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2015 Patent Details

Paralakhemundi Campus: At - Village Alluri Nagar, P.O - R Sitapur, Via - Uppalada, Paralakhemundi - 761 211, Dist: Gajapati, Odisha, Phone: (06815) 222999

Bhubaneswar Campus: At - Ramachandrapur, P.O - Jatni, Bhubaneswar - 752050, Dist: Khurda, Odisha, Phone: (0674) 2492496

Corporate Office: At - HIG - 4, Jaydev Vihar, Opp. Pal Heights, Bhubaneswar - 751013, Dist: Khurda, Odisha, India.

Website: www.cutm.ac.in

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.448/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :24/04/2015

(43) Publication Date : 05/06/2015

(54) Title of the invention : ENHANCEMENT OF THERMAL CONDUCTIVITY THROUGH BEST NANOPARTICLE AND LIQUID PAIRING

(51) International classification	:C09K5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Centurian University of Technology & Management
(32) Priority Date	:NA	(CUTM)
(33) Name of priority country	:NA	Address of Applicant :HIG-5, Phase - 1, BDA Duplex
(86) International Application No	:NA	Pokhariput, Khurda District Bhubaneswar, ODISHA - 751020
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Dr. Ashok Misra
(61) Patent of Addition to Application Number	:NA	2)Dr. Saroj Kumar Mishra
Filing Date	:NA	3)Dr. Pradeep Kumar Tripathy
(62) Divisional to Application Number	:NA	4)Dr. Damera Nageswara Rao
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method of calculating thermal conductivity of the nano-fluids. More specifically, the method relates to measurement of the increased thermal conductivity of nano-fluids considering the thermal conductivities affected by appropriate parameters like radius, surface area, concentration, and the temperature of medium due to applied electric charge to the thermal conducting nano-fluid.

No. of Pages : 26 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.455/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :25/04/2015

(43) Publication Date : 05/06/2015

(54) Title of the invention : AUTOMATED MANUFACTURING OF AGRICULTURAL IMPLEMENTS

(51) International classification	:B24B3/46	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Centurian University of Technology & Management
(32) Priority Date	:NA	(CUTM)
(33) Name of priority country	:NA	Address of Applicant :Centurian University of Technology &
(86) International Application No	:NA	Management (CUTM) HIG-5, Phase - 1, BDA Duplex Pokhariput,
Filing Date	:NA	Khurda District Bhubaneswar, ODISHA
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Mir Sadit Ali
Filing Date	:NA	2)Aurobindo Sahu
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method of manufacturing agricultural implements on large scale. More specifically, the said method comprises of a computer aided process that collects and analyzes the required information and is also capable in designing appropriate model sketches. Further the process utilizes verification and scheduling device for verifying and scheduling the process for manufacturing of agricultural implement.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.561/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :22/05/2015

(43) Publication Date : 05/06/2015

(54) Title of the invention : COMPACT SOLAR POWERED WATER PUMPING SYSTEM

(51) International classification :F04B17/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)

Address of Applicant :HIG-5, Phase -1, BDA Duplex
Pokhariput, Khurda Dt., Bhubaneswar Orissa

(72)Name of Inventor :

1)Shiv Sankar Das

2)Udaya Kumar Sahoo

(57) Abstract :

The present invention relates to a compact solar powered water pumping system that comprises of, a moving means used for transportation from one location to another; plurality of solar panels mounted on the moving means; a foldable means provided in between the plurality of solar panels; and a pump used for pumping water, mounted on the moving means. Present invention relates to compact solar powered water pumping system which is mounted on the movable means. More specifically the direction of the solar panels can be adjusted to sunlight angle for optimum power generation of electric power that can be utilized for powering water pump. Further, the present invention offers an economic, easy to carry, portable mobile powering unit that can be carried from one place to other for powering water pumps.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.574/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :25/05/2015

(43) Publication Date : 05/06/2015

(54) Title of the invention : PROCESS FOR SUPERCRITICAL AND SUBCRITICAL FLUID CO2 EXTRACTION OF FRAGRANCES FROM CHAMPA FLOWERS

(51) International classification	:A61K8/41	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
(32) Priority Date	:NA	Address of Applicant :HIG-5, Phase -1, BDA Duplex
(33) Name of priority country	:NA	Pokhariput, Khurda Dt., Bhubaneswar Orissa
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Shashikant Tewary
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method of extracting useful compounds from selected species of plants. More specifically, the said method comprises delivering an extraction fluid from a delivery system to a heating means. Further, the method involves treating the plant species and the residual plant species with the extraction fluid in an extractor at the supercritical and sub-critical conditions respectively; separating and collecting the useful compounds in a first and second collecting means respectively thereby increasing the extraction rate of the useful compound.

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.612/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :31/05/2015

(43) Publication Date : 05/06/2015

(54) Title of the invention : IDENTIFICATION OF HYDROCARBON LOCALES OF AN UNEXPLORED BASIN USING SPACE INPUTS AND GIS

(51) International classification :G01V9/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CENTURION UNIVERSITY OF TECHNOLOGY &
MANAGEMENT (CUTM)
Address of Applicant :HIG-5, Phase -1, BDA Duplex
Pokhariput, Khurda Dt., Bhubaneswar
(72)Name of Inventor :
1)Prafulla Kumar Panda

(57) Abstract :

The present invention relates to a method of identification of natural resources or hydrocarbon locales from an unexplored basin. More specifically the present invention identifies geographic anomalies based on the state of generated thematic layers using geological information. Further, architectural information of the subsurface is also collected which generates a layout that can be used to identify the natural resources or hydrocarbon locales.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 698/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :23/06/2015

(43) Publication Date : 07/08/2015

(54) Title of the invention : CONTROLLER DESIGN OF SEPIC CONVERTER USING MODEL REDUCTION

(51) International classification :H02M7/217
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CENTURION UNIVERSITY OF TECHNOLOGY &
MANAGEMENT (CUTM)
Address of Applicant :HIG-5, Phase -1, BDA Duplex
Pokhariput, Khurda Dt., Bhubaneswar, Orissa
(72)Name of Inventor :
1)Binod Kumar Padhi

(57) Abstract :

The present invention relates to a method of designing a feedback controller for higher order converter using model reduction technique. More specifically, the said method comprises of deriving the system functions in mathematical model of a physical high order converter, followed by reducing the system function of higher order into a lower order. Further, a compensator is designed for the reduced model for improved steady state and transient response.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 707/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :29/06/2015

(43) Publication Date : 07/08/2015

(54) Title of the invention : A HIGH PERFORMANCE BRIDGELESS AC-DC-DC POWER FACTOR CORRECTOR FOR LED DRIVER APPLICATION

(51) International classification	:H02M7/217	(71)Name of Applicant :	1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
(31) Priority Document No	:NA	Address of Applicant :	HIG-5, Phase -1, BDA Duplex
(32) Priority Date	:NA	Pokhariput, Khurda Dt., Bhubaneswar Orissa	
(33) Name of priority country	:NA	(72)Name of Inventor :	1)Satya Narayan Padhy
(86) International Application No	:PCT//		2)Sariha Kalra
Filing Date	:01/01/1900		
(87) International Publication No	: NA		
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

The present invention relates to a high performance bridgeless DC-DC power-factor correcting circuit. More specifically, the bridgeless DC-DC power factor corrector converter comprises of plurality of passive elements like capacitors, inductors and thereof. Further, the said plurality of active elements like diodes, an electromechanical device like switching means and atleast two additional diodes are utilized for improving the power factor of the circuit for load driving.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.742/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :08/07/2015

(43) Publication Date : 07/08/2015

(54) Title of the invention : COMPOSITE MATERIALS FROM LAYERED SILICATE CLAY AND METHOD OF MAKING GRINDING WHEELS USING THE SAME

