ARIPO JOURNAL

The Official Industrial Property Journal of ARIPO

Vol. XXXIX, No. 11

30 November 2022

Published Monthly
By the ARIPO Office

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 any of the ARIPO Protocols already in force. 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 and Mauritius.

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	
Cape Verde	14.07.2022	14.10.2022	14.10.2022	14.10.2022	14.07.2022
eSwatini	17.12.1987	17.03.1988	06.03.1997		
The Gambia	15.02.1978	16.01.1986	03.08.2021	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	
Mauritius	25.09.2020				
Mozambique	08.02.2000	08.05.2000	15.08.2020		
Namibia	14.10.2003	23.04.2004	14.01.2004	11.02.2015	
Rwanda	24.06.2011	24.09.2011		16.07.2012	07.06.2019
Sào Tomé and Príncipe	19.05.2014	19.08.2014	27.02.2016		29.09.2020
Seychelles	01.10.2021	01.01.2022			
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>.

CONTENTS

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
(511)	Symbol of the Nice Class
(540)	Description of the mark
(580)	Date of recorded change
(731)	Applicant's name
(740)	Representative's name
(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)
(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)
(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
(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
(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
BW	Botswana
CH	Switzerland
CN	China
CV	Cape Verde
DE	Germany
EE	Estonia
EP	European Patent Office
FR	France
GB	United Kingdom
GH	Ghana
GM	The Gambia
IN	India
JP	Japan
KE	Kenya
LR	Liberia
LS	Lesotho
MW	Malawi
MZ	Mozambique
NA	Namibia
OA	African Intellectual Property Organization (OAPI)
RU	Russian Federation
RW	Rwanda
SC	Seychelles
SD	Sudan
SK	Slovakia
SL	Sierra Leone
ST	Sào Tomé and Príncipe
SZ	Eswatini
TZ	United Republic of Tanzania
UA	Ukraine
UG	Uganda
US	United States of America
WO	World Intellectual Property Organization (WIPO) (International Bureau of)
ZA	South Africa
ZM	Zambia
ZW	Zimbabwe

MARKS

Mark Applications Filed

(210) AP/M/2022/005405
(220) 01.11.2022
(511) Int. Cl. 29: ZW
(731) DOBSAI INVESTMENTS
(740) SAIDI Gerald
(814) ZW
(540)


●●

(210) AP/M/2022/005406
(220) 01.11.2022
(511) Int. Cl. 3: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) STERLING PERFUMES INDUSTRIES (L.L.C.)
(740) Cronjé & Co.
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) ARMAF

●●

(210) AP/M/2022/005407
(220) 02.11.2022
(511) Int. Cl. 21: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) WEN Jianping
(740) Cronjé & Co.
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) **ecoco**

●●

(210) AP/M/2022/005408
(220) 02.11.2022
(511) Int. Cl. 38 and 41: ZW
(731) RCN TELEVISIÓN S.A.
(740) CLAIRWOOD CHAMBERS
(814) ZW
(540) DISTRIBUTION

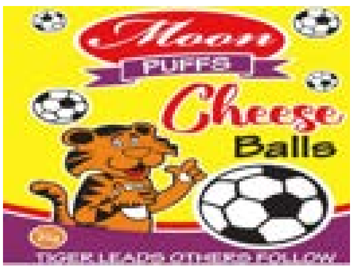
●●

(210) AP/M/2022/005409
(220) 02.11.2022
(511) Int. Cl. 38 and 41: ZW
(731) RCN TELEVISIÓN S.A.
(740) CLAIRWOOD CHAMBERS
(814) ZW
(540) ESTUDIOS

●●

(210) AP/M/2022/005410
(220) 03.11.2022
(511) Int. Cl. 30: BW, GM, LR, LS, MZ, NA, ST, SZ, TZ, UG, ZW
(731) TOUFIQ BILAL LIMBADA t/a MOON PUFFS
(740) FRANK FAROUK MBETA t/a MBETA AND CO. ATTORNEYS-AT-LAW
(814) BW, GM, LR, LS, MZ, NA, ST, SZ, TZ, UG, ZW
(540)


●●

(210) AP/M/2022/005411
(220) 04.11.2022
(511) Int. Cl. 30: BW, GM, LR, LS, MZ, NA, ST, SZ, TZ, UG, ZW
(731) TOUFIQ BILAL LIMBADA t/a MOON PUFFS
(740) FRANK FAROUK MBETA t/a MBETA AND CO. ATTORNEYS-AT-LAW
(814) BW, GM, LR, LS, MZ, NA, ST, SZ, TZ, UG, ZW
(540)


●●

(210) AP/M/2022/005412
(220) 04.11.2022
(511) Int. Cl. 30: BW, GM, LR, LS, MZ, NA, ST, SZ, TZ, UG, ZW
(731) TOUFIQ BILAL LIMBADA t/a MOON PUFFS
(740) FRANK FAROUK MBETA t/a MBETA AND CO. ATTORNEYS-AT-LAW
(814) BW, GM, LR, LS, MZ, NA, ST, SZ, TZ, UG, ZW
(540)


●●

(210) AP/M/2022/005413
(220) 04.11.2022
(511) Int. Cl. 30: BW, GM, LR, LS, MZ, NA, ST, SZ, TZ, UG, ZW
(731) TOUFIQ BILAL LIMBADA t/a MOON PUFFS
(740) FRANK FAROUK MBETA t/a MBETA AND CO. ATTORNEYS-AT-LAW
(814) BW, GM, LR, LS, MZ, NA, ST, SZ, TZ, UG, ZW
(540)


●●

▶

Mark Applications Filed (Contd.)

(210) AP/M/2022/005414
(220) 04.11.2022
(511) Int. Cl. 30: BW, GM, LR, LS, MZ, NA, ST, SZ, TZ, UG, ZW
(731) TOUFIQ BILAL LIMBADA t/a MOON PUFFS
(740) FRANK FAROUK MBETA t/a MBETA AND CO. ATTORNEYS-AT-LAW
(814) BW, GM, LR, LS, MZ, NA, ST, SZ, TZ, UG, ZW
(540) 

●●

(210) AP/M/2022/005415
(220) 07.11.2022
(511) Int. Cl. 39: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) SIZECHUNK IMPORT AND EXPORT P/L t/a SCIX
(740) POST Tendai
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) SIX

●●

(210) AP/M/2022/005416
(220) 07.11.2022
(511) Int. Cl. 30: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) SOPH'S ENTERPRISES PRIVATE LIMITED t/a COFFEE REPUBLIK
(740) POST Tendai
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) Coffee REPUBLIK

●●

(210) AP/M/2022/005417
(220) 07.11.2022
(511) Int. Cl. 5 and 29: CV, ST, TZ, UG
(731) PHARMALYS LABORATORIES
(740) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(814) CV, ST, TZ, UG
(540) **PRIMALAC ULTIMA**

●●

(210) AP/M/2022/005418
(220) 07.11.2022
(511) Int. Cl. 41: BW, ZW
(731) ONCE UPON ANOTHER TIME (PTY) LTD
(740) FERRAO LAW CHAMBERS
(814) BW, ZW
(540) **SIMPLY WILD ABOUT LEARNING**

●●

(210) AP/M/2022/005419
(220) 07.11.2022
(511) Int. Cl. 3: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) NASEEM AL HADAEQ PERFUMES LLC
(740) Cronjé & Co.
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) مريم
Maryam

●●

(210) AP/M/2022/005420
(220) 07.11.2022
(511) Int. Cl. 5: MZ
(731) GETZ PHARMA INTERNATIONAL FZ LLC
(740) Cronjé & Co.
(814) MZ
(540) **Gabica**

●●

(210) AP/M/2022/005421
(220) 07.11.2022
(511) Int. Cl. 5: MZ
(731) GETZ PHARMA INTERNATIONAL FZ LLC
(740) Cronjé & Co.
(814) MZ
(540) **Pantra**

●●

(210) AP/M/2022/005422
(220) 07.11.2022
(511) Int. Cl. 5: MZ
(731) GETZ PHARMA INTERNATIONAL FZ LLC
(740) Cronjé & Co.
(814) MZ
(540) **Solifen**

●●

(210) AP/M/2022/005423
(220) 07.11.2022
(511) Int. Cl. 5: MZ
(731) GETZ PHARMA INTERNATIONAL FZ LLC
(740) Cronjé & Co.
(814) MZ
(540) **Trevia**

●●

(210) AP/M/2022/005424
(220) 10.11.2022
(511) Int. Cl. 34: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) K. HANSOTIA & CO., INC.
(740) HUSSEIN RANCHHOD & CO
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) **Particularis**

●●

(210) AP/M/2022/005425
(220) 11.11.2022
(511) Int. Cl. 1 and 5: ZW
(731) WINDMILL (PRIVATE) LIMITED
(740) HONEY & BLANCKENBERG
(814) ZW
(540) 

●●

(210) AP/M/2022/005426
(220) 11.11.2022
(511) Int. Cl. 29: ZW
(731) M D DE CHASSART & SON (PRIVATE) LIMITED
(740) HONEY & BLANCKENBERG
(814) ZW
(540) surrey pecans

●●

▶

Mark Applications Filed (Contd.)

(210) AP/M/2022/005427
(220) 14.11.2022
(511) Int. Cl. 30: BW, GM, LS, MW, NA, TZ, UG, ZW
(511) Int. Cl. 30: LR, ST, SZ
(731) FARM FRESH L.L.C
(740) FISHER CORMACK & BOTHA
(814) BW, GM, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(540) Sapora

●●

(210) AP/M/2022/005428
(220) 15.11.2022
(511) Int. Cl. 30: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) TOUFIQ BILAL LIMBADA t/a MOON PUFFS
(740) FRANK FAROUK MBETA t/a MBETA AND CO. ATTORNEYS-AT-LAW
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540)

●●

(210) AP/M/2022/005429
(220) 16.11.2022
(511) Int. Cl. 3: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) KUMAR Vimal
(740) HUSSEIN RANCHHOD & CO
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) Sehnaaz

●●

(210) AP/M/2022/005430
(220) 15.11.2022
(511) Int. Cl. 29 and 35: BW, NA
(731) NATURES GARDEN (PTY) LIMITED
(740) ENSafrica Namibia
(814) BW, NA
(540) **GOLDEN HARVEST**

●●

(210) AP/M/2022/005431
(220) 15.11.2022
(511) Int. Cl. 29 and 35: BW, NA
(731) NATURES GARDEN (PTY) LIMITED
(740) ENSafrica Namibia
(814) BW, NA
(540) Golden Harvest

●●

(210) AP/M/2022/005432
(220) 17.11.2022
(511) Int. Cl. 32: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, ZW
(731) RANI REFRESHMENTS FZCO
(740) FISHER CORMACK & BOTHA
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, ZW
(540)

●●

(210) AP/M/2022/005433
(220) 17.11.2022
(511) Int. Cl. 32: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, ZW
(731) RANI REFRESHMENTS FZCO
(740) FISHER CORMACK & BOTHA
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, ZW
(540)

●●

(210) AP/M/2022/005434
(220) 17.11.2022
(511) Int. Cl. 32: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, ZW
(731) RANI REFRESHMENTS FZCO
(740) FISHER CORMACK & BOTHA
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, ZW
(540)

●●

(210) AP/M/2022/005435
(220) 18.11.2022
(511) Int. Cl. 32: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, ZW
(731) RANI REFRESHMENTS FZCO
(740) FISHER CORMACK & BOTHA
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, ZW
(540)

●●

(210) AP/M/2022/005436
(220) 21.11.2022
(511) Int. Cl. 32: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) HUSSAIN Furqan
(740) Cronjé & Co.
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) QUICE

●●

(210) AP/M/2022/005437
(220) 21.11.2022
(511) Int. Cl. 36, 37, 42 and 43: ZW
(731) CHIVAURAH Styline Gamuchirai
(740) HOBA Lawrence
(814) ZW
(540) mauya

●●

(210) AP/M/2022/005438
(220) 21.11.2022
(511) Int. Cl. 25: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) QF TRADING LLP
(740) PALLADIUM STRATEGY & IP CONSULTANTS
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) OSTRO
your perfect comfort

●●

Mark Applications Filed (Contd.)

(210) AP/M/2022/005439
(220) 21.11.2022
(511) Int. Cl. 25: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) QF TRADING LLP
(740) PALLADIUM STRATEGY & IP CONSULTANTS
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540)

●●

(210) AP/M/2022/005440
(220) 22.11.2022
(511) Int. Cl. 36: MZ, ST
(731) ECOBANK TRANSNATIONAL INCORPORATED
(740) COGHLAN, WELSH & GUEST
(814) MZ, ST
(540) ellevar

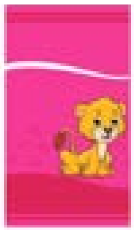
●●

(210) AP/M/2022/005441
(220) 22.11.2022
(511) Int. Cl. 36: MZ, ST
(731) ECOBANK TRANSNATIONAL INCORPORATED
(740) COGHLAN, WELSH & GUEST
(814) MZ, ST
(540) **Ellevar por Ecobank**

●●

(210) AP/M/2022/005442
(220) 22.11.2022
(511) Int. Cl. 44: BW, TZ, UG
(731) AFRICAN ASSET FINANCE COMPANY INC.
(740) Cronjé & Co.
(814) BW, TZ, UG
(540) **EASE**

●●

(210) AP/M/2022/005443
(220) 23.11.2022
(511) Int. Cl. 30: BW, NA, ZW
(731) JOEKELS TEA PACKERS (PTY) LTD
(740) ENSafrica Namibia
(814) BW, NA, ZW
(540)


●●

(210) AP/M/2022/005444
(220) 23.11.2022
(511) Int. Cl. 3, 5, 9, 35, 41 and 44: MW
(731) KUWAL PCM LIMITED
(740) KUWAL PCM LIMITED
(814) MW
(540) **KUWALA**

●●

(210) AP/M/2022/005445
(220) 24.11.2022
(511) Int. Cl. 3: BW, MW, MZ, NA, ST, ZW
(731) ARAMARA BEAUTY LLC
(740) FISHER CORMACK & BOTHA
(814) BW, MW, MZ, NA, ST, ZW
(540) **GLOW RECIPE**

●●

(210) AP/M/2022/005446
(220) 25.11.2022
(511) Int. Cl. 30: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) BAKHRESA HOLDINGS LIMITED
(740) LEXGLOBE LLP
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) AROMA

●●

(210) AP/M/2022/005447
(220) 25.11.2022
(511) Int. Cl. 30: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) BAKHRESA HOLDINGS LIMITED
(740) LEXGLOBE LLP
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) Mitchell's THE BAKERS

●●

(210) AP/M/2022/005448
(220) 25.11.2022
(511) Int. Cl. 9, 36 and 38: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) ACORN HOLDINGS PROPRIETARY LIMITED
(740) HONEY & BLANCKENBERG
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) **FIBRE TIME**

●●

(210) AP/M/2022/005449
(220) 25.11.2022
(511) Int. Cl. 35: ZW
(731) RECRUITMENT MATTERS PVT LTD
(740) SAMURIWO ATTORNEYS
(814) ZW
(540) Recruitment Matters

●●

(210) AP/M/2022/005450
(220) 28.11.2022
(511) Int. Cl. 10: BW, MW, MZ, NA, ZW
(511) Int. Cl. 16: BW, MW, MZ, NA, ZW
(511) Int. Cl. 25: BW, MW, MZ, NA, ZW
(731) ASHER GRAPHIC SOLUTIONS
(740) MAFARA Nancy
(814) BW, MW, MZ, NA, ZW
(540) ASHER

●●

(210) AP/M/2022/005451
(220) 29.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)

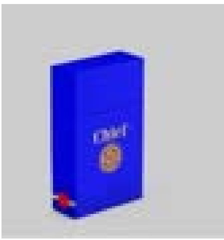

●●

▶

Mark Applications Filed (Contd.)

(210) AP/M/2022/005452
(220) 29.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005453
(220) 29.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005454
(220) 29.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005455
(220) 29.11.2022
(511) Int. Cl. 32: ZW
(731) PROBOTTLERS (PVT) LTD
(740) FERRAO LAW CHAMBERS
(814) ZW
(540) **MAMMOTH**

●●

(210) AP/M/2022/005456
(220) 29.11.2022
(511) Int. Cl. 25: TZ
(731) BECONNECTED AFRICA LIMITED
(740) HONEY & BLANCKENBERG
(814) TZ
(540) EB EUROPEAN BESTSELLER

●●

(210) AP/M/2022/005457
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005458
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005459
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005460
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005461
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

Mark Applications Filed (Contd.)

(210) AP/M/2022/005462
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005463
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005464
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540) **EXPLORER AMERICAN BLEND**

●●

(210) AP/M/2022/005465
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005466
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005467
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005468
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

(210) AP/M/2022/005469
(220) 30.11.2022
(511) Int. Cl. 34: BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(731) SHUMBA LEAF TOBACCO LIMITED
(740) Starico Attorneys
(814) BW, CV, GM, LR, LS, MW, MZ, NA, ST, SZ, UG, ZW
(540)


●●

■

Marks Assigned

(111) AP/M/2011/001139
(151) 27.03.2013
(220) 08.04.2011
(511) Int. Cl. 4: BW, LR, LS, MW, NA, SZ, TZ, UG, ZW
(511) Int. Cl. 35: BW, LR, LS, MW, NA, SZ, TZ, UG, ZW
(580) 09.09.2021
(731) G.U.D. HOLDINGS (PTY) LTD
(740) HONEY & BLANCKENBERG
(814) BW, LR, LS, MW, NA, SZ, TZ, UG, ZW
(540)

●●

(111) AP/M/2018/003419
(151) 23.08.2019
(220) 02.07.2018
(511) Int. Cl. 30: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(580) 04.11.2022
(731) Mamoori Global Distribution Limited
(740) B. W. KAHARI LEGAL PRACTITIONERS
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(540)

●●

■

Marks Pending Registration

(210) AP/M/2020/004158
(220) 03.07.2020
(511) Int. Cl. 6, 11, 17 and 19: UG
(731) TECHNOFORM CAPRANO + BRUNNHOFER GMBH
(740) HONEY & BLANCKENBERG
(814) UG
(540)

●●

(210) AP/M/2020/004159
(220) 03.07.2020
(511) Int. Cl. 6, 11, 17 and 19: UG
(731) TECHNOFORM CAPRANO + BRUNNHOFER GMBH
(740) HONEY & BLANCKENBERG
(814) UG
(540) **TECHNOFORM**

●●

(210) AP/M/2020/004160
(220) 03.07.2020
(511) Int. Cl. 6, 11, 17 and 19: UG
(731) TECHNOFORM CAPRANO + BRUNNHOFER GMBH
(740) HONEY & BLANCKENBERG
(814) UG
(540)

●●

(210) AP/M/2021/004565
(220) 05.07.2021
(511) Int. Cl. 1, 17 and 19: NA
(731) LUBRIZOL ADVANCED MATERIALS, INC.
(740) B. W. KAHARI LEGAL PRACTITIONERS
(814) NA
(540)

●●

(210) AP/M/2021/004595
(220) 05.08.2021
(511) Int. Cl. 25: BW, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) DOSE OF COLORS, INC.
(740) HUSSEIN RANCHHOD & CO
(814) BW, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) **UNLABELED**

●●

(210) AP/M/2021/004613
(220) 17.08.2021
(511) Int. Cl. 1, 2, 4, 5, 16, 17 and 19: TZ, UG
(731) HELIOS TOVARNA BARV, LAKOV IN UMETNIH SMOL KOLIČEVO, D.O.O.
(740) HONEY & BLANCKENBERG
(814) TZ, UG
(540) **KANSAI HELIOS**

●●

(210) AP/M/2021/004614
(220) 17.08.2021
(511) Int. Cl. 1, 2, 4, 5, 16, 17 and 19: TZ, UG
(731) HELIOS TOVARNA BARV, LAKOV IN UMETNIH SMOL KOLIČEVO, D.O.O.
(740) HONEY & BLANCKENBERG
(814) TZ, UG
(540)

●●

(210) AP/M/2021/004774
(220) 12.11.2021
(511) Int. Cl. 9: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) PHOCOS AG
(740) GALLOWAY & COMPANY
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540)

●●

▶

Marks Pending Registration (Contd.)

(210) AP/M/2021/004780
(220) 16.11.2021
(511) Int. Cl. 5: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) PFIZER INC.
(740) B. W. KAHARI LEGAL PRACTITIONERS
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) **PAXLOVID**

●●

(210) AP/M/2021/004799
(220) 24.11.2021
(511) Int. Cl. 5: ZW
(731) TROIKAA PHARMACEUTICALS LIMITED
(740) HONEY & BLANCKENBERG
(814) ZW
(540) **BUPITROY**

●●

(210) AP/M/2021/004815
(220) 01.12.2021
(511) Int. Cl. 30: LS, MW, MZ, TZ
(731) TRADE KINGS LIMITED
(740) TRADE KINGS ZIMBABWE (PVT.) LIMITED
(814) LS, MW, MZ, TZ
(540) **BUBBLE KING**

●●

(210) AP/M/2021/004821
(220) 03.12.2021
(511) Int. Cl. 5 and 42: ZW
(731) AGIOS PHARMACEUTICALS, INC.
(740) B. W. KAHARI LEGAL PRACTITIONERS
(814) ZW
(540) **AGIOS**

●●

(210) AP/M/2021/004822
(220) 03.12.2021
(511) Int. Cl. 5 and 42: ZW
(731) AGIOS PHARMACEUTICALS, INC.
(740) B. W. KAHARI LEGAL PRACTITIONERS
(814) ZW
(540)

●●

(210) AP/M/2021/004830
(220) 10.12.2021
(511) Int. Cl. 36: ZW
(731) HOMWE YAKO HOLDINGS (PRIVATE) LIMITED
(740) HOMWE YAKO HOLDINGS (PRIVATE) LIMITED
(814) ZW
(540) **HOMWE YAKO**

●●

(210) AP/M/2021/004840
(220) 14.12.2021
(511) Int. Cl. 5: LR, MW, ST
(731) PFIZER INC.
(740) B. W. KAHARI LEGAL PRACTITIONERS
(814) LR, MW, ST
(540)

●●

(210) AP/M/2021/004841
(220) 14.12.2021
(511) Int. Cl. 5: BW, LR, MW, MZ, NA, ST, ZW
(731) PFIZER INC.
(740) B. W. KAHARI LEGAL PRACTITIONERS
(814) BW, LR, MW, MZ, NA, ST, ZW
(540) **PFIZER**

●●

(210) AP/M/2021/004842
(220) 15.12.2021
(511) Int. Cl. 9, 16, 35 and 41: BW, MW, MZ, NA, ST, ZW
(731) THE TRICONTINENTAL PAN AFRICA NPC
(740) ENSafrica Namibia
(814) BW, MW, MZ, NA, ST, ZW
(540) **INKANI BOOKS**

●●

(210) AP/M/2021/004843
(220) 15.12.2021
(511) Int. Cl. 5: BW, LR, MW, MZ, NA, ST, ZW
(731) PFIZER INC.
(740) B. W. KAHARI LEGAL PRACTITIONERS
(814) BW, LR, MW, MZ, NA, ST, ZW
(540) **XELJANZ**

●●

(210) AP/M/2021/004844
(220) 15.12.2021
(511) Int. Cl. 5: BW, LR, MW, MZ, NA, ST, ZW
(731) PFIZER INC.
(740) B. W. KAHARI LEGAL PRACTITIONERS
(814) BW, LR, MW, MZ, NA, ST, ZW
(540) **IBRANCE**

●●

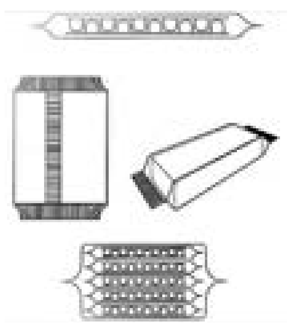
(210) AP/M/2021/004846
(220) 16.12.2021
(511) Int. Cl. 34: BW, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) KHAIRAT AL MINAFIE CO FOR TRANSPORT AND GENERAL TRADING
(740) B. W. KAHARI LEGAL PRACTITIONERS
(814) BW, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) **MAN ROYALS INTERNATIONAL**

●●

(210) AP/M/2021/004858
(220) 23.12.2021
(511) Int. Cl. 4: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) GLOBAL LUBRICANT INDUSTRY L.L.C.
(740) Cronjé & Co.
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(540)

●●

(210) AP/M/2021/004865
(220) 23.12.2021
(511) Int. Cl. 16 and 34: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) K61 BLAZER INVESTMENTS (PROPRIETARY) LIMITED
(740) HUSSEIN RANCHHOD & CO
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540)



●●

Marks Pending Registration (Contd.)

(210) AP/M/2022/004870
(220) 07.01.2022
(511) Int. Cl. 5 and 44: ZW
(731) PAN AFRICA HEALTH & WELLNESS P/L t/a LIFENITY INTERNATIONAL
(740) MATARE Lashmar
(814) ZW
(540) LIFENITY INTERNATIONAL

●●

(210) AP/M/2022/004874
(220) 14.01.2022
(511) Int. Cl. 32: MW, ZW
(731) BIGTREE BEVERAGES LIMITED
(740) TRADE KINGS ZIMBABWE (PVT.) LIMITED
(814) MW, ZW
(540) **BLK PUMA**

●●

(210) AP/M/2022/004876
(220) 14.01.2022
(511) Int. Cl. 3, 29, 30 and 32: MW, ZW
(731) BIGTREE BEVERAGES LIMITED
(740) TRADE KINGS ZIMBABWE (PVT.) LIMITED
(814) MW, ZW
(540) **TIK TOK**

●●

(210) AP/M/2022/004893
(220) 25.01.2022
(511) Int. Cl. 9 and 41: BW, GM, LR, MW, MZ, NA, ST, ZW
(731) PARLOPHONE RECORDS LIMITED
(740) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(814) BW, GM, LR, MW, MZ, NA, ST, ZW
(540) **PARLOPHONE**

●●

(210) AP/M/2022/004894
(220) 26.01.2022
(511) Int. Cl. 17: TZ, UG
(731) SHUEN YUE INDUSTRIAL CO., LTD.
(740) FERRAO LAW CHAMBERS
(814) TZ, UG
(540) SAN FU

●●

(210) AP/M/2022/004897
(220) 28.01.2022
(511) Int. Cl. 32: BW, MW, MZ, TZ, ZW
(731) BIGTREE BEVERAGES LIMITED
(740) TRADE KINGS ZIMBABWE (PVT.) LIMITED
(814) BW, MW, MZ, TZ, ZW
(540) **FIT**

●●

(210) AP/M/2022/004898
(220) 28.01.2022
(511) Int. Cl. 5: BW, GM, LS, NA
(731) GUANGZHOU SUNDA SUPPLY CHAIN MANAGEMENT LIMITED
(740) Cronjé & Co.
(814) BW, GM, LS, NA
(540) Cuettie

●●

(210) AP/M/2022/004899
(220) 28.01.2022
(511) Int. Cl. 3: BW, GM, LS, NA
(731) GUANGZHOU SUNDA SUPPLY CHAIN MANAGEMENT LIMITED
(740) Cronjé & Co.
(814) BW, GM, LS, NA
(540) Doffi

●●

(210) AP/M/2022/004900
(220) 28.01.2022
(511) Int. Cl. 7 and 41: ZW
(731) TIPCALL INVESTMENTS T/A CUTTING EDGE
(740) TIPCALL INVESTMENTS T/A CUTTING EDGE
(814) ZW
(540) Husqvarna MUD RUN

●●

(210) AP/M/2022/004901
(220) 01.02.2022
(511) Int. Cl. 7, 11 and 21: BW, MW, MZ, SZ, TZ, UG, ZW
(511) Int. Cl. 9 and 20: BW, MW, MZ, NA, SZ, TZ, UG, ZW
(731) CAPRI APPLIANCES (PRIVATE) LIMITED
(740) HONEY & BLANCKENBERG
(814) BW, MW, MZ, SZ, TZ, UG, ZW
(540) **ATLANTIC**

●●

(210) AP/M/2022/004928
(220) 15.02.2022
(511) Int. Cl. 29, 30 and 32: BW, ZW
(731) PHIKWA ENTERPRISES (PRIVATE) LIMITED
(740) B MATANGA IP ATTORNEYS
(814) BW, ZW
(540) Great Flavours Quality, Healthy & Fresh

●●

■

Marks Registered

(111) AP/M/2014/002263
(151) 11.11.2022
(220) 12.12.2014
(511) Int. Cl. 9: BW, LR, LS, MW, NA, SZ, TZ, UG, ZW
(731) HEXING ELECTRIC CO., LTD.
(740) HONEY & BLANCKENBERG
(814) BW, LR, LS, MW, NA, SZ, TZ, UG, ZW
(540) **HEXING**

●●

(111) AP/M/2015/002394
(151) 11.11.2022
(220) 29.05.2015
(511) Int. Cl. 10: BW, LR, LS, MW, NA, SZ, TZ, UG, ZW
(731) SONOSCAPE MEDICAL CORP.
(740) HONEY & BLANCKENBERG
(814) BW, LR, LS, MW, NA, SZ, TZ, UG, ZW
(540) **MediScape**

●●

(111) AP/M/2017/002876
(151) 11.11.2022
(220) 01.03.2017
(511) Int. Cl. 34: BW, LR, LS, MW, NA, ST, SZ, TZ, UG
(731) NANYANG BROTHERS TOBACCO COMPANY LIMITED
(740) B MATANGA IP ATTORNEYS
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG
(540) **Peony Deluxe**

●●

(210) AP/M/2018/003588
(220) 03.12.2018
(511) Int. Cl. 9 and 34: GM, MZ
(731) JUUL Labs, Inc.
(740) FISHER CORMACK & BOTHA
(814) GM, MZ
(540) **JUUL**

●●

(210) AP/M/2019/003625
(220) 18.01.2019
(511) Int. Cl. 9: GM, MZ
(731) SEW-EURODRIVE GmbH & Co. KG
(740) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(814) GM, MZ
(540) **MOVIMOT**

●●

(210) AP/M/2019/003645
(220) 07.02.2019
(511) Int. Cl. 1 and 5: GM, MZ
(731) AMVAC C.V.
(740) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(814) GM, MZ
(540) AMERICAN VANGUARD

●●

(210) AP/M/2019/003646
(220) 07.02.2019
(511) Int. Cl. 1, 5,7 and 9: GM, MZ
(731) AMVAC C.V.
(740) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(814) GM, MZ
(540) AMVAC An American Vanguard Company

●●

(111) AP/M/2019/003784
(151) 30.11.2022
(220) 23.05.2019
(511) Int. Cl. 37: BW, LS, MW, NA
(511) Int. Cl. 12: LS, MW, NA
(731) ASSOCIATED TYRES ZIMBABWE
(740) WINTERTONS LEGAL PRACTITIONERS
(814) LS, MW, NA
(540) Associated Tyres Driven by Quality

●●

(111) AP/M/2019/003828
(151) 01.11.2022
(220) 26.06.2019
(511) Int. Cl. 16 and 29: ZW
(731) AFRICA CATTLE RANCH LIMITED
(740) CHIRWA & COMPANY
(814) ZW
(540) AFRICA CATTLE RANCH

●●

(111) AP/M/2019/003980
(151) 14.11.2022
(220) 11.11.2019
(511) Int. Cl. 3: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) GLOBRANDS HOLDING CO. LIMITED
(740) SAMURIWO ATTORNEYS
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(540) BRISTOL

●●

(111) AP/M/2020/004133
(151) 03.11.2022
(220) 11.06.2020
(511) Int. Cl. 9, 41 and 42: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) BML GROUP LIMITED
(740) GILL, GODLONTON & GERRANS
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(540) betsafe

●●

(111) AP/M/2020/004134
(151) 03.11.2022
(220) 11.06.2020
(511) Int. Cl. 9, 41 and 42: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) BML GROUP LIMITED
(740) GILL, GODLONTON & GERRANS
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(540) BETSAFE

●●

(111) AP/M/2020/004196
(151) 14.11.2022
(220) 30.07.2020
(511) Int. Cl. 5: BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(731) CITREFINE PLANTATIONS LTD trading as KAWANDAMA HILLS PLANTATION
(740) KANTOR & IMMERMAN LEGAL PRACTITIONERS
(814) BW, LR, LS, MW, NA, ST, SZ, TZ, UG, ZW
(540) virisafe

●●

Marks Registered (Contd.)

(111) AP/M/2020/004264
(151) 03.11.2022
(220) 07.10.2020
(511) Int. Cl. 30: BW, MW, NA, ZW
(731) KEFALOS CHEESE PRODUCTS PRIVATE LIMITED
(740) Phiri Nobert
(814) BW, MW, NA, ZW
(540)

●●

(111) AP/M/2020/004265
(151) 03.11.2022
(220) 07.10.2020
(511) Int. Cl. 30: BW, MW, NA, ZW
(731) KEFALOS CHEESE PRODUCTS PRIVATE LIMITED
(740) Phiri Nobert
(814) BW, MW, NA, ZW
(540)

●●

(111) AP/M/2020/004266
(151) 03.11.2022
(220) 07.10.2020
(511) Int. Cl. 30: BW, MW, NA, ZW
(731) KEFALOS CHEESE PRODUCTS PRIVATE LIMITED
(740) Phiri Nobert
(814) BW, MW, NA, ZW
(540)

●●

(111) AP/M/2020/004352
(151) 07.11.2022
(220) 16.12.2020
(511) Int. Cl. 9: BW, SZ
(731) NINGBO FULMAN COMMUNICATION TECHNOLOGY CO., LTD.
(740) Cronjé & Co.
(814) BW, SZ
(540) VENTION

●●

(111) AP/M/2021/004366
(151) 14.11.2022
(220) 19.01.2021
(511) Int. Cl. 9, 41 and 42: BW, MZ, ZW
(731) MASUNUNGURE Daniel
(740) SAMURIWO ATTORNEYS
(814) BW, MZ, ZW
(540) carbon learning

●●

(111) AP/M/2021/004455
(151) 16.11.2022
(220) 31.03.2021
(511) Int. Cl. 32: BW, MW, ZW
(731) BULAWAYO MUNICIPAL COMMERCIAL UNDERTAKING TRADING AS INGWEBU BREWERIES (PVT) LTD
(740) HONEY & BLANCKENBERG
(814) BW, MW, ZW
(540)

●●

(111) AP/M/2021/004560
(151) 18.11.2022
(220) 05.07.2021
(511) Int. Cl. 34: BW, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) J&B LIMITED
(740) Cronjé & Co.
(814) BW, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) NAFAS

●●

(111) AP/M/2021/004572
(151) 18.11.2022
(220) 13.07.2021
(511) Int. Cl. 9, 35 and 39: MZ, TZ, UG
(731) BEIJING SHIHUI TECHNOLOGY CO., LTD
(740) Cronjé & Co.
(814) MZ, TZ, UG
(540) **nicetuan**

●●

(111) AP/M/2021/004593
(151) 02.11.2022
(220) 05.08.2021
(511) Int. Cl. 3: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) SAYANI Yasin Nissar Hosein
(740) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) efolia parfums

●●

(111) AP/M/2021/004599
(151) 04.11.2022
(220) 11.08.2021
(511) Int. Cl. 9 and 13: BW, ZW
(731) DETNET SOUTH AFRICA (PTY) LTD
(740) HONEY & BLANCKENBERG
(814) BW, ZW
(540) **CYBERDET**

●●

(111) AP/M/2021/004621
(151) 28.11.2022
(220) 19.08.2021
(511) Int. Cl. 41 and 45: TZ, UG
(731) ADVENTIST DEVELOPMENT AND RELIEF AGENCY INTERNATIONAL
(740) GALLOWAY & COMPANY
(814) TZ, UG
(540)

●●

(111) AP/M/2021/004654
(151) 30.11.2022
(220) 07.09.2021
(511) Int. Cl. 45: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) EVANS Sheryl
(740) HUSSEIN RANCHHOD & CO
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) **MamaAfrica**

●●

▶

Marks Registered (Contd.)

