018236731	Gilead Sciences, Inc.
2018201822	OMS INVESTMENTS, INC.	2018236735	Covidien LP
2018201881	Electronic Commodities Exchange, L.P.	2018236814	Depuy Synthes Products, LLC
2018202010	Berg LLC	2018236871	Heptares Therapeutics Limited
2018202219	Snap-on Incorporated	2018237049	Boston Scientific Scimed, Inc.
2018202557	Allergan, Inc.	2018241058	Société des Produits Nestlé S.A.
2018202624	Shell Internationale Research Maatschappij B.V.	2018241148	Medtronic Minimed, Inc.
2018202817	Dynomax Drilling Tools Inc.	2018250387	Beijing Goldwind Science & Creation Windpower Equip- ment Co., Ltd.
2018202881	Pharmacyclics LLC	2018250411	Hewlett-Packard Development Company, L.P.
2018202897	Fisher & Paykel Healthcare Limited	2018250454	Beijing Goldwind Science & Creation Windpower Equip- ment Co., Ltd.
2018202908	Square, Inc.	2018253532	The Coca-Cola Company
2018203040	Illinois Tool Works Inc.	2018253608	Coiled Tubing Specialties, LLC
2018203047	Popa, V.	2018256620	Tolle, S.
2018203195	CROWN EQUIPMENT CORPORATION	2018260619	American Sterilizer Company
2018203216	Oticon A/S	2018260831	Boston Scientific Scimed, Inc.
2018203269	Oy Arctic Partners AB; Opko Diagnostics, LLC	2018260889	Intuit Inc.
2018203320	BAYER HEALTHCARE LLC	2018260921	MedicalTree Patent Ltd
2018203418	Rani Therapeutics, LLC	2018263689	LG Electronics Inc.
2018203456	Waymo LLC	2018264114	Accenture Global Solutions Limited
2018203480	Oakley, Inc.	2018267610	Victaulic Company
2018203515	University of Maryland, College Park	2018273803	Bondi Sands Pty Ltd
2018203517	Keystone Tower Systems, Inc.	2018274950	Arkema France
2018203543	H.J. Heinz Company Brands LLC	2018275618	Primetals Technologies Austria GmbH
2018203552	BLUESCOPE STEEL LIMITED	2018278095	Roadtec, Inc.
2018203579	Laboratoire Francais du Fractionnement et des Biotechnolo- gies; Rhizen Pharmaceutics SA; TG Therapeutics, Inc.	2018278892	Sony Corporation
2018203599	WEBSTER, G.	2018282060	Caterpillar Inc.
2018203697	Brien Holden Vision Institute Limited	2018282467	Zimmer, Inc.
2018203823	Valspar Sourcing, Inc.	2018282485	Canon Kabushiki Kaisha
2018203852	GlaxoSmithKline Biologicals SA; Ospedale San Raffaele S.r.l.	2018286577	LG Electronics Inc.
2018203928	Gas Technology Institute	2018289027	Mastercard International Incorporated
2018203961	Levana Textiles Limited	2018299043	Grip Holdings LLC
2018203992	Lauren Sciences LLC	2018299212	Commonwealth Scientific and Industrial Research Organisa- tion
2018204269	Southern Mills, Inc.	2018303148	Spinner GmbH
2018204281	Applied Medical Resources Corporation	2018304150	Lien, L.
2018204285	Omeros Corporation; University of Leicester	2018322501	Korea Zinc Co., Ltd.
2018204287	Depuy Ireland Unlimited Company	2018327032	China University of Mining and Technology; Xuzhou Zhong- mine Transmission Track Technology Co., LTD.
2018204417	Dr. Ing. h.c.F. Porsche Aktiengesellschaft	2018339781	Husqvarna AB
2018204439	Bostik, Inc.	2018365928	Kureha Corporation
2018204470	Shanghai Aodian Hardware & Mechanism Co., Ltd	2018400697	CELLMIG BIOLABS INC.
2018204602	Blount, Inc.	2018409643	Chengdu Yefan Science and Technology Co., Ltd.
2018204725	Beacon Technical Systems, LLC	2019200019	LG Electronics Inc.
2018204839	Bio-Rad Laboratories, Inc.	2019200351	Kabushiki Kaisha Toshiba; Toshiba Infrastructure Systems & Solutions Corporation
2018204905	DS SMITH PACKAGING DEUTSCHLAND STIFTUNG & CO. KG; Mondelez UK R&D Limited	2019200649	Semnur Pharmaceuticals, Inc.
2018204917	NEC Corporation	2019200698	Apple Inc.
2018205114	Capnia, Inc.	2019200748	Microsoft Technology Licensing, LLC
2018205483	Zimmer, Inc.	2019200871	AMO Development, LLC
2018206759	KT Corporation	2019200960	GIMER MEDICAL. CO. LTD.
2018207658	PPG Industries Ohio, Inc.	2019200987	Illinois Tool Works Inc.
2018208681	QUALCOMM INCORPORATED	2019201158	Colgate-Palmolive Company
2018208684	National University of Singapore	2019201625	Accenture Global Solutions Limited
2018208716	Incredible Foods, Inc.	2019201739	EURO-CELTIQUE S.A.
2018211925	Cardiac Pacemakers, Inc.	2019201740	EURO-CELTIQUE S.A.
2018212715	Fresenius Medical Care Holdings, Inc.	2019202126	Sofradim Production
2018214049	Dow AgroSciences LLC	2019202135	Nuctech Company Limited
2018216043	3Skin AS	2019202821	Gregory Commercial Furniture Pty Limited
2018216158	Motorola Solutions, Inc.	2019202893	Adamis Pharmaceuticals Corporation
2018220035	The ESAB Group Inc.	2019202897	GREEN PRODUCTS & TECHNOLOGIES, L.L.C.
2018222887	FRESENIUS KABI DEUTSCHLAND GMBH		
2018222941	Nuctech Company Limited; Tsinghua University		

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2019203206 LOVINFLAME, INC.
2019203802 Google LLC
2019203972 ACIPLATANE Pty Ltd
2019203983 Google LLC
2019216691 SmartSwitch Pty Ltd
2019222929 Edwards Lifesciences Corporation
2019257430 Cook Medical Technologies LLC
2019275519 Dormer, K.
2019275522 Dentsply Sirona Inc; DeguDent GmbH
2019279907 Polystyrene Reforming Pty Ltd
2019279963 Sony Interactive Entertainment Inc.
2019284036 Wunderle, J.
2019284109 Central South University

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2016211483	2016261464	2016286388	<u>A47J 37 /-</u>	2018282467	2019202126
<u>A01D 47 /-</u>	<u>A01P 3 /-</u>	<u>A41D 19 /-</u>	2015275269	<u>A61B 5 /-</u>	2019222929
2015372382	2018365928	2015271022	2019203206	2014386696	2019257430
<u>A01D 57 /-</u>	<u>A01P 7 /-</u>	<u>A41D 31 /-</u>	2015207964	2015243779	<u>A61F 5 /-</u>
2015372382	2015316499	2018204269	<u>A47J 42 /-</u>	2015253094	2015278239
<u>A01F 15 /-</u>	<u>A23B 5 /-</u>	<u>A44B 11 /-</u>	2019284036	2015266570	2018200626
2017336537	2016287365	2015200559	<u>A47J 43 /-</u>	2015271893	<u>A61F 9 /-</u>
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2018201822	2016287365	2015267496	<u>A47L 11 /-</u>	2015323843	2018203480
<u>A01H 1 /-</u>	<u>A23C 19 /-</u>	<u>A45D 40 /-</u>	2019200019	2016223870	2019200871
2017279602	2016287365	2015255813	<u>A47L 15 /-</u>	2016382319	<u>A61G 7 /-</u>
<u>A01H 5 /-</u>	<u>A23C 9 /-</u>	2015267496	2017262302	2017308071	2016232528
2017279665	2016220905	<u>A47C 19 /-</u>	<u>A47L 9 /-</u>	2017325013	<u>A61H 1 /-</u>
2018200176	<u>A23D 7 /-</u>	2016232528	2017262302	2018200468	2015301845
<u>A01K 1 /-</u>	2014369045	<u>A47C 27 /-</u>	<u>A61B 1 /-</u>	2018205114	<u>A61H 23 /-</u>
2016219239	2015366301	2019202821	2014386696	<u>A61B 6 /-</u>	2015278905
<u>A01K 5 /-</u>	<u>A23D 9 /-</u>	<u>A47C 7 /-</u>	2015243779	2014406558	<u>A61H 5 /-</u>
2016201342	2014369045	2019202821	2016206743	2018200612	2018256620
<u>A01K 67 /-</u>	2015366301	<u>A47C 9 /-</u>	<u>A61B 7 /-</u>	<u>A61B 7 /-</u>	<u>A61H 9 /-</u>
2017276207	<u>A23G 1 /-</u>	2018260619	2015243779	<u>A61B 90 /-</u>	2015278905
<u>A01M 7 /-</u>	2015366301	<u>A47D 9 /-</u>	<u>A61B 17 /-</u>	2016206743	<u>A61J 1 /-</u>
2016282475	<u>A23G 9 /-</u>	2014296106	2014227527	2018260619	2015294103
<u>A01N 25 /-</u>	2018253532	<u>A47F 1 /-</u>	2015234284	<u>A61C 13 /-</u>	2016251957
2015315108	<u>A23K 40 /-</u>	2018204905	2015240465	2017237361	<u>A61J 3 /-</u>
2015316499	2016219239	<u>A47C 9 /-</u>	2015253313	2019275522	2015284632
2016261464	<u>A23L 2 /-</u>	2017269693	2015267531	<u>A61C 7 /-</u>	<u>A61J 7 /-</u>
2017217445	2015366142	<u>A47F 3 /-</u>	2015305830	2015344775	2016251957
<u>A01N 35 /-</u>	<u>A23L 27 /-</u>	2018204905	2015315166	<u>A61C 8 /-</u>	<u>A61K 31 /-</u>
2015316499	2018241058	<u>A47G 19 /-</u>	2016201227	2015366430	2013402794
2018200333	<u>A23L 31 /-</u>	2015203270	2016202266	<u>A61F 13 /-</u>	2014262164
<u>A01N 43 /-</u>	2016224128	<u>A47J 31 /-</u>	2016249889	2015323843	2014262166
2015316499	<u>A23L 33 /-</u>	2015246587	2016358787	2015390007	2014329412
2016205187	2015348010	2015277465	2017279705	2018203961	2014332080
2016261464	2016224128	2015282727	2017293748	<u>A61F 2 /-</u>	2014350222
2016283538	2016324846	2015320873	2017301106	2014359195	2014364589
2017217445	2018203543	2015336162	2017326462	2014369045	2014369463
2017342576	<u>A24D 1 /-</u>	2015357638	2017440984	2015262976	2015220832
2018201668	2016286388	2015365471	2018205483	2016243239	2015254309
2018365928		2016212320	2018211925	2016306711	2015256178
<u>A01N 47 /-</u>		2016231828	2018229473	2017279705	2015260953
2017342576			2018237049	2017293748	2015261239
			2018260831	2017301106	2015264021
			2018260831	2018200631	2015299149
			<u>A61B 18 /-</u>	2018202557	2015301462
			2018230369	2018204287	2015314772
			2018236735	2018230487	2015325279
			<u>A61B 3 /-</u>	2018236814	2015342021
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			2016235432		

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2015348010	2016259726	2015365566	<u>A61M 5 /-</u>	<u>A61P 29 /-</u>	
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2015360095	2017214277	2017214167	2015256082	2016213929	2019201158
2016213929	2017276604	2018200092	2015260953	2017259654	
2016240011	2017279662	2018200963	2015277339	2018202881	<u>A61Q 15 /-</u>
2016250976	2017417169	2018202010	2015314994	2018203543	2019201158
2016283538	2018200963	2018202557	2015323843		
2016285656	2018201080	2018203418	2016212721	<u>A61P 3 /-</u>	
2016286027	2018203320	2018203992	2018241148		<u>A61Q 17 /-</u>
2017214071	2018203579	2018208716	2018260921	2014346051	2018216043
2017214167	2018203852	2018222887	2019201739	2015256178	
2017241914	2018204285	2018222983	2019201740	2015299149	<u>A61Q 19 /-</u>
2017247691	2018222983			2016213929	
2017259654	2018232999	<u>A61L 17 /-</u>	<u>A61N 1 /-</u>	2017247691	2014370226
2017342576		2017293748	2016205050		2018216043
2018200333	<u>A61K 41 /-</u>		2017268185	<u>A61P 31 /-</u>	2018273803
2018202010	2016240011	<u>A61L 2 /-</u>	2017308071	2015240834	
2018202881		2015355332	2017324433	2016224006	<u>A62B 7 /-</u>
2018203579	<u>A61K 45 /-</u>	2016240011	2017325013	2017259654	2017268523
2018216043	2015261239	2016353813	2018211925	2018203852	
2018236731	2015353720		2019200960	2018236731	<u>A62B 9 /-</u>
2018236871	2016286027	<u>A61L 27 /-</u>	<u>A61N 2 /-</u>		
2018273803	2018200092	2015350244	2017268185	<u>A61P 33 /-</u>	2015392115
2019200649	2018203579			2016283538	<u>A62D 1 /-</u>
<u>A61K 33 /-</u>		<u>A61L 31 /-</u>	<u>A61N 5 /-</u>	2017342576	2015354357
2017214167	<u>A61K 47 /-</u>	2016329572	2015388475	<u>A61P 35 /-</u>	
<u>A61K 35 /-</u>	2014262164		2017265164	2013402794	<u>A63B 21 /-</u>
2014216300	2014364589	<u>A61M 1 /-</u>		2014230599	2015235851
2014228090	2015365566	2014369463	<u>A61P 1 /-</u>	2014341910	
2014316688	2016204933	2015314994	2014316688	2015220832	<u>A63B 47 /-</u>
2016259726	2017214071	2015362964	2014346051	2015314772	2015225652
2016301932	2017214167	2016303432	2017214071	2015325279	
2016324846	2018200963	2017261631	<u>A61P 11 /-</u>	2015360095	<u>A63B 67 /-</u>
<u>A61K 36 /-</u>	2018202010	2018223003	2015261239	2016204933	
2016224128	2018202557	<u>A61M 15 /-</u>	2018222983	2016250976	2015225652
	2018222887	2019201739		2017241914	
	2019200649	2019201740	<u>A61P 17 /-</u>	2017259654	<u>A63F 13 /-</u>
<u>A61K 38 /-</u>	<u>A61K 48 /-</u>		2015264021	2018202010	2015201089
2014315186	2014230599	<u>A61M 16 /-</u>	2018216043	2018202881	2015245936
2014324580	2014262166	2017268523		2018203579	2015271893
2014341910	2014343813	2018202897	<u>A61P 19 /-</u>		2019279963
2014346051	2015218576		2016250976	<u>A61P 37 /-</u>	
2015206271	<u>A61K 49 /-</u>	<u>A61M 25 /-</u>	2018203543	2015299149	<u>A63F 5 /-</u>
2015240465	2015218883	2015323843		2016224006	
2015277438	2016286027	2018211925	<u>A61P 21 /-</u>	2016250976	2015245936
2016280867	<u>A61K 6 /-</u>	2018229473	2015254309	2017259654	
2016334954	2017237361	<u>A61M 29 /-</u>		2018200963	<u>A63H 30 /-</u>
2017214277		2018203418	<u>A61P 25 /-</u>	2018201080	
2018200468	<u>A61K 8 /-</u>	2019222929	2015260953	2018203579	2017364482
2018203543	2014359195		2015348010	<u>A61P 43 /-</u>	<u>B01D 15 /-</u>
2018203992	2014370226	<u>A61M 31 /-</u>	2016250976	2015254309	2018204839
2018222887	2015255813	2015294103	2017214071	2015325279	
2018232999	2018216043	2018203418	2017214167	<u>A61P 5 /-</u>	<u>B01D 29 /-</u>
<u>A61K 39 /-</u>	2019201158	2018260831	2018203543	2017247691	2015270456
2014214763	<u>A61K 9 /-</u>	<u>A61M 35 /-</u>	2018203992	<u>A61P 7 /-</u>	2017216536
2014312215	2013404367	2015294103	2018236871		
2014315744	2014262164		<u>A61P 27 /-</u>	2014346051	<u>B01D 33 /-</u>
2014318015	2014262166	<u>A61M 39 /-</u>	2015264021	2014369463	2015270456
2014350222	2014359195	2015362964	2017276604	2015342021	2018201031
2014351796	2014262166		2018202557	<u>A61Q 1 /-</u>	
2015225553	2014370226			2018273803	2017274289
2015240834	2015255813				
2015247358	2015260953				
2015353720					
2016224006					

