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PERMANENT NOTICES

Lusaka Agreement

The African Regional Intellectual Property Organization (ARIPO) was established by the Lusaka Agreement which was adopted on 9 December, 1976. Objectives of the Organization are, inter alia, to promote, harmonize and develop the intellectual property system of the region.

Membership of the Organization is open to states members of the United Nations Economic Commission for Africa or of the African Union. States become members by depositing an instrument of accession to either the Lusaka Agreement or the Harare Protocol or the Swakopmund Protocol. Currently, Member States of ARIPO are those shown in the table on the right.

Harare Protocol

The Harare Protocol on Patents and Industrial Designs was adopted on 10 December, 1982. The protocol empowers ARIPO to grant patents and register industrial designs and utility models on behalf of the Harare Protocol contracting states. All ARIPO Member States are signatory to this protocol except Somalia.

Banjul Protocol

The Banjul Protocol on Marks was adopted on 19 November, 1993. The protocol empowers the Organization to register marks centrally for those ARIPO Member States which are its signatories (see table on this page).

Swakopmund Protocol

On 9 August 2010, ARIPO Member States adopted a third ARIPO protocol called the Swakopmund Protocol on the Protection of Traditional Knowledge and Expressions of Folklore. This protocol came into force on 11 May 2015.

Arusha Protocol

The Arusha Protocol for the Protection of New Varieties of Plants was adopted in Arusha, the United Republic of Tanzania on 6 July 2015.

The Protocol will enter into force when four States have deposited their instruments of ratification or accession. The Protocol will provide Member States with a regional plant variety protection system that recognizes the need to provide growers and farmers with improved varieties of plants in order to ensure sustainable agricultural production.

Patent Cooperation Treaty

The Patent Cooperation Treaty (PCT) is administered by the World Intellectual Property Organization (WIPO). Since the Harare Protocol was linked to the PCT, the PCT has become important to the development of the patent system of all ARIPO Member States.

Accessions / Ratifications

Member state	Lusaka Agreement	Harare Protocol	Banjul Protocol	Swakopmund Protocol	Arusha Protocol
Botswana	06.02.1985	06.05.1985	29.10.2003	28.03.2012	
eSwatini	17.12.1987	17.03.1988	06.03.1997		
The Gambia	15.02.1978	16.01.1986		11.02.2015	
Ghana	15.02.1978	25.04.1984			
Kenya	15.02.1978	24.10.1984			
Lesotho	23.07.1987	23.10.1987	12.02.1999		
Liberia	24.12.2009	24.03.2010	24.03.2010	25.10.2016	
Malawi	15.02.1978	25.04.1984	06.03.1997	20.12.2012	
Mozambique	08.02.2000	08.05.2000			
Namibia	14.10.2003	23.04.2004	14.01.2004	11.02.2015	
Rwanda	24.06.2011	24.09.2011		16.07.2012	
Sào Tomé and Príncipe	19.05.2014	19.08.2014	27.11.15		
Sierra Leone	05.12.1980	25.02.1999			
Somalia	10.12.1981				
Sudan	02.05.1978	25.04.1984			
Tanzania	12.10.1983	01.09.1999	01.09.1999		
Uganda	08.08.1978	25.04.1984	21.11.2000		
Zambia	15.02.1978	26.02.1986		28.08.2015	
Zimbabwe	11.11.1980	25.04.1984	06.03.1997	22.04.2013	

EDITORIAL

Frequency of the Journal

The ARIPO Journal: the Official Industrial Property Journal of ARIPO is published every month.

Editorial Office and Mission

The Journal is published by the ARIPO Office as part of the industrial property process under the Harare Protocol and the Banjul Protocol. (For address of the ARIPO Office, please see the section on 'Purchases and Subscriptions' and 'General Contact Addresses' below.)

Advertisements

Any person, natural or body corporate, may advertise in the Journal on a matter of, or relating to, intellectual property (such as vacancies, new appointments, meetings, etc.). The cost of advertisement is:

a) US $20.00 per half column, or part thereof, measuring size 8.5 cm (across) X 12 cm (depth);
b) US $35.00 per full column, or part thereof, measuring size 8.5 cm (across) X 24 cm (depth);
c) US $40.00 per half page and US $70.00 per full page.

Concessionary rates are available at 20% reduced rate for any number of multiple insertions.

Purchases and Subscriptions

The ARIPO Journal is available on the ARIPO e-service platform (http://eservice.aripo.org/ppb/pjd/PPBJournalViewList.do) for free downloading.

However, should any reader prefer the print format over the electronic version, purchases can be made at US$ 100.00 per paper copy. Annual subscriptions (inclusive of postage) are at US $1 200.00. All purchases and subscriptions can be made at the following address:

Physical:
Reception, ARIPO Office, No. 11 Natal Road, Belgravia, Harare, Zimbabwe.

Postal:
Director General, ARIPO, P.O. Box 4228, Harare, Zimbabwe.

General Contact Addresses

Communication with, or information about, the Organization for any matter generally may be made or obtained at the following addresses in addition to the ones indicated above:

Telephone:
+263 (242) 794065/6/8, 794074.

Facsimile:
+263 (242) 794072.

E-mail:
<mail@aripo.org>.

Website:
<www.aripo.org>.

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GENERAL NOTICES

Data Flow Symbols

Symbols in the following table are ARIPO-originated and are used in this publication for directing the flow of announcement columns, namely that a record (which is the largest unit in an announcement column) is ended and that an announcement column continues on the next page or it is ended.

Symbol	Interpretation
●●	End of a record in an announcement column
■	End of an announcement column

Symbol	Interpretation
▶	An announcement column continues on the next page

Data Identification Codes

The data identification codes appearing in the next four tables are WIPO Standards. The first three of these tables contain codes universally known as **I**nternationally recognized **N**umbers for the **I**dentification of **D**ata (INID) Codes. These Standards are, namely, WIPO Standard ST. 60 (Recommendation concerning bibliographic data relating to marks), Standard ST. 9 (Recommendation concerning bibliographic data on and relating to patents and supplementary protection certificates (SPCs)), Standard ST. 80 (Recommendation concerning bibliographic data relating to industrial designs) and Standard ST. 3 (Recommended standard on two-letter codes for the representation of states, other entities and intergovernmental organizations).

INID Codes For Marks

Code	Interpretation
(111)	Registration number
(151)	Date of registration
(210)	Application number
(220)	Filing date

Code	Interpretation
(511)	Symbol of the Nice Class
(540)	Description of the mark
(731)	Applicant's name
(740)	Representative's name

Code	Interpretation
(814)	Designated states
(869)	Accepted with reserve

INID Codes For Patents

Code	Interpretation
(11)	Patent number
(21)	Application number
(22)	Filing date
(23)	Date when action is to be taken, if in announcements for "*Patent Applications Pending Grant*"; date from which status takes effect, if in "*Applications Abandoned*" or in "*Patents Abandoned*"
(24)	Effective date of patent
(31)	Priority number
(32)	Priority date
(33)	Convention country / Convention organization
(45)	Date of publication
(51)	Symbol of the International Patent Classification (IPC)

Code	Interpretation
(54)	Title of the invention
(56)	List of prior art documents cited in the examination
(57)	Abstract
(71)	Applicant's name. If in announcements concerning *"Patent Applications Assigned"* or *"Patents Assigned"*, this code represents the name of the assignee (or the name of the new owner of the patent application or the name of the new owner of the patent)
(72)	Name(s) of inventor(s)

Code	Interpretation
(73)	Name(s) of holder(s) of patent or patentee's name. If in announcements concerning *"Patent Applications Assigned"* or *"Patents Assigned"*, this code represents the name of the assignor (or the name of the current owner of the patent application or the name of the current owner of the patent)
(74)	Attorney's name
(75)	Name(s) of inventor(s) who is/are also applicant(s)
(84)	States designated under the Harare Protocol
(86)	Patent Cooperation Treaty (PCT) international filing date and number
(96)	Harare Protocol filing date and number

Data Identification Codes (Contd.)

INID Codes For Industrial Designs

Code	Interpretation
(11)	Design registration number
(21)	Design application number
(22)	Filing date
(24)	Effective date of registration of design
(31)	Priority number
(32)	Priority date
(33)	Convention country / Convention organization

Code	Interpretation
(40)	Publication date
(51)	Symbol of the Locarno Classification
(54)	Title of the design
(55)	Symbol of the design
(71)	Applicant's name
(72)	Name of creator of the design
(73)	Name of holder of the design registration

Code	Interpretation
(74)	Attorney's name
(75)	Name(s) of creator(s) who is/are also applicant(s)
(84)	States designated under the Harare Protocol

Country/Organization Codes Used in this Issue of the Journal

Code	Country / Organization
AP	African Regional Intellectual Property Organization (ARIPO)
AU	Australia
BE	Belgium
BW	Botswana
CN	China
EP	European Patent Office
GB	United Kingdom
GH	Ghana
GM	The Gambia
IE	Ireland
IN	India
JP	Japan
KE	Kenya
LR	Liberia
LS	Lesotho

Code	Country / Organization
MG	Madagascar
MW	Malawi
MZ	Mozambique
NA	Namibia
NL	Netherlands
RW	Rwanda
SD	Sudan
SE	Sweden
SL	Sierra Leone
ST	Sào Tomé and Príncipe
SZ	eSwatini
TZ	United Republic of Tanzania
UG	Uganda
US	United States of America
ZA	South Africa

Code	Country / Organization
ZM	Zambia
ZW	Zimbabwe

MARKS

Mark Applications Filed

(210) AP/M/2020/004031
(220) 04.02.2020
(511) Int. Cl. 32 and 34: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) J&B LIMITED
(740) Cronjé & Co.
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540)



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(210) AP/M/2020/004032
(220) 04.02.2020
(511) Int. Cl. 32 and 34: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) J&B LIMITED
(740) Cronjé & Co.
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540)



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(210) AP/M/2020/004033
(220) 04.02.2020
(511) Int. Cl. 43: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) FRESH FOOD Co. Ltd.
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540)



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(210) AP/M/2020/004034
(220) 04.02.2020
(511) Int. Cl. 35 and 39: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) QTERMINALS
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) QTERMINALS

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(210) AP/M/2020/004035
(220) 04.02.2020
(511) Int. Cl. 32: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) RANI REFRESHMENTS FZCO LLC
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

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(210) AP/M/2020/004036
(220) 04.02.2020
(511) Int. Cl. 32: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) RANI REFRESHMENTS FZCO LLC
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

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(210) AP/M/2020/004037
(220) 04.02.2020
(511) Int. Cl. 32: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) RANI REFRESHMENTS FZCO LLC
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

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(210) AP/M/2020/004038
(220) 04.02.2020
(511) Int. Cl. 32: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) RANI REFRESHMENTS FZCO LLC
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

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(210) AP/M/2020/004039
(220) 04.02.2020
(511) Int. Cl. 3, 5 and 30: BW, ZW
(731) DISCOVER ZIMBABWE TRUST (DZT)
(740) DISCOVER ZIMBABWE TRUST (DZT)
(814) BW, ZW

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(210) AP/M/2020/004040
(220) 06.02.2020
(511) Int. Cl. 9, 35, 36, 37, 39 and 42: ZW
(731) AGILITY PUBLIC WAREHOUSING COMPANY (K.S.C.) PUBLIC
(740) B MATANGA IP ATTORNEYS
(814) ZW

(540) AGILITY

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Mark Applications Filed (Contd.)

(210) AP/M/2020/004041
(220) 06.02.2020
(511) Int. Cl. 9, 35, 36, 37, 39 and 42: ZW
(731) AGILITY PUBLIC WAREHOUSING COMPANY (K.S.C.) PUBLIC
(740) B MATANGA IP ATTORNEYS
(814) ZW

(540)



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(210) AP/M/2020/004042
(220) 06.02.2020
(511) Int. Cl. 35, 41 and 45: TZ, UG
(731) GOOD GOVERNANCE AFRICA LIMITED
(740) HONEY & BLANCKENBERG
(814) TZ, UG

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(210) AP/M/2020/004043
(220) 10.02.2020
(511) Int. Cl. 16, 25, 35, 37, 39, 41 and 42: ZW
(731) RHINO FORCE TRUST ZIMBABWE (REGISTRATION NO.: MA 56/2017), REPRESENTED BY RALPH KLAUS KOCZWARA
(740) MATIZANADZO & WARHURST LEGAL PRACTITIONERS
(814) ZW

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(210) AP/M/2020/004044
(220) 10.02.2020
(511) Int. Cl. 41: ZW
(731) MESO MAVIRI (PVT) LTD
(740) SOJAMA ECONOMIC DEVELOPMENT INSTITUTE
(814) ZW

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(210) AP/M/2020/004045
(220) 10.02.2020
(511) Int. Cl. 41: ZW
(731) MESO MAVIRI (PVT) LTD
(740) SOJAMA ECONOMIC DEVELOPMENT INSTITUTE
(814) ZW

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(210) AP/M/2020/004046
(220) 11.02.2020
(511) Int. Cl. 9 and 11: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) INTELLIGENT SYSTEMS MIDDLE EAST FZE
(740) HUSSEIN RANCHHOD & CO
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

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(210) AP/M/2020/004047
(220) 18.02.2020
(511) Int. Cl. 9, 38: BW, NA
(731) MTN GROUP MANAGEMENT SERVICES (PROPRIETARY) LIMITED
(740) ENSafrica Namibia
(814) BW, NA

(540) **y'ello**

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(210) AP/M/2020/004048
(220) 18.02.2020
(511) Int. Cl. 25 and 35: BW
(731) BATHU SWAG (PTY) LTD
(740) ENSafrica Namibia
(814) BW

(540) **BATHU**

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(210) AP/M/2020/004049
(220) 18.02.2020
(511) Int. Cl. 36: ZW
(731) PROPERTY SHOP (PRIVATE) LIMITED
(740) MKONDO Tafadzwa
(814) ZW

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(210) AP/M/2020/004050
(220) 18.02.2020
(511) Int. Cl. 25 and 35: BW
(731) BATHU SWAG (PTY) LTD
(740) ENSafrica Namibia
(814) BW

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(210) AP/M/2020/004051
(220) 18.02.2020
(511) Int. Cl. 41 and 45: ZW
(731) SAfAIDS
(740) SAMURIWO ATTORNEYS
(814) ZW

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(210) AP/M/2020/004052
(220) 24.02.2020
(511) Int. Cl. 9, 35, 38 and 42: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) SMA Solar Technology AG
(740) COWLEY INCORPORATED
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

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(210) AP/M/2020/004053
(220) 20.02.2020
(511) Int. Cl. 32: BW, LS, MW, NA, ZW
(731) DYNAMIC BRANDS MANUFACTURING (PTY) LTD
(740) GILL, GODLONTON & GERRANS
(814) BW, LS, MW, NA, ZW

(540) **"MR ORANGE"**

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Mark Applications Filed (Contd.)

(210) AP/M/2020/004054
(220) 24.02.2020
(511) Int. Cl. 9, 35, 38 and 42: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) SMA Solar Technology AG
(740) COWLEY INCORPORATED
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) **EMERCE**

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(210) AP/M/2020/004055
(220) 28.02.2020
(511) Int. Cl. 41 and 45: BW, LS, MW, NA, SZ
(731) SAfAIDS
(740) SAMURIWO ATTORNEYS
(814) BW, LS, MW, NA, SZ

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(210) AP/M/2020/004056
(220) 28.02.2020
(511) Int. Cl. 30: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) PERVAIZ PYAR ALI
(740) B MATANGA IP ATTORNEYS
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

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Mark Applications Abandoned

(210) AP/M/2013/001739
(220) 17.06.2013
(511) Int. Cl. 18, 21, 24 and 35: BW, MW, NA, ZW
(511) Int. Cl. 11, 20, 22 and 27: MW
(731) A & L ENTERPRISES
(740) GILL, GODLONTON & GERRANS
(814) MW

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Erratum: Mark Applications Refused Registration by a Designated State

In the 31 October 2019 issue of the ARIPO Journal, the mark application below was errouneously published as pending registration with respect to Botswana, Namibia and Zimbabwe. We wish to give notice that the application was only accepted for registration by Namibia and was refused by Botswana and Zimbabwe.

(210) AP/M/2018/003475
(220) 28.08.2018
(511) Int. Cl. 29 and 30: BW, ZW
(731) Devyani Food Industries Ltd
(740) Cronjé & Co.
(814) BW, ZW

(540) **CREAM BELL**

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Marks Pending Registration

(210) AP/M/2016/002795
(220) 01.11.2016
(511) Int. Cl. 12: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) BAJAJ AUTO LIMITED
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

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(210) AP/M/2016/002819
(220) 15.11.2016
(511) Int. Cl. 2: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) National Paints Factories Co.
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) **NUMIX**

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(210) AP/M/2017/003035
(220) 31.07.2017
(511) Int. Cl. 25: MW, UG
(731) EPO FASHION CO., LTD.
(740) LEXGLOBE LLP
(814) MW, UG

(540) little MO&Co.

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(210) AP/M/2018/003395
(220) 15.06.2018
(511) Int. Cl. 43: NA
(731) JECHHO PTY LTD, a Mauritian company
(740) GILL, GODLONTON & GERRANS
(814) NA

(540) **N1 HOTEL**

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(210) AP/M/2018/003521
(220) 09.10.2018
(511) Int. Cl. 19 and 35: ZW
(731) AMPA PLASTICS GROUP (PTY) LTD
(740) MAWERE AND SIBANDA LEGAL PRACTITIONERS
(814) ZW

(540) MODEK

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(210) AP/M/2018/003522
(220) 09.10.2018
(511) Int. Cl. 11, 19 and 35: ZW
(731) SOUTHERN PROFILES (PTY) LTD
(740) MAWERE AND SIBANDA LEGAL PRACTITIONERS
(814) ZW

(540) SouthPro

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(210) AP/M/2018/003523
(220) 09.10.2018
(511) Int. Cl. 19 and 35: ZW
(731) AMPA PLASTICS GROUP (PTY) LTD
(740) MAWERE AND SIBANDA LEGAL PRACTITIONERS
(814) ZW

(540) **MODEK**

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(210) AP/M/2018/003524
(220) 09.10.2018
(511) Int. Cl. 11, 19 and 35: ZW
(731) SOUTHERN PROFILES (PTY) LTD
(740) MAWERE AND SIBANDA LEGAL PRACTITIONERS
(814) ZW

(540) **SouthPro**

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(210) AP/M/2019/003616
(220) 08.01.2019
(511) Int. Cl. 9: TZ, UG
(731) DRY CELL AND STORAGE BATTERY JOINT STOCK COMPANY
(740) HUSSEIN RANCHHOD & CO
(814) TZ, UG

(540) JP

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(210) AP/M/2019/003617
(220) 08.01.2019
(511) Int. Cl. 9: TZ, UG
(731) DRY CELL AND STORAGE BATTERY JOINT STOCK COMPANY
(740) HUSSEIN RANCHHOD & CO
(814) TZ, UG

(540) EAGLE

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(210) AP/M/2019/003618
(220) 08.01.2019
(511) Int. Cl. 9: TZ, UG
(731) DRY CELL AND STORAGE BATTERY JOINT STOCK COMPANY
(740) HUSSEIN RANCHHOD & CO
(814) TZ, UG

(540) PINACO

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(210) AP/M/2019/003619
(220) 08.01.2019
(511) Int. Cl. 9: TZ, UG
(731) DRY CELL AND STORAGE BATTERY JOINT STOCK COMPANY
(740) HUSSEIN RANCHHOD & CO
(814) TZ, UG

(540) PINACO

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(210) AP/M/2019/003649
(220) 11.02.2019
(511) Int. Cl. 9 and 41: ST, TZ, UG
(731) SUNDEBY Tatiana
(740) JAMBO LEGAL PRACTICE
(814) ST, TZ, UG

(540) IST

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(210) AP/M/2019/003666
(220) 26.02.2019
(511) Int. Cl. 16, 29, 30 and 34: BW, MW
(731) MEGA MARKET (PRIVATE) LIMITED
(740) VALISE CONSULTANCY (PRIVATE) LIMITED
(814) BW, MW

(540) Mega

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(210) AP/M/2019/003667
(220) 26.02.2019
(511) Int. Cl. 16, 29 and 30: BW, MW
(731) MEGA MARKET (PRIVATE) LIMITED
(740) VALISE CONSULTANCY (PRIVATE) LIMITED
(814) BW, MW

(540) ideal

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Marks Pending Registration (Contd.)

(210) AP/M/2019/003668
(220) 26.02.2019
(511) Int. Cl. 3, 29 and 30: BW, MW
(731) MEGA MARKET (PRIVATE) LIMITED
(740) VALISE CONSULTANCY (PRIVATE) LIMITED
(814) BW, MW

(540) EKONO

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(210) AP/M/2019/003669
(220) 26.02.2019
(511) Int. Cl. 29: BW, MW
(731) MEGA MARKET (PRIVATE) LIMITED
(740) VALISE CONSULTANCY (PRIVATE) LIMITED
(814) BW, MW

(540) **RANCHERS**

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(210) AP/M/2019/003670
(220) 26.02.2019
(511) Int. Cl. 3: BW, MW
(731) MEGA MARKET (PRIVATE) LIMITED
(740) VALISE CONSULTANCY (PRIVATE) LIMITED
(814) BW, MW

(540) Brilliant™

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(210) AP/M/2019/003671
(220) 26.02.2019
(511) Int. Cl. 29 and 30: BW, MW
(731) MEGA MARKET (PRIVATE) LIMITED
(740) VALISE CONSULTANCY (PRIVATE) LIMITED
(814) BW, MW

(540) top chef

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(210) AP/M/2019/003672
(220) 26.02.2019
(511) Int. Cl. 30: BW, MW
(731) MEGA MARKET (PRIVATE) LIMITED
(740) VALISE CONSULTANCY (PRIVATE) LIMITED
(814) BW, MW

(540) **Valley Fresh**

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(210) AP/M/2019/003674
(220) 01.03.2019
(511) Int. Cl. 16: UG
(731) ANHUI TECHNOLOGY IMP. & EXP. CO., LTD.
(740) Cronjé & Co.
(814) UG

(540) HUFA

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(210) AP/M/2019/003675
(220) 04.03.2019
(511) Int. Cl. 9, 36 and 38: BW, NA
(731) MTN GROUP MANAGEMENT SERVICES (PROPRIETARY) LIMITED
(740) ENSafrica Namibia
(814) BW, NA

(540) **MTN HOMELAND**

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(210) AP/M/2019/003693
(220) 14.03.2019
(511) Int. Cl. 11: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) NOUSHAD PUTHIYAVEETIL ABDUL RAHIMAN
(740) Cronjé & Co.
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) Selex

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(210) AP/M/2019/003700
(220) 22.03.2019
(511) Int. Cl. 9, 14, 18 and 25: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) AMEDODJI ATSU KODZOVI SUYANUSU
(740) HUSSEIN RANCHHOD & CO LEGAL PRACTITIONERS
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) **BornBlack**

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(210) AP/M/2019/003702
(220) 25.03.2019
(511) Int. Cl. 12: BW, LR, MW, NA, TZ, UG, ZW
(731) SAILUN GROUP CO., LTD.
(740) Cronjé & Co.
(814) BW, LR, MW, NA, TZ, UG, ZW

(540) RXFROST

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(210) AP/M/2019/003703
(220) 25.03.2019
(511) Int. Cl. 12: BW, LR, MW, NA, TZ, UG, ZW
(731) SAILUN GROUP CO., LTD.
(740) Cronjé & Co.
(814) BW, LR, MW, NA, TZ, UG, ZW

(540) RXQUEST

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(210) AP/M/2019/003704
(220) 25.03.2019
(511) Int. Cl. 12: BW, LR, MW, NA, TZ, UG, ZW
(731) SAILUN GROUP CO., LTD.
(740) Cronjé & Co.
(814) BW, LR, MW, NA, TZ, UG, ZW

(540) RXMOTION

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(210) AP/M/2019/003705
(220) 26.03.2019
(511) Int. Cl. 19: BW, LR, MW, NA, ZW
(731) ASPHALT SYSTEMS, INC.
(740) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(814) BW, LR, MW, NA, ZW

(540) **GSB FRICTIONSEAL**

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(210) AP/M/2019/003708
(220) 27.03.2019
(511) Int. Cl. 36: BW, NA
(731) MTN GROUP MANAGEMENT SERVICES (PROPRIETARY) LIMITED
(740) ENSafrica Namibia
(814) BW, NA

(540) **MOMOKASH**

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(210) AP/M/2019/003709
(220) 27.03.2019
(511) Int. Cl. 35 and 36: BW, NA
(731) MTN GROUP MANAGEMENT SERVICES (PROPRIETARY) LIMITED
(740) ENSafrica Namibia
(814) BW, NA

(540) **MOMOMARKET**

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(210) AP/M/2019/003710
(220) 27.03.2019
(511) Int. Cl. 36: BW, NA
(731) MTN GROUP MANAGEMENT SERVICES (PROPRIETARY) LIMITED
(740) ENSafrica Namibia
(814) BW, NA

(540) **MOMODEALS**

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(210) AP/M/2019/003711
(220) 27.03.2019
(511) Int. Cl. 9, 36 and 38: BW, NA
(731) MTN GROUP MANAGEMENT SERVICES (PROPRIETARY) LIMITED
(740) ENSafrica Namibia
(814) BW, NA

(540) **MOMOPAY**

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Marks Pending Registration (Contd.)

(210) AP/M/2019/003715
(220) 05.04.2019
(511) Int. Cl. 45: ZW
(731) Law Basket (Private) Limited
(740) MATANGI Odellia
(814) ZW

(540) LawBasket Justice Liberated

●●

(210) AP/M/2019/003718
(220) 08.04.2019
(511) Int. Cl. 36: ZW
(731) COVER LINK HOLDINGS (PVT) LTD.
(740) MUDANGWE Trevor
(814) ZW

(540) COVERLINK HOLDINGS (PVT) LTD

●●

(210) AP/M/2019/003721
(220) 10.04.2019
(511) Int. Cl. 9 and 38: BW, NA
(731) MTN GROUP MANAGEMENT SERVICES (PROPRIETARY) LIMITED
(740) ENSafrica Namibia
(814) BW, NA

(540) **MTN SMART**

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(210) AP/M/2019/003744
(220) 12.04.2019
(511) Int. Cl. 9, 35, 36, 38, 41, 42 and 45: BW, NA
(731) Progressive Tech Holdings
(740) ENSafrica Namibia
(814) BW, NA

(540) **AYOBA**

●●

(210) AP/M/2019/003745
(220) 11.04.2019
(511) Int. Cl. 36: BW, NA
(731) MTN GROUP MANAGEMENT SERVICES (PROPRIETARY) LIMITED
(740) ENSafrica Namibia
(814) BW, NA

(540) **MOMOBANK**

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Erratum: Marks Pending Registration

In the 31 October 2019 issue of the ARIPO Journal, the mark application below was errouneously published as pending registration with respect to Botswana, Namibia and Zimbabwe. We wish to give notice that the application was only accepted for registration by Namibia and was refused by Botswana and Zimbabwe.

(210) AP/M/2018/003475
(220) 28.08.2018
(511) Int. Cl. 29 and 30: NA
(731) Devyani Food Industries Ltd
(740) Cronjé & Co.
(814) NA

(540) **CREAM BELL**

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Marks Registered

(111) AP/M/2015/002476
(151) 09.02.2020
(220) 27.08.2015
(511) Int. Cl. 11: BW, LR, LS, MW, SZ, TZ, UG, ZW
(731) NINGBO ZHENGZHENG ELECTRIC APPLIANCE CO., LTD
(740) LEXGLOBE LLP
(814) BW, LR, LS, MW, SZ, TZ, UG, ZW

(540) GDLITE

●●

(111) AP/M/2016/002557
(151) 16.02.2020
(220) 06.01.2016
(511) Int. Cl. 34: BW, LR, LS, MW, NA, SZ, TZ, UG, ZW
(731) Kaane American International Tobacco Company FZE
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, SZ, TZ, UG, ZW

(540) ADDRESS

●●

(111) AP/M/2016/002630
(151) 29.02.2020
(220) 19.04.2016
(511) Int. Cl. 1: LR, TZ
(731) MALCO PRODUCTS, INC.
(740) FISHER CORMACK & BOTHA
(814) LR, TZ

(540) STOP

●●

(111) AP/M/2016/002731
(151) 05.02.2020
(220) 15.08.2016
(511) Int. Cl. 14: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) Harald Schillinger
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) Hearts Arrows

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Marks Registered (Contd.)