(51) International classification	:C09D7/12	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
(32) Priority Date	:NA	Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM) HIG-5, Phase -1, BDA Duplex Pokhariput, Khurda Dt., Bhubaneswar Orissa
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT//	1)Annepu Lakshumu Naidu
Filing Date	:01/01/1900	2)Damera Nageswara Rao
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method of preparing nanocomposite grinding wheel using layered silicate-epoxy nanocomposite material. More specifically the montmorillonite-type-clay is modified into organo clay which is cured in presence of the epoxy resin facilitating for a crosslinking reaction between the organo clay and the epoxy resin at lower temperatures resulting in a nanocomposite with strong adhesion which is dispersed in a polymer tube comprising of styrene monomer. Further benzoyl peroxide is added to the mixture and is heated followed by crushing. The crushed polymerized material is heated in an vacuum oven for a certain period of time.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 749/KOL/2015 A

(19) INDIA

(22) Date of filing of Application : 10/07/2015

(43) Publication Date : 07/08/2015

(54) Title of the invention : SMART CUSTOMIZED TEACHING DEVICE

(51) International classification	:G06F3/0488	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
(32) Priority Date	:NA	Address of Applicant :HIG-5, Phase -1, BDA Duplex
(33) Name of priority country	:NA	Pokhariput, Khurda Dt., Bhubaneswar Orissa
(86) International Application No	:PCT// /	(72)Name of Inventor :
Filing Date	:01/01/1900	1)Dr. Prajna Pani
(87) International Publication No	: NA	2)Sashi Bhushan Maharana
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a smart interactive teaching aid having customized teaching information useful for improved learning capability. More specifically, the device helps the student in real-time scenarios by review, practice exams, educational games and other related activities that will automatically be recorded in the device for further preview. Further, the invention provides more interactive learning rather than routine knowledge dissemination using a smart & advanced interactive learning device.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/07/2015

(21) Application No.756/KOL/2015 A ✓

(43) Publication Date : 11/09/2015 ✓

(54) Title of the invention : MIMO SYSTEM MODEL ADAPTABLE FOR DIFFERENT CHANNEL CONFIGURATIONS ✓

(51) International classification	:H04B7/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
(32) Priority Date	:NA	Address of Applicant :HIG-5, Phase -1, BDA Duplex
(33) Name of priority country	:NA	Pokhariput, Khurda Dt., Bhubaneswar Orissa India
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	1)Abinash Gaya
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a wireless communication system that comprises of Multi input Multi output (MIMO) means. More specifically, the Multi input multi output (MIMO) means includes plurality of transmitting and receiving means and a channel utilized for the multi input and multi output means. Further, the MIMO is adaptable for different channel configurations as a common platform.

No. of Pages : 16 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1181/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :20/11/2015

(43) Publication Date : 04/12/2015

(54) Title of the invention : SOLAR DRYER

(51) International classification :F24J2/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT///
Filing Date :01/01/1900
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
Address of Applicant :HIG-5, Phase -1, BDA Duplex
Pokhariput, Khurda DL, Bhubaneswar-751020 Orissa India
(72)Name of Inventor :
1)Shiv Sankar Das
2)Biswajit Nayak
3)Udaya Kumar Sahoo
4)Debashree Behera

(57) Abstract :

The present invention relates to an energy efficient solar dryer for drying foods, vegetables, seafood, edibles or organic foods and thereof. More specifically, the present invention eliminates moisture and provides sufficient drying in a reliable, hygienic and economic way with all three modes of heat transfer viz., conduction, convection and radiation. Further, the present invention eliminates the use of auxiliary heaters by taking advantage of direct sunlight falling over the dryer that is made of a good heat conducting material to heat air within the drying room.

No. of Pages : 17 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1182/KOL/2015 A

(19) INDIA

(22) Date of filing of Application :20/11/2015

(43) Publication Date : 04/12/2015

(54) Title of the invention : RAPID CURING AGENT

(51) International classification

:C04B28/14

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:PCT//

Filing Date

:01/01/1900

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)

Address of Applicant :HIG-5, Phase -1, BDA Duplex
Pokhariput, Khurda Dt., Bhubaneswar-751020 Orissa India

(72)Name of Inventor :

1)SASANK SEKHAR HOTA

(57) Abstract :

The present invention relates to rapid curing of concrete in a very less amount of time. More specifically, the present invention improves the bond strength between reinforcing bars and concrete at a very early age utilizing reduced energy consumption and cement. Further, the present invention is very economical compared to the existing curing processes and utilizes the same equipment used for steam curing with slight modifications.

No. of Pages : 12 No. of Claims : 9



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2016 Patent Details

Paralakhemundi Campus: At - Village Alluri Nagar, P.O - R Sitapur, Via - Uppalada, Paralakhemundi - 761 211, Dist: Gajapati, Odisha, Phone: (06815) 222999

Bhubaneswar Campus: At - Ramachandrapur, P.O - Jatni, Bhubaneswar - 752050, Dist: Khurda, Odisha, Phone: (0674) 2492496

Corporate Office: At - HIG - 4, Jaydev Vihar, Opp. Pal Heights, Bhubaneswar - 751013, Dist: Khurda, Odisha, India.

Website: www.cutm.ac.in

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201631029622 A

(19) INDIA

(22) Date of filing of Application :30/08/2016

(43) Publication Date : 07/10/2016

(54) Title of the invention : Auxiliary Powered Household Appliance

(51) International classification	:H02J17/00	(71)Name of Applicant :	
(31) Priority Document No	:NA	1)Centurion University of Technology and Management	
(32) Priority Date	:NA	Address of Applicant :17, Forest park, Bhubaneswar, Khurda	
(33) Name of priority country	:NA	District - 751009, Odisha, India	
(86) International Application No	:PCT//	(72)Name of Inventor :	
Filing Date	:01/01/1900	1)Udaya Kumar Sahoo	
(87) International Publication No	: NA		
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

An improved auxiliary powered household appliance comprises of BLDC motors, main source AC grid electric supply, an auxiliary solar DC electric power, where the household appliance can switch between the two power sources either automatically or upon manual selection of type of power supply (grid electric power or solar power) by the user. The solar energy is captured by a solar panel and controlled to provide a constant rate of 12V DC power output for the operation of household appliance. Also the solar energy may be stored in a battery. The grid electric AC power is converted to DC power output and supplied to the appliance. The auxiliary powered household appliance is economical and practical and is advantageous in saving the grid electricity and also beneficial in areas of power interruption.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201631029623 A

(19) INDIA

(22) Date of filing of Application :30/08/2016

(43) Publication Date : 07/10/2016

(54) Title of the invention : Fluid Heating Solar Dehydrator

(51) International classification	:F26B3/28	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
(32) Priority Date	:NA	Address of Applicant :17, Forest park, Bhubaneswar, Khurda
(33) Name of priority country	:NA	District - 751009, Odisha, India
(86) International Application No	:PCT//	(72)Name of Inventor :
Filing Date	:01/01/1900	1)Udaya Kumar Sahoo
(87) International Publication No	: NA	2)Debashree Debadatta Behara
(61) Patent of Addition to Application Number	:NA	3)Biswajit Nayak
Filing Date	:NA	4)Shiva Sankar Das
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fluid heating solar dehydration assembly for drying of wet matter comprises of a heat chest for holding the material to be dried with an inlet for introducing flow of hot air and a solar heat capturing unit for elevating the temperature of air entering the unit. The heat chest is connected to and is in thermal communication with the solar heat capturing unit with air inlets lined with moisture limiting materials. A driving arrangement can be disposed in the solar heat capturing unit for directing heated air through the heat capturing unit and into drying relationship with the material to be dried in the heat chest. An exhaust arrangement is provided in the drying compartment for venting of spent air. The small scale fluid heating solar dehydration assembly is economic and beneficial in rural areas.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201631029624 A