(111) AP/M/2021/004655
(151) 30.11.2022
(220) 08.09.2021
(511) Int. Cl. 32: TZ
(731) GRANINI FRANCE SAS
(740) SAMURIWO ATTORNEYS
(814) TZ
(540) Réa

●●

(111) AP/M/2021/004661
(151) 28.11.2022
(220) 13.09.2021
(511) Int. Cl. 9 and 41: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) ROCHE DIABETES CARE GMBH
(740) FISHER CORMACK & BOTHA
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) **MAKE DIABETES SUCK LESS**

●●

(111) AP/M/2021/004672
(151) 28.11.2022
(220) 15.09.2021
(511) Int. Cl. 5: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) F. HOFFMANN-LA ROCHE AG
(740) FISHER CORMACK & BOTHA
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) **SUNLUMIO**

●●

(111) AP/M/2021/004675
(151) 30.11.2022
(220) 17.09.2021
(511) Int. Cl. 5: BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(731) F. HOFFMANN-LA ROCHE AG
(740) FISHER CORMACK & BOTHA
(814) BW, GM, LR, LS, MW, MZ, NA, ST, SZ, TZ, UG, ZW
(540) **LITUMBIA**

●●

(111) AP/M/2021/004694
(151) 15.11.2022
(220) 29.09.2021
(511) Int. Cl. 41: ZW
(731) THE FAITH LIFE CHURCH INTERNATIONAL TRUST
(740) SAIDI LAW FIRM
(814) ZW
(540) FAITH LIFE CHURCH INTERNATIONAL

●●

(111) AP/M/2021/004703
(151) 11.11.2022
(220) 06.10.2021
(511) Int. Cl. 7 and 17: TZ
(731) MUSASHI OIL SEAL KOGYO KABUSHIKI KAISHA, ALSO TRADING AS MUSASHI OIL SEAL MFG. CO., LTD.
(740) HONEY & BLANCKENBERG
(814) TZ
(540) **MUSASHI**

●●

(111) AP/M/2021/004749
(151) 30.11.2022
(220) 25.10.2021
(511) Int. Cl. 8, 11 and 21: ZW
(731) SUNNEX PRODUCTS LIMITED
(740) NGWENYA Mthokozisi
(814) ZW
(540) SUNNEX

●●

■

Marks Renewed

Registration No.	Date Fee Paid	Valid Until	Anniversary
AP/M/2012/001561	26.10.2022	21.11.2032	10th yr
AP/M/2012/001583	15.11.2022	14.12.2032	10th yr
AP/M/2013/001592	15.11.2022	08.01.2033	10th yr
AP/M/2013/001593	14.11.2022	08.01.2033	10th yr
AP/M/2013/001594	15.11.2022	08.01.2033	10th yr
AP/M/2013/001595	15.11.2022	08.01.2033	10th yr
AP/M/2013/001619	28.11.2022	22.02.2033	10th yr
AP/M/2013/001684	28.11.2022	17.05.2033	10th yr

PATENTS

Patent Applications Filed

(21) AP/P/2022/014451
(22) 24.06.2021
(23) 01.11.2022
(31) 63/120,351
(32) 02.12.2020 (33) US
(31) 63/044,095
(32) 25.06.2020 (33) US
(51) **C07D 401/12 (2006.01)**
A61P 35/00 (2006.01)
A61K 31/496 (2006.01)
(54) QUINOXALINE DERIVATIVES AS ANTI-CANCER DRUGS
(71) ASTRAZENECA AB
(72) ZHENG Xiaolan, GHOSH Avipsa, HANDE Sudhir Mahadeo, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH, KE
(86) 24.06.2021 PCT/EP2021/067304
(96) 24.06.2021 AP/P/2022/014451

●●

(21) AP/P/2022/014452
(22) 17.05.2021
(23) 01.11.2022
(31) 63/026,121
(32) 17.05.2020 (33) US
(51) **A61P 31/14 (2006.01)**
C07K 16/10 (2006.01)
(54) SARS-COV-2 ANTIBODIES AND METHODS OF SELECTING AND USING THE SAME
(71) ASTRAZENECA UK LIMITED
(72) RAJAN Saravanan, DU Qun, VARKEY Reena M, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH, KE
(86) 17.05.2021 PCT/EP2021/063008
(96) 17.05.2021 AP/P/2022/014452

●●

(21) AP/P/2022/014453
(22) 10.05.2021
(23) 01.11.2022
(31) 2020/02706
(32) 13.05.2020 (33) ZA
(51) **B28B 7/00 (2006.01)**
E03B 11/00 (2006.01)
E03F 1/00 (2006.01)
(54) UNDERGROUND TANK SYSTEM AND METHOD OF MANUFACTURING AN UNDERGROUND TANK SYSTEM
(74) ENSafrica Namibia
(75) PILLAY Morgan Rungen
(84) BW, GH, KE, LS, MW, MZ, NA, RW, UG, ZM, ZW
(86) 10.05.2021 PCT/İB2021/053944
(96) 10.05.2021 AP/P/2022/014453

●●

(21) AP/P/2022/014454
(22) 09.04.2021
(23) 02.11.2022
(31) 20169014.6
(32) 09.04.2020 (33) EP
(51) **H04L 29/08 (2006.01)**
H04M 1/72403 (2021.01)
H04W 12/48 (2021.01)
H04L 29/06 (2006.01)
(54) TELEPHONE NUMBER VERIFICATION
(71) ANBARCHIAN Vida
(72) HOMBURG Karl-Wilhelm
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, TZ, UG
(86) 09.04.2021 PCT/EP2021/059310
(96) 09.04.2021 AP/P/2022/014454

●●

(21) AP/P/2022/014455
(22) 18.05.2021
(23) 02.11.2022
(31) 00598/20
(32) 18.05.2020 (33) CH
(51) **B65D 47/10 (2006.01)**
B65D 55/16 (2006.01)
A61J 1/06 (2006.01)
B65D 1/02 (2006.01)
B65D 1/09 (2006.01)
B65D 35/42 (2006.01)
(54) PLASTIC CONTAINER
(71) ALPLA WERKE ALWIN LEHNER GMBH & CO. KG
(72) SCHNETZER Daniel, ZMÖLNIG Christian and BOHLE Thomas
(74) COGHLAN, WELSH & GUEST
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 18.05.2021 PCT/EP2021/063123
(96) 18.05.2021 AP/P/2022/014455

●●

(21) AP/P/2022/014456
(22) 07.04.2021
(23) 02.11.2022
(31) 63/035,961
(32) 08.06.2020 (33) US
(31) 63/006,988
(32) 08.04.2020 (33) US
(51) **A61P 35/00 (2006.01)**
C07K 16/28 (2006.01)
(54) ANTI-CD98 ANTIBODIES AND USES THEREOF
(71) ALIADA THERAPEUTICS, INC.
(72) GEIST Brian, JAIPRASART Pharavee, WILKINSON Deepti, et al
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(96) 07.04.2021 AP/P/2022/014456

●●

(21) AP/P/2022/014457
(22) 11.06.2021
(23) 03.11.2022
(31) 20179426.0
(32) 11.06.2020 (33) EP
(51) **G01S 19/04 (2010.01)**
(54) REAL-TIME KINEMATIC (RTK) POSITIONING SYSTEM, BASE STATION AND METHODS FOR CALIBRATING AND OPERATING
(71) KWS SAAT SE & CO. KGAA
(72) SCHEUERMANN Enrico B, RUDOLPH Sebastian, QUANTMEYER Christian, et al
(74) GALLOWAY & COMPANY
(84) KE
(86) 11.06.2021 PCT/EP2021/065787
(96) 11.06.2021 AP/P/2022/014457

●●

(21) AP/P/2022/014458
(22) 15.04.2021
(23) 03.11.2022
(31) 63/010,369
(32) 15.04.2020 (33) US
(51) **F16L 1/16 (2006.01)**
E21B 41/08 (2006.01)
B29C 70/00 (2006.01)
(54) NON-METALLIC SUBSEA SKID APPARATUS AND METHODS
(71) J. RAY MCDERMOTT, S.A.
(72) SHENDRE Amit Balkrishna, MODICA Antonino Ascone, WAIMER Johannes, et al
(74) FISHER CORMACK & BOTHA
(84) GH, MZ
(86) 15.04.2021 PCT/US2021/027465
(96) 15.04.2021 AP/P/2022/014458

●●

(21) AP/P/2022/014459
(22) 20.03.2019
(23) 04.11.2022
(31) 62/655,165
(32) 09.04.2018 (33) US
(51) **H04W 28/16 (2009.01)**
H04W 36/00 (2009.01)
H04W 36/14 (2009.01)
H04W 28/24 (2009.01)
(54) SESSION CONTEXT CONVERSION
(71) NOKIA TECHNOLOGIES OY
(72) CHANDRAMOULI Devaki and WON Sung Hwan

▶

Patent Applications Filed (Contd.)

(74) GALLOWAY & COMPANY
(84) KE
(86) 20.03.2019 PCT/EP2019/056934
(96) 20.03.2019 AP/P/2022/014459

●●

(21) AP/P/2022/014460
(22) 06.04.2021
(23) 04.11.2022
(31) 2005000.1
(32) 04.04.2020 (33) GB
(51) **A61B 5/00 (2006.01)**
G16H 10/60 (2018.01)
A61M 15/00 (2006.01)
(54) INHALER SYSTEMS
(71) PURCELL GLOBAL LTD
(72) NICHOLAS Purcell
(74) Cronjé & Co.
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 06.04.2021 PCT/GB2021/050847
(96) 06.04.2021 AP/P/2022/014460

●●

(21) AP/P/2022/014461
(22) 07.04.2021
(23) 04.11.2022
(31) 20168421.4
(32) 07.04.2020 (33) EP
(51) **B42D 25/324 (2014.01)**
B42D 25/445 (2014.01)
(54) AN OPTICAL ELEMENT AND A METHOD OF VISUALLY AUTHENTICATING AN OBJECT
(71) SICPA HOLDING SA
(72) CALLEGARI Andrea, TESTUZ Romain and SCHWARTZBURG Yuliy
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH
(86) 07.04.2021 PCT/EP2021/059011
(96) 07.04.2021 AP/P/2022/014461

●●

(21) AP/P/2022/014462
(22) 05.04.2021
(23) 04.11.2022
(31) 2020/00734
(32) 04.04.2020 (33) ZA
(51) **H01M 4/20 (2006.01)**
H01M 4/02 (2006.01)
H01M 4/04 (2006.01)
H01M 4/14 (2006.01)
(54) RECHARGEABLE ELECTRICAL STORAGE DEVICES
(71) LUKATIT INVESTMENTS 12 (PTY) LTD
(72) HUMAN Jan Petrus
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 05.04.2021 PCT/İB2021/052809
(96) 05.04.2021 AP/P/2022/014462

●●

(21) AP/P/2022/014463
(22) 03.05.2021
(23) 07.11.2022
(31) 63/021,157
(32) 07.05.2020 (33) US
(51) **B09B 3/00 (2006.01)**
C22B 7/00 (2006.01)
(54) A METHOD, A SYSTEM, AND AN APPARATUS FOR PREPARING MANGANESE SULFATE
(71) BEFESA ZINC METAL LLC
(72) OLIPHANT Kendall Lee, CASHWELL William Joseph II and DE WET Jacobus Rudolph
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) NA
(86) 03.05.2021 PCT/US2021/030408
(96) 03.05.2021 AP/P/2022/014463

●●

(21) AP/P/2022/014464
(22) 30.03.2021
(23) 07.11.2022
(31) 63/001,646
(32) 30.03.2020 (33) US
(51) **G06Q 20/00 (2012.01)**
(54) SYSTEM AND METHOD OF AUTOMATED KNOW-YOUR-TRANSACTION CHECKING IN DIGITAL ASSET TRANSACTIONS
(71) BLOCKQUAKE IP HOLDINGS, LLC
(72) SHRIKISHUN Randy, HYUN Samuel, BRASSE Samuel, et al
(74) COULSON HARNEY LLP
(84) GH, KE, SD, UG, ZW
(86) 30.03.2021 PCT/US2021/024809
(96) 30.03.2021 AP/P/2022/014464

●●

(21) AP/P/2022/014465
(22) 21.04.2021
(23) 07.11.2022
(31) 2020-075565
(32) 21.04.2020 (33) JP
(51) **A24B 15/00 (2006.01)**
C12N 15/10 (2006.01)
C12N 15/113 (2010.01)
C12N 15/29 (2006.01)
A01H 5/00 (2018.01)
A01H 6/82 (2018.01)
A24B 13/00 (2006.01)
(54) TOBACCO PLANT BODY AND METHOD FOR PRODUCING SAME
(71) JAPAN TOBACCO INC.
(72) NISHIGUCHI Ryo, TAKAKURA Yoshimitsu, OYAMA Kiyoshi, et al
(74) FISHER CORMACK & BOTHA
(84) MW, TZ, ZM, ZW
(86) 21.04.2021 PCT/JP2021/016145
(96) 21.04.2021 AP/P/2022/014465

●●

(21) AP/P/2022/014466
(22) 04.05.2021
(23) 07.11.2022
(31) 63/020,614
(32) 06.05.2020 (33) US
(51) **A61P 35/00 (2006.01)**
C07D 409/14 (2006.01)
C07D 417/10 (2006.01)
C07D 419/10 (2006.01)
C07D 495/04 (2006.01)
A61K 31/4184 (2006.01)
C07D 403/06 (2006.01)
C07D 405/06 (2006.01)
C07D 409/06 (2006.01)
C07D 413/10 (2006.01)
C07D 401/06 (2006.01)
C07D 401/08 (2006.01)
C07D 401/12 (2006.01)
C07D 401/14 (2006.01)
C07D 403/10 (2006.01)
C07D 235/26 (2006.01)
(54) IL4I1 INHIBITORS AND METHODS OF USE
(71) MERCK SHARP & DOHME LLC
(72) YAN Xin, WHITE Catherine M, SILIPHAIVANH Phieng, et al
(74) HONEY & BLANCKENBERG
(84) BW, GH, KE, NA
(86) 04.05.2021 PCT/US2021/030541
(96) 04.05.2021 AP/P/2022/014466

●●

(21) AP/P/2022/014467
(22) 19.04.2021
(23) 07.11.2022
(31) 2020-074233
(32) 17.04.2020 (33) JP
(51) **C12N 15/29 (2006.01)**
A24B 15/10 (2006.01)
A01H 6/82 (2018.01)
A01H 5/00 (2018.01)
(54) PLANT BODY OF GENUS NICOTIANA WITH LOW ALKALOID CONTENT AND PRODUCTION METHOD THEREOF
(71) JAPAN TOBACCO INC.
(72) TAKAKURA Yoshimitsu, NISHIGUCHI Ryo, MAGOME Hiroshi, et al
(74) FISHER CORMACK & BOTHA
(84) MW, TZ, ZM, ZW
(86) 19.04.2021 PCT/JP2021/015920
(96) 19.04.2021 AP/P/2022/014467

●●

▶

Patent Applications Filed (Contd.)

(21) AP/P/2022/014468
(22) 30.04.2021
(23) 08.11.2022
(31) 63/021,806
(32) 08.05.2020 (33) US
(51) **A61P 25/04 (2006.01)**
C07D 239/46 (2006.01)
A61K 31/505 (2006.01)
(54) 4-(2,6-DIFLUOROPHENOXY)-6-(TRIFLUOROMETHYL)PYRI ML DIN-2 -AMINE DERIVATIVES AS POTENTIATORS OF TH HMRGX1 RECEPTOR FOR THE TREATMENT OF PAIN
(71) ELI LILLY AND COMPANY
(72) WINNEROSKI Leonard Larry Jr and SMITH Daryl Lynn
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, NA
(86) 30.04.2021 PCT/US2021/030100
(96) 30.04.2021 AP/P/2022/014468

●●

(21) AP/P/2022/014469
(22) 07.04.2021
(23) 08.11.2022
(31) 20174023.0
(32) 12.05.2020 (33) EP
(51) **C01C 1/18 (2006.01)**
B01J 19/02 (2006.01)
B01J 19/24 (2006.01)
(54) PROCESS FOR MAKING AMMONIUM NITRATE
(71) CASALE SA
(72) TALARICO Pasquale, PEDON Flavio, FILIPPI Ermanno, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) NA
(86) 07.04.2021 PCT/EP2021/059102
(96) 07.04.2021 AP/P/2022/014469

●●

(21) AP/P/2022/014470
(22) 22.04.2021
(23) 09.11.2022
(31) 63/013,631
(32) 22.04.2020 (33) US
(51) **H02M 7/00 (2006.01)**
H02N 2/00 (2006.01)
H02N 2/18 (2006.01)
(54) DEVICE FOR AMBIENT THERMAL AND VIBRATION ENERGY HARVESTING
(71) UNIVERSITY OF ARKANSAS TECHNOLOGY VENTURES
(72) THIBADO Paul
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 22.04.2021 PCT/US2021/028638
(96) 22.04.2021 AP/P/2022/014470

●●

(21) AP/P/2022/014471
(22) 22.04.2021
(23) 09.11.2022
(31) 63/135,118
(32) 08.01.2021 (33) US
(31) 63/013,960
(32) 22.04.2020 (33) US
(31) 63/088,523
(32) 07.10.2020 (33) US
(51) **A61K 31/675 (2006.01)**
A61P 25/00 (2006.01)
A61K 31/192 (2006.01)
A61K 31/525 (2006.01)
(54) TREATMENT OF CONDITIONS ASSOCIATED WITH THYROID HORMONE
(74) FISHER CORMACK & BOTHA
(75) SCOTT III Linzy O
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 22.04.2021 PCT/US2021/028675
(96) 22.04.2021 AP/P/2022/014471

●●

(21) AP/P/2022/014472
(22) 10.05.2021
(23) 09.11.2022
(31) 63/159,303
(32) 10.03.2021 (33) US
(31) 63/023,092
(32) 11.05.2020 (33) US
(31) 63/024,209
(32) 13.05.2020 (33) US
(51) **C07K 16/28 (2006.01)**
C07K 16/46 (2006.01)
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
A61P 35/02 (2006.01)
(54) METHODS FOR TREATING MULTIPLE MYELOMA
(71) JANSSEN BIOTECH, INC.
(72) LIN Shun xin Wang, GIRGIS Suzette, VERONA Raluca, et al
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 10.05.2021 PCT/EP2021/062364
(96) 10.05.2021 AP/P/2022/014472

●●

(21) AP/P/2022/014473
(22) 12.05.2021
(23) 10.11.2022
(31) 202010410633.5
(32) 15.05.2020 (33) CN
(51) **A61K 49/00 (2006.01)**
A61K 51/10 (2006.01)
A61P 35/00 (2006.01)
A61K 47/68 (2017.01)
A61K 31/4745 (2006.01)
A61K 45/06 (2006.01)
(54) ANTIBODY DRUG CONJUGATE, PREPARATION METHOD THEREFOR AND USE THEREOF
(71) SICHUAN KELUN-BIOTECH BIOPHARMACEUTICAL CO., LTD.
(72) SONG Shuai, TIAN Qiang, LIU Dengnian, et al
(74) HONEY & BLANCKENBERG
(84) BW, GH, KE, NA
(86) 12.05.2021 PCT/CN2021/093348
(96) 12.05.2021 AP/P/2022/014473

●●

(21) AP/P/2022/014474
(22) 14.04.2021
(23) 11.11.2022
(31) 2005432.6
(32) 14.04.2020 (33) GB
(51) **A01N 59/00 (2006.01)**
A01P 1/00 (2006.01)
A01N 63/00 (2020.01)
(54) SOLID COMPOSITION FOR PRODUCING ANTIBACTERIAL, ANTIVIRAL, ANTIFUNGAL AND DISINFECTANT SOLUTIONS
(71) QURES GROUP LTD
(72) STEAD Richard
(74) FISHER CORMACK & BOTHA
(84) UG
(86) 14.04.2021 PCT/GB2021/050900
(96) 14.04.2021 AP/P/2022/014474

●●

(21) AP/P/2022/014475
(22) 27.05.2020
(23) 11.11.2022
(51) **F25J 1/00 (2006.01)**
(54) METHOD AND SYSTEM FOR DETERMINING OPERATING CONDITIONS OF LIQUEFIED NATURAL GAS PLANT
(71) CHIYODA CORPORATION
(72) YAMAGUCHI Yoshihiro and OCHIAI Takayuki
(74) GALLOWAY & COMPANY
(84) MZ
(96) 27.05.2020 AP/P/2022/014475

●●

(21) AP/P/2022/014476
(22) 14.05.2021
(23) 11.11.2022
(31) P202000007
(32) 15.11.2020 (33) EE
(51) **H02S 30/00 (2014.01)**
(54) SYSTEM AND METHOD FOR CONNECTING AND FIXING FRAMED SOLAR PANELS TO MAKE A WEATHERPROOF BUILDING-INTEGRATED MODULAR SURFACE
(71) SOLARSTONE OÜ
(72) NIKOLAI Lunini, KRAAVI Mati and JÜRIMÄE Mattis
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(96) 14.05.2021 AP/P/2022/014476

●●

▶

Patent Applications Filed (Contd.)

(21) AP/P/2022/014477
(22) 28.05.2021
(23) 14.11.2022
(31) 2020-094859
(32) 29.05.2020 (33) JP
(51) **C12R 1/07 (2006.01)**
C12N 1/20 (2006.01)
A01N 63/22 (2020.01)
A01P 3/00 (2006.01)
(54) BACTERIAL STRAIN BELONGING TO BACILLUS GENUS, AND MICROBIOLOGICAL CONTROL AGENT USING SAID BACTERIAL STRAIN
(71) KUMIAI CHEMICAL INDUSTRY CO., LTD. and NATIONAL UNIVERSITY CORPORATION TOKAI NATIONAL HIGHER EDUCATION AND RESEARCH SYSTEM
(72) MARUYAMA Nozomu, OHTAKA Nobuaki, KANEKO Isao, et al
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 28.05.2021 PCT/JP2021/020546
(96) 28.05.2021 AP/P/2022/014477

●●

(21) AP/P/2022/014478
(22) 21.05.2021
(23) 14.11.2022
(31) 20176206.9
(32) 22.05.2020 (33) EP
(31) 20176178.0
(32) 22.05.2020 (33) EP
(51) **H04N 19/503 (2014.01)**
H04N 19/70 (2014.01)
(54) VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS
(71) GE VIDEO COMPRESSION, LLC
(72) WIEGAND Thomas, SKUPIN Robert, SCHIERL Thomas, et al
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 21.05.2021 PCT/EP2021/063587
(96) 21.05.2021 AP/P/2022/014478

●●

(21) AP/P/2022/014479
(22) 12.05.2021
(23) 14.11.2022
(31) 20174546.0
(32) 14.05.2020 (33) EP
(51) **B22F 5/00 (2006.01)**
B22F 3/16 (2006.01)
C21D 9/22 (2006.01)
C22C 29/06 (2006.01)
B24B 31/03 (2006.01)
C21D 1/06 (2006.01)
C22C 29/08 (2006.01)
E21B 10/00 (2006.01)
B22F 3/24 (2006.01)
C22C 1/05 (2006.01)
(54) METHOD OF TREATING A CEMENTED CARBIDE MINING INSERT
(71) SANDVIK MINING AND CONSTRUCTION TOOLS AB
(72) HOLMSTRÖM Erik, ARVANITIDIS Ioannis, BLOMQVIST Andreas, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE, TZ, ZM
(86) 12.05.2021 PCT/EP2021/062685
(96) 12.05.2021 AP/P/2022/014479

●●

(21) AP/P/2022/014480
(22) 14.05.2021
(23) 14.11.2022
(31) 63/024,912
(32) 14.05.2020 (33) US
(51) **C07K 14/025 (2006.01)**
A61K 39/12 (2006.01)
(54) VACCINES FOR RECURRENT RESPIRATORY PAPILLOMATOSIS AND METHODS OF USING THE SAME
(71) INOVIO PHARMACEUTICALS, INC.
(72) BRODERICK Kate, SLAGER Anna, YAN Jian, 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) 14.05.2021 PCT/US2021/032545
(96) 14.05.2021 AP/P/2022/014480

●●

(21) AP/P/2022/014481
(22) 14.04.2021
(23) 14.11.2022
(31) 16/848,930
(32) 15.04.2020 (33) US
(51) **G01N 21/3581 (2014.01)**
G07D 7/004 (2016.01)
G01N 21/33 (2006.01)
G07D 7/202 (2016.01)
G07D 7/1205 (2016.01)
(54) MACHINE-READABLE POLYMER SECURITY THREADS
(71) SPECTRA SYSTEMS CORPORATION
(72) LAWANDY Nabil
(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) 14.04.2021 PCT/US2021/027287
(96) 14.04.2021 AP/P/2022/014481

●●

(21) AP/P/2022/014482
(22) 14.11.2022
(23) 14.11.2022
(51) **C07K 16/20 (2006.01)**
C07K 16/00 (2006.01)
G01N 33/41 (2006.01)
A61K 39/00 (2006.01)
A61K 39/44 (2006.01)
(54) PRODUCTION OF POLYCLONAL ANTIBODIES AND THE PROCESS OF THEIR USE FOR THE DIAGNOSIS OF HUMAN AFRICAN TRYPANOSOMIASIS
(71) DAWALA Koromtili Oumar and PAN AFRICAN UNIVERSITY INSTITUTE FOR BASIC SCIENCES, TECHNOLOGY AND INNOVATION (PAUSTI)
(72) WAIHENYA Rebecca, NZOU Muuo Samson and DAWALA Koromtili Oumar
(74) DAWALA Koromtili Oumar
(84) BW, GM, KE, ZM, ZW
(96) 14.11.2022 AP/P/2022/014482

●●

(21) AP/P/2022/014483
(22) 13.05.2021
(23) 15.11.2022
(31) 63/025,463
(32) 15.05.2020 (33) US
(51) **A61P 3/10 (2006.01)**
C07K 14/62 (2006.01)
A61K 38/28 (2006.01)
A61K 47/54 (2017.01)
(54) EXTENDED TIME ACTION ACYLATED INSULIN COMPOUNDS
(71) ELI LILLY AND COMPANY
(72) VALENZUELA Francisco Alcides, LIU Wen, KISSELEV Valdislav, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, NA
(86) 13.05.2021 PCT/US2021/032144
(96) 13.05.2021 AP/P/2022/014483

●●

(21) AP/P/2022/014484
(22) 12.05.2021
(23) 15.11.2022
(31) 202011020608
(32) 15.05.2020 (33) IN
(51) **A01N 57/20 (2006.01)**
A01N 35/10 (2006.01)
A01N 43/40 (2006.01)
A01P 13/00 (2006.01)
(54) HERBICIDAL COMBINATION AND METHOD OF CONTROLLING HERBICIDE RESISTANT WEEDS
(71) UPL EUROPE LTD. and UPL CORPORATION LIMITED
(72) SILVA Ferdinando Marcos Lima
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH, KE, MW, MZ, RW, SD, TZ, ZM
(86) 12.05.2021 PCT/İB2021/054051
(96) 12.05.2021 AP/P/2022/014484

●●

▶

Patent Applications Filed (Contd.)

(21) AP/P/2022/014485
(22) 21.06.2021
(23) 15.11.2022
(31) 63/042,240
(32) 22.06.2020 (33) US
(51) **C07H 21/02 (2006.01)**
C07H 21/04 (2006.01)
C12Q 1/6874 (2018.01)
C07H 1/02 (2006.01)
C07H 19/10 (2006.01)
C07H 19/20 (2006.01)
(54) NUCLEOSIDES AND NUCLEOTIDES WITH 3' ACETAL BLOCKING GROUP
(71) ILLUMINA CAMBRIDGE LIMITED
(72) LIU Xiaohai, KOETJE Anno, CULLEY Adam, et al
(74) FISHER CORMACK & BOTHA
(84) KE
(86) 21.06.2021 PCT/EP2021/066886
(96) 21.06.2021 AP/P/2022/014485

●●

(21) AP/P/2022/014486
(22) 16.04.2021
(23) 15.11.2022
(31) 20169870.1
(32) 16.04.2020 (33) EP
(51) **A61K 31/565 (2006.01)**
A61K 31/585 (2006.01)
A61K 9/00 (2006.01)
A61P 15/18 (2006.01)
(54) CONTRACEPTIVE COMPOSITIONS WITH REDUCED ADVERSE EFFECTS
(71) ESTETRA SRL
(72) FOIDART Jean-Michel
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, LS, MZ, NA, SZ, ZW
(86) 16.04.2021 PCT/EP2021/059890
(96) 16.04.2021 AP/P/2022/014486

●●

(21) AP/P/2022/014487
(22) 30.04.2020
(23) 16.11.2022
(51) **B63B 17/00 (2006.01)**
B63B 81/00 (2020.01)
(54) METHOD AND APPARATUS FOR INSTALLING A COFFERDAM, E.G. AGAINST THE HULL OF A SHIP
(71) E M & I (MARITIME) LIMITED
(72) MORTLOCK David Michael
(74) HONEY & BLANCKENBERG
(84) GH, LR, MZ
(86) 30.04.2020 PCT/GB2020/051063
(96) 30.04.2020 AP/P/2022/014487

●●

(21) AP/P/2022/014488
(22) 26.03.2018
(23) 16.11.2022
(31) 2017-089252
(32) 28.04.2017 (33) JP
(51) **H04N 19/196 (2014.01)**
H04N 19/96 (2014.01)
H04N 19/11 (2014.01)
H04N 19/136 (2014.01)
H04N 19/176 (2014.01)
(54) IMAGE CODING DEVICE, IMAGE CODING METHOD AND IMAGE CODING PROGRAM, AND IMAGE DECODING DEVICE, IMAGE DECODING METHOD AND IMAGE DECODING PROGRAM
(71) GODO KAISHA IP BRIDGE1
(72) KUMAKURA Toru, NAKAMURA Hiroya and FUKUSHIMA Shigeru
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 26.03.2018 PCT/JP2018/011953
(96) 26.03.2018 AP/P/2022/014488

●●

(21) AP/P/2022/014489
(22) 21.06.2021
(23) 16.11.2022
(31) 202121002838
(32) 20.01.2021 (33) IN
(31) 202021026360
(32) 22.06.2020 (33) IN
(51) **A61P 3/04 (2006.01)**
A61P 3/06 (2006.01)
A61P 3/10 (2006.01)
C07K 14/605 (2006.01)
A61K 38/26 (2006.01)
(54) LONG ACTING GLP-1/GIP DUAL AGONISTS
(71) SUN PHARMACEUTICAL INDUSTRIES LIMITED
(72) SONI Krunal Harishbhai, TIWARI TAbhishek, JIVANI Chandulal Thakarshibhai, et al
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, ST, SZ, TZ, ZM, ZW
(86) 21.06.2021 PCT/İB2021/055457
(96) 21.06.2021 AP/P/2022/014489

●●

(21) AP/P/2022/014490
(22) 06.05.2021
(23) 16.11.2022
(31) 2019922.0
(32) 16.12.2020 (33) GB
(31) 2006823.5
(32) 07.05.2020 (33) GB
(51) **C07D 519/00 (2006.01)**
A61P 35/00 (2006.01)
A61K 31/519 (2006.01)
C07D 487/04 (2006.01)
(54) ANTAGONISTS OF THE ADENOSINE A2A RECEPTOR
(71) ADORX THERAPEUTICS LIMITED
(72) MOULTON Benjamin and MCCARTHY Clive
(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) 06.05.2021 PCT/GB2021/051106
(96) 06.05.2021 AP/P/2022/014490

●●

(21) AP/P/2022/014491
(22) 25.05.2021
(23) 17.11.2022
(31) 2020901683
(32) 25.05.2020 (33) AU
(51) **A61F 6/12 (2006.01)**
A61M 31/00 (2006.01)
A61F 13/26 (2006.01)
(54) DEPLOYMENT DEVICE FOR AN INSERTABLE AND ASSOCIATED METHODS
(71) MEDITATI PTY LTD
(72) PRICE Tonia
(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) 25.05.2021 PCT/AU2021/000037
(96) 25.05.2021 AP/P/2022/014491

●●

(21) AP/P/2022/014492
(22) 27.05.2021
(23) 17.11.2022
(31) 63/076,571
(32) 10.09.2020 (33) US
(31) 63/030,861
(32) 27.05.2020 (33) US
(51) **B09B 3/00 (2006.01)**
C10L 5/42 (2006.01)
C10L 5/44 (2006.01)
C10L 5/40 (2006.01)
(54) SYSTEM AND METHOD FOR A MULTI-CHAMBER BIOMASS REACTOR
(71) TAKACHAR LIMITED
(72) KUNG Kevin and MOHAN Vidyut
(74) FISHER CORMACK & BOTHA
(84) KE, TZ, UG
(86) 27.05.2021 PCT/US2021/034519
(96) 27.05.2021 AP/P/2022/014492

●●

▶

Patent Applications Filed (Contd.)

(21) AP/P/2022/014493
(22) 01.06.2021
(23) 17.11.2022
(31) 20212067.1
(32) 05.12.2020 (33) EP
(31) 63/033,505
(32) 02.06.2020 (33) US
(51) **A61K 31/381 (2006.01)**
C07D 417/14 (2006.01)
C07D 409/14 (2006.01)
A61P 35/00 (2006.01)
C07D 413/14 (2006.01)
(54) ANNULATED 2-AMINO-3-CYANO THIOPHENES AND DERIVATIVES FOR THE TREATMENT OF CANCER
(71) VANDERBILT UNIVERSITY and BOEHRINGER INGELHEIM INTERNATIONAL GMBH
(72) WATERSON Alex, TREU Matthias, SUN SUN , et al
(74) Cronjé & Co.
(84) GH, KE
(86) 01.06.2021 PCT/EP2021/064612
(96) 01.06.2021 AP/P/2022/014493

●●

(21) AP/P/2022/014494
(22) 28.04.2020
(23) 18.11.2022
(51) **E21B 49/00 (2006.01)**
(54) METHOD AND SYSTEM FOR ESTIMATING A DEPTH INJECTION PROFILE OF A WELL
(71) TOTALENERGIES ONETECH
(72) JAFFREZIC Vincent, BROUARD Benoit and JACQUES Antoine
(74) FISHER CORMACK & BOTHA
(84) UG
(86) 19.05.2021 PCT/İB2020/000403
(96) 28.04.2020 AP/P/2022/014494

●●

(21) AP/P/2022/014495
(22) 19.05.2021
(23) 18.11.2022
(31) 63/027,557
(32) 20.05.2020 (33) US
(51) **A61K 31/437 (2006.01)**
A61K 31/4375 (2006.01)
A61K 31/5383 (2006.01)
A61K 31/506 (2006.01)
A61K 31/517 (2006.01)
A61K 31/4985 (2006.01)
A61K 31/519 (2006.01)
A61P 35/02 (2006.01)
C07D 495/04 (2006.01)
C07D 519/00 (2006.01)
A61K 31/513 (2006.01)
A61P 13/12 (2006.01)
A61P 29/00 (2006.01)
A61P 35/00 (2006.01)
A61P 1/16 (2006.01)
A61P 5/44 (2006.01)
A61P 9/00 (2006.01)
A61P 1/04 (2006.01)
(54) COMPOSITIONS AND METHODS OF MODULATING SHORT-CHAIN DEHYDROGENASE ACTIVITY
(71) CASE WESTERN RESERVE UNIVERSITY, BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM and RODEO THERAPEUTICS CORPORATION
(72) GERSON Stanton, DESAI Amar, MARKOWITZ Sanford D, 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) 19.05.2021 PCT/US2021/033170
(96) 19.05.2021 AP/P/2022/014495

●●

(21) AP/P/2022/014496
(22) 26.05.2021
(23) 18.11.2022
(31) 63/094,931
(32) 22.10.2020 (33) US
(31) 63/030,448
(32) 27.05.2020 (33) US
(31) 63/057,958
(32) 29.07.2020 (33) US
(51) **A61P 35/00 (2006.01)**
C07K 16/28 (2006.01)
C07K 16/46 (2006.01)
A61K 39/395 (2006.01)
(54) PROTEINS COMPRISING CD3 ANTIGEN BINDING DOMAINS AND USES THEREOF
(71) JANSSEN BIOTECH, INC.
(72) LAPORTE Sherry Lynn, FELDKAMP Michael Dennis, BHATT Triveni K, et al
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 26.05.2021 PCT/İB2021/054582
(96) 26.05.2021 AP/P/2022/014496

●●

(21) AP/P/2022/014497
(22) 07.06.2021
(23) 18.11.2022
(31) 2020118737
(32) 05.06.2020 (33) RU
(51) **A61K 9/08 (2006.01)**
A61K 47/18 (2017.01)
A61K 47/26 (2006.01)
C07K 16/28 (2006.01)
A61K 9/00 (2006.01)
(54) AQUEOUS PHARMACEUTICAL COMPOSITION OF LEVILIMAB
(71) JOINT STOCK COMPANY "BIOCAD"
(72) MOROZOV Dmitry Valentinovich, ZINKINA-ORIKHAN Arina Valerevna, LINKOVA Iuliia Nikolaevna, et al
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 07.06.2021 PCT/RU2021/050158
(96) 07.06.2021 AP/P/2022/014497

●●

(21) AP/P/2022/014498
(22) 19.05.2021
(23) 18.11.2022
(31) 2007392.0
(32) 19.05.2020 (33) GB
(51) **A41D 13/11 (2006.01)**
A01P 1/00 (2006.01)
A01N 59/00 (2006.01)
(54) ANTIMICROBIAL MATERIAL
(71) PARAVIR LIMITED
(72) PATCHETT Kim and PATCHETT Andrew
(74) HONEY & BLANCKENBERG
(84) GH, KE, TZ
(86) 19.05.2021 PCT/GB2021/051203
(96) 19.05.2021 AP/P/2022/014498

●●

(21) AP/P/2022/014499
(22) 20.05.2020
(23) 18.11.2022
(51) **H04W 24/10 (2009.01)**
(54) POWER HEADROOM REPORT FOR A SERVING CELL
(71) NOKIA TECHNOLOGIES OY
(72) HENTTONEN Tero, WU Chunli, TURTINEN Samuli, et al
(74) GALLOWAY & COMPANY
(84) KE
(86) 20.05.2020 PCT/CN2020/091438
(96) 20.05.2020 AP/P/2022/014499

●●

(21) AP/P/2022/014500
(22) 21.05.2021
(23) 18.11.2022
(31) 20176206.9
(32) 22.05.2020 (33) EP
(31) 20176178.0
(32) 22.05.2020 (33) EP
(51) **H04N 19/503 (2014.01)**
H04N 19/70 (2014.01)
(54) VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS
(71) GE VIDEO COMPRESSION, LLC
(72) WIEGAND Thomas, SKUPIN Robert, SCHIERL Thomas, et al
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 21.05.2021 PCT/EP2021/063587
(96) 21.05.2021 AP/P/2022/014500

●●

▶

Patent Applications Filed (Contd.)

(21) AP/P/2022/014501
(22) 21.05.2021
(23) 18.11.2022
(31) 20176206.9
(32) 22.05.2020 (33) EP
(31) 20176178.0
(32) 22.05.2020 (33) EP
(51) **H04N 19/503 (2014.01)**
H04N 19/70 (2014.01)
(54) VIDEO ENCODER, VIDEO DECODER, METHODS FOR ENCODING AND DECODING AND VIDEO DATA STREAM FOR REALIZING ADVANCED VIDEO CODING CONCEPTS
(71) GE VIDEO COMPRESSION, LLC
(72) WIEGAND Thomas, SKUPIN Robert, SCHIERL Thomas, et al
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 21.05.2021 PCT/EP2021/063587
(96) 21.05.2021 AP/P/2022/014501

●●

(21) AP/P/2022/014502
(22) 15.12.2020
(23) 21.11.2022
(31) 202010325567.1
(32) 22.04.2020 (33) CN
(51) **G06F 16/903 (2019.01)**
(54) QUICK SEARCH METHOD, TERMINAL AND STORAGE MEDIUM
(71) SHENZHEN TRANSSION HOLDINGS CO., LTD.
(72) YAN Yating, YANG Jiajia and ZENG Xuehong
(74) INVENTA MOZAMBIQUE, LDA.
(84) KE
(86) 15.12.2020 PCT/CN2020/136591
(96) 15.12.2020 AP/P/2022/014502

●●

(21) AP/P/2022/014503
(22) 04.06.2021
(23) 21.11.2022
(31) 63/036,522
(32) 09.06.2020 (33) US
(31) 63/116,204
(32) 20.11.2020 (33) US
(31) 63/175,655
(32) 16.04.2021 (33) US
(51) **C07D 403/12 (2006.01)**
C07D 405/12 (2006.01)
A61P 35/00 (2006.01)
A61K 31/517 (2006.01)
C07D 239/90 (2006.01)
C07D 401/12 (2006.01)
(54) 4-OXO-3,4 DIHYDROQUINAZOLINON COMPOUNDS FOR THE TREATMENT OF BRAFASSOCIATED DISEASES AND DISORDERS
(71) ARRAY BIOPHARMA INC.
(72) REN Li, MORENO David Austin, LAIRD Ellen Ruth, et al
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, ST, SZ, TZ, ZM, ZW
(86) 04.06.2021 PCT/İB2021/054919
(96) 04.06.2021 AP/P/2022/014503

●●

(21) AP/P/2022/014504
(22) 27.05.2020
(23) 21.11.2022
(51) **E21B 43/16 (2006.01)**
C09K 8/588 (2006.01)
B01F 3/12 (2006.01)
C08J 3/05 (2006.01)
(54) METHOD FOR PRODUCING A VISCOSIFIED WATER FOR INJECTING IN A WELL, RELATED PROCESS AND EQUIPMENT
(71) TOTALENERGIES ONETECH
(72) JOUENNE Stephane
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) UG
(86) 27.05.2020 PCT/İB2020/000533
(96) 27.05.2020 AP/P/2022/014504

●●

(21) AP/P/2022/014505
(22) 03.05.2021
(23) 21.11.2022
(31) 63/101,556
(32) 04.05.2020 (33) US
(51) **C25B 1/04 (2021.01)**
C10G 2/00 (2006.01)
C01B 3/34 (2006.01)
C01B 3/48 (2006.01)
(54) PROCESS FOR CONVERSION OF CARBON DIOXIDE AND POWER INTO FUELS AND CHEMICALS
(71) INFINIUM TECHNOLOGY, LLC
(72) RODRIGUEZ Ramer, CALDWELL Matthew, HANBURY Orion, 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) 03.05.2021 PCT/US2021/010019
(96) 03.05.2021 AP/P/2022/014505

●●

(21) AP/P/2022/014506
(22) 09.06.2020
(23) 22.11.2022
(31) 16/895,783
(32) 08.06.2020 (33) US
(51) **C01D 15/00 (2006.01)**
B01D 61/14 (2006.01)
(54) PROCESS FOR RECOVERY OF LITHIUM FROM BRINE
(71) STANDARD LITHIUM LTD.
(72) BROWN Craig Johnstone
(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) 09.06.2020 PCT/CA2020/000069
(96) 09.06.2020 AP/P/2022/014506

●●

(21) AP/P/2022/014507
(22) 06.05.2021
(23) 22.11.2022
(31) 10 2020 112 268.3
(32) 06.05.2020 (33) DE
(51) **C03C 17/00 (2006.01)**
C03C 17/02 (2006.01)
(54) IMPROVEMENT OF GLASS STRENGTH AND FRACTURE TOUGHNESS BY A NON-BRITTLE ABRASION RESISTANT COATING
(71) EXXERGY GMBH
(72) SAUER Thomas C, YOLDAS Bulent and BROWN John
(74) FISHER CORMACK & BOTHA
(84) GH, KE, TZ, UG
(86) 06.05.2021 PCT/EP2021/061956
(96) 06.05.2021 AP/P/2022/014507

●●

(21) AP/P/2022/014508
(22) 02.06.2021
(23) 22.11.2022
(31) 20178032.7
(32) 03.06.2020 (33) EP
(51) **C12N 7/00 (2006.01)**
C07K 14/005 (2006.01)
C07K 14/705 (2006.01)
C12N 15/86 (2006.01)
A61K 35/766 (2015.01)
(54) RECOMBINANT RHABDOVIRUS ENCODING FOR A CD80 EXTRACELLULAR DOMAIN FCFUSION PROTEIN
(71) BOEHRINGER INGELHEIM INTERNATIONAL GMBH
(72) WOLLMANN Guido, ERLMANN Patrik, ERB Klaus, et al
(74) Cronjé & Co.
(84) GH, KE
(86) 02.06.2021 PCT/EP2021/064728
(96) 02.06.2021 AP/P/2022/014508

●●

▶

Patent Applications Filed (Contd.)