(111) AP/M/2016/002852
(151) 29.02.2020
(220) 20.12.2016
(511) Int. Cl. 12: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) BAJAJ AUTO LIMITED
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) **DOMINAR**

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(111) AP/M/2018/003247
(151) 22.02.2020
(220) 15.01.2018
(511) Int. Cl. 30: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) Nuh'un Ankara Makarnasi Sanayi Ve Ticaret Anonim Sirketi, a joint stock company
(740) Cronjé & Co.
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) **NUH'UN ANKARA**

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(111) AP/M/2018/003248
(151) 22.02.2020
(220) 15.01.2018
(511) Int. Cl. 30: LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) Nuh'un Ankara Makarnasi Sanayi Ve Ticaret Anonim Sirketi, a joint stock company
(740) Cronjé & Co.
(814) LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) Veronelli

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(111) AP/M/2018/003344
(151) 06.02.2020
(220) 04.05.2018
(511) Int. Cl. 5: BW, MW, NA, TZ, UG, ZW
(731) La Renon Healthcare Pvt. Ltd.
(740) HONEY & BLANCKENBERG
(814) BW, MW, NA, TZ, UG, ZW

(540) **CUDO**

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(111) AP/M/2018/003353
(151) 06.02.2020
(220) 16.05.2018
(511) Int. Cl. 34: BW, LR, ZW
(731) OPEN HORIZON LTD.
(740) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(814) BW, LR, ZW

(540) **PACIFIC STORM**

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(111) AP/M/2018/003354
(151) 06.02.2020
(220) 16.05.2018
(511) Int. Cl. 34: BW, LR, ZW
(731) OPEN HORIZON LTD.
(740) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(814) BW, LR, ZW

(540) **PACIFIC MIST**

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(111) AP/M/2018/003441
(151) 17.02.2020
(220) 18.07.2018
(511) Int. Cl. 9: BW, LR, LS, MW, NA, ST, SZ, TZ, UG
(731) GOLDWING (PROPRIETARY) LIMITED
(740) MAWERE AND SIBANDA LEGAL PRACTITIONERS
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG

(540) Cell City
Get Closer

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(111) AP/M/2018/003491
(151) 19.02.2020
(220) 04.09.2018
(511) Int. Cl. 5: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) F. HOFFMANN-LA ROCHE AG
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) **POLIVY**

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(111) AP/M/2018/003507
(151) 01.02.2020
(220) 27.09.2018
(511) Int. Cl. 34: LS, MW, NA, SZ, ZW
(731) D&O Incorporated (Pty) Ltd.
(740) D&O Incorporated (Pty) Ltd.
(814) LS, MW, NA, SZ, ZW

(540) TRAIN
SAFETY MATCHES

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(111) AP/M/2018/003514
(151) 14.02.2020
(220) 02.10.2018
(511) Int. Cl. 9: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) ASHTEL LLC
(740) Cronjé & Co.
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) orino

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(111) AP/M/2018/003532
(151) 16.02.2020
(220) 17.10.2018
(511) Int. Cl. 9, 10, 41 and 44: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) Roche Diabetes Care GmbH
(740) FISHER CORMACK & BOTHA
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW

(540) **MYSUGR**

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Marks Renewed

Registration No.	Date Fee Paid	Valid Until	Anniversary
AP/M/2010/000879	07.01.2020	08.01.2030	10th yr
AP/M/2010/000891	01.01.2020	15.01.2030	10th yr
AP/M/2010/000896	21.01.2020	12.02.2030	10th yr
AP/M/2010/000910	31.01.2020	08.03.2030	10th yr
AP/M/2010/000920	21.01.2020	13.04.2030	10th yr
AP/M/2010/000922	21.01.2020	13.04.2030	10th yr
AP/M/2010/000931	21.01.2020	05.05.2030	10th yr
AP/M/2010/000942	21.01.2020	04.06.2030	10th yr
AP/M/2010/000943	21.01.2020	04.06.2030	10th yr
AP/M/2010/000944	21.01.2020	04.06.2030	10th yr
AP/M/2010/000946	21.01.2020	04.06.2030	10th yr

PATENTS

Patent Applications Filed

(21) AP/P/2020/012199
(22) 05.02.2015
(23) 03.02.2020
(31) 61/937,404
(32) 07.02.2014 (33) US
(31) 61/937,393
(32) 07.02.2014 (33) US
(51) **A61K 31/4439 (2006.01)**
(54) CRYSTALLINE POLYMORPHS OF THE FREE BASE OF 2-HYDROXY-6-((2-(1-ISOPROPYL-1H-PYRAZOL-5-YL)PYRIDIN-3-YL)METHOXY) BENZALDEHYDE
(71) GLOBAL BLOOD THERAPEUTICS, INC.
(72) HOUSTON Travis, PARENT Stephan D and LI Zhe
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 05.02.2015 PCT/US2015/014589
(96) 05.02.2015 AP/P/2020/012199

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(21) AP/P/2020/012200
(22) 04.08.2017
(23) 04.02.2020
(51) **C04B 28/14 (2006.01)**
C04B 11/00 (2006.01)
(54) IMPROVEMENT OF STUCCO PROPERTIES THROUGH AGING AT ELEVATED TEMPERATURES AND HIGH HUMIDITY LEVEL
(71) KNAUF GIPS KG
(72) SCHNEIDERBANGER Reiner, PARASKOV Georgi, KARAKOUSSIS Stergios, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) TZ
(86) 04.08.2017 PCT/EP2017/000946
(96) 04.08.2017 AP/P/2020/012200

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(21) AP/P/2020/012201
(22) 03.07.2018
(23) 04.02.2020
(31) 1750874-8
(32) 04.07.2017 (33) SE
(51) **C12Q 1/70 (2006.01)**
G01N 33/94 (2006.01)
C12Q 1/00 (2006.01)
C12Q 1/48 (2006.01)
(54) METHOD FOR ASSESSING SUSCEPTIBILITY OF A VIRUS TO TREATMENT BY MEASURING ENZYME ACTIVITY AND A SYSTEM THEREFORE
(71) CAVIDI AB
(72) PETTERSSON Ingvar, MALMSTEN Anders, GATU Tommy, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 03.07.2018 PCT/SE2018/050726
(96) 03.07.2018 AP/P/2020/012201

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(21) AP/P/2020/012202
(22) 10.08.2018
(23) 04.02.2020
(31) BE2017/5554
(32) 11.08.2017 (33) BE
(51) **C01B 25/32 (2006.01)**
CO IB 25/225 (2006.01)
CO IB 25/226 (2006.01)
CO IB 25/22 (2006.01)
CO IK 25/01 (2006.01)
(54) METHOD FOR ETCHING A PHOSPHATE SOURCE USING ACID
(71) PRAYON TECHNOLOGIES
(72) NINANE Léon and WAVREILLE Alexandre
(74) FISHER CORMACK & BOTHA
(84) NA, ZW
(86) 10.08.2018 PCT/EP2018/071818
(96) 10.08.2018 AP/P/2020/012202

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(21) AP/P/2020/012203
(22) 02.08.2018
(23) 04.02.2020
(31) 62/541,627
(32) 04.08.2017 (33) US
(51) **A61P 35/00 (2006.01)**
C07D 413/10 (2006.01)
C07D 417/10 (2006.01)
C07D 491/107 (2006.01)
C07D 273/04 (2006.01)
A61K 31/5395 (2006.01)
(54) DIHYDROOXADIAZINONES
(71) DANA-FARBER CANCER INSTITUTE, INC., BAYER PHARMA AKTIENGESELLSCHAFT, THE BROAD INSTITUTE, INC., et al
(72) BURGIN Alex, MEYERSON Matthew, WU Xiaoyun, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE
(86) 02.08.2018 PCT/EP2018/071039
(96) 02.08.2018 AP/P/2020/012203

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(21) AP/P/2020/012204
(22) 14.07.2018
(23) 06.02.2020
(31) 20172105178
(32) 15.07.2017 (33) IN
(51) **C12N 1/00 (2006.01)**
C12N 1/12 (2006.01)
(54) NOVEL CROP FORTIFICATION, NUTRITION AND CROP PROTECTION COMPOSITION
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(75) SAWANT Arun Vitthal
(84) GH, KE, MZ, SD, TZ, UG
(86) 14.07.2018 PCT/İB2018/055225
(96) 14.07.2018 AP/P/2020/012204

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(21) AP/P/2020/012205
(22) 25.07.2018
(23) 06.02.2020
(31) 62/542,352
(32) 08.08.2017 (33) US
(51) **B65D 19/00 (2006.01)**
(54) WOODEN PALLET WITH BUTTED DECK BOARDS AND RELATED METHODS
(71) CHEP TECHNOLOGY PTY LIMITED
(72) KUMOR Eric and LANTZ Daniel J
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) ZW
(86) 25.07.2018 PCT/US2018/043595
(96) 25.07.2018 AP/P/2020/012205

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(21) AP/P/2020/012206
(22) 28.06.2018
(23) 06.02.2020
(31) 62/529,571
(32) 07.07.2017 (33) US
(51) **C25C 1/00 (2006.01)**
C22B 1/00 (2006.01)
C22B 3/22 (2006.01)
C22B 3/44 (2006.01)
(54) METHOD FOR THE OXIDATION AND HYDROTHERMAL DISSOCIATION OF METAL CHLORIDES FOR THE SEPARATION OF METALS AND HYDROCHLORIC ACID
(71) 9203-5468 QUÉBEC INC. DBA NMR360
(72) WHITE Carl and HARRIS Bryn
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 28.06.2018 PCT/CA2018/050799
(96) 28.06.2018 AP/P/2020/012206

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Patent Applications Filed (Contd.)

(21) AP/P/2020/012207
(22) 17.08.2018
(23) 06.02.2020
(31) PCT/CN2017/098093
(32) 18.08.2017 (33) CN
(51) **H04B 7/26 (2006.01)**
H04W 72/04 (2009.01)
H04W 72/08 (2009.01)
(54) METHOD AND DEVICE FOR RANDOM ACCESS FOR BEAM FAILURE RECOVERY
(71) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(72) MÄÄTTANEN Helka-Liina, DA SILVA Icaro L. J and FAN Rui
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 17.08.2018 PCT/CN2018/101051
(96) 17.08.2018 AP/P/2020/012207

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(21) AP/P/2020/012208
(22) 02.08.2018
(23) 06.02.2020
(31) 62/544,519
(32) 11.08.2017 (33) US
(51) **G06F 21/00 (2013.01)**
H04L 29/06 (2006.01)
H04W 48/02 (2009.01)
H04W 48/14 (2009.01)
H04W 12/08 (2009.01)
(54) NETWORK SLICE-SPECIFIC ACCESS BARRING FOR WIRELESS NETWORKS
(71) NOKIA TECHNOLOGIES OY
(72) COVELL Betsy, TOMALA Malgorzata and WON Sung Hwan
(74) GALLOWAY & COMPANY
(84) KE
(86) 02.08.2018 PCT/Fİ2018/050570
(96) 02.08.2018 AP/P/2020/012208

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(21) AP/P/2020/012209
(22) 27.07.2018
(23) 06.02.2020
(31) 201721026745
(32) 27.07.2017 (33) IN
(51) **A01N 25/12 (2006.01)**
A01N 25/14 (2006.01)
A61K 36/02 (2006.01)
A61K 35/748 (2015.01)
(54) NOVEL CROP FORTIFICATION, NUTRITION AND CROP PROTECTION COMPOSITION
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(75) SAWANT Arun Vitthal
(84) GH, KE, MZ, SD, TZ, UG
(86) 27.07.2018 PCT/İB2018/055632
(96) 27.07.2018 AP/P/2020/012209

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(21) AP/P/2020/012210
(22) 03.07.2018
(23) 06.02.2020
(31) 2019209
(32) 10.07.2017 (33) NL
(51) **C12Q 1/6895 (2018.01)**
A01H 1/04 (2006.01)
A01H 6/74 (2018.01)
(54) POWDERY MILDEW RESISTANT ROSE
(71) DÜMMEN GROUP B.V.
(72) BÉRÉNOS, Camillo and KAMSTRA Silvan Adelmar
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE, RW, UG
(86) 03.07.2018 PCT/EP2018/067908
(96) 03.07.2018 AP/P/2020/012210

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(21) AP/P/2020/012211
(22) 29.09.2014
(23) 07.02.2020
(31) 14/042,974
(32) 14.10.2013 (33) US
(51) **B03D 1/001 (2006.01)**
(54) FROTHERS FOR MINERAL FLOTATION
(71) ECOLAB USA INC.
(72) KILDEA John D and COUNTER James Adrian
(74) GALLOWAY & COMPANY
(84) NA, ZM
(86) 29.09.2014 PCT/US2014/057990
(96) 29.09.2014 AP/P/2020/012211

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(21) AP/P/2020/012212
(22) 28.06.2018
(23) 07.02.2020
(31) 62/529,571
(32) 07.07.2017 (33) US
(51) **C22B 3/22 (2006.01)**
C25C 1/00 (2006.01)
C22B 3/44 (2006.01)
C22B 1/00 (2006.01)
(54) METHOD FOR THE OXIDATION AND HYDROTHERMAL DISSOCIATION OF METAL CHLORIDES FOR THE SEPARATION OF METALS AND HYDROCHLORIC ACID
(71) 9203-5468 QUÉBEC INC. DBA NMR360
(72) WHITE Carl and HARRIS Bryn
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) MZ, ZM, ZW
(86) 28.06.2018 PCT/CA2018/050799
(96) 28.06.2018 AP/P/2020/012212

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(21) AP/P/2020/012213
(22) 02.08.2018
(23) 10.02.2020
(31) 2017903061
(32) 02.08.2017 (33) AU
(51) **G01N 33/00 (2006.01)**
G01N 33/24 (2006.01)
G01N 1/28 (2006.01)
G01N 9/36 (2006.01)
G01N 15/00 (2006.01)
C22B 3/24 (2006.01)
C22B 11/08 (2006.01)
G01N 1/10 (2006.01)
(54) A SENSOR SYSTEM
(71) GEKKO SYSTEMS PTY LTD
(72) LEWIS-GRAY Alexander Hamilton
(74) ENSafrica Namibia
(84) GH, TZ
(86) 02.08.2018 PCT/AU2018/000126
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(51) **A41G 3/00 (2006.01)**
(54) MODIFIABLE WIG AND METHOD FOR MODIFYING WIG
(74) ADAMS AND ADAMS MOZAMBIQUE
(75) LEE Gwang Hyun
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(32) 21.08.2018 (33) US
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(32) 16.03.2018 (33) US
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(32) 11.09.2017 (33) US
(51) **A61K 31/7125 (2006.01)**
(54) RNAI AGENTS AND COMPOSITIONS FOR INHIBITING EXPRESSION OF APOLIPOPROTEIN C-III (APOC3)
(71) ARROWHEAD PHARMACEUTICALS, INC.
(72) WONG So, KANNER Steven, PEI Tao, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
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(31) 62/536632
(32) 25.07.2017 (33) US
(51) **H04W 12/02 (2009.01)**
H04W 12/06 (2009.01)
H04W 12/04 (2009.01)
H04L 29/06 (2006.01)
(54) SUBSCRIPTION CONCEALED IDENTIFIER
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(32) 20.07.2017 (33) IE
(51) **F03C 1/007 (2006.01)**
E21B 4/14 (2006.01)
B25D 9/14 (2006.01)
(54) VALVE PILOTING ARRANGEMENTS FOR HYDRAULIC PERCUSSION DEVICES
(71) MINCON INTERNATIONAL LIMITED
(72) MARKKU Keskiniva
(74) FISHER CORMACK & BOTHA
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(51) **C01B 3/36 (2015.01)**
C01B 3/38 (2015.01)
C10K 1/02 (2015.01)
C10K 3/02 (2015.01)
C01B 2203/0233 (2015.01)
C01B 2203/0255 (2015.01)
C01B 2203/1047 (2015.01)
C01B 2203/1064 (2015.01)
C01B 2203/1082 (2015.01)
C01B 2203/1241 (2015.01)
C01B 2203/1247 (2015.01)
C01B 2203/142 (2015.01)
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(51) **A47B 7/02 (2006.01)**
B65D 19/40 (2006.01)
B65D 19/00 (2006.01)
(54) STACKABLE FRACTIONAL PLASTIC PALLET
(71) CHEP TECHNOLOGY PTY LIMITED
(72) NORMAN Craig Rolland, DAUBENSPECK Bradley Wayne, BARNSWELL Paul, et al
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(51) **A61K 39/102 (2006.01)**
A61K 39/12 (2006.01)
A61K 39/13 (2006.01)
A61K 39/29 (2006.01)
A61K 39/00 (2006.01)
A61K 39/05 (2006.01)
A61K 39/08 (2006.01)
A61K 39/02 (2006.01)
(54) AN IMMUNOGENIC COMPOSITION HAVING IMPROVED STABILITY, ENHANCED IMMUNOGENICITY AND REDUCED REACTOGENICITY AND PROCESS FOR PREPARATION THEREOF
(71) SERUM INSTITUTE OF INDIA PRIVATE LIMITED
(72) SHARMA Hitt Jyoti, SHARMA Inder Jit, SHITOLE Anil Vyankatrao, et al
(74) Cronjé & Co.
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(32) 21.07.2016 (33) US
(51) **H04L 12/24 (2006.01)**
H04W 48/18 (2009.01)
H04W 88/06 (2009.01)
(54) METHODS AND SYSTEMS FOR TRAFFIC STEERING OVER NETWORKS
(71) VIASAT INC.
(72) CHANDRAN Girish
(74) FISHER CORMACK & BOTHA
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(54) WAVE POWER GENERATION DEVICE
(72) ZHANG Jilin, ZHANG Huijie and ZHANG Yi
(74) FISHER CORMACK & BOTHA
(75) ZHANG Yi
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(51) **H04W 72/04 (2009.01)**
(54) USER TERMINAL AND RADIO COMMUNICATION METHOD
(71) NTT DOCOMO, INC.
(72) WANG Lihui, NAGATA Satoshi and TAKEDA Kazuki
(74) FISHER CORMACK & BOTHA
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(31) S2018/0049
(32) 08.03.2018 (33) İE
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(32) 20.07.2017 (33) İE
(51) **E21B 4/14 (2006.01)**
E21B 10/36 (2006.01)
E21B 1/00 (2006.01)
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(71) MINCON INTERNATIONAL LIMITED
(72) PURCELL Ciaran and PURCELL Joseph
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(51) **B65D 19/00 (2006.01)**
B65D 21/00 (2006.01)
(54) RECONFIGURABLE PALLET/DOLLY PLATFORM
(71) CHEP TECHNOLOGY PTY LIMITED
(72) NORMAN Craig Rolland, DAUBENSPECK Bradley Wayne, BARNSWELL Paul, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
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A61K 39/015 (2006.01)
(54) MALARIA VACCINE
(71) OXFORD UNIVERSITY INNOVATION LIMITED
(72) EWER Katie and HILL Adrian V.S.
(74) FISHER CORMACK & BOTHA
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(32) 17.08.2017 (33) IN
(51) **C07D 401/04 (2006.01)**
A01N 43/58 (2006.01)
C07D 403/04 (2006.01)
(54) HERBICIDAL COMPOUNDS
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(74) ADAMS AND ADAMS MOZAMBIQUE
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C07K 16/00 (2006.01)
(54) METHODS OF INACTIVATING VIRAL CONTAMINANTS
(71) ICHNOS SCIENCES S.A.
(72) DUARTE Lionel, CAHUZAC Laure, LETESTU Sonia, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
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A61K 39/015 (2006.01)
A61K 39/00 (2006.01)
(54) VACCINE FOR FALCIPARUM MALARIA
(71) SEATTLE BIOMEDICAL RESEARCH INSTITUTE and RHODE ISLAND HOSPITAL
(72) DUFFY Patrick Emmet, FRIED Michal, FRIEDMAN Jennifer Frances, et al
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(32) 26.02.2019 (33) ZA
(51) **B65D 21/02 (2015.01)**
B65D 2251/0068 (2015.01)
B65D 2251/20 (2015.01)
B65D 1/24 (2015.01)
B65D 2501/2407 (2015.01)
(54) CRATES
(71) THE SOUTH AFRICAN BREWERIES PROPRIETARY LIMITED
(72) GREY Robert Russel
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, LS, MW, MZ, NA, RW, SZ, TZ, UG, ZM, ZW
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(32) 18.08.2017 (33) US
(51) **G06F 17/30 (2006.01)**
(54) SYSTEMS AND METHODS FOR AN INCREMENTAL, REVERSIBLE AND DECENTRALIZED BIOMETRIC IDENTITY MANAGEMENT SYSTEM
(74) ADAMS AND ADAMS MOZAMBIQUE
(75) HANNA Keith J
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
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(32) 01.08.2017 (33) US
(51) **H04B 7/185 (2006.01)**
H04W 24/04 (2009.01)
H04W 24/02 (2009.01)
(54) SCINTILLATION MITIGATION IN GEOGRAPHICALLY DISTRIBUTED SATELLITE ACCESS NODES
(71) VIASAT, INC.
(72) DANKBERG Mark
(74) ENSafrica Namibia
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 25.01.2018 PCT/US2018/015238
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(31) 62/534,747
(32) 20.07.2017 (33) US
(51) **C01B 33/14 (2006.01)**
B01J 23/42 (2006.01)
A61K 9/06 (2006.01)
(54) FORMULATION COMPRISING NANOSTRUCTURED, BIOCOMPATIBLE AND BIOCATALYTIC MATERIAL FOR THE TREATMENT OF WOUNDS AND INFECTIONS
(71) GÓMEZ-LÓPEZ Wenceslao
(72) LÓPEZ-GOERNE Tessy María
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
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(31) 62/534,748
(32) 20.07.2017 (33) US
(51) **A61K 31/282 (2006.01)**
A61P 35/00 (2006.01)
C01G 23/047 (2006.01)
A61K 9/16 (2006.01)
A61K 9/51 (2006.01)
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(71) GÓMEZ-LÓPEZ Wenceslao
(72) LÓPEZ-GOERNE Tessy María
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 18.07.2018 PCT/İB2018/055335
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(31) 201710608633.4
(32) 24.07.2017 (33) CN
(51) **G06F 21/30 (2013.01)**
G06Q 10/10 (2012.01)
(54) METHOD FOR SETTING PERMISSION OF USER IN INFORMATION EXCHANGE UNIT IN SYSTEM
(71) CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD.
(72) CHEN Dazhi
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 23.07.2018 PCT/CN2018/096713
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(32) 24.08.2017 (33) US
(51) **B01J 23/89 (2006.01)**
B01J 37/34 (2006.01)
B01J 19/00 (2006.01)
(54) COMPOSITIONS, METHODS, AND APPARATUSES FOR CATALYTIC COMBUSTION
(71) STAR SCIENTIFIC LIMITED
(72) KIRK Samuel James and HEATON Steven James
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
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(32) 31.07.2017 (33) CN
(51) **G06Q 10/06 (2012.01)**
G06F 9/46 (2006.01)
(54) TRANSACTION PROCESSING MANAGEMENT METHOD IN MANAGEMENT SYSTEM
(71) CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD.
(72) CHEN Dazhi
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
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(31) 201710633372.1
(32) 28.07.2017 (33) CN
(51) **H04L 29/06 (2006.01)**
(54) METHOD FOR USER/STAFF MEMBER TO ACQUIRE MAIL BOX ACCOUNT IN SYSTEM
(71) CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD.
(72) CHEN Dazhi
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 27.07.2018 PCT/CN2018/097677
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(31) 201710633280.3
(32) 28.07.2017 (33) CN
(51) **H04L 12/58 (2006.01)**
H04L 29/06 (2006.01)
(54) METHOD FOR AUTHORIZING PERMISSION TO OPERATE CONTENT OF MAILBOX ACCOUNT AND INSTANT MESSAGING ACCOUNT IN SYSTEM
(71) CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD.
(72) CHEN Dazhi
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 27.07.2018 PCT/CN2018/097679
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(31) 201710633373.6
(32) 28.07.2017 (33) CN
(51) **H04L 12/58 (2006.01)**
H04L 9/32 (2006.01)
(54) METHOD FOR MANAGING INSTANT MESSAGING ACCOUNT IN MANAGEMENT SYSTEM
(71) CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD.
(72) CHEN Dazhi
(74) ADAMS AND ADAMS MOZAMBIQUE
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(86) 27.07.2018 PCT/CN2018/097673
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(31) 201710634812.5
(32) 29.07.2017 (33) CN
(51) **H04L 9/32 (2006.01)**
H04L 12/58 (2006.01)
(54) METHOD FOR PRESETTING INSTANT MESSAGING ACCOUNT CONTACTS AND PRESETTING ADDRESS BOOK ACCORDING TO MESSAGING RELATIONSHIP BETWEEN ROLES
(71) CHENGDU QIANNIUCAO INFORMATION TECHNOLOGY CO., LTD.
(72) CHEN Dazhi
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 28.07.2018 PCT/CN2018/097710
(96) 28.07.2018 AP/P/2020/012241

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(31) 62/566,031
(32) 29.09.2017 (33) US
(51) **A61P 17/14 (2006.01)**
A61K 31/395 (2006.01)
A61K 31/44 (2006.01)
A61K 31/155 (2006.01)
A61K 31/625 (2006.01)
A61K 31/352 (2006.01)
(54) COMPOSITIONS AND METHODS FOR MODULATING HAIR GROWTH
(71) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
(72) CHRISTOFK Heather R. and LOWRY William E
(74) Cronjé & Co.
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 28.09.2018 PCT/US2018/053351
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(23) 25.02.2020
(31) 62/544,727
(32) 11.08.2017 (33) US
(51) **H04L 1/00 (2006.01)**
H04L 5/00 (2006.01)
(54) TRANSPORT BLOCK SIZE DETERMINATION FOR EQUAL SIZE CODE BLOCKS
(71) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(72) SANDBERG Sara, BLANKENSHIP Yufei and ANDERSSON Mattias
(74) FISHER CORMACK & BOTHA
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(22) 25.07.2018
(23) 25.02.2020
(31) 201710655146.3
(32) 02.08.2017 (33) CN
(51) **H04W 36/08 (2009.01)**
(54) METHOD AND APPARATUS FOR RESETTING MEDIUM ACCESS CONTROL LAYER
(71) SHARP KABUSHIKI KAISHA
(72) ZHANG Chongming and LIU Renmao
(74) FISHER CORMACK & BOTHA
(84) GH, GM, KE, LR, LS, MW, MZ, RW, SD, TZ, UG, ZW
(86) 25.07.2018 PCT/CN2018/097011
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(22) 09.08.2018
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(31) 62/543,288
(32) 09.08.2017 (33) US
(51) **C12N 1/21 (2006.01)**
C12N 15/52 (2006.01)
C12N 15/63 (2006.01)
C07K 14/195 (2006.01)
C12N 1/20 (2006.01)
C05F 11/08 (2006.01)
(54) METHODS AND COMPOSITIONS FOR IMPROVING ENGINEERED MICROBES
(71) PIVOT BIO, INC.
(72) TAMSIR Alvin, TEMME Karsten and BLOCH Sarah
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 09.08.2018 PCT/US2018/046148
(96) 09.08.2018 AP/P/2020/012245

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(22) 04.12.2017
(23) 25.02.2020
(31) 62/545,038
(32) 14.08.2017 (33) US
(51) **H04W 8/12 (2009.01)**
(54) A METHOD OF EXECUTING A SERVICE FOR A SERVICE CONSUMER, AS WELL AA CORRESPONDING NETWORK NODE AND A COMPUTER PROGRAM PRODUCT
(71) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(72) PUENTE PESTAÑA Miguel Angel and BARTOLOMÉ RODRIGO Maria Cruz
(74) FISHER CORMACK & BOTHA
(84) UG
(86) 04.12.2017 PCT/EP2017/081298
(96) 04.12.2017 AP/P/2020/012246

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(22) 21.08.2018
(23) 25.02.2020
(31) 201721029564
(32) 21.08.2017 (33) IN
(51) **C09B 11/24 (2006.01)**
C07D 213/89 (2006.01)
C07D 213/00 (2006.01)
C07D 213/02 (2006.01)
(54) OCTENIDINE BASED COMPOUNDS
(71) DISHMAN CARBOGEN AMCIS LTD.
(72) PATEL Nilesh D and VYAS Janmejay Rajnikant
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 21.08.2018 PCT/İB2018/056310
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(31) 1713916.3
(32) 30.08.2017 (33) GB
(51) **G01N 33/50 (2006.01)**
A61P 35/00 (2006.01)
A61K 9/08 (2006.01)
A61K 31/7072 (2006.01)
(54) TREATMENT REGIMENS
(71) NUCANA PLC
(72) GRIFFITH Hugh
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) KE
(86) 30.08.2018 PCT/GB2018/052455
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(32) 16.07.2018 (33) EP
(31) 1800866.4
(32) 19.01.2018 (33) GB
(31) 1712857.0
(32) 10.08.2017 (33) GB
(51) **A61P 1/12 (2006.01)**
A61P 35/00 (2006.01)
A61P 37/00 (2006.01)
A23L 33/135 (2016.01)
A61K 35/744 (2015.01)
A61P 29/00 (2006.01)
(54) COMPOSITIONS COMPRISING BACTERIAL STRAINS
(71) 4D PHARMA RESEARCH LIMITED
(72) JEFFERY Ian, SAVIGNAC Helene, MCCLUSKEY Seanin Marie, et al
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 10.08.2018 PCT/EP2018/071831
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(22) 08.08.2018
(23) 25.02.2020
(31) 62/544,379
(32) 11.08.2017 (33) US
(51) **H04W 24/10 (2009.01)**
H04W 36/00 (2009.01)
(54) WIRELESS DEVICE, NETWORK NODE, AND METHODS PERFORMED THEREBY FOR HANDLING MEASUREMENTS ON A SET OF CELLS
(71) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
(72) DA SILVA Icaro L. J and RAMACHANDRA Pradeepa
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
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(32) 11.04.2018 (33) ZA
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(32) 28.02.2018 (33) ZA
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(32) 28.02.2018 (33) ZA
(31) 2017/03958
(32) 27.07.2017 (33) ZA
(51) **F25C 1/246 (2018.01)**
(54) A MOULD
(74) GALLOWAY & COMPANY
(75) NELL Johannes
(84) BW, MZ, NA
(86) 27.07.2018 PCT/ZA2018/050042
(96) 27.07.2018 AP/P/2020/012251

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(32) 23.08.2018 (33) US
(31) 62/552,093
(32) 30.08.2017 (33) US
(51) **A01G 18/64 (2018.01)**
A01G 18/66 (2018.01)
A23J 3/20 (2006.01)
C12R 1/645 (2006.01)
A23L 31/00 (2016.01)
A23L 33/195 (2016.01)
C12R 1/77 (2006.01)
(54) EDIBLE FOODSTUFFS AND BIO REACTOR DESIGN
(71) SUSTAINABLE BIOPRODUCTS, INC.
(72) KOZUBAL Mark A, AVNIEL Yuval C, MACUR Richard E, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 29.08.2018 PCT/US2018/048626
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(31) 62/539,404
(32) 31.07.2017 (33) US
(51) **E04F 17/02 (2006.01)**
F23J 13/06 (2006.01)
A47J 37/07 (2006.01)
B21D 39/03 (2006.01)
(54) SAFE STOVE
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(75) STICE Coleen
(84) KE, MW, MZ, SD, TZ, UG, ZM, ZW
(86) 31.07.2018 PCT/US2018/044670
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(22) 23.08.2018
(23) 28.02.2020
(31) 2017/37
(32) 24.08.2017 (33) MG
(51) **A01K 61/70 (2017.01)**
(54) ARTIFICIAL REEF MADE FROM DEAD HARD CORAL DEBRIS
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(75) BEHIVOKE Faustinato
(84) KE, MZ, TZ
(86) 23.08.2018 PCT/İB2018/056379
(96) 23.08.2018 AP/P/2020/012254

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(22) 22.08.2018
(23) 28.02.2020
(31) 62/548,801
(32) 22.08.2017 (33) US
(51) **H04W 72/04 (2009.01)**
H04W 16/14 (2009.01)
H04W 74/08 (2009.01)
(54) CONTROLLING AUTONOMOUS UL TRANSMISSIONS WHEN COEXISTING WITH SCHEDULED UES
(71) TELEFONAKTIEBOLAGET LM ERICSSON (PUB)
(72) KARAKI Reem
(74) FISHER CORMACK & BOTHA
(84) KE
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(22) 30.07.2018
(23) 28.02.2020
(31) 2017/05136
(32) 28.07.2017 (33) ZA
(51) **C05F 9/04 (2006.01)**
C02F 11/12 (2006.01)
(54) METHOD OF MAKING ORGANIC FERTILIZER FROM WATER HYACINTH
(71) URSINIX (PTY) LTD
(72) KONDOWE John, MLOTCHWA Frank Eddie, MLOTCHWA Benjamin Robert, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 30.07.2018 PCT/İB2018/055685
(96) 30.07.2018 AP/P/2020/012256

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Erratum: Patent Applications Filed

The patent application below was erroneously published in the 31 January 2020 issue of the ARIPO Journal reflecting one of the inventors' name as BROMLEY Claire Noel Alice. The correct order of the inventor's name is BROMLEY Alice Claire Noel as readvertised below.