(19) INDIA

(22) Date of filing of Application :30/08/2016

(43) Publication Date : 07/10/2016

(54) Title of the invention : Solar Drip Irrigation System

(51) International classification	:A01G9/24	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
(32) Priority Date	:NA	Address of Applicant :17, Forest park, Bhubaneswar, Khurda
(33) Name of priority country	:NA	District - 751009, Odisha, India
(86) International Application No	:PCT//	(72)Name of inventor :
Filing Date	:01/01/1900	1)Debashree Debadatta Behara
(87) International Publication No	: NA	2)Nimay Chandra Giri
(61) Patent of Addition to Application Number	:NA	3)Monalisa Mohanty
Filing Date	:NA	4)Shiva Sankar Das
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An auxiliary powered irrigation system comprises of an auxiliary power source mounted onto a structural arrangement with a solar tracking device for converting solar energy into electric energy, wherein the auxiliary power source is electrically connected through a miniature circuit breaker (MCB) combo box for powering the water pumping device to pump water and irrigate farm lands. The water pumping device such as a submersible pump is connected with a water source such as a water well and a water reservoir. The water reservoir is connected to drip irrigation carrying supply line with plurality of distribution lines to irrigate the farm lands by means of water pumped by auxiliary powered water pumping device. The auxiliary powered irrigation system has the advantages that power can also be supplied for irrigation under the conditions of power interruption from connected grid so that the normal running of irrigation equipment is ensured and the drip-irrigation efficiency & efficiency of submersible pump powered through solar electricity is improved.

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201641029625 A

(19) INDIA

(22) Date of filing of Application :30/08/2016

(43) Publication Date : 04/11/2016

(54) Title of the invention : VIBRATORY ASSISTED WELDING SYSTEM

(51) International classification	:A61H 1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)P.Govinda Rao
(32) Priority Date	:NA	Address of Applicant :S/o Vykunta Rao Belamara Village &
(33) Name of priority country	:NA	Post,Polaki Mandal, Srikakulam-532 430,Andhra Pradesh, India
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	2)Dr.P.SRINIVASA RAO
(87) International Publication No	: NA	3)A.Gopala Krishna
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)P.Govinda Rao
(62) Divisional to Application Number	:NA	2)Dr.P.SRINIVASA RAO
Filing Date	:NA	3)A.Gopala Krishna

(57) Abstract :

The present invention proposes a vibratory assisted welding system to aid in improvement of welding properties of the specimens. The vibrations induced during the welding operation can be controlled through various disclosed methods, primarily through voltage adjustment of the vibration inducing assembly. Another method would be to induce vibrations through a structural means mounted over the vibrating platform. The invention is advantageous in providing an economic vibration system with a control over production of vibrations and transfer over vibrations to the specimen plates to the welded thereby improving the weld joint efficiency.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201641032469 A

(19) INDIA

(22) Date of filing of Application :23/09/2016

(43) Publication Date : 07/10/2016

(54) Title of the invention : COLLAPSIBLE VEHICLE

(51) International classification

:B62K
15/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Centurion University of Technology and Management

Address of Applicant :17, Forest park, Bhubaneswar, Khurda

District - 751009, Odisha, India Andhra Pradesh India

(72)Name of Inventor :

1)A. Lakshumu Naidu

2)Dr P S V Ramana Rao

(57) Abstract :

The invention details a collapsible vehicle, which can be easily folded in simple steps. The bike is provided with a sliding lock, dead lock configuration and position-lock mechanism for mounting of movable parts, which can be movably folded and/ or disengaged to collapse the bike. The collapsible vehicle is portable and is light weight which is advantageous for carrying it in the collapsible position.

No. of Pages : 20 No. of Claims : 8



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2017 Patent Details

Paralakhemundi Campus: At - Village Alluri Nagar, P.O - R Sitapur, Via - Uppalada, Paralakhemundi - 761 211, Dist: Gajapati, Odisha, Phone: (06815) 222999

Bhubaneswar Campus: At - Ramachandrapur, P.O - Jatni, Bhubaneswar - 752050, Dist: Khurda, Odisha, Phone: (0674) 2492496

Corporate Office: At - HIG - 4, Jaydev Vihar, Opp. Pal Heights, Bhubaneswar - 751013, Dist: Khurda, Odisha, India.

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201731027568 A

(19) INDIA

(22) Date of filing of Application :03/08/2017

(43) Publication Date : 08/09/2017

(54) Title of the invention : A SYSTEM FOR PRECISE FARM MONITORING AND MICROCLIMATE CONTROL

(51) International classification	:G01P5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
(32) Priority Date	:NA	Address of Applicant :HIG – 5, Phase -1, BDA Duplex
(33) Name of priority country	:NA	Pokhariput, Khurda District, Bhubaneswar – 751020 Odisha, India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Aamlan Saswat Mishra
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention proposes a system for precise farm monitoring and microclimate control. The system comprises plurality of sensors in communication with a processor to detect farm parameters and transmit sensed values such as temperature, humidity, pH, methane and thereof to the processor. The processor is configured to compare the values with predetermined limits stored in the processor and thereby control the connected devices such as foggers to spray water vapor into the environment for maintaining the temperature between of the farm of a place between wet bulb and dry bulb temperature, fertilizer valve to supply nutrients, irrigation pump to supply water and thereof. The farmers, sharecroppers and the like can trade and display yield on a global market through the application module of the system which also facilitates precise farm monitoring. The invention is advantageous in providing farmers, sharecroppers and the like the flexibility of shifting crop seasons and obtains high yield not limiting themselves to the seasonal crops and expose farmers, sharecroppers and the like to global market.

No. of Pages : 16 No. of Claims : 10



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2018 Patent Details

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Bhubaneswar Campus: At - Ramachandrapur, P.O - Jatni, Bhubaneswar - 752050, Dist: Khurda, Odisha, Phone: (0674) 2492496

Corporate Office: At - HIG - 4, Jaydev Vihar, Opp. Pal Heights, Bhubaneswar - 751013, Dist: Khurda, Odisha, India.

Website: www.cutm.ac.in

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201731018651 A

(19) INDIA

(22) Date of filing of Application :26/05/2017

(43) Publication Date : 14/12/2018

(54) Title of the invention : A MULTIPURPOSE SOLAR ENERGY OPERATED SUGARCANE AND FRUIT JUICE CART

(51) International classification	:B60L 8/00, B65G35/00, B60P 3/00	(71)Name of Applicant : 1)Centurion University of Technology and Management Address of Applicant :17, Forest park, Bhubaneswar, Khurda District - 751009, Odisha, India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Udaya Kumar Sahoo
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention proposes a multipurpose solar energy operated sugar cane and fruit juice cart comprising of housing with a solar roof and a platform divided into sections for holding a sugarcane crusher in one partition and a food processor in the other partition, powered by the solar energy captured by the solar panels. The solar energy is stored in battery banks, while the crusher is driven through a V-belt arrangement by a motor, being powered by the battery banks. The invention is advantageous in reducing sound pollution, environmental pollution while optimizing the business model of street vendors, by minimizing their energy cost and maximizing the productivity with green energy.

No. of Pages : 11 No. of Claims : 6



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2019 Patent Details

Paralakhemundi Campus: At - Village Alluri Nagar, P.O - R Sitapur, Via - Uppalada, Paralakhemundi - 761 211, Dist: Gajapati, Odisha, Phone: (06815) 222999

Bhubaneswar Campus: At - Ramachandrapur, P.O - Jatni, Bhubaneswar - 752050, Dist: Khurda, Odisha, Phone: (0674) 2492496

Corporate Office: At - HIG - 4, Jaydev Vihar, Opp. Pal Heights, Bhubaneswar - 751013, Dist: Khurda, Odisha, India.