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<u>B01D 61 /-</u>	<u>B05B 7 /-</u>	<u>B28C 7 /-</u>	<u>B60L 13 /-</u>	2016401677	<u>B65D 41 /-</u>
2018304150	2016282475	2015339825	2017391576	<u>B62J 27 /-</u>	2015366142
<u>B01D 67 /-</u>	<u>B09B 3 /-</u>	<u>B29B 15 /-</u>	<u>B60L 53 /-</u>	2016204899	<u>B65D 43 /-</u>
2017354687	2015263138	2015352117	2018204417	<u>B63B 35 /-</u>	2017370714
<u>B01D 69 /-</u>	<u>B09B 5 /-</u>	<u>B29C 39 /-</u>	<u>B60P 1 /-</u>	2015378716	<u>B65D 45 /-</u>
2017354687	2015263138	2016219239	2016401677	2018202624	2017370714
<u>B01D 71 /-</u>	<u>B21B 39 /-</u>	<u>B29C 44 /-</u>	<u>B60P 3 /-</u>	<u>B63B 43 /-</u>	<u>B65D 5 /-</u>
2017354687	2018275618	2019279907	2016401677	2015378716	2018204905
<u>B01F 13 /-</u>	<u>B21C 37 /-</u>	<u>B29C 45 /-</u>	<u>B60P 7 /-</u>	2016205934	<u>B65D 51 /-</u>
2015284632	2018203517	2016219239	2015362001	<u>B63B 79 /-</u>	2015366142
2019202893	<u>B23K 101 /-</u>	2017293748	<u>B60Q 9 /-</u>	2016205934	2017370714
<u>B01F 15 /-</u>	2017345727	<u>B29C 67 /-</u>	2018278095	2016205934	<u>B65D 65 /-</u>
2015266723	<u>B23K 103 /-</u>	2015302412	<u>B60R 16 /-</u>	<u>B63J 99 /-</u>	2015258191
2016432095	2017345727	2016374639	<u>B60R 16 /-</u>	2016205934	2017300427
<u>B01F 3 /-</u>	2017345727	<u>B29L 31 /-</u>	2018203456	<u>B64C 27 /-</u>	2017336537
2015366142	<u>B23K 11 /-</u>	2017293748	<u>B60R 3 /-</u>	2015364404	<u>B65D 75 /-</u>
2019202893	2017345727	<u>B31D 5 /-</u>	2018278095	<u>B64D 33 /-</u>	2015323843
<u>B01F 5 /-</u>	<u>B23P 11 /-</u>	2015203270	<u>B60S 1 /-</u>	2016200187	2016212320
2019202893	2018203517	<u>B32B 1 /-</u>	2016243141	<u>B64D 45 /-</u>	<u>B65D 77 /-</u>
<u>B01J 19 /-</u>	<u>B23Q 17 /-</u>	2016251957	<u>B60W 10 /-</u>	2016206238	2015323843
2018322501	2015403425	<u>B32B 15 /-</u>	2016204899	<u>B65B 11 /-</u>	2016212320
<u>B01J 3 /-</u>	<u>B25B 13 /-</u>	2016338654	<u>B60W 30 /-</u>	2017336537	2016238639
2018322501	2018299043	<u>B32B 27 /-</u>	2016204899	<u>B65B 13 /-</u>	<u>B65D 79 /-</u>
<u>B01J 4 /-</u>	<u>B25B 23 /-</u>	2015258191	<u>B60W 40 /-</u>	2016294894	2017370714
2016432095	2018299043	2016281981	2016204899	<u>B65B 57 /-</u>	<u>B65D 81 /-</u>
<u>B01J 8 /-</u>	<u>B25C 7 /-</u>	2017300427	<u>B61L 1 /-</u>	2016247481	2015256689
2016426746	2018203040	<u>B33Y 50 /-</u>	2013395156	<u>B65B 9 /-</u>	2015258191
<u>B01L 3 /-</u>	<u>B25J 9 /-</u>	2016374639	<u>B61L 5 /-</u>	2015255813	2016238639
2017384972	2017387839	<u>B41F 15 /-</u>	2014369422	2016247481	<u>B65D 85 /-</u>
2018203269	<u>B26D 7 /-</u>	2016308447	<u>B62B 3 /-</u>	<u>B65D 1 /-</u>	2015323843
<u>B02C 23 /-</u>	2018204602	<u>B41J 2 /-</u>	2019202135	2016247481	2019275519
2015312029	<u>B27B 1 /-</u>	2018250411	<u>B62D 35 /-</u>	2015294103	<u>B65D 88 /-</u>
<u>B03B 9 /-</u>	2015298348	<u>B41M 1 /-</u>	2016227483	2018204839	2017248516
2015263138	2015298348	2016308447	2016227483	2019275519	<u>B65D 90 /-</u>
<u>B03D 1 /-</u>	<u>B27M 3 /-</u>	<u>B41M 5 /-</u>	2016227483	2015323843	2015274317
2016432095	2015298348	2016308447	<u>B62D 37 /-</u>	2019275519	2017248516
<u>B05B 11 /-</u>	<u>B28B 1 /-</u>	<u>B60G 9 /-</u>	<u>B62D 55 /-</u>	<u>B65D 25 /-</u>	<u>B65D 90 /-</u>
2017254868	2015302412	2016296919	2016220298	2015294103	2015274317
<u>B05B 3 /-</u>	2016219239	<u>B60K 28 /-</u>	<u>B62D 63 /-</u>	<u>B65D 39 /-</u>	<u>B65G 15 /-</u>
2016282475	2015339825	2016204899	2016367733	2017370714	2017404208
					<u>B65G 17 /-</u>
					2015283324
					<u>B65G 21 /-</u>
					2018278095
					<u>B65G 41 /-</u>

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2018278095	<u>C05F 17/-</u>	2018202881	2017214071	<u>C08F 2/-</u>	<u>C09D 179/-</u>
<u>B65G 47/-</u>	2015263138	<u>C07D 319/-</u>	<u>C07D 491/-</u>	2018203823	2018207658
2015283324	<u>C07C 1/-</u>	2018200333	2016223419	<u>C08F 220/-</u>	<u>C09D 5/-</u>
<u>B66C 13/-</u>	2016426746	<u>C07D 333/-</u>	2017259654	2018203823	2015333592
2017375856	<u>C07C 11/-</u>	2016213929	<u>C07D 495/-</u>	2018203823	2018207658
<u>B66D 1/-</u>	2016426746	<u>C07D 401/-</u>	2017259654	<u>C08F 230/-</u>	<u>C09J 123/-</u>
2015263842	<u>C07C 205/-</u>	2015299149	<u>C07D 498/-</u>	2018203823	2018204439
<u>B66F 1/-</u>	2019202897	2015360095	2018236731	<u>C08F 283/-</u>	<u>C09K 3/-</u>
2019203972	<u>C07C 225/-</u>	2015365602	<u>C07H 17/-</u>	2016202721	2016213103
<u>B82Y 10/-</u>	2016260911	2016223419	2016205187	<u>C08G 63/-</u>	<u>C09K 8/-</u>
2015255601	<u>C07C 309/-</u>	2017259654	<u>C07H 21/-</u>	2015365566	2016322891
<u>C01B 3/-</u>	2016260911	2017342576	2016362202	<u>C08G 67/-</u>	2018224301
2015371599	<u>C07C 39/-</u>	2018214049	<u>C07K 1/-</u>	2015365566	2018232978
2016369910	2015315069	2018236871	2016280867	<u>C08G 73/-</u>	<u>C10G 1/-</u>
2017324397	<u>C07C 51/-</u>	2018365928	2016334954	2018207658	2018203928
2017372827	2016277357	<u>C07D 403/-</u>	<u>C07K 14/-</u>	<u>C08J 3/-</u>	<u>C10G 3/-</u>
2018203928	<u>C07C 57/-</u>	2015299149	2015277438	2018203823	2018203928
<u>C01B 32/-</u>	2016213929	<u>C07D 405/-</u>	2015292889	<u>C08J 5/-</u>	<u>C10K 1/-</u>
2017214167	<u>C07D 213/-</u>	2015299149	2015315199	2015352117	2018203928
<u>C01C 1/-</u>	2016213929	2015365602	2015353720	2016224006	<u>C10L 1/-</u>
2015371599	<u>C07D 215/-</u>	<u>C07D 409/-</u>	2016209324	2016259726	2016322891
<u>C02F 1/-</u>	2016213929	2015299149	2016224006	2016280867	2017320601
2014396421	<u>C07D 215/-</u>	2015365602	2016259726	<u>C08J 9/-</u>	2016322891
2014402885	2015296289	2016213929	2016280867	2019279907	2017320601
2015312029	<u>C07D 221/-</u>	<u>C07D 413/-</u>	2016286027	<u>C08K 3/-</u>	<u>C10L 10/-</u>
2016432095	2015296289	2015299149	2016334954	2017354687	2019279907
2018204839	<u>C07D 221/-</u>	2015325279	2017276604	2018200668	2017320601
<u>C02F 11/-</u>	2015296289	2015365602	2018203852	<u>C08K 3/-</u>	<u>C10L 3/-</u>
2014402885	<u>C07D 231/-</u>	2016263472	<u>C07K 16/-</u>	2017404208	2015330970
<u>C03B 23/-</u>	2015355220	<u>C07D 417/-</u>	2014312215	<u>C08K 5/-</u>	<u>C10L 5/-</u>
2016275569	<u>C07D 233/-</u>	2015299149	2014315744	2017357544	2015341447
<u>C03C 27/-</u>	2015264021	2015365602	2014317035	2018200984	2015341447
2016275569	2015341779	2017247691	2015240595	<u>C08L 1/-</u>	<u>C11B 3/-</u>
<u>C04B 103/-</u>	<u>C07D 235/-</u>	<u>C07D 471/-</u>	2015240834	2016284940	2014369045
2015348618	2015365602	2015299149	2016209324	<u>C08L 101/-</u>	<u>C11D 1/-</u>
<u>C04B 111/-</u>	<u>C07D 249/-</u>	2015325279	2016301932	2018200984	2016353813
2015348618	2018365928	2016283538	2016362202	2017353150	2017353150
<u>C04B 28/-</u>	<u>C07D 277/-</u>	2017259654	2017214277	<u>C08L 73/-</u>	<u>C11D 11/-</u>
2015348618	2016213929	2017342576	2017276207	2015365566	2016353813
<u>C04B 35/-</u>	<u>C07D 295/-</u>	2018201668	2017276604	<u>C08L 9/-</u>	<u>C11D 3/-</u>
2016291866	2015341779	2018236731	2017279662	2017404208	2016353813
2019275522	<u>C07D 307/-</u>	<u>C07D 487/-</u>	2018201080	<u>C09D 133/-</u>	2017353150
	2016213929	2015299149	2018203320	2015333592	<u>C11D 7/-</u>
		2015341779	<u>C07K 19/-</u>	<u>C09D 17/-</u>	2016353813
		2015342021	2015292889	2016213103	
		2016250976	2016224006		
		2016285656	2016301932		
		<u>C07D 489/-</u>	2017278424		
			<u>C07K 7/-</u>		
			2017278424		
			<u>C07K 9/-</u>		
			2016224006		