(21) AP/P/2022/014509
(22) 13.05.2021
(23) 23.11.2022
(31) 63/130,242
(32) 23.12.2020 (33) US
(31) 63/034,220
(32) 03.06.2020 (33) US
(51) **A61K 31/4439 (2006.01)**
C07D 401/04 (2006.01)
C07D 471/04 (2006.01)
A61P 37/08 (2006.01)
A61K 31/506 (2006.01)
C07D 249/06 (2006.01)
A61P 25/00 (2006.01)
C07D 409/14 (2006.01)
A61P 29/00 (2006.01)
C07D 413/14 (2006.01)
A61P 35/00 (2006.01)
C07D 401/12 (2006.01)
A61P 11/00 (2006.01)
C07D 401/14 (2006.01)
A61P 13/12 (2006.01)
C07D 405/14 (2006.01)
A61P 9/00 (2006.01)
(54) LPA RECEPTOR ANTAGONISTS AND USES THEREOF
(71) GILEAD SCIENCES, INC.
(72) ZAGORSKA Anna, VENKATARAMANI Chandrasekar, TANG Doris T, et al
(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
(96) 13.05.2021 AP/P/2022/014509

●●

(21) AP/P/2022/014510
(22) 01.06.2021
(23) 23.11.2022
(31) 63/033,609
(32) 02.06.2020 (33) US
(51) **C07K 16/28 (2006.01)**
A61P 35/00 (2006.01)
(54) ANTIBODIES TO TIGIT
(71) ARCUS BIOSCIENCES, INC.
(72) LIPPINCOTT John, GAUTHIER Kelsey Sivick, ZHAO Xiaoning, et al
(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
(86) 01.06.2021 PCT/US2021/035268
(96) 01.06.2021 AP/P/2022/014510

●●

(21) AP/P/2022/014511
(22) 07.06.2021
(23) 23.11.2022
(31) 2020-099174
(32) 08.06.2020 (33) JP
(51) **A01P 7/04 (2006.01)**
A01N 51/00 (2006.01)
A01N 25/06 (2006.01)
A01N 25/04 (2006.01)
A01N 25/14 (2006.01)
(54) CONTROLLING METHOD FOR INFECTIOUS DISEASE VECTOR
(71) SUMITOMO CHEMICAL COMPANY, LIMITED
(72) UEBAYASHI Tsuguaki and NIIDE Mika
(74) FISHER CORMACK & BOTHA
(84) GH, GM, KE, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 07.06.2021 PCT/JP2021/021595
(96) 07.06.2021 AP/P/2022/014511

●●

(21) AP/P/2022/014512
(22) 09.07.2021
(23) 24.11.2022
(31) 2020/03850
(32) 09.07.2020 (33) ZA
(31) 2020/04008
(32) 09.07.2020 (33) ZA
(51) **A61K 38/18 (2006.01)**
A61P 31/12 (2006.01)
A61K 38/17 (2006.01)
A61K 39/00 (2006.01)
A61K 48/00 (2006.01)
(54) COMPOSITIONS AND METHODS USEFUL FOR THE PREVENTION AND/OR TREATMENT OF DISEASE IN MAMMALS
(71) VIRO-GEN (PTY) LTD
(72) DA SILVA Giesteria Patricia and OLGA Michelle Smit
(74) B. W. KAHARI LEGAL PRACTITIONERS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, ST, SZ, TZ, ZM, ZW
(86) 09.07.2021 PCT/İB2021/056179
(96) 09.07.2021 AP/P/2022/014512

●●

(21) AP/P/2022/014513
(22) 23.06.2017
(23) 24.11.2022
(31) 62/357,579
(32) 01.07.2016 (33) US
(51) **C07K 16/18 (2006.01)**
A61K 39/395 (2006.01)
A61P 25/28 (2006.01)
(54) ANTI-N3pGlu AMYLOID BETA PEPTIDE ANTIBODIES AND USES THEREOF
(71) ELI LILLY AND COMPANY
(72) IRIZARRY Michael Carl and DEMATTOS Ronald Bradley
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, NA
(86) 23.06.2017 PCT/US2017/038999
(96) 23.06.2017 AP/P/2022/014513

●●

(21) AP/P/2022/014514
(22) 24.05.2021
(23) 25.11.2022
(31) 63/039,686
(32) 16.06.2020 (33) US
(31) 63/029,962
(32) 26.05.2020 (33) US
(51) **C07K 16/28 (2006.01)**
A61K 39/395 (2006.01)
A61P 37/06 (2006.01)
(54) ANTI-PD-1 ANTIBODIES
(71) BOEHRINGER INGELHEIM INTERNATIONAL GMBH
(72) YANG Guangwei, WU Helen Haixia, WHITE Della M, et al
(74) Cronjé & Co.
(84) GH, KE
(86) 24.05.2021 PCT/US2021/033823
(96) 24.05.2021 AP/P/2022/014514

●●

(21) AP/P/2022/014515
(22) 20.05.2021
(23) 25.11.2022
(31) 20177038.5
(32) 28.05.2020 (33) EP
(51) **A01N 25/04 (2006.01)**
A01N 25/30 (2006.01)
A01P 21/00 (2006.01)
A01N 37/42 (2006.01)
(54) NEW TRINEXAPAC-ETHYL MICROEMULSION COMPOSITIONS
(71) SYNGENTA CROP PROTECTION AG
(72) BROQUET Jean-Charles and SOLANKI Rina
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) ZM
(86) 20.05.2021 PCT/EP2021/063557
(96) 20.05.2021 AP/P/2022/014515

●●

(21) AP/P/2022/014516
(22) 27.05.2021
(23) 28.11.2022
(31) 63/032,451
(32) 29.05.2020 (33) US
(51) **C07K 16/40 (2006.01)**
(54) PCSK9 INHIBITORS AND METHODS OF USE THEREOF TO TREAT CHOLESTEROL-RELATED DISORDERS
(71) AMGEN INC.
(72) KURTZ Christopher, RUZZA Andreas, WANG Huei, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW
(86) 27.05.2021 PCT/US2021/034489
(96) 27.05.2021 AP/P/2022/014516

●●

▶

Patent Applications Filed (Contd.)

(21) AP/P/2022/014517
(22) 20.05.2021
(23) 29.11.2022
(31) 20176894.2
(32) 27.05.2020 (33) EP
(51) **C09K 3/22 (2006.01)**
C09D 5/00 (2006.01)
(54) BIOCEMENTATION MIXTURE FOR DUST CONTROL AND RELATED APPLICATIONS
(71) BIND-X GMBH
(72) HORNUNG Florian, MERKL Jan-Philip, PAZUR Saskia, et al
(74) COGHLAN, WELSH & GUEST
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, TZ, UG, ZM, ZW
(86) 20.05.2021 PCT/EP2021/063459
(96) 20.05.2021 AP/P/2022/014517

●●

(21) AP/P/2022/014518
(22) 04.05.2021
(23) 29.11.2022
(31) SK PP 50023-2020
(32) 05.05.2020 (33) SK
(31) SK PP 50024-2020
(32) 05.05.2020 (33) SK
(51) **C09K 21/14 (2006.01)**
(54) FIREPROOF POLYMER ADDITIVE, METHOD OF ITS PRODUCTION AND APPLICATION
(71) MOVYCHEM, S.R.O.
(72) NĚMEČEK (JUDR.) Lubomír, MAGDINA (Ing.) Roman and VYLIMEC Jiří
(74) COGHLAN, WELSH & GUEST
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 04.05.2021 PCT/İB2021/053708
(96) 04.05.2021 AP/P/2022/014518

●●

(21) AP/P/2022/014519
(22) 09.06.2021
(23) 29.11.2022
(31) 10 2020 115 348.1
(32) 09.06.2020 (33) DE
(51) **C10B 53/07 (2006.01)**
C10B 47/30 (2006.01)
C10B 47/44 (2006.01)
(54) DEVICE AND METHOD FOR THE PYROLYSIS OF ORGANIC STARTING MATERIALS
(71) KLEAN INDUSTRIES
(72) LÖFFLER Martin and PELZ Eckard
(74) COGHLAN, WELSH & GUEST
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 09.06.2021 PCT/EP2021/065485
(96) 09.06.2021 AP/P/2022/014519

●●

(21) AP/P/2022/014520
(22) 29.11.2022
(23) 29.11.2022
(31) 2112673
(32) 29.11.2021 (33) FR
(51) **C08F 2/08 (2006.01)**
G02F 1/334 (2006.01)
C08J 11/04 (2006.01)
C08J 3/16 (2006.01)
B01D 53/10 (2006.01)
C08J 3/02 (2006.01)
C08J 3/05 (2006.01)
C08J 3/07 (2006.01)
(54) DEVICE FOR DISPERSING WATER-SOLUBLE POLYMERS
(71) SPCM SA
(72) BONNIER Julien and RIVAS Christophe
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(96) 29.11.2022 AP/P/2022/014520

●●

(21) AP/P/2022/014521
(22) 12.05.2021
(23) 29.11.2022
(31) u202003063
(32) 22.05.2020 (33) UA
(31) a202002870
(32) 12.05.2020 (33) UA
(51) **A61P 7/08 (2006.01)**
A61K 9/00 (2006.01)
A61K 47/12 (2006.01)
(54) COMBINED HYPEROSMOLAR SOLUTION FOR INFUSION
(71) M.T.K. MEDICAL CENTER LIMITED LIABILITY COMPANY
(72) DERKACH Dmytro Ivanovych, KONDRATSKYI Bohdan Oleksiiovych, DERKACH Nataliia Mykolaivna, et al
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, KE, NA, SD, TZ, UG, ZM, ZW
(86) 12.05.2021 PCT/İB2021/054055
(96) 12.05.2021 AP/P/2022/014521

●●

(21) AP/P/2022/014522
(22) 11.07.2019
(23) 30.11.2022
(31) 62/697,100
(32) 12.07.2018 (33) US
(51) **C07D 491/052 (2006.01)**
A61K 31/436 (2006.01)
A61P 35/00 (2006.01)
(54) SELECTIVE ESTROGEN RECEPTOR DEGRADERS
(71) ELI LILLY AND COMPANY
(72) SALL Daniel Jon, RUBIO Almudena, COHEN Jeffrey Daniel, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, NA
(86) 11.07.2019 PCT/US2019/041334
(96) 11.07.2019 AP/P/2022/014522

●●

(21) AP/P/2022/014523
(22) 18.01.2018
(23) 30.11.2022
(31) 62/448,019
(32) 19.01.2017 (33) US
(51) **C12N 15/82 (2006.01)**
C12N 15/79 (2006.01)
C12N 15/29 (2006.01)
C12N 15/11 (2006.01)
A01H 5/10 (2018.01)
(54) PLANT REGULATORY ELEMENTS AND USES THEREOF
(71) MONSANTO TECHNOLOGY LLC
(72) SHARIFF Aabid and DAVIS Ian W
(74) Cronjé & Co.
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 18.01.2018 PCT/US2018/014155
(96) 18.01.2018 AP/P/2022/014523

●●

(21) AP/P/2022/014524
(22) 18.01.2018
(23) 30.11.2022
(31) 62/448,019
(32) 19.01.2017 (33) US
(51) **C12N 15/79 (2006.01)**
C12N 15/29 (2006.01)
C12N 15/11 (2006.01)
A01H 5/10 (2018.01)
C12N 15/82 (2006.01)
(54) PLANT REGULATORY ELEMENTS AND USES THEREOF
(71) MONSANTO TECHNOLOGY LLC
(72) SHARIFF Aabid and DAVIS Ian W
(74) Cronjé & Co.
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(86) 18.01.2018 PCT/US2018/014155
(96) 18.01.2018 AP/P/2022/014524

●●

(21) AP/P/2022/014525
(22) 01.06.2021
(23) 30.11.2022
(31) 202011023743
(32) 05.06.2020 (33) IN
(51) **H02J 7/14 (2006.01)**
B60W 20/14 (2016.01)
B60L 50/15 (2019.01)
(54) SYSTEM AND METHOD FOR STORING INSTANT REGENERATION IN ELECTRIC VEHICLES
(71) IPLTECH ELECTRIC PRIVATE LIMITED
(72) DAS Siddhartha
(74) ENSafrica Namibia
(84) BW, KE, NA, UG, ZW
(86) 01.06.2021 PCT/İB2021/054791
(96) 01.06.2021 AP/P/2022/014525

●●

■

Patent Applications Renewed

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2014/007635	09.11.2022	16.11.2023	10th yr
AP/P/2015/008474	21.11.2022	14.11.2023	9th yr
AP/P/2015/008523	14.11.2022	21.11.2023	9th yr
AP/P/2016/009222	28.10.2022	04.11.2023	8th yr
AP/P/2016/009275	31.10.2022	17.12.2023	8th yr
AP/P/2017/009928	07.11.2022	12.11.2023	7th yr
AP/P/2017/009946	09.11.2022	25.11.2023	8th yr
AP/P/2017/010198	14.11.2022	22.02.2024	7th yr
AP/P/2018/010446	04.10.2022	26.06.2022	6th yr
AP/P/2018/010446	04.10.2022	26.06.2023	7th yr
AP/P/2018/010814	11.11.2022	21.11.2023	6th yr
AP/P/2019/011360	08.11.2022	14.06.2020	1st yr
AP/P/2019/011371	07.11.2022	17.11.2023	6th yr
AP/P/2019/011414	25.11.2022	17.12.2023	9th yr
AP/P/2019/011533	14.11.2022	25.11.2023	6th yr
AP/P/2019/011576	31.10.2022	13.10.2023	5th yr
AP/P/2019/011578	16.11.2022	20.11.2023	5th yr
AP/P/2019/011587	03.11.2022	09.11.2023	5th yr
AP/P/2019/011588	09.11.2022	14.11.2023	5th yr
AP/P/2019/011604	15.11.2022	22.11.2023	5th yr
AP/P/2019/011606	14.11.2022	20.11.2023	5th yr
AP/P/2019/011613	10.11.2022	13.11.2023	5th yr
AP/P/2019/011614	18.11.2022	24.11.2023	5th yr
AP/P/2019/011617	31.10.2022	05.12.2023	5th yr
AP/P/2019/011628	09.11.2022	09.11.2023	5th yr
AP/P/2019/011659	07.11.2022	15.12.2023	5th yr
AP/P/2019/011706	25.11.2022	11.12.2023	5th yr
AP/P/2019/011732	31.10.2022	24.01.2020	1st yr
AP/P/2019/011732	31.10.2022	24.01.2020	1st yr
AP/P/2019/011821	18.11.2022	22.11.2023	5th yr
AP/P/2019/011823	11.11.2022	01.12.2023	5th yr
AP/P/2019/011858	11.11.2022	05.12.2023	5th yr
AP/P/2019/011914	18.11.2022	31.01.2024	5th yr
AP/P/2019/011985	07.11.2022	14.11.2023	3rd yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2019/012024	08.11.2022	27.11.2023	3rd yr
AP/P/2019/012025	08.11.2022	27.11.2023	3rd yr
AP/P/2019/012125	18.11.2022	22.05.2023	4th yr
AP/P/2020/012362	02.11.2022	13.11.2023	4th yr
AP/P/2020/012364	02.11.2022	13.11.2023	4th yr
AP/P/2020/012389	09.11.2022	16.11.2023	4th yr
AP/P/2020/012390	07.11.2022	21.12.2023	4th yr
AP/P/2020/012395	31.10.2022	09.11.2023	4th yr
AP/P/2020/012397	10.11.2022	13.11.2023	4th yr
AP/P/2020/012398	07.11.2022	16.11.2023	4th yr
AP/P/2020/012407	18.11.2022	21.11.2023	4th yr
AP/P/2020/012408	10.11.2022	13.11.2023	4th yr
AP/P/2020/012416	07.11.2022	15.11.2023	4th yr
AP/P/2020/012425	18.11.2022	27.11.2023	4th yr
AP/P/2020/012426	09.11.2022	30.11.2023	4th yr
AP/P/2020/012427	09.11.2022	29.11.2023	4th yr
AP/P/2020/012432	10.11.2022	14.11.2023	4th yr
AP/P/2020/012434	21.11.2022	20.12.2023	4th yr
AP/P/2020/012441	07.11.2022	16.11.2023	4th yr
AP/P/2020/012442	07.11.2022	18.12.2023	4th yr
AP/P/2020/012445	28.11.2022	06.12.2023	5th yr
AP/P/2020/012450	07.11.2022	15.11.2023	4th yr
AP/P/2020/012458	03.11.2022	16.11.2023	4th yr
AP/P/2020/012462	21.11.2022	03.12.2023	4th yr
AP/P/2020/012463	28.10.2022	14.11.2023	4th yr
AP/P/2020/012468	28.10.2022	11.12.2023	4th yr
AP/P/2020/012469	08.11.2022	13.11.2023	4th yr
AP/P/2020/012470	09.11.2022	21.11.2023	5th yr
AP/P/2020/012471	21.11.2022	19.12.2023	4th yr
AP/P/2020/012473	14.11.2022	13.11.2023	4th yr
AP/P/2020/012477	21.11.2022	14.12.2023	4th yr
AP/P/2020/012483	07.11.2022	29.11.2023	4th yr
AP/P/2020/012484	07.11.2022	19.11.2023	4th yr
AP/P/2020/012490	07.11.2022	21.12.2023	4th yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2020/012493	14.11.2022	07.12.2023	4th yr
AP/P/2020/012497	09.11.2022	23.11.2023	4th yr
AP/P/2020/012498	25.11.2022	11.12.2023	4th yr
AP/P/2020/012509	22.11.2022	28.11.2023	4th yr
AP/P/2020/012521	21.11.2022	04.12.2023	4th yr
AP/P/2020/012523	07.11.2022	18.12.2023	4th yr
AP/P/2020/012530	31.10.2022	19.12.2023	4th yr
AP/P/2020/012543	28.11.2022	20.12.2023	4th yr
AP/P/2020/012557	07.11.2022	21.12.2023	4th yr
AP/P/2020/012566	21.11.2022	08.01.2024	4th yr
AP/P/2020/012586	21.11.2022	01.02.2024	4th yr
AP/P/2020/012605	25.11.2022	15.02.2024	5th yr
AP/P/2020/012641	21.11.2022	07.02.2024	4th yr
AP/P/2020/012717	25.11.2022	17.03.2024	4th yr
AP/P/2020/012767	04.11.2022	05.11.2023	2nd yr
AP/P/2020/012768	04.11.2022	05.11.2023	2nd yr
AP/P/2020/012822	18.11.2022	27.11.2023	2nd yr
AP/P/2020/012824	18.11.2022	27.11.2023	2nd yr
AP/P/2020/012825	18.11.2022	27.11.2023	2nd yr
AP/P/2020/012848	25.11.2022	17.04.2024	4th yr
AP/P/2020/012862	21.11.2022	14.12.2023	2nd yr
AP/P/2021/012935	31.10.2022	14.12.2023	6th yr
AP/P/2021/013005	09.11.2022	21.11.2023	4th yr
AP/P/2021/013009	18.11.2022	25.11.2023	3rd yr
AP/P/2021/013124	25.11.2022	18.12.2023	5th yr
AP/P/2021/013133	28.11.2022	02.12.2023	3rd yr
AP/P/2021/013150	10.11.2022	18.11.2023	3rd yr
AP/P/2021/013158	09.11.2022	19.11.2023	3rd yr
AP/P/2021/013168	10.11.2022	12.11.2023	3rd yr
AP/P/2021/013170	09.11.2022	19.11.2023	3rd yr
AP/P/2021/013174	09.11.2022	19.11.2023	3rd yr
AP/P/2021/013191	31.10.2022	13.11.2023	3rd yr
AP/P/2021/013194	18.11.2022	22.11.2023	3rd yr
AP/P/2021/013198	22.11.2022	21.11.2023	3rd yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2021/013200	31.10.2022	20.11.2023	3rd yr
AP/P/2021/013208	28.10.2022	28.10.2023	3rd yr
AP/P/2021/013217	03.11.2022	05.11.2023	3rd yr
AP/P/2021/013226	21.11.2022	27.11.2023	3rd yr
AP/P/2021/013230	28.11.2022	05.12.2023	3rd yr
AP/P/2021/013231	31.10.2022	12.12.2023	3rd yr
AP/P/2021/013234	31.10.2022	19.12.2023	9th yr
AP/P/2021/013239	25.10.2022	05.11.2023	3rd yr
AP/P/2021/013244	28.11.2022	05.12.2023	3rd yr
AP/P/2021/013246	22.11.2022	03.12.2023	3rd yr
AP/P/2021/013247	28.11.2022	04.12.2023	3rd yr
AP/P/2021/013250	28.11.2022	05.12.2023	3rd yr
AP/P/2021/013253	28.11.2022	04.12.2023	3rd yr
AP/P/2021/013257	25.11.2022	10.12.2023	3rd yr
AP/P/2021/013260	04.11.2022	17.12.2023	3rd yr
AP/P/2021/013267	03.11.2022	20.11.2023	3rd yr
AP/P/2021/013271	26.10.2022	21.11.2023	3rd yr
AP/P/2021/013272	15.11.2022	19.11.2023	3rd yr
AP/P/2021/013275	31.10.2022	20.12.2023	3rd yr
AP/P/2021/013277	07.11.2022	20.11.2023	3rd yr
AP/P/2021/013278	11.11.2022	11.12.2023	3rd yr
AP/P/2021/013279	25.11.2022	18.12.2023	3rd yr
AP/P/2021/013282	09.11.2022	25.11.2023	3rd yr
AP/P/2021/013283	25.11.2022	10.12.2023	3rd yr
AP/P/2021/013285	08.11.2022	22.11.2023	3rd yr
AP/P/2021/013287	18.11.2022	04.12.2023	3rd yr
AP/P/2021/013289	24.11.2022	29.11.2023	3rd yr
AP/P/2021/013293	23.11.2022	27.11.2023	3rd yr
AP/P/2021/013295	07.11.2022	15.11.2023	3rd yr
AP/P/2021/013297	22.11.2022	06.12.2023	3rd yr
AP/P/2021/013308	28.11.2022	03.12.2023	3rd yr
AP/P/2021/013308	23.11.2022	03.12.2021	1st yr
AP/P/2021/013314	21.11.2022	11.12.2023	3rd yr
AP/P/2021/013316	25.11.2022	04.12.2023	3rd yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2021/013317	18.11.2022	06.12.2023	3rd yr
AP/P/2021/013328	21.11.2022	17.12.2023	3rd yr
AP/P/2021/013330	21.11.2022	13.12.2023	3rd yr
AP/P/2021/013339	31.10.2022	25.12.2023	3rd yr
AP/P/2021/013353	28.11.2022	23.01.2024	3rd yr
AP/P/2021/013356	28.11.2022	18.12.2023	3rd yr
AP/P/2021/013371	31.10.2022	10.12.2023	3rd yr
AP/P/2021/013386	23.11.2022	31.01.2024	4th yr
AP/P/2021/013428	21.11.2022	07.02.2024	4th yr
AP/P/2021/013429	21.11.2022	07.02.2024	4th yr
AP/P/2021/013462	15.11.2022	17.12.2023	3rd yr
AP/P/2021/013474	16.11.2022	08.09.2023	1st yr
AP/P/2021/013491	25.11.2022	02.12.2023	3rd yr
AP/P/2021/013493	14.11.2022	18.03.2024	3rd yr
AP/P/2021/013503	31.10.2022	04.11.2023	3rd yr
AP/P/2021/013536	11.11.2022	02.04.2024	3rd yr
AP/P/2021/013556	09.11.2022	16.10.2023	1st yr
AP/P/2021/013698	01.11.2022	15.11.2022	8th yr
AP/P/2022/013769	22.11.2022	18.01.2024	1st yr
AP/P/2022/013862	04.11.2022	02.09.2023	2nd yr
AP/P/2022/013918	04.11.2022	20.11.2023	3rd yr
AP/P/2022/013920	28.10.2022	09.11.2023	2nd yr
AP/P/2022/013943	31.10.2022	04.11.2023	2nd yr
AP/P/2022/014002	09.11.2022	09.11.2023	2nd yr
AP/P/2022/014004	18.11.2022	30.11.2023	1st yr
AP/P/2022/014011	31.10.2022	07.11.2022	1st yr
AP/P/2022/014011	18.11.2022	07.11.2023	2nd yr
AP/P/2022/014022	31.10.2022	05.11.2023	2nd yr
AP/P/2022/014028	28.10.2022	30.10.2023	2nd yr
AP/P/2022/014029	01.11.2022	11.11.2023	2nd yr
AP/P/2022/014039	22.11.2022	24.11.2023	2nd yr
AP/P/2022/014041	31.10.2022	07.11.2022	1st yr
AP/P/2022/014041	18.11.2022	07.11.2023	2nd yr
AP/P/2022/014046	11.11.2022	28.12.2023	10th yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2022/014047	09.11.2022	26.10.2023	2nd yr
AP/P/2022/014050	09.11.2022	24.11.2023	2nd yr
AP/P/2022/014054	18.11.2022	25.11.2023	2nd yr
AP/P/2022/014058	02.11.2022	17.12.2023	2nd yr
AP/P/2022/014062	18.11.2022	21.08.2023	2nd yr
AP/P/2022/014062	31.10.2022	21.08.2022	1st yr
AP/P/2022/014064	28.11.2022	02.12.2023	2nd yr
AP/P/2022/014070	28.11.2022	02.12.2023	2nd yr
AP/P/2022/014074	15.11.2022	12.11.2022	1st yr
AP/P/2022/014074	15.11.2022	12.11.2022	1st yr
AP/P/2022/014081	31.10.2022	24.11.2023	2nd yr
AP/P/2022/014083	31.10.2022	18.12.2023	2nd yr
AP/P/2022/014089	07.11.2022	17.12.2023	2nd yr
AP/P/2022/014097	09.11.2022	27.11.2023	3rd yr
AP/P/2022/014106	21.11.2022	03.12.2023	2nd yr
AP/P/2022/014107	14.11.2022	16.12.2023	2nd yr
AP/P/2022/014112	31.10.2022	08.12.2023	2nd yr
AP/P/2022/014113	31.10.2022	07.12.2023	2nd yr
AP/P/2022/014114	25.11.2022	11.12.2023	2nd yr
AP/P/2022/014118	31.10.2022	08.12.2023	2nd yr
AP/P/2022/014122	31.10.2022	07.12.2023	2nd yr
AP/P/2022/014123	31.10.2022	08.12.2023	2nd yr
AP/P/2022/014124	31.10.2022	07.12.2023	2nd yr
AP/P/2022/014125	31.10.2022	07.12.2023	2nd yr
AP/P/2022/014126	31.10.2022	08.12.2023	2nd yr
AP/P/2022/014131	11.11.2022	18.12.2023	2nd yr
AP/P/2022/014135	22.11.2022	23.11.2023	2nd yr
AP/P/2022/014149	07.11.2022	25.11.2023	2nd yr
AP/P/2022/014150	21.11.2022	04.12.2023	2nd yr
AP/P/2022/014151	25.11.2022	04.12.2023	2nd yr
AP/P/2022/014153	18.11.2022	20.11.2023	2nd yr
AP/P/2022/014156	25.11.2022	04.12.2023	2nd yr
AP/P/2022/014157	28.11.2022	02.12.2023	2nd yr
AP/P/2022/014158	11.11.2022	24.11.2023	2nd yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2022/014162	25.11.2022	04.12.2023	2nd yr
AP/P/2022/014163	21.11.2022	08.01.2024	2nd yr
AP/P/2022/014164	18.11.2022	09.12.2023	2nd yr
AP/P/2022/014167	25.11.2022	10.12.2023	2nd yr
AP/P/2022/014174	04.11.2022	27.11.2023	2nd yr
AP/P/2022/014175	22.11.2022	26.11.2023	2nd yr
AP/P/2022/014176	25.11.2022	02.12.2023	2nd yr
AP/P/2022/014177	22.11.2022	26.11.2023	2nd yr
AP/P/2022/014181	21.11.2022	11.12.2023	2nd yr
AP/P/2022/014183	25.11.2022	07.12.2023	2nd yr
AP/P/2022/014187	31.10.2022	27.11.2023	2nd yr
AP/P/2022/014189	11.11.2022	18.12.2023	2nd yr
AP/P/2022/014196	31.10.2022	18.12.2023	2nd yr
AP/P/2022/014215	07.11.2022	18.12.2023	2nd yr
AP/P/2022/014224	25.11.2022	19.05.2022	1st yr
AP/P/2022/014224	25.11.2022	19.05.2023	2nd yr
AP/P/2022/014225	25.11.2022	19.05.2022	1st yr
AP/P/2022/014225	25.11.2022	19.05.2023	2nd yr
AP/P/2022/014226	25.11.2022	19.05.2022	1st yr
AP/P/2022/014229	21.11.2022	06.01.2024	2nd yr
AP/P/2022/014241	21.11.2022	06.01.2024	2nd yr
AP/P/2022/014269	18.11.2022	26.02.2023	1st yr
AP/P/2022/014322	07.11.2022	26.02.2024	2nd yr
AP/P/2022/014323	07.11.2022	26.02.2024	2nd yr
AP/P/2022/014325	07.11.2022	26.02.2024	2nd yr
AP/P/2022/014366	31.10.2022	28.04.2023	1st yr
AP/P/2022/014367	31.10.2022	30.03.2023	1st yr
AP/P/2022/014379	31.10.2022	31.10.2023	2nd yr
AP/P/2022/014389	18.10.2022	18.05.2023	1st yr
AP/P/2022/014390	18.10.2022	25.06.2023	1st yr
AP/P/2022/014401	28.10.2022	18.03.2023	1st yr
AP/P/2022/014402	31.10.2022	29.04.2023	1st yr
AP/P/2022/014411	25.10.2022	16.06.2023	1st yr
AP/P/2022/014412	15.11.2022	20.04.2023	1st yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2022/014413	25.10.2022	16.06.2023	1st yr
AP/P/2022/014417	31.10.2022	24.03.2023	1st yr
AP/P/2022/014419	31.10.2022	20.10.2023	2nd yr
AP/P/2022/014419	31.10.2022	20.10.2022	1st yr
AP/P/2022/014420	22.11.2022	28.04.2023	1st yr
AP/P/2022/014421	22.11.2022	25.03.2023	1st yr
AP/P/2022/014422	02.11.2022	23.04.2023	1st yr
AP/P/2022/014423	01.11.2022	05.05.2023	1st yr
AP/P/2022/014424	31.10.2022	03.06.2023	2nd yr
AP/P/2022/014424	31.10.2022	03.06.2022	1st yr
AP/P/2022/014425	31.10.2022	23.03.2023	1st yr
AP/P/2022/014426	18.11.2022	30.03.2023	1st yr
AP/P/2022/014427	28.10.2022	19.04.2023	1st yr
AP/P/2022/014428	31.10.2022	05.05.2023	1st yr
AP/P/2022/014429	31.10.2022	25.03.2023	1st yr
AP/P/2022/014430	31.10.2022	02.04.2023	1st yr
AP/P/2022/014431	31.10.2022	06.04.2023	1st yr
AP/P/2022/014433	31.10.2022	09.04.2023	1st yr
AP/P/2022/014434	31.10.2022	16.04.2023	1st yr
AP/P/2022/014435	31.10.2022	28.04.2023	1st yr
AP/P/2022/014436	31.10.2022	07.05.2024	2nd yr
AP/P/2022/014436	31.10.2022	07.05.2023	1st yr
AP/P/2022/014437	31.10.2022	23.04.2023	1st yr
AP/P/2022/014438	31.10.2022	23.04.2023	1st yr
AP/P/2022/014438	31.10.2022	23.04.2024	2nd yr
AP/P/2022/014439	03.11.2022	29.04.2023	1st yr
AP/P/2022/014441	31.10.2022	23.04.2023	1st yr
AP/P/2022/014441	31.10.2022	23.04.2024	2nd yr
AP/P/2022/014442	15.11.2022	20.04.2022	1st yr
AP/P/2022/014442	15.11.2022	20.04.2023	2nd yr
AP/P/2022/014443	02.11.2022	04.05.2023	1st yr
AP/P/2022/014444	01.11.2022	28.04.2023	1st yr
AP/P/2022/014445	01.11.2022	28.10.2024	1st yr
AP/P/2022/014446	22.11.2022	11.06.2023	1st yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2022/014447	22.11.2022	11.06.2023	1st yr
AP/P/2022/014448	07.11.2022	05.05.2023	1st yr
AP/P/2022/014449	01.11.2022	07.04.2023	1st yr
AP/P/2022/014450	15.11.2022	23.04.2023	1st yr
AP/P/2022/014451	04.11.2022	24.06.2023	1st yr
AP/P/2022/014452	04.11.2022	17.05.2023	1st yr
AP/P/2022/014453	09.11.2022	10.05.2023	1st yr
AP/P/2022/014454	22.11.2022	09.04.2023	1st yr
AP/P/2022/014455	24.11.2022	18.05.2023	1st yr
AP/P/2022/014456	01.11.2022	07.04.2023	1st yr
AP/P/2022/014457	22.11.2022	11.06.2023	1st yr
AP/P/2022/014458	07.11.2022	15.04.2023	1st yr
AP/P/2022/014459	22.11.2022	20.03.2021	1st yr
AP/P/2022/014459	22.11.2022	20.03.2022	2nd yr
AP/P/2022/014459	22.11.2022	20.03.2023	3rd yr
AP/P/2022/014461	09.11.2022	07.04.2023	1st yr
AP/P/2022/014462	15.11.2022	05.04.2023	1st yr
AP/P/2022/014463	09.11.2022	03.05.2023	1st yr
AP/P/2022/014463	09.11.2022	03.05.2024	2nd yr
AP/P/2022/014465	11.11.2022	21.04.2023	1st yr
AP/P/2022/014465	11.11.2022	21.04.2024	2nd yr
AP/P/2022/014466	09.11.2022	04.05.2023	1st yr
AP/P/2022/014467	11.11.2022	19.04.2024	2nd yr
AP/P/2022/014467	11.11.2022	19.04.2023	1st yr
AP/P/2022/014468	09.11.2022	30.04.2023	1st yr
AP/P/2022/014468	09.11.2022	30.04.2024	2nd yr
AP/P/2022/014469	09.11.2022	07.04.2023	1st yr
AP/P/2022/014469	09.11.2022	07.04.2024	2nd yr
AP/P/2022/014470	11.11.2022	22.04.2023	1st yr
AP/P/2022/014471	11.11.2022	22.04.2023	1st yr
AP/P/2022/014472	11.11.2022	10.05.2023	1st yr
AP/P/2022/014474	11.11.2022	14.04.2023	1st yr
AP/P/2022/014476	16.11.2022	14.05.2023	1st yr
AP/P/2022/014479	16.11.2022	12.05.2023	1st yr

Patent Applications Renewed (Contd.)

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/P/2022/014479	16.11.2022	12.05.2024	2nd yr
AP/P/2022/014480	25.11.2022	14.05.2023	1st yr
AP/P/2022/014481	16.11.2022	14.04.2023	1st yr
AP/P/2022/014481	16.11.2022	14.04.2024	2nd yr
AP/P/2022/014483	21.11.2022	13.05.2023	1st yr
AP/P/2022/014483	21.11.2022	13.05.2024	2nd yr
AP/P/2022/014484	21.11.2022	12.05.2023	1st yr
AP/P/2022/014485	21.11.2022	21.06.2023	1st yr
AP/P/2022/014486	21.11.2022	16.04.2023	1st yr
AP/P/2022/014486	21.11.2022	16.04.2024	2nd yr
AP/P/2022/014487	18.11.2022	30.04.2022	1st yr
AP/P/2022/014487	18.11.2022	30.04.2023	2nd yr
AP/P/2022/014488	21.11.2022	26.03.2023	4th yr
AP/P/2022/014488	21.11.2022	26.03.2020	1st yr
AP/P/2022/014488	21.11.2022	26.03.2021	2nd yr
AP/P/2022/014488	21.11.2022	26.03.2022	3rd yr
AP/P/2022/014489	21.11.2022	21.06.2023	1st yr
AP/P/2022/014491	21.11.2022	25.05.2023	1st yr
AP/P/2022/014492	21.11.2022	27.05.2023	1st yr
AP/P/2022/014494	25.11.2022	28.04.2022	1st yr
AP/P/2022/014494	25.11.2022	28.04.2023	2nd yr
AP/P/2022/014495	21.11.2022	19.05.2023	1st yr
AP/P/2022/014496	18.11.2022	26.05.2023	1st yr
AP/P/2022/014497	18.11.2022	07.06.2023	1st yr
AP/P/2022/014498	18.11.2022	19.05.2023	1st yr
AP/P/2022/014504	28.11.2022	27.05.2022	1st yr
AP/P/2022/014504	28.11.2022	27.05.2023	2nd yr
AP/P/2022/014505	25.11.2022	03.05.2023	1st yr
AP/P/2022/014506	28.11.2022	09.06.2022	1st yr
AP/P/2022/014506	28.11.2022	09.06.2023	2nd yr
AP/P/2022/014507	25.11.2022	06.05.2023	1st yr
AP/P/2022/014511	25.11.2022	07.06.2023	1st yr

Patent Applications Lapsed/Abandoned

(21) AP/P/2014/008132
(23) 10.11.2022
(51) **E21C 27/12 (2006.01)**
(54) EFFICIENT IMPACT BLANKING DIGGING METHOD WITHOUT MATERIAL CLAMPING AND EFFICIENT IMPACT BLANKING DIGGING MACHINE WITHOUT MATERIAL CLAMPING
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(75) LIU Suhua
(84) ZW

●●

(21) AP/P/2017/010387
(23) 28.11.2022
(51) **C12N 5/0784 (2010.01)**
C12N 5/0783 (2010.01)
A61K 35/26 (2015.01)
(54) METHODS OF CONDITIONING PATIENTS FOR T CELL THERAPY
(71) The United States of America, as represented by The Secretary, Department of Health and Human Services and KITE PHARMA, INC.
(72) ROSENBERG Steven A, KOCHENDERFER James N, WIEZOREK Jeffrey S, 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

●●

(21) AP/P/2017/010390
(23) 28.11.2022
(51) **C12N 15/19 (2006.01)**
C12N 5/0783 (2010.01)
C12N 15/24 (2006.01)
A61K 35/17 (2006.01)
C12N 5/10 (2006.01)
A61K 38/20 (2006.01)
(54) DIAGNOSTIC METHODS FOR T CELL THERAPY
(71) The United States of America, as represented by The Secretary, Department of Health and Human Services and KITE PHARMA, INC.
(72) ROSENBERG Steven A, KOCHENDERFER James N, JAIN Rajul, 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

●●

(21) AP/P/2018/011122
(23) 28.11.2022
(51) **A45C 11/18 (2006.01)**
B65D 83/08 (2006.01)
(54) CREDIT CARD EJECTOR HAVING BREAK COUPLING
(71) R.J. VAN GEER BEHEER BV
(72) VAN GEER René Johan
(74) COGHLAN, WELSH & GUEST
(84) KE, MZ, TZ

●●

(21) AP/P/2018/011124
(23) 16.11.2022
(51) **A61K 31/573 (2006.01)**
A61K 31/4439 (2006.01)
A61P 35/00 (2006.01)
A61K 9/14 (2006.01)
A61K 31/58 (2006.01)
A61K 9/20 (2006.01)
(54) ANTICANCER COMPOSITIONS
(71) ARAGON PHARMACEUTICALS, INC.
(72) MENSCH Jurgen and BERTELS Johny
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2018/011205
(23) 11.11.2022
(51) **F16B 21/12 (2006.01)**
F16B 2/22 (2006.01)
F16B 19/02 (2006.01)
F16B 21/02 (2006.01)
E02F 9/28 (2006.01)
F16B 1/00 (2006.01)
(54) CONNECTOR SYSTEMS IN EARTH ENGAGING WEAR MEMBER ASSEMBLIES
(71) HENSLEY INDUSTRIES, INC.
(72) DIAZ Isai, WAWERU Lawrence Ngigi, VEGUNTA Venkat Prakash, et al
(74) GILL, GODLONTON & GERRANS
(84) BW, GH, MZ, NA, TZ, ZM, ZW

●●

(21) AP/P/2019/011293
(23) 11.11.2022
(51) **C22C 33/04 (2006.01)**
C22C 33/08 (2006.01)
C22C 37/06 (2006.01)
C22C 29/02 (2006.01)
(54) EROSION AND CORROSION RESISTANT WHITE CAST IRONS
(71) WEIR MINERALS AUSTRALIA LTD
(72) LUCEY Timothy Justin and DOLMAN Kevin Francis
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, NA, SL, TZ, ZM, ZW

●●

(21) AP/P/2019/011462
(23) 11.11.2022
(51) **C08J 3/24 (2006.01)**
B02C 17/22 (2006.01)
C08L 9/00 (2006.01)
C08K 5/04 (2006.01)
C08L 3/06 (2006.01)
C08K 5/00 (2006.01)
C08L 7/00 (2006.01)
C08K 3/36 (2006.01)
C08L 15/00 (2006.01)
C08K 5/5415 (2006.01)
(54) WEAR-RESISTANT RUBBER COMPOSITIONS, SYSTEMS, AND METHODS
(71) WEIR SLURRY GROUP, INC.
(72) LANE Timothy, MENG Tham, CLARK Sanford W., et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, NA, TZ, ZM, ZW

●●

(21) AP/P/2019/011541
(23) 07.11.2022
(51) **G06Q 50/30**
G06Q 10/02 (2015.01)
G06Q 10/06
G06Q 10/08 (2015.01)
H04L 67/00
H04W 12/06 (2015.01)
G08G1/123
G08G1/09 (2015.01)
(54) A METHOD FOR VERIFYING PERMISSION FOR TRANSPORT OF A PASSENGER, AND AN ASSOCIATED VERIFICATION SYSTEM
(71) MINEX 360 SERVICES LIMITED
(72) NATIE Frank Domanaangmen
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2019/011615
(23) 16.11.2022
(51) **A01N43/00 A01N37/00 (2015.01)**
C07D261/04 A01N53/00 (2015.01)
(54) COMPOSITIONS FOR ATTRACTING TSETSE FLIES AND RELATED BLOOD-FEEDING INSECTS
(71) Kenyatta University and Biotechnology Research Institute - Kenya Agricultural and Livestock Research Organization
(72) OKOTH Sylvance, MURILLA Grace, PAUL O. Mireji, et al
(74) Biotechnology Research Institute - Kenya Agricultural and Livestock Research Organization
(84) MZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2019/011971
(23) 24.11.2022
(51) **A23G 1/06 (2006.01)**
A23N 12/00 (2006.01)
(54) EQUIPMENT FOR PROCESSING ALMONDS
(71) JAF INOX INDÚSTRIA DE MÁQUINAS DE CHOCOLATES S.A.
(72) PEDROSO Adriano Sartori
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) GH

●●

▶

Patent Applications Lapsed/Abandoned (Contd.)