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201731043327 A

(19) INDIA

(22) Date of filing of Application :03/12/2017

(43) Publication Date : 07/06/2019

(54) Title of the invention : AUTOMATIC CONTROL SYSTEM FOR WATER SPRINKLING AND VENTILATION

(51) International classification	:A01G 1/00	(71)Name of Applicant : 1)Centurion University of Technology and Management (CUTM)
(31) Priority Document No	:NA	Address of Applicant :17, Forest Park, Bhubaneswar, Khurda
(32) Priority Date	:NA	District - 751009 Odisha, India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)Sangram Keshari Swain
Filing Date	:NA	2)Subrat Kumar Pradhan
(87) International Publication No	: NA	3)Swarna Prabha Jena
(61) Patent of Addition to Application Number	:NA	4)Saroj Behera
Filing Date	:NA	5)T. Sunil Kumar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention proposes an automatic control system for water sprinkling and ventilation. The system comprises a circuit board that mechanically supports and electrically connects the components using conductive tracks and thereof. The system uses an arduino based ATmega microcontroller that is specifically programmed to compute the input signals. The signals are received from the various sensors that sense moisture content of beds, humidity and ambient temperature and thereof. This is achieved by using a detecting unit with plurality of detectors arrangement for an effective system. Once the controller receives this signal, it begins the process of computation in order to carry out the necessary action for comparing the precise parameters that are pre fed and displayed in a visual means, which makes it very much informative. The system reduces human intervention and takes care of proper maintenance of growth parameters and minimizing wastage of resources in the mushroom cultivation chamber

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201731043328 A

(19) INDIA

(22) Date of filing of Application :03/12/2017

(43) Publication Date : 07/06/2019

(54) Title of the invention : SMART MONITORING SYSTEM OF SOIL MOISTURE

(51) International classification	:G01N 33/00	(71)Name of Applicant : 1)Centurion University of Technology and Management (CUTM)
(31) Priority Document No	:NA	Address of Applicant :17, Forest park, Bhubaneswar, Khurda
(32) Priority Date	:NA	District - 751009, Odisha, India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)Sangram Keshari Swain
Filing Date	:NA	2)Subrat Kumar Pradhan
(87) International Publication No	:NA	3)Swarna Prabha Jena
(61) Patent of Addition to Application Number	:NA	4)Saroj Behera
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An integrated handheld soil moisture sensor device comprising a controller for controlling a soil moisture sensor and integrated to the microcontroller, an oscillator to generate an electrical signal of precise frequency and a sensing unit to determine the moisture content of the soil. The controller may be a microcontroller of 8051, AVR, PIC and the like controllers. The controller controls the sensor circuit in accordance to the program dumped in the controller. The soil moisture sensor may be a capacitance sensor, granular matrix sensor and the like sensors. The oscillator may be a crystal oscillator, Hartley oscillator and the like oscillators to provide clock signals based on type of said controller. The sensing unit may be a neutron probes, gravimetric probes and the like sensing units and material of the sensing unit may be a conducting material such as copper, aluminium, metal and thereof. The sensing unit is inserted into the soil to determine moisture content of the soil where in the moisture content is displayed with precise value. The invention consists of portable soil moisture sensor and a common display unit. This makes it possible for the user to observe the moisture level of the soil in multiple locations from a single conveniently positioned display unit.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201731043329 A

(19) INDIA

(22) Date of filing of Application :03/12/2017

(43) Publication Date : 07/06/2019

(54) Title of the invention : LOW SMOKE PORTABLE COMBUSTION FURNACE

(51) International classification	:A47J 37/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Centurion University of Technology and Management (CUTM)
(32) Priority Date	:NA	Address of Applicant :# 17, Forest park, Bhubaneswar, Pin -
(33) Name of priority country	:NA	751009, Dist; Khurda, Odisha, India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Nityananda Padhy
(87) International Publication No	: NA	2)Debashree debadatta Behera
(61) Patent of Addition to Application Number	:NA	3)Dr Biswajit Nayak
Filing Date	:NA	4)Shiv Sankar Das
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A low smoke portable combustion furnace comprises a combustion chamber, a shell, a plurality of air inlets, a plurality of orifices, a plurality of set of pores engraved on orifices and a support structure to place an item such as a vessel, a pot, a container and the like. The combustion chamber is to contain and combust solid biomass fuels. The term "biomass" can be taken broadly to include any fuel, coal, oil, waste products, etc., that will burn more cleanly and efficiently by getting injected of air during combustion. The inventive design of the combustion chamber can be of a variety of shapes such as cylindrical or pie shape, depending on the type of fuel used and the stove's intended purpose. The furnace design reduces the amount of carbon monoxide gas emitted from the burning of solid fuel energy source, especially biomass.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941040224 A

(19) INDIA

(22) Date of filing of Application :04/10/2019

(43) Publication Date : 25/10/2019

(54) Title of the invention : MACHINE LEARNING BASED COMPUTER IMPLEMENTED METHOD FOR MANAGING PRODUCTION FROM A HYDROCARBON RESERVOIR

(51) International classification	:G06N3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Deepa R
(32) Priority Date	:NA	Address of Applicant :Assistant Professor, Department of Information Technology, St. Joseph's College of Engineering, Chennai, India Tamil Nadu India
(33) Name of priority country	:NA	2)Priyadharshini K
(86) International Application No	:NA	3)Bennet Prabhu .A
Filing Date	:NA	4)Dr. Sujata Chakravarty
(87) International Publication No	:NA	5)Amar Kumar Das
(61) Patent of Addition to Application Number	:NA	6)Dr. Prashant Kumar Shukla
Filing Date	:NA	7)Dr. Piyush Kumar Shukla
(62) Divisional to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Deepa R
		2)Priyadharshini K
		3)Bennet Prabhu .A
		4)Dr. Sujata Chakravarty
		5)Amar Kumar Das
		6)Dr. Prashant Kumar Shukla
		7)Dr. Piyush Kumar Shukla

(57) Abstract :

The present disclosure of invention is present machine learning based computer implemented method for managing production from a hydrocarbon reservoir. The objective of the present invention to provide overcomes the inadequacies of the prior art in effective management of production from a hydrocarbon reservoir. The presented computer implemented method uses a technical data and economic data with a neural network based model to manage the operation of the production of the hydrocarbon reservoir.

No. of Pages : 18 No. of Claims : 7



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2020 Patent Details

Paralakhemundi Campus: At - Village Alluri Nagar, P.O - R Sitapur, Via - Uppalada, Paralakhemundi - 761 211, Dist: Gajapati, Odisha, Phone: (06815) 222999

Bhubaneswar Campus: At - Ramachandrapur, P.O - Jatni, Bhubaneswar - 752050, Dist: Khurda, Odisha, Phone: (0674) 2492496

Corporate Office: At - HIG - 4, Jaydev Vihar, Opp. Pal Heights, Bhubaneswar - 751013, Dist: Khurda, Odisha, India.

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931004151 A

(19) INDIA

(22) Date of filing of Application :01/02/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : ROBOTIC SERVICE SYSTEM FOR RAILWAY COACHES (SWAB RAILWAYS)

(51) International classification :A61B0034300000,
H04N0021218000,
H04N0021218700,
H04N0007180000,
G09C0001000000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :Alluri Nagar Village, P.O- R Sitapur,
Via- Uppalada, Paralakhemundi, Gajapati- 761211, Odisha, India

(72)Name of Inventor :

**1)Avinash Seekoli
2)Debasish Mohanty
3)S.Ranjit Rao**

(57) Abstract :

Title: Robotic Service System for Railway Coaches The present disclosure discloses a robotic service system that automatically cleans the targeted railway coaches while sending live video feed and monitors different parameters of the railway coaches that include humidity, gas, temperature and thereof. The robotic service system has the ability to communicate bit to bit information wirelessly about the train at any moment with railway personnel. The information may include real-time image capturing which is then communicated with the railway personnel. Further, a controlling means is configured to receive and execute instructions sent from the railway personnel. Thus, the disclosure provides a safety servicing and data collecting robot thereby preventing many accidents and life threatening issues at a low cost.