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<u>C12G 1 /-</u>	<u>C21R 1 /-</u>	<u>D06F 37 /-</u>	<u>E02F 9 /-</u>	<u>E21B 12 /-</u>	<u>F03B 17 /-</u>
2018203047	2016324846	2017316015	2015362088	2015403425	2016204822
<u>C12N 1 /-</u>	<u>C21B 11 /-</u>	2017316101	2015403425	<u>E21B 17 /-</u>	<u>F03D 1 /-</u>
2016324846	2017333110	2018286577	2017310312	2015367486	2016208472
2018200092	<u>C21C 7 /-</u>	<u>D06F 39 /-</u>	2018282060	2018202624	<u>F03D 13 /-</u>
<u>C12N 15 /-</u>	2017316015	2017316101	<u>E03B 3 /-</u>	<u>E21B 25 /-</u>	2018250454
2014214763	2017333111	2017316101	2017216536	2019275519	<u>F03D 5 /-</u>
2014230599	<u>C21D 9 /-</u>	<u>D06F 53 /-</u>	<u>E04B 1 /-</u>	<u>E21B 29 /-</u>	2016204822
2014237759	2017335764	2018204470	2018203599	2018253608	<u>F04B 51 /-</u>
2014259354	<u>C22B 1 /-</u>	<u>D06F 58 /-</u>	<u>E04B 2 /-</u>	<u>E21B 33 /-</u>	2018204725
2014343813	2015312029	2017316015	2017331760	2015366600	<u>F04D 19 /-</u>
2014350222	<u>C22B 26 /-</u>	2017316101	<u>E04C 3 /-</u>	2018232978	<u>F04D 25 /-</u>
2015218576	2018304150	<u>D06P 1 /-</u>	<u>E04C 5 /-</u>	<u>E21B 36 /-</u>	2015255275
2015225553	<u>C22B 34 /-</u>	2017299652	2015298348	2015330970	<u>F04D 27 /-</u>
2016301932	2017278424	<u>D21F 3 /-</u>	<u>E04C 5 /-</u>	<u>E21B 4 /-</u>	2015374039
2017217445	<u>C22C 1 /-</u>	2017257861	2015335233	2018202817	<u>F04D 27 /-</u>
2017276207	2019284109	<u>D21H 11 /-</u>	<u>E04G 23 /-</u>	<u>E21B 43 /-</u>	2015374039
2018200668	<u>C22C 21 /-</u>	2016284940	2019203972	2015279433	<u>F04D 29 /-</u>
2018201080	2016338654	<u>D21H 17 /-</u>	<u>E04G 25 /-</u>	2018224301	2015255275
2018203515	<u>C22F 1 /-</u>	2016284940	2019203972	2018253608	<u>F16B 13 /-</u>
2018400697	2016338654	<u>D21H 19 /-</u>	<u>E04H 15 /-</u>	<u>E21B 47 /-</u>	2019200987
<u>C12N 5 /-</u>	<u>C23C 14 /-</u>	2016284940	<u>E04H 9 /-</u>	2015339332	<u>F16F 9 /-</u>
2014216300	2015265420	<u>D21H 21 /-</u>	2015351723	2018253608	2015256082
2014228090	<u>C23C 2 /-</u>	2016284940	<u>E05B 15 /-</u>	<u>E21C 25 /-</u>	<u>F16K 15 /-</u>
2014260245	2018203552	<u>D21H 23 /-</u>	2017238508	2015362088	2018212715
2015218576	<u>C23C 22 /-</u>	2016284940	<u>E05B 19 /-</u>	<u>E21C 35 /-</u>	<u>F16K 27 /-</u>
2017276207	2018203552	<u>E01B 7 /-</u>	2014218292	2015362088	2018212715
2017279602	<u>C25B 1 /-</u>	<u>E01C 11 /-</u>	<u>E05B 3 /-</u>	<u>E21D 21 /-</u>	<u>F16K 31 /-</u>
2018400697	2015284015	2015335233	2017238508	2016259862	2016432095
<u>C12N 7 /-</u>	<u>C25B 15 /-</u>	<u>E01C 19 /-</u>	<u>E05B 63 /-</u>	<u>F01C 1 /-</u>	<u>F16K 5 /-</u>
2014214763	2015284015	2018278095	2017238508	2016217936	2015362964
2014230599	<u>C25B 9 /-</u>	<u>E01F 13 /-</u>	<u>E05B 65 /-</u>	<u>F01C 19 /-</u>	<u>F16L 1 /-</u>
<u>C12N 9 /-</u>	2015284015	2016354433	2018202219	2016217936	2015279433
2014343813	<u>D02G 3 /-</u>	<u>E02B 17 /-</u>	<u>E06B 3 /-</u>	<u>F01C 21 /-</u>	2016214075
2016224006	2018204269	2015330970	2016275569	2016217936	2016214118
2016280867	<u>D02J 3 /-</u>	<u>E02B 5 /-</u>	<u>E06B 5 /-</u>	<u>F02C 3 /-</u>	<u>F16L 15 /-</u>
2017217445	2017293748	2017216536	2015351723	2017261468	2017316876
<u>C12P 19 /-</u>	<u>D04B 1 /-</u>	<u>E02B 7 /-</u>	<u>E21B 10 /-</u>	<u>F02C 7 /-</u>	2017353895
2015279548	2018203961	2015351723	2018202817	2017261468	2018267610
<u>C12P 21 /-</u>					
2014312215					
2016224006					
2016362202					
2017279662					
2018201080					
<u>C12Q 1 /-</u>					
2014228958					
2014229505					
2014248759					
2014342269					
2015279548					
2016280867					
2017279602					
2017279665					
2018201688					

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F24C 3 /-	G01N 33 /-	G04R 60 /-	G06T 3 /-	G07C 5 /-	H01H 3 /-
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2018220035	2017324433	2017324146	2018263689
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Certified Innovation Patents

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

(71) Apple Inc.
 (11) AU-B-2019101448
 (21) 2019101448 (22) 25.11.2019
 (54) Mobile zoom using multiple optical image stabilization cameras
 (51) Int. Cl.
 H04N 5/232 (2006.01)
 G02B 13/00 (2006.01)
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 (45) 27.02.2020
 (62) 2019100876
 (72) MILLER, Scott W.; SHARMA, Shashank; LEE, Simon S.
 (74) FPA Patent Attorneys Pty Ltd

(71) EWRG (SOUTH) PTY LTD
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 (72) YATES, Robert
 (74) Houlihan² Pty Ltd

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 (54) High speed downhole coring system
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 (45) 27.02.2020
 (72) Søe, Søren Pham
 (74) Phillips Ormonde Fitzpatrick

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Opposition Proceedings

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Opposition Lodged

2016333778 **Hensley Industries, Inc.** (CQMS Pty Ltd)

Opposition Dismissed - Proceed to Grant

2017202684 **Arch Wood Protection (Aust) Pty Ltd** (Koppers Performance Chemicals Australia Pty Ltd)

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 2020100158

Assignments Registered

2003230069 GE Healthcare Niagara Inc. The patent has been assigned to **GE Healthcare Bio-Sciences Company**

2003238370 ESBAtech, an Alcon Biomedical Research Unit LLC The patent has been assigned to **Novartis AG**

2003298780 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**

2004209734 ZBD Displays Limited The patent has been assigned to **New Vision Display, Inc**

2004233484 Hitachi, Ltd. The patent has been assigned to **Hitachi Industrial Products, Ltd.**

2004278370 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**

2004296016 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**

2005242120 Hitachi, Ltd.; Hitachi Construction Machinery Co., Ltd. The patent has been assigned to **Hitachi Construction Machinery Co., Ltd.; Hitachi Industrial Products, Ltd.**

2005264937 Siemens Aktiengesellschaft; Siemens Medical Solutions USA, Inc. The patent has been assigned to **Siemens Healthcare GmbH**

2006200623 Hitachi Construction Machinery Co., Ltd.; Hitachi, Ltd. The patent has been assigned to **Hitachi Construction Machinery Co., Ltd.; Hitachi Industrial Products, Ltd.**

2007200324 Hitachi, Ltd. The patent has been assigned to **Hitachi Industrial Products, Ltd.**

2007224940 Laboswiss AG The patent has been assigned to **PIVOT EUROPE PHARMACEUTICALS AG**

2008248881 Hetal-Werke Franz Hettich GmbH & Co. KG; Hettich-Heinze GmbH & Co. KG The patent has been assigned to **Hettich-Heinze GmbH & Co. KG; Grass GmbH**

2008248882 Hetal-Werke Franz Hettich GmbH & Co. KG; Hettich-Heinze GmbH & Co. KG The patent has been assigned to **Grass GmbH; Hettich-Heinze GmbH & Co. KG**

2008322411 Aclaris Therapeutics, Inc. The patent has been assigned to **EPI Health, LLC**

2009200234 Hitachi, Ltd. The patent has been assigned to **Hitachi Industrial Products, Ltd.**

2009246873 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**

2010201951 Aspen Custom Trailers The patent has been assigned to **Aspen Custom Trailers Inc.**

2010202634 ESBAtech, an Alcon Biomedical Research Unit LLC The patent has been assigned to **Novartis AG**

Assignments Registered

2011201327 Hitachi, Ltd. The patent has been assigned to **Hitachi Industrial Products, Ltd.**

2011293537 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2011336449 Aclaris Therapeutics, Inc. The patent has been assigned to **EPI Health, LLC**

2012211497 ESBAtech, an Alcon Biomedical Research Unit LLC The patent has been assigned to **Novartis AG**

2012284336 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2012290613 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2013201358 dt saddlery GmbH design & technik The patent has been assigned to **Meiti Leather Products Co. Ltd**

2013203285 ESBAtech, an Alcon Biomedical Research Unit LLC The patent has been assigned to **Novartis AG**

2013203288 ESBAtech, an Alcon Biomedical Research Unit LLC The patent has been assigned to **Novartis AG**

2013232622 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2013234407 Aspen Custom Trailers The patent has been assigned to **Aspen Custom Trailers Inc.**

2013269315 SigAssure UK Limited The patent has been assigned to **Merrills, Richard**

2013329535 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2014101630 SigAssure UK Limited The patent has been assigned to **Merrills, Richard**

2014228219 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**

2014233500 Elixirgen, LLC The patent has been assigned to **Elixirgen Therapeutics, Inc.**

2014236686 Jibo, Inc. The patent has been assigned to **NTT Disruption US, Inc.**

2014239197 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2014251322 Aperture Diagnostics LTD. The patent has been assigned to **Virtual 3-D Technologies Corp.**

2014254117 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**

2014260322 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**

2014260324 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**

2014352747 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

2014362239 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**

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- 2014374223 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**
- 2015202021 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**
- 2015202034 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**
- 2015202410 ESBATech, an Alcon Biomedical Research Unit LLC The patent has been assigned to **Novartis AG**
- 2015214402 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**
- 2015249674 Remote Media, LLC The patent has been assigned to **Vertigo Media, Inc.**
- 2015274474 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**
- 2015274758 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**
- 2015294337 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**
- 2016204642 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**
- 2016266095 General Electric Company The patent has been assigned to **Current Lightning Solutions, LLC**
- 2016294264 Noramco, Inc. The patent has been assigned to **Purisys LLC**
- 2017101863 Patriot Campers Pty Ltd The patent has been assigned to **Patriot Campers Holdings Pty Ltd**
- 2017202726 Aclaris Therapeutics, Inc. The patent has been assigned to **EPI Health, LLC**
- 2018102143 Patriot Campers Pty Ltd The patent has been assigned to **Patriot Campers Holdings Pty Ltd**
- 2018202826 Siemens Industry, Inc. The patent has been assigned to **Siemens Mobility Inc.**
- 2019100764 Patriot Campers Pty Ltd The patent has been assigned to **Patriot Campers Holdings Pty Ltd**

Licences Registered - Section 187, Reg. 19

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

- 2017202287 Exostemtech Co., Ltd. (EXOCOBIO INC.)

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.

- 2012285987 **Merck Sharp & Dohme B.V.**

The earliest first regulatory approval date provided by the patentee 21 Nov 2019

For the goods CALQUENCE acalabrutinib

Corrigenda

In Vol 33 , No 10 , Page(s) 1435 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name

Corrigenda

Apple Inc., Application No. 2017332777, under INID (72) correct the co-inventor to Dreessen, Christopher A.

In Vol 34 , No 7 , Page(s) 1007 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2015** Delete all reference to 2015300886.

In Vol 34 , No 7 , Page(s) 1054 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Jazz Pharmaceuticals Ireland Limitedv, Application No. 2018309068, under INID (71) correct the applicant name to Jazz Pharmaceuticals Ireland Limited

In Vol 34 , No 7 , Page(s) 1067 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Suven Life Sciences Limited, Application No. 2018313049, under INID (54) correct the title to read Fluoropiperidine compounds as pure 5-HT6 receptor antagonists

In Vol 34 , No 7 , Page(s) 992 under the heading **Provisional Applications Filed - Name Index** Under the name Seed Terminator Holdings Pty Lt, Application No. 2020900316, under INID (71) correct the applicant name to Seed Terminator Holdings Pty Ltd

Specifications Republished

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

- 2015230466 **Zhou, X.**
 2015361631 **Baoshan Iron & Steel Co., Ltd.**
 2019210588 **EtchCO Pty Ltd**

Advertisement pursuant to FCR 34.41

Australian Innovation Patent No. 2017100560

The Applicant, Repipe Pty Ltd, has applied to amend Australian Innovation Patent No. 2017100560 dated 17 May 2017 entitled “Methods and Systems for Providing and Receiving Information For Risk Management in the Field” as follows:

Proceeding in which the application will be made: Repipe Pty Ltd v Commissioner of Patents: Federal Court Action WAD 323 of 2018.

Particulars of amendment sought: as set out in the accompanying Interlocutory Application dated 14 January 2020 made in the proceeding at Annexure A.

Applicant’s address for service is: Provan Legal, 35 Maynard Way, Karrinyup WA 6018.

Notice: a person intending to oppose the application who is not a party to the proceeding must within 28 days of publication of this advertisement give notice of that intention to:

1. The Commissioner of Patents.
2. The Applicant.

ANNEXURE A

No. 323 of 2018

Federal Court of Australia

District Registry: Western Australia

Division: General

On appeal from the Commissioner of Patents

REPIPE PTY LTD

Appellant

COMMISSIONER OF PATENTS

Respondent

This is Annexure A referred to in the Interlocutory application dated 14 January 2020

**In the matter of:
Innovation Patent 2017100560
Methods and Systems for Providing and
Receiving Information For Risk
Management in the Field
Repipe Pty Ltd**

Statement of Proposed Amendments

2. Specification page 3 Replace the page 3 with the amended pages 3, 3A to 3D filed herewith, with changes being as shown on the marked up copy herewith.
3. Specification page 34 Replace the page 34 with the amended pages 34, 34A to 34B filed herewith, with changes being as shown on the marked up copy herewith.
4. Claim page 35 Replace the page 35 with the amended pages 35 to 38 filed herewith, with changes being as shown on the marked up copy herewith.

[0006] Any references to documents that are made in this specification are not intended to be an admission that the information contained in those documents form part of the common general knowledge known to a person skilled in the field of the invention, unless explicitly stated as such.

[0007] Throughout the specification and claims, unless the context requires otherwise, the word "comprise" or variations such as "comprises" or "comprising", will be understood to imply the inclusion of a stated integer or group of integers but not the exclusion of any other integer or group of integers.

Summary of the Invention

[0008] Disclosed are methods and systems for providing and receiving information for risk management in the field, and more particularly, methods and systems for accessing permits, plans, risk assessments and equipment information, auto-populating documents, and for transmitting data and receiving notifications based upon user-specific location, activity, authority and changes in each. The disclosed systems and methods for risk management provide tools to support and engage front line employees in the process of risk management and encourage them to complete the risk management tasks in an appropriate manner.