(21) AP/P/2020/012187
(22) 28.08.2018
(23) 30.01.2020
(31) PCT/EP2017/071655
(32) 29.08.2017 (33) EP
(31) 1713765.4
(32) 28.08.2017 (33) GB
(31) PCT/EP2017/071674
(32) 29.08.2017 (33) EP
(51) **A61P 35/00 (2006.01)**
C07K 16/28 (2006.01)
C07K 16/40 (2006.01)
C12N 15/861 (2006.01)
A61K 35/761 (2015.01)
C07K 14/52 (2006.01)
C07K 14/715 (2006.01)
A61K 39/39 (2006.01)
A61K 39/395 (2006.01)
(54) ADENOVIRUS ARMED WITH BISPECIFIC T CELL ENGAGER (BITE)
(71) PSIOXUS THERAPEUTICS LIMITED
(72) BROMLEY Alice Claire Noel and CHAMPION Brian
(74) SAMURIWO ATTORNEYS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 28.08.2018 PCT/EP2018/073160
(96) 28.08.2018 AP/P/2020/012187

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(23) 03.02.2020
(51) **B30B 15/32 (2006.01)**
A23G 1/08 (2006.01)
B30B 9/04 (2006.01)
(54) METHOD OF AND PRESS FOR SEPARATING COCOA MASS INTO COCOA BUTTER AND COCOA CAKE
(71) ROYAL DUYVIS WIENER B.V.
(72) HUIJBERS Hans
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH

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(23) 29.03.2004
(51) **H01F 27/32(2006.01)**
H02K 3/30 (2006.01)
(54) ELECTROMAGNECTIC DEVICE.
(71) ASEA BROWN BOVERI AB
(72) LEIJON Mats
(74) B. W. KAHARI LEGAL PRACTITIONERS
(84) GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW

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(54) PHARMACEUTICAL COMPOSITIONS CONTAINING MICRONIZED BICYCLIC DRUGS.
(71) SMITHKLINE BEECHAM P.L.C.
(72) KNIGHT Wendy Anne, DUMPLETON David Robert, HOLLAND Simon Joseph, et al
(74) HONEY & BLANCKENBERG
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW

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(71) SOCIETE DES PRODUITS NESTLE S.A.
(72) SONG-BODENSTAB Xiaomei and EICHLER P
(74) HONEY & BLANCKENBERG
(84) GH

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(23) 04.08.2003
(54) THREE-DIMENSIONAL STRUCTURES AND MODELS OF FC RECEPTOR AND USES THEREOF.
(71) ILEXUS PTY LIMITED
(72) BAELL Jonathan B, MCCARTHY Thomas D, GARRETT Thomas P. J, et al
(74) HONEY & BLANCKENBERG
(84) KE, ZW

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(54) GROUP B STREPTOCOCCUS ANTIGENS.
(71) BIOCHEM PHARMA INC
(72) CHARLEBOIS Isabelle, MARTIN Denis, RIOUX Clement, et al
(74) HONEY & BLANCKENBERG
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW

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(71) OY FINNISH IMMUNOTECHNOLOGY LTD.
(72) TAHTINEN Maria, RANKI Paivi Annamari, PETERSON Part, et al
(74) HONEY & BLANCKENBERG
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW

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(51) **A61N 1/10 (2006.01)**
A61N 5/00 (2006.01)
A61N 5/06 (2006.01)
(54) SPATIAL FIELD EFFECT PHYSICAL THERAPY DEVICE.
(74) HUSSEIN RANCHHOD & CO
(75) ZHENG Jibing
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW

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(23) 02.07.2009
(51) **A61L 2/00 (2006.01)**
A01N 25/26 (2006.01)
B01D 71/06 (2006.01)
(54) MICROPOROUS FILTER MEDIA, FILTRATION SYSTEMS CONTANINING SAME, AND METHODS OF MAKING AND USING
(71) KX TECHNOLOGIES LLC.
(72) KOSLOW Evan E.
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(54) NICOTINAMIDE DERIVATIVES USEFUL AS PDE4 INHIBITORS
(71) PFIZER INC.
(72) HENDERSON Alan John, MAGEE Thomas Victor, GAUTIER Elisabeth Colette Louise, et al
(74) GALLOWAY & COMPANY
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW

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(23) 17.08.2012
(51) **C07D 417/12 (2006.01)**
A61K 31/496 (2006.01)
A61P 25/00 (2006.01)
(54) CONTROLLED SYNTHESIS OF ZIPRASIDONE AND COMPOSITIONS THEREOF
(71) PFIZER PRODUCTS INC.
(72) BUSCH Frank Robert, HOWARD Harry Ralph Jr, GROBIN Adam Worth, et al
(74) GALLOWAY & COMPANY
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW

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(23) 10.08.2006
(51) **A01N 43/90 (2006.01)**
A01N 47/42 (2006.01)
A01N 25/30 (2006.01)
(54) SYNERGISTIC INSECTICIDAL MIXTURES.
(71) BAYER CROPSCIENCE AKTIENGESELLSCHAFT
(72) ERDELEN Christoph, ANDERSCH Wolfram and JESCHKE Peter
(74) HONEY & BLANCKENBERG
(84) GH, KE

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(21) AP/P/2004/003107
(23) 10.08.2006
(51) **A01N 47/38 (2006.01)**
A01N 47/12 (2006.01)
A01N 43/90 (2006.01)
(54) SYNERGISTIC INSECTICIDAL MIXTURES.
(71) BAYER CROPSCIENCE AG
(72) JESCHKE Peter, ANDERSCH Wolfram, ERDELEN Christoph, et al
(74) HONEY & BLANCKENBERG
(84) GH, KE

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(21) AP/P/2004/003109
(23) 27.07.2003
(54) METHOD OF PROVIDING PROPHYLAXIS FOR TUBERCULOSIS IN HIV POSITIVE INDIVIDUALS
(71) MODI Rajiv Indravadan
(72) KHAMAR Bakulesh Mafatlal
(74) GALLOWAY & COMPANY
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2004/003113
(23) 21.08.2009
(54) USE OF AN INHIBITOR OR ANTAGONIST AGAINST TISSUE FACTOR
(71) PROPHY MED AB
(72) NILSSON Bo and KORSGREN Olle
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(23) 04.11.2008
(51) **C07D 498/04 (2006.01)**
A61K 31/5365 (2006.01)
A61P 31/00 (2006.01)
(54) (1,10B-DIHYDRO-2-(AMINOCARBONYL-PHENYL)-5H-PYRAZOLO[1,5-C][1,3]BENZOXAZIN-5-YL)PHENYL METHANONE DERIVATIVES AS HIV VIRAL REPLICATION INHIBITORS
(71) TIBOTEC PHARMACEUTICALS LTD.
(72) VAN ACKER Koenraad, Lodewijk, August, TAHRI Abdellah, MICHIELS Lieve, Emma, Jan, et al
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(23) 01.10.2011
(51) **A63J 5/02 (2006.01)**
A63J 23/02 (2006.01)
G03B 21/28 (2006.01)
(54) PROJECTION APPARATUS AND METHOD FOR PEPPER'S GHOST ILLUSION
(71) MUSION SYSTEMS LIMITED
(72) O'CONNELL Ian and ROCK James
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(23) 20.10.2010
(51) **A61K 31/535 (2006.01)**
(54) MORPHOLINE COMPOUNDS
(71) PFIZER INC.
(72) STOBIE Alan, FISH Paul Vincent, WHITLOCK Gavin Alistair, et al
(74) GALLOWAY & COMPANY
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW

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(23) 13.11.2010
(51) **C07D 519/00 (2006.01)**
C07D 487/04 (2006.01)
C07D 487/14 (2006.01)
(54) TETRAAZABENZO[E]AZULENE DERIVATIVES AND ANALOGS THEREOF
(71) PFIZER PRODUCTS INC.
(72) CAMERON Kimberly O'Keefe
(74) GALLOWAY & COMPANY
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW

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(21) AP/P/2006/003769
(23) 22.10.2008
(51) **C07D 213/16 (2006.01)**
C07C 235/60 (2006.01)
C07C 255/54 (2006.01)
(54) ORTHO SUBSTITUTED ARYL OR HETEROARYL AMIDE COMPOUNDS
(71) PFIZER INC.
(72) YAMAGISHI Tatsuya, NAKAO Kazunari, OKUMURA Yoshiyuki, et al
(74) GALLOWAY & COMPANY
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW

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(21) AP/P/2006/003771
(23) 19.10.2009
(51) **C07C 311/08 (2006.01)**
C07C 323/42 (2006.01)
C07D 295/03 (2006.01)
(54) SUBSTITUTED MORPHOLINE COMPOUNDS FOR THE TREATMENT OF CENTRAL NERVOUS SYSTEM DISORDERS
(71) WARNER-LAMBERT COMPANY LLC
(72) BARTA Nancy Sue, GLASE Shelly Ann, XU Wenjian, et al
(74) GALLOWAY & COMPANY
(84) GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW

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(21) AP/P/2006/003778
(23) 08.09.2008
(51) **A01N 43/90 (2006.01)**
C07D 487/04 (2006.01)
(54) 5,6-DIALKYL - 7-AMINO-TRIAZOLOPYRIMIDINES, METHOD FOR THEIR PRODUCTION, THEIR USE FOR CONTROLLING PATHOGENIC FUNGI AND AGENTS CONTAINING SAID COMPOUNDS
(71) BASF AKTIENGESELLSCHAFT
(72) WAGNER Oliver DR., GEWEHR Markus, SCHÄFER Peter, et al
(74) KAPLAN & STRATTON ADVOCATES
(84) KE

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(23) 20.07.2011
(51) **B02C 19/18 (2006.01)**
B02C 19/06 (2006.01)
(54) SYSTEM AND METHOD FOR PULVERIZING AND EXTRACTING MOISTURE
(72) NEW Levi, CASE Wayne and GRAHAM William
(74) COGHLAN, WELSH & GUEST
(75) GRAHAM William
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2008/004345
(23) 08.02.2012
(51) **B62K 11/02 (2006.01)**
(54) VEHICLE FRAME AND METHOD OF MANUFACTURING A VEHICLE
(71) BAJAJ AUTO LIMITED
(72) DESHPANDE Prashant, Ramesh, PATWARDHAN Vivek, Nilkanth and JOSEPH Abraham
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2008/004350
(23) 21.01.2011
(51) **A61K 31/728 (2006.01)**
(54) METHOD FOR TREATING SICKLE CELL DISEASE AND SICKLE CELL DISEASE SEQUELAE
(71) TRF PHARMA, INC
(72) ENGLEMAN Edgar G and YU Chen, M
(74) GILL, GODLONTON & GERRANS
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2008/004354
(23) 04.04.2011
(51) **A61K 31/352 (2006.01)**
A61K 33/06 (2006.01)
A61K 31/135 (2006.01)
(54) ANTI-MALARIAL COMPOSITION
(71) CIPLA LIMITED
(72) MALHOTRA Geena and LULLA Amar
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2008/004355
(23) 08.02.2011
(51) **A01N 47/34 (2006.01)**
A01N 25/02 (2006.01)
A01P 7/04 (2006.01)
(54) EMULSIFIABLE CONCENTRATE
(71) BASF AKTIENGESELLSCHAFT
(72) FINCH Charles
(74) KAPLAN & STRATTON ADVOCATES
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2008/004356
(23) 08.02.2012
(51) **A01P 7/00 (2006.01)**
A01P 5/00 (2006.01)
A01N 47/34 (2006.01)
A01N 43/40 (2006.01)
(54) PESTICIDAL MIXTURES COMPRISING A PHENYLSEMICARBAZONE
(71) BASF SE
(72) LANGEWALD Jürgen Dr., WILHELM Ronald, ANSPAUGH Douglas D Dr., et al
(74) KAPLAN & STRATTON ADVOCATES
(84) KE, SD, ZW

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(21) AP/P/2008/004357
(23) 09.02.2011
(51) **A01P 7/00 (2006.01)**
A01N 43/40 (2006.01)
A01P 5/00 (2006.01)
A01N 47/34 (2006.01)
(54) PESTICIDAL MIXTURES
(71) BASF AKTIENGESELLSCHAFT
(72) ANSPAUGH Douglas D Dr., WILHELM Ronald and LANGEWALD Jürgen Dr.
(74) KAPLAN & STRATTON ADVOCATES
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2008/004359
(23) 08.12.2010
(51) **A61C 13/00 (2006.01)**
(54) DENTAL PROSTHESIS
(74) HONEY & BLANCKENBERG
(75) BOZDEMIR Adnan
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2008/004360
(23) 10.02.2011
(51) **C08J 5/24 (2006.01)**
B32B 21/00 (2006.01)
C08J 5/04 (2006.01)
(54) NATURAL FIBRE THERMOSET COMPOSITE PRODUCT AND METHOD FOR MANUFACTURING THE SAME
(71) A.B COMPOSITES PRIVATE LIMITED
(72) SAMANTA Dasarathi, SAMANTA Basudev, SAMANTA Mahadeb, et al
(74) KAPLAN & STRATTON ADVOCATES
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2008/004660
(23) 25.10.2013
(51) **G06Q 20/00 (2006.01)**
(54) METHOD AND SYSTEM FOR MANAGING AN ELECTRONIC PAYMENT
(71) FRANCE TELECOM
(72) SAHNOUN Rym and BERNOVILLE Severine
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2009/004950
(23) 07.07.2012
(51) **G02B 5/10 (2006.01)**
H01L 3/042 (2006.01)
(54) CONVERSION OF SOLAR ENERGY TO ELECTRICAL AND/OR HEAT ENERGY
(71) EDTEK, INC.
(72) MORGAN Mark and HORNE William
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2009/004953
(23) 05.09.2012
(51) **F24J 2/07 (2006.01)**
F24J 2/52 (2006.01)
(54) SOLAR ENERGY COLLECTION SYSTEM
(71) NOLARIS SA
(72) ALLANI Yassine, WANNEMACHER Markus, ELSASSER Urs, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2009/004954
(23) 25.07.2012
(51) **C07D 487/04 (2006.01)**
A61K 31/519 (2006.01)
A61P 35/00 (2006.01)
(54) 2-AMINO-5, 7-DIHYDRO-6H-PYRROLO [3,4-D] PYRIMIDINE DERIVATIVES AS HSP-90 INHIBITORS FOR TREATING CANCER
(71) PFIZER INC.
(72) HUANG Buwen, MENG Jerry Jialun, KUNG Pei-Pei, et al
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2009/004955
(23) 30.07.2012
(51) **A01P 13/00 (2006.01)**
A01N 43/68 (2006.01)
A01N 43/70 (2006.01)
(54) HERBICIDE COMBINATION
(71) BAYER CROPSCIENCE AG
(72) TRABOLD Klaus, HILLS Martin Jeffrey and HACKER Erwin
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2009/004957
(23) 20.08.2014
(51) **B32B 5/02 (2006.01)**
B32B 27/08 (2006.01)
B32B 7/02 (2006.01)
B23B 27/04 (2006.01)
(54) ABRASION RESISTANT PANEL
(74) GALLOWAY & COMPANY
(75) HOFFMANN George, Fechter
(84) BW, MZ, NA, TZ, ZM, ZW

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(21) AP/P/2009/004958
(23) 04.08.2011
(51) **A61P 3/00 (2006.01)**
C07D 487/04 (2006.01)
A61K 31/4162 (2006.01)
(54) 3-AMINO-PYRROLO [3,4-C] PYRAZOLE -5 (1H, 4H, 6H) CARBALDEHYDE DERIVATIVES AS PKC INHIBITORS.
(71) PFIZER INC.
(72) YIN Chunfeng, TENG Min, SCALES Stephanie, Anne, et al
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2009/004960
(23) 27.08.2011
(51) **A61K 38/07 (2006.01)**
C07D 403/12 (2006.01)
C07K 5/10 (2006.01)
A61K 31/497 (2006.01)
(54) CO-CRYSTALS AND PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME
(71) VERTEX PHARMACEUTICALS INCORPORATED
(72) JURKAUSKAS Valdas, STAVROPOLUS Kathy, CONNELLY Patrick, R, et al
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2009/004961
(23) 30.09.2013
(51) **B65H 7/02 (2006.01)**
(54) SHEET SENSING APPARATUS AND METHOD
(71) TALARIS HOLDINGS LIMITED
(72) CALVERELY Simon
(74) FISHER CORMACK & BOTHA
(84) BW, GH, KE, SD, TZ, UG

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Patent Applications Abandoned/ Lapsed/Withdrawn (Contd.)

(21) AP/P/2009/005019
(23) 24.09.2011
(51) **G06Q 50/00 (2006.01)**
(54) SYSTEM AND METHOD FOR DEMAND DISPATCH AND LOAD MANAGEMENT
(71) BPL GLOBAL, LTD
(72) BAUER Michael, HYMER Larry, CAROLINE Heidi, et al
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2011/005538
(23) 17.01.2014
(51) A61K 38/17 (2006.01)
(54) TREATMENT OF INFLAMMATORY BOWEL DISEASES WITH MAMMAL BETA DEFENSINS
(71) NOVOZYMES ADENIUM BIOTECH A/S
(72) KJAERULFF Soeren, KRUSE Thomas, BRINCH Karoline, Sidelmann, et al
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2011/005539
(23) 19.12.2013
(51) **A61M 5/32 (2006.01)**
A61M 5/50 (2006.01)
A61M 5/315 (2006.01)
A61M 5/34 (2006.01)
(54) HYPODERMIC SYRINGE WITH RETRACTABLE NEEDLE
(71) ADDINO B.V.
(72) VOGELAAR Dirk, TELKAMP Arnoldus, Theodorous, Maria, FIERKENS Richardus, Gerardus, Theodora, et al
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2011/005543
(23) 29.11.2012
(51) **F03B 13/26 (2006.01)**
(54) POWER PLANT
(74) FISHER CORMACK & BOTHA
(75) RAMSTRÖM Ulf, Sven
(84) MZ, TZ

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(21) AP/P/2011/005544
(23) 19.12.2013
(51) **H04M 15/00 (2006.01)**
H04W 4/24 (2009.01)
(54) METHOD AND SYSTEM TO IMPLEMENT TELEPHONY BILLING TO INCENTIVISE SHARED PHONE USAGE
(71) MOVIRTU LIMITED
(72) WALLER Nigel
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2011/005545
(23) 19.12.2013
(51) **C12N 1/20 (2006.01)**
C12P 7/25 (2006.01)
(54) METHODS AND PROCESSES FOR PRODUCING ORGANIC ACIDS
(71) THE OHIO STATE UNIVERSITY
(72) YANG Shang-Tian
(74) GALLOWAY & COMPANY
(84) GH, KE, TZ

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(21) AP/P/2011/005546
(23) 25.12.2015
(51) **G01N 33/50 (2006.01)**
C12Q 1/00 (2006.01)
G01N 33/53 (2006.01)
(54) BLOOD TRANSCRIPTIONAL SIGNATURE OF MYCOBACTERIUM TUBERCULOSIS INFECTION
(71) BAYLOR RESEARCH INSTITUTE, IMPERIAL COLLEGE HEALTHCARE NHS TRUST and MEDICAL RESEARCH COUNCIL
(72) CHAUSSABEL Damien, BANCHEREAU Jacques F, KON Onn Min, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2011/005551
(23) 24.12.2014
(51) **E21B 33/03 (2006.01)**
(54) APPARATUS FOR IMPROVING WELL SAFETY AND RECOVERY AND INSTALLATION PROCESS THEREOF
(71) ENI S.p.A.
(72) DI RENZO Domenico
(74) FISHER CORMACK & BOTHA
(84) GH, MZ

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(21) AP/P/2011/005557
(23) 29.12.2012
(51) **C12N 15/11 (2006.01)**
(54) IMPROVED PROTEIN PRODUCTION AND STORAGE IN PLANTS
(71) DONALD DANFORTH PLANT SCIENCE CENTER and THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE
(72) SCHMIDT Monica, A and HERMAN Eliot M
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2012/006203
(23) 17.03.2015
(51) **B65D 90/00 (2006.01)**
B65D 90/04 (2006.01)
B65D 88/16 (2006.01)
(54) PACKAGING CONTAINER FOR BITUMEN
(71) POLYCUBE SYSTEMS GMBH
(72) BUGL Rosemarie and KREGER Michael
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2012/006204
(23) 19.04.2016
(51) **A61K 31/437 (2006.01)**
A61K 31/4439 (2006.01)
C07D 401/12 (2006.01)
C07D 471/04 (2006.01)
(54) INDAZOLE AND PYRAZOLOPYRIDINE COMPOUNDS AS CCR1 RECEPTOR ANTAGONISTS
(71) BOEHRINGER INGELHEIM INTERNATIONAL GMBH
(72) COOK Brian Nicholas, MAO Can, KUZMICH Daniel, et al
(74) HONEY & BLANCKENBERG
(84) BW, KE, LR, MZ, NA, TZ

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(21) AP/P/2012/006205
(23) 13.03.2016
(51) **A01G 13/02 (2006.01)**
A01G 29/00 (2006.01)
(54) A REMOVABLE PLANT PROTECTION SYSTEM AND METHOD OF PROTECTIONG A PLANT
(71) HOLDING P.M.M.HOFF B.V.
(72) HOFF Petrus Mattheus Maria
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2012/006210
(23) 09.03.2014
(51) **H01G 4/20 (2006.01)**
(54) VACUUM CAPACITOR
(71) KHOLOSHENKO Roman Stanislavovich, KORSUN Ilya Vladimirovich, KOVALENKO Gennady Viktotovich, et al
(72) KHOLOSHENKO Roman Stanislavovich and KOVALENKO Gennady Viktotovich
(74) FISHER CORMACK & BOTHA
(75) KHOLOSHENKO Roman Stanislavovich and KOVALENKO Gennady Viktotovich
(84) BW, GH, KE, MZ, NA, SD, ZM, ZW

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Patent Applications Abandoned/ Lapsed/Withdrawn (Contd.)

(21) AP/P/2012/006212
(23) 21.04.2013
(51) **B27N 3/04 (2006.01)**
(54) PRESSED LAMINAR SHEET COMPRISING A RETICULAR ROOT MAT AND ADHESIVE, METHOD THEREOF AND WOOD-LIKE PANEL MADE USING SAID LAMINAR SHEET
(74) HONEY & BLANCKENBERG
(75) GARCIA CASTELBLANCO Roberto and ZUÑIGA BRAVO Ignacio Patricio
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2012/006215
(23) 13.10.2017
(51) **A23L 1/00 (2006.01)**
A21D 13/00 (2006.01)
(54) FILLED SNACKS
(71) Perfetti van Melle S.p.A.
(72) BRUSONI Gianluca
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2012/006216
(23) 03.05.2015
(51) **C07D 403/14 (2006.01)**
A61K 31/4184 (2006.01)
A61P 31/12 (2006.01)
(54) BENZIMIDAZOLE-IMIDAZOLE DERIVATIVES
(71) JANSSEN R & D IRELAND
(72) HOUPIS Ioannis Nicolaos, RABOISSON Pieere Jean-Marie, VANDYCK Koen, et al
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2012/006225
(23) 21.03.2014
(51) **B01D 1/00 (2006.01)**
B01D 5/00 (2006.01)
C02F 103/04 (2006.01)
C02F 1/14 (2006.01)
(54) SOLAR POWERED WATER PURIFICATION SYSTEM
(71) EPIPHANY SOLAR WATER SYSTEMS
(72) JOSEPH Thomas A III, WANDRIE Henry Maurice III, NEWTON Charles Christopher, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2012/006498
(23) 05.04.2016
(51) **C06C 5/00 (2006.01)**
(54) BOOSTER ASSEMBLY
(71) AEL MINING SERVICES LIMITED
(72) CLOETE Etienne Eugen and NEIMANN Frank
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2013/007001
(23) 19.01.2017
(51) **G07G 1/12 (2006.01)**
(54) IMPROVING LIQUIDITY MANAGEMENT (M-PESA)
(71) VODAFONE IP LICENSING LIMITED
(72) CORNFORTH Peter, DOWNING Jason and REEVE Gregory
(74) FISHER CORMACK & BOTHA
(84) GH, KE, LS, MZ, TZ

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(21) AP/P/2013/007002
(23) 22.01.2018
(51) **G06Q 20/00 (2006.01)**
(54) MOBILE SAVINGS ACCOUNT
(71) VODAFONE IP LICENSING LIMITED
(72) REEVE Gregory, DOWNING Jason and CORNFORTH Peter
(74) FISHER CORMACK & BOTHA
(84) GH, KE, LS, MZ, TZ

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(21) AP/P/2013/007003
(23) 19.07.2016
(51) **A47F 1/04 (2006.01)**
(54) A DISPLAY SYSTEM FOR PRODUCTS AND/OR SERVICES
(71) BLUCHIP MEDIA (PROPRIETARY) LIMITED
(72) BOTHA Jody, VAN ONSELEN Carlo Antoine and OELOFSE Lofty
(74) HONEY & BLANCKENBERG
(84) BW, LS, NA, SZ

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(21) AP/P/2013/007005
(23) 30.06.2015
(51) **A01N 63/02 (2006.01)**
C12N 15/12 (2006.01)
C12N 15/82 (2006.01)
A01H 5/00 (2006.01)
(54) NUCLEIC ACID MOLECULES THAT TARGET THE RHO1 SMALL GTP-BINDING PROTEIN AND CONFER RESISTANCE TO COLEOPTERAN PESTS
(71) Dow AgroSciences LLC
(72) LI Huarong, OLSON Monica Britt, GENG Chaoxian, et al
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2013/007011
(23) 06.07.2018
(51) **C22B 3/06 (2006.01)**
C22B 3/08 (2006.01)
C22B 34/24 (2006.01)
C22B 59/00 (2006.01)
C22B 60/02 (2006.01)
C22B 1/02 (2006.01)
C22B 1/06 (2006.01)
(54) DISSOLUTION AND RECOVERY OF AT LEAST ONE ELEMENT NB OR TA AND OF AT LEAST ONE OTHER ELEMENT U OR RARE EARTH ELEMENTS FROM ORES AND CONCENTRATES
(71) ERAMET and AREVA MINES
(72) DURUPT Nicolas, AGIN Jèromè, THIRY Jacques, et al
(74) GALLOWAY & COMPANY
(84) KE, MW, NA, TZ, UG, ZM

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(21) AP/P/2013/007013
(23) 21.06.2014
(51) **A61P 31/04 (2006.01)**
A61P 31/06 (2006.01)
B82Y 5/00 (2011.01)
A61K 31/496 (2006.01)
A61K 47/42 (2006.01)
(54) METHOD FOR PRODUCING A WATER-SOLUBLE MEDICINAL FORM OF AN ANTIBIOTIC FROM THE GROUP CONSISTING OF RIFAMYCINS, AND COMPOSITION PRODUCED BY SAID METHOD
(71) OBSCHESTVO S ORGANICHENNOY OTVETSTVENNOSTYU "NAUCHNO-PROIZVODSTVENNYJ KOMPLEKS "NANOSISTEMA"
(72) IGNATEV Aleksej Vladimirovich, MAKSIMENKO Olga Olegovna, SHIPULO Elena Vladimirovna, et al
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, MZ, NA, SD, TZ, UG, ZM, ZW

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(21) AP/P/2013/007026
(23) 13.10.2014
(51) **E04B 2/74 (2006.01)**
E04B 9/06 (2006.01)
(54) DEFORMABLE GUIDE FOR PARTITIONS IN GENERAL
(74) COGHLAN, WELSH & GUEST
(75) CECCATO Nicola
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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Patent Applications Abandoned/ Lapsed/Withdrawn (Contd.)

(21) AP/P/2013/007030
(23) 27.07.2017
(51) **A61K 131/00 (2006.01)**
A61K 36/42 (2006.01)
A61K 9/00 (2006.01)
A61P 3/10 (2006.01)
(54) PROCESS FOR PREPARATION OF A HERBAL EXTRACT
(71) PIRAMAL ENTERPRISES LIMITED
(72) SHARMA Somesh, SUTHAR Ashish and CHAUHAN Vijay Singh
(74) HONEY & BLANCKENBERG
(84) GH

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(21) AP/P/2013/007169
(23) 06.09.2014
(51) **F22B 1/06 (2006.01)**
F28D 20/02 (2006.01)
F22B 1/02 (2006.01)
F24J 2/07 (2006.01)
(54) THERMAL STORAGE FACILITY ESPECIALLY SUITABLE FOR CONCENTRATING SOLAR POWER INSTALLATIONS
(71) STELLENBOSCH UNIVERSITY
(72) KOTZE Johannes Paulus
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2014/007672
(23) 22.06.2015
(51) **B28C 5/42 (2006.01)**
B60P 3/16 (2006.01)
(54) SCMD TRANSIT MIXER FOR PRODUCTION & TRANSPORTATION OF CONCRETE
(74) HAMILTON HARRISON & MATHEWS ADVOCATES
(75) GOKHALE Amit Arun and GOKHALE Anand Arun
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2014/007774
(23) 09.01.2016
(51) **C07K 14/605 (2006.01)**
A61K 38/26 (2006.01)
(54) NEW PYRROLE COMPOUNDS, A PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM
(71) VERNALIS (R&D) LTD. and LES LABORATOIRES SERVIER
(72) LE TIRAN Arnaud, TATAI Janos, FEJES Imre, et al
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, ZM, ZW

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(21) AP/P/2014/007843
(23) 20.05.2017
(51) **B65G 45/16 (2006.01)**
(54) AN IMPROVED BELT SCRAPER MOUNTING
(71) TEGA INDUSTRIES LIMITED
(72) ROY Saroj Kumar
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2014/007845
(23) 28.01.2017
(51) **B62J 9/00 (2006.01)**
B62J 11/00 (2006.01)
(54) MOTOR CYCLE LUGGAGE BAG CONTAINER ACCESSORIES
(74) IMPERIAL INTELLECTUAL PROPERTY INVESTMENTS
(75) STEPHANOU Antonakis Manolis
(84) ZW

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(21) AP/P/2014/007850
(23) 18.07.2016
(51) **G06F 3/023 (2006.01)**
(54) METHOD AND SYSTEM FOR SHARING A HOTKEY AMONG APPLICATION INSTANCES
(71) TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED
(72) LIU Huantong, XIE Weiwen, GAO Shundong, et al
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2014/007860
(23) 21.07.2018
(51) **A61B 17/326 (2006.01)**
(54) PREPUTIAL CIRCUMCISION APPARATUS
(74) FISHER CORMACK & BOTHA
(75) LI Siyuan
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2014/007863
(23) 31.07.2016
(51) **H04N 7/15 (2006.01)**
(54) MULTIMEDIA DATA TRANSMISSION METHOD, DEVICE AND SYSTEM
(71) TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED
(72) CHEN Jiajun and ZHANG Ke
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2014/007869
(23) 22.07.2017
(51) **A61P 35/00 (2006.01)**
C07D 487/04 (2006.01)
A61K 31/4188 (2006.01)
(54) SUBSTITUTED PHENYLIMIDAZOPYRAZOLES AND USE THEREOF
(71) BAYER PHARMA AKTIENGESELLSCHAFT and BAYER INTELLECTUAL PROPERTY GMBH
(72) LINDNER Niels, HÄRTER Michael, LOBELL Mario, et al
(74) FISHER CORMACK & BOTHA
(84) KE

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(21) AP/P/2014/007871
(23) 06.08.2018
(51) **G02B 6/38 (2006.01)**
(54) OPTICAL FIBER CONNECTION SYSTEM INCLUDING OPTICAL FIBER ALIGNMENT DEVICE
(71) TYCO ELECTRONICS RAYCHEM BVBA and TYCO ELECTRONICS CORPORATION
(72) VERHEYDEN Danny Willy August, ERDMAN David Donald, GURRERI Michael, et al
(74) GALLOWAY & COMPANY
(84) KE

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(21) AP/P/2014/007888
(23) 01.09.2015
(51) **G06F 17/30 (2006.01)**
H04L 29/08 (2006.01)
(54) CONTENT SHARING METHOD, TERMINAL, SERVER, AND SYSTEM, AND COMPUTER STORAGE MEDIUM
(71) TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED
(72) ZHANG Xiaolong
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2015/008504
(23) 15.05.2016
(51) **A61P 35/00 (2006.01)**
A61P 7/06 (2006.01)
A61K 31/7088 (2006.01)
A61P 35/02 (2006.01)
A61K 31/7125 (2006.01)
A61P 7/00 (2006.01)
(54) USE OF TELOMERASE INHIBITORS FOR THE TREATMENT OF MYELOPROLIFERATIVE DISORDERS AND MYELOPROLIFARATIVE NEOPLASMS
(71) GERON CORPORATION
(72) KELSEY Stephen and STUART Monic J
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, ZM, ZW

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Patent Applications Abandoned/ Lapsed/Withdrawn (Contd.)