(21) AP/P/2019/012019
(23) 28.11.2022
(51) **A61P 31/18 (2006.01)**
A61P 31/22 (2006.01)
A61P 31/16 (2006.01)
A61K 38/04 (2006.01)
A61K 38/08 (2006.01)
A61K 38/10 (2006.01)
A61P 31/12 (2006.01)
A61K 38/00 (2006.01)
(54) PEPTIDES AND USES THEREFOR AS ANTIVIRAL AGENTS
(71) VIRAMATIX SDN BHD
(72) MOHAMED IBRAHIM Mohamed Rajik
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012526
(23) 11.11.2022
(51) **B02C 4/30 (2006.01)**
B02C 25/00 (2006.01)
F04D 29/40 (2006.01)
B02C 23/00 (2006.01)
F04D 29/22 (2006.01)
(54) COMPOSITE METAL COMPONENT AND METHOD OF PRODUCING SAME
(71) WEIR MINERALS AUSTRALIA LTD
(72) BOURGEOIS Ronald Joseph, KOSMICKI Randy James, JENKINS Lee, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, NA, SL, TZ, ZM, ZW

●●

(21) AP/P/2020/012686
(23) 11.11.2022
(51) **C07K 14/785 (2006.01)**
B03C 1/30 (2006.01)
A61K 38/17 (2006.01)
(54) SYSTEMS AND METHODS FOR CHARACTERIZING SURFACTANT PROTEIN D (SP-D) OLIGOMERS
(71) AIRWAY THERAPEUTICS, INC.
(72) MANNING Ryan R, MANNING Mark Cornell and ROSENBAUM Jan Susan
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013085
(23) 17.09.2022
(51) **B03B 9/06 (2006.01)**
B02C 23/12 (2006.01)
B02C 23/14 (2006.01)
(54) METHOD AND PLANT FOR AERAULIC SEPARATION
(71) SOCIETE FINANCIERE INDUSTRIELLE
(72) PEYS Stéphane
(74) SAMURIWO ATTORNEYS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013104
(23) 19.09.2022
(51) **A61K 31/497 (2006.01)**
A61P 17/00 (2006.01)
A61P 17/18 (2006.01)
A61K 31/381 (2006.01)
C07D 409/04 (2006.01)
(54) ROTOMERIC ISOMERS OF 4-ALKYL-5-HETEROARYL-3H-1,2- DITHIOLE-3-THIONES
(71) ST IP HOLDING AG
(72) FRAMROZE Bomi
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013169
(23) 28.11.2022
(51) **C07D 471/04 (2006.01)**
A61K 31/4709 (2006.01)
A61K 31/444 (2006.01)
A61K 31/4375 (2006.01)
C07D 401/12 (2006.01)
C07D 401/14 (2006.01)
C07D 405/14 (2006.01)
C07D 413/14 (2006.01)
A61P 7/06 (2006.01)
A61P 35/00 (2006.01)
(54) PYRAZOLES AS MODULATORS OF HEMOGLOBIN
(71) PFIZER INC.
(72) CABRAL Shawn, DOW Robert Lee, ROBINSON JR Ralph Pelton, et al
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, ZM, ZW

●●

(21) AP/P/2021/013182
(23) 20.11.2022
(51) **A61K 31/473 (2006.01)**
(54) FUNCTIONALIZED HETEROCYCLES AS ANTIVIRAL AGENTS
(71) ENANTA PHARMACEUTICALS, INC.
(72) KENTON Nathaniel, CHONG Katherine, BARTLETT Samuel, et al
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013216
(23) 04.11.2022
(51) **C07D 239/47 (2006.01)**
A01P 3/00 (2006.01)
A01N 25/04 (2006.01)
A01N 25/12 (2006.01)
A01N 25/30 (2006.01)
A01N 43/54 (2006.01)
A01N 25/02 (2006.01)
(54) MIXTURES AND COMPOSITIONS COMPRISING 5-FLUORO-4-IMINO-3- METHYL-1-TOSYL-3,4-DIHYDROPYRIMIDIN-2-ONE, AND METHODS OF USE THEREOF
(71) ADAMA MAKHTESHIM LTD.
(72) SLOAN James, LERNER Yardeni Jenny, SHEFFER Noam, 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

●●

(21) AP/P/2021/013223
(23) 28.11.2022
(51) **A61P 35/02 (2006.01)**
(54) METHODS OF TREATING FOLLICULAR LYMPHOMA
(71) JANSSEN BIOTECH, INC.
(72) BALASUBRAMANIAN Sriram
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013230
(23) 16.11.2022
(51) **A01H 3/00 (2006.01)**
C05G 3/00 (2020.01)
C05F 11/08 (2006.01)
C12N 1/20 (2006.01)
(54) POLYMER COMPOSITIONS WITH IMPROVED STABILITY FOR NITROGEN FIXING MICROBIAL PRODUCTS
(71) PIVOT BIO, INC.
(72) KIBBEE John and REZAEI Farzaneh
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE, TZ

●●

(21) AP/P/2021/013254
(23) 15.11.2022
(51) **C12N 15/113 (2006.01)**
(54) MODULATORS OF IRF5 EXPRESSION
(71) IONIS PHARMACEUTICALS, INC.
(72) FREIER Susan M
(74) HONEY & BLANCKENBERG
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

▶

Patent Applications Lapsed/Abandoned (Contd.)

(21) AP/P/2021/013265
(23) 10.11.2022
(51) **B65D 51/20 (2006.01)**
B65D 43/02 (2006.01)
B65D 50/06 (2006.01)
B65D 50/10 (2006.01)
A61J 1/00 (2006.01)
B65B 7/28 (2006.01)
(54) CONTAINER FOR A GOVERNMENT REGULATED PRODUCT HAVING A CHILD RESISTANT LID
(71) N2PACKAGING SYSTEMS, LLC
(72) STANDLEE Michael G, MARTIN Randy S and SIBLEY David P
(74) HONEY & BLANCKENBERG
(84) MW, ZM, ZW

●●

(21) AP/P/2021/013267
(23) 22.11.2022
(51) **A61P 25/08 (2006.01)**
A61P 25/18 (2006.01)
A61K 31/352 (2006.01)
(54) CANNABIDIOL-TYPE CANNABINOID COMPOUND
(71) GW RESEARCH LIMITED
(72) STRAKER Hannah, PATEL Amesha, CILIA Jacqueline, 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

●●

(21) AP/P/2021/013279
(23) 01.11.2022
(51) **A61K 31/4353 (2006.01)**
A61P 9/00 (2006.01)
C07D 491/044 (2006.01)
(54) SUBSTITUTED OXOPYRIDINE DERIVATIVES
(71) BAYER AKTIENGESELLSCHAFT
(72) GERICKE Kersten Matthias, MENG Xianghai, ZOU Zengqiang, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE

●●

(21) AP/P/2021/013292
(23) 28.11.2022
(51) **A23G 1/40 (2006.01)**
A23G 1/48 (2006.01)
A23G 1/56 (2006.01)
A23D 7/005 (2006.01)
A23G 1/36 (2006.01)
(54) A SPREADABLE FOOD PRODUCT
(71) THE PRINCETON GROUP INC - C40917
(72) TEW Samuel Beng and HANNA Mark Anthony
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013294
(23) 29.11.2022
(51) **C22B 3/22 (2006.01)**
C22B 26/12 (2006.01)
H01M 4/04 (2006.01)
H01M 4/131 (2010.01)
C01D 15/02 (2006.01)
(54) PRODUCTION OF LITHIUM CHEMICALS AND METALLIC LITHIUM
(71) ICSIP PTY LTD
(72) HUNWICK Richard
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013677
(23) 11.11.2022
(51) **H04L 9/08 (2006.01)**
H04L 9/32 (2006.01)
H04W 12/00 (2009.01)
H04L 9/06 (2006.01)
(54) QUANTUM-RESISTANT SIM CARD
(71) QRC AAA SARL
(72) UNDERHILL John Gregory and KOVAC Stiepan Aurélien
(74) Cronjé & Co.
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013694
(23) 07.11.2022
(51) **A61P 31/02 (2006.01)**
A61P 31/04 (2006.01)
A61P 31/10 (2006.01)
A61P 31/12 (2006.01)
A61K 31/245 (2006.01)
A61K 31/14 (2006.01)
A61P 23/02 (2006.01)
A61K 31/167 (2006.01)
(54) METHOD OF DISEASE CONTROL
(71) ANIMAL ETHICS PTY LTD
(72) WINDSOR Peter, GIFFARD Allan, SHEIL Meredith, et al
(74) FISHER CORMACK & BOTHA
(84) BW, KE, NA, TZ, UG

●●

(21) AP/P/2021/013701
(23) 18.07.2022
(51) **C07J 7/00 (2006.01)**
C07J 75/00 (2006.01)
(54) NOVEL ESTERS OF MEDROXYPROGESTERONE
(71) HAFEEZ Kalak Abdul
(72) PITTALA Sandhya
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, GH, KE, MW, NA, RW, TZ, UG, ZW

●●

(21) AP/P/2021/013711
(23) 29.11.2022
(51) **A61P 35/00 (2006.01)**
A61K 31/4375 (2006.01)
A61K 31/522 (2006.01)
C07D 471/04 (2006.01)
C07D 519/00 (2006.01)
(54) HETEROBICYCLIC INHIBITORS OF MAT2A AND METHODS OF USE FOR TREATING CANCER
(71) LES LABORATOIRES SERVIER
(72) SUI Zhihua, TRAVINS Jeremy M, REZNIK Samuel K, 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

●●

(21) AP/P/2022/014154
(23) 22.11.2022
(51) **A61H 15/00 (2006.01)**
(54) DEVICE FOR TREATING CELLULITIS
(71) FELDI S.R.L.
(72) TRIGGIANESE Doriano
(74) Cronjé & Co.
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2022/014193
(23) 21.11.2022
(51) **A01H 5/08 (2018.01)**
A01H 6/4684 (2006.01)
C05F 11/08 (2006.01)
(54) CONSORTIA OF MICROORGANISMS FOR SPATIAL AND TEMPORAL DELIVERY OF NITROGEN
(71) PIVOT BIO, INC.
(72) FULOP Daniel, TAMSIR Alvin, BLOCH Sarah, et al
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE, TZ

●●

■

Erratum: Patent Applications Abandoned

In the ARIPO Journal (Vol. XXXVIII, No. 6, 30 June 2021) we published the patent application below as a withrawn/ abandoned application under the column "Patent Applications Abandoned". Notice is hereby given that the application is actually valid and its withdrawal was done in error.

(21) AP/P/2017/010166
(23) 15.06.2021
(51) **B60Q 1/00 (2006.01)**
G08G 1/00 (2006.01)
(54) TRAFFIC DIVERSION SIGNALLING SYSTEM AND METHOD
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(75) AGARWAL Yogesh
(84) KE, ZW

●●

■

Patent Applications Reinstated

(21) AP/P/2017/010194
(22) 07.05.2015
(23) 21.09.2017
(31) 15102507.5
(32) 11.03.2015 (33) HK
(51) **H04M 3/48 (2006.01)**
(54) METHOD OF GENERATION ADDITIONAL VOICE REVENUE FOR MOBILE CARRIERS BY PROCESSING OF NON-ESTABLISHED CALLS AND SHORT MESSAGES
(71) ZEEP HK LIMITED
(72) BAZIN Alexander, PARSHYN Grygoriy and ZINOVIEV Vasily
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW
(96) 07.05.2015 AP/P/2017/010194

●●

■

Patents and Patent Applications Assigned

(21) AP/P/2021/013086
(23) 16.11.2022
(51) **C07C 31/22 (2006.01)**
C09K 3/00 (2006.01)
C07C 29/88 (2006.01)
B28B 7/38 (2006.01)
(54) METHOD AND SYSTEM FOR PURIFYING GLYCERIN, METHOD FOR PRODUCING STRIPPING AGENT, AND STRIPPING METHOD
(71) BIOFUEL TECHNOLOGY RESEARCH CO., LTD. and MARUBENI CORPORATION
(72) KAJIMA Hiroshi
(74) ENSafrica Namibia
(84) GH, KE

●●

(21) AP/P/2021/013317
(23) 24.11.2022
(51) **A23K 10/10 (2016.01)**
A61P 1/14 (2006.01)
A61K 36/04 (2006.01)
A23K 50/10 (2016.01)
(54) NOVEL COMPOSITION
(71) FUTUREFEED PTY LIMITED
(72) MAGNUSSON Elisabeth Marie and DE NYS Rocky
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) RW, SD, TZ

●●

■

Patent Applications Pending Grant

(21) AP/P/2015/008929
(22) 12.07.2012
(23) 07.11.2022
(51) **E02F 9/00 (2006.01)**
(54) WEAR ASSEMBLY
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2018/010814
(22) 21.11.2016
(23) 08.11.2022
(51) **B01D 65/00 (2006.01)**
B01D 61/18 (2006.01)
B01D 63/14 (2006.01)
B01D 63/10 (2006.01)
B01D 61/14 (2006.01)
(54) MICROFILTRATION ASSEMBLY AND METHOD OF MANUFACTURE
(74) HONEY & BLANCKENBERG
(84) KE, TZ, ZM, ZW

●●

(21) AP/P/2018/010824
(22) 25.11.2015
(23) 09.11.2022
(51) **A47C 19/02 (2006.01)**
A47C 5/10 (2006.01)
A47C 19/00 (2006.01)
A47C 17/64 (2006.01)
(54) A COLLAPSIBLE BED BASE
(74) FISHER, CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2018/010906
(22) 20.01.2017
(23) 03.11.2022
(51) **G01D 5/353 (2006.01)**
(54) METHOD AND DEVICE FOR MONITORING THE MECHANICAL BEHAVIOUR OF A SUBSEA PIPE FOR TRANSPORTING PRESSURISED FLUIDS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) MZ, TZ

●●

(21) AP/P/2019/011314
(22) 21.07.2017
(23) 28.11.2022
(51) **C07K 14/005 (2006.01)**
A61K 47/48 (2006.01)
A61K 48/00 (2006.01)
(54) COMPOSITIONS AND METHODS OF REPLICATION DEFICIENT ADENOVIRAL VECTORS FOR VACCINE APPLICATIONS
(74) FISHER CORMACK & BOTHA
(84) KE, UG

●●

(21) AP/P/2019/011462
(22) 29.08.2016
(23) 09.11.2022
(51) **C08J 3/24 (2006.01)**
B02C 17/22 (2006.01)
C08L 9/00 (2006.01)
C08K 5/04 (2006.01)
C08L 3/06 (2006.01)
C08K 5/00 (2006.01)
C08L 7/00 (2006.01)
C08K 3/36 (2006.01)
C08L 15/00 (2006.01)
C08K 5/5415 (2006.01)
(54) WEAR-RESISTANT RUBBER COMPOSITIONS, SYSTEMS, AND METHODS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, NA, TZ, ZM, ZW

●●

(21) AP/P/2019/011674
(22) 20.12.2017
(23) 30.11.2022
(51) **C12N 15/74 (2006.01)**
C12N 15/70 (2006.01)
C07K 14/52 (2006.01)
C07K 14/195 (2006.01)
(54) VIRULENCE ATTENUATED BACTERIA BASED PROTEIN DELIVERY
(74) FISHER, CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2019/011679
(22) 20.12.2017
(23) 08.11.2022
(51) **C07K 16/10 (2006.01)**
C07K 16/00 (2006.01)
A61K 39/395 (2006.01)
(54) IMPROVED METHODS FOR ENHANCING ANTIBODY PRODUCTIVITY IN MAMMALIAN CELL CULTURE AND MINIMIZING AGGREGATION DURING DOWNSTREAM, FORMULATION PROCESSES AND STABLE ANTIBODY FORMULATIONS OBTAINED THEREOF
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2019/011732
(22) 24.01.2018
(23) 01.11.2022
(51) **G06Q 50/02 (2012.01)**
E21B 49/00 (2006.01)
G01V 11/00 (2006.01)
E21C 39/00 (2006.01)
E21B 47/00 (2012.01)
G01V 9/00 (2006.01)
G01N 33/24 (2006.01)
(54) A METHOD AND SYSTEM FOR VALIDATING LOGGING DATA FOR A MINERAL SAMPLE
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2019/011758
(22) 21.12.2017
(23) 17.11.2022
(51) **E04B 1/24 (2006.01)**
E04B 1/28 (2006.01)
E04B 1/58 (2006.01)
E04B 1/343 (2006.01)
(54) CONSTRUCTION SYSTEM FOR BUILDING A MODULE OF A DWELLING
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2019/011775
(22) 21.08.2017
(23) 17.11.2022
(51) **A61B 3/135 (2006.01)**
(54) EYE EXAMINATION SYSTEM
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2019/011796
(22) 26.02.2018
(23) 17.11.2022
(51) **B07C 5/36 (2006.01)**
(54) DISPENSING APPARATUS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW

●●

(21) AP/P/2019/011850
(22) 28.02.2018
(23) 30.11.2022
(51) **C07K 14/47 (2006.01)**
A61K 39/395 (2006.01)
A61P 35/00 (2006.01)
A61K 39/00 (2006.01)
(54) ANTI-TIGIT ANTIBODIES
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2019/011980
(22) 01.05.2018
(23) 16.11.2022
(51) **A61K 47/26 (2006.01)**
C07K 16/18 (2006.01)
A61K 9/19 (2006.01)
A61K 39/00 (2006.01)
A61K 39/395 (2006.01)
A61K 9/00 (2006.01)
A61K 9/08 (2006.01)

▶

Patent Applications Pending Grant (Contd.)

(54) STABLE FORMULATIONS OF PROGRAMMED DEATH RECEPTOR 1 (PD-1) ANTIBODIES AND METHODS OF USE THEREOF
(74) HONEY & BLANCKENBERG
(84) BW, GH, KE, NA

●●

(21) AP/P/2020/012221
(22) 14.07.2017
(23) 14.11.2022
(51) **H04W 48/18 (2009.01)**
H04W 88/06 (2009.01)
H04L 12/24 (2006.01)
(54) METHODS AND SYSTEMS FOR TRAFFIC STEERING OVER NETWORKS
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012330
(22) 20.09.2018
(23) 29.11.2022
(51) **A01K 63/04 (2006.01)**
A01G 31/02 (2006.01)
A01K 61/10 (2006.01)
(54) DECOUPLED MULTI-TROPHIC PRODUCTION FACILITY WITH BIO REACTOR UNIT
(74) HONEY & BLANCKENBERG
(84) BW, KE, LS, NA, SL, TZ, ZM, ZW

●●

(21) AP/P/2020/012353
(22) 03.10.2018
(23) 17.11.2022
(51) **E21B 17/10 (2006.01)**
B60B 37/10 (2006.01)
(54) DOWNHOLE DEVICE
(74) FISHER CORMACK & BOTHA
(84) GH, GM, SD

●●

(21) AP/P/2020/012358
(22) 25.10.2018
(23) 25.11.2022
(51) **A61K 31/45 (2006.01)**
A61K 31/501 (2006.01)
C07D 401/14 (2006.01)
C07D 213/04 (2006.01)
(54) PYRIDINE CARBONYL DERIVATIVES AND THERAPEUTIC USES THEREOF AS TRPC6 INHIBITORS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH, KE

●●

(21) AP/P/2020/012367
(22) 31.10.2018
(23) 18.11.2022
(51) **C12N 15/09 (2006.01)**
C12N 15/11 (2006.01)
C12N 15/113 (2010.01)
A61K 31/7088 (2006.01)
A61K 31/713 (2006.01)
A61K 48/00 (2006.01)
(54) INTEGRIN LIGANDS AND USES THEREOF
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012408
(22) 13.11.2018
(23) 15.11.2022
(51) **A61P 3/10 (2006.01)**
A61K 38/26 (2006.01)
(54) METHODS OF USING AND COMPOSITIONS CONTAINING DULAGLUTIDE
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, NA

●●

(21) AP/P/2020/012414
(22) 03.04.2020
(23) 16.11.2022
(51) **A47J 36/16 (2006.01)**
A47J A36/32 (2006.01)
A47J 36/24 (2006.01)
(54) METHOD FOR PREPARING PIZZA-TYPE FOOD WITH INTELLIGENT HEATING AND STIRRING COOKING MACHINE
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, KE, LS, MW, MZ, NA, RW, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012441
(22) 16.11.2018
(23) 29.11.2022
(51) **H04W 72/04 (2009.01)**
H04W 68/12 (2009.01)
(54) ACESS CONTROL METHODS AND APPARATUS FOR RADIO SYSTEMS
(74) FISHER CORMACK & BOTHA
(84) BW, GH, KE, MZ, NA, SD, SL, SZ, TZ, UG, ZM

●●

(21) AP/P/2020/012473
(22) 13.11.2018
(23) 16.11.2022
(51) **C02F 1/72 (2006.01)**
C02F 1/78 (2006.01)
C02F 103/24 (2006.01)
C02F 9/04 (2006.01)
C02F 9/08 (2006.01)
C02F 1/32 (2006.01)
C02F 1/467 (2006.01)
C02F 9/02 (2006.01)
(54) A PROCESS LEADING TO ZERO WATER DISCHARGE IN POST TANNING OPERATIONS
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012477
(22) 14.12.2018
(23) 23.11.2022
(51) **A01N 43/80 (2006.01)**
C07D 261/04 (2006.01)
(54) POLYMORPHS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE, SD, ZW

●●

(21) AP/P/2020/012532
(22) 15.02.2019
(23) 07.11.2022
(51) **C07F 5/02 (2006.01)**
A61K 31/69 (2006.01)
A61P 35/00 (2006.01)
A61P 29/00 (2006.01)
(54) ARGINASE INHIBITORS AND METHODS OF USE THEREOF
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH, KE

●●

(21) AP/P/2020/012566
(22) 08.01.2019
(23) 15.11.2022
(51) **G06N 7/00 (2006.01)**
(54) G1T38 SUPERIOR DOSAGE REGIMES
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012598
(22) 11.02.2019
(23) 07.11.2022
(51) **A61K 31/44 (2006.01)**
A61P 33/00 (2006.01)
C07D 213/81 (2006.01)
A01N 43/40 (2006.01)
(54) NOVEL CRYSTALLINE FORMS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE, ZM, ZW

●●

(21) AP/P/2020/012608
(22) 20.02.2019
(23) 02.11.2022
(51) **F28D 20/02 (2006.01)**
A47J 37/06 (2006.01)
(54) SOLAR COOKING APPARATUS WITH HEAT STORAGE CAPACITY
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

▶

Patent Applications Pending Grant (Contd.)

(21) AP/P/2020/012630
(22) 30.01.2019
(23) 18.11.2022
(51) **H02N 2/10 (2006.01)**
H02N 2/14 (2006.01)
H01L 41/08 (2006.01)
H02K 7/14 (2006.01)
H01L 41/02 (2006.01)
H01L 41/04 (2006.01)
(54) ELECTRICAL AMPLIFICATION SYSTEMS THROUGH RESONANCE
(74) Muthoni Advocates
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012643
(22) 26.02.2018
(23) 21.11.2022
(51) **H04W 72/04 (2009.01)**
H04W 28/04 (2009.01)
H04W 72/12 (2009.01)
(54) USER TERMINAL AND RADIO COMMUNICATION METHOD
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012660
(22) 22.03.2019
(23) 09.11.2022
(51) **C04B 35/634 (2006.01)**
C04B 35/645 (2006.01)
C22C 29/00 (2006.01)
C22C 29/08 (2006.01)
C04B 35/56 (2006.01)
B22F 5/00 (2006.01)
C04B 35/626 (2006.01)
C04B 35/63 (2006.01)
(54) A ROCK DRILL INSERT
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH, TZ, ZM

●●

(21) AP/P/2020/012683
(22) 04.01.2019
(23) 15.11.2022
(51) **H04B 7/0426 (2017.01)**
H04W 52/04 (2009.01)
(54) POWER CONTROL FOR NEW RADIO UPLINK COMMUNICATION
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) KE

●●

(21) AP/P/2020/012706
(22) 12.04.2019
(23) 29.11.2022
(51) **A01N 43/56 (2006.01)**
A01N 43/90 (2006.01)
(54) ACTIVE INGREDIENT COMBINATIONS WITH INSECTICIDAL, FUNGICIDAL AND ACARICIDAL PROPERTIES
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012723
(22) 06.04.2018
(23) 03.11.2022
(51) **H04W 52/18 (2009.01)**
(54) USER TERMINAL
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012784
(22) 25.04.2019
(23) 04.11.2022
(51) **G10L 21/02 (2013.01)**
G10L 19/18 (2013.01)
G10L 21/038 (2013.01)
(54) INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2020/012826
(22) 29.05.2019
(23) 22.11.2022
(51) **A21D 2/26 (2006.01)**
A21D 8/04 (2006.01)
A21D 10/00 (2006.01)
A21D 13/062 (2017.01)
(54) LESS ADDED SUGAR IN BAKED PRODUCTS
(74) FISHER CORMACK & BOTHA
(84) KE, TZ, UG

●●

(21) AP/P/2020/012827
(22) 13.05.2019
(23) 30.11.2022
(51) **C12C 7/047 (2006.01)**
C12C 5/00 (2006.01)
(54) METHOD FOR PRODUCTION OF BREWERS WORT
(74) FISHER CORMACK & BOTHA
(84) KE, TZ, UG

●●

(21) AP/P/2020/012837
(22) 14.06.2019
(23) 07.11.2022
(51) **A61P 3/10 (2006.01)**
A61K 47/10 (2017.01)
A61K 38/00 (2006.01)
A61K 38/16 (2006.01)
A61K 47/02 (2006.01)
(54) GIP/GLP1 AGONIST COMPOSITIONS
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, KE, NA

●●

(21) AP/P/2020/012854
(22) 21.05.2019
(23) 08.11.2022
(51) **A61K 48/00 (2006.01)**
C07H 21/02 (2006.01)
(54) MODULATORS OF APOL1 EXPRESSION
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/012908
(22) 22.06.2019
(23) 11.11.2022
(51) **E04B 1/84 (2006.01)**
E04B 9/24 (2006.01)
E04B 1/76 (2006.01)
E04F 13/14 (2006.01)
E04B 2/74 (2006.01)
G10K 11/168 (2006.01)
E04F 13/08 (2006.01)
E04B 9/00 (2006.01)
E04B 9/04 (2006.01)
E04B 1/86 (2006.01)
(54) MONOLITHIC ACOUSTICAL SYSTEM
(74) ENSafrica Namibia
(84) TZ

●●

(21) AP/P/2021/012919
(22) 03.06.2019
(23) 04.11.2022
(51) **H05H 1/48 (2006.01)**
H05G 2/00 (2006.01)
(54) APPARATUS FOR FILAMENTED AUXILIARY DISCHARGE FOR RADIATION APPARATUS AND METHOD FOR PRODUCING RADIATION
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/012922
(22) 12.05.2015
(23) 14.11.2022
(51) **A61K 38/08 (2006.01)**
C07K 7/06 (2006.01)
(54) PEPTIDE WITH ANTI-OBESITY AND ANTI-DIABETES ACTIVITY AND USE THEREOF
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH, KE, SD

●●

▶

Patent Applications Pending Grant (Contd.)

(21) AP/P/2021/012923
(22) 12.05.2015
(23) 15.11.2022
(51) **C07K 7/06 (2006.01)**
A61K 38/08 (2006.01)
(54) PEPTIDE WITH ANTI-OBESITY AND ANTI-DIABETES ACTIVITY AND USE THEREOF
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GH, KE, SD

●●

(21) AP/P/2021/013007
(22) 23.07.2019
(23) 16.11.2022
(51) **G01M 17/007 (2006.01)**
(54) INDICATOR DATA OUTPUT DEVICE AND INDICATOR DATA OUTPUT METHOD
(74) ROLAND INTELLECTUAL PROPERTY CONSULTANTS
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013034
(22) 14.11.2018
(23) 07.11.2022
(51) **H04W 76/27 (2018.01)**
H04W 76/19 (2018.01)
(54) APPARATUS, METHOD AND COMPUTER PROGRAM FOR CONNECTION MANAGEMENT
(74) GALLOWAY & COMPANY
(84) KE

●●

(21) AP/P/2021/013096
(22) 22.09.2019
(23) 01.11.2022
(51) **A01K 67/033 (2006.01)**
G06K 9/00 (2006.01)
A01M 1/02 (2006.01)
A01K 1/03 (2006.01)
A01K 29/00 (2006.01)
(54) MOSQUITO CLASSIFICATION, SORTING, AND STERILIZATION
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013116
(22) 23.10.2019
(23) 24.11.2022
(51) **B05B 7/00 (2006.01)**
(54) FLAME COATING MACHINE AND METHOD
(74) GALLOWAY & COMPANY
(84) MZ

●●

(21) AP/P/2021/013124
(22) 18.12.2017
(23) 18.11.2022
(51) **C07D 231/12 (2006.01)**
C07D 231/56 (2006.01)
C07D 333/38 (2006.01)
C07D 233/64 (2006.01)
C07D 333/58 (2006.01)
C07D 241/12 (2006.01)
C07D 495/04 (2006.01)
C07D 277/56 (2006.01)
C07D 333/28 (2006.01)
C07D 213/56 (2006.01)
A61K 31/415 (2006.01)
A61P 29/00 (2006.01)
(54) CARBOXYLIC ACID AROMATIC AMIDES AS ANTAGONISTS OF BRADYKININ B1 RECEPTOR
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) KE

●●

(21) AP/P/2021/013125
(22) 24.09.2019
(23) 15.11.2022
(51) **H04W 24/02 (2009.01)**
(54) METHOD PERFORMED BY USER EQUIPMENT, AND USER EQUIPMENT
(74) FISHER CORMACK & BOTHA
(84) BW, GH, KE, MZ, NA, SD, SL, SZ, TZ, UG, ZM

●●

(21) AP/P/2021/013172
(22) 28.11.2019
(23) 01.11.2022
(51) **C10J 3/26 (2006.01)**
C10J 3/74 (2006.01)
C10J 3/66 (2006.01)
C10J 3/08 (2006.01)
(54) REACTOR AND PROCESS FOR GASIFYING AND/OR MELTING OF FEED MATERIALS
(74) Cronjé & Co.
(84) BW, GH, MZ, ZM, ZW

●●

(21) AP/P/2021/013207
(22) 30.10.2019
(23) 28.11.2022
(51) **H04N 19/463 (2014.01)**
H04N 19/70 (2014.01)
H04N 19/30 (2014.01)
(54) METHODS, APPARATUSES, COMPUTER PROGRAMS AND COMPUTER-READABLE MEDIA FOR SCALABLE VIDEO CODING AND TRANSMISSION
(74) GALLOWAY & COMPANY
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013208
(22) 28.10.2019
(23) 08.11.2022
(51) **F03B 13/00 (2006.01)**
F03B 17/06 (2006.01)
F03B 3/08 (2006.01)
F03B 11/00 (2006.01)
(54) SOLAR SUPPLEMENTAL POWER SOURCE
(74) Cronjé & Co.
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013288
(22) 04.05.2015
(23) 22.11.2022
(51) A61M 11/00 (2006.01)
G06M 1/02 (2006.01)
B05B 11/00 (2006.01)
A61M 15/00 (2006.01)
(54) NEBULIZER, INDICATOR DEVICE AND CONTAINER
(74) Cronjé & Co.
(84) GH, KE

●●

(21) AP/P/2021/013462
(22) 17.12.2019
(23) 17.11.2022
(51) **F03D 9/17 (2016.01)**
F03D 9/18 (2016.01)
F01K 3/02 (2006.01)
F01K 9/00 (2006.01)
F01K 3/00 (2006.01)
F01K 3/18 (2006.01)
F01K 25/10 (2006.01)
F01K 7/34 (2006.01)
(54) ENERGY STORAGE PLANT AND PROCESS
(74) FISHER CORMACK & BOTHA
(84) BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

●●

(21) AP/P/2021/013546
(22) 30.04.2020
(23) 25.11.2022
(51) **F25J 1/00 (2006.01)**
F25J 1/02 (2006.01)
(54) METHOD AND SYSTEM FOR CONTROLLING REFRIGERANT COMPOSITION IN CASE OF GAS TUBE LEAKS IN A HEAT EXCHANGER
(74) HONEY & BLANCKENBERG
(84) MZ, TZ

●●

■

Patents Granted

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6513

(21) Application No : AP/P/2016/009322

(22) Filing Date : 23.01.2015

(24) (45) Date of Grant & Publication : 01/11/2022

(73) Applicant(s)
ASTRAZENECA AB, Södertälje SE-151 85, Sweden

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	61/931,090	24.01.2014

(72) Inventors
LÖNN Hans Roland, United Kingdom
CONNOLLY Stephen, United Kingdom
SWALLOW Steven, United Kingdom
et al

(84) Designated States:
GH GM KE

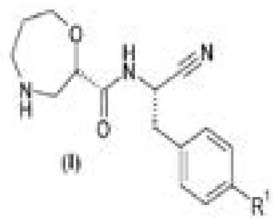
(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : C07D 267/10 (2006.01); C07D 413/12 (2006.01); A61K 31/553 (2006.01); C07D 413/14 (2006.01); C07D 417/12 (2006.01); A61P 11/00 (2006.01)

(54) Title
(2S)-N-[(1S)-1-CYANO-2-PHENYLETHYL]-1,4-OXAZEPANE-2-CARBOXAMIDES AS DIPEPTIDYL PEPTIDASE I INHIBITORS

(57) Abstract

Cooling device 1, in particular a freezer 2, having a closable cooling space 3, an electrically operated cooling circuit, and preferably a cold storage pack 4, wherein the at least one closable cooling space 3 and the cold storage pack 4 can be cooled by the electrically operated cooling circuit. The cooling device has a power distributor 5 for distributing electrical power of at least one regenerative power source 6 to an electrically operated cooling circuit of the cooling device 1 and to at least one further electricity consuming device 7. In addition, the power distributor 5 has a control system with a computing unit 23, a memory 24 and priority logic. The priority logic is used to preferentially supply the electrically operated cooling circuit of the cooling device 1 with electricity if there is a lack of electrical power of the at least one regenerative power source 6.



(I)

(56) Documents Cited : WO 200/128324 A1; WO 2009/074829 A1; WO 2011/154677 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6514

(21) Application No : AP/P/2017/010392

(22) Filing Date : 21.06.2016

(24) (45) Date of Grant & Publication : 01/11/2022

(73) Applicant(s)
BIOLOGICAL E LIMITED, 18/1 & 3, Azamabad, Hyderabad – 500 020, Telangana, India

(30) Priority Data

(33) Country	(31) Number	(32) Date
IN	3140/CHE/2015	23.06.2015

(72) Inventors
MATUR Ramesh Venkat, India
THIRUMENI Nagarajan, India
BURKI Rajendar, India
et al

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

(74) Representative
ROLAND INTELLECTUAL PROPERTY CONSULTANTS, Namibia

(51) International Classification : A61K 39/09 (2006.01); A61K 47/48 (2006.01); C07K 16/12 (2006.01)

(54) Title
MULTIVALENT PNEUMOCOCCAL CONJUGATE VACCINE

(57) Abstract

The present invention relates to a multivalent Pneumococcal conjugate vaccine (PCV) composition comprising: 1) at least 12 capsular polysaccharides selected from serotypes 1, 3, 4, 5, 6B, 7F, 9N, 9V, 15B, 14, 18C, 19A, 19F, 22F, 23F and 33F of S. pneumoniae activated with CDAP and conjugated to carrier protein selected from CRM197, pneumococcal surface protein A (PspA), pneumococcal adhesin protein (PsaA) or combination thereof and 2) a pharmaceutically acceptable carrier, wherein the composition does not contain capsular polysaccharide from serotype 6A.

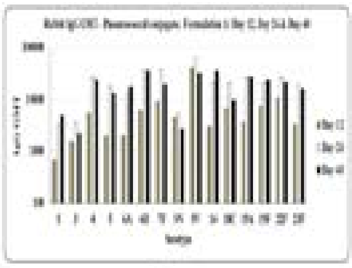


Figure 1

(56) Documents Cited : XINHONG YU et al. WO 2014/092378 A1; HAUSDORFF WILLIAM P et al. WO 2013/191459 A1; IN H. PARK et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6515

(21) **Application No :** AP/P/2020/012482

(22) **Filing Date :** 29.11.2018

(24) (45) **Date of Grant & Publication :** 01/11/2022

(73) **Applicant(s)**
SEATTLE GENETICS, INC., 21823 30th Drive Southeast Bothell, Washington 98021, United States of America

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
US	62/593,104	30.11.2017

(72) **Inventors**
BLANCHARD Sophie, United States of America
COATS James, United States of America

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

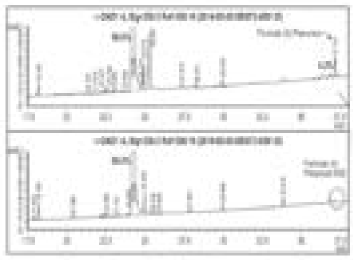
(74) **Representative**
FISHER CORMACK & BOTHA, Malawi

(51) **International Classification :** A61K 47/50 (2017.01) C07K 1/10 (2006.01)
C07K 19/00 (2006.01)

(54) **Title**
PROCESS FOR THE PREPARATION OF DRUG LINKER COMPOUNDS

(57) **Abstract**

This disclosure generally relates to novel processes for the preparation of drug linker compounds and compositions comprising such drug linker compounds.