[0008A] According to an aspect of the invention there is provided a method of configuring a server and portable personal computing devices to enable information to be provided for risk management to each of a plurality of users of the configured portable personal computing devices when performing a job in the field, said method comprising:

- a) providing a server with at least one computer program comprising instructions which when executed cause the server to be configured to:
 - i) store in a storage device of the server information associated with a document for users in the field to complete when making a risk assessment of the job, where some of the information is obtained from the field by users having a field worker role and some of the information is obtained from users with an administrative role;
 - ii) receive an identity of a user of a requesting portable personal computing device along with a request for the download of information associated with

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- a selected document from the requesting one of the plurality of portable personal computing devices remotely located in the field;
- iii) retrieve the information from the storage device in response to the request;
 - iv) send the retrieved requested information to the requesting portable personal computing device;
 - v) receive an uploaded input from the requesting portable personal computing device;
 - vi) store the uploaded input in relation to the selected document and the identity of the user of the requesting portable personal computing device;
 - vii) determine whether the uploaded input is already in the stored information; and
 - viii) when the uploaded input is not already in the stored information then update the stored information to include the uploaded input so that the uploaded input is included in the retrieved requested information that is sent when there is a subsequent request so that the new uploaded input is provided to other users;
- b) providing each of the portable personal computing devices with at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:
- ix) display to the user of the portable personal computing device on a display device of the portable personal computing device a plurality of documents from which a selection of one of the documents can be made by the user;
 - x) receive a selection of a document from the user via an input device of the portable personal computing device;
 - xi) request information from the server associated with the selected document, via a communication means, and with the request provide to the server the identity of the user;
 - xii) receive the requested information from the server, via the communications means;
 - xiii) display the information received from the server on the display device in a manner that allows for selection of items from the displayed information;
 - xiv) receive from the user, via the input device, an input as a selection of one or more of the displayed items;
 - xv) receive from the user an input of new information, via the input device, the new information being of a type that is suitable to send to other users in the field; and
 - xvi) send the input to the server, via the communication means;

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- c) when the user is in the field, selecting a document to be completed by the user related to a job to be performed by the user in the field from documents displayed to the user by the user's configured portable personal computing device;
- d) communicating the identity of the user and the document selected from the configured portable personal computing device to the configured server;
- e) retrieving stored information from the storage device of the configured server based on the communicated document selected;
- f) downloading retrieved information from the configured server to the user's configured portable personal computing device;
- g) displaying the downloaded information on the display device of the user's configured portable personal computing device for selection of items in the information so as to complete the selected document; wherein the downloaded information comprises information provided by one or more other users having an administrative role and information provided by one or more other users having a field worker role;
- h) receiving input from the user to the input device of the user's configured portable personal computing device, wherein the input comprises selection of one or more of the items in the information, and, or instead, the input comprises providing new information;
- i) uploading the input to the configured server;
- j) storing a record of the input in relation to the selected document and the identity of the user; and
- k) adding the new information to the information to be downloaded by the configured portable personal computing devices of other users when there is new information.

[0008B] In an embodiment:

- l) the instructions of the server further configure the server to:
 - xvii) provide a list of document templates associated with a task or tasks to the portable personal computer device;
 - xviii) receive a selection of one of the document templates from the portable personal computer devices;
 - xix) retrieve document templates from the storage device according to the received selection of the document templates;

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- xx) send the retrieved document templates to the portable personal computer device;
- m) wherein the instructions of each portable personal computer devices further configure the respective portable personal computing device to:
 - xxi) receive the list of document templates from the server, via the communications means;
 - xxii) display the received list of document templates on the display device in a manner that allows for selection of one of the document templates;
 - xxiii) receive from the user a selected one of the document templates, via the input device;
 - xxiv) send to the server the selected document templates; and
 - xxv) receive from the server the retrieved document templates;
- n) wherein the method further comprises: receiving from the user of the configured portable personal computing device a selection of one of the document templates, wherein the document template selected preselects the labels of the fields in the document to be completed by the user entering the information into the document.

[0008C] In an embodiment the document template is able to be allocated by a user with a field supervisor / manager role to a user with a field worker role for completion; and wherein the document template comprises fields for inputting: method steps, tasks, risks and controls to be assessed by the user prior to commencement of the job, and the input comprises entering the method steps, tasks, risks and controls using the downloaded information.

[0008D] In an embodiment the method further comprises tracking whether the user has completed the form and flags to the field supervisor / manager and that the user has yet to complete the form, or tracks that the user has not completed the form, until the user has completed the form.

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[0008E] In an embodiment the instructions of the portable personal computer devices further configure the portable personal computing device to:

- xxvi) access a GPS unit of the portable personal computing device to determine its current location when the input is uploaded to the server and to also upload to the server the current location and current time;

wherein the instructions of the server further configure the server to:

- xxvii) receive the uploaded current location and current time; and
- xxviii) store the current location and current time in the record in association with the uploaded input;

wherein the method further comprises:

- xxix) determining the current location of the portable personal computing device and current time; including the current location and current time in the upload to the server; and
- xxx) storing the current location and current time in the record in association with the uploaded input.

[0009] One embodiment of the disclosed systems and methods provides:

1. The ability for front line employees to complete their risk management documents via a portable computing device, such as an iPhone/ iPad/Android. This includes: Pre-Start Checklists, Job Safety Assessments (JSAs), Take 5's, Permits etc.
2. Access and review of:
 - a) Personnel qualifications;
 - b) Material Safety Data Sheets (commonly "MSDS");
 - c) Logbooks;
 - d) Equipment Risk Assessments;
 - e) Job Method Statements / Notes / Photos etc.;
 - f) Company Procedures; and
 - g) Company Risk Alerts.
3. The tools engage front line employees by:
 - a) Prompting them to consider lists of Method Steps, Tasks, Risks and Controls populated and managed by oversight employees. They also have the capacity

disclosed structures and navigation systems and methods include processes for navigation, auto-populating, alerts for permit and plans status, equipment pre-start visual prompts, database tapping, real time auto alerts, equipment heavy usage checks, equipment tagging auto reminders and paint colour substitution, furthermore provide tools to engage field operators in the process of risk management and encourage field operators to complete the risk management tasks in an appropriate manner.

[0153] From their personal mobile device:

- a. Personnel can see:
 - i. All of the Plans etc. attached to the Job Library (via the desktop application),
 - ii. All of the documents they have created or signed onto;
- b. Site Supervisors and Project Managers can see all of the above - as well as all of the documents created or issued by anyone else on the Job.

[0154] The invention can be implemented as described herein, in part, by way of controlling the server's processor 1002 with computer program(s) of the mobile user (interface) application 1040 and backend user application 1042 stored in the memory/storage 1008 which for example can be implemented by programming language instructions that implement the following pseudo code in a programming language(s) determined at the time of implementation of the invention:

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Start backend user application;
Create job library, organisation database (odb) and job database (jdb);
Receive admin user information via the backend user application;
Store admin user information in lists in odb;
Start mobile user interface application;
In mobile user interface application, in parallel repeat:
    Wait for jobs request from smartphone;
    Receive user id from smartphone with smartphone id;
    Store user id in job library against smartphone id;
    Lookup and retrieve list of jobs allocated to user id in jdb;
    Send retrieved list of jobs to smartphone having smartphone id;
In mobile user interface application, in parallel repeat:
    Wait for documents request from smartphone;
    Receive selected job from smartphone having smartphone id;
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Lookup and retrieve user id stored in job library against smartphone id;

Lookup and retrieve list of documents in odb against user id;

Send list of documents to smartphone having smartphone id;

In mobile user interface application, in parallel repeat:

Wait for information request from smartphone;

Receive request for information from smartphone having smartphone id;

Lookup and retrieve information from lists in odb;

Send retrieved information to smartphone having smartphone id;

In mobile user interface application, in parallel repeat:

Wait for input from smartphone;

Receive input from smartphone having smartphone id;

Store the input in relation to smartphone id and user id in job library;

Search lists in odb for input in the admin user information or field user information;

If not found then store input as field user information in lists in odb;

end

[0156] The invention can be implemented as described herein, in part, by way of controlling the smartphone's processor 1102 with computer program(s) of the mobile user application 1120 stored in the memory/storage 1104 which for example can be implemented by programming language instructions that implement the following pseudo code in a programming language(s) determined at the time of implementation of the invention:

Start mobile user application 1120;

Identify user;

Contact Server and request list of jobs allocated to identified user be send to smartphone's id;

Receive list of jobs from server;

Display list of jobs on screen;

Receive a selection of job via touch input;

Contact server and provide selected job;

Receive list of documents from server;

Display list of documents on screen;

Receive selection of document via touch input;

Contact server and provide selected document;

Receive information from the server;

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Display the received information on the screen;
Receive section of one or more items of information via touch input;
Optionally, receive new information via the touch screen;
Contact server and send the selection(s) and new information (if any);
end

[0157] This disclosure is intended to explain how to fashion and use various embodiments in accordance with the technology rather than to limit the true, intended, and fair scope and spirit thereof. The foregoing description is not intended to be exhaustive or to be limited to the precise forms disclosed. Modifications or variations are possible in light of the above teachings. The embodiment(s) were chosen and described to provide the best illustration of the principle of the described technology and its practical application, and to enable one of ordinary skill in the art to utilise the technology in various embodiments and with various modifications as are suited to the particular use contemplated. All such modifications and variations are within the scope of the invention as determined by the appended claims, as may be amended during the pendency of this application for patent, and all equivalents thereof, when interpreted in accordance with the breadth to which they are fairly, legally and equitably entitled.

Claims

1. A method of configuring a server and portable personal computing devices to enable information to be provided for risk management to each of a plurality of users of the configured a portable personal computing devices when performing a job in the field, said method comprising:

a) providing a server with at least one computer program comprising instructions which when executed cause the server to be configured to:

- i) store in a storage device of the server information associated with a document for users in the field to complete when making a risk assessment of the job, where some of the information is obtained from the field by users having a field worker role and some of the information is obtained from users with an administrative role;
- ii) receive an identity of a user of a requesting portable personal computing device along with a request for the download of information associated with a selected document from the requesting one of the plurality of portable personal computing devices remotely located in the field;
- iii) retrieve the information from the storage device in response to the request;
- iv) send the retrieved requested information to the requesting portable personal computing device;
- v) receive an uploaded input from the requesting portable personal computing device;
- vi) store the uploaded input in relation to the selected document and the identity of the user of the requesting portable personal computing device;
- vii) determine whether the uploaded input is already in the stored information; and
- viii) when the uploaded input is not already in the stored information then update the stored information to include the uploaded input so that the uploaded input is included in the retrieved requested information that is sent when there is a subsequent request so that the new uploaded input is provided to other users;

b) providing each of the portable personal computing devices with at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:

- ix) display to the user of the portable personal computing device on a display device of the portable personal computing device a plurality of documents from which a selection of one of the documents can be made by the user;

- x) receive a selection of a document from the user via an input device of the portable personal computing device;
 - xi) request information from the server associated with the selected document, via a communication means, and with the request provide to the server the identity of the user;
 - xii) receive the requested information from the server, via the communications means;
 - xiii) display the information received from the server on the display device in a manner that allows for selection of items from the displayed information;
 - xiv) receive from the user, via the input device, an input as a selection of one or more of the displayed items;
 - xv) receive from the user an input of new information, via the input device, the new information being of a type that is suitable to send to other users in the field; and
 - xvi) send the input to the server, via the communication means;
- c) when the user is in the field, selecting a document to be completed by the user related to a job to be performed by the user in the field from documents displayed to the user by the user's configured portable personal computing device;
- d) communicating the identity of the user and the document selected from the configured portable personal computing device to the configured server;
- e) retrieving stored information from the storage device of the configured server based on the communicated document selected;
- f) downloading retrieved information from the configured server to the user's configured portable personal computing device;
- g) displaying the downloaded information on the display device of the user's configured portable personal computing device for selection of items in the information so as to complete the selected document; wherein the downloaded information comprises information provided by one or more other users having an administrative role and information provided by one or more other users having a field worker role;
- h) receiving input from the user to the input device of the user's configured portable personal computing device, wherein the input comprises selection of one or more of the items in the information, and, or instead, the input comprises providing new information;
- i) uploading the input to the configured server;
- j) storing a record of the input in relation to the selected document and the identity of the user; and

k) adding the new information to the information to be downloaded by the configured portable personal computing devices of other users when there is new information.

2. The method of claim 1, wherein:

l) the instructions of the server further configure the server to:

xvii) provide a list of document templates associated with a task or tasks to the portable personal computer device;

xviii) receive a selection of one of the document templates from the portable personal computer devices;

xix) retrieve document templates from the storage device according to the received selection of the document templates;

xx) send the retrieved document templates to the portable personal computer device;

m) wherein the instructions of each portable personal computer devices further configure the respective portable personal computing device to:

xxi) receive the list of document templates from the server, via the communications means;

xxii) display the received list of document templates on the display device in a manner that allows for selection of one of the document templates;

xxii) receive from the user a selected one of the document templates, via the input device;

xxiv) send to the server the selected document templates; and

xxv) receive from the server the retrieved document templates;

n) wherein the method further comprises:

receiving from the user of the configured portable personal computing device a selection of one of the document templates, wherein the document template selected preselects the labels of the fields in the document to be completed by the user entering the information into the document.

3. The method of claim 2, wherein the document template is able to be allocated by a user with a field supervisor / manager role to a user with a field worker role for completion; and wherein the document template comprises fields for inputting: method steps, tasks, risks and controls to be assessed by the user prior to commencement of the job, and the input comprises entering the method steps, tasks, risks and controls using the downloaded information.

4. The method of claim 3, wherein the method further comprises tracking whether the user has completed the form and flags to the field supervisor / manager and that the user has yet to complete the form, or tracks that the user has not completed the form, until the user has completed the form.

5. The method of claim 1, wherein the instructions of the portable personal computer devices further configure the portable personal computing device to:

xxvi) access a GPS unit of the portable personal computing device to determine its current location when the input is uploaded to the server and to also upload to the server the current location and current time;

wherein the instructions of the server further configure the server to:

xxvii) receive the uploaded current location and current time; and

xxviii) store the current location and current time in the record in association with the uploaded input;

wherein the method further comprises:

xxix) determining the current location of the portable personal computing device and current time; including the current location and current time in the upload to the server; and

xxx) storing the current location and current time in the record in association with the uploaded input.

Mark up of Amendments

(Insertion **bold and underline**, deletion ~~**bold and strikethrough**~~)

1. Insert the following paragraphs after [0008] on page 3:

[0008A] According to an aspect of the invention there is provided a method of configuring a server and portable personal computing devices to enable information to be provided for risk management to each of a plurality of users of the configured portable personal computing devices when performing a job in the field, said method comprising:

- a) providing a server with at least one computer program comprising instructions which when executed cause the server to be configured to:
 - i) store in a storage device of the server information associated with a document for users in the field to complete when making a risk assessment of the job, where some of the information is obtained from the field by users having a field worker role and some of the information is obtained from users with an administrative role;
 - ii) receive an identity of a user of a requesting portable personal computing device along with a request for the download of information associated with a selected document from the requesting one of the plurality of portable personal computing devices remotely located in the field;
 - iii) retrieve the information from the storage device in response to the request;
 - iv) send the retrieved requested information to the requesting portable personal computing device;
 - v) receive an uploaded input from the requesting portable personal computing device;
 - vi) store the uploaded input in relation to the selected document and the identity of the user of the requesting portable personal computing device;
 - vii) determine whether the uploaded input is already in the stored information; and
 - viii) when the uploaded input is not already in the stored information then update the stored information to include the uploaded input so that the uploaded input is included in the retrieved requested information that is

sent when there is a subsequent request so that the new uploaded input is provided to other users;

- b) providing each of the portable personal computing devices with at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:
 - ix) display to the user of the portable personal computing device on a display device of the portable personal computing device a plurality of documents from which a selection of one of the documents can be made by the user;
 - x) receive a selection of a document from the user via an input device of the portable personal computing device;
 - xi) request information from the server associated with the selected document, via a communication means, and with the request provide to the server the identity of the user;
 - xii) receive the requested information from the server, via the communications means;
 - xiii) display the information received from the server on the display device in a manner that allows for selection of items from the displayed information;
 - xiv) receive from the user, via the input device, an input as a selection of one or more of the displayed items;
 - xv) receive from the user an input of new information, via the input device, the new information being of a type that is suitable to send to other users in the field; and
 - xvi) send the input to the server, via the communication means;
- c) when the user is in the field, selecting a document to be completed by the user related to a job to be performed by the user in the field from documents displayed to the user by the user's configured portable personal computing device;
- d) communicating the identity of the user and the document selected from the configured portable personal computing device to the configured server;
- e) retrieving stored information from the storage device of the configured server based on the communicated document selected;
- f) downloading retrieved information from the configured server to the user's configured portable personal computing device;
- g) displaying the downloaded information on the display device of the user's configured portable personal computing device for selection of items in the

information so as to complete the selected document; wherein the downloaded information comprises information provided by one or more other users having an administrative role and information provided by one or more other users having a field worker role;

- h) receiving input from the user to the input device of the user's configured portable personal computing device, wherein the input comprises selection of one or more of the items in the information, and, or instead, the input comprises providing new information;
- i) uploading the input to the configured server;
- j) storing a record of the input in relation to the selected document and the identity of the user; and
- k) adding the new information to the information to be downloaded by the configured portable personal computing devices of other users when there is new information.