(21) AP/P/2015/008610
(23) 15.07.2018
(51) **C10G 2/00 (2006.01)**
(54) HYDROCARBON SYNTHESIS REACTION APPARATUS
(71) JAPAN PETROLEUM EXPLORATION CO., LTD., JX NIPPON OIL & ENERGY CORPORATION, NIPPON STEEL & SUMIKIN ENGINEERING CO., LTD., et al
(72) KATO Yuzuru, YAMADA Eiichi, MURATA Atsushi, et al
(74) FISHER CORMACK & BOTHA
(84) MZ, TZ

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(21) AP/P/2015/008785
(23) 03.02.2020
(51) **B05B 1/00 (2006.01)**
B05B 11/00 (2006.01)
A01G 25/16 (2006.01)
A01M 7/00 (2006.01)
(54) APPARATUS FOR RECONFIGURING SPRAY EQUIPMENT, AND METHOD
(71) AGRICULTURAL MAGNETICS, LTD.
(72) LENHARDT Theodore
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE, MW, MZ, RW, TZ, UG, ZM, ZW

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(21) AP/P/2015/008931
(23) 20.10.2014
(51) **C07D 277/62 (2006.01)**
C07D 417/04 (2006.01)
C07D 277/82 (2006.01)
C07D 277/64 (2006.01)
A61K 31/428 (2006.01)
A61K 31/436 (2006.01)
C07D 491/06 (2006.01)
A61P 31/18 (2006.01)
(54) BENZOTHIAZOLE COMPOUNDS AND THEIR PHARMACEUTICAL USE
(71) GILEAD SCIENCES, INC.
(72) ROETHLE Paul A, MITCHELL Michael L, XU Lianhong, et al
(74) B. W. KAHARI LEGAL PRACTITIONERS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2015/008952
(23) 20.12.2017
(51) **C07K 16/28 (2006.01)**
(54) LECTIN-LIKE OXIDIZED LDL RECEPTOR 1 ANTIBODIES AND METHODS OF USE
(71) NOVARTIS AG
(72) ZHANG Chonghui, TRAUGHER John, DOLE William, et al
(74) HONEY & BLANCKENBERG
(84) BW, GH, KE, NA

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(21) AP/P/2016/009130
(23) 06.10.2017
(51) **A61K 2/00 (2006.01)**
(54) SUPPORTING FRAME ASSEMBLY
(71) STELLENBOSCH UNIVERSITY
(72) GAUCHÉ Paul
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, NA

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(21) AP/P/2016/009131
(23) 06.10.2017
(51) **A61F 2/00 (2006.01)**
(54) FRAME SUPPORTED HEIGHT ADJUSTABLE PYLON
(71) STELLENBOSCH UNIVERSITY
(72) LARMUTH James Nicholas and LANDMAN Willem Adolph
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, NA

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(21) AP/P/2016/009248
(23) 15.06.2018
(51) **A61P 25/00 (2006.01)**
A61P 29/00 (2006.01)
C07D 417/14 (2006.01)
A61K 31/4439 (2006.01)
(54) APOPTOSIS SIGNAL-REGULATING KINASE INHIBITORS
(71) GILEAD SCIENCES, INC.
(72) NOTTE Gregory
(74) B. W. KAHARI LEGAL PRACTITIONERS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009533
(23) 27.09.2017
(51) **B60H 1/32 (2006.01)**
F24F 5/00 (2006.01)
(54) AN AIR COOLER
(71) SYMPHONY LIMITED
(72) BAKERI Achal
(74) Cronjé & Co.
(84) KE, SD

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(21) AP/P/2017/009752
(23) 20.04.2018
(51) **A61P 25/00 (2006.01)**
C07D 209/14 (2006.01)
A61K 31/4045 (2006.01)
(54) ACTIVE METABOLITE OF 1-[(2-BROMOPHENYL) SULFONYL]-5-METHOXY-3- [(4-METHYL-1-PIPERAZINYL) METHYL]-1H-INDOLE DIMESYLATE MONOHYDRATE AND DIMESYLATE DIHYDRATE SALT OF ACTIVE METABOLITE
(71) SUVEN LIFE SCIENCES LIMITED
(72) JASTI Venkateswarlu, SHINDE Anil Karbhari, KAMBHAMPATI Ramasastri, et al
(74) Cronjé & Co.
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, ZM, ZW

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(21) AP/P/2017/010267
(23) 08.02.2019
(51) **D21F 11/00 (2006.01)**
D21F 11/14 (2006.01)
(54) SOFT ABSORBENT SHEETS, STRUCTURING FABRICS FOR MAKING SOFT ABSORBENT SHEETS, AND METHODS OF MAKING SOFT ABSORBENT SHEETS
(71) Gpcp Ip Holdings LIc
(72) SZE Daniel H
(74) FISHER CORMACK & BOTHA
(84) GH, KE

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(21) AP/P/2018/010455
(23) 15.07.2019
(51) **G01N 33/569 (2006.01)**
(54) METHOD FOR ASSESSING CELL SURFACE RECEPTORS OF BLOOD CELLS
(71) Gentian Diagnostics AS
(72) SUNDREHAGEN Erling
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE, TZ

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(21) AP/P/2019/011372
(23) 03.02.2020
(51) **C07D 471/14 (2006.01)**
A61K 31/4985 (2006.01)
A61P 13/12 (2006.01)
(54) TRIAZOLOPYRAZINONE DERIVATIVE USEFUL AS A HUMAN PDE1 INHIBITOR
(71) ELI LILLY AND COMPANY
(72) SHI Qing and REKHTER Mark David
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, NA

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Patent Applications Renewed

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2013/007107	24.01.2020	10.02.2021	8th yr
AP/P/2013/007125	31.01.2020	24.02.2021	8th yr
AP/P/2015/008263	17.01.2020	10.02.2021	5th yr
AP/P/2015/008299	26.02.2020	09.03.2021	5th yr
AP/P/2015/008616	24.01.2020	06.02.2021	6th yr
AP/P/2015/008617	27.01.2020	30.01.2021	7th yr
AP/P/2015/008635	06.02.2020	19.02.2021	7th yr
AP/P/2015/008638	22.01.2020	31.01.2021	6th yr
AP/P/2015/008655	24.01.2020	13.02.2021	6th yr
AP/P/2015/008727	06.02.2020	27.02.2021	6th yr
AP/P/2015/008775	24.01.2020	14.03.2021	6th yr
AP/P/2015/008801	06.02.2020	25.02.2021	6th yr
AP/P/2015/008803	06.02.2020	25.02.2021	6th yr
AP/P/2016/009337	02.01.2020	09.01.2021	5th yr
AP/P/2016/009369	21.01.2020	21.01.2021	5th yr
AP/P/2016/009371	24.01.2020	10.02.2021	5th yr
AP/P/2016/009375	24.01.2020	16.03.2021	5th yr
AP/P/2016/009386	31.01.2020	23.01.2021	5th yr
AP/P/2016/009389	24.01.2020	24.02.2021	5th yr
AP/P/2016/009414	31.01.2020	23.01.2021	5th yr
AP/P/2016/009455	22.01.2020	28.01.2021	5th yr
AP/P/2016/009457	11.02.2020	24.02.2021	5th yr
AP/P/2016/009459	24.01.2020	06.02.2021	5th yr
AP/P/2016/009510	31.01.2020	18.03.2021	5th yr
AP/P/2016/009535	03.02.2020	27.03.2021	5th yr
AP/P/2017/009739	24.01.2020	07.02.2021	3rd yr
AP/P/2017/009740	24.01.2020	07.02.2021	3rd yr
AP/P/2017/009767	03.02.2020	15.02.2021	3rd yr
AP/P/2017/009869	05.02.2020	12.04.2020	2nd yr
AP/P/2017/010019	31.01.2020	11.02.2021	5th yr
AP/P/2017/010088	15.01.2020	05.02.2021	4th yr
AP/P/2017/010089	15.01.2020	05.02.2021	4th yr
AP/P/2017/010093	04.02.2020	14.01.2021	4th yr
AP/P/2017/010111	24.01.2020	01.02.2021	4th yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2017/010116	24.01.2020	10.02.2021	4th yr
AP/P/2017/010117	24.01.2020	10.02.2021	4th yr
AP/P/2017/010118	24.01.2020	11.02.2021	4th yr
AP/P/2017/010119	24.01.2020	10.02.2021	4th yr
AP/P/2017/010120	24.01.2020	10.02.2021	4th yr
AP/P/2017/010121	07.02.2020	09.02.2021	4th yr
AP/P/2017/010122	24.01.2020	01.02.2021	4th yr
AP/P/2017/010123	24.01.2020	11.02.2021	4th yr
AP/P/2017/010125	24.01.2020	03.02.2021	4th yr
AP/P/2017/010130	24.01.2020	11.02.2021	4th yr
AP/P/2017/010141	24.01.2020	18.02.2021	4th yr
AP/P/2017/010142	24.01.2020	16.02.2021	4th yr
AP/P/2017/010143	24.01.2020	12.02.2021	4th yr
AP/P/2017/010144	24.01.2020	12.02.2021	4th yr
AP/P/2017/010146	23.01.2020	09.02.2021	4th yr
AP/P/2017/010150	03.02.2020	02.02.2021	4th yr
AP/P/2017/010153	31.01.2020	25.02.2021	4th yr
AP/P/2017/010158	21.01.2020	25.01.2021	4th yr
AP/P/2017/010167	20.01.2020	25.03.2021	4th yr
AP/P/2017/010168	23.01.2020	02.02.2021	4th yr
AP/P/2017/010172	23.01.2020	09.02.2021	4th yr
AP/P/2017/010175	31.01.2020	09.02.2021	4th yr
AP/P/2017/010177	23.01.2020	12.02.2021	4th yr
AP/P/2017/010180	24.01.2020	12.02.2021	4th yr
AP/P/2017/010196	24.01.2020	17.03.2021	4th yr
AP/P/2017/010197	20.01.2020	22.03.2021	4th yr
AP/P/2017/010201	06.02.2020	19.02.2021	4th yr
AP/P/2017/010227	31.01.2020	10.03.2021	5th yr
AP/P/2017/010331	17.01.2020	01.02.2021	4th yr
AP/P/2018/010459	21.01.2020	23.01.2021	2nd yr
AP/P/2018/010476	30.01.2020	29.01.2021	2nd yr
AP/P/2018/010506	15.01.2020	06.02.2021	2nd yr
AP/P/2018/010696	05.02.2020	02.11.2019	2nd yr
AP/P/2018/010763	08.01.2020	08.01.2021	4th yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2018/010770	03.02.2020	07.11.2020	3rd yr
AP/P/2018/010770	03.02.2020	07.11.2018	1st yr
AP/P/2018/010898	17.01.2020	27.01.2021	3rd yr
AP/P/2018/010910	10.01.2020	26.01.2021	3rd yr
AP/P/2018/010914	10.01.2020	11.01.2021	3rd yr
AP/P/2018/010925	23.01.2020	07.02.2021	3rd yr
AP/P/2018/010928	06.02.2020	07.02.2021	3rd yr
AP/P/2018/010942	24.01.2020	02.02.2021	3rd yr
AP/P/2018/010944	23.01.2020	06.02.2021	3rd yr
AP/P/2018/010945	24.01.2020	10.02.2021	3rd yr
AP/P/2018/010954	17.01.2020	06.03.2021	3rd yr
AP/P/2018/010963	23.01.2020	02.02.2021	3rd yr
AP/P/2018/010968	10.01.2020	14.02.2021	3rd yr
AP/P/2018/010969	23.01.2020	02.02.2021	3rd yr
AP/P/2018/010980	06.02.2020	24.02.2021	3rd yr
AP/P/2018/010981	28.01.2020	27.01.2021	3rd yr
AP/P/2018/010986	21.01.2020	07.02.2021	3rd yr
AP/P/2018/010988	15.01.2020	30.01.2021	3rd yr
AP/P/2018/010997	31.01.2020	02.05.2021	3rd yr
AP/P/2018/010998	31.01.2020	20.03.2021	3rd yr
AP/P/2018/011004	27.01.2020	26.01.2021	3rd yr
AP/P/2018/011026	31.01.2020	28.02.2021	3rd yr
AP/P/2018/011112	17.01.2020	10.03.2021	6th yr
AP/P/2019/011313	05.02.2020	11.02.2021	10th yr
AP/P/2019/011354	15.01.2020	13.07.2020	2nd yr
AP/P/2019/011379	15.01.2020	24.07.2020	2nd yr
AP/P/2019/011439	11.02.2020	13.07.2019	1st yr
AP/P/2019/011539	13.02.2020	14.02.2021	3rd yr
AP/P/2019/011542	23.01.2020	12.02.2021	4th yr
AP/P/2019/011543	23.01.2020	12.02.2021	4th yr
AP/P/2019/011544	23.01.2020	12.02.2021	4th yr
AP/P/2019/011647	04.02.2020	06.01.2021	5th yr
AP/P/2019/011696	10.01.2020	09.01.2021	2nd yr
AP/P/2019/011743	17.01.2020	27.02.2021	2nd yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2019/011747	31.01.2020	26.12.2019	1st yr
AP/P/2019/011747	31.01.2020	26.12.2020	2nd yr
AP/P/2019/011748	17.01.2020	19.01.2020	1st yr
AP/P/2019/011748	18.01.2020	19.01.2021	2nd yr
AP/P/2019/011750	31.01.2020	01.02.2021	2nd yr
AP/P/2019/011751	31.01.2020	01.02.2021	2nd yr
AP/P/2019/011753	30.01.2020	01.02.2021	2nd yr
AP/P/2019/011755	24.01.2020	02.02.2021	2nd yr
AP/P/2019/011757	06.02.2020	18.01.2021	2nd yr
AP/P/2019/011764	23.01.2020	02.02.2021	2nd yr
AP/P/2019/011766	17.01.2020	22.01.2021	2nd yr
AP/P/2019/011768	23.01.2020	05.02.2021	2nd yr
AP/P/2019/011769	23.01.2020	15.02.2021	2nd yr
AP/P/2019/011770	17.01.2020	06.02.2021	2nd yr
AP/P/2019/011785	11.02.2020	27.02.2021	2nd yr
AP/P/2019/011788	24.01.2020	22.02.2021	2nd yr
AP/P/2019/011791	10.01.2020	27.02.2021	2nd yr
AP/P/2019/011794	06.02.2020	27.02.2021	2nd yr
AP/P/2019/011795	10.01.2020	26.01.2021	3rd yr
AP/P/2019/011797	23.01.2020	26.01.2021	2nd yr
AP/P/2019/011800	21.01.2020	24.01.2021	2nd yr
AP/P/2019/011808	22.01.2020	22.01.2021	2nd yr
AP/P/2019/011809	01.02.2020	02.02.2021	2nd yr
AP/P/2019/011811	26.02.2020	02.02.2021	2nd yr
AP/P/2019/011812	31.01.2020	21.03.2021	3rd yr
AP/P/2019/011813	30.01.2020	31.01.2021	2nd yr
AP/P/2019/011822	31.01.2020	16.02.2021	2nd yr
AP/P/2019/011832	03.02.2020	12.02.2021	2nd yr
AP/P/2019/011837	13.02.2020	14.02.2021	2nd yr
AP/P/2019/011842	24.01.2020	15.02.2021	2nd yr
AP/P/2019/011846	24.01.2020	23.03.2021	2nd yr
AP/P/2019/011849	27.01.2020	24.02.2021	3rd yr
AP/P/2019/011850	06.02.2020	28.02.2021	2nd yr
AP/P/2019/011854	24.01.2020	19.03.2020	1st yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2019/011881	31.01.2020	01.02.2021	2nd yr
AP/P/2019/011883	06.02.2020	12.03.2021	2nd yr
AP/P/2019/011884	28.01.2020	02.03.2021	2nd yr
AP/P/2019/011914	22.01.2020	31.01.2021	2nd yr
AP/P/2019/011920	03.02.2020	16.03.2021	2nd yr
AP/P/2019/011961	08.01.2020	06.11.2021	1st yr
AP/P/2019/011999	03.02.2020	22.04.2019	1st yr
AP/P/2019/011999	03.02.2020	22.04.2020	2nd yr
AP/P/2019/012056	22.01.2020	30.05.2020	1st yr
AP/P/2019/012071	06.01.2020	15.06.2020	1st yr
AP/P/2019/012073	03.02.2020	10.05.2020	1st yr
AP/P/2019/012073	03.02.2020	10.05.2020	1st yr
AP/P/2019/012092	06.01.2020	26.07.2020	1st yr
AP/P/2019/012094	06.01.2020	29.06.2020	1st yr
AP/P/2019/012103	06.01.2020	31.05.2020	1st yr
AP/P/2019/012121	22.01.2020	20.06.2020	1st yr
AP/P/2019/012123	16.01.2020	12.06.2019	1st yr
AP/P/2019/012123	16.01.2020	12.06.2020	2nd yr
AP/P/2019/012133	15.01.2020	05.06.2020	1st yr
AP/P/2020/012137	30.01.2020	29.06.2020	1st yr
AP/P/2020/012138	21.01.2020	09.07.2020	1st yr
AP/P/2020/012138	21.01.2020	09.07.2021	2nd yr
AP/P/2020/012141	10.01.2020	07.06.2020	1st yr
AP/P/2020/012151	21.01.2020	09.07.2020	1st yr
AP/P/2020/012152	15.01.2020	18.07.2020	1st yr
AP/P/2020/012154	17.01.2020	29.06.2020	1st yr
AP/P/2020/012155	21.01.2020	22.06.2019	1st yr
AP/P/2020/012155	21.01.2020	22.06.2020	2nd yr
AP/P/2020/012156	17.01.2020	13.07.2020	1st yr
AP/P/2020/012158	21.01.2020	12.07.2020	1st yr
AP/P/2020/012159	17.01.2020	19.06.2020	1st yr
AP/P/2020/012160	23.01.2020	21.06.2020	1st yr
AP/P/2020/012161	21.01.2020	05.07.2020	1st yr
AP/P/2020/012161	21.01.2020	05.07.2021	2nd yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2020/012162	21.01.2020	27.02.2021	1st yr
AP/P/2020/012163	24.01.2020	11.07.2020	1st yr
AP/P/2020/012164	24.01.2020	06.07.2020	1st yr
AP/P/2020/012164	24.01.2020	06.07.2021	2nd yr
AP/P/2020/012165	21.01.2020	28.06.2020	1st yr
AP/P/2020/012165	21.01.2020	28.06.2021	2nd yr
AP/P/2020/012166	24.01.2020	25.07.2020	1st yr
AP/P/2020/012166	30.01.2020	25.07.2021	2nd yr
AP/P/2020/012167	24.01.2020	20.06.2020	1st yr
AP/P/2020/012169	24.01.2020	29.06.2020	1st yr
AP/P/2020/012170	31.01.2020	10.08.2020	2nd yr
AP/P/2020/012171	23.01.2020	12.07.2020	1st yr
AP/P/2020/012172	23.01.2020	02.08.2020	1st yr
AP/P/2020/012173	03.02.2020	25.07.2020	1st yr
AP/P/2020/012174	03.02.2020	25.07.2020	1st yr
AP/P/2020/012175	28.01.2020	02.08.2020	1st yr
AP/P/2020/012178	28.01.2020	18.07.2020	1st yr
AP/P/2020/012181	31.01.2020	11.07.2020	1st yr
AP/P/2020/012182	31.01.2020	12.10.2019	1st yr
AP/P/2020/012182	31.01.2020	12.10.2020	2nd yr
AP/P/2020/012183	31.01.2020	28.06.2020	1st yr
AP/P/2020/012184	31.01.2020	28.06.2020	1st yr
AP/P/2020/012187	03.02.2020	28.08.2020	1st yr
AP/P/2020/012190	31.01.2020	03.08.2020	1st yr
AP/P/2020/012191	31.01.2020	12.06.2020	1st yr
AP/P/2020/012201	26.02.2020	03.07.2020	1st yr
AP/P/2020/012201	26.02.2020	03.07.2021	2nd yr
AP/P/2020/012215	26.02.2020	10.09.2020	1st yr
AP/P/2020/012219	26.02.2020	14.08.2020	1st yr
AP/P/2020/012219	26.02.2020	14.08.2021	2nd yr
AP/P/2020/012227	26.02.2020	16.08.2020	1st yr
AP/P/2020/012227	26.02.2020	16.08.2021	2nd yr
AP/P/2020/012231	26.02.2020	10.08.2020	1st yr
AP/P/2020/012231	26.02.2020	10.08.2021	2nd yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2020/012235	26.02.2020	23.07.2020	1st yr
AP/P/2020/012236	26.02.2020	22.08.2020	1st yr
AP/P/2020/012237	26.02.2020	28.07.2020	1st yr
AP/P/2020/012238	26.02.2020	27.07.2020	1st yr
AP/P/2020/012240	26.02.2020	27.07.2020	1st yr
AP/P/2020/012241	26.02.2020	28.07.2020	1st yr

Patents and Patent Applications Assigned

(21) AP/P/2016/009655
(23) 13.02.2020
(51) **G07C 9/00 (2006.01)**
G06K 9/20 (2006.01)
A61B 5/117 (2016.01)
(54) IDENTITY VERIFICATION
(71) TYME LIMITED
(72) KANE John Kininmonth
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2019/011545
(23) 19.02.2020
(51) **B65D 51/18 (2006.01)**
B65D 55/02 (2006.01)
B65D 41/34 (2006.01)
B65D 49/02 (2006.01)
B65D 55/06 (2006.01)
B65D 41/62 (2006.01)
(54) IMPROVEMENTS IN OR RELATING TO CLOSURES
(71) GCL International S.A.R.L.
(72) ANTONELLI Marco
(74) FISHER, CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2019/011977
(23) 10.01.2020
(51) **A23G 1/40 (2006.01)**
(54) A FOOD PRODUCT AND METHOD OF MANUFACTURE
(71) The Princeton Group Inc - C40917
(72) HANNA Anthony and TEW Samuel Beng
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2019/012131
(23) 19.02.2020
(51) **B01D 3/24 (2006.01)**
B01D 3/16 (2006.01)
B01D 3/20 (2006.01)
B01D 3/22 (2006.01)
B01D 1/00 (2006.01)
B01D 3/00 (2006.01)
(54) DISTRIBUTOR TRAY FOR A FRACTIONATING COLUMN, COMPRISING A COMPARTMENT FOR DISTRIBUTING GAS
(71) TOTAL SA
(72) MAUBERT Thomas, WEISS Claire, COURTIAL Xavier, et al
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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Patent Applications Pending Grant

(21) AP/P/2010/005140
(22) 13.07.2007
(23) 10.02.2020
(51) **G10D 13/08 (2006.01)**
(54) THE G-PAN MUSICAL INSTRUMENT
(74) HONEY & BLANCKENBERG
(84) GH, KE, TZ

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(21) AP/P/2013/006754
(22) 25.02.2013
(23) 07.02.2020
(51) **E04H 12/00 (2006.01)**
H02G 7/00 (2006.01)
(54) PYLON
(74) HONEY & BLANCKENBERG
(84) BW, GH, KE, LS, MW, MZ, NA, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2014/007478
(22) 27.07.2012
(23) 05.02.2020
(51) **A47B 57/10 (2006.01)**
A47B 57/00 (2006.01)
A47B 47/00 (2006.01)
A47B 96/00 (2006.01)
(54) IMPROVEMENTS IN LOCKERS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH, KE, MZ, SD, TZ, UG, ZM

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(21) AP/P/2014/007567
(22) 19.09.2012
(23) 11.02.2020
(51) **F03B 13/12 (2006.01)**
F01D 1/22 (2006.01)
F03B 13/22 (2006.01)
F03B 17/06 (2006.01)
F03B 3/12 (2006.01)
(54) SYSTEMS AND METHODS FOR IMPROVED WATER ROTORS
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2014/007661
(22) 23.11.2012
(23) 24.02.2020
(51) **E21B 17/01 (2006.01)**
(54) MULTIPLE FLEXIBLE SEAFLOOR-SURFACE LINKING APPARATUS COMPRISING AT LEAST TWO LEVELS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) MZ, TZ

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(21) AP/P/2014/008181
(22) 24.05.2012
(23) 07.02.2020
(51) **B06B 9/00 (2006.01)**
B06C 7/00 (2006.01)
(54) AN AIRLESS TYRE FOR VEHICLES
(74) GILL, GODLONTON & GERRANS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2015/008273
(22) 20.08.2013
(23) 04.02.2020
(51) **E04H 17/16 (2006.01)**
(54) MODULAR FENCING SYSTEM
(74) GILL, GODLONTON & GERRANS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2015/008293
(22) 27.05.2009
(23) 04.02.2020
(51) **F04D 7/04 (2006.01)**
F04D 29/24 (2006.01)
F04D 29/22 (2006.01)
(54) IMPROVEMENTS RELATING TO CENTRIFUGAL PUMP IMPELLERS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, MW, NA, SL, TZ, ZM, ZW

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(21) AP/P/2015/008596
(22) 14.01.2014
(23) 03.02.2020
(51) **F02B 63/04 (2006.01)**
(54) SCALABLE PORTABLE MODULAR POWER PLANT
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2015/008665
(22) 28.01.2014
(23) 06.02.2020
(51) **E02F 9/28 (2006.01)**
(54) AN EXCAVATOR WEAR ASSEMBLY
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2015/008714
(22) 06.03.2014
(23) 11.02.2020
(51) **A61K 38/50 (2006.01)**
(54) PHARMACEUTICAL COMPOSITION COMPRISING ALBUMIN-BINDING ARGININE DEIMINASE FOR CANCER TARGETING TREATMENT
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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Patent Applications Pending Grant (Contd.)

(21) AP/P/2015/008787
(22) 28.03.2014
(23) 05.02.2020
(51) **F04B 39/02 (2006.01)**
B60H 1/32 (2006.01)
(54) A METHOD OF OPERATING A VEHICLE AIR CONDITIONING SYSTEM
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) KE

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(21) AP/P/2015/008878
(22) 23.05.2014
(23) 11.02.2020
(51) **B23K 37/053 (2006.01)**
(54) INTERNAL LINE-UP CLAMPS FOR WELDING PIPES
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009027
(22) 01.03.2013
(23) 18.02.2020
(51) **A01C 1/00 (2006.01)**
B01J 19/12 (2006.01)
B01J 19/08 (2006.01)
A01H 3/02 (2006.01)
(54) METHODS AND SYSTEMS FOR DETOXIFYING PHORBOL ESTERS IN PLANT PRODUCTS
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009044
(22) 27.06.2014
(23) 07.02.2020
(51) **G06F 19/00 (2011.01)**
(54) SYSTEM AND METHOD FOR DIAGNOSING AND CONTROLLING INCINERATION FACILITY AND SOLID FUEL BOILER AND MANAGING LIFE CYCLE OF FACILITY THROUGH HEAT EXCHANGE AND DESIGN PROGRAM AND OPERATION MODE ANALYSIS OF OPERATOR
(74) ENSafrica Namibia
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009059
(22) 04.11.2014
(23) 03.02.2020
(51) **C02F 103/42 (2006.01)**
C02F 103/00 (2006.01)
C02F 103/02 (2006.01)
C02F 1/00 (2006.01)
C02F 1/72 (2006.01)
C02F 1/52 (2006.01)
C02F 1/44 (2006.01)
E04H 4/00 (2006.01)
C02F 9/00 (2006.01)
(54) FLOATING LAKE AND METHODS OF TREATING WATER WITHIN THE FLOATING LAKE
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009068
(22) 05.08.2014
(23) 04.02.2020
(51) **A01N 43/90 (2006.01)**
A01N 47/36 (2006.01)
A01N 47/38 (2006.01)
A01P 13/00 (2006.01)
A01N 43/40 (2006.01)
A01N 43/80 (2006.01)
(54) TERNARY HERBICIDE COMBINATIONS COMPRISING TWO SULFONLYUREAS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE, SD

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(21) AP/P/2016/009126
(22) 30.09.2014
(23) 04.02.2020
(51) **A61B 5/12 (2006.01)**
(54) AUDIOMETRY SYSTEM AND METHOD
(74) GILL, GODLONTON & GERRANS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009166
(22) 29.09.2014
(23) 13.02.2020
(51) **B03D 1/00 (2006.01)**
(54) COLLECTORS FOR MINERAL FLOTATION
(74) GALLOWAY & COMPANY
(84) NA, ZM

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(21) AP/P/2016/009168
(22) 29.09.2014
(23) 14.02.2020
(51) **B03D 1/001 (2006.01)**
(54) FROTHERS FOR MINERAL FLOTATION
(74) GALLOWAY & COMPANY
(84) NA, ZM

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(21) AP/P/2016/009177
(22) 30.09.2014
(23) 17.02.2020
(51) **B65D 90/22 (2006.01)**
E05B 83/02 (2014.01)
F16B 39/12 (2006.01)
E05B 35/06 (2006.01)
(54) A LOCKING MECHANISM
(74) ENSafrica Namibia
(84) BW, LS, NA, SZ, ZM, ZW

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(21) AP/P/2016/009289
(22) 19.11.2014
(23) 10.02.2020
(51) **B02C 23/04 (2006.01)**
B02C 2/04 (2006.01)
(54) SPLIT MAINFRAME INCLUDING TRAMP RELEASE CYLINDERS
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) GH, ZM

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(21) AP/P/2016/009306
(22) 18.12.2014
(23) 17.02.2020
(51) **H02J 7/16 (2006.01)**
F02D 29/06 (2006.01)
(54) ENGINE UNIT AND VEHICLE
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009310
(22) 18.12.2014
(23) 25.02.2020
(51) **F02N 11/04 (2006.01)**
F02D 45/00 (2006.01)
F02D 29/06 (2006.01)
F02D 29/02 (2006.01)
F02N 11/08 (2006.01)
(54) ENGINE UNIT AND VEHICLE
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009328
(22) 19.11.2014
(23) 11.02.2020
(51) **B02C 2/04 (2006.01)**
(54) SYSTEM AND METHOD FOR HYDRAULICALLY REMOVING A SOCKET FROM A MAINSHAFT OF A GYRATIONAL CRUSHER
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) GH, ZM

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Patent Applications Pending Grant (Contd.)