(56) **Documents Cited :** US 8,129,505 B2; US 2012/003247 A1; US 2015/01055 39 A1; US 6 214 345 B1; LEVENGOOD et al.; DORONINA, S.O Development

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6516

(21) Application No : AP/P/2018/010521

(22) Filing Date : 22.07.2016

(24) (45) Date of Grant & Publication : 03/11/2022

(73) Applicant(s)
CEPHEID, 904 Caribbean Drive, Sunnyvale, California 94089, United States of America

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/196,267	23.07.2015

(72) Inventors
FROMM David, United States of America
PHAN Tien, United States of America
PICCINI Matthew, United States of America

(84) Designated States:

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

(74) Representative
FISHER CORMACK & BOTHA, Malawi

(51) International Classification : B01L 7/00 (2006.01)

(54) Title
THERMAL CONTROL DEVICE AND METHODS OF USE

(57) Abstract

Thermal control devices adapted to provide improved control and efficiency in temperature cycling are provided herein. Such thermal control device can include a thermoelectric cooler controlled in coordination with another thermal manipulation device to control an opposing face of the thermoelectric cooler and/or a microenvironment. Some such thermal control devices include a first and second thermoelectric cooler separated by a thermal capacitor. The thermal control devices can be configured in a planar configuration with a means for thermally coupling with a planar reaction vessel of a sample analyzer for use in thermal cycling in a polymerase chain reaction of the fluid sample in the reaction vessel. Methods of thermal cycling using such a thermal control devices are also provided.

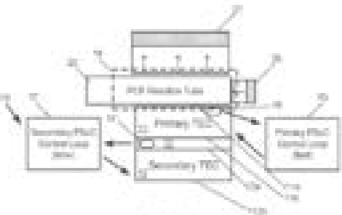


FIG 2

(56) Documents Cited : US 2011/165628 A1 US 2004/149725 A1 US 5061630 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6517

(21) Application No : AP/P/2018/010731

(22) Filing Date : 17.11.2016

(24) (45) Date of Grant & Publication : 03/11/2022

(73) Applicant(s)
MERCK SHARP & DOHME LLC, 126 East Lincoln Ave., P. O. Box 2000, Rahway, New Jersey 07065, United States of America

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/257,009	18.11.2015

(72) Inventors
BOWMAN Edward, United States of America
BEAUMONT Maribel, United States of America
BUYSE Marie-Ange, Belgium
et al

(84) Designated States:
BW GH KE NA

(74) Representative
HONEY & BLANCKENBERG, Zimbabwe

(51) International Classification : C07K 16/28 (2006.01) C07K 16/18 (2006.01)

(54) Title
PD1 AND/OR LAG3 BINDERS

(57) Abstract

The present invention provides molecules, such as ISVDs and Nanobodies, that bind to PD1 and LAG3 and, optionally to human serum albumin. These molecules have been engineered so as to reduce the incidence of binding by pre-existing antibodies in the bodies of a subject administered such a molecule. Methods for increasing immune response, treating cancer and/or treating an infectious disease with such molecules are provided.

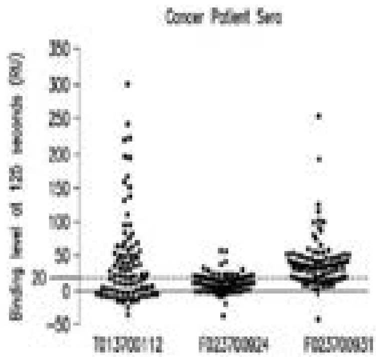


FIG.19C

(56) Documents Cited : WO2008/071447 A2 WO2010/007376 A2 WO2010/019570 A2 WO2014/030049 A2 C. VINCKE et al. WO 2013/024059 A2

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6518

(21) Application No : AP/P/2020/012596

(22) Filing Date : 12.02.2019

(24) (45) Date of Grant & Publication : 04/11/2022

(73) Applicant(s)
GILEAD SCIENCES, INC., 333 Lakeside Drive, Foster City, CA 94404, United States of America

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/630,187	13.02.2018
US	62/640,534	08.03.2018
US	62/763,116	19.04.2018
US	62/747,029	17.10.2018

(72) Inventors
GRAUPE Michael, United States of America
AKTOUDIANAKIS Evangelos, United States of America
MICHICAO TELLO Paulo A, United States of America
et al

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

(74) Representative
B. W. KAHARI LEGAL PRACTITIONERS, Zimbabwe

(51) International Classification :

C07D 405/14 (2006.01)	A61K 31/497 (2006.01)
C07D 403/14 (2006.01)	C07D 241/18 (2006.01)
C07D 241/20 (2006.01)	C07D 487/08 (2006.01)
C07D 487/10 (2006.01)	C07D 491/10(2006.01)
C07D 519/00 (2006.01)	A61P 35/00 (2006.01)

(54) Title
PD-1/PD-L1 INHIBITORS

(57) Abstract

Compounds of Formula (I), methods of using said compounds singly or in combination with additional agents and compositions of said compounds for the treatment of cancer are disclosed.

(56) Documents Cited : TRYFON ZARGANES-TZITZIKA; US 2016/194307 A1; US 2015/352206 A1; WO 99/17777 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6519

(21) Application No : AP/P/2018/011142

(22) Filing Date : 31.05.2017

(24) (45) Date of Grant & Publication : 04/11/2022

(73) Applicant(s)
VALLOUREC DEUTSCHLAND GMBH, Theodorstraße 109, 40472 Düsseldorf, Germany

(30) Priority Data

(33) Country	(31) Number	(32) Date
DE	10 2016 110 044.7	31.05.2016

(72) Inventors
WELTGEN Stefan, Germany
PETERS Robert, Germany
DELHAES Christof, Germany
et al

(84) Designated States:
KE

(74) Representative
HONEY & BLANCKENBERG, Zimbabwe

(51) International Classification : G01N 29/04 (2006.01) G01N 29/26 (2006.01) G01N 29/30 (2006.01) G01N 29/22 (2006.01) G01N 29/28 (2006.01)

(54) Title
METHOD FOR ULTRASONIC TESTING OF ELONGATE HOLLOW PROFILES

(57) Abstract

The invention relates to a method for ultrasonic testing of angled hollow profiles (5) consisting of sound-conducting material, in particular consisting of metal, comprising an ultrasonic testing device (11), consisting of a probe (1) having transducers (A to G), which are arranged on a transducer ruler (4), in a phased-array technique, wherein ultrasonic signals (10) for detecting external and internal defects on the hollow profile (5) are generated by the transducers (A to G) and are coupled into the surface of the hollow profile (5). In order to implement testing of the test body outer and inner surface for defects, in particular longitudinal defects, including the radius regions, which testing has a greater level of quality assurance and can be automated in a costeffective manner, it is proposed that for the purpose of detecting external and internal defects in a surface region (5.6) and in radius regions (5.5) of the hollow profile (5), the transducers (A to G) are adjusted in dependence upon their position with respect to the surface region (5.6) and their position with respect to the radius regions (5.5) of the hollow profile (5) such that ultrasonic signals (10) are generated having intromission angles adapted to the external and internal defects in the surface region (5.6) and in the radius regions (5.5) and that prior to the actual ultrasonic testing of the hollow profile (5), ultrasonic testing is performed on a reference profile (5').

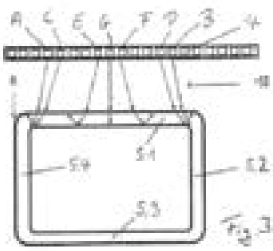


Fig 3

(56) Documents Cited : US 2011/138919 A1, US 6 182 494 B1, US 2015/168355 A1, US 2013/047697 A1, US 6 415 644 B1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6520

(21) Application No : AP/P/2018/011085

(22) Filing Date : 04.04.2017

(24) (45) Date of Grant & Publication : 07/11/2022

(73) Applicant(s)
JANSSEN VACCINES & PREVENTION B.V., Archimedesweg 4, 2333 CN Leiden, The Netherlands

(30) Priority Data

(33) Country	(31) Number	(32) Date
EP	16163810.1	05.04.2016

(72) Inventors
KRARUP Anders, The Netherlands
LANGEDIJK Johannes Petrus Maria, The Netherlands

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

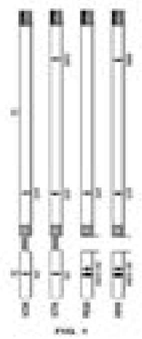
(74) Representative
HONEY & BLANCKENBERG, Zimbabwe

(51) International Classification : A61K 35/12 (2015.01) C07K 14/005 (2006.01) A61K 39/12 (2006.01)

(54) Title
STABILIZED SOLUBLE PRE-FUSION RSV F PROTEINS

(57) Abstract

The present invention provides stable pre-fusion respiratory syncitial virus (RSV) F proteins (or fragment thereof), compositions comprising said proteins and uses thereof for the prevention and/or treatment of RSV infection.



(56) Documents Cited : DATABASE Geneseq [Online] 1 WO 2014/174018 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6521

(21) **Application No :** AP/P/2019/011766

(22) **Filing Date :** 22.01.2018

(24) (45) **Date of Grant & Publication :** 07/11/2022

(73) **Applicant(s)**
FUNDAÇAO OSWALDO CRUZ, Avenida Brasil, 4365, Manguinhos CEP 21045-900 Rio de Janeiro - RJ, Brazil

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
BR	BR102017001309-0	23.01.2017

(72) **Inventors**
SIMPSON Andrew J G, United States of America
RAMOS Celso Raul Romero, Brazil
TENDLER Miriam, Brazil

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

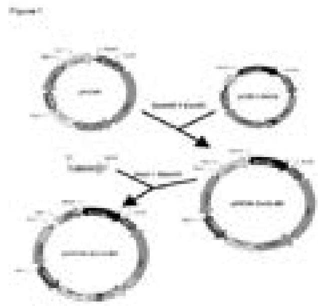
(74) **Representative**
FISHER CORMACK & BOTHA, Malawi

(51) **International Classification :** C12N 15/12 (2006.01) C12N 15/81 (2006.01) A61K 39/002 (2006.01) A61P 33/12 (2006.01) C12N 15/67 (2006.01) C07K 14/44 (2006.01) G01N 33/569 (2006.01)

(54) **Title**
RECOMBINANT PROTEIN PRODUCTION IN PICHIA PASTORIS

(57) **Abstract**

The present invention is related to the recombinant production of proteins by using a synthetic gene for high protein expression in Pichia pastoris. More specifically, the invention describes the production of Sm14 Schistosoma mansoni recombinant protein, where a synthetic gene was created to promote high expression of such protein, a gene which was cloned under control of two types of Pichia pastoris promoters: methanol-inducible promoter (AOXI) and constituent promoter (GAP). With these constructions, Pichia pastoris strains were genetically manipulated to efficiently produce vaccine antigen Sm14. The processes to produce and purify this protein from P. pastoris cells, which can be escalated for their industrial production, were also improved.



(56) **Documents Cited :** EP 2617828 A1; CALIK. P. et al.; MIRIAM TENDLER et al.; WATERHAM, H. R. et al.; BRPI1005855 A2; MULLER, J. M. et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6522

(21) **Application No :** AP/P/2020/012286

(22) **Filing Date :** 28.08.2018

(24) (45) **Date of Grant & Publication :** 07/11/2022

(73) **Applicant(s)**
ENANTA PHARMACEUTICALS, INC., 500 Arsenal Street, Watertown, MA 02472, United States of America

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
US	62/550,992	28.08.2017

(72) **Inventors**
QIU Yao-ling, United States of America
CAO Hui, United States of America
GAO Xuri, United States of America
et al

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

(74) **Representative**
GALLOWAY & COMPANY, Zimbabwe

(51) **International Classification :** A01N 33/06 (2006.01) A61K 31/167 (2006.01) A01N 41/06 (2006.01)

(54) **Title**
HEPATITIS B ANTIVIRAL AGENTS

(57) **Abstract**

The present invention discloses compounds of Formula (I), or pharmaceutically acceptable salts, esters, or prodrugs thereof: which inhibit the protein(s) encoded by hepatitis B virus (HBV) or interfere with the function of the HBV life cycle of the hepatitis B virus and are also useful as antiviral agents. The present invention further relates to pharmaceutical compositions comprising the aforementioned compounds for administration to a subject suffering from HBV infection. The invention also relates to methods of treating an HBV infection in a subject by administering a pharmaceutical composition comprising the compounds of the present invention.

X-A-Y-L-R (I)

(56) **Documents Cited :** US 2015/152073 A1 WO 2014/184365 A1 WO 2014/106019 A2

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6523

(21) Application No : AP/P/2020/012519

(22) Filing Date : 10.12.2018

(24) (45) Date of Grant & Publication : 07/11/2022

(73) Applicant(s)
UPONOR OYJ, PL 37 01511 Vantaa, Finland

(30) Priority Data

(33) Country	(31) Number	(32) Date
EP	17206391.9	11.12.2017

(72) Inventors
KESTI Tero, Finland

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

(74) Representative
ENSafrica Namibia, Namibia

(51) International Classification : G06T 7/00 (2017.01)

(54) Title
DETECTING MICROSCOPIC OBJECTS IN FLUIDS

(57) Abstract

A method (10) utilizes first, second, and third image data originating from first, second, and third digital image frames, respectively, captured sequentially in time of a sample volume containing a fluid possibly comprising moving microscopic objects while illuminating the sample volume by coherent light, each image data comprising, for a moving microscopic object of foreign object present in the sample volume, a hologram pattern (11); and comprises automatically generating first differential image data comprising the difference of the first and the second image data, (13a); automatically generating second differential image data comprising the difference of the second and the third image data (13b); automatically generating product of difference (POD) image data comprising the product of the first and the second differential image data, (14); and automatically detecting the presence of moving microscopic object(s) in the sample volume on the basis of product pattern(s) present in the POD image data (17).

10 Fig. 1

(56) Documents Cited : GB 2432660 A GARCIA-SUCERQUIA J et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6524

(21) Application No : AP/P/2020/012555

(22) Filing Date : 13.02.2019

(24) (45) Date of Grant & Publication : 07/11/2022

(73) Applicant(s)
DOLBY LABORATORIES LICENSING CORPORATION, 1275 Market Street San Francisco, California 94103, United States of America

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/630,385	14.02.2018
US	62/691,366	28.06.2018
US	62/726,608	04.09.2018
US	62/739,402	01.10.2018
US	62/772,228	28.11.2018
US	62/782,659	20.12.2018
US	62/792,122	14.01.2019

(72) Inventors
YIN Peng, United States of America
PU Fangjun, United States of America
LU Taoran, United States of America
et al

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

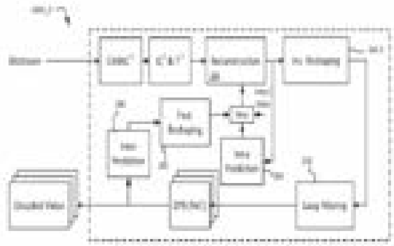
(74) Representative
FISHER CORMACK & BOTHA, Malawi

(51) International Classification :
H04N 19/503 (2014.01)
H04N 19/176 (2014.01)
H04N 19/107 (2014.01)
H04N 19/82 (2014.01)
H04N 19/147 (2014.01)
H04N 19/159 (2014.01)
H04N 19/46 (2014.01)
H04N 19/117 (2014.01)
H04N 19/85 (2014.01)

(54) Title
IMAGE RESHAPING IN VIDEO CODING USING RATE DISTORTION OPTIMIZATION

(57) Abstract

Given a sequence of images in a first codeword representation, methods, processes, and systems are presented for image reshaping using rate distortion optimization, wherein reshaping allows the images to be coded in a second codeword representation which allows more efficient compression than using the first codeword representation. Syntax methods for signaling reshaping parameters are also presented.



(56) Documents Cited : WO 2016/164235 A1 FANGJUN PU (DOLBY) et al. US 2011/0243232 A1 PU (DOLBY) F et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6525

(21) Application No : AP/P/2020/012599

(22) Filing Date : 07.02.2019

(24) (45) Date of Grant & Publication : 07/11/2022

(73) Applicant(s)
KOBAYASHI Takaitsu, 3-16-33, Nekozane, Urayasu-shi, Chiba 2790004, Japan

(30) Priority Data

(33) Country	(31) Number	(32) Date
JP	2018-036840	01.03.2018

(72) Inventors
KOBAYASHI Takaitsu, Japan

(84) Designated States:

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

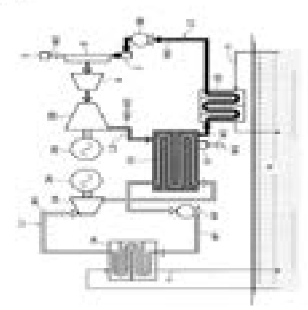
(74) Representative
FISHER CORMACK & BOTHA, Malawi

(51) International Classification : F01K 25/10 (2006.01); H02K 35/02 (2006.01); H02K 7/18 (2006.01)

(54) Title
WORKING MEDIUM PROPERTY DIFFERENCE POWER GENERATION SYSTEM AND WORKING MEDIUM PROPERTY DIFFERENCE POWER GENERATION METHOD THAT USES THE POWER GENERATION SYSTEM

(57) Abstract

To provide a power generation system and a power generation method that can use thermal energy in a natural world as a thermal source, and can perform power generation while suppressing loss of thermal energy as far as possible. A first heat exchanger 1A, a first thermal engine 2A, and a first power generator 3A are included on a first working medium line L1 that circulates a first working medium W1, a second heat exchanger 1B, a third working medium supply means 5 that supplies a third working medium W3, a mixing means 6 that mixes a second working medium W2 and the third working medium W3, a second thermal engine 2B, and a second power generator 3B are included on a second working medium line L2 that circulates the second working medium W2, and on both of a downstream side of the first thermal engine 2A on the first working medium line L1 and a downstream side of the second thermal engine 2B on the second working medium line L2, a third heat exchanger 1C is included, and a third working medium discharge means 10 for discharging the third working medium W3 to the third heat exchanger 1C is included.



(56) Documents Cited : EP 2754861 A1; JP 2015178923 A1; EP 3167166 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6526

(21) **Application No :** AP/P/2018/011162

(22) **Filing Date :** 05.05.2017

(24) (45) **Date of Grant & Publication :** 09/11/2022

(73) **Applicant(s)**
ECOPOLE AS, PO Box 156, 5868 Bergen, Norway

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
GB	1607925.3	06.05.2016

(72) **Inventors**
HAVELAND Einar Stale, Norway

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

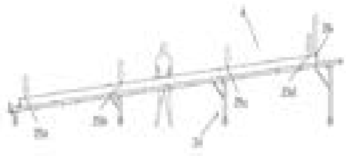
(74) **Representative**
FISHER CORMACK & BOTHA, Malawi

(51) **International Classification :** E04H 12/02 (2006.01); E01F 9/60 (2016.01); E04C 3/36 (2006.01); B29C 70/00 (2006.01); B29C 44/12 (2006.01)

(54) **Title**
SUPPORT POLES

(57) **Abstract**

A method of forming a support pole, comprising splitting one or more canes of bamboo, or similar tubular plant material, into a plurality of split lengths; inserting a bundle of the split lengths from one or more canes into an outer tube (4); tilting the outer tube (4) at an angle from horizontal and injecting a matrix material into the outer tube (4) so as to fill in between the split lengths and encapsulate the split lengths to form a substantially solid core. The method may comprise injecting the matrix material at multiple injection points (25a, 25b, 25c, 25d) along the length of the tube (4).



(56) **Documents Cited :** WO 2014/001811 A1; US 2008/152918 A1; US 6576331 B1; CN 2386128 Y

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6527

(21) **Application No :** AP/P/2019/011360

(22) **Filing Date :** 14.06.2018

(24) (45) **Date of Grant & Publication :** 09/11/2022

(73) **Applicant(s)**
HIL LIMITED, SLN TERMINUS, 7th Floor, Near Botanical Garden, Gachibowli, Hyderabad, 500032, India

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
IN	201741028594	11.08.2017

(72) **Inventors**
SATYANARAYANA Dr. Devunuri, India

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

(74) **Representative**
COGHLAN, WELSH & GUEST, Zimbabwe

(51) **International Classification :** C04B 28/04 (2006.01) E04C 2/04 (2006.01)

(54) **Title**
NON ASBESTOS SANDWICH PREFABRICATED PANELS WITH IMPROVED WET STRENGTH INSULATION AND MANUFACTURING PROCESS THEREOF

(57) **Abstract**

Non-asbestos based sandwich prefabricated panels a pair of having high wet strength facings with a light weight concrete core sandwiched between the facing sheets wherein the light weight concrete core is made up of water 30 to 60% of total weight of the mix(w/w), 0.05-0.5% of an aerating agent such as aluminum powder, 0 to 20% of low density aggregate exfoliated vermiculite and/or perlite, 0 to 70% of pozzolonic material such as pulverized fly ash, 0.0-4% modified/unmodified wollastonite, 0.1-4% cellulose fibers (jeans/cotton), 0.2-2% high modulus reinforcing fibers such as PET, PP, PVA, carbon fibers etc and remaining is Portland cement.

(56) **Documents Cited :** GB 2324105 A EP 1330580 A1 JP 2005180176 A AU 2009101032 A4

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6528

(21) Application No : AP/P/2020/012624

(22) Filing Date : 22.02.2019

(24) (45) Date of Grant & Publication : 09/11/2022

(73) Applicant(s)
ELI LILLY AND COMPANY, Lilly Corporate Center, Indianapolis, Indiana 46285, United States of America

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/636,978	01.03.2018
US	62/775,553	05.12.2018

(72) Inventors
DALLY Robert Dean, United States of America
GARCIA PAREDES Maria Cristina, United States of America
HEINZ II Lawrence Joseph, United States of America
et al

(84) Designated States:
BW GH KE NA

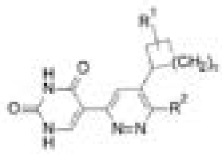
(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : C07D 403/04 (2006.01) A61K 31/513 (2006.01) A61P 35/00 (2006.01)

(54) Title
CD73 INHIBITORS

(57) Abstract

The present invention provides 5-[5]-[2-cycloalkyl]-6-pyridazin-3-yl]-1Hpyrimidine-2,4-dione compounds, or pharmaceutically acceptable salts thereof, that 5 inhibit the activity of CD73 and are useful in treating cancer.



(56) Documents Cited : WO 2017/120508 A1; US 6,713,623 B2; YA-PING GONG et al.; RAHILA RAHIMOVA et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6529

(21) Application No : AP/P/2020/012702

(22) Filing Date : 22.04.2019

(24) (45) Date of Grant & Publication : 09/11/2022

(73) Applicant(s)
PFIZER INC., 235 East 42nd Street, New York, New York 10017, United States of America

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/663,096	26.04.2018
US	62/750,454	25.10.2018
US	62/826,609	29.03.2019

(72) Inventors
CHO-SCHULTZ Sujin, United States of America
CHEN Ping, United States of America
DEAL Judith Gail, United States of America
et al

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

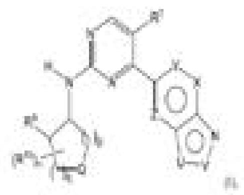
(74) Representative
GALLOWAY & COMPANY, Zimbabwe

(51) International Classification : C07D 401/14 (2006.01) C07D 487/04 (2006.01) A61P 35/00 (2006.01) C07D 405/14 (2006.01) C07D 498/04 (2006.01)

(54) Title
2-AMINO-PYRIDINE OR 2-AMINO-PYRIMIDINE DERIVATIVES AS CYCLIN DEPENDENT KINASE INHIBITORS

(57) Abstract

This invention relates to compounds of Formula (I) or a pharmaceutically acceptable salt thereof, in which R-groups R^1 to R^{23}, A, Q, U, V, W, X, Y, Z, n, p and q are as defined herein, to pharmaceutical compositions comprising such compounds and salts, and to methods of using such compounds, salts and compositions for the treatment of abnormal cell growth, including cancer, in a subject.



(56) Documents Cited : WO 2014/60017 A1; WO 2006/050076 A1; WO 2018/013867 A1; WO 2011/014515 A1; CN 105 11 191 A; WO 2014/60017 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6530

(21) Application No : AP/P/2020/012714

(22) Filing Date : 05.04.2019

(24) (45) Date of Grant & Publication : 11/11/2022

(73) Applicant(s)
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 Stockholm, Sweden

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/653,493	05.04.2018
US	62/653,871	06.04.2018

(72) Inventors
MURUGANATHAN Siva, Canada
GAO Shiwei, Canada
LIN Xingqin, United States of America
et al

(84) Designated States:
KE

(74) Representative
ROLAND INTELLECTUAL PROPERTY CONSULTANTS, Namibia

(51) International Classification : H04W 52/28 (2009.01) H04W 52/24 (2009.01) H04W 52/14 (2009.01)

(54) Title
AIRBORNE STATUS DEPENDENT UPLINK POWER CONTROL RELATED TASK(S) FOR AERIAL UES

(57) Abstract

Systems and methods are disclosed herein for uplink power control in a cellular communications network that are particularly well-suited for flying wireless devices (e.g., aerial User Equipments (UEs)). In some embodiments, a method performed by a wireless device for uplink power control comprises receiving, from a base station, reference altitude information comprising one or more height thresholds and detecting that a height of the wireless device is above a height threshold. The method further comprises triggering and sending a measurement report to the base station upon detecting that the height of the wireless device is above the height threshold, and receiving, from the base station, an indication to use a particular one of two or more fractional pathloss compensation factors for uplink power control. The two or more fractional pathloss compensation factors for uplink power control comprise one or more wireless device specific fractional pathloss compensation factors.

FIG. 8

(56) Documents Cited : "3rd Generation Partnership Pr NOKIA et al. ERICSSON, "Enhanced LTE Su

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6531

(21) **Application No :** AP/P/2017/010395

(22) **Filing Date :** 15.06.2016

(24) (45) **Date of Grant & Publication :** 14/11/2022

(73) **Applicant(s)**
COMBI WEAR PARTS AB, Box 205, 681 24 Kristinehamn, Sweden

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
SE	1530100-5	26.06.2015

(72) **Inventors**
QUARFORDT Per, Sweden
GABELA Adnan, Sweden
LINDBLAD Jonas, Sweden
et al

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

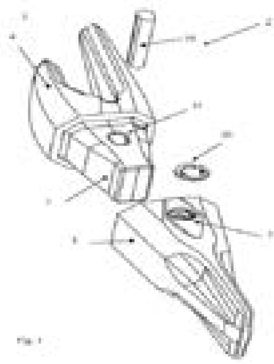
(74) **Representative**
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) **International Classification :** E02F 9/28 (2006.01)

(54) **Title**
WEARING PART SYSTEM AND METHOD FOR LOCKING A WEARING PART

(57) **Abstract**

The invention concerns a wearing part system comprising a wearing part holder, a wearing part, where the wearing part and the wearing part holder jointly define at least one locking opening, a wedge for locking of the wearing part to the wearing part holder, where the wearing part is arranged with a rotatable rotary disk, where the rotary disk can be arranged in a first open position and a second closed position, and the wedge can move in the locking opening through the rotary disk, when the rotary disk is oriented in a first open position, and the wedge is locked and retains the wearing part against the wearing part holder when the rotary disk is oriented in a second closed position. The invention moreover concerns a lock and a method for releasable locking of a wearing part to a wearing part holder.



(56) **Documents Cited :** US 5 956 874 A, US 6 574 892 B2, EP 1 852 557 A2, US 2013/0247428 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6532

(21) Application No : AP/P/2018/010578

(22) Filing Date : 19.08.2016

(24) (45) Date of Grant & Publication : 14/11/2022

(73) Applicant(s)
METSO MINERALS INDUSTRIES, INC., 20965 Crossroads Circle, Waukesha, WI 53186, United States of America

(30) Priority Data

(33) Country	(31) Number	(32) Date
EP	15182028.9	21.08.2015

(72) Inventors
NIKLEWSKI Andrzej, Brazil
BARSCEVICIUS Paulo, Brazil

(84) Designated States:
GH

(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : B02C 2/04 (2006.01) B02C 2/06 (2006.01)

(54) Title
CRUSHER DEVICE COMPRISING AN OVERLOAD SAFETY DEVICE

(57) Abstract

A crusher device such as a cone or gyratory crusher, the crusher device comprising: a shaft defining a first direction parallel to its length, the shaft comprising an upper shaft end; a crusher head; and an overload safety device coupling the crusher head to the upper shaft end, the overload safety device comprising a biasing device configured to bias the crusher head away from the upper shaft end in the first direction, wherein: the overload safety device is configured to permit displacement of the crusher head along the first direction relative to the shaft in response to a force acting on the crusher head in the first direction.

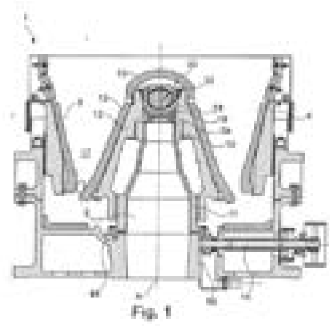


Fig. 1

(56) Documents Cited : US 3 873 037 A; US 2006/0144979 A1; US 4 339 087 A; WO 2005/102530 A1; EP 1 843 851 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6533

(21) Application No : AP/P/2019/011440

(22) Filing Date : 10.10.2017

(24) (45) Date of Grant & Publication : 14/11/2022

(73) Applicant(s)
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 Stockholm, Sweden

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/406,112	10.10.2016

(72) Inventors
LINDOFF Bengt, Sweden
PARKVALL Stefan, Sweden
BALDEMAIR Robert, Sweden
et al

(84) Designated States:
TZ

(74) Representative
GALLOWAY & COMPANY, Zimbabwe

(51) International Classification : H04L 5/00 (2006.01); H04W 4/00 (2006.01); H04W 28/20 (2009.01); H04W 72/04 (2009.01)

(54) Title
METHOD AND APPARATUS FOR ADAPTIVE BANDWIDTH USAGE IN A WIRELESS COMMUNICATION NETWORK

(57) Abstract

A network node and a wireless device for operation in a wireless communication network, wherein it is determined that a second scheduling bandwidth is needed, based on an amount or type of data buffered for transmission to the wireless device. Reconfiguration of a receiver bandwidth of the wireless device is initiated to match the second scheduling bandwidth, wherein the second scheduling bandwidth is larger than a first scheduling bandwidth currently associated with the wireless device, and wherein the first and second scheduling bandwidths respectively define the bandwidth used for scheduling transmissions to the wireless device. Methods and computer programs therefor are also disclosed.

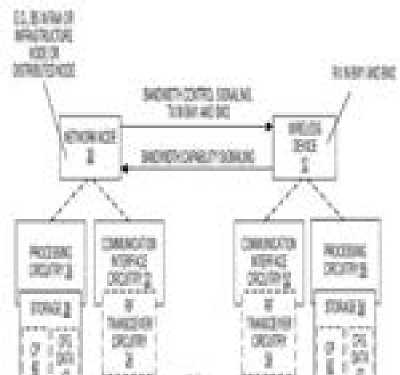


FIG. 2

(56) Documents Cited : MEDIATEK INC: "On Techniqu; "3rd Generation Partnership Pr; US 2012/275335 A1; WO 2010/148022 A1; "3rd Generation Partnership Pr; WO 2013/070731 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6534

(21) **Application No :** AP/P/2016/009289

(22) **Filing Date :** 19.11.2014

(24) (45) **Date of Grant & Publication :** 15/11/2022

(73) **Applicant(s)**
METSO MINERALS INDUSTRIES, INC., 20965 Crossroads Circle, Waukesha, WI 53186, United States of America

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
US	14/134,625	19.12.2013

(72) **Inventors**
BIGGIN David F, United States of America

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

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

(51) **International Classification :** B02C 2/04 (2006.01) B02C 23/04 (2006.01)

(54) **Title**
SPLIT MAINFRAME INCLUDING TRAMP RELEASE CYLINDERS

(57) **Abstract**

A split mainframe for use in a cone crusher that includes an upper mainframe and a lower mainframe joined to each other. The upper mainframe is positioned between the lower mainframe and an adjustment ring. A series of tramp release cylinders extend between an upper flange formed on the lower mainframe and an attachment flange formed on the adjustment ring. The series of tramp release cylinders compress the upper mainframe between the adjustment ring and the lower mainframe. The series of hydraulic tramp release cylinders create a compression force that prevents cyclic tension during crushing for the fasteners used to secure the lower mainframe to the upper mainframe.

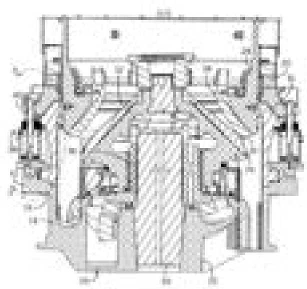


FIG. 2

(56) **Documents Cited :** US 2005/0269436 A1; US 6 000 648 A; EP 0 050 090 A2; US 4 478 373 B1; US 5 931 394 A; US 5 540 394 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6535

(21) Application No : AP/P/2017/010166

(22) Filing Date : 14.01.2016

(24) (45) Date of Grant & Publication : 16/11/2022

(73) Applicant(s)
AGARWAL Yogesh, B2 100 - B1, Sahara Grace, Behind Sahara Mall, MG Road, Gurgaon 122002, India

(30) Priority Data

(33) Country	(31) Number	(32) Date
IN	603/DEL/2015	03.03.2015

(72) Inventors
AGARWAL Yogesh, India

(84) Designated States:
KE ZW

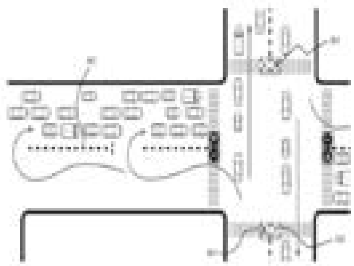
(74) Representative
ROLAND INTELLECTUAL PROPERTY CONSULTANTS, Namibia

(51) International Classification : G08G 1/00 (2006.01) B60Q 1/00 (2006.01)

(54) Title
TRAFFIC DIVERSION SIGNALLING SYSTEM AND METHOD

(57) Abstract

The present invention provides a traffic diversion system at a traffic intersection which comprises a traffic signal arrangement including a straight-through signal, a stop signal, a custom signal. The traffic diversion system at a traffic intersection further provides for two opposite straight-through signals to open at a time and direct right turn in a left-hand traffic system and a direct left turn in a right-hand traffic system is prohibited. According to an embodiment, the vehicle which intends to take right turn in a left-hand traffic system will be directed using custom signal to take a left turn and a 'U' turn. Similarly, in a right-hand traffic system, the vehicle which intends to take left turn will be directed to take a right turn and a 'U' turn upon the custom signal being enabled.



(56) Documents Cited : WO 03079311 A1, KR 100899789 B1, KR 20040068889 A, US 2008/0284616 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6536

(21) Application No : AP/P/2018/010826

(22) Filing Date : 25.06.2018

(24) (45) Date of Grant & Publication : 17/11/2022

(73) Applicant(s)
PECO POWER (PROPRIETARY LIMITED, Suite 201, Private bag x 30500, Parktown, Johannesburg, South Africa

(30) Priority Data

(33) Country	(31) Number	(32) Date
ZA	2017/04436	29.06.2017

(72) Inventors
CRONJE Willem Abraham, South Africa

(84) Designated States:

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

(74) Representative
FISHER CORMACK & BOTHA, Malawi

(51) International Classification : H02J1/0H02J13(2015.01) G01R19G05F5/((2015.01) G01R19G01R15(2015.01) H02B7/i (2015.01)

(54) Title
DC MICROGRID DEVICE AND ELECTRICITY DISTRIBUTION NETWORK

(57) Abstract

The invention relates to a DC (Direct Current) microgrid device 10 which is electrically connectable to other DC microgrid devices in order to form a microgrid 100. The device 10 includes at least one microgrid connector 50.1-50.3, 52.1-52.3, 54.1-54.3, 56.1-56.3 via which the device 10 is connectable to other DC microgrid devices in order to form the microgrid 100; and at least one electrical connector to which an electrical load 30.1, 30.2, a power source 39, or electricity storage arrangement 37 can be connected. The device 10 further includes a controller 40.1-40.4 which is configured to (a) measure a grid voltage of the microgrid 100, (b) determine whether the measured voltage meets a predetermined voltage criterion/criteria and (c) if the measured voltage does not meet the predetermined voltage criterion/criteria, adjust the amount of power delivered to, or drawn from the microgrid 100, via the microgrid connector.

(56) Documents Cited : US 2017/010272.6 A1 US 2017/0117716 A1 WO 2016/077813 A1 US 2012/0095612 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6537

(21) Application No : AP/P/2019/011767

(22) Filing Date : 17.01.2018

(24) (45) Date of Grant & Publication : 17/11/2022

(73) Applicant(s)
RUBICON RESEARCH PTY LTD, 1 Cato Street, Hawthorn East, Victoria 3122, Australia

(30) Priority Data

(33) Country	(31) Number	(32) Date
AU	2017900133	17.01.2017

(72) Inventors
AUGHTON David John, Australia
BISH Gordon John, Australia
BAYLISS Craig Joseph, Australia
et al

(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 : G01F 1/66 (2006.01)

(54) Title
FLOW MEASUREMENT

(57) Abstract

An arrangement 5 of acoustic transducers 7a, 7b, 7c, 7d, 9a, 9b, 9c, 9d, 11a, 11b,11c, 11d, 13a, 13b, 13c, 13d for a flow meter. The flow meter is for measuring the rate at which fluid is flowing. The arrangement includes a respective transducer set 7, 9, 11, 13 for each edge of a notional regular polygon NRP. The transducer sets are associated with a tubular cavity for carrying the fluid. Each of the transducer sets respectively includes two acoustic transducers oriented to define an acoustic path lying in a measurement plane MP7 of the respective set, and another two acoustic transducers oriented to define another acoustic path lying in the measurement plane of the respective set. The transducers sets are positioned so that, in cross-section normal to the tubular cavity, the measurement plane of each respective transducer set is coincident with a respective edge of the notional regular polygon.

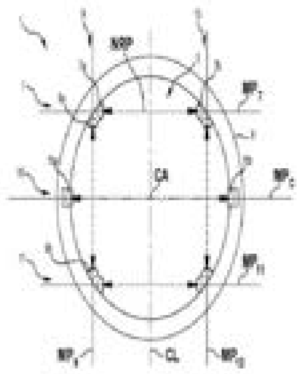


Figure 2

(56) Documents Cited : WO 2010/002432 A1; US 3918304 A; GB 2318414 A; WO 2016/004471 A1; WO 2016/144585 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6538

(21) Application No : AP/P/2020/012261

(22) Filing Date : 04.09.2018

(24) (45) Date of Grant & Publication : 17/11/2022

(73) Applicant(s)
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 Stockholm, Sweden

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/567,168	02.10.2017

(72) Inventors
SAHLIN Henrik, Sweden
AXNÄS Johan, Sweden

(84) Designated States:
KE UG

(74) Representative
ROLAND INTELLECTUAL PROPERTY CONSULTANTS, Namibia

(51) International Classification : H04W 74/08 (2009.01)

(54) Title
CONFIGURING RANDOM ACCESS CHANNELS FOR WIRELESS COMMUNICATIONS

(57) Abstract

According to certain embodiments, a method for use in a wireless device is disclosed. The method comprises determining whether to restrict transmission of a random access preamble during at least a portion of a synchronization signal (SS) burst set. The SS burst set comprises at least one SS block indicated as being transmitted. In certain embodiments, the method/wireless device/computer program code further comprises transmitting the random access preamble during a time that transmission of the random access preamble is not restricted.

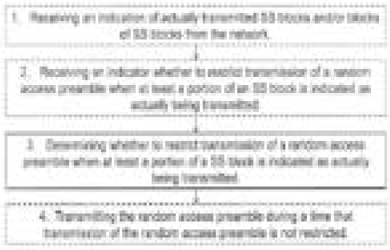


FIGURE I

(56) Documents Cited : ERICSSON: "NR four-step ranc CMCC: "Discussion on RACH o WO 2013/116762 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6539

(21) Application No : AP/P/2022/013942

(22) Filing Date : 31.03.2022

(24) (45) Date of Grant & Publication : 17/11/2022

(73) Applicant(s)
JIANGSU INSTITUTE OF PARASITIC DISEASES, No. 117, Meiyuanyang Alley, Binhu District, Wuxi City, Jiangsu Province 214064, China

(30) Priority Data

(33) Country	(31) Number	(32) Date
CN	202110953707.4	19.08.2021

(72) Inventors
SHI Liang, Peoples Republic of China
LI Wei, Peoples Republic of China
YANG Kun, Peoples Republic of China
et al

(84) Designated States:
KE MW TZ UG ZM ZW

(74) Representative
PALLADIUM STRATEGY & IP CONSULTANTS, Zimbabwe

(51) International Classification : G06K 9/00 (2006.01) G06K 3/04 (2006.01) G06K 9/62 (2006.01) G06K 3/08 (2006.01)

(54) Title
SYSTEM FOR COLLECTING, SUBDIVIDING AND RECOGNIZING SNAILS

(57) Abstract

Disclosed is a system for collecting, subdividing and recognizing snails, the system includes an offline system and an online system, the offline system includes image labeling and snail recognition model development, the snail recognition model includes data collection, data labeling, model construction, and model training and optimization. Based on the image recognition technology of the deep convolutional neural network, a precise recognition system for the intermediate host snails of parasites and their similar snails in a natural scene are proposed. Combined with the snail image database and encyclopedia knowledge base, a mobile phone APP's parasite intermediate host snail intelligent identification system is developed. The system runs on a mobile phone, which is portable and low in cost. It solves the problem that the prior art cannot automatically subdivide and identify the snails, provides an important reference for the highquality snail search of frontline snail investigators, and provides convenience for the general public to quickly identify the intermediate host of parasite snails.