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931032613 A

(19) INDIA

(22) Date of filing of Application :12/08/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : CORIANDER EXTRACT FOR BONE CANCER

(51) International classification :A61K0036230000,
A61K0031474500,
A61K0048000000,
A61K0041000000,
A61K0009480000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India

(72)Name of Inventor :

1)Preetha Bhadra

(57) Abstract :

The proposed disclosure provides a therapeutically effective coriander (*Coriandrum Sativum*) composition for targeted gene therapy with proven pharmacological activities for the treatment of particular bone cancer. The formulation of coriander (*Coriandrum Sativum*) composition comprises of herbal extracts such as Decene (6DJC) and 2- Bornyl acetate (5ZF4) extracted from the root of coriander. The composition helps in inhibiting DNA damage, preventing cancer cell migration and promoting cancer cell death or boost the immune system. The composition has the capability of removing toxins from the body by relieving fluid retention. The composition is formulated as tablets, capsules and thereof which is a cost effective drug without having any harmful side effects for normal cells. The composition helps in providing better molecular docking scores when compared to conventional extracts.

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931032614 A

(19) INDIA

(22) Date of filing of Application :12/08/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : SYZYGIUM AROMATICUM EXTRACTS FOR OVARIAN CANCER

(51) International classification	:A61K0036610000, A23L0033105000, A61K0031198000, A61K0048000000, A21D0002360000	(71)Name of Applicant : 1)Centurion University of Technology & Management (CUTM) Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Preetha Bhadra
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The proposed disclosure provides a therapeutically effective Syzygium aromaticum (clove) composition for targeted gene therapy with proven pharmacological activities for the treatment of ovarian cancer. The formulation of Syzygium aromaticum (clove) composition comprises of herbal extracts such as kaempferol and protein. In specific, protein may include either 5AUX or 5AV2 or 5AV3 or 4DET. The composition has the capability of being used as anti-oxidant property that helps in removing free radicals. The composition can be formulated as tablets, capsules and thereof which is a cost effective drug without having any harmful side effects for normal cells. The composition helps in providing better molecular docking score when compared to conventional extracts in Syzygium aromaticum.

No. of Pages : 21 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931032615 A

(19) INDIA

(22) Date of filing of Application :12/08/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : METHI EXTRACT FOR LIVER CANCER

(51) International classification	:A61K0048000000, A61K0041000000, A61K0031708000, A61K0031417800, A61K0009480000	(71)Name of Applicant : 1)Centurion University of Technology & Management (CUTM) Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Preetha Bhadra
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The proposed disclosure provides a therapeutically effective Fenurgreek (Methi) composition for targeted gene therapy with proven pharmacological activities for the treatment of liver cancer. The formulation of Fenurgreek (Methi) composition comprises of herbal extracts such as linalool, sotofon and coumarin. The composition has the capability of being used as anti-oxidant and anti microbes. The composition is formulated as tablets, capsules and thereof which is a cost effective drug without having any harmful side effects for normal cells. The formulated drug can also be used for preparing different skin and hair products. The composition helps in providing better molecular docking scores when compared to conventional extracts in Fenurgreek.

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931032616 A

(19) INDIA

(22) Date of filing of Application :12/08/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : BACOPA MONNIERI EXTRACTS FOR LUNG CANCER

(51) International classification :A61K0036800000,
A61K0041000000,
A61K0009480000,
A61K0036680000,
A61K0031416400

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India

(72)Name of Inventor :

1)Preetha Bhadra

(57) Abstract :

The proposed disclosure provides a therapeutically effective Bacopa monnieri (Bramhi) composition for targeted gene therapy with proven pharmacological activities for the treatment of lung cancer. The formulation of Bacopa monnieri (Bramhi) composition comprises of herbal extract such as Alpha alanine-6HUG. The composition has the capability of being used as anti-oxidant property that helps in removing free radicals. The composition can be formulated as tablets, capsules and thereof which is a cost effective drug without having any harmful side effects for normal cells. The composition helps in providing better molecular docking score when compared to conventional extracts in Bacopa monnieri.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931041144 A

(19) INDIA

(22) Date of filing of Application :11/10/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : SOLAR SUGARCANE JUICER WITH CUSTOMIZED COOLING AND ADDITIVE DOSAGE DESIGN

(51) International classification	:A47J0019020000, A23N0001000000, A23L0002040000, F24S0060300000, C13B0020160000	(71)Name of Applicant : 1)CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT (CUTM) Address of Applicant :At-Alluri Nagar Village, PO-R Sitapur, Via-Uppalada, Paralakhemundi- 761211, Gajapati Dist. Odisha, India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Nimay Chandra Giri
(33) Name of priority country	:NA	2)Bishnu Prasad Mishra
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Title: Solar Sugarcane Juicer with Customized Cooling and Additive Dosage Design The present disclosure discloses a sugarcane juicer machine with customized cooling and additive dosage design that offers a ready to serve sugarcane juice. The juicer machine is powered using solar energy which is used in any remote part of the world. The juicer machine comprises of a juice extractor, a clarifier, a cooling unit and an additive dosage selector. The cooling unit further comprises of a brine tank, plurality of Peltier cells and plurality of helical coils. The clarifier may include a centrifugal clarifier that aid in separating the solids from the extracted juice. The plurality of Peltier cells are powered by the solar power supply that aid in customized cooling the brine solution as per customer requirement. The juicer provide different levels of cooling and different flavors for taste enhancement. The additive dosage selector is incorporated to add different customized additives as per customer requirement to the cooled juice to make it tastier. The juice is blended with other taste improvers that provide health benefits to cure or prevent some diseases. The solar sugarcane juicer machine provides a hygiene sugarcane juice at an affordable price that can be assured to all rural, semi urban and urban population.

No. of Pages : 16 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931045677 A

(19) INDIA

(22) Date of filing of Application :11/11/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : AUTOMATIC FAULT CONTROL SYSTEM INTEGRATED 3D PRINTER

(51) International classification :G06F0011070000,
H02M0001320000,
B41J0003407000,
G01R0031360000,
A42B0003040000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi- 761211, Gajapati District, Odisha, India.

(72)Name of Inventor :

1)Suman Kumar Sudhanshu

(57) Abstract :

Title: Automatic Fault Control System Integrated 3D Printer The present disclosure discloses an automatic fault control system integrated 3D printer which automatically monitors different parameters, assesses and corrects faults within the printer during printing of an object. The control system comprises a parameter monitoring module, a remedy application module, a fault communication module, a controller and a power module. The parameter monitoring module is configured to assess faults during printing and the fault communication module is configured to communicate the assessed faults wirelessly to the remedy application module. The remedy application module can be linked either as a mobile application or a server application or the like which provides remedies to faults occurred during printing. Further, the controller is configured to process received remedies and to correct faults occurred during printing without discontinuing the process of printing.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931049814 A

(19) INDIA

(22) Date of filing of Application :03/12/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : A DEVICE FOR DETECTION OF FOOD TOXINS

(51) International classification	:A23L0005200000, A23P0030200000, G01N0033558000, A23K0050400000, B01J0020220000	(71)Name of Applicant : 1)Centurion University of Technology and Management (CUTM) Address of Applicant :Alluri Nagar Village, PO-R Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati Dist, Odisha, India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Preetha Bhadra
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure discloses a cost-effective sensing device that detects food toxins i.e., Aflatoxin B1 in agricultural plants, food and feed products with ease and can be used by the farmers. The device comprises a body 101, a paper roll casing 102, a guiding and rolling means 103, a sample collecting means 104, an ejection means, a cutting means 105, and a paper outlet 106. The device is cost-effective and aids in detecting Aflatoxin in food and feed products based on capillary rise principle. The device is capable of detecting minor changes in the pH of solution to thereby enhance the detection procedure of the affected cell. The device helps in detecting biochemical changes in agricultural plants, food, and feed products with reduced time-consumption.