(21) AP/P/2016/009330
(22) 22.12.2014
(23) 17.02.2020
(51) **F42D 1/18 (2006.01)**
F16L 55/11 (2006.01)
E21B 33/12 (2006.01)
(54) IMPROVED O-RING DRILL HOLE PLUG
(74) HONEY & BLANCKENBERG
(84) GH, TZ, ZM

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(21) AP/P/2016/009379
(22) 13.02.2015
(23) 10.02.2020
(51) **F16L 11/08 (2006.01)**
F16L 11/16 (2006.01)
F16L 9/16 (2006.01)
(54) FLEXIBLE PIPE FOR TRANSPORTING A FLUID EQUIPPED WITH A LAZY-S-SHAPED INSERT AND ASSOCIATED METHOD FOR MANUFACTURE
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009420
(22) 09.03.2015
(23) 25.02.2020
(51) **F16L 1/26 (2006.01)**
F16L 1/235 (2006.01)
F16L 1/20 (2006.01)
(54) TRANSPORTATION AND INSTALLATION OF ELONGATE SUBSEA ELEMENTS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009437
(22) 25.02.2015
(23) 04.02.2020
(51) **C07D 403/14 (2006.01)**
C07D 471/04 (2006.01)
C07D 401/14 (2006.01)
(54) COMPOUNDS FOR TREATMENT OF COMPLEMENT MEDIATED DISORDERS
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2016/009537
(22) 27.05.2015
(23) 17.02.2020
(51) **B02C 2/04 (2006.01)**
(54) TWO OIL CHAMBER COUNTERWEIGHT
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) GH, ZM

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(21) AP/P/2017/009670
(22) 26.06.2015
(23) 12.02.2020
(51) **A61P 37/00 (2006.01)**
A61P 35/00 (2006.01)
A61K 31/519 (2006.01)
C07D 487/04 (2006.01)
(54) SUBSTITUTED CHROMENE DERIVATIVES AS SELECTIVE DUAL INHIBITORS OF PI3 DELTA AND GAMMA PROTEIN KINASES
(74) MESSRS. FISHER, CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/009671
(22) 29.06.2015
(23) 05.02.2020
(51) **G01M 3/16 (2006.01)**
(54) A SENSOR AND SYSTEM FOR MONITORING INTEGRITY OF A WATERPROOFING SYSTEM OR MEMBRANE
(74) MESSRS. FISHER, CORMACK & BOTHA
(84) BW, GH, KE, MZ, NA, TZ, ZM

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(21) AP/P/2017/009686
(22) 02.07.2015
(23) 10.02.2020
(51) **F24D 11/02 (2006.01)**
(54) SOLAR ENERGY SYSTEM
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/009688
(22) 10.09.2011
(23) 12.02.2020
(51) **A61K 36/28 (2006.01)**
(54) COMPOSITIONS AND METHODS FOR TREATING MULTI-DRUG RESISTANT MALARIA
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/009693
(22) 20.06.2013
(23) 17.02.2020
(51) **A61K 31/4439 (2006.01)**
A61P 25/28 (2006.01)
C07D 401/10 (2006.01)
(54) CAMSYLATE SALT
(74) HONEY & BLANCKENBERG
(84) BW, BW, GH, GH, KE, KE, NA, NA

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(21) AP/P/2017/009702
(22) 03.08.2015
(23) 12.02.2020
(51) **A61K 31/5377 (2006.01)**
A61P 35/00 (2006.01)
C07D 471/04 (2006.01)
(54) 2-(MORPHOLIN-4-YL)-L,7-NAPHTHYRIDINES
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE

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(21) AP/P/2017/009718
(22) 10.08.2015
(23) 12.02.2020
(51) **C07D 471/04 (2006.01)**
A61K 31/437 (2006.01)
A61P 35/00 (2006.01)
(54) 6-ALKYNYL-PYRIDINE DERIVATIVES AS SMAC MIMETICS
(74) Cronjé & Co.
(84) GH, KE

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(21) AP/P/2017/009748
(22) 07.08.2015
(23) 18.02.2020
(51) **C07D 519/00 (2006.01)**
A61K 31/506 (2006.01)
A61P 35/00 (2006.01)
A61P 37/00 (2006.01)
C07D 405/14 (2006.01)
C07D 403/14 (2006.01)
C07D 487/08 (2006.01)
C07D 401/14 (2006.01)
(54) AMINOPYRIMIDINYL COMPOUNDS AS JAK INHIBITORS
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/009762
(22) 31.07.2015
(23) 10.02.2020
(51) **C07K 19/00 (2006.01)**
C12N 15/63 (2006.01)
C12N 5/10 (2006.01)
C12N 1/21 (2006.01)
G01N 33/577 (2006.01)
A61P 37/04 (2006.01)
A61P 35/00 (2006.01)
A61K 39/395 (2006.01)
C12N 15/13 (2006.01)
C07K 16/28 (2006.01)
(54) ANTI-CTLA4 MONOCLONAL ANTIBODY OR ANTIGEN BINDING FRAGMENT THEREOF, MEDICINAL COMPOSITION AND USE
(74) HONEY & BLANCKENBERG
(84) BW, GH, KE, NA

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Patent Applications Pending Grant (Contd.)

(21) AP/P/2017/009791
(22) 06.10.2015
(23) 06.02.2020
(51) **H04L 9/32 (2006.01)**
G06Q 40/02 (2012.01)
(54) ENTITY IDENTIFIER GENERATION AND CONVERSION TO PRIMARY ACCOUNT NUMBER
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) KE, TZ

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(21) AP/P/2017/009792
(22) 01.09.2015
(23) 05.02.2020
(51) **F42D 1/055 (2006.01)**
(54) ELECTRONIC DETONATOR LEAKAGE CURRENT RESTRICTION
(74) HONEY & BLANCKENBERG
(84) BW, GH, KE, LS, TZ, ZM, ZW

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(21) AP/P/2017/009800
(22) 22.09.2015
(23) 25.02.2020
(51) **A61P 29/02 (2006.01)**
A61P 37/08 (2006.01)
C07D 401/14 (2006.01)
A61K 31/454 (2006.01)
(54) METHYL-AND TRIFLUOROMETHYL-SUBSTITUTED PYRROLOPYRIDINE MODULATORS OF RORC2 AND METHODS OF USE THEREOF
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/009809
(22) 02.10.2015
(23) 26.02.2020
(51) **A61P 29/00 (2006.01)**
A61P 35/00 (2006.01)
A61P 3/00 (2006.01)
A61P 9/00 (2006.01)
A61P 25/00 (2006.01)
C07D 493/18 (2006.01)
A61K 31/4188 (2006.01)
C07D 471/18 (2006.01)
C07D 487/18 (2006.01)
(54) FUSED PENTACYCLIC IMIDAZOLE DERIVATIVES
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/009827
(22) 28.08.2015
(23) 27.02.2020
(51) **A61K 31/554 (2006.01)**
A61P 35/00 (2006.01)
C07D 513/08 (2006.01)
(54) COMPOUNDS THAT INHIBIT MCL-1 PROTEIN
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, NA

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(21) AP/P/2017/009832
(22) 23.09.2015
(23) 27.02.2020
(51) **C07D 209/52 (2006.01)**
(54) N-ALKYLARYL-5-OXYARYL-OCTAHYDRO-CYCLOPENTA[C] PYRROLE NEGATIVE ALLOSTERIC MODULATORS OF NR2B
(74) Cronjé & Co.
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/009877
(22) 30.10.2015
(23) 28.02.2020
(51) **A61P 13/00 (2006.01)**
A61P 9/00 (2006.01)
A61K 31/4196 (2006.01)
C07D 403/06 (2006.01)
(54) HYDROXYALKYL-SUBSTITUTED PHENYLTRIAZOLE DERIVATIVES AND USES THEREOF
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE

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(21) AP/P/2017/009888
(22) 29.10.2015
(23) 26.02.2020
(51) **G01N 33/72 (2006.01)**
G01N 33/569 (2006.01)
(54) MALARIA DETECTION
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/010116
(22) 10.02.2016
(23) 06.02.2020
(51) **H04N 21/854 (2011.01)**
H04N 21/44 (2011.01)
H04N 21/845 (2011.01)
H04N 21/266 (2011.01)
H04N 21/438 (2011.01)
H04N 21/2343 (2011.01)
H04N 21/262 (2011.01)
(54) LOW LATENCY VIDEO STREAMING
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/010156
(22) 01.03.2016
(23) 19.02.2020
(51) **C01B 3/48 (2006.01)**
C01B 3/50 (2006.01)
B01D 53/047 (2006.01)
(54) METHOD FOR TREATING OFF GAS
(74) HONEY & BLANCKENBERG
(84) MZ, TZ

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(21) AP/P/2017/010320
(22) 14.11.2017
(23) 10.02.2020
(51) **E05B 47/00 (2006.01)**
G07C 9/00 (2006.01)
G06Q 10/08 (2006.01)
G07C 11/00 (2006.01)
(54) ELECTRONIC LOCK DEVICE AND SYSTEM FOR SMART LOGISTICS
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/010367
(22) 08.06.2016
(23) 18.02.2020
(51) **A61F 9/007 (2006.01)**
A61F 2/14 (2006.01)
(54) KERATOPROSTHESIS AND USES THEREOF
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/P/2017/010412
(22) 13.05.2016
(23) 24.02.2020
(51) **H03L 5/00 (2006.01)**
H03B 5/12 (2006.01)
(54) LOW-NOISE OSCILLATOR AMPLITUDE REGULATOR
(74) FISHER CORMACK & BOTHA
(84) TZ, UG

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(21) AP/P/2018/011132
(22) 27.06.2014
(23) 12.02.2020
(51) **F03B 13/00 (2006.01)**
(54) FLOATING TURBINE
(74) HONEY & BLANCKENBERG
(84) GH, KE, LR, MZ, SD, SL, TZ

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Patents Granted

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4982

(21) Application No : AP/P/2015/008456

(22) Filing Date : 10.09.2013

(24) Date of Grant & (45) Publication : 01/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/722,097	02.11.2012
US	14/021,980	09.09.2013

(84) Designated States:
BW GH GM KE LR LS MW MZ NA RW SL SZ TZ UG ZM ZW

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(74) Representative
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(51) International Classification : H04L 5/00 (2006.01) H04W 72/04 (2009.01)

(54) Title
EPDCCH RESOURCE AND QUASI-CO-LOCATION MANAGEMENT IN LTE

(57) Abstract

An apparatus may receive a set of configurations for an EPDCCH that are tied (linked) to a set of configurations received for a PDSCH (they may be a subset of the set of PDSCH configurations). The apparatus may then receive and process the EPDCCH based on at least one configuration from the set of configurations for the EPDCCH In another aspect, the apparatus may determine at least a first and second resource set configured for a control channel (e.g. EPDCCH) and may determine a common set of aggregation levels for the first and second resource sets. The apparatus may further determine first rate-matching parameters for the first resource set and second rate- matching parameters for the second resource set, and may process the control channel using the common set of aggregation levels and the first and second rate-matching parameters. In another aspect, the apparatus determines whether a starting symbol of an enhanced physical downlink control channel (EPDCCH) is an initial symbol (i.e. its value is zero) in a subframe based on an EPDCCH configuration and refrains from decoding a subset of legacy control channels in the subframe when the starting symbol of the EPDCCH is the initial symbol in the subframe.



(56) Documents Cited : WO 2012/109542 A1 "Details of CRS rate matching

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4983

(21) Application No : AP/P/2015/008889

(22) Filing Date : 11.04.2014

(24) Date of Grant & (45) Publication : 01/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	13/895,117	15.05.2013

(84) Designated States:
BW GH GM KE LR MZ NA
RW SD SL SZ TZ UG ZM
ZW

(73) Applicant(s)
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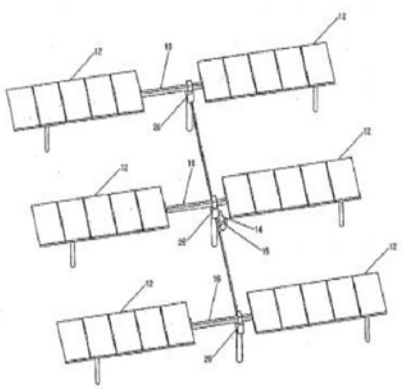
(74) Representative
FISHER CORMACK & BOTHA, Malawi

(51) International Classification : F24J 2/54 (2006.01) A47F 5/01 (2006.01)
F16L 19/02 (2006.01) A47B 45/00 (2006.01)

(54) Title
SINGLE AXIS SOLAR TRACKING SYSTEM

(57) Abstract

A solar tracking system with a plurality of tracking assemblies (12) moved by a single motor (14). A method and system that prevents overloading the motor or tripping a circuit breaker due to an obstructed or impeded tracker includes sensing movement (162) of the tracker assemblies (12) and entering into obstruction clearing modes. Obstruction clearing mode 1 (OCM1) (168) is a high frequency adjustable mode that prompts movement for an adjustable period of time. If movement commences, the system returns to a normal mode. If there is no movement, the system enters into an obstruction clearing mode 2 (OCM2) (176) with is an adjustable lower frequency series of attempts. If there is no movement, no further attempts are made. Each of these steps are monitored and controlled remotely. There are two types of secure connections for drivelines, torque tubes (16, 110, 220) or affixing driveline linkages (130) for high torque conditions.



(56) Documents Cited : US 2008/0308091 A1 US 2005/0035049 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4984

(21) Application No : AP/P/2015/008897

(22) Filing Date : 07.04.2015

(24) Date of Grant & (45) Publication : 01/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date

(84) Designated States:

BW	GH	GM	KE	LR	LS	MW
MZ	NA	RW	SD	SL	ST	SZ
TZ	UG	ZM	ZW			

(73) Applicant(s)
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(72) Inventors
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(74) Representative
FISHER CORMACK & BOTHA, Malawi

(51) International Classification : H05B 3/00 (2006.01)

(54) Title
A DC HEATER

(57) Abstract

A dc heater comprising: a discrete heating area made of a heat conductive material disposed on a surface that is electrically non-conductive; and at least one conductive trace configured to be connected to a de voltage source and to heat the discrete heating area to a uniform temperature when connected to the de voltage source, the at least one conductive trace disposed in an undulating configuration on the surface at least partially around the discrete heating area.

(56) Documents Cited : EP 0890651 JP 2003323219 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 4985

(21) **Application No :** AP/P/2016/009026

(22) **Filing Date :** 14.07.2014

(24) (45) **Date of Grant & Publication :** 01/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
EP	13176539.8	15.07.2013

(84) **Designated States:**

BW GH GM KE LR LS MW
MZ NA RW SD SL SZ TZ
UG ZM ZW

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et al

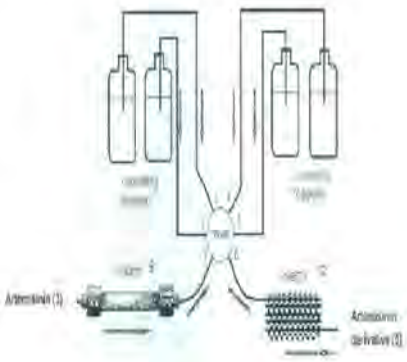
(74) **Representative**
FISHER CORMACK & BOTHA, Malawi

(51) **International Classification :** C07D 493/18 (2006.01)

(54) **Title**
SYNTHESIS OF DIHYDROARTEMISININ AND ARTEMISININ DERIVATIVES

(57) **Abstract**

The present invention is directed to a method for continuous production of dihydroartemisinin and also artemisinin derivatives derived from dihydroartemisinin by using artemisinin or dihydroartemisinic acid (DHAA) as starting material as well as to a continuous flow reactor for producing dihydroartemisinin as well as the artemisinin derivatives. It was found that the reduction of artemisinin to dihydroartemisinin in a continuous process requires a special kind of reactor and a special combination of reagents comprising a hydride reducing agent, at least one activator such as an inorganic activator, at least one solid base, at least one aprotic solvent and at least one C



(56) **Documents Cited :** WO 2013/038206 A1 WO 2008/087666 A WO 2013/030247 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 4986

(21) **Application No :** AP/P/2016/009359

(22) **Filing Date :** 05.02.2014

(24) (45) **Date of Grant & Publication :** 01/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date

(84) **Designated States:** BW GH NA

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(51) **International Classification :** A61K 31/506 (2006.01) A61P 9/00 (2006.01) A61P 3/06 (2006.01)

(54) **Title**

CHOLESTERYL ESTER TRANSFER PROTEIN (CETP) INHIBITOR AND PHARMACEUTICAL COMPOSITIONS COMPRISING SAID INHIBITOR FOR USE IN THE TREATMENT OR PREVENTION OF CARDIOVASCULAR DISEASES

(57) **Abstract**

The present invention relates to a cholesteryl ester transfer protein (CETP) inhibitor for use in the treatment of subjects suffering from or having an increased risk for cardiovascular diseases, in particular hyperlipidemia or mixed dyslipidemia. A further aspect of the present invention relates to a pharmaceutical composition for use in the treatment of subjects suffering from or having an increased risk for cardiovascular diseases, wherein the composition comprises a therapeutically effective amount of said CETP inhibitor.

(56) **Documents Cited :** WO 2005/095409 A2 NICHOLLS STEPHEN J et a l: WO 2005/095409 A2

Patents Granted (Contd.)

FORM 25 | **(12) PATENT** | **(19) AP**

(11) Patent No : AP 4987

(21) Application No : AP/P/2013/007293

(22) Filing Date : 31.08.2012

(24) Date of Grant & (45) Publication : 02/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
ZA	2011/06909	21.09.2011

(84) Designated States:
TZ MZ

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(51) International Classification :
B01J 23/75 (2006.01)
B01J 37/18 (2006.01)
B01J 37/02 (2006.01)
C10G 2/332 (2006.01)
B01J 37/08 (2006.01)
B01J 21/12 (2006.01)
B01J 37/14 (2006.01)

(54) Title
Process for preparing a cobalt-containing fischer tropsch catalyst

(57) Abstract

A process for preparing a cobalt-containing hydrocarbon synthesis catalyst includes calcining an initial catalyst precursor comprising a catalyst support supporting a cobalt compound, by heat treating the initial catalyst precursor under non-reducing conditions in order to decompose the cobalt compound and/or to cause the cobalt compound to react with oxygen, thereby to obtain a calcined initial catalyst precursor. A cobalt compound is introduced onto and/or into the calcined initial catalyst precursor so that the calcined initial catalyst precursor supports this cobalt compound thereby obtaining a subsequent catalyst precursor. The subsequent catalyst precursor is directly subjected to reduction conditions to activate the subsequent catalyst precursor, thereby to obtain a cobalt-containing hydrocarbon synthesis catalyst.

(56) Documents Cited :

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4988

(21) Application No : AP/P/2015/008383

(22) Filing Date : 28.10.2013

(24) Date of Grant & (45) Publication : 02/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	13/830,670	14.03.2013
US	61/720,297	30.10.2012

(84) Designated States: BW KE ZW

(73) Applicant(s)
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(72) Inventors
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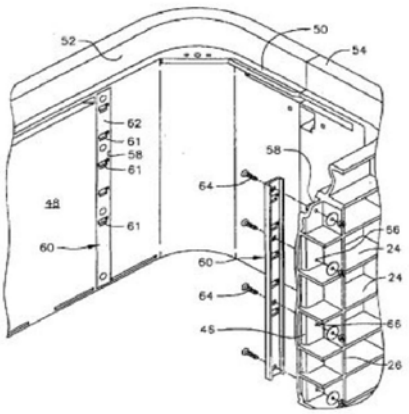
(74) Representative
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(51) International Classification : H02G 3/18 (2006.01) H02G 9/10 (2006.01)
G02B 6/44 (2006.01)

(54) Title
ENHANCED STRENGTH GRADE LEVEL UTILITIES ENCLOSURE

(57) Abstract

An enhanced strength grade level utility enclosure comprises a vertical wall structure having an upright inner wall panel (46) extending from an upper edge to a bottom edge of the structure. The inner wall panel (46) has an inside face spanning the enclosure's interior. One or more narrow, vertically extending slotted regions (58) are recessed in the inside face of the wall panel. Upright rigid support bars (60), optionally adapted for use as cable racks, are positioned in and rigidly affixed to separate slotted regions on the wall panel. The support bars (60) provide a continuous means of rigid vertical support from the upper edge down to the bottom edge of the enclosure's wall structure. The recessed support bars, in combination with the vertical wall structure, provide enhanced wall strength in excess of industrial vertical side wall and center load test standards.



(56) Documents Cited :
WO 2006/096839 A1
US 2011/262094 A1
US5791098 A
US20120104110 A1
US 2010/206019 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4989

(21) Application No : AP/P/2015/008457

(22) Filing Date : 09.09.2013

(24) Date of Grant & (45) Publication : 02/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/721,296	01.11.2012

(84) Designated States:
GH KE LR MW MZ NA SD SL ZW

(73) Applicant(s)
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(51) International Classification : B08B 3/04 (2006.01)

(54) Title
SUPERCRITICAL FLUID CLEANING OF BANKNOTES AND SECURE DOCUMENTS

(57) Abstract

A method and system for cleaning a secure instrument, such as a banknote, including a substrate, visual data and a security feature, including exposing the secure instrument to a supercritical fluid at a temperature and a pressure and for a duration sufficient to clean the substrate and not compromise the security feature and the visual data, wherein to clean the substrate includes to remove one or more substances from the substrate into the supercritical fluid. The substances removed from the substrate may include contaminants, dirt, sebum and pathogens.

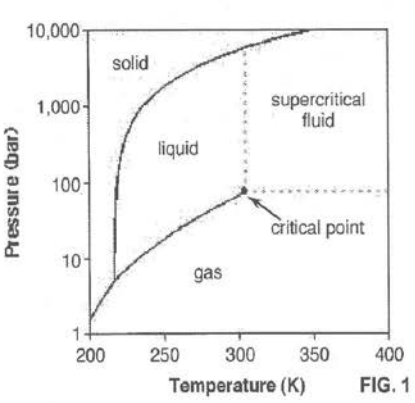


FIG. 1

(56) Documents Cited : US 5881577 A US 5626821 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4990

(21) Application No : AP/P/2015/008678

(22) Filing Date : 31.10.2013

(24) Date of Grant & (45) Publication : 02/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
IN	3168/MUM/2012	31.10.2012

(84) Designated States: BW GH NA

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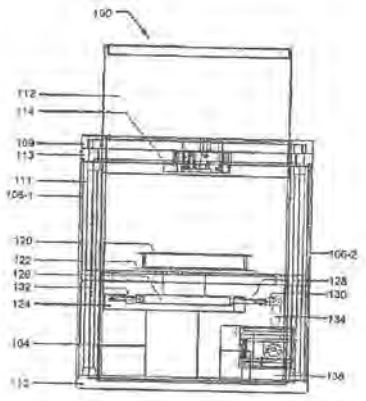
(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : G01N 21/87 (2006.01) B07C 5/30 (2006.01) G01N 21/84 (2006.01)

(54) Title
COUNTING GEMSTONES USING IMAGE PROCESSING

(57) Abstract

Method(s) and apparatus(s) of counting gemstones using image processing is described. A gemstone counting apparatus (100) includes a housing (102). The housing (102) includes a tray (120) for holding a plurality of gemstones. The housing (102) further includes a vibrating mechanism to vibrate the tray (120) after a pre-defined time period. The vibrating mechanism arranges the plurality of gemstones in one level. Further, the housing (102) includes a middle plate (113) to hold a camera (114). The camera (114) is positioned directly above the tray (120) to capture images of the tray (120) each time the tray (120) is vibrated by the vibrating mechanism. The images are processed by a processing unit to count number of gemstones in the tray (120).



(56) Documents Cited : US 5956413 WO 2006/054154

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4991

(21) Application No : AP/P/2015/008434

(22) Filing Date : 25.10.2013

(24) Date of Grant & (45) Publication : 05/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/719,725	29.10.2012
US	13/786,876	06.03.2013

(84) Designated States:
BW GH GM KE LR LS MW
MZ NA RW SD SL SZ TZ
UG ZM ZW

(73) Applicant(s)
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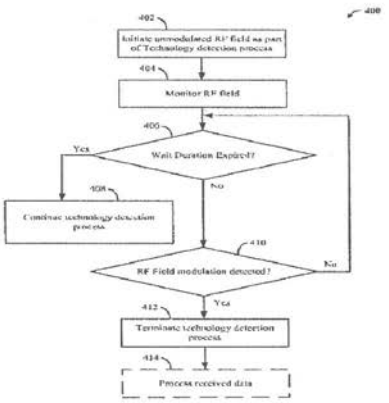
(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : H04B 5/02 (2006.01) G06K 7/10 (2006.01)

(54) Title
METHODS AND APPARATUS FOR DISCOVERING TAG TALKS FIRST DEVICES

(57) Abstract

A method, an apparatus, and a computer program product for wireless communication are provided in connection with enabling a NFC-enabled device to discover and/or communicate with a TTF device. In one example, a NFC enabled device is equipped to initiate a RF field that is not modulated by the NFC-enabled device as part of a technology detection process (402), monitor the RF field (404) for at least a portion of a wait duration (406), determine whether, during the wait duration, the RF field is modulated (410) in a manner consistent with modulation characteristics of a NFC technology, and terminate the technology detection process (412) upon the determination that the RF field is modulated a manner consistent with modulation characteristics of the NFC technology.



(56) Documents Cited : WO 2011/128216 A1 EP 2226950 A2 Reader Talks First' vs. 'Tag Tal

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4992

(21) Application No : AP/P/2016/008996

(22) Filing Date : 25.07.2014

(24) Date of Grant & (45) Publication : 05/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
ZA	2013/05763	31.07.2013

(84) Designated States: KE

(73) Applicant(s)
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(72) Inventors
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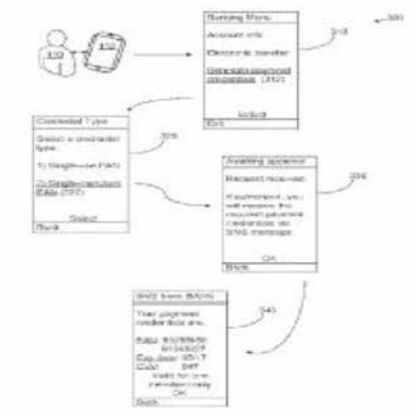
(74) Representative
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(51) International Classification : G06Q 20/40 (2012.01) G06Q 40/02 (2012.01) G06Q 20/12 (2012.01)

(54) Title
ENABLING PAYMENTS TO BE PROCESSED BY ONLY ONE MERCHANT

(57) Abstract

Systems and methods for enabling payments to be processed against an account identifier by only one merchant are provided. In a method, a remotely accessible server obtains an account identifier and stores the account identifier in a database in response to a consumer electing to generate an account identifier. The server receives a request originating from an acquiring entity to process a payment against the account identifier and a merchant identifier of a merchant in favor of which the payment is to be processed. The server looks up the account identifier and stores the merchant identifier in the database in association with the account identifier, linking the account identifier to the merchant. Upon subsequent payment requests against the account identifier in favor of a merchant, the server receives a merchant identifier and, if the merchant identifier matches the merchant identifier associated with the account identifier, the server allows the payment.



(56) Documents Cited : US 7996288 US 2011295743 US 2013073464

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4993

(21) Application No : AP/P/2013/007329

(22) Filing Date : 20.07.2012

(24) Date of Grant & (45) Publication : 06/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
AU	2011902894	20.07.2011

(84) Designated States:
GH TZ KE SL NA ZM BW ZW

(73) Applicant(s)
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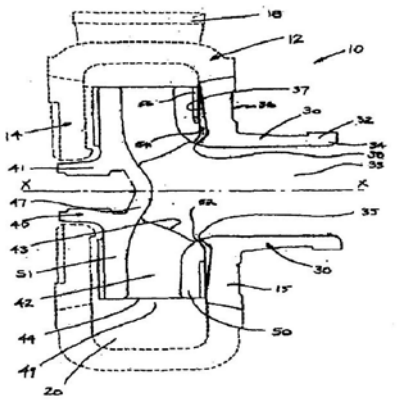
(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : F04D 7/04 (2006.01) F04D 29/42 (2006.01) F04D 29/22 (2006.01)

(54) Title
Improvements to pumps and components therefor

(57) Abstract

A pump side part for use with a shrouded pump impeller, comprising a side wall section rear face including an outer region with an outer edge in a plane which is substantially at right angles to the rotation axis, an inner region with an inner edge and an intermediate region between the outer and inner regions which is inclined inwardly from the said plane in a direction towards the inlet section, the inner region extending from the intermediate region in a direction away from the front face of the side wall section, whereto the outer face of the impeller front shroud and the side part rear face are arranged to be facing one another with a gap therebetween, the rear face being configured so that the cross-sectional dimension of the gap increases in a direction toward the impeller rotation axis in the intermediate region.



(56) Documents Cited :
US 4 913 619 A
US 5 427 498 A
GB 1 250 062 A
US 4 613 281 A
US 4 913 619 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4994

(21) Application No : AP/P/2015/008195

(22) Filing Date : 19.06.2013

(24) Date of Grant & (45) Publication : 06/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
ZM	12/2012	19.06.2012
GB	1301917.9	02.04.2013

(84) Designated States:
BW GH GM KE MW MZ NA
RW TZ UG ZM ZW

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(51) International Classification : F16J 15/32 (2006.01) F04B 47/02 (2006.01) F04B 9/14 (2006.01)

(54) Title
Pump

(57) Abstract

Pump A handoperated water pump comprising a pump body, a piston, a handle at the upper end of the piston, a valve system connected to the pump body and comprising an inlet and an outlet, wherein the lower end of the piston is provided with a plate and an adjustable tensioner, to tension a piston seal located between the plate and the adjustable tensioner and wherein the adjustable tensioner comprises a spring.

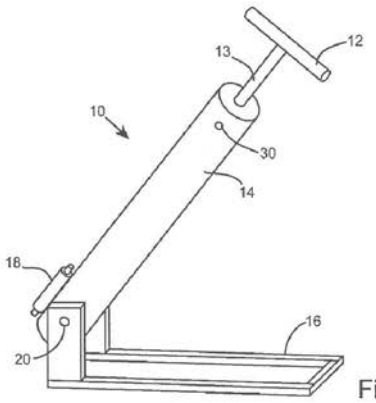


Fig. 1

(56) Documents Cited : US 2008/0039300 A1 GB 1257139 A http://spakatak.com/diy/baitpı US 2004/0166005 A1 GB 282440 A US 2010/0183464 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4995

(21) Application No : AP/P/2016/009279

(22) Filing Date : 18.11.2014

(24) Date of Grant & (45) Publication : 06/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/905,941	19.11.2013

(84) Designated States:
GH NA ZM ZW

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HURWITZ Michael David, United States of America
et al

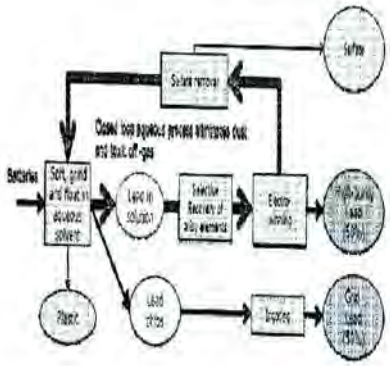
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(51) International Classification : H01M 10/54 (2006.01) H01M 10/06 (2006.01) H01M 4/14 (2006.01) C25C 1/18 (2006.01)

(54) Title
DEVICES AND METHODS FOR SMELTERLESS RECYCLING OF LEAD ACID BATTERIES

(57) Abstract

Lead from lead acid battery scrap is recovered in two separate production streams as clean grid lead and as high-purity lead without smelting. In preferred aspects, lead recovery is performed in a continuous process that uses an aqueous electroprocessing solvent and electro-refining, and spent electroprocessing solvent can be recycled to the recovery process.



(56) Documents Cited : NGUYEN, THI PHUONG THOA; US 3772003 A; WO 2013/0152260 A1; US 2004-0140222 A; US 2008/00128293 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4996

(21) Application No : AP/P/2016/009423

(22) Filing Date : 09.04.2015

(24) Date of Grant & (45) Publication : 06/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
DE	20 2014 003 059.6	10.04.2014

(84) Designated States: BW KE NA

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(74) Representative
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(51) International Classification :
E03F 1/00 (2006.01)
B63B 29/14 (2006.01)
B64D 11/02 (2006.01)
B61D 35/00 (2006.01)
B60R 15/04 (2006.01)

(54) Title
PNEUMATIC COMPACT VACUUM TOILET

(57) Abstract

The invention relates to a pneumatic compact vacuum toilet comprising a toilet bowl with an outlet channel which opens into an intermediate tank, wherein the intermediate tank has a wastewater channel through which wastewater can be discharged gravitationally from the intermediate tank, and wherein the outlet channel has an outlet valve which is arranged and designed to close the outlet channel in a first outlet valve position and to open it in a second outlet valve position, and the wastewater channel has a wastewater valve which is arranged and designed to open the wastewater channel in a first wastewater valve position and to close it in a second wastewater valve position, and wherein the outlet valve and the wastewater valve are designed as pneumatic shut-off valves.