(56) Documents Cited : CN110458109 A CN110929603 A US 2020/0210773 A1 CN113128341 A CN110991511 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6540

(21) **Application No :** AP/P/2016/009414

(22) **Filing Date :** 23.01.2015

(24) (45) **Date of Grant & Publication :** 24/11/2022

(73) **Applicant(s)**
LAXMINARAYANA Praharaju, 35E, Phase V, IDA Cherlapally, Hyderabad, 500051, India
KUMAR SINGH Ajay, 35E, Phase V, IDA Cherlapally, Hyderabad, 500051, India India

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
IN	325/CHE/2014	27.01.2014

(72) **Inventors**
KUMAR SINGH Ajay, India

(84) **Designated States:**
TZ

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

(51) **International Classification :** A01N 63/04 (2006.01) A01P 13/00 (2006.01)

(54) **Title**
MYCOHERBICIDAL COMPOSITION FOR CONTROLLING LANTANA CAMARA WEED

(57) **Abstract**

The invention relates to describe host-specific extracellular phytotoxins produced by Fusarium sp. that has a phytotoxic to Lantana camara. A novel method using phytotoxin has been developed for controlling Lantana camara, these phytotoxin can be used partially pure, as a cell-and spore-free filtrate, a crude filtrate, or a crude suspension of the culture and optionally along with other additives. 18s rRNAsequence analysis showed 93% nucleotide similarity of the Fungi to Fusarium sp. but also indicated nucleotide variation of this fungus from other known genus of Nectaria, Mariannaea, Volutella, Myrothecium. This analysis suggested that the novel fungus is closest to Fusarium sp. It is proposed that this is a new species of Fusarium sp.

(56) **Documents Cited :** Sanjai Saxena et al. Hamed K. Abbas et al. SANTOSH PANDEY, A.K. PAND ABBAS et al. A.K. PANDEY, POONAM CHANI WEBER et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6541

(21) Application No : AP/P/2019/012040

(22) Filing Date : 30.10.2017

(24) (45) Date of Grant & Publication : 24/11/2022

(73) Applicant(s)
SHANGHAI TRANSSION INFORMATION TECHNOLOGY LIMITED, 301, Building 1, 433 Lane, Guoshoujing Road, Shanghai Free Trade Zone, China

(30) Priority Data

(33) Country	(31) Number	(32) Date
CN	PCT/CN2017/1082	30.10.2017

(72) Inventors
JIN Long, Peoples Republic of China
XIAO Feng, Peoples Republic of China

(84) Designated States:

(74) Representative
INVENTA MOZAMBIQUE, LDA., Mozambique

(51) International Classification : H05K 5/04 (2006.01) H04M 1/02 (2006.01) B29C 65/48 (2006.01)

(54) Title
PRESSURE HOLDING FIXTURE, MOBILE PHONE BACK SHELL AND METHOD FOR MANUFACTURING THEREFOR

(57) Abstract

The present disclosure provides a mobile phone back shell (100), a pressure holding fixture (200) and a method for manufacturing the mobile phone back shell (100). A bottom housing (10) can be fixed by the positioning pillars (212, 213) defined on the pressure holding fixture (200), for avoiding the displacement of the bottom housing (10) during attaching and pressurizing a first decorative piece (20). Therefore, the first decorative piece (20) can be precisely positioned, for being able to obtain the mobile phone back shell (100) having a better appearance.

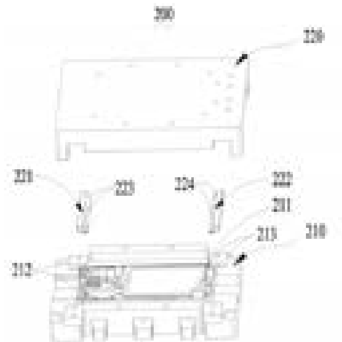


FIG 2

(56) Documents Cited : CN 205889890 U CN 106358409 A CN 202918348 U

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP
(11) Patent No : AP 6542 (21) Application No : AP/P/2019/012041 (22) Filing Date : 22.06.2017 (24) (45) Date of Grant & Publication : 24/11/2022		(73) Applicant(s) SHANGHAI TRANSSION INFORMATION TECHNOLOGY LIMITED, 301, Building 1, 433 Lane, Guoshoujing Road, Shanghai Free Trade Zone, 201203, China
(30) Priority Data (33) Country: CN (31) Number: PCT/CN2017/0896 (32) Date: 22.06.2017		(72) Inventors JIE Yingping, Peoples Republic of China ZHU Binjie, Peoples Republic of China
(84) Designated States: TZ		(74) Representative INVENTA MOZAMBIQUE, LDA., Mozambique

(51) International Classification : H04M 1/02 (2006.01)

(54) Title
TERMINAL DEVICE WITH DUAL CAMERA MODULE

(57) Abstract

The present disclosure provides a terminal device with a with a dual camera module, including: a body, a first camera module, a second camera module, a back shell, and a mounting support. The first camera module and the second camera module are both fixed to the mounting support, a lens of the first camera module and a lens of the second camera module are on the same plane, the mounting support is mounted on the body, the body is covered by the back shell, a first window with a size matching the lens of the first camera module is defined in a position of the back shell facing the first camera module, and a second window with a size matching the lens of the second camera module is defined in a position of the back shell facing the second camera module. The second camera module of the terminal device is closer to the rear glass lens, thus reducing the size of the window. As such, the stray light would not occur in the photographing picture, which greatly improves the user experience.

(56) Documents Cited : CN 106534417 A US 2017085764 A1 WO 2015103448 A2

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6543

(21) Application No : AP/P/2020/012881

(22) Filing Date : 16.07.2019

(24) (45) Date of Grant & Publication : 21/11/2022

(73) Applicant(s)
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, 2596 HR The Hague, The Netherlands

(30) Priority Data

(33) Country	(31) Number	(32) Date
EP	18184106.5	18.07.2018

(72) Inventors
SPECHT John Henry, The Netherlands
VAN DE LISDONK Carolus Antonius Cornelis, The Netherlands
BERGMANN Raymond Petrus Henricus Maria, The Netherlands

(84) Designated States:
MZ TZ

(74) Representative
HONEY & BLANCKENBERG, Zimbabwe

(51) International Classification : B01D 53/14 (2006.01)

(54) Title
PROCESS AND SYSTEM TO PURIFY GAS

(57) Abstract

A process for producing a purified gas stream from a feed gas stream comprising methane, carbon dioxide, and aromatic compounds selected from the group of benzene, toluene, ethylbenzene, o-xylene, m-xylene and p-xylene (BTEX), the process comprising the steps of: - measuring respective amounts of carbon dioxide and aromatic compounds in the feed gas; - providing the measured amounts of carbon dioxide and aromatic compounds in the feed gas to a controller; - providing the feed gas stream to an acid gas removal unit (AGRU); - providing a stream of absorbing liquid comprising at least sulfolane, water and a secondary or tertiary amine to the AGRU for contacting the feed gas stream with the absorbing liquid in the AGRU; - providing an AGRU waste stream comprising absorbing liquid loaded with carbon dioxide and aromatic compounds; - providing an AGRU outlet stream wherein carbon dioxide and aromatic compounds have been at least partially removed; and - the controller adjusting one or more of composition, temperature, and flow rate of the stream of absorbing liquid to the AGRU to prevent amounts of aromatic compounds in the AGRU outlet stream from exceeding a predetermined maximum threshold.

(56) Documents Cited : WO 2016/150827 A1 EP 2868 364 A1 WO 2007/003618 A1 WO 2007/003618 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6544

(21) **Application No :** AP/P/2019/012078

(22) **Filing Date :** 24.03.2016

(24) (45) **Date of Grant & Publication :** 24/11/2022

(73) **Applicant(s)**
CHANNELL COMMERCIAL CORPORATION, 26040 Ynez Road, Temecula, CA 92591-6033, United States of America
PRC COMPOSITES, LLC, 1400 S. Campus Ave., Ontario, CA 91761, United States of America

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
US	14/684,209	10.04.2015

(72) **Inventors**
BURKE Edward J, United States of America
ATKINS Thomas, United States of America
BEACH Brian Anthony, United States of America
et al

(84) **Designated States:**
BW KE ZW

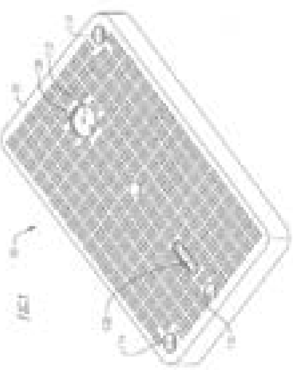
(74) **Representative**
GALLOWAY & COMPANY, Zimbabwe

(51) **International Classification :** B29D 11/00 (2006.01) G02B 6/255 (2006.01) G02B 1/04 (2006.01)

(54) **Title**
THERMOSET POLYMER UTILITY VAULT LID

(57) **Abstract**

A fiber reinforced polymer material lid or cover for a utility vault made from an unsaturated polyester thermosetting resin matrix, glass fiber reinforcement, an inorganic filler and an ultraviolet inhibitor. The lid or cover has a flat textured upper surface having a plurality of bosses having different heights extending above the upper surface and a bottom surface having an outer perimeter rim with a recessed interior cavity having a number of continuous support ribs extending through the recessed interior cavity from opposite sides of the outer perimeter of the rim to transfer load placed on the lid or cover and minimize deflection under the load to the outer perimeter rim.



(56) **Documents Cited :** EP 0 541 350 A2; BR 1020 1202 0655 A2; AU 2014 101 497 A4; CN 102 633 468 B; AU 2009 101 231 A4; US 2012/0114414 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6545

(21) **Application No :** AP/P/2020/012419

(22) **Filing Date :** 26.11.2018

(24) (45) **Date of Grant & Publication :** 24/11/2022

(73) **Applicant(s)**
RPL HOLDINGS LIMITED, 8 Murieston Road, Hale, Altrincham Cheshire WA15 9ST, United Kingdom

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
GB	1719692.4	27.11.2017
GB	1800521.5	12.01.2018
GB	1805792.7	06.04.2018
GB	1810959.5	04.07.2018
GB	1815477.3	24.09.2018
GB	1816781.7	15.10.2018

(72) **Inventors**
POOLE John Edward, United Kingdom
POWELL Richard, United Kingdom

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

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

(51) **International Classification :** C09K 5/04 (2006.01)

(54) **Title**
LOW GWP REFRIGERANT BLENDS

(57) **Abstract**

Non-ozone depleting and non-flammable refrigerant compositions with GWPs less than 1050 which may replace HFC404A, HFC507 and HFC410A in refrigeration and air-conditioning systems.

(56) **Documents Cited :** WO 2017/151488 A1, WO 2016/156812 A1, US 2014/222699 A1, US 2013/119299 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6546

(21) **Application No :** AP/P/2021/012937

(22) **Filing Date :** 01.05.2019

(24) (45) **Date of Grant & Publication :** 24/11/2022

(73) **Applicant(s)**
LT (USA) CORPORATION, 3115 Stephen Drive, Edinburg, Texas 78539, United States of America

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
US	16/024,480	29.06.2018

(72) **Inventors**
SHUY Geoffrey Wen-Tai, Taiwan, Province and China

(84) **Designated States:**
GH

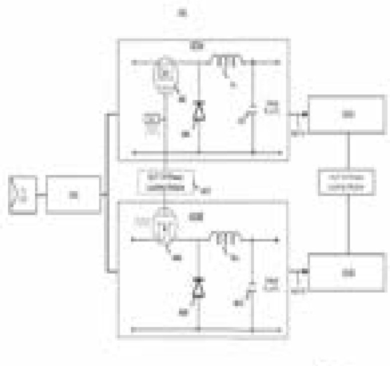
(74) **Representative**
FISHER CORMACK & BOTHA, Malawi

(51) **International Classification :** H02M 7/42 (2006.01) H02M 7/527 (2006.01) H02M 1/092 (2006.01) H02M 7/515 (2007.01) H02M 1/088 (2006.01)

(54) **Title**
SINGLE-PHASE ENERGY UTILIZATION TRACKING INVERTER

(57) **Abstract**

A single-phase Energy Utilization Tracker (EUT) inverter that comprises two DC/AC conversion modules. At any time, the two modules combined can sequentially extract and convert most the power provided by a DC energy source into two AC power (voltage) trains. The first AC power (voltage) train conforms to the power grid convention; while the second AC power train has a 90 degree phase difference to the specific power line pair. In according to the principle described herein, this single-phase EUT inverter further comprising a phase adjuster to adjust the phase of the second AC power (voltage) train by 90 degrees to become synchronous with the first AC power train; both AC power trains being then suitable to deliver into the same power line.



(56) **Documents Cited :** US 8471409 B2 US 2012/0275196 A1 US 2006/0181906 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6547

(21) **Application No :** AP/P/2016/008980

(22) **Filing Date :** 04.08.2014

(24) (45) **Date of Grant & Publication :** 24/11/2022

(73) **Applicant(s)**
KOURIS Paul Steven, 10 Ricketts Court, Kalorama, Victoria 3766, Australia

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
AU	2013902924	05.08.2013

(72) **Inventors**
KOURIS Paul Steven, Australia

(84) **Designated States:**
MZ SL ZM ZW

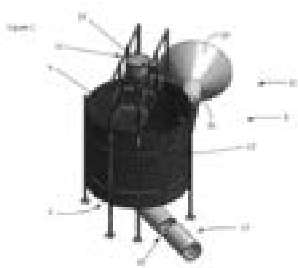
(74) **Representative**
FISHER CORMACK & BOTHA, Malawi

(51) **International Classification :** F03B 3/04 (2006.01) F03B 13/10 (2006.01) F03B 13/08 (2006.01)

(54) **Title**
AN ASSEMBLY FOR GENERATING ELECTRICITY

(57) **Abstract**

An assembly for generating electricity from flowing water includes a chamber having a base, a side wall extending from the base, a water inlet, and a water outlet, a rotor unit having a shaft and a rotor mounted to the shaft located in and rotatable in the chamber in response to water flow through the chamber, and an electrical generator coupled to the rotor unit for generating electricity in response to rotation of the rotor. The dimensions of the inlet, the outlet and the chamber and the positions of the inlet, the outlet and the rotor are selected to promote the formation of a vortex within the chamber when in use the assembly is located in a body of water or beside a body of water, in a waterway or beside a waterway, within an enclosed water conduit or beside an enclosed water conduit, and there is a flow of water through the chamber from the inlet to the outlet.



(56) **Documents Cited :** "The Kouris Centri Turbine Ger; US 5 921 745 A; "KCT Domestic Pilot Demonstr.; JP 2012 031767 A; WO 2011/051421 A2; DE 10 2011 112521 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6548

(21) Application No : AP/P/2016/009143

(22) Filing Date : 19.09.2014

(24) (45) Date of Grant & Publication : 24/11/2022

(73) Applicant(s)
MINCON INTERNATIONAL LTD., Smithstown Industrial Estate, Shannon, Co. Clare, Ireland

(30) Priority Data

(33) Country	(31) Number	(32) Date
UK	1316631.9	19.09.2013

(72) Inventors
PURCELL Joseph, Ireland
KOSOVICH John, Ireland
WANG Tony, Ireland

(84) Designated States:
GH TZ

(74) Representative
FISHER CORMACK & BOTHA, Malawi

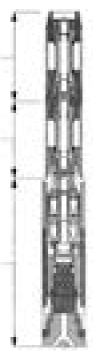
(51) International Classification : E21B 21/12 (2006.01); E21B 17/042 (2006.01); E21B 21/10 (2006.01); E21B 4/14 (2006.01); E21B 17/18 (2006.01)

(54) Title
DRILL ROD FOR PERCUSSION DRILL TOOL

(57) Abstract

The present invention relates to a drill rod (2) for a fluid-operated apparatus, particularly a percussion drill tool (1). The drill rod (2) comprises a first connection interface (100) at a first end (101) and a second connection interface (102) at a second end (103). The first connection interface (100) is for connection of the drill rod (2) to a second connection interface (102) of a like drill rod (3) or to the apparatus (1). The second connection interface (102) is for connection of the drill rod (2) to a first connection interface of a like drill rod (3) or to a fluid transfer device. The drill rod also comprises a plurality of discrete fluid flow channels (4, 6, 8) through the drill rod, a first member (23) moveably mounted in the first connection interface (100) and a second member (22) moveably mounted in the second connection interface. The first moveable member is the innermost component in the first connection interface and the second moveable member is the innermost component in the second connection interface. When the drill rod (2) is connected to a like drill rod (3) or to the apparatus (1) or to the fluid transfer device, at least two of the fluid flow channels (4, 6) are placed in fluid communication with corresponding channels (4, 6) of the like drill rod or the apparatus or the fluid transfer device by movement of the first (23) and second (22) moveable members only.

Figure 1



(56) Documents Cited : GB 2 481 848 A US 2012/247839 A1 EP 0 022 865 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6549

(21) **Application No :** AP/P/2019/011878

(22) **Filing Date :** 20.03.2018

(24) (45) **Date of Grant & Publication :** 24/11/2022

(73) **Applicant(s)**
THE BROAD INSTITUTE, INC., 415 Main Street, Cambridge, Massachusetts 02142, United States of America
PRESIDENT AND FELLOWS OF HARVARD COLLEGE, 17 Quincy Street, Cambridge, Massachusetts 02138-3876, United States of America

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
US	62/473,771	20.03.2017

(72) **Inventors**
COMER Eamon, United States of America
KATO Nobutaka, United States of America
MORNINGSTAR Marshall, United States of America
et al

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

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

(51) **International Classification :** A61K 31/395 (2006.01) C07D 487/04 (2006.01)

(54) **Title**
COMPOUNDS AND METHODS FOR THE TREATMENT OF PARASITIC DISEASES

(57) **Abstract**

Provided herein are compounds useful for the treatment of various parasitic diseases. These compounds, as well as pharmaceutically acceptable salts thereof may be formulated in pharmaceutical compostions, veterinary compositions and may be used in methods of treatment and/or prophylaxis of diseases spread by parasites, including malaria and cryptosporidiosis.

(56) **Documents Cited :** US 2016/0289235 A1 US 3,176,017 A NOBUTAKA KATO et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6550

(21) **Application No :** AP/P/2016/009666

(22) **Filing Date :** 29.06.2015

(24) (45) **Date of Grant & Publication :** 28/11/2022

(73) **Applicant(s)**
JAPAN TOBACCO INC., 2-1, Toranomon 2-chome, Minato-ku, Tokyo 105-8422, Japan

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
JP	2014-133378	27.06.2014
JP	2014-194424	24.09.2014

(72) **Inventors**
TAKAKURA Yoshimitsu, Japan
KOGA Kazuharu, Japan
SHINJO Akira, Japan
et al

(84) **Designated States:**
MW TZ ZM ZW

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

(51) **International Classification :** A01H 5/00 (2006.01); A01H 1/06 (2006.01); C12N 15/113 (2010.01); A01H 1/00 (2006.01); C12N 15/01 (2006.01)

(54) **Title**
VIRUS-RESISTANT TOBACCO AND METHOD FOR CREATING SAME

(57) **Abstract**

A virus-resistant tobacco in accordance with the present invention is such that it includes a mutation in a translation initiation factor eIF(iso)4E gene, the mutation causing production of an eIF(iso)4E protein which is non-functional with respect to a virus or suppressing expression of the eIF (iso)4E gene, or a virus-resistant tobacco in accordance with the present invention is such that an expression level of the eIF(iso)4E gene is 20% or lower as compared to a wild type.

(56) **Documents Cited :** Jungsu JUNG and Inhwa YEAM; Xinhua WANG et al.; X. H. MO et al.; MASUTA et al.; FREIRE MIGUEL ANGEL, "Poty; M. ALA-POIKELA et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6551

(21) Application No : AP/P/2017/009907

(22) Filing Date : 20.10.2015

(24) (45) Date of Grant & Publication : 28/11/2022

(73) Applicant(s)
ENVIROLOGIX INC., 500 Riverside Industrial Parkway, Portland, ME 04103-1418, United States of America

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/066,277	20.10.2014
US	62/104,008	15.01.2015

(72) Inventors
PETERS Lars, United States of America
JUDICE Stephen A, United States of America
SHAFFER Daniel, United States of America
et al

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

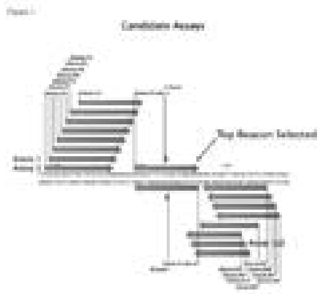
(74) Representative
FISHER CORMACK & BOTHA, Malawi

(51) International Classification : C12Q 1/68 (2006.01) C12P 19/34 (2006.01)

(54) Title
COMPOSITIONS AND METHODS FOR DETECTING AN RNA VIRUS

(57) Abstract

The present invention provides methods for rapidly identifying an RNA viral infection using an isothermal nucleic acid amplification reaction that can be carried out on extracted RNA in the context of a crude biological sample.



(56) Documents Cited : US 2013/280706 A1 US 2009/017453 A1 US2013217071
US 2010/099149 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6552

(21) **Application No :** AP/P/2017/010141

(22) **Filing Date :** 18.02.2016

(24) (45) **Date of Grant & Publication :** 28/11/2022

(73) **Applicant(s)**
ELI LILLY AND COMPANY, Lilly Corporate Center, Indianapolis, Indiana 46285, United States of America

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
US	62/121,116	26.02.2015

(72) **Inventors**
ALVARADO Alberto, United States of America
DRIVER David, United States of America
HAYASHI Mansuo Lu, United States of America
et al

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

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

(51) **International Classification :** A61P 25/28 (2006.01) A61K 39/00 (2006.01) C07K 16/18 (2006.01)

(54) **Title**
ANTIBODIES TO TAU AND USES THEREOF

(57) **Abstract**

Monoclonal antibodies to human tau aggregate, compositions comprising such tau antibodies, and methods of using such tau antibodies for the treatment of neurodegenerative diseases including Alzheimer's disease, Progressive Supranuclear Palsy and Pick's disease.

(56) **Documents Cited :** WO 2014/100600 A2 WO 2014/059442 A2 WO 2012/149365 A2
D. L. CASTILLO-CARRANZA et

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6553

(21) Application No : AP/P/2019/011952

(22) Filing Date : 12.01.2018

(24) (45) Date of Grant & Publication : 28/11/2022

(73) Applicant(s)
TLC PRODUCTS, 15752 Industrial Parkway, Cleveland, Ohio 44135, United States of America

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/501,500	04.05.2017

(72) Inventors
WONG John M, United States of America

(84) Designated States:

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

(74) Representative
GILL, GODLONTON & GERRANS, Zimbabwe

(51) International Classification :
A01N 25/12 (2006.01)
A01N 37/46 (2006.01)
A01N 59/06 (2006.01)
A01N 33/12 (2006.01)
A01N 43/16 (2006.01)
A01N 63/02 (2006.01)

(54) Title
METHODS OF PEST CONTROL

(57) Abstract

Methods of controlling agricultural pests are disclosed. An aerated liquid mixture is formed from a composition containing a bacterial nutrient source, a nitrogen-containing compound, a phosphate-containing compound, a magnesium-containing compound, a buffer, a chitinase inducer, and at least one strain of bacteria that produces chitinase. The liquid mixture is administered to soil and plants, and acts as an organic biological pesticide.

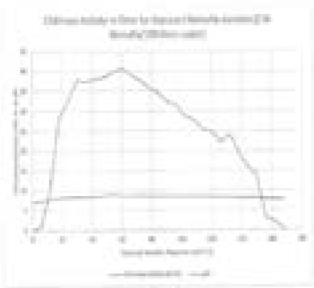


FIG 1

(56) Documents Cited :
WO 2013/148278 A1
US2016/058016 A1
CN 101 712 927 A
Abel-Shakur E. H: "Assessmen
US 2010/272701 A1
Slimene I. B et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6554

(21) Application No : AP/P/2020/012503

(22) Filing Date : 20.12.2018

(24) (45) Date of Grant & Publication : 28/11/2022

(73) Applicant(s)
STANDARD LITHIUM LTD., Suite 110, 375 Water Street, Vancouver, British Columbia, V6B 5C6, Canada

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/610,575	27.12.2017
US	16/224,463	18.12.2018

(72) Inventors
BROWN Craig Johnstone, Canada

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

(74) Representative
ROLAND INTELLECTUAL PROPERTY CONSULTANTS, Namibia

(51) International Classification : C01D 15/00 (2006.01) B01D 61/14 (2006.01) B01D 15/08 (2006.01) B01J 20/282 (2006.01)

(54) Title
PROCESS FOR RECOVERY OF LITHIUM FROM BRINE

(57) Abstract

A process for recovery of lithium ions from a lithium-bearing brine includes contacting the lithium-bearing brine with a lithium ion sieve (where that LIS includes an oxide of titanium or niobium) in a first stirred reactor to form a lithium ion complex with the lithium ion sieve, and decomplexing the lithium ion from the lithium ion sieve in a second stirred reactor to form the lithium ion sieve and an acidic lithium salt eluate.

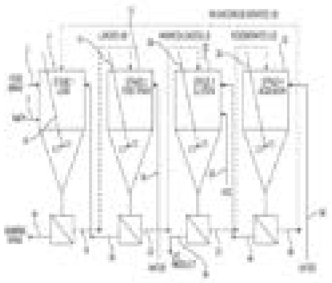


FIG. 1

(56) Documents Cited : CHIRAKAR, R, et al. LAWAGON CHOSEL P et al. CHEN, C.W, " Lithium Recover SHI, X et al. WO 2017 020090 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6555

(21) Application No : AP/P/2020/012416

(22) Filing Date : 15.11.2018

(24) (45) Date of Grant & Publication : 28/11/2022

(73) Applicant(s)
SHARP KABUSHIKI KAISHA, 1, Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan
FG INNOVATION COMPANY LIMITED, Flat 2623, 26/F Tuen Mun Central Square, 22 Hoi Wing Road, Tuen Mun, New Territories, Hong Kong, China

(30) Priority Data

(33) Country	(31) Number	(32) Date
JP	2017-219905	15.11.2017

(72) Inventors
TAKAHASHI Hiroki, Japan
YAMADA Shohei, Japan
TSUBOI Hidekazu, Japan
et al

(84) Designated States:
GH GM KE LR LS MW MZ RW SD TZ UG ZW

(74) Representative
FISHER CORMACK & BOTHA, Malawi

(51) International Classification : H04W 74/08 (2009.01) H04W 16/28 (2009.01)

(54) Title
TERMINAL APPARATUS, BASE STATION APPARATUS, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT

(57) Abstract

A terminal apparatus receives first information for identifying one or multiple random access channel occasions, and receives second information for identifying an index of a random access preamble. In a case that a first condition is satisfied, the terminal apparatus selects, from one or multiple reference signals, one reference signal based on a measurement of each of the one or multiple reference signals. In a case that a second condition is satisfied, the terminal apparatus selects one reference signal of the one or multiple reference signals associated with a PDCCH used to receive the second information. The terminal apparatus selects, from the one or multiple random access channel occasions, one random access channel occasion associated with the one reference signal selected.

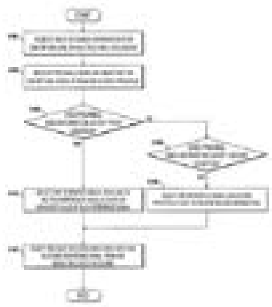


FIG. 10

(56) Documents Cited : CATT: "Further details on NR ‹ US 2016/0219619 A NTT DOCOMO et al. MOTOROLA MOBILITY et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6556

(21) **Application No :** AP/P/2020/012500

(22) **Filing Date :** 23.01.2019

(24) (45) **Date of Grant & Publication :** 28/11/2022

(73) **Applicant(s)**
SPINEX PTY LTD, PO Box 147, Kelmscott, Western Australia 6991, Australia

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
AU	2018900483	15.02.2018
AU	2018903391	10.09.2018

(72) **Inventors**
WILLIAMS David, Australia

(84) **Designated States:**
BW GH KE MW MZ TZ ZM ZW

(74) **Representative**
Cronjé & Co., Namibia

(51) **International Classification :** E21B 21/06 (2006.01) B04B 7/08 (2006.01) B04B 1/16 (2006.01)

(54) **Title**
METHOD AND APPARATUS FOR REMOVING PARTICULATES FROM A FLUID

(57) **Abstract**

An apparatus 10 for removing particulates from a fluid is described. The apparatus 10 includes a rotatable vessel 12 for receiving a dirty fluid containing the particulates in suspension, the vessel 12 having a plurality of side walls 14 arranged to form a polygonal cross-sectional shape in a plane orthogonal to an axis of rotation of the vessel. The vessel 12 has a fluid inlet port 16 through which the dirty fluid enters the vessel, and a fluid outlet port 18 through which a clean fluid exits the vessel after removal of particulates. The apparatus 10 also comprises a solids discharge port provided at each of the vertices of the polygonal cross-section wherein, in use, when the vessel is rotated the particulates in the fluid entering the vessel 10 20 migrate to the vertices, from where they can be discharged through the discharge ports.

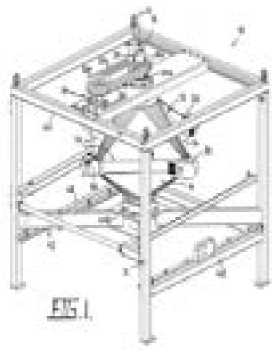


FIG. 1

(56) **Documents Cited :** US 2004/0262213 A1, GB 1412805 A, US 6234949 B1, US 173 580 A, DE 4402041 C1, US 2664905 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6557

(21) Application No : AP/P/2020/012572

(22) Filing Date : 25.01.2019

(24) (45) Date of Grant & Publication : 28/11/2022

(73) Applicant(s)
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), 164 83 Stockholm, Sweden

(30) Priority Data

(33) Country	(31) Number	(32) Date
GB	62/631,243	15.02.2018

(72) Inventors
MÄÄTTÄNEN Helka-Liina, Finland
FOLKE Mats, Sweden
FAXÉR Sebastian, Sweden

(84) Designated States:
TZ

(74) Representative
ROLAND INTELLECTUAL PROPERTY CONSULTANTS, Namibia

(51) International Classification : H04L 5/00 (2006.01) H04B 7/06 (2006.01)

(54) Title
EFFICIENT MAC CE INDICATION OF SPATIAL RELATION FOR SEMI-PERSISTENT SRS

(57) Abstract

Systems and methods for Semi-Persistent Sounding Reference Signal (SP SRS) resource activation or deactivation are disclosed. In some embodiments, a method of operation of a wireless device in a cellular communications network comprises receiving, from a network node, a Medium Access Control (MAC) Control Element (CE). The MAC CE comprises an indication of a SP SRS resource set to be activated or deactivated and information that indicates a spatial relation for the SP SRS resource set to be activated or deactivated. In this manner, a MAC CE for SP SRS resource set activation or deactivation is provided in a manner that gives spatial relation information in an efficient and flexible manner.

(56) Documents Cited : SAMSUNG, "New MAC CEs for VIVO, "MAC CEs format for be

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6558

(21) Application No : AP/P/2017/010168

(22) Filing Date : 02.02.2016

(24) (45) Date of Grant & Publication : 30/11/2022

(73) Applicant(s)
MEIRAGTX UK II LIMITED, 92 Britannia Walk, London N1 7NQ, United Kingdom

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	62/110,919	02.02.2015

(72) Inventors
BOYNE Alex R, United States of America
DANOS F Olivier, United States of America
VOLLES J Michael, United States of America
et al

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

(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : C12N 15/11 (2006.01); C12N 15/63 (2006.01); C12N 15/85 (2006.01)

(54) Title
REGULATION OF GENE EXPRESSION BY APTAMER-MEDIATED MODULATION OF ALTERNATIVE SPLICING

(57) Abstract

The invention provides a platform and methods of using the platform for the regulation of the expression of a target gene using exposure to an aptamer ligand (for example, a small molecule). The platform features a polynucleotide gene regulation cassette that is placed in the target gene and includes a synthetic riboswitch positioned in the context of a 5' intron–alternative exon–3' intron. The riboswitch comprises an effector region and a sensor region (e.g., an aptamer that binds a small molecule ligand) such that the alternative exon is spliced into the target gene mRNA when the ligand is not present thereby preventing expression of the target gene. When the ligand is present, the alternative exon is not spliced into the target gene mRNA thereby providing expression of the target gene.

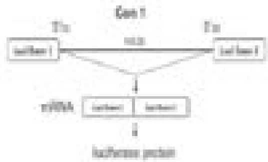


Fig. 1a

(56) Documents Cited : WEIGAND JULIA E et al. US 2013/291226 A1; KIM DONG-SUK et al. US 2010/221821 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6559

(21) **Application No :** AP/P/2017/010201

(22) **Filing Date :** 19.02.2016

(24) (45) **Date of Grant & Publication :** 30/11/2022

(73) **Applicant(s)**
UCL BUSINESS LTD, University College London, Gower Street, London England WC1E 6BT, United Kingdom

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
GB	1503008.3	23.02.2015

(72) **Inventors**
RIZZI Matteo, United Kingdom
ALI Robin, United Kingdom
SMITH Alexander, United Kingdom
et al

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

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

(51) **International Classification :** A61K 48/00 (2006.01)

(54) **Title**
GENE THERAPY TO IMPROVE VISION

(57) **Abstract**

The invention relates to the use of gene therapy vectors to improve vision by introducing into healthy rod photoreceptor cells of a patient suffering from cone photoreceptor dysfunction and/or degeneration a nucleic acid encoding a gene product that is light-sensitive and/or that modulates endogenous light-sensitive signalling in a photoreceptor cell, such that the range oflight intensities to which the rod photoreceptor responds is extended and/or the speed at which the rod photoreceptor responds to light is increased.

(56) **Documents Cited :** WO 2009/127705 A1; ELSA LHÉRITEAU et al.; WO 2013/124477 A1; KOJI M. NISHIGUCHI et al.; WO 2012/167109 A2

Patents Granted (Contd.)

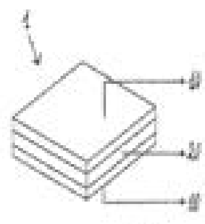
FORM 25	(12) PATENT	(19) AP
(11) Patent No : AP 6560 (21) Application No : AP/P/2019/011419 (22) Filing Date : 07.08.2017 (24) (45) Date of Grant & Publication : 30/11/2022		(73) Applicant(s) TERMO-IND S.A., Corso San Gottardo 72, 6830 Chiasso, Switzerland
(30) Priority Data (33) Country (31) Number (32) Date EP PCT/EP2016/0690: 10.08.2016		(72) Inventors MAGAGNIN Luca, Italy IEFFA Simona, Italy ACCOGLI Alessandra, Italy et al
(84) Designated States: BW GH GM KE LR LS MW MZ NA RW SD SL ST SZ TZ UG ZM ZW		(74) Representative Cronjé & Co., Namibia

(51) International Classification : H01L 35/22 (2006.01) H01L 35/34 (2006.01)

(54) Title
ACTIVE MATERIAL AND ELECTRIC POWER GENERATOR CONTAINING IT

(57) Abstract

The invention relates to an active material comprising at least one oxygen containing compound selected from the group consisting of MgO, ZnO, $ZrOCl_2$, ZrO_2, SiO_2, Bi_2O_3, Al_2O_3 and TiO_2, at least one thickener additive selected from the group consisting of agar agar, xanthan gum, methylcellulose, and arabic gum, and at least one plasticizer additive, wherein the particle size of the at least one oxygenbased compound has an average diameter in the range from 10 nm to 40 μm. The invention concerns also an electric power generator (EPG) comprising at least a first electrode (11) and a second electrode (12), wherein the electric power generator comprises the active material between said electrodes (11,12).



(56) Documents Cited : EP 2902518 A2

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6561

(21) **Application No :** AP/P/2019/011451

(22) **Filing Date :** 25.08.2017

(24) (45) **Date of Grant & Publication :** 30/11/2022

(73) **Applicant(s)**
JAPAN TOBACCO INC., 2-1, Toranomon 2-Chome, Minato-ku, Tokyo 1058422, Japan

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
JP	2016-166176	26.08.2016

(72) **Inventors**
TAKAKURA Yoshimitsu, Japan
SHINJO Akira, Japan
UDAGAWA Hisashi, Japan
et al

(84) **Designated States:**
MW TZ ZM ZW

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

(51) **International Classification :** A01H 5/00 (2006.01) A01H 1/00 (2006.01) A24B 1/00 (2015.01) C12N 15/09 (2006.01)

(54) **Title**
VIRUS-RESISTANT TOBACCO AND BREEDING METHOD THEREFOR

(57) **Abstract**

In order to provide tobacco resistant to a virus, tobacco in accordance with the present invention is arranged such that: (i) a translation initiation factor eIF(iso)4E protein which is non-functional with respect to a virus is produced or (ii) expression of a translation initiation factor eIF(iso)4E gene is suppressed; and (a) a translation initiation factor eIF4E2 protein, which is non-functional with respect to a virus, is produced or (b) expression of a translation initiation factor eIF4E2 gene is suppressed.

(56) **Documents Cited :** WO 2015/199242 A1; JULIO E et al.; JULIO E. et al.; JULIO E. et al.

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6562

(21) Application No : AP/P/2019/012026

(22) Filing Date : 27.04.2018

(24) (45) Date of Grant & Publication : 30/11/2022

(73) Applicant(s)
THE UNIVERSITY OF TOKYO, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 1138654, Japan

(30) Priority Data

(33) Country	(31) Number	(32) Date
JP	2017-088700	27.04.2017

(72) Inventors
NAGAYAMA Tomonori, Japan
ZHAO Boyu, Japan
WANG Haoqi, Japan

(84) Designated States:
GH KE RW UG

(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

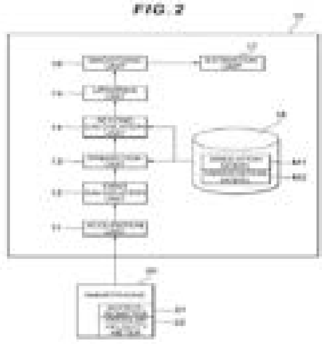
(51) International Classification : G01C 7/04 (2006.01) G01B 21/00 (2006.01)

(54) Title
ROAD SURFACE PROFILE ESTIMATING DEVICE, ROAD SURFACE PROFILE ESTIMATING SYSTEM, ROAD SURFACE PROFILE ESTIMATING METHOD, AND ROAD SURFACE PROFILE ESTIMATING PROGRAM

(57) Abstract

The present invention provides a road surface profile estimation device and so on with which any road surface profile, including that of a general road, can be estimated with a high degree of precision using a general-purpose vehicle. The road surface profile estimation device includes an acquisition unit that acquires a vertical acceleration and angular velocity about a pitch axis, a first calculation unit that calculates a vertical displacement and an angular displacement about the pitch axis, a prediction unit that predicts the time evolution of state variables of the vehicle on the basis of a simulation model, a second calculation unit that calculates the acceleration, the angular velocity, the displacement, and the angular displacement from the state variables on the basis of an observation model, an updating unit that updates the state variables by data-assimilating the acceleration and angular velocity acquired by the acquisition unit and the displacement and angular displacement calculated by the first calculation unit with the acceleration, angular velocity, displacement, and angular displacement calculated by the second calculation unit, and an estimation unit that estimates the road surface profile on the basis of the state variables.