[0008B] In an embodiment:

- l) the instructions of the server further configure the server to:
 - xvii) provide a list of document templates associated with a task or tasks to the portable personal computer device;
 - xviii) receive a selection of one of the document templates from the portable personal computer devices;
 - xix) retrieve document templates from the storage device according to the received selection of the document templates;
 - xx) send the retrieved document templates to the portable personal computer device;
- m) wherein the instructions of each portable personal computer devices further configure the respective portable personal computing device to:
 - xxi) receive the list of document templates from the server, via the communications means;
 - xxii) display the received list of document templates on the display device in a manner that allows for selection of one of the document templates;
 - xxiii) receive from the user a selected one of the document templates, via the input device;
 - xxiv) send to the server the selected document templates; and
 - xxv) receive from the server the retrieved document templates;

- n) wherein the method further comprises: receiving from the user of the configured portable personal computing device a selection of one of the document templates, wherein the document template selected preselects the labels of the fields in the document to be completed by the user entering the information into the document.

[0008C] In an embodiment the document template is able to be allocated by a user with a field supervisor / manager role to a user with a field worker role for completion; and wherein the document template comprises fields for inputting: method steps, tasks, risks and controls to be assessed by the user prior to commencement of the job, and the input comprises entering the method steps, tasks, risks and controls using the downloaded information.

[0008D] In an embodiment the method further comprises tracking whether the user has completed the form and flags to the field supervisor / manager and that the user has yet to complete the form, or tracks that the user has not completed the form, until the user has completed the form.

[0008E] In an embodiment the instructions of the portable personal computer devices further configure the portable personal computing device to:

- xxvi) access a GPS unit of the portable personal computing device to determine its current location when the input is uploaded to the server and to also upload to the server the current location and current time;

wherein the instructions of the server further configure the server to:

- xxvii) receive the uploaded current location and current time; and
xxviii) store the current location and current time in the record in association with the uploaded input;

wherein the method further comprises:

- xxix) determining the current location of the portable personal computing device and current time; including the current location and current time in the upload to the server; and
xxx) storing the current location and current time in the record in association with the uploaded input.

2. Renumber current paragraph [0154] as [0157] and insert new paras [0154] and [0155] on page 34.

[0154] The invention can be implemented as described herein, in part, by way of controlling the server's processor 1002 with computer program(s) of the mobile user (interface) application 1040 and backend user application 1042 stored in the memory/storage 1008 which for example can be implemented by programming language instructions that implement the following pseudo code in a programming language(s) determined at the time of implementation of the invention:

Start backend user application;

Create job library, organisation database (odb) and job database (jdb);

Receive admin user information via the backend user application;

Store admin user information in lists in odb;

Start mobile user interface application;

In mobile user interface application, in parallel repeat:

Wait for jobs request from smartphone;

Receive user id from smartphone with smartphone id;

Store user id in job library against smartphone id;

Lookup and retrieve list of jobs allocated to user id in jdb;

Send retrieved list of jobs to smartphone having smartphone id;

In mobile user interface application, in parallel repeat:

Wait for documents request from smartphone;

Receive selected job from smartphone having smartphone id;

Lookup and retrieve user id stored in job library against smartphone id;

Lookup and retrieve list of documents in odb against user id;

Send list of documents to smartphone having smartphone id;

In mobile user interface application, in parallel repeat:

Wait for information request from smartphone;

Receive request for information from smartphone having smartphone id;

Lookup and retrieve information from lists in odb;

Send retrieved information to smartphone having smartphone id;

In mobile user interface application, in parallel repeat:

Wait for input from smartphone;

Receive input from smartphone having smartphone id;

Store the input in relation to smartphone id and user id in job library;

Search lists in odb for input in the admin user information or field user information;

If not found then store input as field user information in lists in odb;

end

[0155] The invention can be implemented as described herein, in part, by way of controlling the smartphone's processor 1102 with computer program(s) of the mobile user application 1120 stored in the memory/storage 1104 which for example can be implemented by programming language instructions that implement the following pseudo code in a programming language(s) determined at the time of implementation of the invention:

Start mobile user application 1120;

Identify user;

Contact Server and request list of jobs allocated to identified user be send to smartphone's id;

Receive list of jobs from server;

Display list of jobs on screen;

Receive a selection of job via touch input;

Contact server and provide selected job;

Receive list of documents from server;

Display list of documents on screen;

Receive selection of document via touch input;

Contact server and provide selected document;

Receive information from the server;

Display the received information on the screen;

Receive section of one or more items of information via touch input;

Optionally, receive new information via the touch screen;

Contact server and send the selection(s) and new information (if any);

end

3. Replace claims 1 to 5 on page 35 with the following proposed claims:

1. A method of **configuring a server and portable personal computing devices to enable providing information to be provided for risk management to each of a plurality of users of the configured a portable personal computing devices when performing a job in the field, said method comprising:**

a) providing a server with at least one computer program comprising instructions which when executed cause the server to be configured to:

i) store in a storage device of the server information associated with a document for users in the field to complete when making a risk assessment of the job, where some of the information is obtained from the field by users having a field worker role and some of the information is obtained from users with an administrative role;

ii) receive an identity of a user of a requesting portable personal computing device along with a request for the download of information associated with a selected document from the requesting one of the plurality of portable personal computing devices remotely located in the field;

iii) retrieve the information from the storage device in response to the request;

iv) send the retrieved requested information to the requesting portable personal computing device;

v) receive an uploaded input from the requesting portable personal computing device;

vi) store the uploaded input in relation to the selected document and the identity of the user of the requesting portable personal computing device;

vii) determine whether the uploaded input is already in the stored information; and

viii) when the uploaded input is not already in the stored information then update the stored information to include the uploaded input so that the uploaded input is included in the retrieved requested information that is sent when there is a subsequent request so that the new uploaded input is provided to other users;

b) providing each of the portable personal computing devices with at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:

ix) display to the user of the portable personal computing device on a display device of the portable personal computing device a plurality of documents from which a selection of one of the documents can be made by the user;

x) receive a selection of a document from the user via an input device of the portable personal computing device;

xi) request information from the server associated with the selected document, via a communication means, and with the request provide to the server the identity of the user;

xii) receive the requested information from the server, via the communications means;

xiii) display the information received from the server on the display device in a manner that allows for selection of items from the displayed information;

xiv) receive from the user, via the input device, an input as a selection of one or more of the displayed items;

xv) receive from the user an input of new information, via the input device, the new information being of a type that is suitable to send to other users in the field; and

xvi) send the input to the server, via the communication means;

c) when the user is in the field, selecting a document to be completed by the user related to a job to be performed by the user in the field from documents displayed to the user by the user's configured portable personal computing device;

d) communicating the identity of the user and the document selected from the configured portable personal computing device to the configured server;

e) retrieving stored information from the storage device of the configured server based on the communicated document selected;

f) downloading retrieved information from the configured server to the user's configured portable personal computing device;

g) displaying the downloaded information on the display device of the user's configured portable personal computing device for selection of items in the information so as to complete the selected document; wherein the downloaded information comprises information provided by one or more other users having an administrative role and information provided by one or more other users having a field worker role;

h) receiving input from the user to the input device of the user's configured portable personal computing device, wherein the input comprises selection of one or more of the items in the information, and ~~or~~ instead, the input comprises providing new information;

i) uploading the input to the configured server;

j) ~~whereby~~ storing a record of the input ~~is stored~~ in relation to the selected document and the identity of the user; and

k) adding the new information ~~is added~~ to the information to be downloaded by the configured portable personal computing devices of other users when there is new information.

2. The method of claim 1, wherein:

l) the instructions of the server further configure the server to:

xvii) provide a list of document templates associated with a task or tasks to the portable personal computer device;

xviii) receive a selection of one of the document templates from the portable personal computer devices;

xix) retrieve document templates from the storage device according to the received selection of the document templates;

xx) send the retrieved document templates to the portable personal computer device;

m) wherein the instructions of each portable personal computer devices further configure the respective portable personal computing device to:

xxi) receive the list of document templates from the server, via the communications means;

xxii) display the received list of document templates on the display device in a manner that allows for selection of one of the document templates;

xxii) receive from the user a selected one of the document templates, via the input device;

xxiv) send to the server the selected document templates; and

xxv) receive from the server the retrieved document templates;

n) wherein the method further comprises: ~~the selection of the job comprises~~

receiving from the user of the configured portable personal computing device a

selection of **one of the document templates**, wherein the **document** template selected preselects the labels of the fields in the document to be completed by the user entering the information into the document.

3. The method of claim 2, wherein the document template is able to be allocated by a user with a field supervisor / manager role to a user with a field worker role for completion; **and-**

4. The method of claim 3, wherein the document template comprises fields for inputting: method steps, tasks, risks and controls to be assessed by the user prior to commencement of the job, and the input comprises entering the method steps, tasks, risks and controls using the downloaded information.

45. The method of claim 3 ~~or 4~~, wherein the method further comprises tracking whether the user has completed the form and flags to the field supervisor / manager and that the user has yet to complete the form, or tracks that the user has not completed the form, until the user has completed the form.

5. The method of claim 1, wherein the instructions of the portable personal computer devices further configure the portable personal computing device to:

xxvi) access a GPS unit of the portable personal computing device to determine its current location when the input is uploaded to the server and to also upload to the server the current location and current time;

wherein the instructions of the server further configure the server to:

xxvii) receive the uploaded current location and current time; and

xxviii) store the current location and current time in the record in association with the uploaded input;

wherein the method further comprises:

xxix) determining the current location of the portable personal computing device and current time; including the current location and current time in the upload to the server; and

xxx) storing the current location and current time in the record in association with the uploaded input.

Advertisement pursuant to FCR 34.41

Australian Innovation Patent No. 2017100943

The Applicant, Repipe Pty Ltd, has applied to amend Australian Innovation Patent No. 2017100943 dated 17 July 2017 entitled "Methods and Systems for Providing and Receiving Information For Risk Management in the Field" as follows:

Proceeding in which the application will be made: Repipe Pty Ltd v Commissioner of Patents: Federal Court Action WAD 323 of 2018.

Particulars of amendment sought: as set out in the accompanying Interlocutory Application dated 14 January 2020 made in the proceeding at Annexure B.

Applicant's address for service is: Provan Legal, 35 Maynard Way, Karrinyup WA 6018.

Notice: a person intending to oppose the application who is not a party to the proceeding must within 28 days of publication of this advertisement give notice of that intention to:

1. The Commissioner of Patents.
2. The Applicant.

ANNEXURE B

No. 323 of 2018

Federal Court of Australia

District Registry: Western Australia

Division: General

On appeal from the Commissioner of Patents

REPIPE PTY LTD

Appellant

COMMISSIONER OF PATENTS

Respondent

This is Annexure A referred to in the Interlocutory application dated 14 January 2020

**In the matter of:
Innovation Patent 2017100943
Methods and Systems for Providing and
Receiving Information For Risk
Management in the Field
Repipe Pty Ltd**

Statement of Proposed Amendments

2. Specification page 3 Replace page 3 with the new pages 3, 3A to 3H filed herewith, with changes being as shown on the marked up copy herewith.
3. Specification page 35 Replace the page 35 with the amended pages 35, 35A to 35B filed herewith, with changes being as shown on the marked up copy herewith.
4. Claim page 36 Replace the page 36 with the amended pages 36 to 42 filed herewith, with changes being as shown on the marked up copy herewith.

[0006] Any references to documents that are made in this specification are not intended to be an admission that the information contained in those documents form part of the common general knowledge known to a person skilled in the field of the invention, unless explicitly stated as such.

[0007] Throughout the specification and claims, unless the context requires otherwise, the word "comprise" or variations such as "comprises" or "comprising", will be understood to imply the inclusion of a stated integer or group of integers but not the exclusion of any other integer or group of integers.

Summary of the Invention

[0008] Disclosed are methods and systems for providing and receiving information for risk management in the field, and more particularly, methods and systems for accessing permits, plans, risk assessments and equipment information, auto-populating documents, and for transmitting data and receiving notifications based upon user-specific location, activity, authority and changes in each. The disclosed systems and methods for risk management provide tools to support and engage front line employees in the process of risk management and encourage them to complete the risk management tasks in an appropriate manner.