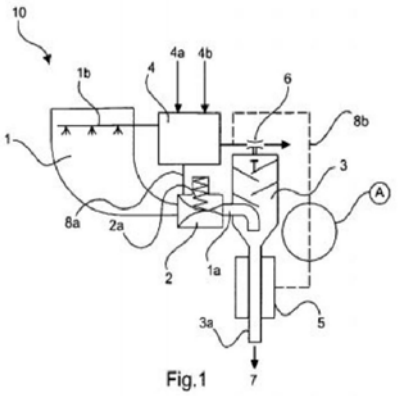


Fig.1

(56) Documents Cited :
EP 1 840 282 A2
US 2014/0013498 A1
US 2004/0010843 A1
US 2012/0144573 A1
EP 1 013 838 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4997

(21) Application No : AP/P/2015/008410

(22) Filing Date : 25.10.2013

(24) Date of Grant & (45) Publication : 14/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/719,873	29.10.2012
US	61/729,917	26.11.2012
US	13/801,118	13.03.2013

(84) Designated States:
BW GH GM KE LR LS MW MZ NA RW SL SZ TZ UG ZM ZW

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(51) International Classification : H04N 21/422 (2011.01) H04N 21/436 (2011.01) H04N 21/4363 (2011.01) H04L 29/08 (2006.01)

(54) Title
ESTABLISHING A WIRELESS DISPLAY SESSION BETWEEN A COMPUTING DEVICE AND A VEHICLE HEAD UNIT

(57) Abstract

This disclosure describes a method of transmitting media data from a source device, the method comprising establishing, with the source device, a first communication session between the source device and a sink device comprising a vehicle head unit, wherein the first communication session conforms to a communication protocol. The method also comprises discovering, with the source device and by the first communication session, the sink device. The method further comprises, during operation of the first communication session, establishing with the source device a second communication session between the source device and the sink device, wherein the second communication session conforms to a wireless display protocol. The method also comprises transmitting, using the second communication session, media data from the source device to the sink device for output to an interface of the sink device.

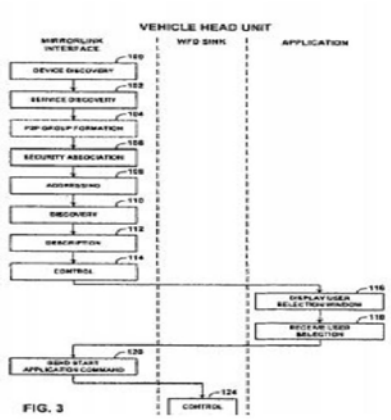


FIG. 3

(56) Documents Cited : Terminal Mode", (Raja Bose et Morphing Smartphones into Au

Patents Granted (Contd.)

FORM 25 | **(12) PATENT** | **(19) AP**

(11) Patent No : AP 4998

(21) Application No : AP/P/2016/009501

(22) Filing Date : 27.03.2015

(24) Date of Grant & (45) Publication : 14/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
FR	14 00765	28.03.2014

(84) Designated States:

BW GH GM KE LR LS MW
MZ NA RW SD SL ST SZ
TZ UG ZM ZW

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FISHER CORMACK & BOTHA, Malawi

(51) International Classification : A23J 3/34 (2006.01); A23J 3/16 (2006.01); A23J 3/14 (2006.01); A23C 20/00 (2006.01)

(54) Title

FOODSTUFF COMPRISING PROTEINS ESSENTIALY OF VEGETABLE ORIGIN AND PROCESS FOR PREPARING SAME

(57) Abstract

The invention relates to a foodstuff comprising proteins essentially of vegetable origin capable of being obtained by a process comprising the steps consisting in: (iv) selecting a natural source of vegetable proteins comprising nutrients: (v) extracting a vegetable juice from the natural source of vegetable proteins, said vegetable juice comprising almost all or all of the nutrients contained in the natural source of vegetable proteins; and (vi) treating said vegetable juice from step (ii) with transglutaminase, characterized in that when the natural source of vegetable proteins consists exclusively of soya, said foodstuff also comprises a food ingredient of non-animal origin.

(56) Documents Cited :

US2012231119 A1
EP1911355 A1
US5055310 A
US2002009528 A1
US2004241284 A1
US2010311950 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 4999

(21) Application No : AP/P/2015/008655

(22) Filing Date : 13.02.2014

(24) (45) Date of Grant & Publication : 15/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/765,209	15.02.2013

(84) Designated States:

BW GH GM KE LR LS MW
MZ NA RW SD SL SZ TZ
UG ZM ZW

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(74) Representative
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(51) International Classification : A01C 7/00 (2006.01)

(54) Title

ROTATABLE APPARATUS FOR METERING AND TREATING AGRICULTURAL GRANULES

(57) Abstract

An agricultural apparatus for metering and treating granules such as seeds and granular crop additives. The apparatus comprises a metering device rotatably mounted on a spray chamber, the spray chamber connected to a conveyance device intake such as an auger. The metering device is rotatable between first (use) and second (transport) positions.

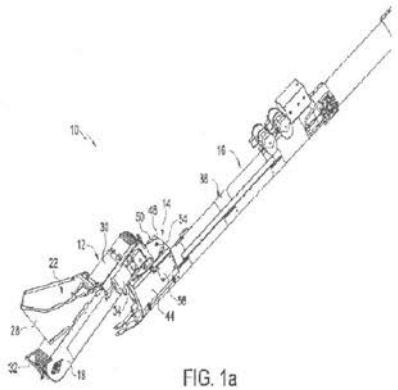


FIG. 1a

(56) Documents Cited : US 4895106 US 2005/0238469 GB 2258831
US 2012/0145517

Patents Granted (Contd.)

FORM 25 | **(12) PATENT** | **(19) AP**

(11) **Patent No :** AP 5000

(21) **Application No :** AP/P/2016/009111

(22) **Filing Date :** 24.06.2015

(24) (45) **Date of Grant & Publication :** 15/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
IN	2128/MUM/2014	01.07.2014

(84) **Designated States:**
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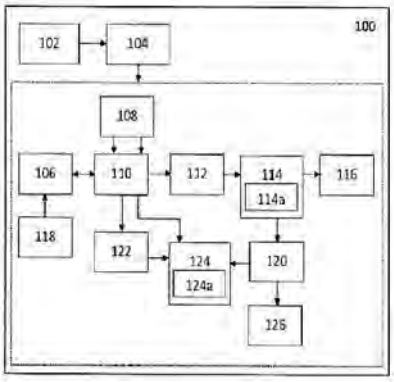
(74) **Representative**
B MATANGA IP ATTORNEYS, Zimbabwe

(51) **International Classification :** G06F 17/21 (2006.01) G06F 17/30 (2006.01)

(54) **Title**
A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR COLLATING AND PRESENTING MULTI-FORMAT INFORMATION

(57) **Abstract**

A computer implemented system for collating and presenting multi-format information in a user- desired format is envisaged. The system stores information related to clients along with additional their personal information in a transient repository. These stored items of information are usually in different formats which are then converted by the system into a format desired by the user of the system or into a pre-defined format. An input module present in the system accepts form a user, a desired output information format type and a client identifier corresponding to the client whose information needs to be collated. Based on the client identifier, the system converts the stored client related information in the desired format and then collates and displays the converted information for further processing.



(56) **Documents Cited :** US 2008/0155422 US 6411974 US 2002/0194227

Patents Granted (Contd.)

FORM 25 | **(12) PATENT** | **(19) AP**

(11) Patent No : AP 5001

(21) Application No : AP/P/2017/009696

(22) Filing Date : 18.06.2015

(24) Date of Grant & (45) Publication : 15/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
ZA	2014/04452	18.06.2014

(84) Designated States:
GH MW MZ NA TZ ZM ZW

(73) Applicant(s)
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KOTZE Marthie, South Africa

(74) Representative
HONEY & BLANCKENBERG, Zimbabwe

(51) International Classification : C22B 3/22 (2006.01); C22B 3/06 (2006.01); C22B 15/00 (2006.01); C22B 3/44 (2006.01); C22B 11/08 (2006.01)

(54) Title

A METHOD OF RECOVERING BASE METALS FROM LOW GRADE ORES AND RESIDUES

(57) Abstract

A method of recovering a metal from a low-grade ore which is subjected to cyanide leaching to produce a PLS which contains a metal cyanide which is removed from the PLS by ultrafiltration and nano-filtration, and then acidified and sulphidised to produce a metal sulphide from which the metal is extracted, and hydrogen cyanide which is recycled to the cyanide leaching step.

(56) Documents Cited : Stewart M,et al US5961833 A WO0162993 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5002

(21) Application No : AP/P/2017/009745

(22) Filing Date : 14.08.2015

(24) Date of Grant & (45) Publication : 15/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/037,714	15.08.2014

(84) Designated States:

BW GH GM KE LR LS MW
MZ NA RW SD SL ST SZ
TZ UG ZM ZW

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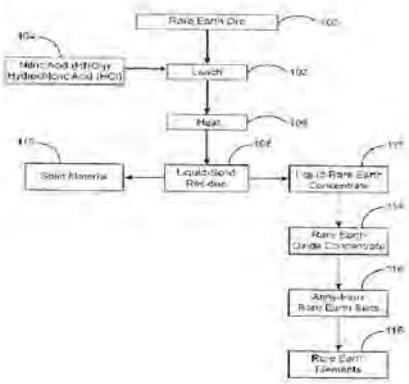
(74) Representative
GALLOWAY & COMPANY, Zimbabwe

(51) International Classification : C01F 17/00 (2006.01)

(54) Title
METHOD FOR EXTRACTION AND SEPARATION OF RARE EARTH ELEMENTS

(57) Abstract

A method for extracting and separating rare earth elements comprising providing a rare earth-containing ore or tailings, grinding the rare earth-containing ore to form powdered ore; leaching powered ore with at least one mineral acid, forming a leach solution comprising at least one metal ion, rare earth elements and a solid material, separating solid material from the leach solution to form aqueous-metal concentrate, precipitating the aqueous-metal concentrate to selectively remove the metal ion from the leach solution and obtain a precipitate of rare earth elements; heating the precipitate of rare earth elements in air to form oxide of rare earth elements, mixing the oxide of rare earth elements with an ammonium salt and heating in a dry air/nitrogen, forming a mixture of anhydrous rare earth salts in an aqueous solution, and separating rare earth elements from the aqueous solution by means of an electrowinning process.



(56) Documents Cited :

WO2014066668 A1
US2004042945 A1
WO2012149642 A1
US2007039420 A1
JP2013185187 A
US5332558 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5003

(21) Application No : AP/P/2017/009747

(22) Filing Date : 28.07.2015

(24) Date of Grant & (45) Publication : 15/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
EP	14386023.7	22.09.2014

(84) Designated States:

BW GH GM KE LR LS MW
MZ NA RW SD SL ST SZ
TZ ZM ZW

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(74) Representative

GALLOWAY & COMPANY, Zimbabwe

(51) International Classification : A61K 31/295 (2006.01) A61K 31/7004 (2006.01)

(54) Title

IRON (III) HYDROXIDE COMPLEXES WITH ACTIVATED GLUCOSE SYRUPS AND PROCESS FOR PREPARING SAME

(57) Abstract

The present invention generally relates to iron (III) carbohydrate complexes and to processes for the manufacture thereof. The product obtainable according to the method of the present invention may be safely used to the general population or animals in the therapy of iron deficiency. The process of the invention includes the steps of (i) providing an aqueous solution of glucose syrup having a certain dextrose equivalent (DE), (ii) adding one or more oxidizing bleaching agents, thereby obtaining the activated glucose syrup; (iii) converting said activated glucose syrup into a complex with iron (III) hydroxide; and (iv) obtaining a complex of iron (III) hydroxide and activated glucose syrup.

(56) Documents Cited : US2008207558 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 5004

(21) **Application No :** AP/P/2017/009755

(22) **Filing Date :** 23.10.2014

(24) (45) **Date of Grant & Publication :** 15/02/2020

(30) **Priority Data**
(33) Country (31) Number (32) Date

(84) **Designated States:**
BW GM GH KE LS LR MW
MZ NA RW ST SL SD SZ
TZ ZM ZW

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JASTI Venkateswarlu, India

(74) Representative
Cronjé & Co., Namibia

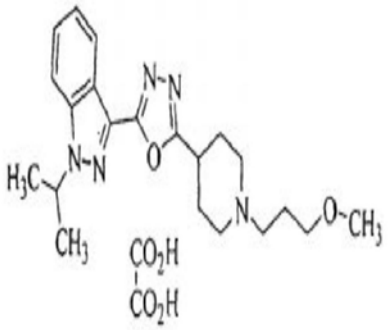
(51) **International Classification :** C07D 413/04 (2006.01) C07C 55/06 (2006.01)
C07D 413/14 (2006.01)

(54) **Title**

PROCESS FOR LARGE SCALE PRODUCTION OF 1-ISOPROPYL-3-{5- [1-(3-METHOXYPROPYL) PIPERIDIN-4-YL]-[1,3,4]OXADIAZOL-2-YL}- 1H INDAZOLE OXALATE

(57) **Abstract**

The present invention relates to a process suitable for adoption to large scale manufacture of l-IsopropyI-3-{5-[l1-(3-methoxypropyl) piperidin-4-yl]-[1,3,4] oxadiazol-2-yl}- 1H-indazole oxalate of formula (I), which is a selective 5-HT



(56) **Documents Cited :** WO2013042135 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 5005

(21) **Application No :** AP/P/2015/008639

(22) **Filing Date :** 11.02.2014

(24) (45) **Date of Grant & Publication :** 17/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
FR	13 51191	12.02.2013

(84) **Designated States:**
BW GH GM KE LR LS MW
MZ NA RW SD SL SZ TZ
UG ZM ZW

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et al

(74) **Representative**
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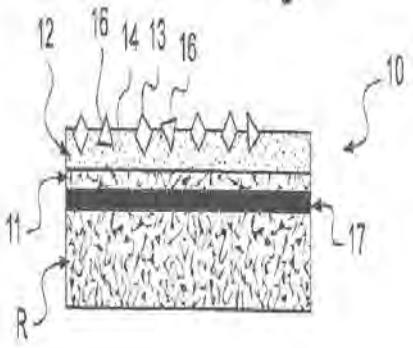
(51) **International Classification :** H01L 31/0236(2006.01) H01L 31/042 (2014.01)

(54) **Title**
PHOTOVOLTAIC STRUCTURE FOR A ROADWAY

(57) **Abstract**

The invention relates to a photovoltaic structure (10), especially for a roadway suitable for the circulation of pedestrians and vehicles, comprising: at least one photovoltaic cell; and a non-opaque coating covering at least the front face of said photovoltaic cell and having an outer surface which is macrotextured and microtextured irregularly, with a mean texture depth MTD, measured according to the norm NF EN 13036-1, of between 0.2 mm and 3 mm, and a polishing resistance value PRV, according to the norm NF EN 13043, of at least PRV44, preferably PRV50, especially preferably PRV53.

Fig.1



(56) **Documents Cited :** US 2005/0199282 A1 JP H0918041 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5006

(21) Application No : AP/P/2017/009801

(22) Filing Date : 22.10.2015

(24) Date of Grant & (45) Publication : 17/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
EP	14386034.4	19.12.2014

(84) Designated States:

BW GH GM KE LR LS MW
MZ NA RW SD SL ST SZ
TZ ZM ZW

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(72) Inventors
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(74) Representative
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(51) International Classification : C07K 14/47 (2006.01)

(54) Title

A PROCESS FOR PRODUCING IRON (III) CASEIN N-ACETYL-ASPARTYLATED COMPLEXES AND USE THEREOF IN PHARMACEUTICAL COMPOSITIONS

(57) Abstract

The present invention generally relates to new process for the preparation of iron (III) casein N-acetyl-aspartylated complexes. The product obtainable according to the method of the present invention may be safely used to the general population or animals in the therapy of iron deficiency. The process of the invention includes the steps of: (a) reaction of casein with N-acetyl-L-aspartyl chloride, to form N-acetyl-L- aspartylated casein, (b) subsequent reaction of the N-acetyl-L-aspartylated casein with ferric chloride; and (c) obtaining the iron (III) complex with N-acetyl-L-aspartylated casein.

(56) Documents Cited : WO2006021843 A1 EP0243322 A2 Lazzari Flavio et al
Buron ET AL" 4. On the racem

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5007

(21) Application No : AP/P/2015/008458

(22) Filing Date : 29.10.2013

(24) Date of Grant & (45) Publication : 20/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/722,103	02.11.2012
US	13/965,047	12.08.2013

(84) Designated States:
BW GH GM KE LR LS MW MZ NA RW SL SZ TZ UG ZM ZW

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XU Hao, United States of America
et al

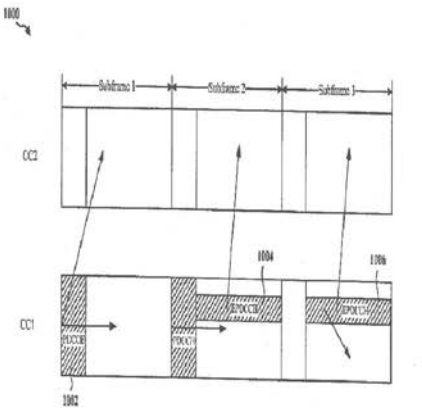
(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : H04L 5/00 (2006.01)

(54) Title
MANAGING CROSS-CARRIER SCHEDULING IN CARRIER AGGREGATION WITH EPDCCH IN LTE

(57) Abstract

A method, an apparatus, and a computer program product for wireless communication are provided for cross-carrier scheduling when both PDCCH and EPDCCH are employed in a network that supports carrier aggregation. The apparatus receives a first component carrier and a second component carrier, where the first component carrier includes a first control channel, a second control channel, and carrier indication information. The first control channel corresponds to the first component carrier. The second control channel and the carrier indication information correspond to the second component carrier. The second control channel is one of at least a first type (e.g., PDCCH) or second type (e.g., EPDCCH) of control channel and the carrier indication information identifies the second component carrier for both the first and second types of control channels. The apparatus then processes the first and second control channels.



(56) Documents Cited : "Search space design for E-PD "4G LTE/LTE-Advanced for Mo "DL Control channel enhancem

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5008

(21) Application No : AP/P/2015/008823

(22) Filing Date : 22.04.2014

(24) Date of Grant & (45) Publication : 21/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/815,549	24.04.2013

(84) Designated States: KE

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VERMEULEN Pieter, Belgium
KEUSTERMANS Eric, Belgium

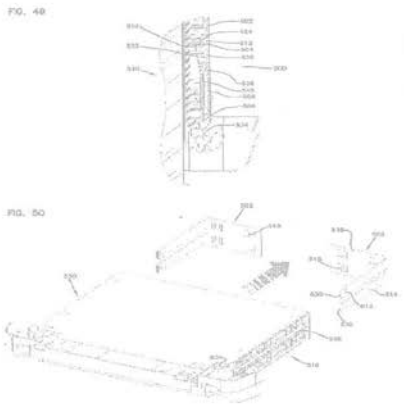
(74) Representative
FISHER CORMACK & BOTHA, Malawi

(51) International Classification : G02B 6/44 (2006.01)

(54) Title
UNIVERSAL MOUNTING MECHANISM FOR MOUNTING A TELECOMMUNICATIONS CHASSIS TO A TELECOMMUNICATIONS FIXTURE

(57) Abstract

A universal mounting mechanism for mounting a telecommunications chassis to a telecommunications fixture includes a mounting bracket defining a rear portion for mounting to the fixture and a front portion for slidably receiving the chassis, the front portion including a latch opening. A locking spring is configured for mounting to the chassis, the spring configured to flex laterally to snap in to the latch opening. A release handle is configured to be slidably mounted to the chassis, the release handle defining a deflection tab for moving the locking spring out of the latch opening when the handle is slid rearward to forward. A cover is configured to be mounted to the chassis, the cover defining a deflection ramp for interacting with the deflection tab of the handle to move the deflection tab laterally to contact the spring when the release handle is slid.



(56) Documents Cited : US 2004/0227443 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5009

(21) Application No : AP/P/2016/009035

(22) Filing Date : 11.08.2014

(24) Date of Grant & (45) Publication : 21/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
JP	2013-169317	19.08.2013

(84) Designated States:

BW GH GM KE LR LS MW
MZ NA RW SD SL SZ TZ
UG ZM ZW

(73) Applicant(s)

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et al

(74) Representative

ADAMS AND ADAMS MOZAMBIQUE, Mozambique

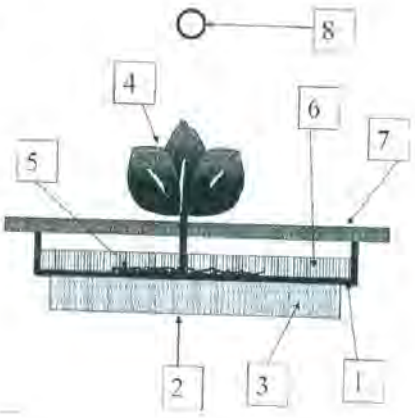
(51) International Classification : A01G 31/00 (2006.01)

(54) Title

PLANT CULTIVATION SYSTEM AND PLANT CULTIVATION METHOD

(57) Abstract

[Problem] To solve a problem that, when the bottom surface of a polyvinyl alcohol (PVA)-based film is brought into contact with a nourishing solution and a plant is cultivated on the film over a long period of time, the plant's roots penetrate through the film.
[Solution] A system for plant cultivation and a plant cultivation method, characterized in that the PVA-based film has an equilibrium swelling degree in water (at 30



(56) Documents Cited :

JP 4142725 B1
JP 2005-102508 A
JP 2012-170396 A
JP 4142725 B1
JP 2011-194694 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 5010

(21) **Application No :** AP/P/2016/009116

(22) **Filing Date :** 02.10.2014

(24) (45) **Date of Grant & Publication :** 26/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
US	61/885,754	02.10.2013

(84) **Designated States:** KE TZ UG

(73) **Applicant(s)**
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(72) **Inventors**
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CLARK Jason, United States of America
DECHANT Peter, United States of America

(74) **Representative**
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(51) **International Classification :** A01N 25/00 (2006.01) A01N 43/00 (2006.01) A01P 7/04 (2006.01)

(54) **Title**
OCTANOIC, NONANOIC AND DECANOIC FATTY ACIDS WITH A PYRETHROID ADULTICIDE

(57) **Abstract**

The invention relates to an octanoic, nonanoic and decanoic (C8, 9, 10) fatty acids mixture with a pyrethroid. The invention also relates to methods of using the octanoic, nonanoic and decanoic (C8, 9, 10) fatty acids and pyrethroid mixture to achieve superior arthropod control.

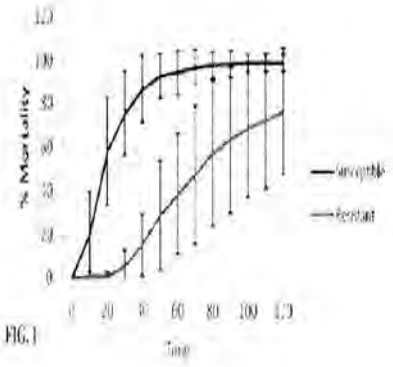


FIG.1

(56) **Documents Cited :** US 2012/0136056 A1 US 5,334,585 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5011

(21) Application No : AP/P/2016/009137

(22) Filing Date : 28.10.2014

(24) Date of Grant & (45) Publication : 26/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/898,494	01.11.2013

(84) Designated States: BW GH KE NA

(73) Applicant(s)
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(72) Inventors
FIELDS Todd, United States of America

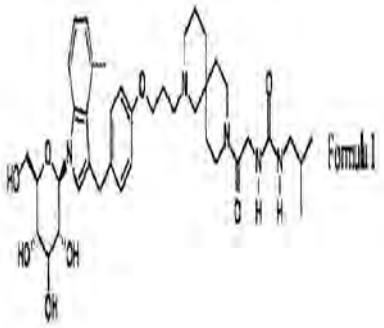
(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : C07H 19/04 (2006.01) A61K 31/7042(2006.01)

(54) Title
GLUCOPYRANOSYL-SUBSTITUTED INDOLE-UREA DERIVATIVES AND THEIR USE AS SGLT INHIBITORS

(57) Abstract

The present invention provides a compound of Formula I: or a pharmaceutically acceptable salt thereof.



(56) Documents Cited : US 2008/139484 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 5012

(21) **Application No :** AP/P/2016/009155

(22) **Filing Date :** 05.03.2015

(24) (45) **Date of Grant & Publication :** 26/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
JP	2014-163969	11.08.2014

(84) **Designated States:** MZ TZ

(73) **Applicant(s)**
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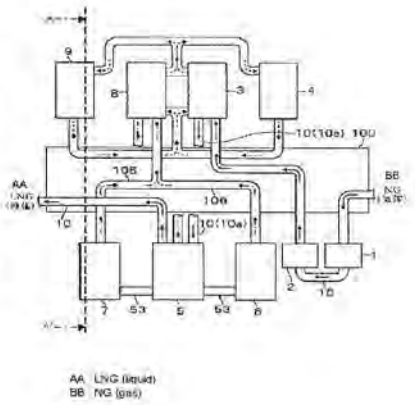
(74) **Representative**
FISHER CORMACK & BOTHA, Malawi

(51) **International Classification :** F25J 1/00 (2006.01) F25B 7/00 (2006.01) F25B 5/04 (2006.01)

(54) **Title**
GAS LIQUEFACTION PLANT

(57) **Abstract**

[Problem] To supply a liquefied gas production device which avoids complex routing of tubing and which can suppress increases in the space needed for installation. [Problem] In this liquefied gas production device for producing liquefied gas by liquefying a feed gas, a pipe rack unit 100, in which an air-cooled heat exchanger 101 is arranged, has a rectangular shape when seen from above. Along one long end of the pipe rack unit 100, a first compressor 4, a pre-cooling heat exchange unit 3, an auxiliary heat exchange unit 8 and a fourth compressor 9 are arranged in that order, and along the other long end of the pipe rack unit 100, a second compressor 6, a primary heat exchange unit 5, and a third compressor 7 are arranged in that order. Further, a pipe for the feed gas cooled by the pre-cooling heat exchange unit 4 crosses the pipe rack unit 100 and is connected to the primary heat exchange unit 5, and a pipe for the primary coolant compressed by the second and third compressors 6, 7 crosses the pipe rack unit 100 and is connected to the auxiliary heat exchange unit 8.



(56) **Documents Cited :** WO 2014/048845 A1 WO 2014/103332 A1 US 2014/053599 A1 WO 2012/057626 A2

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5013

(21) Application No : AP/P/2015/008887

(22) Filing Date : 09.05.2014

(24) Date of Grant & (45) Publication : 27/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
EP	13167191.9	09.05.2013

(84) Designated States: KE TZ UG

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(74) Representative

FISHER CORMACK & BOTHA, Malawi

(51) International Classification : C08L 23/06 (2006.01) C08L 23/08 (2006.01)

(54) Title

HDPE

(57) Abstract

A multimodal polyethylene polymer having an MFR2 of 0.05 to 10.0 g/10 min, a density of 940 kg/m3 or more, a tensile modulus of 900 MPa or more and wherein

$$M_z / M_w \leq 0.29 \left(M_w / M_n \right) + 0.8$$

(56) Documents Cited : EP 2 360 192 A1 US 2008/033111 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 5014

(21) **Application No :** AP/P/2016/009189

(22) **Filing Date :** 06.11.2014

(24) (45) **Date of Grant & Publication :** 28/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
EP	13382460.7	14.11.2013

(84) **Designated States:** BW GH KE NA

(73) **Applicant(s)**
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(72) **Inventors**
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(74) **Representative**
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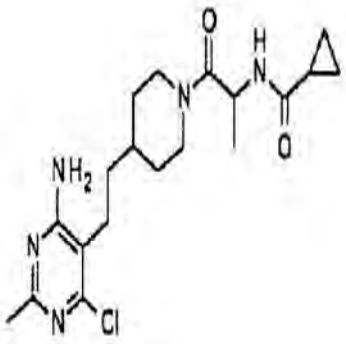
(51) **International Classification :** C07D 401/06 (2006.01) A61K 31/506 (2006.01) A61P 3/00 (2006.01)

(54) **Title**

SUBSTITUTED PIPERIDYL-ETHYL-PYRIMIDINE AS GHRELIN O-ACYL TRANSFERASE INHIBITOR

(57) **Abstract**

The present invention provides novel GOAT inhibitors and their salts and pharmaceutical compositions thereof.



(56) **Documents Cited :** WO 2007/079239 A1 WO 2006/124490 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 5015

(21) **Application No :** AP/P/2016/009403

(22) **Filing Date :** 10.04.2015

(24) (45) **Date of Grant & Publication :** 28/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
US	61/979,231	14.04.2014

(84) **Designated States:** GH KE

(73) **Applicant(s)**
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(72) **Inventors**
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BRUNETTE Steven Richard, United States of America
COLLIN Delphine, United States of America
et al

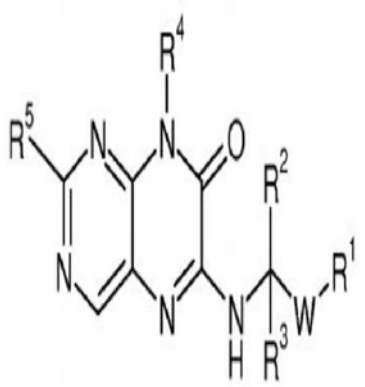
(74) **Representative**
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(51) **International Classification :** C07D 475/10 (2006.01) A61K 31/33 (2006.01)

(54) **Title**
COMPOUNDS AS MODULATORS OF ROR GAMMA

(57) **Abstract**

The present invention encompasses compounds of the formula (I) wherein the variables are defined herein which are suitable for the modulation of RORγ and the treatment of diseases related to the modulation of RORγ. The present invention also encompasses processes of making compounds of formula (I) and pharmaceutical preparations containing them.



(56) **Documents Cited :** PASHA M.KHAN et al: R.0.HUGHES et al: WO 03/024966 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5016

(21) Application No : AP/P/2016/009543

(22) Filing Date : 13.05.2015

(24) Date of Grant & (45) Publication : 28/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
GB	1408579.9	14.05.2014

(84) Designated States:

BW GH GM KE LR LS MW
MZ NA RW SD SL ST SZ
TZ UG ZM ZW

(73) Applicant(s)

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(74) Representative

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(51) International Classification : B23K 20/12 (2006.01) B23K 20/22 (2006.01) B23K 101/10 (2006.01) B23K 101/34 (2006.01)

(54) Title

FABRICATION OF PIPE STRINGS USING FRICTION STIR WELDING

(57) Abstract

A method of fabrication by friction stir welding (FSW) at an interface between adjoining components such as pipe lengths of a pipeline. The components may comprise layers of different metals on each side (102, 104). FSW is performed from one side of the adjoining components by effecting relative movement of a first FSW tool (110) along the interface. FSW is performed from an opposite side of the adjoining components by effecting relative movement of a second FSW tool (110) along the interface. Advantageously, FSW is performed simultaneously from both sides of the adjoining components, with the FSW tools applying loads in mutual opposition about the adjoining components.