No. of Pages : 17 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931051679 A

(19) INDIA

(22) Date of filing of Application :13/12/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : BIO-GAS CYLINDER MONITORING AND REPLACING SYSTEM IN MOBILE BIO-TOILETS

(51) International classification :C12M0001107000,
A47K0011030000,
C02F0003280000,
C12M0001000000,
G06Q0010060000

(31) Priority Document No. :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology and Management (CUTM)

Address of Applicant :Alluri Nagar, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapathi Dist, Odisha, India

(72)Name of Inventor :

1)Pritam Das

2)Jyoti Lal Lodhi

3)N.Laxmidhar Reddy

(57) Abstract :

Title: Bio-Gas Cylinder Monitoring and Replacing System in Mobile Bio-Toilets The present disclosure discloses an e-movable bio-toilet incorporated with monitoring and replacing system that alerts the driver to replace the cylinder once it is filled and simultaneously transmits wirelessly the bio-gas availability information to the gas inventory in real-time. The system 100 comprises a vehicle body 101, a toilet cabinet 102, a replaceable bio-gas cylinder 103, and a weight detection means 104, a pair of visual indication means 105, a signal transmitting means 106, and a dashboard controlling means. The system transmits the signal to the driver or the inventory either in an audibly or visually manner with colour representation of filling level indication of methane gas in the cylinder. The bio-gas monitoring and replacing system minimizes pollution by using electrical energy and generates good revenue by selling the methane gas that is extracted from the waste material.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931054080 A

(19) INDIA

(22) Date of filing of Application :27/12/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : TERMINALIA CHEBULA EXTRACT COMPOSITION FOR JAUNDICE

(51) International classification :A61K0036185000,
A61K0008970000,
A61K0048000000,
A61K0008310000,
A61K0008340000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Preetha Bhadra

Address of Applicant :D/o Tapash Bhadra Babupara, Sir
Ashutosh Sarani PO, Dist-Alipurduar, West Bengal-736121 India

**2)CENTURION UNIVERSITY OF TECHNOLOGY &
MANAGEMENT (CUTM)**

(72)Name of Inventor :

1)Preetha Bhadra

2)Atanu Deb

(57) Abstract :

Terminalia Chebula Extract Composition for Jaundice The proposed disclosure provides a therapeutically effective terminalia chebula (Haritaki) composition for targeted gene therapy with proven pharmacological activities for the treatment of jaundice. The terminalia chebula extract Composition comprises of herbal extracts such as chebulagic acid, punicalagin and chebulanin. The proposed terminalia chebula (Haritaki) composition enhances glucuronidation process to thereby decrease the levels of bilirubin. The proposed composition is a cost effective drug with less harmful side effects for normal cells. The terminalia chebula (Haritaki) composition reduces the use of synthetic drugs.

No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941032262 A

(19) INDIA

(22) Date of filing of Application :08/08/2019

(43) Publication Date : 03/07/2020

(54) Title of the invention : NANOPARTICLES FOR SINGLE CYLINDER SPARK IGNITION ENGINE

(51) International classification	:F02B 75/16	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr.GURRAM ARUN MANOHAR
(32) Priority Date	:NA	Address of Applicant :50-94-25/12, ARUN APARTMENTS
(33) Name of priority country	:NA	SHANTIPURAM, VISAKHAPATNAM, ANDHRA PRADESH-
(86) International Application No	:NA	530016, INDIA. Andhra Pradesh India
Filing Date	:NA	2)Dr.G.Arun Manohar
(87) International Publication No	:NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Dr.GURRAM ARUN MANOHAR
Filing Date	:NA	2)Dr.G.Arun Manohar
(62) Divisional to Application Number	:NA	3)Dr.D.Nageswara Rao
Filing Date	:NA	4)Dr.D. NAGESWARA RAO

(57) Abstract :

ABSTRACT: Title: Nanoparticles for Single Cylinder Spark Ignition Engine The present disclosure discloses usage of biodegradable sisal nanoparticles in the combustion chamber of a single cylinder spark ignition engine along with air fuel mixtures. The nanoparticle addition assembly 100 comprises a fuel measuring unit 101, an air measuring unit 102, a temperature measuring unit 103 and a nanoparticle regulating unit 104. The nanoparticle regulating unit 104 is configured to add biodegradable sisal nanoparticles into the cylinder. The nanoparticle regulating unit 104 further comprises a flow channel pipe 105, a storage chamber 106, and a valve 107 positioned before the storage chamber. The method allows a drop in the pollutant formations of CO and HC with the addition of sisal nanoparticles. The combustion efficiency is measured in terms of the maximum temperature attained in the cylinder.

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031024943 A

(19) INDIA

(22) Date of filing of Application :13/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : A BIO-PESTICIDE COMPOSITION BASED ON PEPPERMINT EXTRACT AND ITS PREPARATION METHOD THEREOF

(51) International classification :A01N63/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.

(72)Name of Inventor :

1)Preetha Bhadra

(57) Abstract :

The present disclosure proposes a peppermint extract composition for the treatment of grey mould and microbial diseases in plants. The extract composition comprises pharmacophores such as menthone, menthofuran, beta pinen, and 1, 8 cineole that target endopolygalacturonases responsible for grey mould and microbial diseases in plants. The disclosure provides a peppermint extract composition for use as a potential biopesticide. The proposed composition provides a cost-effective drug with less harmful side effects for normal cells. Further, the composition aids to reduce the use of pesticides based on synthetic drugs.

No. of Pages : 12 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031024944 A

(19) INDIA

(22) Date of filing of Application :13/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : A BIOPESTICIDE COMPOSITION BASED ON BAEL EXTRACT AND ITS PREPARATION METHOD THEREOF

(51) International classification :A01N63/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.

(72)Name of Inventor :

1)Preetha Bhadra

(57) Abstract :

A Biopesticide Composition based on Bael Extract and its Preparation Method thereof The present disclosure proposes a potential biopesticide based on bael extract. The extract comprises of pharmacophores such as aegeline, skimmianine(1), d-limonene, marmelosin, allocryptopine to target different genes responsible for aphids in plants. The bael extract composition comprises 15 to 25 percentage of aegeline, 15 to 25 percentage of skimmianine(1), 15 to 25 percentage of d-limonene, 15 to 25 percentage of marmelosin, and 15 to 25 percentage of allocryptopine. The biopesticide extract composition interrupts with the enzymatic pathway of aphids by targeting the enzymes responsible. The bael extract composition is a cost-effective biopesticide with less harmful side effects for normal cells. The proposed composition reduces the use of pesticides based on synthetic drugs.

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031024945 A

(19) INDIA

(22) Date of filing of Application :13/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : CUMIN EXTRACT BASED BIOPESTICIDE COMPOSITION

(51) International classification :A01N63/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.

(72)Name of Inventor :

1)Preetha Bhadra

(57) Abstract :

The proposed disclosure provides a therapeutically effective cumin extract based biopesticide composition for targeted gene therapy with proven pharmacological activities for the treatment of wilt disease. The formulation of cumin extract based biopesticide composition comprises of pharmacophores such as berberine, p-coumaric, saponins and 4-isopropylbenzoic acid. The cumin composition is formulated as natural drug for microbial diseases in plants without harmful side effects for normal cells.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031024946 A

(19) INDIA

(22) Date of filing of Application :13/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : METHI EXTRACT BASED BIOPESTICIDE COMPOSITION

(51) International classification :A01N63/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.