[0008A] According to an aspect of the present invention there is provided a method of configuring a server and portable personal computing devices to enable providing information for risk management to each of a plurality of users of the configured portable personal computing devices when performing a job in the field,

- I) where the job is one of a number of possible jobs the user may be assigned to perform in the field and where the assignment of the user to one of the jobs is recorded on a server, and
- II) where the user has one or more possible roles to perform in relation to the job and is assigned a current role from one of the possible roles in relation to the job,
- III) where the user has a maximum authority in relation to the respective role for the respective job, and
- IV) where the user is assigned a current authority in relation to the respective role for the respective job,

3A

said method comprising:

- a) providing a server with at least one computer program comprising instructions which when executed cause the server to be configured to:
 - i) store in a database stored in a storage device of the server assignment of each user to a respective one or more of the jobs;
 - ii) store in the database each role that each user may be assigned to in relation to a job that they may be assigned;
 - iii) store in the database a maximum authority in relation to each role the user may be assigned;
 - iv) store in the database a role assigned to each user for each assigned job;
 - v) store in the database a current authority that the user has in relation to each role the user has for each job that the user is assigned to;
 - vi) receive from a requesting user's portable personal computing device a user identifier and a request for a list of the possible jobs associated with the identified user;
 - vii) retrieve from the database the jobs that the user is assigned to;
 - viii) send the retrieved jobs as the list to the requesting portable personal computing device;
 - ix) receive from the requesting portable personal computing device of the identified user a selected job and a request for information related to performing the selected job;
 - x) generate information related to each job which is determined according to the user's current role in relation to the selected job as stored in the database, and the current authority that user has in relation to the selected job as stored in the database, wherein the generated information comprises information determined according to the role of the user in relation to the selected job, and the current authority that user has in relation to the selected job, said generated information being suitable for creating a risk related dynamic document based on this generated information;
 - xi) send the generated information to the requesting user's portable personal computing device;
 - xii) receive a selection from the user's portable personal computing device based on the generated information;
 - xiii) record the selection for use in relation to the selected job;

3B

- b) providing each of the portable personal computing devices with at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:
 - xiv) identify the user using the user's portable personal computing device;
 - xv) request from the server, via a communication means, the list of the possible jobs associated with the identified user;
 - xvi) receive the list from the server, via the communication means;
 - xvii) display to the user using a display device of the portable personal computing device the received list in a manner suitable for selection of an item from the received list by the user;
 - xviii) receive a selection from the user of a job to be performed by the identified user from the displayed list with an input device of the portable personal computing device;
 - xix) request from the server information related to the selected job, via the communication means;
 - xx) receive from the server downloaded information, via the communication means;
 - xxi) generate the risk related dynamic document created from the received information;
 - xxii) display the risk related dynamic document using the display device including at least part of the document being in the form of one or more indicia for selection of one or more of the indicia so as to complete the risk related dynamic document;
 - xxiii) receive from the user a selection of at least one of the indicia with the input device;
 - xxiv) upload the indicia selection to the server as the selection made based on the generated information, via the communication means;
- c) identifying the user using the user's configured portable personal computing device;
- d) requesting from the configured server the list of the possible jobs associated with the identified user;
- e) receiving, by the configured portable personal computing device, the list of the possible jobs associated with the identified user from the configured server;

- f) receiving, via the input device, a selection of a job to be performed by the identified user from the received list of the possible jobs associated with the identified user, the selection corresponding with an indicium displayed on a screen of the portable personal computing device;
- g) downloading from the configured server information related to the selected job to the configured portable personal computing device;
- h) generating the risk related dynamic document from the downloaded information;
- i) displaying the downloaded information for selection of one or more indicia on the display device so as to complete the risk related dynamic document, wherein completion of the dynamic document is required for the user to be able to commence or to complete the work required of the identified user's role in relation to the selected job;
- j) receiving user input to the configured portable personal computing device, wherein the user input comprises a selection of at least one of the indicia;
- k) uploading the user input to the configured server;
- l) using the uploaded user input in relation to the selected job.

In an embodiment one or more computer programs of the portable personal computing device comprise further instructions which configure the portable personal computing device to:

determine when the identified user requires a permit to perform the selection job and when the portable personal computing device is at a location at which the selected job is to be performed, and if so determined:

- i) initiate GPS tracking of the location of the portable personal computing device;
- ii) retrieve a geofence determined by the location at which the selected job is to be performed from the server;
- iii) track whether the location of the portable personal computing device is within the geofence;
- iv) track whether the permit to perform the selected job has expired;
- v) determine when the location of the portable personal computing device is within the geofence and when the permit to perform the selected job has expired, and if so determined generate a notification.

3D

[0008B]. In an embodiment the method further comprises determining what the user is permitted to do in relation to the selected job according to the role the user has in relation to the job, the received user input, and the respective user's current permitted authority in relation to the role for the selected job and displaying on the portable personal computing device what the user has been determined to be permitted to do in relation to the selected job.

[0008C]. In an embodiment the downloaded information comprises a form template that is to be completed by the person according to their role in relation to the selected job, wherein the user completes the form, wherein completion of the form comprises using the portable personal computing device to allocate of other persons allocated to the selected job to roles in relation to a permit, wherein the downloaded information comprises an indication to the user of the maximum authorities that can be allocated to each other person for their respective role in relation to the selected job; and the method further comprises displaying indicia able to be selected for allocation of one or more roles in relation to the permit; and the display of what the user has been determined to be permitted to comprises whether the user is currently permitted to perform the job.

[0008D]. In an embodiment the current authority in relation to the respective role of the user for the selected job is allocated from a hierarchy of authorities available up to a maximum authority of the user for an enterprise for which the user is able to complete the work by a supervisory user of the enterprise having authority to make such a change.

[0008E] Also according to the present invention there is provided a risk management system comprising:

- a) a server having a storage device;
- b) a plurality of portable personal computing devices;
- c) a communication channel between the server and each portable personal computing device;

3E

- d) wherein the server is configured to receive communication requests for information from each portable personal computing device and to send information to each portable personal computing device through the communication channel;
- e) wherein each portable personal computing device is configured to send and receive information to and from the server through the communication channel;
- f) wherein each portable personal computing device is configured to identify a respective user of the respective portable personal computing device;
- g) wherein the system has at least one computer program comprising instructions which when executed cause the server to be characterised by:
 - I) the server being configured to store in a database stored in the storage device of the server:
 - i) a plurality of user identifiers, each one being related to zero, one or more of a plurality of jobs, and each user's role with respect to each job,
 - ii) assignment of each user to a respective one or more of the jobs, each role that each user may be assigned to in relation to a job that they may be assigned,
 - iii) each user's maximum authority in relation to the respective role for the respective job,
 - iv) a role assigned to each user for each assigned job,
 - v) each user's current permitted authority in relation to the respective role for the respective job;wherein each user's current authority in relation to the respective role for the respective job may be changed, as required, up to the user's maximum authority in relation to the respective role for the respective job by a supervisory user having authority to make such a change;
 - II) the server being configured to:
 - vi) receive from a requesting user's portable personal computing device a user identifier and a request for a list of the possible jobs associated with the identified user;
 - vii) retrieve from the database the jobs that the user is assigned to;
 - viii) send the retrieved jobs as the list to the requesting portable personal computing device;
 - ix) receive from the requesting user's portable personal computing device a selected job and a request for information related to performing the selected job;

3F

- III) the server being configured to operate as a rules engine configured to:
 - x) determine what one of the users is permitted to do in relation to one of the jobs according to the role the user has in relation to the respective job, information received from one or more portable person computing devices, the information being one or more inputs received from one or more respective users in the field, and the respective user's current permitted authority in relation to the respective role for the respective job, and
 - xi) to generate information related to each job which is determined according to the user's current role in relation to the selected job as stored in the database, and the current authority that user has in relation to the selected job as stored in the database, wherein the generated information comprises information determined according to the user's role in relation to the selected job, and the current authority that user has in relation to the selected job and which is suitable for creating a risk related dynamic document based on this information;
- IV) the server being configured to:
 - xii) send the generated information to the requesting user's portable personal computing device;
 - xiii) receive a selection made based on the generated information from the user's portable personal computing device;
 - xiv) record the selection for use in relation to the selected job;
- h) wherein each portable personal computing device has at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:
 - xv) identify the user using the user's portable personal computing device;
 - xvi) request from the server, via a communication means, the list of the possible jobs associated with the identified user;
 - xvii) receive the list from the server, via the communication means;
 - xviii) display to the user using a display device of the portable personal computing device the received list in a manner suitable for selection of an item from the received list;

- xix) receive a selection of a job to be performed by the identified user from the received list with an input device of the portable personal computing device;
- xx) request from the server information related to the selected job, via the communication means;
- xxi) receive downloaded information from the server to the respective portable personal computing device that is related to the selected job, via the communication means, wherein the received information is determined according to the user's role in relation to the selected job, and the current authority that the user's role has on the selected job;
- xxii) generate the risk related dynamic document created from the received information;
- xxiii) display the risk related dynamic document using the display device including at least part of the document being in the form of one or more indicia for selection of one or more of the indicia, each related to a portion of the information so as to complete a risk related dynamic document created from the received information, wherein completion of the dynamic document is required for the identified user's role in relation to the selected job;
- xxiv) receive user input to the respective portable personal computing device, wherein the user input comprises a selection of at least one of the indicia;
- xxv) upload the indicia selection to the server as the selection made based on the generated information, via the communication channel, to send information comprising the user input to the server, whereby a record of the user input is able to be stored by the server and used in relation to the selected job;
- i) wherein the server is further configured by the respective instructions to:
 - A) determine a response according to the sent user input, wherein the response determines what the user of the portable personal computing device is permitted to do in respect of the job and/or what other users are permitted to do in respect of the job,
 - B) transmit the response, via the communications channel, to one or more of the portable personal computing devices according to the respective user's role in relation to the respective job;
- j) wherein the portable personal computing devices are further configured by the respective instructions to act according to the received response.

3H

[0009] One embodiment of the disclosed systems and methods provides:

1. The ability for front line employees to complete their risk management documents via a portable computing device, such as an iPhone/ iPad/Android. This includes: Pre-Start Checklists, Job Safety Assessments (JSAs), Take 5's, Permits etc.
2. Access and review of:
 - a) Personnel qualifications;
 - b) Material Safety Data Sheets (commonly "MSDS");
 - c) Logbooks;
 - d) Equipment Risk Assessments;
 - e) Job Method Statements / Notes / Photos etc.;
 - f) Company Procedures; and
 - g) Company Risk Alerts.
3. The tools engage front line employees by:
 - a) Prompting them to consider lists of Method Steps, Tasks, Risks and Controls populated and managed by oversight employees. They also have the capacity

- i. All of the Plans etc. attached to the Job Library (via the desktop application),
- ii. All of the documents they have created or signed onto;
- b. Site Supervisors and Project Managers can see all of the above - as well as all of the documents created or issued by anyone else on the Job.

[0159] General Operational

[0160] The tools of the invention may be provided as three applications. These applications are a desktop backend, a desktop frontend, and a mobile application. Each of these applications have different operational functions and access different sets of information found in the organisation database 1212 and the job database 1214 that form the job library 1210.

[0161] The invention can be implemented as described herein, in part, by way of controlling the server's processor 1002 with computer program(s) of the mobile user (interface) application 1040 and backend user application 1042 stored in the memory/storage 1008 which for example can be implemented by programming language instructions that implement the following pseudo code in a programming language(s) determined at the time of implementation of the invention:

```
Start backend user application;  
Create job library;  
Create organisation database // (odb)  
Create job database // (jdb);  
Receive a list of jobs via the backend user application;  
Store the list in the jdb;  
Receive an assignment of a user to a selected job via the backend user application;  
Store the assignment in the jdb;  
Receive a list of possible roles via the backend user application;  
Store the list of possible roles in the jdb;  
Receive a selection of a role of a user in relation to a selected job;  
Store the selection in the jdb;
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35A

Receive a list of possible authorities that a user may have in relation to a role; Store the list of possible authorities the jdb;

Receive a selection of one of the authorities for a user to have in relation to a role as a maximum authority of the user for that role;

Store the selection in the jdb;

Receive an allocation of one of the authorities for a user to have in relation to a role for a job as a current authority;

Store the allocation in the jdb;

Start mobile user interface application;

In mobile user interface application, in parallel repeat:

Wait for jobs request from smartphone;

Receive user id from smartphone with smartphone id;

Store user id in job library against smartphone id;

Lookup and retrieve list of jobs allocated to user id in jdb;

Send retrieved list of jobs to smartphone having smartphone id;

In mobile user interface application, in parallel repeat:

Wait for information request from smartphone;

Receive job id and request for information from smartphone having smartphone id;

Lookup and retrieve current role and current authority for received job id and information determined according to user's retrieved role in relation the retrieved current authority from odb;

Send retrieved information to smartphone having smartphone id;

In mobile user interface application, in parallel repeat:

Wait for a selection from smartphone;

Receive selection from smartphone having smartphone id;

Store the selection in relation to smartphone id and user id in job library

end

35B

[0162] The invention can be implemented as described herein, in part, by way of controlling the smartphone's processor 1102 with computer program(s) of the mobile user application 1120 stored in the memory/storage 1104 which for example can be implemented by programming language instructions that implement the following pseudo code in a programming language(s) determined at the time of implementation of the invention:

```
Start mobile user application 1120;
Identify user;
Contact Server and request list of jobs allocated to identified user be send to
smartphone's id;
Receive list of jobs from server;
Display list of jobs on screen;
Receive a selection of job via touch input;
Contact server and provide selected job;
Receive information from server;
Generate the risk related dynamic document from the received information;
Display risk related dynamic document on screen including at least part of the
document being in the form of one or more indicia;
Receive selection of at least one of the indicia with the input device document via touch
input;
Contact server and upload the selection to the server
end
```

[0163] This disclosure is intended to explain how to fashion and use various embodiments in accordance with the technology rather than to limit the true, intended, and fair scope and spirit thereof. The foregoing description is not intended to be exhaustive or to be limited to the precise forms disclosed. Modifications or variations are possible in light of the above teachings. The embodiment(s) were chosen and described to provide the best illustration of the principle of the described technology and its practical application, and to enable one of ordinary skill in the art to utilise the technology in various embodiments and with various modifications as are suited to the particular use contemplated. All such modifications and variations are within the scope of the invention as determined by the appended claims, as may be amended during the pendency of this application for patent, and all equivalents thereof, when interpreted in accordance with the breadth to which they are fairly, legally and equitably entitled.

Claims

1. A method of configuring a server and portable personal computing devices to enable providing information for risk management to each of a plurality of users of the configured portable personal computing devices when performing a job in the field,

- I) where the job is one of a number of possible jobs the user may be assigned to perform in the field and where the assignment of the user to one of the jobs is recorded on a server, and
- II) where the user has one or more possible roles to perform in relation to the job and is assigned a current role from one of the possible roles in relation to the job,
- III) where the user has a maximum authority in relation to the respective role for the respective job, and
- IV) where the user is assigned a current authority in relation to the respective role for the respective job,

said method comprising:

a) providing a server with at least one computer program comprising instructions which when executed cause the server to be configured to:

- i) store in a database stored in a storage device of the server assignment of each user to a respective one or more of the jobs;
- ii) store in the database each role that each user may be assigned to in relation to a job that they may be assigned;
- iii) store in the database a maximum authority in relation to each role the user may be assigned;
- iv) store in the database a role assigned to each user for each assigned job;
- v) store in the database a current authority that the user has in relation to each role the user has for each job that the user is assigned to;
- vi) receive from a requesting user's portable personal computing device a user identifier and a request for a list of the possible jobs associated with the identified user;
- vii) retrieve from the database the jobs that the user is assigned to;
- viii) send the retrieved jobs as the list to the requesting portable personal computing device;

- ix) receive from the requesting portable personal computing device of the identified user a selected job and a request for information related to performing the selected job;
 - x) generate information related to each job which is determined according to the user's current role in relation to the selected job as stored in the database, and the current authority that user has in relation to the selected job as stored in the database, wherein the generated information comprises information determined according to the role of the user in relation to the selected job, and the current authority that user has in relation to the selected job, said generated information being suitable for creating a risk related dynamic document based on this generated information;
 - xi) send the generated information to the requesting user's portable personal computing device;
 - xii) receive a selection from the user's portable personal computing device based on the generated information;
 - xiii) record the selection for use in relation to the selected job;
- b) providing each of the portable personal computing devices with at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:
- xiv) identify the user using the user's portable personal computing device;
 - xv) request from the server, via a communication means, the list of the possible jobs associated with the identified user;
 - xvi) receive the list from the server, via the communication means;
 - xvii) display to the user using a display device of the portable personal computing device the received list in a manner suitable for selection of an item from the received list by the user;
 - xviii) receive a selection from the user of a job to be performed by the identified user from the displayed list with an input device of the portable personal computing device;
 - xix) request from the server information related to the selected job, via the communication means;
 - xx) receive from the server downloaded information, via the communication means;



- xxi) generate the risk related dynamic document created from the received information;
 - xxii) display the risk related dynamic document using the display device including at least part of the document being in the form of one or more indicia for selection of one or more of the indicia so as to complete the risk related dynamic document;
 - xxiii) receive from the user a selection of at least one of the indicia with the input device;
 - xxiv) upload the indicia selection to the server as the selection made based on the generated information, via the communication means;
- c) identifying the user using the user's configured portable personal computing device
 - d) requesting from the configured server the list of the possible jobs associated with the identified user;
 - e) receiving, by the configured portable personal computing device, the list of the possible jobs associated with the identified user from the configured server;
 - f) receiving, via the input device, a selection of a job to be performed by the identified user from the received list of the possible jobs associated with the identified user, the selection corresponding with an indicium displayed on a screen of the portable personal computing device;
 - g) downloading from the configured server information related to the selected job to the configured portable personal computing device;
 - h) generating the risk related dynamic document from the downloaded information;
 - i) displaying the downloaded information for selection of one or more indicia on the display device so as to complete the risk related dynamic document, wherein completion of the dynamic document is required for the user to be able to commence or to complete the work required of the identified user's role in relation to the selected job;
 - j) receiving user input to the configured portable personal computing device, wherein the user input comprises a selection of at least one of the indicia;
 - k) uploading the user input to the configured server;
 - l) using the uploaded user input in relation to the selected job.

2. The method of claim 1, wherein the method further comprises determining what the user is permitted to do in relation to the selected job according to the role the user has in relation to the job, the received user input, and the respective user's current permitted authority in relation to the role for the selected job and displaying on the portable personal computing device what the user has been determined to be permitted to do in relation to the selected job.

3. The method of claim 2, wherein the downloaded information comprises a form template that is to be completed by the person according to their role in relation to the selected job, wherein the user completes the form, wherein completion of the form comprises using the portable personal computing device to allocate of other persons allocated to the selected job to roles in relation to a permit, wherein the downloaded information comprises an indication to the user of the maximum authorities that can be allocated to each other person for their respective role in relation to the selected job; and the method further comprises displaying indicia able to be selected for allocation of one or more roles in relation to the permit; and the display of what the user has been determined to be permitted to comprises whether the user is currently permitted to perform the job.

4. The method of any one of claims 1 to 3, wherein one or more computer programs of the portable personal computing device comprise further instructions which configure the portable personal computing device to:

determine when the identified user requires a permit to perform the selection job and when the portable personal computing device is at a location at which the selected job is to be performed, and if so determined:

- i) initiate GPS tracking of the location of the portable personal computing device;
- ii) retrieve a geofence determined by the location at which the selected job is to be performed from the server;
- iii) track whether the location of the portable personal computing device is within the geofence;
- iv) track whether the permit to perform the selected job has expired;
- v) determine when the location of the portable personal computing device is within the geofence and when the permit to perform the selected job has expired, and if so determined generate a notification.

5. A risk management system comprising:

- a) a server having a storage device;
- b) a plurality of portable personal computing devices;
- c) a communication channel between the server and each portable personal computing device;
- d) wherein the server is configured to receive communication requests for information from each portable personal computing device and to send information to each portable personal computing device through the communication channel;
- e) wherein each portable personal computing device is configured to send and receive information to and from the server through the communication channel;
- f) wherein each portable personal computing device is configured to identify a respective user of the respective portable personal computing device;
- g) wherein the system has at least one computer program comprising instructions which when executed cause the server to be characterised by:

I) the server being configured to store in a database stored in the storage device of the server:

- i) a plurality of user identifiers, each one being related to zero, one or more of a plurality of jobs, and each user's role with respect to each job,
 - ii) assignment of each user to a respective one or more of the jobs, each role that each user may be assigned to in relation to a job that they may be assigned,
 - iii) each user's maximum authority in relation to the respective role for the respective job,
 - iv) a role assigned to each user for each assigned job,
 - v) each user's current permitted authority in relation to the respective role for the respective job;
- wherein each user's current authority in relation to the respective role for the respective job may be changed, as required, up to the user's maximum authority in relation to the respective role for the respective job by a supervisory user having authority to make such a change;

II) the server being configured to:

- vi) receive from a requesting user's portable personal computing device a user identifier and a request for a list of the possible jobs associated with the identified user;
- vii) retrieve from the database the jobs that the user is assigned to;
- viii) send the retrieved jobs as the list to the requesting portable personal computing device;

vix) receive from the requesting user's portable personal computing device a selected job and a request for information related to performing the selected job;

III) the server being configured to operate as a rules engine configured to:

x) determine what one of the users is permitted to do in relation to one of the jobs according to the role the user has in relation to the respective job, information received from one or more portable person computing devices, the information being one or more inputs received from one or more respective users in the field, and the respective user's current permitted authority in relation to the respective role for the respective job, and

xi) to generate information related to each job which is determined according to the user's current role in relation to the selected job as stored in the database, and the current authority that user has in relation to the selected job as stored in the database, wherein the generated information comprises information determined according to the user's role in relation to the selected job, and the current authority that user has in relation to the selected job and which is suitable for creating a risk related dynamic document based on this information;

IV) the server being configured to:

xii) send the generated information to the requesting user's portable personal computing device;

xiii) receive a selection made based on the generated information from the user's portable personal computing device;

xiv) record the selection for use in relation to the selected job;

h) wherein each portable personal computing device has at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:

xv) identify the user using the user's portable personal computing device;

xvi) request from the server, via a communication means, the list of the possible jobs associated with the identified user;

xvii) receive the list from the server, via the communication means;

xviii) display to the user using a display device of the portable personal computing device the received list in a manner suitable for selection of an item from the received list;

xix) receive a selection of a job to be performed by the identified user from the received list with an input device of the portable personal computing device;

- xx) request from the server information related to the selected job, via the communication means;
 - xxi) receive downloaded information from the server to the respective portable personal computing device that is related to the selected job, via the communication means, wherein the received information is determined according to the user's role in relation to the selected job, and the current authority that the user's role has on the selected job;
 - xxii) generate the risk related dynamic document created from the received information;
 - xxiii) display the risk related dynamic document using the display device including at least part of the document being in the form of one or more indicia for selection of one or more of the indicia, each related to a portion of the information so as to complete a risk related dynamic document created from the received information, wherein completion of the dynamic document is required for the identified user's role in relation to the selected job;
 - xxiv) receive user input to the respective portable personal computing device, wherein the user input comprises a selection of at least one of the indicia;
 - xxv) upload the indicia selection to the server as the selection made based on the generated information, via the communication channel send information comprising the user input to the server, whereby a record of the user input is able to be stored by the server and used in relation to the selected job;
- i) wherein the server is further configured by the respective instructions to:
- A) determine a response according to the sent user input, wherein the response determines what the user of the portable personal computing device is permitted to do in respect of the job and/or what other users are permitted to do in respect of the job,
 - B) transmit the response, via the communications channel, to one or more of the portable personal computing devices according to the respective user's role in relation to the respective job;
- j) wherein the portable personal computing devices are further configured by the respective instructions to act according to the received response.

Mark up of Amendments

(Insertion bold and underline, deletion ~~bold and strikethrough~~)

1. Insert the following paragraphs after [0008] on page 3:

[0008A] According to an aspect of the present invention there is provided a method of configuring a server and portable personal computing devices to enable providing information for risk management to each of a plurality of users of the configured portable personal computing devices when performing a job in the field,

- I) **where the job is one of a number of possible jobs the user may be assigned to perform in the field and where the assignment of the user to one of the jobs is recorded on a server, and**
- II) **where the user has one or more possible roles to perform in relation to the job and is assigned a current role from one of the possible roles in relation to the job,**
- III) **where the user has a maximum authority in relation to the respective role for the respective job, and**
- IV) **where the user is assigned a current authority in relation to the respective role for the respective job,**

said method comprising:

- a) **providing a server with at least one computer program comprising instructions which when executed cause the server to be configured to:**
 - i) **store in a database stored in a storage device of the server assignment of each user to a respective one or more of the jobs;**
 - ii) **store in the database each role that each user may be assigned to in relation to a job that they may be assigned;**
 - iii) **store in the database a maximum authority in relation to each role the user may be assigned;**
 - iv) **store in the database a role assigned to each user for each assigned job;**
 - v) **store in the database a current authority that the user has in relation to each role the user has for each job that the user is assigned to;**

- vi) receive from a requesting user's portable personal computing device a user identifier and a request for a list of the possible jobs associated with the identified user;
- vii) retrieve from the database the jobs that the user is assigned to;
- viii) send the retrieved jobs as the list to the requesting portable personal computing device;
- ix) receive from the requesting portable personal computing device of the identified user a selected job and a request for information related to performing the selected job;
- x) generate information related to each job which is determined according to the user's current role in relation to the selected job as stored in the database, and the current authority that user has in relation to the selected job as stored in the database, wherein the generated information comprises information determined according to the role of the user in relation to the selected job, and the current authority that user has in relation to the selected job, said generated information being suitable for creating a risk related dynamic document based on this generated information;
- xi) send the generated information to the requesting user's portable personal computing device;
- xii) receive a selection from the user's portable personal computing device based on the generated information;
- xiii) record the selection for use in relation to the selected job;
- b) providing each of the portable personal computing devices with at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:
 - xiv) identify the user using the user's portable personal computing device;
 - xv) request from the server, via a communication means, the list of the possible jobs associated with the identified user;
 - xvi) receive the list from the server, via the communication means;
 - xvii) display to the user using a display device of the portable personal computing device the received list in a manner suitable for selection of an item from the received list by the user;
 - xviii) receive a selection from the user of a job to be performed by the identified user from the displayed list with an input device of the portable personal computing device;

- xix) request from the server information related to the selected job, via the communication means;
- xx) receive from the server downloaded information, via the communication means;
- xxi) generate the risk related dynamic document created from the received information;
- xxii) display the risk related dynamic document using the display device including at least part of the document being in the form of one or more indicia for selection of one or more of the indicia so as to complete the risk related dynamic document;
- xxiii) receive from the user a selection of at least one of the indicia with the input device;
- xxiv) upload the indicia selection to the server as the selection made based on the generated information, via the communication means;
- c) identifying the user using the user's configured portable personal computing device;
- d) requesting from the configured server the list of the possible jobs associated with the identified user;
- e) receiving, by the configured portable personal computing device, the list of the possible jobs associated with the identified user from the configured server;
- f) receiving, via the input device, a selection of a job to be performed by the identified user from the received list of the possible jobs associated with the identified user, the selection corresponding with an indicium displayed on a screen of the portable personal computing device;
- g) downloading from the configured server information related to the selected job to the configured portable personal computing device;
- h) generating the risk related dynamic document from the downloaded information;
- i) displaying the downloaded information for selection of one or more indicia on the display device so as to complete the risk related dynamic document, wherein completion of the dynamic document is required for the user to be able to commence or to complete the work required of the identified user's role in relation to the selected job;
- j) receiving user input to the configured portable personal computing device, wherein the user input comprises a selection of at least one of the indicia;
- k) uploading the user input to the configured server;
- l) using the uploaded user input in relation to the selected job.

[0008B]. In an embodiment the method further comprises determining what the user is permitted to do in relation to the selected job according to the role the user has in relation to the job, the received user input, and the respective user's current permitted authority in relation to the role for the selected job and displaying on the portable personal computing device what the user has been determined to be permitted to do in relation to the selected job.

[0008C]. In an embodiment the downloaded information comprises a form template that is to be completed by the person according to their role in relation to the selected job, wherein the user completes the form, wherein completion of the form comprises using the portable personal computing device to allocate of other persons allocated to the selected job to roles in relation to a permit, wherein the downloaded information comprises an indication to the user of the maximum authorities that can be allocated to each other person for their respective role in relation to the selected job; and the method further comprises displaying indicia able to be selected for allocation of one or more roles in relation to the permit; and the display of what the user has been determined to be permitted to comprises whether the user is currently permitted to perform the job.

[0008D]. In an embodiment the current authority in relation to the respective role of the user for the selected job is allocated from a hierarchy of authorities available up to a maximum authority of the user for an enterprise for which the user is able to complete the work by a supervisory user of the enterprise having authority to make such a change.

[0008E] In an embodiment one or more computer programs of the portable personal computing device comprise further instructions which configure the portable personal computing device to:

determine when the identified user requires a permit to perform the selection job and when the portable personal computing device is at a location at which the selected job is to be performed, and if so determined:

- i) initiate GPS tracking of the location of the portable personal computing device;**

- ii) retrieve a geofence determined by the location at which the selected job is to be performed from the server;
- iii) track whether the location of the portable personal computing device is within the geofence;
- iv) track whether the permit to perform the selected job has expired;