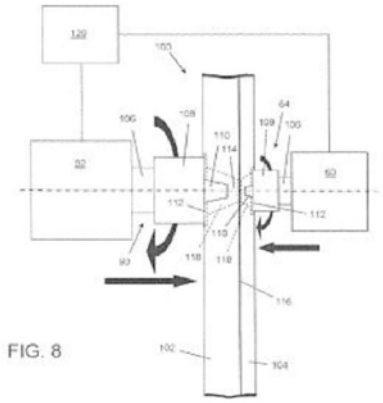


FIG. 8

(56) Documents Cited : US 2005/0082342 A1 US 6 045 028 A JP H11 320127 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5017

(21) Application No : AP/P/2016/009544

(22) Filing Date : 13.05.2015

(24) Date of Grant & (45) Publication : 28/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
GB	1408580.7	14.05.2014

(84) Designated States:

BW GH GM KE LR LS MW
MZ NA RW SD SL ST SZ
TZ UG ZM ZW

(73) Applicant(s)

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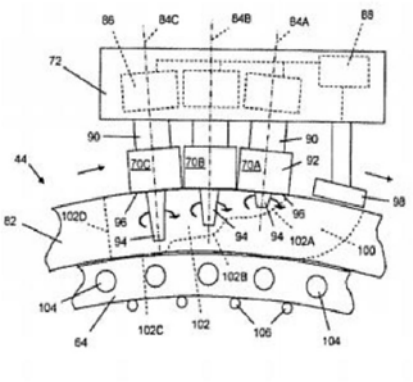
(51) International Classification : B23K 37/02 (2006.01) B23K 37/053 (2006.01) B23K 20/12 (2006.01) B23K 101/10 (2006.01)

(54) Title

FABRICATION OF PIPE STRINGS USING FRICTION STIR WELDING

(57) Abstract

A method of fabricating a metal pipeline by friction stir welding (FSW) along a circumferential interface comprises spinning first and second FSW tools about respective axes of rotation in contact with a pipe wall to heat, plasticise and stir respective zones of plasticised metal at the interface. The zone of plasticised metal produced by the second FSW tool extends deeper into the pipe wall than the zone of plasticised metal produced by the first FSW tool. Relative circumferential movement of the FSW tools along the interface is controlled such that the second FSW tool following the first FSW tool enters the zone of plasticised metal produced by the first FSW tool while the metal in that zone remains plastic.



(56) Documents Cited : US 2010/0159265 A1 US 2011/0127311 A1 US 2014/0069984 A1 US 4 767 048 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 5018

(21) Application No : AP/P/2015/008190

(22) Filing Date : 01.07.2013

(24) Date of Grant & (45) Publication : 29/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/667,184	02.07.2012
US	13/614,689	13.09.2012

(84) Designated States: KE RW TZ UG

(73) Applicant(s)
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(72) Inventors
BRONICKI Lucien Y, Israel

(74) Representative
FISHER CORMACK & BOTHA, Malawi

(51) International Classification : F24F 13/15 (2006.01) F28F 13/06 (2006.01)

(54) Title
Device and method for minimizing the effect of ambient conditions on the operation of a heat exchanger

(57) Abstract

A heat exchanger system for cooling liquid having a plurality of finned tube arrays and a plurality of fans for inducing air through the finned tube array comprising: at least one wind deflector installed along the long side of the finned tube arrays on at least one side of the arrays; and method for the same is also disclosed, including the steps of: setting the angle of deflection of the wind deflectors other than the angle of deflection of the uppermost position of the wind deflectors; collecting readings of outlet temperature sensor of the heat exchanger, ambient temperature, wind sensor and inlet air pressure sensor of the heat exchanger; recording the readings; comparing the to previous readings; and carrying out a correction command if the readings have changed.

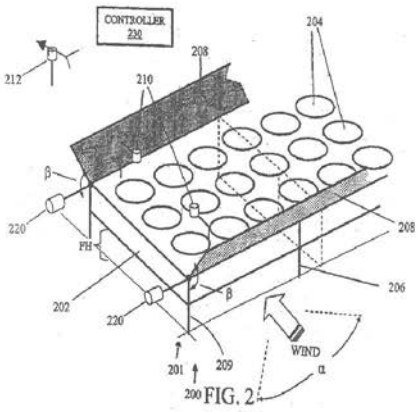


FIG. 2

(56) Documents Cited :

GB-948562
US 4,450,899 A
US-4450899
US 3,933,196 A
US 2012/0118513 A1
US 7,431,270 82

Patents Granted (Contd.)

FORM 25 | **(12) PATENT** | **(19) AP**

(11) **Patent No :** AP 5019

(21) **Application No :** AP/P/2017/010336

(22) **Filing Date :** 11.05.2016

(24) (45) **Date of Grant & Publication :** 29/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
DK	PA 2015 00284	13.05.2015

(84) **Designated States:** BW GH KE MZ NA SD TZ

(73) **Applicant(s)**
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et al

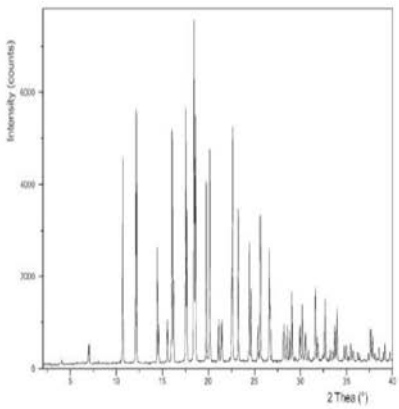
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(51) **International Classification :**
C07D 295/096 (2006.01)
C07D 207/28 (2006.01)
A61K 31/495 (2006.01)
A61P 25/24 (2006.01)
A61P AP25/28 (2006.01)
A61P 25/18 (2006.01)

(54) **Title**
VORTIOXETINE PYROGLUTAMATE

(57) **Abstract**

The present invention provides vortioxetine pyroglutamate salt and pharmaceutical compositions comprising said salt.



(56) **Documents Cited :** WO2007144005 A1 GB1006728 A WO2014044721 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 5021

(21) **Application No :** AP/P/2015/008310

(22) **Filing Date :** 19.09.2013

(24) (45) **Date of Grant & Publication :** 29/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
FR	12 58852	20.09.2012

(84) **Designated States:** GH MZ

(73) **Applicant(s)**
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BIGEONNEAU Didier, France
et al

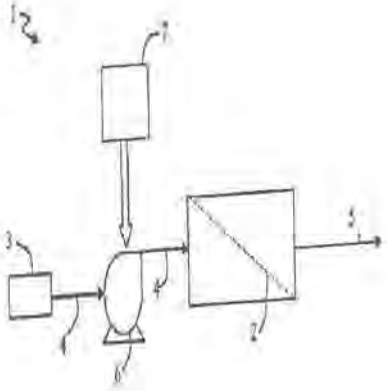
(74) **Representative**
FISHER CORMACK & BOTHA, Malawi

(51) **International Classification :** B01D 61/12 (2006.01)

(54) **Title**
METHOD AND DEVICE FOR THE UNDERWATER TESTING OF A FILTRATION SYSTEM

(57) **Abstract**

The invention relates to a method for testing an underwater filtration system, and to the underwater test device allowing the study of the operation of filtration systems in aquatic conditions. The test method comprises steps consisting in introducing a flow of water into the underwater test device via a water intake, said underwater test device comprising at least one filter, guiding said flow in the underwater test device to said filter, obtaining a filtrate downstream of said filter, and expelling said filtrate into the environment via a discharge line. The underwater test device is arranged at least 500 metres under water.



(56) **Documents Cited :** GB 2451008 A WO 2007/138327 A1 US 2011/132842 A1
CN 101844002 A

Classification Index of Granted Patents

IPC Symbol(s)	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name
H04L 5/00 (2006.01) H04W 72/04 (2009.01)	AP/P/2015/008456	AP 4982	PCT/US2013/059079	QUALCOMM INCORPORATED
F24J 2/54 (2006.01) A47F 5/01 (2006.01) F16L 19/02 (2006.01) A47B 45/00 (2006.01)	AP/P/2015/008889	AP 4983	PCT/US2014/033762	ARRAY TECHNOLOGIES PATENT HOLDING CO., LLC
H05B 3/00 (2006.01)	AP/P/2015/008897	AP 4984	PCT/SG2015/050062	Cell ID Pte Ltd
C07D 493/18 (2006.01)	AP/P/2016/009026	AP 4985	PCT/EP2014/065053	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.
A61K 31/506 (2006.01) A61P 3/06 (2006.01) A61P 9/00 (2006.01)	AP/P/2016/009359	AP 4986	PCT/NL2014/050068	Dezima Pharma B.V.
B01J 23/75 (2006.01) B01J 37/08 (2006.01) B01J 37/18 (2006.01) B01J 21/12 (2006.01) B01J 37/02 (2006.01) B01J 37/14 (2006.01) C10G 2/332 (2006.01)	AP/P/2013/007293	AP 4987	PCT/IB12/054493	SASOL TECHNOLOGY (PROPRIETARY) LIMITED
H02G 3/18 (2006.01) H02G 9/10 (2006.01) G02B 6/44 (2006.01)	AP/P/2015/008383	AP 4988	PCT/US2013/067148	CHANNELL COMMERCIAL CORPORATION
B08B 3/04 (2006.01)	AP/P/2015/008457	AP 4989	PCT/US2013/058775	SPECTRA SYSTEMS CORPORATION
G01N 21/87 (2006.01) G01N 21/84 (2006.01) B07C 5/30 (2006.01)	AP/P/2015/008678	AP 4990	PCT/IB2013/002430	Sahajanand Technologies Private Limited
H04B 5/02 (2006.01) G06K 7/10 (2006.01)	AP/P/2015/008434	AP 4991	PCT/US2013/066972	QUALCOMM INCORPORATED
G06Q 20/40 (2012.01) G06Q 20/12 (2012.01) G06Q 40/02 (2012.01)	AP/P/2016/008996	AP 4992	PCT/IB2014/063410	VISA INTERNATIONAL SERVICE ASSOCIATION
F04D 7/04 (2006.01) F04D 29/22 (2006.01) F04D 29/42 (2006.01)	AP/P/2013/007329	AP 4993	PCT/AU12/000868	WEIR MINERALS AUSTRALIA LTD
F16J 15/32 (2006.01) F04B 9/14 (2006.01) F04B 47/02 (2006.01)	AP/P/2015/008195	AP 4994	PCT/GB13/051588	FLEXIPUMP IRRIGATION LIMITED
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E03F 1/00 (2006.01) B61D 35/00 (2006.01) B63B 29/14 (2006.01) B60R 15/04 (2006.01) B64D 11/02 (2006.01)	AP/P/2016/009423	AP 4996	PCT/EP2015/057762	EVAC GMBH
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A01C 7/00 (2006.01)	AP/P/2015/008655	AP 4999	PCT/CA2014/000103	BAYER CROPSCIENCE INC.
G06F 17/21 (2006.01) G06F 17/30 (2006.01)	AP/P/2016/009111	AP 5000	PCT/IB2015/054734	VF Worldwide Holdings LTD

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IPC Symbol(s)	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name
C22B 3/22 (2006.01) C22B 3/44 (2006.01) C22B 3/06 (2006.01) C22B 11/08 (2006.01) C22B 15/00 (2006.01)	AP/P/2017/009696	AP 5001	PCT/ZA2015/000045	SIRCH GROUP (PTY) LTD
C01F 17/00 (2006.01)	AP/P/2017/009745	AP 5002	PCT/US2015/045423	RARE EARTH SALTS SEPARATION AND REFINING, LLC
A61K 31/295 (2006.01) A61K 31/7004(2006.01)	AP/P/2017/009747	AP 5003	PCT/EP2015/067216	TSETI Ioulia
C07D 413/04 (2006.01) C07C 55/06 (2006.01) C07D 413/14 (2006.01)	AP/P/2017/009755	AP 5004	PCT/IN2014/000677	SUVEN LIFE SCIENCES LIMITED
H01L 31/0236(2006.01) H01L 31/042 (2014.01)	AP/P/2015/008639	AP 5005	PCT/IB2014/058908	COLAS
C07K 14/47 (2006.01)	AP/P/2017/009801	AP 5006	PCT/EP2015/074482	TSETI Ioulia
H04L 5/00 (2006.01)	AP/P/2015/008458	AP 5007	PCT/US2013/067297	QUALCOMM INCORPORATED
G02B 6/44 (2006.01)	AP/P/2015/008823	AP 5008	PCT/EP2014/058136	TYCO ELECTRONICS RAYCHEM BVBA
A01G 31/00 (2006.01)	AP/P/2016/009035	AP 5009	PCT/JP2014/071141	MEBIOL INC.
A01N 25/00 (2006.01) A01P 7/04 (2006.01) A01N 43/00 (2006.01)	AP/P/2016/009116	AP 5010	PCT/US2014/058811	Valent Biosciences Corporation
C07H 19/04 (2006.01) A61K 31/7042(2006.01)	AP/P/2016/009137	AP 5011	PCT/US2014/062548	ELI LILLY AND COMPANY
F25J 1/00 (2006.01) F25B 5/04 (2006.01) F25B 7/00 (2006.01)	AP/P/2016/009155	AP 5012	PCT/JP2015/001202	JGC CORPORATION
C08L 23/06 (2006.01) C08L 23/08 (2006.01)	AP/P/2015/008887	AP 5013	PCT/EP2014/059579	BOREALIS AG
C07D 401/06 (2006.01) A61K 31/506 (2006.01) A61P 3/00 (2006.01)	AP/P/2016/009189	AP 5014	PCT/US2014/064202	ELI LILLY AND COMPANY
C07D 475/10 (2006.01) A61K 31/33 (2006.01)	AP/P/2016/009403	AP 5015	PCT/US2015/025328	BOEHRINGER INGELHEIM INTERNATIONAL GMBH
B23K 20/12 (2006.01) B23K 20/22 (2006.01) B23K 101/10 (2006.01) B23K 101/34 (2006.01)	AP/P/2016/009543	AP 5016	PCT/IB2015/000959	ACERGY FRANCE SAS
B23K 37/02 (2006.01) B23K 37/053 (2006.01) B23K 20/12 (2006.01) B23K 101/10 (2006.01)	AP/P/2016/009544	AP 5017	PCT/IB2015/000958	ACERGY FRANCE SAS
F24F 13/15 (2006.01) F28F 13/06 (2006.01)	AP/P/2015/008190	AP 5018	PCT/IB13/001393	ORMAT TECHNOLOGIES INC.
C07D 295/096(2006.01) A61P 25/24 (2006.01) C07D 207/28 (2006.01) A61P AP25/28(2006.01) A61K 31/495 (2006.01) A61P 25/18 (2006.01)	AP/P/2017/010336	AP 5019	PCT/EP2016/060540	H. LUNDBECK A/S
B01D 61/12 (2006.01)	AP/P/2015/008310	AP 5021	PCT/FR2013/052165	TOTAL S.A.

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Patentee's Name	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	IPC Symbol(s)
QUALCOMM INCORPORATED	AP/P/2015/008456	AP 4982	PCT/US2013/059079	H04L 5/00 (2006.01) H04W 72/04 (2009.01)
ARRAY TECHNOLOGIES PATENT HOLDING CO., LLC	AP/P/2015/008889	AP 4983	PCT/US2014/033762	F24J 2/54 (2006.01) A47F 5/01 (2006.01) F16L 19/02 (2006.01) A47B 45/00 (2006.01)
Cell ID Pte Ltd	AP/P/2015/008897	AP 4984	PCT/SG2015/050062	H05B 3/00 (2006.01)
Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	AP/P/2016/009026	AP 4985	PCT/EP2014/065053	C07D 493/18 (2006.01)
Dezima Pharma B.V.	AP/P/2016/009359	AP 4986	PCT/NL2014/050068	A61K 31/506 (2006.01) A61P 3/06 (2006.01) A61P 9/00 (2006.01)
SASOL TECHNOLOGY (PROPRIETARY) LIMITED	AP/P/2013/007293	AP 4987	PCT/IB12/054493	B01J 23/75 (2006.01) B01J 37/08 (2006.01) B01J 37/18 (2006.01) B01J 21/12 (2006.01) B01J 37/02 (2006.01) B01J 37/14 (2006.01) C10G 2/332 (2006.01)
CHANNELL COMMERCIAL CORPORATION	AP/P/2015/008383	AP 4988	PCT/US2013/067148	H02G 3/18 (2006.01) H02G 9/10 (2006.01) G02B 6/44 (2006.01)
SPECTRA SYSTEMS CORPORATION	AP/P/2015/008457	AP 4989	PCT/US2013/058775	B08B 3/04 (2006.01)
Sahajanand Technologies Private Limited	AP/P/2015/008678	AP 4990	PCT/IB2013/002430	G01N 21/87 (2006.01) G01N 21/84 (2006.01) B07C 5/30 (2006.01)
QUALCOMM INCORPORATED	AP/P/2015/008434	AP 4991	PCT/US2013/066972	H04B 5/02 (2006.01) G06K 7/10 (2006.01)
VISA INTERNATIONAL SERVICE ASSOCIATION	AP/P/2016/008996	AP 4992	PCT/IB2014/063410	G06Q 20/40 (2012.01) G06Q 20/12 (2012.01) G06Q 40/02 (2012.01)
WEIR MINERALS AUSTRALIA LTD	AP/P/2013/007329	AP 4993	PCT/AU12/000868	F04D 7/04 (2006.01) F04D 29/22 (2006.01) F04D 29/42 (2006.01)
FLEXIPUMP IRRIGATION LIMITED	AP/P/2015/008195	AP 4994	PCT/GB13/051588	F16J 15/32 (2006.01) F04B 9/14 (2006.01) F04B 47/02 (2006.01)
AQUA METALS INC.	AP/P/2016/009279	AP 4995	PCT/US2014/066142	H01M 10/54 (2006.01) H01M 10/06 (2006.01) H01M 4/14 (2006.01) C25C 1/18 (2006.01)
EVAC GMBH	AP/P/2016/009423	AP 4996	PCT/EP2015/057762	E03F 1/00 (2006.01) B61D 35/00 (2006.01) B63B 29/14 (2006.01) B60R 15/04 (2006.01) B64D 11/02 (2006.01)
QUALCOMM INCORPORATED	AP/P/2015/008410	AP 4997	PCT/US2013/066965	H04N 21/422 (2011.01) H04N 21/436 (2011.01) H04N 21/4363 (2011.01) H04L 29/08 (2006.01)
ONYX DEVELOPPEMENT SAS	AP/P/2016/009501	AP 4998	PCT/FR2015/050795	A23J 3/34 (2006.01) A23J 3/14 (2006.01) A23J 3/16 (2006.01) A23C 20/00 (2006.01)
BAYER CROPSCIENCE INC.	AP/P/2015/008655	AP 4999	PCT/CA2014/000103	A01C 7/00 (2006.01)
VF Worldwide Holdings LTD	AP/P/2016/009111	AP 5000	PCT/IB2015/054734	G06F 17/21 (2006.01) G06F 17/30 (2006.01)

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Patentee's Name	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	IPC Symbol(s)
SIRCH GROUP (PTY) LTD	AP/P/2017/009696	AP 5001	PCT/ZA2015/000045	C22B 3/22 (2006.01) C22B 3/44 (2006.01) C22B 3/06 (2006.01) C22B 11/08 (2006.01) C22B 15/00 (2006.01)
RARE EARTH SALTS SEPARATION AND REFINING, LLC	AP/P/2017/009745	AP 5002	PCT/US2015/045423	C01F 17/00 (2006.01)
TSETI Ioulia	AP/P/2017/009747	AP 5003	PCT/EP2015/067216	A61K 31/295 (2006.01) A61K 31/7004 (2006.01)
SUVEN LIFE SCIENCES LIMITED	AP/P/2017/009755	AP 5004	PCT/IN2014/000677	C07D 413/04 (2006.01) C07C 55/06 (2006.01) C07D 413/14 (2006.01)
COLAS	AP/P/2015/008639	AP 5005	PCT/IB2014/058908	H01L 31/0236 (2006.01) H01L 31/042 (2014.01)
TSETI Ioulia	AP/P/2017/009801	AP 5006	PCT/EP2015/074482	C07K 14/47 (2006.01)
QUALCOMM INCORPORATED	AP/P/2015/008458	AP 5007	PCT/US2013/067297	H04L 5/00 (2006.01)
TYCO ELECTRONICS RAYCHEM BVBA	AP/P/2015/008823	AP 5008	PCT/EP2014/058136	G02B 6/44 (2006.01)
MEBIOL INC.	AP/P/2016/009035	AP 5009	PCT/JP2014/071141	A01G 31/00 (2006.01)
Valent Biosciences Corporation	AP/P/2016/009116	AP 5010	PCT/US2014/058811	A01N 25/00 (2006.01) A01P 7/04 (2006.01) A01N 43/00 (2006.01)
ELI LILLY AND COMPANY	AP/P/2016/009137	AP 5011	PCT/US2014/062548	C07H 19/04 (2006.01) A61K 31/7042 (2006.01)
JGC CORPORATION	AP/P/2016/009155	AP 5012	PCT/JP2015/001202	F25J 1/00 (2006.01) F25B 5/04 (2006.01) F25B 7/00 (2006.01)
BOREALIS AG	AP/P/2015/008887	AP 5013	PCT/EP2014/059579	C08L 23/06 (2006.01) C08L 23/08 (2006.01)
ELI LILLY AND COMPANY	AP/P/2016/009189	AP 5014	PCT/US2014/064202	C07D 401/06 (2006.01) A61K 31/506 (2006.01) A61P 3/00 (2006.01)
BOEHRINGER INGELHEIM INTERNATIONAL GMBH	AP/P/2016/009403	AP 5015	PCT/US2015/025328	C07D 475/10 (2006.01) A61K 31/33 (2006.01)
ACERGY FRANCE SAS	AP/P/2016/009543	AP 5016	PCT/IB2015/000959	B23K 20/12 (2006.01) B23K 20/22 (2006.01) B23K 101/10 (2006.01) B23K 101/34 (2006.01)
ACERGY FRANCE SAS	AP/P/2016/009544	AP 5017	PCT/IB2015/000958	B23K 37/02 (2006.01) B23K 37/053 (2006.01) B23K 20/12 (2006.01) B23K 101/10 (2006.01)
ORMAT TECHNOLOGIES INC.	AP/P/2015/008190	AP 5018	PCT/IB13/001393	F24F 13/15 (2006.01) F28F 13/06 (2006.01)
H. LUNDBECK A/S	AP/P/2017/010336	AP 5019	PCT/EP2016/060540	C07D 295/096 (2006.01) A61P 25/24 (2006.01) C07D 207/28 (2006.01) A61P AP25/28 (2006.01) A61K 31/495 (2006.01) A61P 25/18 (2006.01)
TOTAL S.A.	AP/P/2015/008310	AP 5021	PCT/FR2013/052165	B01D 61/12 (2006.01)

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ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name	IPC Symbol(s)
AP/P/2015/008456	AP 4982	PCT/US2013/059079	QUALCOMM INCORPORATED	H04L 5/00 (2006.01) H04W 72/04 (2009.01)
AP/P/2015/008889	AP 4983	PCT/US2014/033762	ARRAY TECHNOLOGIES PATENT HOLDING CO., LLC	F24J 2/54 (2006.01) A47F 5/01 (2006.01) F16L 19/02 (2006.01) A47B 45/00 (2006.01)
AP/P/2015/008897	AP 4984	PCT/SG2015/050062	Cell ID Pte Ltd	H05B 3/00 (2006.01)
AP/P/2016/009026	AP 4985	PCT/EP2014/065053	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	C07D 493/18 (2006.01)
AP/P/2016/009359	AP 4986	PCT/NL2014/050068	Dezima Pharma B.V.	A61K 31/506 (2006.01) A61P 3/06 (2006.01) A61P 9/00 (2006.01)
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AP/P/2015/008383	AP 4988	PCT/US2013/067148	CHANNELL COMMERCIAL CORPORATION	H02G 3/18 (2006.01) H02G 9/10 (2006.01) G02B 6/44 (2006.01)
AP/P/2015/008457	AP 4989	PCT/US2013/058775	SPECTRA SYSTEMS CORPORATION	B08B 3/04 (2006.01)
AP/P/2015/008678	AP 4990	PCT/IB2013/002430	Sahajanand Technologies Private Limited	G01N 21/87 (2006.01) G01N 21/84 (2006.01) B07C 5/30 (2006.01)
AP/P/2015/008434	AP 4991	PCT/US2013/066972	QUALCOMM INCORPORATED	H04B 5/02 (2006.01) G06K 7/10 (2006.01)
AP/P/2016/008996	AP 4992	PCT/IB2014/063410	VISA INTERNATIONAL SERVICE ASSOCIATION	G06Q 20/40 (2012.01) G06Q 20/12 (2012.01) G06Q 40/02 (2012.01)
AP/P/2013/007329	AP 4993	PCT/AU12/000868	WEIR MINERALS AUSTRALIA LTD	F04D 7/04 (2006.01) F04D 29/22 (2006.01) F04D 29/42 (2006.01)
AP/P/2015/008195	AP 4994	PCT/GB13/051588	FLEXIPUMP IRRIGATION LIMITED	F16J 15/32 (2006.01) F04B 9/14 (2006.01) F04B 47/02 (2006.01)
AP/P/2016/009279	AP 4995	PCT/US2014/066142	AQUA METALS INC.	H01M 10/54 (2006.01) H01M 10/06 (2006.01) H01M 4/14 (2006.01) C25C 1/18 (2006.01)
AP/P/2016/009423	AP 4996	PCT/EP2015/057762	EVAC GMBH	E03F 1/00 (2006.01) B61D 35/00 (2006.01) B63B 29/14 (2006.01) B60R 15/04 (2006.01) B64D 11/02 (2006.01)
AP/P/2015/008410	AP 4997	PCT/US2013/066965	QUALCOMM INCORPORATED	H04N 21/422 (2011.01) H04N 21/436 (2011.01) H04N 21/4363 (2011.01) H04L 29/08 (2006.01)
AP/P/2016/009501	AP 4998	PCT/FR2015/050795	ONYX DEVELOPPEMENT SAS	A23J 3/34 (2006.01) A23J 3/14 (2006.01) A23J 3/16 (2006.01) A23C 20/00 (2006.01)
AP/P/2015/008655	AP 4999	PCT/CA2014/000103	BAYER CROPSCIENCE INC.	A01C 7/00 (2006.01)
AP/P/2016/009111	AP 5000	PCT/IB2015/054734	VF Worldwide Holdings LTD	G06F 17/21 (2006.01) G06F 17/30 (2006.01)

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ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name	IPC Symbol(s)
AP/P/2017/009696	AP 5001	PCT/ZA2015/000045	SIRCH GROUP (PTY) LTD	C22B 3/22 (2006.01) C22B 3/44 (2006.01) C22B 3/06 (2006.01) C22B 11/08 (2006.01) C22B 15/00 (2006.01)
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AP/P/2017/009747	AP 5003	PCT/EP2015/067216	TSETI Ioulia	A61K 31/295 (2006.01) A61K 31/7004 (2006.01)
AP/P/2017/009755	AP 5004	PCT/IN2014/000677	SUVEN LIFE SCIENCES LIMITED	C07D 413/04 (2006.01) C07C 55/06 (2006.01) C07D 413/14 (2006.01)
AP/P/2015/008639	AP 5005	PCT/IB2014/058908	COLAS	H01L 31/0236 (2006.01) H01L 31/042 (2014.01)
AP/P/2017/009801	AP 5006	PCT/EP2015/074482	TSETI Ioulia	C07K 14/47 (2006.01)
AP/P/2015/008458	AP 5007	PCT/US2013/067297	QUALCOMM INCORPORATED	H04L 5/00 (2006.01)
AP/P/2015/008823	AP 5008	PCT/EP2014/058136	TYCO ELECTRONICS RAYCHEM BVBA	G02B 6/44 (2006.01)
AP/P/2016/009035	AP 5009	PCT/JP2014/071141	MEBIOL INC.	A01G 31/00 (2006.01)
AP/P/2016/009116	AP 5010	PCT/US2014/058811	Valent Biosciences Corporation	A01N 25/00 (2006.01) A01P 7/04 (2006.01) A01N 43/00 (2006.01)
AP/P/2016/009137	AP 5011	PCT/US2014/062548	ELI LILLY AND COMPANY	C07H 19/04 (2006.01) A61K 31/7042 (2006.01)
AP/P/2016/009155	AP 5012	PCT/JP2015/001202	JGC CORPORATION	F25J 1/00 (2006.01) F25B 5/04 (2006.01) F25B 7/00 (2006.01)
AP/P/2015/008887	AP 5013	PCT/EP2014/059579	BOREALIS AG	C08L 23/06 (2006.01) C08L 23/08 (2006.01)
AP/P/2016/009189	AP 5014	PCT/US2014/064202	ELI LILLY AND COMPANY	C07D 401/06 (2006.01) A61K 31/506 (2006.01) A61P 3/00 (2006.01)
AP/P/2016/009403	AP 5015	PCT/US2015/025328	BOEHRINGER INGELHEIM INTERNATIONAL GMBH	C07D 475/10 (2006.01) A61K 31/33 (2006.01)
AP/P/2016/009543	AP 5016	PCT/IB2015/000959	ACERGY FRANCE SAS	B23K 20/12 (2006.01) B23K 20/22 (2006.01) B23K 101/10 (2006.01) B23K 101/34 (2006.01)
AP/P/2016/009544	AP 5017	PCT/IB2015/000958	ACERGY FRANCE SAS	B23K 37/02 (2006.01) B23K 37/053 (2006.01) B23K 20/12 (2006.01) B23K 101/10 (2006.01)
AP/P/2015/008190	AP 5018	PCT/IB13/001393	ORMAT TECHNOLOGIES INC.	F24F 13/15 (2006.01) F28F 13/06 (2006.01)
AP/P/2017/010336	AP 5019	PCT/EP2016/060540	H. LUNDBECK A/S	C07D 295/096 (2006.01) A61P 25/24 (2006.01) C07D 207/28 (2006.01) A61P AP25/28 (2006.01) A61K 31/495 (2006.01) A61P 25/18 (2006.01)
AP/P/2015/008310	AP 5021	PCT/FR2013/052165	TOTAL S.A.	B01D 61/12 (2006.01)

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AP 1665	AP/P/2002/002617	28.01.2020	08.02.2021	19th yr
AP 2123	AP/P/2003/002848	17.01.2020	07.03.2021	18th yr
AP 1767	AP/P/2004/003085	08.01.2020	10.01.2021	17th yr
AP 1633	AP/P/2004/003101	23.01.2020	30.01.2021	17th yr
AP 1937	AP/P/2005/003407	28.01.2020	12.03.2021	16th yr
AP 2045	AP/P/2005/003437	26.02.2020	23.04.2021	16th yr
AP 2644	AP/P/2006/003788	10.01.2020	17.03.2021	15th yr
AP 2488	AP/P/2007/003953	31.01.2020	26.03.2021	13th yr
AP 2764	AP/P/2007/004089	17.01.2020	30.01.2021	14th yr
AP 2672	AP/P/2007/004104	17.01.2020	30.01.2021	14th yr
AP 2471	AP/P/2007/004108	24.01.2020	22.02.2021	14th yr
AP 2482	AP/P/2007/004114	23.01.2020	03.02.2021	14th yr
AP 2698	AP/P/2007/004124	24.01.2020	14.02.2021	14th yr
AP 2868	AP/P/2007/004153	24.01.2020	15.02.2021	14th yr
AP 2396	AP/P/2008/004543	23.01.2020	14.02.2021	13th yr
AP 2489	AP/P/2008/004566	06.02.2020	26.01.2021	13th yr
AP 2646	AP/P/2008/004571	24.01.2020	05.02.2021	13th yr
AP 2273	AP/P/2008/004582	20.01.2020	23.01.2021	13th yr
AP 2914	AP/P/2008/004621	17.01.2020	06.03.2021	13th yr
AP 2893	AP/P/2008/004630	17.01.2020	28.02.2021	13th yr
AP 3024	AP/P/2009/004810	31.01.2020	23.03.2021	11th yr
AP 2734	AP/P/2009/004952	23.01.2020	13.02.2021	12th yr
AP 2986	AP/P/2009/004964	06.02.2020	22.02.2021	12th yr
AP 3658	AP/P/2009/004974	24.01.2020	28.03.2021	12th yr
AP 2886	AP/P/2010/005357	18.01.2020	18.01.2022	13th yr
AP 3132	AP/P/2010/005361	29.01.2020	02.02.2021	11th yr
AP 3117	AP/P/2010/005369	17.01.2020	10.02.2021	11th yr
AP 3129	AP/P/2010/005380	21.01.2020	30.01.2021	11th yr
AP 2966	AP/P/2010/005389	10.01.2020	18.02.2021	12th yr
AP 2967	AP/P/2010/005402	24.01.2020	26.02.2021	11th yr
AP 3111	AP/P/2011/005796	17.01.2020	20.01.2021	10th yr
AP 2987	AP/P/2011/005835	24.01.2020	03.02.2021	10th yr
AP 3395	AP/P/2011/005836	05.02.2020	11.02.2021	10th yr
AP 3189	AP/P/2011/005842	17.01.2020	29.01.2021	10th yr
AP 3396	AP/P/2011/005847	06.02.2020	16.02.2021	10th yr
AP 3147	AP/P/2011/005900	27.01.2020	03.02.2021	9th yr
AP 3049	AP/P/2011/005914	31.01.2020	09.03.2021	10th yr
AP 2427	AP/P/2011/005924	23.01.2020	14.02.2021	13th yr
AP 3278	AP/P/2011/005969	11.02.2020	20.05.2021	10th yr

Patents Renewed (Contd.)