(72)Name of Inventor :

1)Preetha Bhadra

(57) Abstract :

The proposed disclosure provides a therapeutically effective methi extract based biopesticide composition for targeted gene therapy with proven pharmacological activities for the treatment of purple blotch disease. The formulation of methi extract based biopesticide composition comprises of pharmacophores such as trigonelline, trimentylcoumarin, carpaine, choline, methyl coumarin, and trigocoumarin. The methi composition is formulated as natural drug for microbial diseases without harmful side effects for normal cells. The composition helps to aid future medicine to be completely allied to the pharmacophores and reduces the usage of synthetic drugs.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031027644 A

(19) INDIA

(22) Date of filing of Application :29/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : EXTRACTION OF BIOACTIVE PRINCIPLES FROM OECOPHYLLA SMARAGDINA BASED ANTIBACTERIAL COMPOSITION

(51) International classification	:A01N63/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Centurion University of Technology & Management (CUTM)
(32) Priority Date	:NA	Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)Chinmaya Chidananda Behera
Filing Date	:NA	2)Dr.Amulyaratna Behera
(87) International Publication No	:NA	3)Dr.Priyanka Das
(61) Patent of Addition to Application Number	:NA	4)Mrs.Suchismeeta Behera
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The proposed disclosure provides a therapeutically effective extraction of bioactive principles from n-hexane and methanolic extracts of Oecophylla Smaragdina based antibacterial composition and screened for binding affinities towards various bacterial proteins for the respective species. The composition has the capability of being used as anti-oxidant and anti-microbes. The composition enhances the inhibitory properties of extracted compounds when compared to available marketed compounds.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031027645 A

(19) INDIA

(22) Date of filing of Application :29/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : EXTRACTION OF BIOACTIVE PRINCIPLES FROM OECOPHYLLA SMARAGDINA BASED ANTICANCER COMPOSITION

(51) International classification :A61K36/00

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.

(72)Name of Inventor :

1)Chinmaya Chidananda Behera

2)Dr.Amulyaratna Behera

3)Dr.Priyanka Das

4)Mrs.Suchismeeta Behera

(57) Abstract :

The proposed disclosure provides a therapeutically effective extraction of bioactive principles from n-hexane and methanolic extracts of Oecophylla Smaragdina based anticancer composition and screened for binding affinities towards 4EKL, 3W32, and in vitro anticancer by inhibition of human cancer cell line growth. The composition has the capability of being used as anti-oxidant and anti-microbes. The composition enhances the inhibitory properties of extracted compounds when compared to available marketed compounds.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031027646 A

(19) INDIA

(22) Date of filing of Application :29/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : EXTRACTION OF BIOACTIVE PRINCIPLES FROM OECOPHYLLA SMARAGDINA BASED ANTI-FUNGAL COMPOSITION

(51) International classification :A61K36/00

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No :NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.

(72)Name of Inventor :

1)Chinmaya Chidananda Behera

2)Dr.Amulyaratna Behera

3)Mr.Suman Kumar Mekap

4)Mrs.Suchismeeta Behera

(57) Abstract :

The proposed disclosure provides a therapeutically effective extraction of bioactive principles from n-hexane and methanolic extracts of Oecophylla Smaragdina based anti-fungal composition and screened for binding affinities towards various fungal proteins for the respective species. The composition has the capability of being used as anti-oxidant and anti-microbes. The composition enhances the inhibitory properties of extracted compounds when compared to available marketed compounds.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031027647 A

(19) INDIA

(22) Date of filing of Application :29/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : EXTRACTION OF BIOACTIVE PRINCIPLES FROM OECOPHYLLA SMARAGDINA BASED MULTI TARGETING ANTI-SARS COMPOSITION

(51) International classification :A61K36/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71) Name of Applicant :

1) Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.

(72) Name of Inventor :

1) Chinmaya Chidananda Behera

2) Dr. Amulyaratna Behera

3) Dr. Gurudutta Pattnaik

4) Mrs. Suchismita Behera

(57) Abstract :

The proposed disclosure provides a therapeutically effective extraction of bioactive principles from n-hexane and methanolic extracts of Oecophylla Smaragdina based multi-targeting anti-SARS composition and screened for binding affinities towards various Severe Acute Respiratory Syndrome Coronavirus-2 (SARS CoV-2) proteins for the respective species. The composition has the capability of being used as anti-oxidant and anti-microbes. The composition enhances the inhibition of the replication and multiplication of virus in the host cells when compared to presently repurposed drug molecules for the disease.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031027660 A

(19) INDIA

(22) Date of filing of Application :30/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : COMPACT SEMI-AUTOMATIC PAPER PEN AND PENCIL MAKING MACHINE

(51) International classification :B43K29/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India

(72)Name of Inventor :

1)Amiya Singh
2)Prem Shankar Pandey
3)Ahmed Raza
4)Jamaluddin Khan
5)Rezuwan Khan

(57) Abstract :

The present disclosure proposes a compact semi-automatic paper pen and pencil making machine that reuses waste paper to roll and produce eco-friendly pens and pencils. The paper pen and pencil making machine 1S00 comprises a mounting base 101, an idle axle 102 fixed on one side of the mounting base 101, a driving axle 103 fixed on the other side of the mounting base 101 and connected to the idle axle 102 through a conveyor belt 104, a motor 105 coupled to the driving axle 103, an upper pressure plate 106a fixed on top of the mounting base 101 above the conveyor belt 104 and a lower pressure plate 106b below the conveyor belt 104, plurality of screw and spring adjustment units 107 configured on either side of the pressure plates 106a and 106b to fasten them to the mounting base 101. The machine is of simple design that consumes less power and lower maintenance. The machine aids to make pencils or pens with easier and simple process that takes only few steps. Thus, the proposed paper pen and pencil making machine is lightweight, occupies less space, and is portable.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031027661 A

(19) INDIA

(22) Date of filing of Application :30/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : EXTRACTION OF BIOACTIVE PRINCIPLES FROM OECOPHYLLA SMARAGDINA BASED ANTI-DIABETIC COMPOSITION

(51) International classification :A61K45/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Centurion University of Technology & Management (CUTM)
Address of Applicant :At-Alluri Nagar Village, PO-R, Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India
(72)Name of Inventor :
1)Chinmaya Chidananda Behera
2)Dr.Amulyaratna Behera
3)Mr.Suman Kumar Mekap
4)Mrs.Suchismeeta Behera

(57) Abstract :

The proposed disclosure provides a therapeutically effective extraction of bioactive principles from n-hexane and methanolic extracts of Oecophylla Smaragdina based and screened for binding affinities towards human Peroxisome proliferator-activated receptor gamma for the respective species. The composition has the capability of being used as anti-oxidant and anti-microbes. The composition enhances the inhibitory properties of extracted compounds when compared to available marketed compounds.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031035660 A

(19) INDIA

(22) Date of filing of Application :19/08/2020

(43) Publication Date : 04/09/2020

(54) Title of the invention : MULTI-LEVEL SECURITY AND DETECTION SYSTEM TO AVERT ELEPHANT ACCIDENTS AT RAILWAY TRACKS

(51) International classification :G06F11/30
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Dr.Sujata Chakravarty

Address of Applicant :Flat-251, Northern Heights,
Nandanvihar, Bhubaneswar-751024, Odisha, India.

(72)Name of Inventor :

1)Payal Bhadra

2)Avijit Balabantaray

3)Sujit Kumar Sahoo

4)Dr.Sujata Chakravarty

(57) Abstract :

The present disclosure proposes a multi-level elephant detection system that prevents accidents at railway tracks using three levels of security and detection by placing different sensors at each level near elephant corridors and reduces elephant accidents. The multi-level elephant detection system 100 comprises a primary level detection unit 101, a secondary level detection unit 104, a tertiary level detection unit 107, at least one sound emitting unit (not shown), a processing unit 110, and a notifying unit. The proposed system indicates presence of elephants using signal lights along the railway tracks in each security layer in real-time to the train driver. The proposed system utilizes advanced, budget friendly, cost effective equipment such as cameras, IR, PIR and piezoelectric sensors which are more convenient and efficient in sensing and detecting elephants. The system generates high frequency sounds in coordination with train timings along the elephant corridors to drive away elephants from railway tracks to prevent collision with trains. Further, the system provides a notification to the train driver, nearby railway office and forest personnel indicating presence of elephants at a specific detection level in the elephant corridor near the railway track.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031035686 A