FIG. 2



(56) Documents Cited : WO 1998/024077 A1, US 2012/0197588 A1, BOYU ZHAO et al., JP 2014-077257 A

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) **Patent No :** AP 6563

(21) **Application No :** AP/P/2020/012354

(22) **Filing Date :** 13.10.2018

(24) (45) **Date of Grant & Publication :** 30/11/2022

(73) **Applicant(s)**
UPL LTD, Agrochemical Plant, Durgachak, Haldia – 721 602, Midnapore Dist. West Bengal, India

(30) **Priority Data**

(33) Country	(31) Number	(32) Date
IN	201731036884	17.10.2017

(72) **Inventors**
GADE Vishwanath Bhanudas, India
SHIRSAT Rajan Ramakant, India
SHROFF Jaidev Rajnikant, India
et al

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

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

(51) **International Classification :** A01N 59/00 (2006.01) A01N 47/18 (2006.01) A01N 47/14 (2006.01) A01N 25/08 (2006.01)

(54) **Title**
NOVEL AGROCHEMICAL COMBINATIONS

(57) **Abstract**

A combination comprising: at least one multisite contact fungicide and at least one plant health promoting agent, and a composition comprising the same.

(56) **Documents Cited :** WO1987/004048 A1, US 3127311 A, US2012/0015047 A1, CN 106386137 A, WO1988/006841 A1

Patents Granted (Contd.)

FORM 25	(12) PATENT	(19) AP

(11) Patent No : AP 6564

(21) Application No : AP/P/2020/012464

(22) Filing Date : 04.12.2018

(24) (45) Date of Grant & Publication : 30/11/2022

(73) Applicant(s)
WEIR MINERALS AUSTRALIA LIMITED, 1 -3 Marden Street, Artarmon, New South Wales 2064, Australia

(30) Priority Data

(33) Country	(31) Number	(32) Date
AU	2017904866	04.12.2017

(72) Inventors
TANG Xinhu, Australia

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

(74) Representative
ADAMS AND ADAMS MOZAMBIQUE, Mozambique

(51) International Classification : C21D 5/04 (2006.01); C22C 37/06 (2006.01); C22C 33/08 (2006.01); C22C 29/02 (2006.01)

(54) Title
TOUGH AND CORROSION RESISTANT WHITE CAST IRONS

(57) Abstract

An end-use casting of a high chromium white iron, i.e. a casting that has been heat-treated, includes a ferrous matrix and at least two different chromium carbides dispersed in the matrix, with at least one of the chromium carbides including a transformation product of an as-cast chromium carbide.

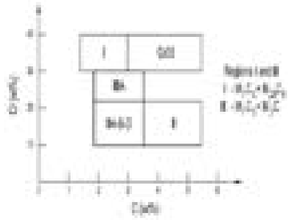


Figure 1

(56) Documents Cited : PEARCE , J.T.H et al. CA 984185 A; KARANTZALIS, E et al.; Wang J. et al.

Classification Index of Granted Patents

IPC Symbol(s)	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name
H05K 5/04 (2006.01) H04M 1/02 (2006.01) B29C 65/48 (2006.01)	AP/P/2019/012040	AP 6541	PCT/CN2017/108265	SHANGHAI TRANSSION INFORMATION TECHNOLOGY LIMITED
A01N 33/06 (2006.01) A01N 41/06 (2006.01) A61K 31/167 (2006.01)	AP/P/2020/012286	AP 6522	PCT/US2018/048300	ENANTA PHARMACEUTICALS, INC.
E21B 21/12 (2006.01) E21B 4/14 (2006.01) E21B 17/042 (2006.01) E21B 17/18 (2006.01) E21B 21/10 (2006.01)	AP/P/2016/009143	AP 6548	PCT/EP2014/070059	MINCON INTERNATIONAL LTD.
G01N 29/04 (2006.01) G01N 29/22 (2006.01) G01N 29/26 (2006.01) G01N 29/28 (2006.01) G01N 29/30 (2006.01)	AP/P/2018/011142	AP 6519	PCT/EP2017/063209	VALLOUREC DEUTSCHLAND GMBH
C01D 15/00 (2006.01) B01D 15/08 (2006.01) B01D 61/14 (2006.01) B01J 20/282 (2006.01)	AP/P/2020/012503	AP 6554	PCT/CA2018/000240	STANDARD LITHIUM LTD.
H02M 7/42 (2006.01) H02M 7/515 (2007.01) H02M 7/527 (2006.01) H02M 1/088 (2006.01) H02M 1/092 (2006.01)	AP/P/2021/012937	AP 6546	PCT/US2019/030253	LT (USA) CORPORATION
A61K 47/50 (2017.01) C07K 1/10 (2006.01) C07K 19/00 (2006.01)	AP/P/2020/012482	AP 6515	PCT/US2018/063070	SEATTLE GENETICS, INC.
B29D 11/00 (2006.01) G02B 1/04 (2006.01) G02B 6/255 (2006.01)	AP/P/2019/012078	AP 6544		CHANNELL COMMERCIAL CORPORATION
G01F 1/66 (2006.01)	AP/P/2019/011767	AP 6537	PCT/AU2018/050028	RUBICON RESEARCH PTY LTD
C12N 15/12 (2006.01) C12N 15/67 (2006.01) C12N 15/81 (2006.01) C07K 14/44 (2006.01) A61K 39/002 (2006.01) G01N 33/569 (2006.01) A61P 33/12 (2006.01)	AP/P/2019/011766	AP 6521	PCT/BR2018/000001	FUNDAÇAO OSWALDO CRUZ
H02J1/0H02J13(2015.01) G01R19G01R19(2015.01) G01R19G05F5/((2015.01) H02B7/((2015.01)	AP/P/2018/010826	AP 6536		PECO POWER (PROPRIETARY LIMITED
E02F 9/28 (2006.01)	AP/P/2017/010395	AP 6531	PCT/SE2016/050577	COMBI WEAR PARTS AB
H04L 5/00 (2006.01) H04W 28/20 (2009.01) H04W 4/00 (2006.01) H04W 72/04 (2009.01)	AP/P/2019/011440	AP 6533	PCT/EP2017/075731	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
A01N 59/00 (2006.01) A01N 47/14 (2006.01) A01N 47/18 (2006.01) A01N 25/08 (2006.01)	AP/P/2020/012354	AP 6563	PCT/IB2018/057950	UPL LTD
A61K 48/00 (2006.01)	AP/P/2017/010201	AP 6559	PCT/GB2016/050419	UCL BUSINESS LTD
H04M 1/02 (2006.01)	AP/P/2019/012041	AP 6542	PCT/CN2017/089649	SHANGHAI TRANSSION INFORMATION TECHNOLOGY LIMITED

Classification Index of Granted Patents (Contd.)

IPC Symbol(s)	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name
C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) A61P 35/00 (2006.01)	AP/P/2020/012702	AP 6529	PCT/IB2019/053314	PFIZER INC.
H04W 74/08 (2009.01)	AP/P/2020/012261	AP 6538	PCT/IB2018/056747	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
C07K 16/28 (2006.01) C07K 16/18 (2006.01)	AP/P/2018/010731	AP 6517	PCT/US2016/062394	MERCK SHARP & DOHME LLC
C07D 403/04 (2006.01) A61P 35/00 (2006.01) A61K 31/513 (2006.01)	AP/P/2020/012624	AP 6528	PCT/US2019/019074	ELI LILLY AND COMPANY
A61K 39/09 (2006.01) C07K 16/12 (2006.01) A61K 47/48 (2006.01)	AP/P/2017/010392	AP 6514	PCT/IN2016/000157	BIOLOGICAL E LIMITED
G06T 7/00 (2017.01)	AP/P/2020/012519	AP 6523	PCT/FI2018/050896	UPONOR OYJ
G01C 7/04 (2006.01) G01B 21/00 (2006.01)	AP/P/2019/012026	AP 6562	PCT/JP2018/017182	THE UNIVERSITY OF TOKYO
A01H 5/00 (2006.01) A24B 1/00 (2015.01) A01H 1/00 (2006.01) C12N 15/09 (2006.01)	AP/P/2019/011451	AP 6561	PCT/JP2017/030492	JAPAN TOBACCO INC.
H04N 19/503 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/46 (2014.01) H04N 19/107 (2014.01) H04N 19/117 (2014.01) H04N 19/82 (2014.01) H04N 19/85 (2014.01) H04N 19/147 (2014.01)	AP/P/2020/012555	AP 6524	PCT/US2019/017891	DOLBY LABORATORIES LICENSING CORPORATION
F01K 25/10 (2006.01) H02K 7/18 (2006.01) H02K 35/02 (2006.01)	AP/P/2020/012599	AP 6525	PCT/JP2019/004410	KOBAYASHI Takaitsu
E04H 12/02 (2006.01) B29C 70/00 (2006.01) E01F 9/60 (2016.01) B29C 44/12 (2006.01) E04C 3/36 (2006.01)	AP/P/2018/011162	AP 6526	PCT/GB2017/051265	ECOPOLE AS
F03B 3/04 (2006.01) F03B 13/08 (2006.01) F03B 13/10 (2006.01)	AP/P/2016/008980	AP 6547	PCT/AU2014/000779	KOURIS Paul Steven
B02C 2/04 (2006.01) B02C 2/06 (2006.01)	AP/P/2018/010578	AP 6532	PCT/IB2016/054966	METSO MINERALS INDUSTRIES, INC.
C21D 5/04 (2006.01) C22C 33/08 (2006.01) C22C 37/06 (2006.01) C22C 29/02 (2006.01)	AP/P/2020/012464	AP 6564	PCT/AU2018/051297	WEIR MINERALS AUSTRALIA LIMITED
A61K 35/12 (2015.01) A61K 39/12 (2006.01) C07K 14/005 (2006.01)	AP/P/2018/011085	AP 6520	PCT/EP2017/057962	JANSSEN VACCINES & PREVENTION B.V.
C12N 15/11 (2006.01) C12N 15/85 (2006.01) C12N 15/63 (2006.01)	AP/P/2017/010168	AP 6558	PCT/US2016/016234	MEIRAGTX UK II LIMITED
C04B 28/04 (2006.01) E04C 2/04 (2006.01)	AP/P/2019/011360	AP 6527	PCT/IN2018/050393	HIL LIMITED
B01L 7/00 (2006.01)	AP/P/2018/010521	AP 6516	PCT/US2016/043761	CEPHEID

Classification Index of Granted Patents (Contd.)

IPC Symbol(s)	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name
B01D 53/14 (2006.01)	AP/P/2020/012881	AP 6543	PCT/EP2019/069125	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.
G06K 9/00 (2006.01) G06K 9/62 (2006.01) G06K 3/04 (2006.01) G06K 3/08 (2006.01)	AP/P/2022/013942	AP 6539		JIANGSU INSTITUTE OF PARASITIC DISEASES
A01N 63/04 (2006.01) A01P 13/00 (2006.01)	AP/P/2016/009414	AP 6540	PCT/IN2015/000044	LAXMINARAYANA Praharaju
A61K 31/395 (2006.01) C07D 487/04 (2006.01)	AP/P/2019/011878	AP 6549	PCT/US2018/023270	THE BROAD INSTITUTE, INC.
A61P 25/28 (2006.01) C07K 16/18 (2006.01) A61K 39/00 (2006.01)	AP/P/2017/010141	AP 6552	PCT/US2016/018419	ELI LILLY AND COMPANY
A01H 5/00 (2006.01) A01H 1/00 (2006.01) A01H 1/06 (2006.01) C12N 15/01 (2006.01) C12N 15/113 (2010.01)	AP/P/2016/009666	AP 6550	PCT/JP2015/068713	JAPAN TOBACCO INC.
H04W 52/28 (2009.01) H04W 52/14 (2009.01) H04W 52/24 (2009.01)	AP/P/2020/012714	AP 6530	PCT/IB2019/052814	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
C07D 267/10 (2006.01) C07D 413/14 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) A61K 31/553 (2006.01) A61P 11/00 (2006.01)	AP/P/2016/009322	AP 6513	PCT/GB2015/050155	ASTRAZENECA AB
G08G 1/00 (2006.01) B60Q 1/00 (2006.01)	AP/P/2017/010166	AP 6535	PCT/IB2016/050155	AGARWAL Yogesh
E21B 21/06 (2006.01) B04B 1/16 (2006.01) B04B 7/08 (2006.01)	AP/P/2020/012500	AP 6556	PCT/AU2019/050041	SPINEX PTY LTD
A01N 25/12 (2006.01) A01N 33/12 (2006.01) A01N 37/46 (2006.01) A01N 43/16 (2006.01) A01N 59/06 (2006.01) A01N 63/02 (2006.01)	AP/P/2019/011952	AP 6553	PCT/US2018/013447	TLC PRODUCTS
H04W 74/08 (2009.01) H04W 16/28 (2009.01)	AP/P/2020/012416	AP 6555	PCT/JP2018/042277	SHARP KABUSHIKI KAISHA
C12Q 1/68 (2006.01) C12P 19/34 (2006.01)	AP/P/2017/009907	AP 6551	PCT/US2015/056491	ENVIROLOGIX INC.
H04L 5/00 (2006.01) H04B 7/06 (2006.01)	AP/P/2020/012572	AP 6557	PCT/IB2019/050639	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
B02C 2/04 (2006.01) B02C 23/04 (2006.01)	AP/P/2016/009289	AP 6534	PCT/US2014/066396	METSO MINERALS INDUSTRIES, INC.
C09K 5/04 (2006.01)	AP/P/2020/012419	AP 6545	PCT/EP2018/082583	RPL HOLDINGS LIMITED
H01L 35/22 (2006.01) H01L 35/34 (2006.01)	AP/P/2019/011419	AP 6560	PCT/EP2017/069925	TERMO-IND S.A.

Classification Index of Granted Patents (Contd.)

IPC Symbol(s)	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name
C07D 405/14 (2006.01) A61K 31/497 (2006.01) C07D 403/14 (2006.01) C07D 241/18 (2006.01) C07D 241/20 (2006.01) C07D 487/08 (2006.01) C07D 487/10 (2006.01) C07D 491/10 (2006.01) C07D 519/00 (2006.01) A61P 35/00 (2006.01)	AP/P/2020/012596	AP 6518	PCT/US2019/017721	GILEAD SCIENCES, INC.

Patentees' Name Index of Granted Patents

Patentee's Name	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	IPC Symbol(s)
BIOLOGICAL E LIMITED	AP/P/2017/010392	AP 6514	PCT/IN2016/000157	A61K 39/09 (2006.01) C07K 16/12 (2006.01) A61K 47/48 (2006.01)
UPONOR OYJ	AP/P/2020/012519	AP 6523	PCT/FI2018/050896	G06T 7/00 (2017.01)
THE UNIVERSITY OF TOKYO	AP/P/2019/012026	AP 6562	PCT/JP2018/017182	G01C 7/04 (2006.01) G01B 21/00 (2006.01)
CHANNELL COMMERCIAL CORPORATION	AP/P/2019/012078	AP 6544		B29D 11/00 (2006.01) G02B 1/04 (2006.01) G02B 6/255 (2006.01)
RUBICON RESEARCH PTY LTD	AP/P/2019/011767	AP 6537	PCT/AU2018/050028	G01F 1/66 (2006.01)
FUNDAÇAO OSWALDO CRUZ	AP/P/2019/011766	AP 6521	PCT/BR2018/000001	C12N 15/12 (2006.01) C12N 15/67 (2006.01) C12N 15/81 (2006.01) C07K 14/44 (2006.01) A61K 39/002 (2006.01) G01N 33/569 (2006.01) A61P 33/12 (2006.01)
PECO POWER (PROPRIETARY LIMITED	AP/P/2018/010826	AP 6536		H02J1/0H02J13(2015.01) G01R19G01R15(2015.01) G01R19G05F5/(2015.01) H02B7/I (2015.01)
COMBI WEAR PARTS AB	AP/P/2017/010395	AP 6531	PCT/SE2016/050577	E02F 9/28 (2006.01)
SHANGHAI TRANSSION INFORMATION TECHNOLOGY LIMITED	AP/P/2019/012040	AP 6541	PCT/CN2017/108265	H05K 5/04 (2006.01) H04M 1/02 (2006.01) B29C 65/48 (2006.01)
ENANTA PHARMACEUTICALS, INC.	AP/P/2020/012286	AP 6522	PCT/US2018/048300	A01N 33/06 (2006.01) A01N 41/06 (2006.01) A61K 31/167 (2006.01)
MINCON INTERNATIONAL LTD.	AP/P/2016/009143	AP 6548	PCT/EP2014/070059	E21B 21/12 (2006.01) E21B 4/14 (2006.01) E21B 17/042 (2006.01) E21B 17/18 (2006.01) E21B 21/10 (2006.01)
UPL LTD	AP/P/2020/012354	AP 6563	PCT/IB2018/057950	A01N 59/00 (2006.01) A01N 47/14 (2006.01) A01N 47/18 (2006.01) A01N 25/08 (2006.01)
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	AP/P/2019/011440	AP 6533	PCT/EP2017/075731	H04L 5/00 (2006.01) H04W 28/20 (2009.01) H04W 4/00 (2006.01) H04W 72/04 (2009.01)
UCL BUSINESS LTD	AP/P/2017/010201	AP 6559	PCT/GB2016/050419	A61K 48/00 (2006.01)
SHANGHAI TRANSSION INFORMATION TECHNOLOGY LIMITED	AP/P/2019/012041	AP 6542	PCT/CN2017/089649	H04M 1/02 (2006.01)
CEPHEID	AP/P/2018/010521	AP 6516	PCT/US2016/043761	B01L 7/00 (2006.01)
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	AP/P/2020/012881	AP 6543	PCT/EP2019/069125	B01D 53/14 (2006.01)
SEATTLE GENETICS, INC.	AP/P/2020/012482	AP 6515	PCT/US2018/063070	A61K 47/50 (2017.01) C07K 1/10 (2006.01) C07K 19/00 (2006.01)

Patentees' Name Index of Granted Patents (Contd.)

Patentee's Name	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	IPC Symbol(s)
LT (USA) CORPORATION	AP/P/2021/012937	AP 6546	PCT/US2019/030253	H02M 7/42 (2006.01) H02M 7/515 (2007.01) H02M 7/527 (2006.01) H02M 1/088 (2006.01) H02M 1/092 (2006.01)
DOLBY LABORATORIES LICENSING CORPORATION	AP/P/2020/012555	AP 6524	PCT/US2019/017891	H04N 19/503 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/46 (2014.01) H04N 19/107 (2014.01) H04N 19/117 (2014.01) H04N 19/82 (2014.01) H04N 19/85 (2014.01) H04N 19/147 (2014.01)
JAPAN TOBACCO INC.	AP/P/2019/011451	AP 6561	PCT/JP2017/030492	A01H 5/00 (2006.01) A24B 1/00 (2015.01) A01H 1/00 (2006.01) C12N 15/09 (2006.01)
KOBAYASHI Takaitsu	AP/P/2020/012599	AP 6525	PCT/JP2019/004410	F01K 25/10 (2006.01) H02K 7/18 (2006.01) H02K 35/02 (2006.01)
ECOPOLE AS	AP/P/2018/011162	AP 6526	PCT/GB2017/051265	E04H 12/02 (2006.01) B29C 70/00 (2006.01) E01F 9/60 (2016.01) B29C 44/12 (2006.01) E04C 3/36 (2006.01)
PFIZER INC.	AP/P/2020/012702	AP 6529	PCT/IB2019/053314	C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) A61P 35/00 (2006.01)
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	AP/P/2020/012261	AP 6538	PCT/IB2018/056747	H04W 74/08 (2009.01)
MERCK SHARP & DOHME LLC	AP/P/2018/010731	AP 6517	PCT/US2016/062394	C07K 16/28 (2006.01) C07K 16/18 (2006.01)
ELI LILLY AND COMPANY	AP/P/2020/012624	AP 6528	PCT/US2019/019074	C07D 403/04 (2006.01) A61P 35/00 (2006.01) A61K 31/513 (2006.01)
KOURIS Paul Steven	AP/P/2016/008980	AP 6547	PCT/AU2014/000779	F03B 3/04 (2006.01) F03B 13/08 (2006.01) F03B 13/10 (2006.01)
METSO MINERALS INDUSTRIES, INC.	AP/P/2018/010578	AP 6532	PCT/IB2016/054966	B02C 2/04 (2006.01) B02C 2/06 (2006.01)
WEIR MINERALS AUSTRALIA LIMITED	AP/P/2020/012464	AP 6564	PCT/AU2018/051297	C21D 5/04 (2006.01) C22C 33/08 (2006.01) C22C 37/06 (2006.01) C22C 29/02 (2006.01)
JANSSEN VACCINES & PREVENTION B.V.	AP/P/2018/011085	AP 6520	PCT/EP2017/057962	A61K 35/12 (2015.01) A61K 39/12 (2006.01) C07K 14/005 (2006.01)
MEIRAGTX UK II LIMITED	AP/P/2017/010168	AP 6558	PCT/US2016/016234	C12N 15/11 (2006.01) C12N 15/85 (2006.01) C12N 15/63 (2006.01)
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	AP/P/2020/012714	AP 6530	PCT/IB2019/052814	H04W 52/28 (2009.01) H04W 52/14 (2009.01) H04W 52/24 (2009.01)
ASTRAZENECA AB	AP/P/2016/009322	AP 6513	PCT/GB2015/050155	C07D 267/10 (2006.01) C07D 413/14 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) A61K 31/553 (2006.01) A61P 11/00 (2006.01)

Patentees' Name Index of Granted Patents (Contd.)

Patentee's Name	ARIPO Application No.	ARIPO Patent No.	PCT Application No.	IPC Symbol(s)
AGARWAL Yogesh	AP/P/2017/010166	AP 6535	PCT/IB2016/050155	G08G 1/00 (2006.01) B60Q 1/00 (2006.01)
SPINEX PTY LTD	AP/P/2020/012500	AP 6556	PCT/AU2019/050041	E21B 21/06 (2006.01) B04B 1/16 (2006.01) B04B 7/08 (2006.01)
TLC PRODUCTS	AP/P/2019/011952	AP 6553	PCT/US2018/013447	A01N 25/12 (2006.01) A01N 33/12 (2006.01) A01N 37/46 (2006.01) A01N 43/16 (2006.01) A01N 59/06 (2006.01) A01N 63/02 (2006.01)
JIANGSU INSTITUTE OF PARASITIC DISEASES	AP/P/2022/013942	AP 6539		G06K 9/00 (2006.01) G06K 9/62 (2006.01) G06K 3/04 (2006.01) G06K 3/08 (2006.01)
LAXMINARAYANA Praharaju	AP/P/2016/009414	AP 6540	PCT/IN2015/000044	A01N 63/04 (2006.01) A01P 13/00 (2006.01)
THE BROAD INSTITUTE, INC.	AP/P/2019/011878	AP 6549	PCT/US2018/023270	A61K 31/395 (2006.01) C07D 487/04 (2006.01)
ELI LILLY AND COMPANY	AP/P/2017/010141	AP 6552	PCT/US2016/018419	A61P 25/28 (2006.01) C07K 16/18 (2006.01) A61K 39/00 (2006.01)
JAPAN TOBACCO INC.	AP/P/2016/009666	AP 6550	PCT/JP2015/068713	A01H 5/00 (2006.01) A01H 1/00 (2006.01) A01H 1/06 (2006.01) C12N 15/01 (2006.01) C12N 15/113 (2010.01)
HIL LIMITED	AP/P/2019/011360	AP 6527	PCT/IN2018/050393	C04B 28/04 (2006.01) E04C 2/04 (2006.01)
VALLOUREC DEUTSCHLAND GMBH	AP/P/2018/011142	AP 6519	PCT/EP2017/063209	G01N 29/04 (2006.01) G01N 29/22 (2006.01) G01N 29/26 (2006.01) G01N 29/28 (2006.01) G01N 29/30 (2006.01)
STANDARD LITHIUM LTD.	AP/P/2020/012503	AP 6554	PCT/CA2018/000240	C01D 15/00 (2006.01) B01D 15/08 (2006.01) B01D 61/14 (2006.01) B01J 20/282 (2006.01)
ENVIROLOGIX INC.	AP/P/2017/009907	AP 6551	PCT/US2015/056491	C12Q 1/68 (2006.01) C12P 19/34 (2006.01)
SHARP KABUSHIKI KAISHA	AP/P/2020/012416	AP 6555	PCT/JP2018/042277	H04W 74/08 (2009.01) H04W 16/28 (2009.01)
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	AP/P/2020/012572	AP 6557	PCT/IB2019/050639	H04L 5/00 (2006.01) H04B 7/06 (2006.01)
TERMO-IND S.A.	AP/P/2019/011419	AP 6560	PCT/EP2017/069925	H01L 35/22 (2006.01) H01L 35/34 (2006.01)
RPL HOLDINGS LIMITED	AP/P/2020/012419	AP 6545	PCT/EP2018/082583	C09K 5/04 (2006.01)
METSO MINERALS INDUSTRIES, INC.	AP/P/2016/009289	AP 6534	PCT/US2014/066396	B02C 2/04 (2006.01) B02C 23/04 (2006.01)
GILEAD SCIENCES, INC.	AP/P/2020/012596	AP 6518	PCT/US2019/017721	C07D 405/14 (2006.01) A61K 31/497 (2006.01) C07D 403/14 (2006.01) C07D 241/18 (2006.01) C07D 241/20 (2006.01) C07D 487/08 (2006.01) C07D 487/10 (2006.01) C07D 491/107 (2006.01) C07D 519/00 (2006.01) A61P 35/00 (2006.01)

ARIPO Application Number Index of Granted Patents

ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name	IPC Symbol(s)
AP/P/2019/011360	AP 6527	PCT/IN2018/050393	HIL LIMITED	C04B 28/04 (2006.01) E04C 2/04 (2006.01)
AP/P/2019/012040	AP 6541	PCT/CN2017/108265	SHANGHAI TRANSSION INFORMATION TECHNOLOGY LIMITED	H05K 5/04 (2006.01) H04M 1/02 (2006.01) B29C 65/48 (2006.01)
AP/P/2020/012286	AP 6522	PCT/US2018/048300	ENANTA PHARMACEUTICALS, INC.	A01N 33/06 (2006.01) A01N 41/06 (2006.01) A61K 31/167 (2006.01)
AP/P/2016/009143	AP 6548	PCT/EP2014/070059	MINCON INTERNATIONAL LTD.	E21B 21/12 (2006.01) E21B 4/14 (2006.01) E21B 17/042 (2006.01) E21B 17/18 (2006.01) E21B 21/10 (2006.01)
AP/P/2016/008980	AP 6547	PCT/AU2014/000779	KOURIS Paul Steven	F03B 3/04 (2006.01) F03B 13/08 (2006.01) F03B 13/10 (2006.01)
AP/P/2020/012464	AP 6564	PCT/AU2018/051297	WEIR MINERALS AUSTRALIA LIMITED	C21D 5/04 (2006.01) C22C 33/08 (2006.01) C22C 37/06 (2006.01) C22C 29/02 (2006.01)
AP/P/2018/010578	AP 6532	PCT/IB2016/054966	METSO MINERALS INDUSTRIES, INC.	B02C 2/04 (2006.01) B02C 2/06 (2006.01)
AP/P/2018/011085	AP 6520	PCT/EP2017/057962	JANSSEN VACCINES & PREVENTION B.V.	A61K 35/12 (2015.01) A61K 39/12 (2006.01) C07K 14/005 (2006.01)
AP/P/2017/010168	AP 6558	PCT/US2016/016234	MEIRAGTX UK II LIMITED	C12N 15/11 (2006.01) C12N 15/85 (2006.01) C12N 15/63 (2006.01)
AP/P/2019/011440	AP 6533	PCT/EP2017/075731	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	H04L 5/00 (2006.01) H04W 28/20 (2009.01) H04W 4/00 (2006.01) H04W 72/04 (2009.01)
AP/P/2020/012354	AP 6563	PCT/IB2018/057950	UPL LTD	A01N 59/00 (2006.01) A01N 47/14 (2006.01) A01N 47/18 (2006.01) A01N 25/08 (2006.01)
AP/P/2017/010201	AP 6559	PCT/GB2016/050419	UCL BUSINESS LTD	A61K 48/00 (2006.01)
AP/P/2019/012041	AP 6542	PCT/CN2017/089649	SHANGHAI TRANSSION INFORMATION TECHNOLOGY LIMITED	H04M 1/02 (2006.01)
AP/P/2017/010392	AP 6514	PCT/IN2016/000157	BIOLOGICAL E LIMITED	A61K 39/09 (2006.01) C07K 16/12 (2006.01) A61K 47/48 (2006.01)
AP/P/2020/012519	AP 6523	PCT/FI2018/050896	UPONOR OYJ	G06T 7/00 (2017.01)
AP/P/2019/012026	AP 6562	PCT/JP2018/017182	THE UNIVERSITY OF TOKYO	G01C 7/04 (2006.01) G01B 21/00 (2006.01)
AP/P/2019/012078	AP 6544		CHANNELL COMMERCIAL CORPORATION	B29D 11/00 (2006.01) G02B 1/04 (2006.01) G02B 6/255 (2006.01)
AP/P/2019/011766	AP 6521	PCT/BR2018/000001	FUNDAÇAO OSWALDO CRUZ	C12N 15/12 (2006.01) C12N 15/67 (2006.01) C12N 15/81 (2006.01) C07K 14/44 (2006.01) A61K 39/002 (2006.01) G01N 33/569 (2006.01) A61P 33/12 (2006.01)
AP/P/2018/010826	AP 6536		PECO POWER (PROPRIETARY LIMITED	H02J1/0H02J13(2015.01) G01R19G01R15(2015.01) G01R19G05F5/(2015.01) H02B7/l (2015.01)

ARIPO Application Number Index of Granted Patents (Contd.)

ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name	IPC Symbol(s)
AP/P/2017/010395	AP 6531	PCT/SE2016/050577	COMBI WEAR PARTS AB	E02F 9/28 (2006.01)
AP/P/2019/011767	AP 6537	PCT/AU2018/050028	RUBICON RESEARCH PTY LTD	G01F 1/66 (2006.01)
AP/P/2019/011451	AP 6561	PCT/JP2017/030492	JAPAN TOBACCO INC.	A01H 5/00 (2006.01) A24B 1/00 (2015.01) A01H 1/00 (2006.01) C12N 15/09 (2006.01)
AP/P/2020/012555	AP 6524	PCT/US2019/017891	DOLBY LABORATORIES LICENSING CORPORATION	H04N 19/503 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/46 (2014.01) H04N 19/107 (2014.01) H04N 19/117 (2014.01) H04N 19/82 (2014.01) H04N 19/85 (2014.01) H04N 19/147 (2014.01)
AP/P/2020/012599	AP 6525	PCT/JP2019/004410	KOBAYASHI Takaitsu	F01K 25/10 (2006.01) H02K 7/18 (2006.01) H02K 35/02 (2006.01)
AP/P/2018/011162	AP 6526	PCT/GB2017/051265	ECOPOLE AS	E04H 12/02 (2006.01) B29C 70/00 (2006.01) E01F 9/60 (2016.01) B29C 44/12 (2006.01) E04C 3/36 (2006.01)
AP/P/2022/013942	AP 6539		JIANGSU INSTITUTE OF PARASITIC DISEASES	G06K 9/00 (2006.01) G06K 9/62 (2006.01) G06K 3/04 (2006.01) G06K 3/08 (2006.01)
AP/P/2016/009414	AP 6540	PCT/IN2015/000044	LAXMINARAYANA Praharaju	A01N 63/04 (2006.01) A01P 13/00 (2006.01)
AP/P/2019/011878	AP 6549	PCT/US2018/023270	THE BROAD INSTITUTE, INC.	A61K 31/395 (2006.01) C07D 487/04 (2006.01)
AP/P/2017/010141	AP 6552	PCT/US2016/018419	ELI LILLY AND COMPANY	A61P 25/28 (2006.01) C07K 16/18 (2006.01) A61K 39/00 (2006.01)
AP/P/2016/009666	AP 6550	PCT/JP2015/068713	JAPAN TOBACCO INC.	A01H 5/00 (2006.01) A01H 1/00 (2006.01) A01H 1/06 (2006.01) C12N 15/01 (2006.01) C12N 15/113 (2010.01)
AP/P/2018/010521	AP 6516	PCT/US2016/043761	CEPHEID	B01L 7/00 (2006.01)
AP/P/2020/012881	AP 6543	PCT/EP2019/069125	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	B01D 53/14 (2006.01)
AP/P/2018/011142	AP 6519	PCT/EP2017/063209	VALLOUREC DEUTSCHLAND GMBH	G01N 29/04 (2006.01) G01N 29/22 (2006.01) G01N 29/26 (2006.01) G01N 29/28 (2006.01) G01N 29/30 (2006.01)
AP/P/2020/012503	AP 6554	PCT/CA2018/000240	STANDARD LITHIUM LTD.	C01D 15/00 (2006.01) B01D 15/08 (2006.01) B01D 61/14 (2006.01) B01J 20/282 (2006.01)
AP/P/2021/012937	AP 6546	PCT/US2019/030253	LT (USA) CORPORATION	H02M 7/42 (2006.01) H02M 7/515 (2007.01) H02M 7/527 (2006.01) H02M 1/088 (2006.01) H02M 1/092 (2006.01)
AP/P/2020/012482	AP 6515	PCT/US2018/063070	SEATTLE GENETICS, INC.	A61K 47/50 (2017.01) C07K 1/10 (2006.01) C07K 19/00 (2006.01)

ARIPO Application Number Index of Granted Patents (Contd.)

ARIPO Application No.	ARIPO Patent No.	PCT Application No.	Patentee's Name	IPC Symbol(s)
AP/P/2017/009907	AP 6551	PCT/US2015/056491	ENVIROLOGIX INC.	C12Q 1/68 (2006.01) C12P 19/34 (2006.01)
AP/P/2020/012416	AP 6555	PCT/JP2018/042277	SHARP KABUSHIKI KAISHA	H04W 74/08 (2009.01) H04W 16/28 (2009.01)
AP/P/2020/012572	AP 6557	PCT/IB2019/050639	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	H04L 5/00 (2006.01) H04B 7/06 (2006.01)
AP/P/2016/009289	AP 6534	PCT/US2014/066396	METSO MINERALS INDUSTRIES, INC.	B02C 2/04 (2006.01) B02C 23/04 (2006.01)
AP/P/2020/012596	AP 6518	PCT/US2019/017721	GILEAD SCIENCES, INC.	C07D 405/14 (2006.01) A61K 31/497 (2006.01) C07D 403/14 (2006.01) C07D 241/18 (2006.01) C07D 241/20 (2006.01) C07D 487/08 (2006.01) C07D 487/10 (2006.01) C07D 491/107 (2006.01) C07D 519/00 (2006.01) A61P 35/00 (2006.01)
AP/P/2020/012419	AP 6545	PCT/EP2018/082583	RPL HOLDINGS LIMITED	C09K 5/04 (2006.01)
AP/P/2019/011419	AP 6560	PCT/EP2017/069925	TERMO-IND S.A.	H01L 35/22 (2006.01) H01L 35/34 (2006.01)
AP/P/2016/009322	AP 6513	PCT/GB2015/050155	ASTRAZENECA AB	C07D 267/10 (2006.01) C07D 413/14 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) A61K 31/553 (2006.01) A61P 11/00 (2006.01)
AP/P/2017/010166	AP 6535	PCT/IB2016/050155	AGARWAL Yogesh	G08G 1/00 (2006.01) B60Q 1/00 (2006.01)
AP/P/2020/012714	AP 6530	PCT/IB2019/052814	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	H04W 52/28 (2009.01) H04W 52/14 (2009.01) H04W 52/24 (2009.01)
AP/P/2020/012500	AP 6556	PCT/AU2019/050041	SPINEX PTY LTD	E21B 21/06 (2006.01) B04B 1/16 (2006.01) B04B 7/08 (2006.01)
AP/P/2019/011952	AP 6553	PCT/US2018/013447	TLC PRODUCTS	A01N 25/12 (2006.01) A01N 33/12 (2006.01) A01N 37/46 (2006.01) A01N 43/16 (2006.01) A01N 59/06 (2006.01) A01N 63/02 (2006.01)
AP/P/2020/012261	AP 6538	PCT/IB2018/056747	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	H04W 74/08 (2009.01)
AP/P/2018/010731	AP 6517	PCT/US2016/062394	MERCK SHARP & DOHME LLC	C07K 16/28 (2006.01) C07K 16/18 (2006.01)
AP/P/2020/012624	AP 6528	PCT/US2019/019074	ELI LILLY AND COMPANY	C07D 403/04 (2006.01) A61P 35/00 (2006.01) A61K 31/513 (2006.01)
AP/P/2020/012702	AP 6529	PCT/IB2019/053314	PFIZER INC.	C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) A61P 35/00 (2006.01)

Patents Renewed

Patent No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP 2054	AP/P/2005/003228	21.11.2022	15.02.2024	18th yr
AP 1961	AP/P/2005/003440	09.11.2022	03.11.2023	17th yr
AP 2328	AP/P/2006/003581	25.11.2022	22.12.2023	18th yr
AP 2078	AP/P/2006/003656	22.11.2022	22.11.2023	18th yr
AP 2212	AP/P/2006/003675	11.11.2022	29.12.2023	18th yr
AP 2869	AP/P/2007/004021	09.11.2022	29.11.2023	17th yr
AP 4095	AP/P/2007/004033	09.11.2022	23.11.2023	17th yr
AP 2327	AP/P/2007/004054	07.11.2022	08.12.2023	17th yr
AP 2371	AP/P/2007/004086	25.11.2022	05.01.2024	17th yr
AP 2346	AP/P/2007/004242	18.11.2022	19.11.2023	15th yr
AP 2348	AP/P/2008/004473	25.11.2022	04.12.2023	16th yr
AP 2578	AP/P/2008/004499	10.11.2022	10.11.2023	16th yr
AP 2911	AP/P/2008/004504	25.11.2022	01.12.2023	16th yr
AP 2702	AP/P/2008/004522	11.11.2022	29.12.2023	16th yr
AP 2407	AP/P/2008/004544	21.11.2022	12.01.2024	16th yr
AP 2540	AP/P/2009/004825	07.11.2022	13.11.2023	16th yr
AP 2498	AP/P/2009/004870	07.11.2022	03.12.2023	15th yr
AP 2670	AP/P/2009/004871	07.11.2022	04.12.2023	15th yr
AP 2478	AP/P/2009/004872	07.11.2022	04.12.2023	15th yr
AP 2477	AP/P/2009/004873	07.11.2022	04.12.2023	15th yr
AP 2479	AP/P/2009/004874	07.11.2022	04.12.2023	15th yr
AP 2731	AP/P/2009/004903	10.11.2022	12.11.2023	15th yr
AP 2862	AP/P/2009/004927	11.11.2022	20.12.2023	15th yr
AP 6274	AP/P/2009/005056	04.11.2022	05.05.2023	14th yr
AP 3059	AP/P/2010/005250	07.11.2022	14.11.2023	14th yr
AP 3197	AP/P/2010/005297	31.10.2022	17.12.2023	14th yr
AP 3191	AP/P/2010/005320	31.10.2022	14.12.2023	15th yr
AP 3363	AP/P/2011/005548	21.11.2022	29.07.2023	13th yr
AP 2653	AP/P/2011/005742	21.11.2022	09.12.2023	13th yr
AP 2859	AP/P/2011/005745	31.10.2022	07.12.2023	13th yr
AP 3165	AP/P/2011/005748	22.11.2022	24.11.2023	13th yr
AP 3679	AP/P/2011/005750	21.11.2022	25.11.2023	13th yr
AP 3684	AP/P/2011/005751	09.11.2022	09.11.2023	13th yr
AP 3392	AP/P/2011/005761	28.11.2022	01.12.2023	13th yr
AP 4221	AP/P/2011/005764	09.11.2022	30.11.2023	13th yr
AP 3719	AP/P/2011/005767	25.11.2022	18.11.2023	13th yr
AP 3188	AP/P/2011/005778	31.10.2022	17.12.2023	13th yr
AP 3130	AP/P/2011/005834	11.11.2022	14.12.2023	13th yr

Patents Renewed (Contd.)