Patent No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP 2849	AP/P/2011/006004	11.02.2020	20.05.2021	10th yr
AP 3353	AP/P/2012/006083	31.01.2020	18.03.2021	10th yr
AP 3232	AP/P/2012/006084	27.01.2020	30.07.2020	9th yr
AP 3344	AP/P/2012/006149	31.01.2020	06.03.2021	8th yr
AP 3325	AP/P/2012/006340	31.01.2020	09.08.2020	9th yr
AP 3509	AP/P/2012/006391	23.01.2020	01.02.2021	10th yr
AP 3200	AP/P/2012/006427	23.01.2020	01.02.2021	9th yr
AP 3219	AP/P/2012/006430	23.01.2020	01.02.2021	9th yr
AP 3451	AP/P/2012/006431	27.01.2020	06.02.2021	8th yr
AP 3790	AP/P/2012/006443	10.01.2020	27.01.2021	9th yr
AP 4202	AP/P/2012/006468	23.01.2020	09.02.2021	9th yr
AP 3410	AP/P/2012/006472	30.01.2020	15.03.2021	9th yr
AP 4256	AP/P/2012/006492	31.01.2020	17.03.2021	9th yr
AP 3199	AP/P/2012/006493	31.01.2020	17.03.2021	9th yr
AP 3222	AP/P/2012/006526	24.01.2020	30.03.2021	9th yr
AP 3920	AP/P/2013/006988	22.01.2020	30.01.2021	8th yr
AP 3966	AP/P/2013/007015	01.01.2020	29.12.2020	8th yr
AP 3836	AP/P/2013/007031	28.01.2020	17.01.2020	7th yr
AP 3836	AP/P/2013/007031	28.01.2020	17.01.2021	8th yr
AP 3915	AP/P/2013/007042	06.02.2020	22.02.2021	12th yr
AP 3763	AP/P/2013/007061	23.01.2020	31.01.2021	8th yr
AP 3935	AP/P/2013/007078	15.01.2020	02.02.2021	8th yr
AP 3935	AP/P/2013/007078	10.01.2020	02.02.2020	7th yr
AP 3829	AP/P/2013/007096	23.01.2020	15.02.2021	8th yr
AP 3813	AP/P/2013/007098	10.01.2020	14.02.2020	7th yr
AP 3813	AP/P/2013/007098	15.01.2020	14.02.2021	8th yr
AP 3837	AP/P/2013/007100	27.01.2020	09.02.2021	8th yr
AP 4903	AP/P/2013/007106	17.01.2020	17.02.2021	8th yr
AP 4388	AP/P/2013/007110	03.02.2020	09.02.2021	8th yr
AP 3712	AP/P/2013/007120	27.01.2020	23.02.2021	8th yr
AP 3673	AP/P/2013/007126	31.01.2020	24.02.2021	8th yr
AP 3752	AP/P/2013/007148	31.01.2020	21.03.2021	8th yr
AP 3262	AP/P/2013/007162	24.01.2020	12.02.2021	11th yr
AP 4189	AP/P/2013/007172	20.01.2020	28.04.2021	9th yr
AP 4190	AP/P/2013/007245	20.01.2020	25.04.2021	8th yr
AP 3921	AP/P/2013/007246	20.01.2020	25.04.2021	8th yr
AP 4446	AP/P/2013/007261	11.02.2020	30.05.2021	8th yr
AP 4449	AP/P/2013/007262	11.02.2020	30.05.2021	8th yr
AP 4021	AP/P/2014/007780	17.01.2020	14.02.2021	7th yr

Patents Renewed (Contd.)

Patent No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP 3986	AP/P/2014/007786	17.01.2020	28.01.2021	7th yr
AP 4131	AP/P/2014/007854	23.01.2020	14.02.2021	7th yr
AP 4027	AP/P/2014/007855	24.01.2020	13.02.2021	7th yr
AP 4852	AP/P/2014/007876	24.01.2020	22.02.2021	7th yr
AP 4344	AP/P/2014/007879	23.01.2020	04.02.2021	7th yr
AP 4285	AP/P/2014/007890	06.02.2020	22.02.2021	7th yr
AP 3940	AP/P/2014/007902	27.01.2020	01.02.2021	7th yr
AP 3675	AP/P/2014/007925	23.01.2020	14.02.2021	7th yr
AP 4077	AP/P/2014/007945	24.01.2020	14.03.2021	7th yr
AP 3908	AP/P/2014/007966	24.01.2020	27.02.2021	7th yr
AP 4855	AP/P/2014/007972	30.01.2020	28.02.2021	8th yr
AP 4375	AP/P/2014/007984	24.01.2020	12.03.2021	7th yr
AP 4100	AP/P/2014/008149	24.01.2020	15.03.2021	7th yr
AP 4445	AP/P/2015/008193	17.01.2020	29.01.2021	10th yr
AP 3951	AP/P/2015/008256	17.01.2020	04.02.2021	5th yr
AP 4582	AP/P/2015/008317	24.01.2020	15.03.2021	7th yr
AP 4765	AP/P/2015/008358	08.01.2020	07.01.2021	7th yr
AP 4790	AP/P/2015/008527	05.02.2020	11.02.2021	10th yr
AP 4678	AP/P/2015/008584	24.01.2020	07.02.2021	6th yr
AP 4397	AP/P/2015/008696	17.01.2020	05.03.2021	6th yr
AP 4353	AP/P/2015/008705	17.01.2020	07.03.2021	6th yr
AP 4865	AP/P/2015/008717	06.02.2020	28.02.2021	6th yr
AP 4730	AP/P/2015/008721	17.01.2020	10.03.2021	6th yr
AP 4908	AP/P/2015/008722	17.01.2020	10.03.2021	6th yr
AP 4735	AP/P/2015/008740	24.01.2020	13.03.2021	6th yr
AP 4596	AP/P/2015/008748	06.02.2020	27.02.2021	6th yr
AP 4925	AP/P/2016/009278	04.02.2020	06.01.2021	5th yr
AP 4873	AP/P/2016/009376	24.01.2020	16.03.2021	5th yr
AP 4877	AP/P/2016/009428	31.01.2020	19.03.2021	5th yr
AP 4592	AP/P/2016/009452	24.01.2020	13.03.2021	5th yr
AP 4968	AP/P/2016/009458	31.01.2020	26.02.2021	5th yr
AP 4842	AP/P/2018/011134	27.01.2020	28.02.2021	2nd yr

UTILITY MODELS

Utility Model Applications Filed

(21) AP/U/2020/000177
(22) 24.02.2020
(23) 24.02.2020
(51) **A24B 3/04 (2015.01)**
A24B 3/12 (2015.01)
A24B 15/18 (2015.01)
F22B 7/00 (2015.01)
A24B 3/00 (2015.01)
A24B 3/06 (2015.01)
(54) LOW COST TOBBACCO CONDITIONER
(74) CHIPADZE Luis F
(75) CHIPADZE Luis F
(84) MZ, TZ, ZM, ZW
(96) 24.02.2020 AP/U/2020/000177

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(21) AP/U/2020/000178
(22) 25.02.2020
(23) 25.02.2020
(51) **A47J 37/07 (2006.01)**
(54) AN APPARATUS FOR HEATING FOR PURPOSES OF COOKING, BAKING, GRILLING AND WARMING
(71) BIZNVEST (PRIVATE) LIMITED
(72) CHIKUKUZA Aaron
(74) TEMBO Elijah
(84) MZ, ZW
(96) 25.02.2020 AP/U/2020/000178

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Utility Model Applications Pending Registration

(21) AP/U/2015/000048
(22) 11.06.2015
(23) 06.02.2020
(51) **A01G 9/12 (2006.01)**
A01G 31/00 (2006.01)
(54) HYDROPONIC GROWTH FORMULA, APPARATUS, AND METHOD
(74) RUTENBERG Isaac
(84) KE, RW, TZ, UG, ZW

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Utility Model Applications Abandoned/ Lapsed/ Withdrawn

(21) AP/U/2015/000059
(22) 23.11.2015
(23) 23.05.2018
(51) **F24B 1/00 (2006.01)**
(54) JIKO STOVE & HEATER
(74) MAKOVAH Vimbiso Desmond
(75) MAKOVAH Tsitsi, LUPWISHI Patrick and MAKOVAH Vimbiso Desmond
(84) ZW

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(21) AP/U/2015/000060
(22) 17.12.2015
(23) 17.06.2017
(51) **B01D 3/10 (2006.01)**
C02F 1/00 (2006.01)
(54) WASTE SELECTOR PLANT
(74) MUNENGE Thomas
(75) MUNENGE Thomas
(84) BW, KE, MW, MZ, ZM

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(21) AP/U/2016/000061
(22) 16.02.2016
(23) 16.08.2017
(51) **A01K 39/012 (2006.01)**
(54) AUTOMATED CHICKEN FEEDING MACHINE SMALL MODEL
(74) MASUKU Bongani Ricky
(75) MASUKU Bongani Ricky
(84) KE, UG, ZW

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(21) AP/U/2016/000062
(22) 16.02.2016
(23) 16.08.2017
(51) **A01K 39/012 (2006.01)**
(54) CHICKEN FEEDING MACHINE COMMERCIAL SCALE MODEL
(74) MASUKU Bongani Ricky
(75) MASUKU Bongani Ricky
(84) KE, UG, ZW

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Utility Model Applications Abandoned/ Lapsed/ Withdrawn (Contd.)

(21) AP/U/2016/000063
(22) 16.02.2016
(23) 16.08.2018
(51) **C02F 1/00 (2006.01)**
A01N 33/00 (2006.01)
A01N 59/00 (2006.01)
(54) A KRAFT PULPING AND CONVEYOR DRYING TECHNOLOGY FOR THE PRODUCTION OF PAPER PULP AND VIRGIN PAPER FROM SUGAR CANE BAGASSE
(71) HARARE INSTITUTE OF TECHNOLOGY
(72) MANYUCHI Musaida Mercy and CHIWANGA Auxilliah Tafadzwa
(74) CHANAKIRA Maxwell
(84) ZW

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(21) AP/U/2016/000064
(22) 16.02.2016
(23) 16.08.2017
(51) **B03C 1/00 (2006.01)**
B02C 17/00 (2006.01)
B02C 21/00 (2006.01)
(54) BAMBAZONKE BALL MILL
(74) WILLIAMS Wayne David
(75) WILLIAMS Wayne David
(84) GH, MZ, SD, TZ, ZM, ZW

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(21) AP/U/2016/000065
(22) 23.02.2016
(23) 23.08.2017
(51) **A47J 37/06 (2006.01)**
(54) AN INTEGRATED PROCESS FOR MOTOCHARCOAL BRIQUETTES PRODUCTION
(74) MANYUCHI Musaida Mercy
(75) MANYUCHI Musaida Mercy
(84) ZW

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Utility Model Applications Renewed

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/U/2018/000112	17.02.2020	20.02.2021	2nd yr
AP/U/2018/000138	01.01.2020	11.12.2020	5th yr
AP/U/2019/000162	17.02.2020	30.05.2021	1st yr

DESIGNS

Design Applications Filed

(21) AP/D/2020/001443
(22) 05.02.2020
(51) **26-03 (11)**
(54) STREET LAMPS
(71) BLACK GOLD ENGINEERING (PTY) LTD
(72) DA FONSECA Pedro Agostinho
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/D/2020/001444
(22) 10.02.2020
(51) **23-02 (11)**
(54) TOILET ENCLOSURE
(71) CREST SOLAR (PTY) LTD
(72) DE VILLIERS Jacques de Klerk
(74) SAMURIWO ATTORNEYS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

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(21) AP/D/2020/001445
(22) 13.02.2020
(31) 201914574
(32) 14.08.2019 (33) AU
(51) **23-01 (11)**
(54) LIQUID INTAKE
(71) TURRET IP PTY LTD
(72) MCDONALD Angus William and HAIR Robert Bruce
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH

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(21) AP/D/2020/001446
(22) 13.02.2020
(31) 201914574
(32) 14.08.2019 (33) AU
(51) **23-01 (11)**
(54) LIQUID INTAKE
(71) TURRET IP PTY LTD
(72) MCDONALD Angus William and HAIR Robert Bruce
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH

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(21) AP/D/2020/001447
(22) 14.02.2020
(31) F2019/01620
(32) 30.10.2019 (33) ZA
(51) **12-02 (11)**
(54) WHEELBARROW
(74) HONEY & BLANCKENBERG
(75) VERWEY Phillipus Martienus
(84) BW, LS, MZ, NA, SZ, ZM, ZW

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(21) AP/D/2020/001448
(22) 19.02.2020
(51) **19-02 (11)**
(54) FILING FOLDER WITH HANG-ON DIVIDER
(74) B MATANGA IP ATTORNEYS
(75) NYAMUNDA James
(84) ZW

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(21) AP/D/2020/001449
(22) 19.02.2020
(31) A2019/01437
(32) 27.09.2019 (33) ZA
(51) **31-00 (11)**
(54) FOOD DRIERS
(71) HOME OF LIVING BRANDS (PTY) LTD
(72) HARRIPARSADH Nishaan
(74) ENSafrica Namibia
(84) BW, LS, MW, MZ, NA, SZ, TZ, ZM, ZW

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(21) AP/D/2020/001450
(22) 20.02.2020
(51) **15-04 (11)**
(54) PANDAS CONVEYER BELT ROLLER
(74) MUPANDAWANA Aaron
(75) MUPANDAWANA Aaron
(84) ZW

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Design Applications Renewed

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/D/2019/001364	20.01.2020	26.01.2021	1st yr
AP/D/2019/001367	10.02.2020	18.02.2021	1st yr
AP/D/2019/001371	31.01.2020	07.02.2021	1st yr
AP/D/2020/001435	30.01.2020	07.01.2022	1st yr

Designs Registered

FORM 25	(12) DESIGN	(19) AP/D

(11) **Design No :** AP/D/01092

(21) **Application No :** AP/D/2019/001373

(22) **Filing Date :** 29.03.2019

(24) **Registration Date:** 02/02/2020

(30) **Priority Data**
(33) Country (31) Number (32) Date

(84) **Designated States:**
KE RW TZ UG

(73) **Applicant(s)**
UMOJA RUBBER PRODUCTS LTD, P.O. Box 452-80109, Mtwapa, Mombasa, Malindi Road, Kikambala, Kenya

(72) **Creators**
SHAH Jinal, Kenya

(74) **Representative**
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) **International Classification :** 02-04

(54) **Title**
SWEETY (SANDAL SOLE)



Designs Registered (Contd.)

FORM 25	(12) DESIGN	(19) AP/D

(11) Design No : AP/D/01093

(21) Application No : AP/D/2019/001374

(22) Filing Date : 25.01.2019

(24) Registration Date: 02/02/2020

(30) Priority Data
(33) Country **(31) Number** **(32) Date**

(84) Designated States:
GH ZW

(73) Applicant(s)
MOOLCHANDANI Vijay K, P. O. Box 11395, Accra North, H/No. E702 Kojo Thompson Road, Opp. Standard Charted Bank, Tudu Accra, Ghana

(72) Creators
MOOLCHANDANI Vijay K, Ghana

(74) Representative
MOOLCHANDANI Vijay K, Ghana

(51) International Classification : 09-01

(54) Title
HEAVEN STAR U SHAPE AIR FRESHENER AND INSECT REPELLENT



Designs Registered (Contd.)

FORM 25	(12) DESIGN	(19) AP/D

(11) Design No : AP/D/01094

(21) Application No : AP/D/2019/001362

(22) Filing Date : 11.01.2019

(24) Registration Date: 22/02/2020

(73) Applicant(s)
VECTO TRADE 461 PROPRIETARY LIMITED, Lasher Building, 3 Sigma Road, Industries West, Germiston 1401, Gauteng Province, South Africa

(30) Priority Data

(33) Country	(31) Number	(32) Date
ZA	A2018/01157	25.07.2018

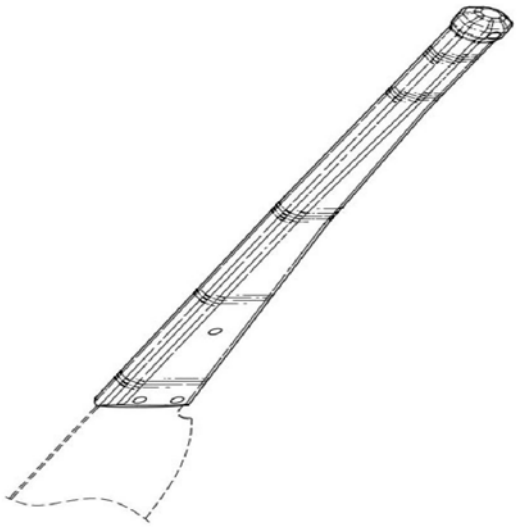
(72) Creators
HALSTED Charles William, South Africa

(84) Designated States:
BW GH GM KE LR LS MW
MZ NA RW SD SL ST SZ
TZ UG ZM ZW

(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : 08-06

(54) Title
HANDLES FOR HAND IMPLEMENTS OR CUTTING TOOLS



Designs Registered (Contd.)

FORM 25	(12) DESIGN	(19) AP/D

(11) **Design No :** AP/D/01095

(21) **Application No :** AP/D/2018/001320

(22) **Filing Date :** 29.08.2018

(24) **Registration Date:** 26/02/2020

(30) **Priority Data**
(33) Country (31) Number (32) Date

(84) **Designated States:**
BW GH GM KE LR LS MW
MZ NA RW SD SL ST UG
ZM ZW

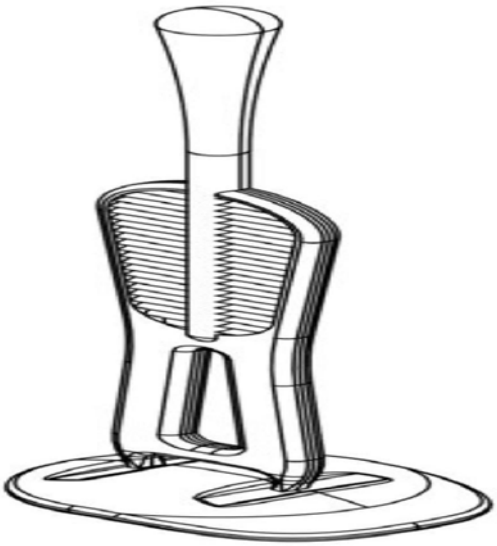
(73) **Applicant(s)**
INNOVATIVE MEDICAL TECHNOLOGY (PTY) LTD, 1 Hanover Road, Fresnaye, 8005, South Africa

(72) **Creators**
PARKER Cyril Norman, South Africa
PARKER Elisabeth Regina, South Africa
WISEMAN David Christopher, South Africa
et al

(74) **Representative**
ROLAND INTELLECTUAL PROPERTY CONSULTANTS, Namibia

(51) **International Classification :** 24-02

(54) **Title**
CIRCUMCISION ASSISTANCE DEVICE



Designs Registered (Contd.)

FORM 25	(12) DESIGN	(19) AP/D

(11) Design No : AP/D/01096

(21) Application No : AP/D/2018/001305

(22) Filing Date : 06.08.2018

(24) Registration Date: 27/02/2020

(30) Priority Data

(33) Country	(31) Number	(32) Date
CN	201830142000.4	10.04.2018

(84) Designated States:

BW GH GM KE LR LS MW
MZ NA RW SD SL ST UG
ZM ZW

(73) Applicant(s)

BEIJING HANERGY SOLAR POWER INVESTMENT CO., LTD., No.5, Fengxiang East Street, Yangsong Town, Huairou District, Beijing 101499, Peoples Republic of China

(72) Creators

JIANG Jinsheng, Peoples Republic of China

SUN Lei, Peoples Republic of China

(74) Representative

FISHER CORMACK & BOTHA, Malawi

(51) International Classification : 03-01

(54) Title

Umbrella



Designs Registered (Contd.)

FORM 25	(12) DESIGN	(19) AP/D

(11) **Design No :** AP/D/01097

(21) **Application No :** AP/D/2019/001363

(22) **Filing Date :** 11.01.2019

(24) **Registration Date:** 27/02/2020

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
ZA	A2018/01159	25.07.2018

(84) **Designated States:**

BW GH GM KE LR LS MW
MZ NA RW SD SL ST SZ
TZ UG ZM ZW

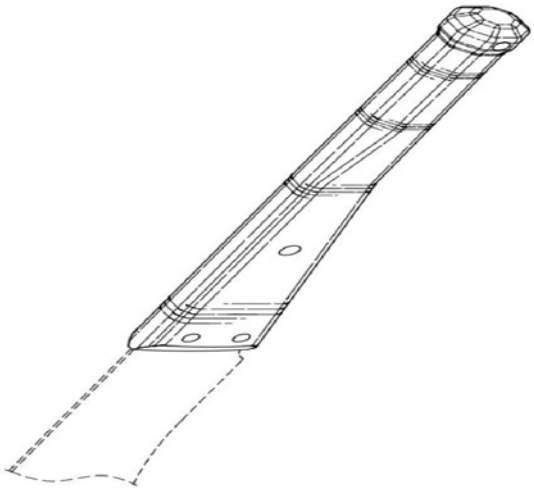
(73) **Applicant(s)**
VECTO TRADE 461 PROPRIETARY LIMITED, Lasher Building, 3 Sigma Road, Industries West, Germiston 1401, Gauteng Province, South Africa

(72) **Creators**
HALSTED Charles William, South Africa

(74) **Representative**
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) **International Classification :** 08-06

(54) **Title**
HANDLES FOR HAND IMPLEMENTS OR CUTTING TOOLS



Designs Renewed

Design No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP/D/00313	AP/D/2012/000431	31.01.2020	28.02.2021	8th yr
AP/D/00535	AP/D/2013/000579	27.01.2020	20.02.2021	7th yr
AP/D/00612	AP/D/2014/000804	27.01.2020	10.02.2021	6th yr
AP/D/00634	AP/D/2014/000803	17.01.2020	11.02.2021	6th yr
AP/D/00643	AP/D/2014/000813	27.01.2020	28.02.2021	6th yr
AP/D/00753	AP/D/2015/000970	27.01.2020	23.02.2021	5th yr
AP/D/00839	AP/D/2016/001081	27.01.2020	11.02.2021	4th yr
AP/D/00841	AP/D/2016/001084	27.01.2020	11.02.2021	4th yr
AP/D/00845	AP/D/2016/001082	27.01.2020	11.02.2021	4th yr
AP/D/00846	AP/D/2016/001085	27.01.2020	11.02.2021	4th yr
AP/D/00847	AP/D/2016/001087	27.01.2020	11.02.2021	4th yr
AP/D/00938	AP/D/2017/001162	24.01.2020	30.01.2021	3rd yr
AP/D/00939	AP/D/2017/001163	24.01.2020	30.01.2021	3rd yr
AP/D/00940	AP/D/2017/001164	24.01.2020	30.01.2021	3rd yr
AP/D/00941	AP/D/2017/001165	24.01.2020	30.01.2021	3rd yr
AP/D/00942	AP/D/2017/001166	24.01.2020	30.01.2021	3rd yr
AP/D/00943	AP/D/2017/001167	24.01.2020	30.01.2021	3rd yr
AP/D/00965	AP/D/2017/001170	15.01.2020	03.02.2021	3rd yr
AP/D/00998	AP/D/2018/001250	24.01.2020	31.01.2021	2nd yr
AP/D/00999	AP/D/2018/001251	24.01.2020	31.01.2021	2nd yr
AP/D/01010	AP/D/2018/001254	31.01.2020	18.03.2021	2nd yr
AP/D/01011	AP/D/2018/001255	31.01.2020	18.03.2021	2nd yr
AP/D/01012	AP/D/2018/001256	31.01.2020	18.03.2021	2nd yr
AP/D/01013	AP/D/2018/001257	31.01.2020	18.03.2021	2nd yr
AP/D/01028	AP/D/2018/001272	31.01.2020	24.04.2021	2nd yr
AP/D/01071	AP/D/2018/001324	31.01.2020	25.09.2020	1st yr
AP/D/01073	AP/D/2015/000954	17.01.2020	23.01.2021	5th yr
AP/D/01090	AP/D/2018/001252	17.01.2020	05.03.2021	2nd yr

SEARCH REQUESTS FILED

Search No.	Request Date	Originating State	Type	Requester's Name	Subject
SR03226/UG	25/09/2013	UG	State-of the-art-searches	REGISTRAR OF PATENTS - UGANDA	Search and substantive examination of patent application No. UG/P/2013/000008 in the name of SEL ELECTRIC COMPANY LIMITED
SR04296/UG	05/06/2017	UG	Substantive Examination	UGANDA REGISTRATION SERVICES BUREAU	Substantive examination for patent application No. UG/P/2017/00004 in the name of THE NAME OF KARUGABA IVAN JUNIOR
SR05270/MZ	23/01/2020	MZ		ADAMS AND ADAMS MOZAMBIQUE	Freedom to Operate search in ARIPO
SR05273/KE	22/01/2020	KE	SDI	Mwale & Company Advocates	Trademark Registration Application Number AP/M/2018/003470 "TEIKIN" Designating Ten Countries
SR05281/MZ	30/01/2020	MZ	Bibliographic data-including status	ADAMS AND ADAMS MOZAMBIQUE	PATENT & DESIGN NAME SEARCHES AT ARIPO
SR05283/IN	03/02/2020	IN	SDI	BAHIRAO VRUSHALI	FILING of TRADEMARK/S - ZIMBABWE
SR05284/GH	03/02/2020	GH	SDI	ABENA ABENA	Information regarding certfication marks if can be registered at ARIPO
SR05285/ET	31/01/2020	ET	SDI	ASLA GONCA	Information regarding trademark registration in Ethopia
SR05287/ZM	31/01/2020	ZM	SDI	SILWAMBA NTASI	Quetions regarding filing of patents proceduer and fee schedule
SR05288/ZW	04/02/2020	ZW	SDI	CEDRIC STEELE	Information relating to patents and Trademarks requirements
SR05289/LR	04/02/2020	LR		TUBMAN ALFRED	Information regarding title of Patent Application No. AP/P/2014/007881
SR05291/NA	07/02/2020	NA	SDI	ROLAND INTELLECTUAL PROPERTY CONSULTANTS	Information regarding trademark registration
SR05292/UG	07/02/2020	UG	SDI	NANYONJO ERON GRACE	REQUEST TO CONDUCT A REGIONAL TRADE MARK SEARCH WITH ARIPO FOR SOMA LOGO
SR05293/ET	06/02/2020	ET		FIKRU ELIAS	Requesting information on how to become ARIPO IP Agent on the website
SR05294/TZ	07/02/2020	TZ	Bibliographic data-including status	DONALDSON & WOOD	CONVERSION OF AN INTERNATIONAL PATENT APPLICATION INTO UTILITY MODEL.
SR05295/KR	07/02/2020	KR	Copies of documents	LEE YOOJUN	Request for a copy of Form No. M 15
SR05296/MW	07/02/2020	MW	Bibliographic data-including status	FISHER CORMACK & BOTHA	Enquiry - Exhibitions and Grace Period [SPOORCases.J572374. GM500501]
SR05297/SZ	10/02/2020	SZ	SDI	REGISTRAR OF PATENTS - SWAZILAND	Application Designations of Eswatini in 2019
SR05299/MZ	07/02/2020	MZ	SDI	VIAGEM SALOMAO	Registration Information and fee schedule Trademarks
SR05300/ZW	10/02/2020	ZW		BVEKERWA TASHINGA	Request for procedure to register as an IP Agent
SR05301/ZW	12/02/2020	ZW	SDI	MUTEPFA RUFARO	Request regarding requirements and application fees for trademarks
SR05302/UG	12/02/2020	UG	Bibliographic data-including status	UGANDA REGISTRATION SERVICES BUREAU	Request for Clarification in respect to trademark no. AP/M/2006/000450

SEARCH REQUESTS FILED (Contd.)

Search No.	Request Date	Originating State	Type	Requester's Name	Subject
SR05303/SO	13/02/2020	SO	Information about ARIPO	ISMAIL SAED	Listing on the ARIPO website
SR05304/ZW	17/02/2020	ZW	Information about ARIPO	TIRIVANHU KNOWLEDGE	Information about IP Rights protection
SR05306/SG	17/02/2020	SG	Bibliographic data-including status	Secure International Holdings Pte. Ltd	Information regarding patent renewal online
SR05307/TZ	18/02/2020	TZ	SDI	Eden Law Chambers	TRADEMARK SEARCH IN ARIPO (NAME AND LOGO)
SR05310/US	19/02/2020	US	Bibliographic data-including status	Computer Packages Inc.	Status Update: AP/P/2018/011078 and AP/P/2019/011624
SR05311/UG	19/02/2020	UG		DANIEL ANGUALIA	Request to be listed on IP Agent website
SR05312/NA	20/02/2020	NA		ROLAND INTELLECTUAL PROPERTY CONSULTANTS	Availability search in respect of word FLEETS
SR05313/ZW	21/02/2020	ZW	Bibliographic data-including status	JAMBO LEGAL PRACTICE	Trademark recordals
SR05314/CN	24/02/2020	CN	Information about ARIPO	TINGRU WANG	Renewal update of Mark application AP/M/2006/000364
SR05315/	25/02/2020		Information about ARIPO	RWANDA DEVELOPMENT BOARD	Formality Requirements of a Utility Model Application

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