- v) determine when the location of the portable personal computing device is within the geofence and when the permit to perform the selected job has expired, and if so determined generate a notification.

[0008F] Also according to the present invention there is provided a risk management system comprising:

- a) a server having a storage device;
- b) a plurality of portable personal computing devices;
- c) a communication channel between the server and each portable personal computing device;
- d) wherein the server is configured to receive communication requests for information from each portable personal computing device and to send information to each portable personal computing device through the communication channel;
- e) wherein each portable personal computing device is configured to send and receive information to and from the server through the communication channel;
- f) wherein each portable personal computing device is configured to identify a respective user of the respective portable personal computing device;
- g) wherein the system has at least one computer program comprising instructions which when executed cause the server to be characterised by:
 - l) the server being configured to store in a database stored in the storage device of the server:
 - i) a plurality of user identifiers, each one being related to zero, one or more of a plurality of jobs, and each user's role with respect to each job,
 - ii) assignment of each user to a respective one or more of the jobs, each role that each user may be assigned to in relation to a job that they may be assigned,
 - iii) each user's maximum authority in relation to the respective role for the respective job,
 - iv) a role assigned to each user for each assigned job,

- v) each user's current permitted authority in relation to the respective role for the respective job;

wherein each user's current authority in relation to the respective role for the respective job may be changed, as required, up to the user's maximum authority in relation to the respective role for the respective job by a supervisory user having authority to make such a change;

II) the server being configured to:

- vi) receive from a requesting user's portable personal computing device a user identifier and a request for a list of the possible jobs associated with the identified user;
- vii) retrieve from the database the jobs that the user is assigned to;
- viii) send the retrieved jobs as the list to the requesting portable personal computing device;
- ix) receive from the requesting user's portable personal computing device a selected job and a request for information related to performing the selected job;

III) the server being configured to operate as a rules engine configured to:

- x) determine what one of the users is permitted to do in relation to one of the jobs according to the role the user has in relation to the respective job, information received from one or more portable person computing devices, the information being one or more inputs received from one or more respective users in the field, and the respective user's current permitted authority in relation to the respective role for the respective job, and
- xi) to generate information related to each job which is determined according to the user's current role in relation to the selected job as stored in the database, and the current authority that user has in relation to the selected job as stored in the database, wherein the generated information comprises information determined according to the user's role in relation to the selected job, and the current authority that user has in relation to the selected job and which is suitable for creating a risk related dynamic document based on this information;

IV) the server being configured to:

- xii) send the generated information to the requesting user's portable personal computing device;

xiii) receive a selection made based on the generated information from the user's portable personal computing device;

xiv) record the selection for use in relation to the selected job;

h) wherein each portable personal computing device has at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:

xv) identify the user using the user's portable personal computing device;

xvi) request from the server, via a communication means, the list of the possible jobs associated with the identified user;

xvii) receive the list from the server, via the communication means;

xviii) display to the user using a display device of the portable personal computing device the received list in a manner suitable for selection of an item from the received list;

xix) receive a selection of a job to be performed by the identified user from the received list with an input device of the portable personal computing device;

xx) request from the server information related to the selected job, via the communication means;

xxi) receive downloaded information from the server to the respective portable personal computing device that is related to the selected job, via the communication means, wherein the received information is determined according to the user's role in relation to the selected job, and the current authority that the user's role has on the selected job;

xxii) generate the risk related dynamic document created from the received information;

xxiii) display the risk related dynamic document using the display device including at least part of the document being in the form of one or more indicia for selection of one or more of the indicia, each related to a portion of the information so as to complete a risk related dynamic document created from the received information, wherein completion of the dynamic document is required for the identified user's role in relation to the selected job;

xxiv) receive user input to the respective portable personal computing device, wherein the user input comprises a selection of at least one of the indicia;

xxv) upload the indicia selection to the server as the selection made based on the generated information, via the communication channel, to

send information comprising the user input to the server, whereby a record of the user input is able to be stored by the server and used in relation to the selected job;

i) wherein the server is further configured by the respective instructions to:

A) determine a response according to the sent user input, wherein the response determines what the user of the portable personal computing device is permitted to do in respect of the job and/or what other users are permitted to do in respect of the job,

B) transmit the response, via the communications channel, to one or more of the portable personal computing devices according to the respective user's role in relation to the respective job;

j) wherein the portable personal computing devices are further configured by the respective instructions to act according to the received response.

2. Renumber current paragraph [0161] as [0163] and insert new paras [0161] and [0162] on page 35.

[0162] The invention can be implemented as described herein, in part, by way of controlling the server's processor 1002 with computer program(s) of the mobile user (interface) application 1040 and backend user application 1042 stored in the memory/storage 1008 which for example can be implemented by programming language instructions that implement the following pseudo code in a programming language(s) determined at the time of implementation of the invention:

Start backend user application;

Create job library;

Create organisation database // (odb)

Create job database // (jdb);

Receive a list of jobs via the backend user application;

Store the list in the jdb;

Receive an assignment of a user to a selected job via the backend user application;

Store the assignment in the jdb;

Receive a list of possible roles via the backend user application;

Store the list of possible roles in the jdb;

Receive a selection of a role of a user in relation to a selected job;

Store the selection in the jdb;

Receive a list of possible authorities that a user may have in relation to a role;

Store the list of possible authorities the jdb;

Receive a selection of one of the authorities for a user to have in relation to a role as a maximum authority of the user for that role;

Store the selection in the jdb;

Receive an allocation of one of the authorities for a user to have in relation to a role for a job as a current authority;

Store the allocation in the jdb;

Start mobile user interface application;

In mobile user interface application, in parallel repeat:

Wait for jobs request from smartphone;

Receive user id from smartphone with smartphone id;

Store user id in job library against smartphone id;

Lookup and retrieve list of jobs allocated to user id in jdb;

Send retrieved list of jobs to smartphone having smartphone id;

In mobile user interface application, in parallel repeat:

Wait for information request from smartphone;

Receive job id and request for information from smartphone having smartphone id;

Lookup and retrieve current role and current authority for received job id and information determined according to user's retrieved role in relation the retrieved current authority from odb;

Send retrieved information to smartphone having smartphone id;

In mobile user interface application, in parallel repeat:

Wait for a selection from smartphone;

Receive selection from smartphone having smartphone id;

Store the selection in relation to smartphone id and user id in job library

end

[0163] The invention can be implemented as described herein, in part, by way of controlling the smartphone's processor 1102 with computer program(s) of the mobile user application 1120 stored in the memory/storage 1104 which for example can be implemented by programming language instructions that implement the following pseudo code in a programming language(s) determined at the time of implementation of the invention:

Start mobile user application 1120;

Identify user;

Contact Server and request list of jobs allocated to identified user be send to smartphone's id;

Receive list of jobs from server;

Display list of jobs on screen;

Receive a selection of job via touch input;

Contact server and provide selected job;

Receive information from server;

Generate the risk related dynamic document from the received information;

Display risk related dynamic document on screen including at least part of the document being in the form of one or more indicia;

Receive selection of at least one of the indicia with the input device document via touch input;

Contact server and upload the selection to the server

end

3. Replace claims 1 to 5 on page 36 with the following proposed claims, with basis for the amendment as indicated:

1. A method of **configuring a server and portable personal computing devices to enable** providing information for risk management to **each of a plurality of users** of **the configured** portable personal computing devices **when** performing a job in the field,

I) _____ where the job is one of a number of possible jobs the user may be assigned to perform in the field and where the assignment of the user to one of the jobs is recorded on a server, and

II) _____ where the user has one or more possible roles to perform in relation to the job and is assigned a current role from one of the possible roles in relation to the job,

III) _____ where the user has a maximum authority in relation to the respective role for the respective job, and

IV) _____ where the user is assigned a current authority in relation to the respective role for the respective job,

said method comprising:

a) providing a server with at least one computer program comprising instructions which when executed cause the server to be configured to:

i) store in a database stored in a storage device of the server assignment of each user to a respective one or more of the jobs;

ii) store in the database each role that each user may be assigned to in relation to a job that they may be assigned;

iii) store in the database a maximum authority in relation to each role the user may be assigned;

iv) store in the database a role assigned to each user for each assigned job;

v) store in the database a current authority that the user has in relation to each role the user has for each job that the user is assigned to;

vi) receive from a requesting user's portable personal computing device a user identifier and a request for a list of the possible jobs associated with the identified user;

vii) retrieve from the database the jobs that the user is assigned to;

viii) send the retrieved jobs as the list to the requesting portable personal computing device;

ix) receive from the requesting portable personal computing device of the identified user a selected job and a request for information related to performing the selected job;

x) generate information related to each job which is determined according to the user's current role in relation to the selected job as stored in the database, and the current authority that user has in relation to the selected job as stored in the database, wherein the generated information comprises information determined according to the role of the user in relation to the selected job, and the current authority that user has in relation to the selected job, said generated information being suitable for creating a risk related dynamic document based on this generated information;

xi) send the generated information to the requesting user's portable personal computing device;

xii) receive a selection from the user's portable personal computing device based on the generated information;

xiii) record the selection for use in relation to the selected job;

b) providing each of the portable personal computing devices with at least one computer program comprising instructions which when executed cause each portable personal computing device to be configured to:

xiv) identify the user using the user's portable personal computing device;

xv) request from the server, via a communication means, the list of the possible jobs associated with the identified user;

xvi) receive the list from the server, via the communication means;

xvii) display to the user using a display device of the portable personal computing device the received list in a manner suitable for selection of an item from the received list by the user;

xviii) receive a selection from the user of a job to be performed by the identified user from the displayed list with an input device of the portable personal computing device;

xix) request from the server information related to the selected job, via the communication means;

xx) receive from the server downloaded information, via the communication means;

xxi) generate the risk related dynamic document created from the received information;

xxii) display the risk related dynamic document using the display device including at least part of the document being in the form of one or more indicia for selection of one or more of the indicia so as to complete the risk related dynamic document;

xxiii) receive from the user a selection of at least one of the indicia with the input device;

xxiv) upload the indicia selection to the server as the selection made based on the generated information, via the communication means;

c) identifying the user using the user's configured portable personal computing device

d) requesting from the configured server the list of the possible jobs associated with the identified user;

e) receiving, by the **configured** portable personal computing device, **the a**-list of the possible jobs associated with the identified user from the **configured** server;

f) **receiving, via the input device, a selection of selecting** a job to be performed by the identified user from the received list of the possible jobs associated with the identified user, **the selection corresponding with an indicium displayed on a screen of the portable personal computing device with the input device;**

g) downloading from the **configured** server information related to the selected job to the **configured** portable personal computing device ~~wherein the downloaded information comprises information determined according to the user's role in relation to the selected job, and the current authority that user has in relation to the selected job;~~

- h) generating the risk related dynamic document from the downloaded information;**
- i) displaying the downloaded information for selection of one or more indicia ~~in the information on the display device~~ so as to complete ~~a the~~ risk related dynamic document, wherein completion of the dynamic document ~~created from the received information~~ is required for the user to be able to commence or to complete the work required of the identified user's role in relation to the selected job;**
- j) receiving user input to the configured portable personal computing device, wherein the user input comprises a selection of at least one of the indicia;**
- k) uploading the user input to the configured server;**
- l) using the uploaded user input whereby a record of the input is able to be used** in relation to the selected job.

4. The method of any one of claims 1 to 3, wherein the ~~current authority in relation to the respective role of the user for the selected job is allocated from a hierarchy of authorities available up to a maximum authority of the user for an enterprise for which the user is able to complete the work by a supervisory user of the enterprise having authority to make such a change~~ one or more computer programs of the portable personal computing device comprise further instructions which configure the portable personal computing device to:

determine when the identified user requires a permit to perform the selection job and when the portable personal computing device is at a location at which the selected job is to be performed, and if so determined:

- i) initiate GPS tracking of the location of the portable personal computing device;**
- ii) retrieve a geofence determined by the location at which the selected job is to be performed from the server;**
- iii) track whether the location of the portable personal computing device is within the geofence;**
- iv) track whether the permit to perform the selected job has expired;**
- v) determine when the location of the portable personal computing device is within the geofence and when the permit to perform the selected job has expired, and if so determined generate a notification.**

5. A risk management system comprising:

- a) a server having a storage device;**
- b) a plurality of portable personal computing devices;**

- c) a communication channel between the server and each portable personal computing device;
- d) wherein the server is configured to receive communication requests for information from each portable personal computing device and to send information to each portable personal computing device through the communication channel;
- e) wherein each portable personal computing device is configured to send and receive information to and from the server through the communication channel;
- f) wherein each portable personal computing device is configured to identify a respective user of the respective portable personal computing device;
- g) wherein the system **has at least one computer program comprising instructions which when executed cause the server to be** is characterised by:

I) the server being configured to store in a database stored in the storage device of the server:

- i) a plurality of user identifiers, each one being related to zero, one or more of a plurality of jobs, and each user's role with respect to each job,**
- ii) assignment of each user to a respective one or more of the jobs, each role that each user may be assigned to in relation to a job that they may be assigned, and**
- iii) each user's maximum authority in relation to the respective role for the respective job, and**
- iv) a role assigned to each user for each assigned job,**
- v) each user's current permitted authority in relation to the respective role for the respective job;**
wherein each user's current authority in relation to the respective role for the respective job may be changed, as required, up to the user's maximum authority in relation to the respective role for the respective job by a supervisory user having authority to make such a change;

II) the server being configured to:

- vi) receive from a requesting user's portable personal computing device a user identifier and a request for a list of the possible jobs associated with the identified user;**
- vii) retrieve from the database the jobs that the user is assigned to;**
- viii) send the retrieved jobs as the list to the requesting portable personal computing device;**
- vix) receive from the requesting user's portable personal computing device a selected job and a request for information related to performing the selected job;**

III) ~~wherein~~ the server **being configured to operate as comprises** a rules engine configured to:

- x) determine what one of the users is permitted to do in relation to one of the jobs according to the role the user has in relation to the respective job, information received from one or more portable person computing devices, the information being one or more inputs received from one or more respective users in the field, and the respective user's current permitted authority in relation to the respective role for the respective job, and**
- xi) to generate information related to each job which is determined according to the user's current role in relation to the selected job as stored in the database, and the current authority that user has in relation to the selected job as stored in the database, wherein the generated information comprises information determined according to the user's role in relation to the selected job, and the current authority that user has in relation to the selected job and which is suitable for creating a risk related dynamic document based on this information;**

IV) the server being configured to:

- xii) send the generated information to the requesting user's portable personal computing device;**
- xiii) receive a selection made based on the generated information from the user's portable personal computing device;**
- xiv) record the selection for use in relation to the selected job;**

h) wherein each portable personal computing device has at least one computer program comprising instructions which when executed cause each portable personal computing device to be is configured to:

- xv) identify the user using the user's portable personal computing device;**
- xvi) request from the server, via a communication means, the list of the possible jobs associated with the identified user;**
- xvii) receive the list from the server, via the communication means;**
- xviii) display to the user using a display device of the portable personal computing device the received list in a manner suitable for selection of an item from the received list;**
- xix) receive a selection of select a job to be performed by the identified user from the received list with an input device of the portable personal computing device;**
- xx) request from the server information related to the selected job, via the communication means;**

xxi) receive **downloaded** information from the server to the respective portable personal computing device that is related to the selected job, **via the communication means**, wherein the received information is determined according to the user's role in relation to the selected job, and the current authority that the user's role has on the selected job;

xxii) generate the risk related dynamic document created from the received information;

xxiii) _____ display **the risk related dynamic document using the display device including at least part of the document being in the form of** one or more indicia **for selection of one or more of the indicia**, each related to a portion of the information so as to complete a risk related dynamic document created from the received information, wherein completion of the dynamic document is required for the identified user's role in relation to the selected job;

xxiv) _____ receive user input to the respective portable personal computing device, wherein the user input comprises a selection of at least one of the indicia;

xxv) upload the indicia selection to the server as the selection made based on the generated information, via the communication channel send information comprising the user input to the server, whereby a record of the user input is able to be stored by the server and used in relation to the selected job;

i) wherein the server is further configured by the respective instructions to:

A) determine a response ~~is determined by the server~~ according to the sent user input, wherein the response determines what the user of the portable personal computing device is permitted to do in respect of the job and/or what other users are permitted to do in respect of the job,

B) transmit wherein the response ~~is transmitted~~, **via the communications channel**, to one or more of the portable personal computing devices according to the respective user's role in relation to the respective job;

j) wherein the portable personal computing devices are further configured by the respective instructions to act according to the received response.