Patent No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP 3217	AP/P/2012/006228	07.11.2022	10.12.2023	12th yr
AP 3291	AP/P/2012/006270	21.11.2022	06.12.2023	12th yr
AP 3083	AP/P/2012/006278	10.11.2022	18.11.2023	12th yr
AP 4679	AP/P/2012/006325	31.10.2022	16.11.2023	12th yr
AP 3296	AP/P/2012/006329	21.11.2022	08.12.2023	12th yr
AP 3601	AP/P/2012/006349	25.11.2022	03.12.2023	12th yr
AP 3319	AP/P/2012/006372	25.11.2022	17.12.2023	12th yr
AP 3315	AP/P/2012/006373	25.11.2022	17.12.2023	12th yr
AP 3316	AP/P/2012/006374	25.11.2022	17.12.2023	12th yr
AP 3240	AP/P/2012/006377	07.11.2022	29.11.2023	12th yr
AP 3976	AP/P/2012/006620	18.11.2022	01.12.2023	12th yr
AP 3739	AP/P/2013/006896	11.11.2022	31.10.2023	11th yr
AP 3429	AP/P/2013/006922	31.10.2022	15.11.2023	11th yr
AP 3692	AP/P/2013/006946	07.11.2022	09.11.2023	11th yr
AP 3519	AP/P/2013/006951	31.10.2022	30.11.2023	11th yr
AP 3549	AP/P/2013/006956	07.11.2022	27.12.2023	11th yr
AP 3654	AP/P/2013/006968	29.11.2022	05.12.2023	11th yr
AP 3718	AP/P/2013/006969	02.11.2022	01.12.2023	11th yr
AP 4147	AP/P/2013/006972	07.11.2022	14.12.2023	11th yr
AP 3572	AP/P/2013/006977	28.11.2022	07.12.2023	11th yr
AP 3553	AP/P/2013/006979	25.11.2022	12.12.2023	11th yr
AP 4427	AP/P/2013/006996	07.11.2022	21.12.2023	11th yr
AP 3933	AP/P/2013/007000	31.10.2022	20.12.2023	11th yr
AP 3966	AP/P/2013/007015	11.11.2022	29.12.2023	11th yr
AP 3836	AP/P/2013/007031	18.11.2022	17.01.2024	11th yr
AP 3745	AP/P/2013/007114	07.11.2022	12.09.2023	11th yr
AP 3745	AP/P/2013/007114	07.11.2022	12.09.2013	1st yr
AP 4149	AP/P/2013/007115	07.11.2022	12.09.2023	11th yr
AP 4149	AP/P/2013/007115	07.11.2022	12.09.2013	1st yr
AP 3746	AP/P/2013/007116	07.11.2022	12.09.2023	11th yr
AP 3746	AP/P/2013/007116	07.11.2022	12.09.2013	1st yr
AP 4483	AP/P/2013/007247	10.11.2022	14.11.2023	9th yr
AP 4669	AP/P/2013/007311	10.11.2022	16.05.2023	10th yr
AP 4669	AP/P/2013/007311	10.11.2022	16.05.2014	1st yr
AP 5563	AP/P/2013/007323	07.11.2022	17.12.2023	9th yr
AP 3914	AP/P/2014/007479	14.11.2022	20.11.2023	10th yr
AP 4239	AP/P/2014/007497	22.11.2022	15.11.2023	10th yr
AP 3828	AP/P/2014/007570	08.11.2022	17.11.2023	11th yr

Patents Renewed (Contd.)

Patent No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP 4484	AP/P/2014/007571	07.11.2022	14.11.2023	10th yr
AP 4746	AP/P/2014/007619	01.11.2022	12.11.2023	10th yr
AP 4433	AP/P/2014/007627	31.10.2022	13.12.2023	10th yr
AP 3596	AP/P/2014/007649	22.11.2022	21.11.2023	10th yr
AP 4527	AP/P/2014/007660	18.11.2022	29.11.2023	11th yr
AP 4495	AP/P/2014/007664	15.11.2022	23.11.2023	10th yr
AP 3663	AP/P/2014/007677	31.10.2022	07.11.2023	10th yr
AP 4308	AP/P/2014/007705	31.10.2022	21.11.2023	10th yr
AP 4369	AP/P/2014/007726	28.11.2022	10.12.2023	10th yr
AP 5904	AP/P/2014/007728	25.11.2022	12.12.2023	10th yr
AP 4265	AP/P/2014/007729	18.11.2022	28.11.2023	10th yr
AP 5625	AP/P/2014/007734	04.11.2022	19.12.2023	10th yr
AP 5268	AP/P/2014/007787	22.11.2022	26.12.2023	10th yr
AP 5109	AP/P/2014/007805	11.11.2022	28.12.2023	10th yr
AP 5063	AP/P/2014/008068	07.11.2022	21.11.2023	8th yr
AP 5064	AP/P/2014/008070	07.11.2022	21.11.2023	8th yr
AP 4482	AP/P/2014/008127	07.11.2022	12.12.2023	8th yr
AP 4351	AP/P/2014/008139	28.11.2022	05.12.2023	10th yr
AP 4564	AP/P/2015/008218	28.11.2022	06.12.2023	10th yr
AP 3898	AP/P/2015/008243	31.10.2022	21.11.2023	10th yr
AP 6443	AP/P/2015/008263	11.11.2022	10.02.2024	8th yr
AP 5200	AP/P/2015/008322	25.11.2022	13.10.2023	9th yr
AP 4501	AP/P/2015/008385	28.10.2022	07.11.2023	9th yr
AP 4326	AP/P/2015/008398	28.10.2022	07.11.2023	9th yr
AP 4383	AP/P/2015/008411	31.10.2022	04.11.2023	9th yr
AP 4245	AP/P/2015/008412	28.10.2022	06.11.2023	9th yr
AP 4415	AP/P/2015/008413	28.11.2022	05.12.2023	9th yr
AP 4301	AP/P/2015/008416	31.10.2022	21.11.2023	9th yr
AP 4311	AP/P/2015/008418	07.11.2022	15.11.2023	9th yr
AP 5145	AP/P/2015/008421	02.11.2022	27.11.2023	9th yr
AP 5091	AP/P/2015/008422	02.11.2022	06.11.2023	9th yr
AP 4414	AP/P/2015/008498	31.10.2022	12.12.2023	9th yr
AP 4681	AP/P/2015/008505	21.11.2022	06.12.2023	9th yr
AP 4570	AP/P/2015/008510	31.10.2022	19.12.2023	9th yr
AP 4510	AP/P/2015/008514	21.11.2022	12.12.2023	9th yr
AP 4502	AP/P/2015/008516	21.11.2022	04.12.2023	9th yr
AP 5746	AP/P/2015/008517	21.11.2022	12.12.2023	9th yr
AP 4791	AP/P/2015/008519	21.11.2022	11.12.2023	9th yr

Patents Renewed (Contd.)

Patent No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP 5185	AP/P/2015/008522	15.11.2022	21.11.2023	9th yr
AP 4546	AP/P/2015/008546	28.11.2022	02.12.2023	9th yr
AP 4767	AP/P/2015/008559	21.11.2022	04.12.2023	9th yr
AP 4794	AP/P/2015/008575	21.11.2022	20.12.2023	9th yr
AP 4795	AP/P/2015/008577	21.11.2022	20.12.2023	9th yr
AP 4926	AP/P/2015/008583	21.11.2022	20.12.2023	9th yr
AP 4413	AP/P/2015/008599	07.11.2022	19.12.2023	9th yr
AP 4841	AP/P/2015/008745	26.10.2022	07.11.2023	8th yr
AP 5889	AP/P/2015/008780	25.11.2022	20.03.2024	9th yr
AP 4811	AP/P/2015/008825	25.11.2022	17.12.2023	9th yr
AP 5582	AP/P/2015/008921	15.11.2022	16.05.2023	8th yr
AP 4705	AP/P/2015/008960	08.11.2022	25.11.2023	7th yr
AP 4806	AP/P/2015/008962	08.11.2022	25.11.2023	7th yr
AP 4962	AP/P/2016/009040	31.10.2022	04.11.2023	9th yr
AP 4704	AP/P/2016/009158	31.10.2022	28.11.2023	8th yr
AP 4882	AP/P/2016/009181	31.10.2022	05.11.2023	8th yr
AP 5040	AP/P/2016/009226	18.11.2022	27.11.2023	9th yr
AP 5122	AP/P/2016/009236	31.10.2022	17.12.2023	8th yr
AP 5055	AP/P/2016/009241	28.11.2022	02.12.2023	8th yr
AP 6067	AP/P/2016/009243	25.11.2022	11.11.2023	8th yr
AP 4972	AP/P/2016/009249	28.11.2022	04.12.2023	8th yr
AP 5346	AP/P/2016/009250	31.10.2022	17.12.2023	8th yr
AP 4895	AP/P/2016/009258	14.11.2022	18.11.2023	8th yr
AP 5128	AP/P/2016/009260	31.10.2022	19.11.2023	8th yr
AP 4651	AP/P/2016/009272	08.11.2022	05.11.2023	8th yr
AP 4924	AP/P/2016/009277	25.11.2022	04.12.2023	9th yr
AP 4995	AP/P/2016/009279	09.11.2022	18.11.2023	8th yr
AP 5395	AP/P/2016/009282	21.11.2022	19.12.2023	8th yr
AP 4900	AP/P/2016/009290	25.11.2022	04.12.2023	8th yr
AP 5320	AP/P/2016/009291	28.11.2022	02.12.2023	8th yr
AP 4897	AP/P/2016/009295	11.11.2022	16.12.2023	8th yr
AP 5180	AP/P/2016/009309	07.11.2022	26.12.2023	8th yr
AP 4715	AP/P/2016/009329	25.11.2022	18.12.2023	8th yr
AP 5311	AP/P/2016/009459	21.11.2022	06.02.2024	8th yr
AP 5607	AP/P/2017/009749	31.10.2022	11.12.2023	8th yr
AP 5887	AP/P/2017/009767	01.11.2022	15.02.2024	6th yr
AP 6029	AP/P/2017/009806	18.11.2022	12.08.2023	7th yr
AP 5485	AP/P/2017/009890	31.10.2022	05.11.2023	7th yr

Patents Renewed (Contd.)

Patent No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP 5125	AP/P/2017/009908	31.10.2022	06.11.2023	7th yr
AP 6030	AP/P/2017/009911	18.11.2022	27.01.2024	7th yr
AP 5267	AP/P/2017/009929	31.10.2022	25.11.2023	7th yr
AP 5409	AP/P/2017/009933	07.11.2022	03.12.2023	7th yr
AP 5533	AP/P/2017/009934	07.11.2022	03.12.2023	7th yr
AP 5827	AP/P/2017/009935	07.11.2022	03.12.2023	7th yr
AP 6178	AP/P/2017/009959	02.11.2022	17.11.2023	7th yr
AP 5279	AP/P/2017/009963	15.11.2022	17.11.2023	7th yr
AP 4885	AP/P/2017/009964	07.11.2022	21.12.2023	7th yr
AP 5469	AP/P/2017/009975	25.11.2022	07.12.2023	7th yr
AP 6031	AP/P/2017/009976	15.11.2022	24.11.2023	7th yr
AP 6128	AP/P/2017/009983	25.11.2022	15.12.2023	7th yr
AP 5295	AP/P/2017/009987	25.11.2022	10.12.2023	7th yr
AP 6081	AP/P/2017/009996	07.11.2022	13.11.2023	7th yr
AP 5388	AP/P/2017/010009	28.11.2022	04.12.2023	7th yr
AP 5243	AP/P/2017/010013	07.11.2022	01.12.2023	8th yr
AP 6106	AP/P/2017/010020	07.11.2022	09.12.2023	8th yr
AP 5598	AP/P/2017/010055	21.11.2022	17.12.2023	7th yr
AP 5305	AP/P/2017/010063	07.11.2022	23.12.2023	7th yr
AP 5328	AP/P/2017/010091	21.11.2022	30.12.2023	7th yr
AP 5263	AP/P/2017/010129	21.11.2022	16.12.2023	7th yr
AP 5135	AP/P/2017/010136	31.10.2022	18.12.2023	7th yr
AP 5635	AP/P/2017/010185	21.11.2022	05.02.2024	7th yr
AP 5933	AP/P/2017/010349	09.11.2022	20.05.2023	6th yr
AP 5698	AP/P/2017/010353	28.11.2022	05.12.2023	5th yr
AP 5771	AP/P/2018/010535	31.10.2022	19.12.2023	9th yr
AP 5323	AP/P/2018/010682	03.11.2022	08.11.2023	6th yr
AP 6231	AP/P/2018/010689	28.10.2022	10.11.2023	6th yr
AP 5853	AP/P/2018/010696	31.10.2022	02.11.2023	6th yr
AP 5330	AP/P/2018/010706	03.11.2022	08.11.2023	6th yr
AP 5919	AP/P/2018/010739	07.11.2022	16.11.2023	6th yr
AP 5920	AP/P/2018/010762	28.11.2022	02.12.2023	6th yr
AP 5946	AP/P/2018/010766	25.11.2022	02.12.2023	6th yr
AP 5882	AP/P/2018/010776	28.11.2022	09.12.2023	6th yr
AP 6204	AP/P/2018/010779	02.11.2022	04.11.2023	6th yr
AP 5997	AP/P/2018/010783	25.11.2022	19.12.2023	6th yr
AP 5325	AP/P/2018/010791	03.11.2022	08.11.2023	6th yr
AP 6303	AP/P/2018/010799	31.10.2022	19.12.2023	6th yr

Patents Renewed (Contd.)

Patent No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP 6279	AP/P/2018/010801	07.11.2022	15.12.2023	6th yr
AP 6165	AP/P/2018/010804	28.10.2022	10.11.2023	6th yr
AP 6300	AP/P/2018/010805	21.11.2022	18.11.2023	6th yr
AP 5569	AP/P/2018/010811	18.11.2022	21.12.2023	6th yr
AP 5512	AP/P/2018/010823	11.11.2022	16.12.2023	6th yr
AP 5372	AP/P/2018/010827	21.11.2022	20.12.2023	6th yr
AP 5735	AP/P/2018/010843	31.10.2022	14.12.2023	6th yr
AP 5504	AP/P/2018/010874	07.11.2022	19.12.2023	6th yr
AP 5834	AP/P/2018/010877	31.10.2022	16.12.2023	6th yr
AP 6117	AP/P/2018/011115	01.11.2022	31.10.2023	4th yr
AP 5670	AP/P/2018/011235	31.10.2022	17.12.2023	4th yr
AP 6238	AP/P/2019/011415	25.11.2022	17.12.2023	9th yr
AP 6123	AP/P/2019/011523	31.10.2022	06.11.2023	5th yr
AP 6025	AP/P/2019/011560	07.11.2022	17.11.2023	5th yr
AP 6088	AP/P/2019/011579	07.11.2022	17.11.2023	5th yr
AP 6214	AP/P/2019/011584	31.10.2022	21.11.2023	6th yr
AP 6419	AP/P/2019/011589	31.10.2022	11.11.2023	6th yr
AP 6142	AP/P/2019/011590	25.11.2022	01.12.2023	5th yr
AP 6210	AP/P/2019/011591	15.11.2022	20.11.2023	5th yr
AP 6485	AP/P/2019/011595	02.11.2022	23.11.2023	5th yr
AP 6199	AP/P/2019/011605	07.11.2022	27.12.2023	5th yr
AP 5823	AP/P/2019/011608	31.10.2022	21.11.2023	5th yr
AP 6273	AP/P/2019/011634	31.10.2022	08.11.2023	5th yr
AP 5651	AP/P/2019/011636	31.10.2022	08.11.2023	5th yr
AP 5815	AP/P/2019/011638	14.11.2022	01.12.2023	5th yr
AP 5638	AP/P/2019/011639	21.11.2022	07.12.2023	5th yr
AP 6264	AP/P/2019/011645	31.10.2022	08.11.2023	5th yr
AP 5723	AP/P/2019/011650	31.10.2022	19.12.2023	5th yr
AP 6415	AP/P/2019/011658	11.11.2022	14.11.2023	5th yr
AP 5941	AP/P/2019/011661	25.11.2022	18.12.2023	5th yr
AP 6200	AP/P/2019/011664	25.11.2022	18.12.2023	5th yr
AP 5886	AP/P/2019/011689	10.11.2022	10.11.2023	5th yr
AP 5832	AP/P/2019/011693	28.11.2022	27.11.2023	5th yr
AP 5896	AP/P/2019/011695	03.11.2022	11.12.2023	5th yr
AP 6000	AP/P/2019/011717	10.11.2022	16.11.2023	5th yr
AP 6172	AP/P/2019/011718	07.11.2022	21.12.2023	5th yr
AP 5908	AP/P/2019/011719	18.11.2022	14.12.2023	5th yr
AP 5647	AP/P/2019/011721	25.11.2022	20.12.2023	5th yr

Patents Renewed (Contd.)

Patent No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP 6469	AP/P/2019/011726	04.11.2022	07.12.2023	5th yr
AP 6150	AP/P/2019/011803	10.11.2022	17.11.2023	5th yr
AP 6460	AP/P/2019/011938	09.11.2022	16.11.2023	10th yr
AP 6293	AP/P/2019/012120	11.11.2022	28.12.2023	10th yr
AP 6472	AP/P/2020/012381	28.11.2022	06.12.2023	4th yr
AP 6545	AP/P/2020/012419	18.11.2022	26.11.2023	4th yr
AP 6379	AP/P/2020/012424	07.11.2022	26.11.2023	4th yr
AP 6446	AP/P/2020/012429	18.11.2022	27.11.2023	4th yr
AP 6447	AP/P/2020/012433	18.11.2022	27.11.2023	4th yr
AP 6380	AP/P/2020/012444	07.11.2022	26.11.2023	4th yr
AP 6381	AP/P/2020/012453	28.10.2022	09.11.2023	4th yr
AP 6515	AP/P/2020/012482	09.11.2022	29.11.2023	4th yr
AP 6254	AP/P/2020/012491	07.11.2022	16.11.2023	4th yr
AP 6498	AP/P/2020/012495	03.11.2022	20.12.2023	4th yr
AP 6482	AP/P/2020/012496	03.11.2022	20.12.2023	4th yr

Utility Model Applications Renewed

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/U/2021/000201	16.11.2022	27.09.2023	1st yr
AP/U/2021/000202	31.10.2022	09.11.2023	1st yr

Utility Models Renewed

Patent No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP/U/000027	AP/U/2018/000148	24.11.2022	18.12.2023	4th yr

DESIGNS

Design Applications Filed

(21) AP/D/2022/001720
(22) 18.11.2022
(31) 009030158-0001
(32) 19.05.2022 (33) EU
(51) **07-02 (11)**
(54) AIR FRYER
(71) PHILIPS DOMESTIC APPLIANCES HOLDING B.V.
(72) CHEN Yu-Ping, CHUNJING Lai, HUBERT Nicolas, et al
(74) HAMILTON HARRISON & MATHEWS ADVOCATES
(84) KE, ZM

●●

(21) AP/D/2022/001721
(22) 18.11.2022
(31) 009030158-0002
(32) 19.05.2022 (33) EU
(51) **07-02 (11)**
(54) AIR FRYER
(71) PHILIPS DOMESTIC APPLIANCES HOLDING B.V.
(72) CHEN Yu-Ping, CHUNJING Lai, HUBERT Nicolas, et al
(74) HAMILTON HARRISON & MATHEWS ADVOCATES
(84) KE, ZM

●●

(21) AP/D/2022/001722
(22) 21.11.2022
(31) 202230305816.0
(32) 23.05.2022 (33) CN
(51) **12-08 (10)**
(54) CAR
(71) CHERY AUTOMOBILE CO., LTD.
(72) GAO Xinhua
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GM, SD

●●

(21) AP/D/2022/001723
(22) 14.01.2021
(51) **18-01 (11)**
(54) KAPEK SCIENTIFIC MATHEMATICAL INSTRUMENT (NEW DESIGN)
(71) CORNFIELD TRANSNATIONAL LIMITED
(72) AGBEYO Babatope Michael
(74) MENSAH Kizzta
(84) GH

●●

(21) AP/D/2022/001724
(22) 28.08.2020
(31) 2020302911104
(32) 10.06.2020 (33) CN
(51) **18-01 (11)**
(54) KAPEK SCIENTIFIC MATHEMATICAL INSTRUMENT
(71) CORNFIELD TRANSNATIONAL LIMITED
(72) AGBEYO Babatope Michael
(74) MENSAH Kizzita
(84) GH

●●

(21) AP/D/2022/001725
(22) 12.10.2022
(51) **02-02 (11)**
(54) JERSEY
(74) AGHBEKO Jacob Kudjo Ametefe
(75) AGHBEKO Kudjo Ametefe Jacob
(84) GH

●●

(21) AP/D/2022/001726
(22) 28.11.2022
(31) 202230328648.7
(32) 31.05.2022 (33) CN
(51) **12-08 (11)**
(54) CAR
(71) CHERY AUTOMOBILE CO., LTD.
(72) GAO Xinhua
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) GM, SD

●●

(21) AP/D/2022/001727
(22) 29.11.2022
(31) A2022/00994
(32) 26.08.2022 (33) ZA
(51) **09-01 (11)**
(54) CONTAINERS
(71) NAMPAK PRODUCTS LIMITED
(72) FREDERICKS Zarier
(74) ADAMS AND ADAMS MOZAMBIQUE
(84) BW, ZM, ZW

●●

■

Design Applications Withdrawn/ Lapsed

(21) AP/D/2021/001570
(22) 30.04.2021
(23) 31.10.2022
(51) **21-01**
(54) STRITECH HOPSCOTCH
(71) OWUSU-MENSAH Richard Jnr
(72) LOKKO Ellen
(74) OWUSU-MENSAH Richard Jnr
(84) GH

●●

(21) AP/D/2021/001573
(22) 30.04.2021
(23) 31.10.2022
(51) **21-01**
(54) STRITECH HOPSCOTCH
(71) OWUSU-MENSAH Richard Jnr
(72) LOKKO Ellen
(74) OWUSU-MENSAH Richard Jnr
(84) GH

●●

■

Design Applications Renewed

Application No.	Date Fee Paid	Valid Until	Anniversary
AP/D/2015/001068	27.10.2022	01.12.2023	7th yr
AP/D/2021/001586	11.11.2022	03.11.2023	1st yr

Designs Registered

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

(11) Design No : AP/D/01324 **(21) Application No :** AP/D/2021/001604 **(22) Filing Date :** 23.12.2021 **(24) Registration Date:** 04/11/2022	**(73) Applicant(s)** BAJAJ AUTO LIMITED, Mumbai-Pune Road, Akurdi, Pune, 411035, India
(30) Priority Data **(33) Country** IN **(31) Number** 345933-001 **(32) Date** 08.07.2021	**(72) Creators** SIDDHARTH Rane, India MIHIR Joshi, India AMEY Hundre, India
(84) Designated States: TZ	**(74) Representative** FISHER CORMACK & BOTHA, Malawi

(51) International Classification : 12-11

(54) Title
THREE WHEELED VEHICLE

FIGURE 11 LEFT PERSPECTIVE VIEW

Designs Registered (Contd.)

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

(11) Design No : AP/D/01325

(21) Application No : AP/D/2022/001640

(22) Filing Date : 22.02.2022

(24) Registration Date: 07/11/2022

(73) Applicant(s)
SANDVIK MINING AND CONSTRUCTION OY, Pihtisulunkatu 9, 33330 Tampere, Finland

(30) Priority Data

(33) Country	(31) Number	(32) Date
US	29/805,131	25.08.2021

(72) Creators
LIETONEN Jani, Finland
LAIHONEN Esko, Finland
HICKEY Kyle, United States of America

(84) Designated States:
TZ ZM ZW

(74) Representative
GALLOWAY & COMPANY, Zimbabwe

(51) International Classification : 15-04

(54) Title
MINING TRUCK

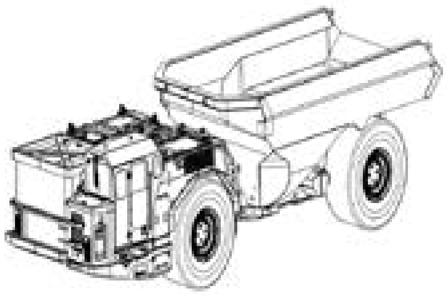


FIG. 1

Designs Registered (Contd.)

FORM 25	(12) DESIGN	(19) AP/D
(11) **Design No :** AP/D/01326 (21) **Application No :** AP/D/2022/001646 (22) **Filing Date :** 17.03.2022 (24) **Registration Date:** 16/11/2022		(73) **Applicant(s)** BIGTREE BEVERAGES LIMITED, Plot No. 29381 Nampundwe Road Light Industrial Area Lusaka, Zambia
(30) **Priority Data** (33) Country (31) Number (32) Date		(72) **Creators** HUSSEIN Patel, Zambia
(84) **Designated States:** BW LR LS MW MZ NA RW SD SZ TZ UG ZW		(74) **Representative** BIGTREE BEVERAGES LIMITED, Zambia

(51) **International Classification :** 09-01

(54) **Title**
300ML PLASTIC BOTTLE

Designs Registered (Contd.)

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

(11) **Design No :** AP/D/01327 (21) **Application No :** AP/D/2022/001647 (22) **Filing Date :** 17.03.2022 (24) **Registration Date:** 16/11/2022	(73) **Applicant(s)** BIGTREE BEVERAGES LIMITED, Plot No. 29381 Nampundwe Road Light Industrial Area Lusaka, Zambia
(30) **Priority Data** **(33) Country** **(31) Number** **(32) Date**	(72) **Creators** HUSSEIN Patel, Zambia
(84) **Designated States:** BW LR LS MW MZ NA RW SD SZ TZ ZW	(74) **Representative** BIGTREE BEVERAGES LIMITED, Zambia

(51) **International Classification :** 09-01

(54) **Title**
330ML PLASTIC BOTTLE

Designs Registered (Contd.)

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

(11) **Design No :** AP/D/01328

(21) **Application No :** AP/D/2022/001653

(22) **Filing Date :** 29.03.2022

(24) **Registration Date:** 16/11/2022

(73) **Applicant(s)**
BIGTREE BEVERAGES LIMITED, Plot No. 29381 Nampundwe Road Light Industrial Area Lusaka, Zambia

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

(72) **Creators**
HUSSEIN Patel, Zambia

(84) **Designated States:**
BW LR LS MW MZ NA RW
SD SZ TZ UG ZW

(74) **Representative**
BIGTREE BEVERAGES LIMITED, Zambia

(51) **International Classification :** 09-01

(54) **Title**
425ML PLASTIC BOTTLE

Designs Registered (Contd.)

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

(11) **Design No :** AP/D/01329 (21) **Application No :** AP/D/2022/001655 (22) **Filing Date :** 29.03.2022 (24) **Registration Date:** 16/11/2022	(73) **Applicant(s)** BIGTREE BEVERAGES LIMITED, Plot No. 29381 Nampundwe Road Light Industrial Area Lusaka, Zambia
(30) **Priority Data** **(33) Country (31) Number (32) Date**	(72) **Creators** HUSSEIN Patel, Zambia
(84) **Designated States:** BW LR LS MW MZ NA RW SD SZ TZ ZW	(74) **Representative** BIGTREE BEVERAGES LIMITED, Zambia

(51) **International Classification :** 09-01

(54) **Title**
500ML PLASTIC BOTTLE

Designs Registered (Contd.)

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

(11) Design No : AP/D/01330

(21) Application No : AP/D/2022/001644

(22) Filing Date : 07.03.2022

(24) Registration Date: 23/11/2022

(73) Applicant(s)
BIGTREE BEVERAGES LIMITED, Plot No. 29381 Nampundwe Road Light Industrial Area Lusaka, Zambia

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

(72) Creators
PATEL Hussein, Zambia

(84) Designated States:
BW LR LS MW MZ NA RW
SD SZ TZ UG ZW

(74) Representative
BIGTREE BEVERAGES LIMITED, Zambia

(51) International Classification : 09-01

(54) Title
18.9L PLASTIC CONTAINER

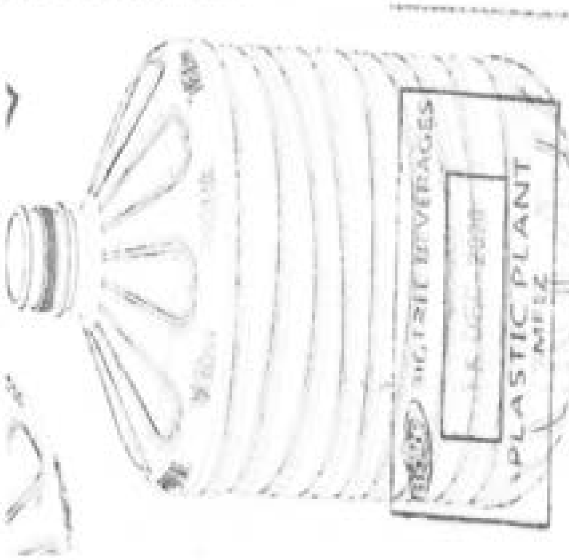


FIG. 2

Designs Registered (Contd.)

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

(11) **Design No :** AP/D/01331

(21) **Application No :** AP/D/2022/001659

(22) **Filing Date :** 08.04.2022

(24) **Registration Date:** 30/11/2022

(73) **Applicant(s)**
BIGTREE BEVERAGES LIMITED, Plot No. 29381 Nampundwe Road Light Industrial Area Lusaka, Zambia

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

(72) **Creators**
HUSSEIN Patel, Zambia

(84) **Designated States:**
BW LR LS MW MZ NA RW
SD SZ TZ UG ZW

(74) **Representative**
BIGTREE BEVERAGES LIMITED, Zambia

(51) **International Classification :** 09-01

(54) **Title**
330ML PLASTIC BOTTLE

Designs Registered (Contd.)

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

(11) **Design No :** AP/D/01332 (21) **Application No :** AP/D/2022/001660 (22) **Filing Date :** 08.04.2022 (24) **Registration Date:** 30/11/2022	(73) **Applicant(s)** BIGTREE BEVERAGES LIMITED, Plot No. 29381 Nampundwe Road Light Industrial Area Lusaka, Zambia
(30) **Priority Data** (33) Country (31) Number (32) Date	(72) **Creators** HUSSEIN Patel, Zambia
(84) **Designated States:** BW LR LS MW MZ NA RW SD SZ TZ UG ZW	(74) **Representative** BIGTREE BEVERAGES LIMITED, Zambia

(51) **International Classification :** 09-01

(54) **Title**
500ML PLASTIC BOTTLE

Designs Registered (Contd.)

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

(11) **Design No :** AP/D/01333 (21) **Application No :** AP/D/2022/001654 (22) **Filing Date :** 29.03.2022 (24) **Registration Date:** 28/11/2022	(73) **Applicant(s)** DODHIA Nilesh D J, 48158-00100, Nairobi, Kenya
(30) **Priority Data** **(33) Country** **(31) Number** **(32) Date**	(72) **Creators** DODHIA Nilesh D J, Kenya
(84) **Designated States:** TZ UG	(74) **Representative** Omamo Advocates, Kenya

(51) **International Classification :** 09-07

(54) **Title**
CAP

Designs Renewed

Design No.	Application No.	Date Fee Paid	Valid Until	Anniversary
AP/D/00644	AP/D/2013/000784	31.10.2022	02.12.2023	9th yr
AP/D/00645	AP/D/2013/000785	31.10.2022	02.12.2023	9th yr
AP/D/00646	AP/D/2013/000786	31.10.2022	02.12.2023	9th yr
AP/D/00647	AP/D/2013/000787	31.10.2022	02.12.2023	9th yr
AP/D/00648	AP/D/2013/000788	31.10.2022	02.12.2023	9th yr
AP/D/00649	AP/D/2013/000789	31.10.2022	02.12.2023	9th yr
AP/D/00730	AP/D/2014/000949	07.11.2022	23.12.2023	8th yr
AP/D/00990	AP/D/2017/001244	28.11.2022	14.11.2023	5th yr
AP/D/00995	AP/D/2017/001245	03.11.2022	01.12.2023	5th yr
AP/D/01017	AP/D/2017/001240	09.11.2022	17.11.2023	5th yr
AP/D/01077	AP/D/2018/001356	18.11.2022	20.12.2023	4th yr
AP/D/01078	AP/D/2018/001357	18.11.2022	20.12.2023	4th yr
AP/D/01079	AP/D/2018/001358	18.11.2022	20.12.2023	4th yr
AP/D/01080	AP/D/2018/001353	31.10.2022	29.11.2023	4th yr
AP/D/01094	AP/D/2019/001362	11.11.2022	11.01.2024	4th yr
AP/D/01097	AP/D/2019/001363	11.11.2022	11.01.2024	4th yr
AP/D/01103	AP/D/2018/001348	01.11.2022	01.11.2022	3rd yr
AP/D/01119	AP/D/2019/001424	03.11.2022	14.11.2023	3rd yr
AP/D/01136	AP/D/2019/001425	18.11.2022	19.11.2023	3rd yr
AP/D/01145	AP/D/2019/001431	21.11.2022	13.12.2023	3rd yr
AP/D/01146	AP/D/2019/001432	21.11.2022	13.12.2023	3rd yr
AP/D/01155	AP/D/2020/001449	22.11.2022	19.02.2024	3rd yr
AP/D/01215	AP/D/2021/001528	25.11.2022	19.02.2024	2nd yr
AP/D/01229	AP/D/2020/001500	08.11.2022	24.09.2023	2nd yr
AP/D/01243	AP/D/2020/001517	28.11.2022	11.12.2023	2nd yr
AP/D/01286	AP/D/2020/001516	28.11.2022	11.12.2023	2nd yr
AP/D/01298	AP/D/2020/001515	28.11.2022	11.12.2023	2nd yr
AP/D/01324	AP/D/2021/001604	25.11.2022	23.12.2023	1st yr

SEARCH REQUESTS FILED

Search No.	Request Date	Originating State	Type	Requester's Name	Subject
SR03496/BW	15/12/2014	BW	Copies of documents	REGISTRAR OF PATENTS BOTSWANA	The river side dam in the name of Opelo Epharaim Nkomo
SR05804/BW	08/06/2021	BW	Substantive Examination	Companies and Intellectual Property Authority	Hybrid Public Transport Cashless Payment System in the name of iTHEBE (PTY) LTD
SR06096/BW	11/04/2022	BW	Substantive Examination	Companies and Intellectual Property Authority	Hybrid Hydrogen Power Module in the name of ANGLO AMERICAN TECHNICAL & SUSTAINBILITY Service LTD
SR06197/BW	29/06/2022	BW	Substantive Examination	Companies and Intellectual Property Authority	Fortified Dried Pasta- Dried Ingredientsfold
SR06237/BW	05/08/2022	BW	Substantive Examination	Companies and Intellectual Property Authority	Request for substantive Examination.
SR06286/MW	13/09/2022	MW	SDI	CHOMBA PCM	Information regarding registration of a brand name
SR06321/KE	06/10/2022	KE	SDI	HERRMAN J Tim	Information regarding trademark registration
SR06325/UG	10/10/2022	UG	Substantive Examination	UGANDA REGISTRATION SERVICES BUREAU	"Optimization of Bananas (Matooke) draying using Stepwise Osmotic Dehydration" in the name of Banana Industrial Research and Development Centre (BIRDC)
SR06352/LS	26/10/2022	LS		NALEDI CHAMBERS INC	Information regarding ARIPO mark opposition procedures
SR06357/ZW	28/10/2022	ZW		SAIDI LAW FIRM	Request for name Search 'SNAPSTIX'
SR06358/ZW	28/10/2022	ZW	SDI	MKWANANZI Faith	Information on filing a mark application
SR06359/FR	31/10/2022	FR	SDI	ATTALI David	Information on filing a trademark application
SR06360/ET	31/10/2022	ET	SDI	CHINYAMAKOBVU S Oswald	Information on filing a mark application
SR06361/ZW	31/10/2022	ZW	SDI	HONEY & BLANCKENBERG	Information relating to AP/M/2014/002263 and AP/M/2015/002394
SR06363/BW	02/11/2022	BW	Substantive Examination	Companies and Intellectual Property Authority	Process System for Green house gas capture and sequestration.
SR06364/NA	03/11/2022	NA		Cronjé & Co.	Information regarding extension of time
SR06365/FI	03/11/2022	FI		KEMPES Marit	Mark status search for VOIMA (word) and VOIMA (figurative)
SR06366/ZA	03/11/2022	ZA	SDI	MASANGO Pic	Trademark registration enquiry
SR06367/CN	03/11/2022	CN	Bibliographic data-including status	KOU Slim	Information regarding status for renewal of AP/M/2013/001660
SR06370/NA	04/11/2022	NA	SDI	Cronjé & Co.	New Trademark availability Search in class 5
SR06373/ZW	04/11/2022	ZW	SDI	Garapasi Garai	Information regarding trademark registration and fee schedule
SR06374/AU	07/11/2022	AU	SDI	Oza Marquiis	Trademark Inquiry
SR06375/ZW	08/11/2022	ZW	SDI	Masvaya Joyce	Information regarding patent filing

SEARCH REQUESTS FILED (Contd.)

Search No.	Request Date	Originating State	Type	Requester's Name	Subject
SR06377/MW	08/11/2022	MW		FISHER CORMACK & BOTHA	Patent Equivalence Search
SR06378/RS	09/11/2022	RS	Bibliographic data-including status	Herak Nada	Question relating to annuity services
SR06379/ZW	10/11/2022	ZW		B W KAHARI LEGAL PRACTITIONERS	Trademark verification search on AP/M/2021/004753
SR06380/ZW	14/11/2022	ZW		Elisha Gift Simbararshe	Request to be an ARIPO IP Agent
SR06381/ZW	16/11/2022	ZW	SDI	MACHINGA Mazvita	Intellectual Property Protection
SR06382/NA	16/11/2022	NA	Bibliographic data-including status	ENSafrica Namibia	A status report confirming the status of ARIPO Patent No. AP4239.
SR06383/TZ	16/11/2022	TZ		LEXGLOBE LLP	Availability search for Trademarks Aroma Logo and Mitchells Logo
SR06384/NA	16/11/2022	NA	Bibliographic data-including status	Cronje & Co.	Search request on divisional applications
SR06385/NA	17/11/2022	NA	Bibliographic data-including status	ENSafrica Namibia	Information regarding trade mark Statuses
SR06386/UG	17/11/2022	UG	SDI	D. K. MAKUBUYA ADVOCATES	Information regarding Trademark registration
SR06387/IN	18/11/2022	IN	Bibliographic data-including status	ARORA Priyanka	Information regarding fee schedule and requirement in the change of name
SR06388/US	18/11/2022	US		MANAS Lorente Sergio	Search request for application number AP/P/2022/014367 published in the journal
SR06390/TZ	21/11/2022	TZ	SDI	GADALLA Katja	Search Request regarding Trademark Registration and fee schedule
SR06391/UG	22/11/2022	UG	SDI	VERMA JIVRAM & ASSOCIATES	Information on mark application fee
SR06392/TZ	23/11/2022	TZ	SDI	LAWBAY ADVOCATES	Information on filing a mark application
SR06393/TZ	23/11/2022	TZ	SDI	LINEX ATTORNEYS	Information on copyright and related rights
SR06394/ZW	24/11/2022	ZW		DLS ATTORNEYS	Mark search for registered mark in the name of Stumblebloc Zimbabwe Private Limited
SR06395/NA	25/11/2022	NA	SDI	CRONJE & Co.	Subsequent designations for marks.
SR06396/GH	25/11/2022	GH		REGISTRAR-GENERAL DEPARTMENT - GHANA	Industrial property statistics for Ghana for the year 2021
SR06397/UG	08/11/2022	UG	SDI	SIPI LAW ASSOCIATES	Inquiry on status of Trademark Registration
SR06398/TZ	21/11/2022	TZ		STARICO ATTORNEYS	Request to be listed on IP Agent website
SR06400/US	29/11/2022	US	Bibliographic data-including status	Computer Packages Inc.	Question in relation to AP/P/2022/014364 Status

Printed and published by ARIPO.
P.O. Box 4228, Harare, Zimbabwe.
Tel (+263 4) 794065/6/8/74.
Fax (+263 4) 794072.
E-mail - mail@aripo.org.
Website - www.aripo.org.