(19) INDIA

(22) Date of filing of Application :19/08/2020

(43) Publication Date : 11/09/2020

(54) Title of the invention : AUTOMATED PORTABLE DIAGNOSTIC SYSTEM AND METHOD FOR THE PATIENTS IN COVID HOSPITALS

(51) International classification	:A61B0005145500, G01N0035100000, A61B0005020500, F04C0023000000, G01N0021780000	(71)Name of Applicant : 1)DR.SATYABRATA DASH Address of Applicant :DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, GANDHI ENGINEERING COLLEGE, BHUBANESWAR-754006,ORISSA,INDIA 2)DR.HEMRAJ SAINI 3)DR.SUJATA CHAKARVARTY 4)SWARNAPRABHA JENA 5)SUBRAT KUMAR PRADHAN 6)MR.BARADA P.PANIGRAHY 7)DR.SUBASH CH. NATH 8)DR.SUSANTA KUMAR ROUT
(31) Priority Document No	:NA	(72)Name of Inventor : 1)DR.SATYABRATA DASH 2)DR.HEMRAJ SAINI 3)DR.SUJATA CHAKARVARTY 4)SWARNAPRABHA JENA 5)SUBRAT KUMAR PRADHAN 6)MR.BARADA P.PANIGRAHY 7)DR.SUBASH CH. NATH 8)DR.SUSANTA KUMAR ROUT
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The proposed device is a ICT enabled centralized patient monitoring device which can be used for covid hospitals and will help the hospital staff (Paramedics) to monitor the body temperature of the covid 19 patients in emergency medical situations who are seriously ill with the aim of stabilizing them without moving to their place. It will also monitor the patients movement activity with respect to other persons and give warning to maintain social distancing

No. of Pages : 29 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031039046 A

(19) INDIA

(22) Date of filing of Application :10/09/2020

(43) Publication Date : 16/10/2020

(54) Title of the invention : METHOD AND AUTOMATED SAFETY EQUIPMENT FOR QUICK DETECTION OF BIOLOGICAL EVENTS OF HOSPITALIZED PATENTS FOR COVID THEREOF.

(51) International classification	:A61K0045060000, A61B0005020500, G01N0033543000, A61B0005145000, A61K0031546000	(71)Name of Applicant : 1)DR.SATYABRATA DASH Address of Applicant :DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING , GANDHI ENGINEERING COLLEGE, BHUBANESWAR-754006, ODISHA, INDIA. 2)DR.HEMRAJ SAINI 3)DR.SUJATA CHAKARVARTY 4)SWARNAPRABHA JENA 5)SUBRAT KUMAR PRADHAN 6)MR.BARADA P.PANIGRAHY 7)MR.SUBAS CH.NATH 8)DR.SUSANTA KUMAR ROUT
(31) Priority Document No	:NA	(72)Name of Inventor : 1)DR.SATYABRATA DASH 2)DR.HEMRAJ SAINI 3)DR.SUJATA CHAKARVARTY 4)SWARNAPRABHA JENA 5)SUBRAT KUMAR PRADHAN 6)MR.BARADA P.PANIGRAHY 7)MR.SUBAS CH.NATH 8)DR.SUSANTA KUMAR ROUT
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The proposed invention is a safety equipment and method involves detecting Biological events relate to the patients admitted in hospital with special reference to COVID and out patients regarding monitoring of the health of an individual. The individual wears a health monitoring device, with an attached mask, capable of sensing characteristics of the individual assigning disease event. It can help to monitor the body temperature of a person and intimate about not maintaining the social distance. This smart face shield is to provide an extra layer of protection and to protect the eyes when in close contact with someone that has or is suspected to have COVID-19. The device allows individuals to constantly monitor their health without having to physically visit a doctor or other health care professional.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031048523 A

(19) INDIA

(22) Date of filing of Application :06/11/2020

(43) Publication Date : 11/12/2020

(54) Title of the invention : SYSTEM AND METHOD FOR HEALTH CARE DATA PROCESSING THROUGH LOT BY USING BLOCKCHAIN TECHNOLOGY

(51) International classification	:G06F16/00	(71)Name of Applicant :	
(31) Priority Document No	:NA	1)DR.GEETANJALI RATHEE	Address of Applicant :DEPARTMENT OF COMPUTER
(32) Priority Date	:NA	2)DR.HEMRAJ SAINI	SCIENCE AND ENGINEERING, JAYPEE UNIVERSITY OF
(33) Name of priority country	:NA	3)DR.SATYABRATA DASH	INFORMATION TECHNOLOGY, WAKNAGHAT, SOLAN
(86) International Application No	:NA	4)DR.SUJATA CHAKARVARTY	
Filing Date	:NA	5)DR.SUSANTA KUMAR ROUT	
(87) International Publication No	: NA	6)MR.BARADA P.PANIGRAHY	
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :	
Filing Date	:NA	1)DR.GEETANJALI RATHEE	
(62) Divisional to Application Number	:NA	2)DR.HEMRAJ SAINI	
Filing Date	:NA	3)DR.SATYABRATA DASH	
		4)DR.SUJATA CHAKARVARTY	
		5)DR.SUSANTA KUMAR ROUT	
		6)MR.BARADA P.PANIGRAHY	

(57) Abstract :

The proposed invention elaborates the Blockchain phenomenon for ensuring the security and transparency of patients record, document accessibility and shipment process among provider and customer. Further, the need of blockchain in healthcare is that it would capture the intermediates activity, patients record information or medicine shipment phenomenon from IoT objects committed to components moves from one place to another or from provider and customer. The illegal activity happening at any part of the communication process can be traced easily. However, the experimental analysis of the proposed model has been measured upon the illegal activities or communications done by malevolent IoT objects.

No. of Pages : 8 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041052200 A

(19) INDIA

(22) Date of filing of Application :01/12/2020

(43) Publication Date : 11/12/2020

(54) Title of the invention : HERBAL CAKE COMPOSITION FOR GASTRITIS AND PREPARATION METHOD FOR THE SAME

(51) International classification :A61K
36/752
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Dr.Aruna Kumari Nakkella

Address of Applicant :Assistant Principal, Dr.BR Ambedkar University, Srikakulam, D. No: 20-14-13, Ramachandra Rao Peta, Near SBI, Kambal Tank Branch, Rajamahendravaram, East Godavari, Andhra Pradesh, India-533103. Andhra Pradesh India

2)Dr.Surendra Kumar Agarwal

3)Dr.Sandeep Rout

4)Mr.Gyanaranjan Sahoo

5)Dr.Ramanaiah Malla

6)Dr.Asha Mathew

7)Dr.Sulochana Munga

8)Dr.Manjulata Upadhyaya

9)Dr.Kokila S

10)Dr.N.Padmaja

11)Mr.Devendra Singh

12)Dr.Kalyani Pradhan

13)Mr.Ajay Kumar Prusty

(72)Name of Inventor :

1)Dr.Aruna Kumari Nakkella

2)Dr.Surendra Kumar Agarwal

3)Dr.Sandeep Rout

4)Mr.Gyanaranjan Sahoo

5)Dr.Ramanaiah Malla

6)Dr.Asha Mathew

7)Dr.Sulochana Munga

8)Dr.Manjulata Upadhyaya

9)Dr.Kokila S

10)Dr.N.Padmaja

11)Mr.Devendra Singh

12)Dr.Kalyani Pradhan

13)Mr.Ajay Kumar Prusty

(57) Abstract :

ABSTRACT: Title: Herbal Cake Composition for Gastritis and Preparation Method for the Same The present disclosure proposes a herbal health product for treating gastritis patients with better efficiency that contains low-sugar and low fat with ease to intake the product by the patient. The method of preparation provides the composition in the form of a cake that enables the user to consume the herbal cake with ease and enhanced interest. The proposed herbal cake composition utilizes amla seed powder that aids to relieve inflammation and infection associated with uterus and cervix and helps to reduce gastric problems and gastritis and utilizes jamun seed powder that aids to combat sores, inflammation and ulcers in the intestines. The herbal cake composition is prepared using a preparation method that mixes the amla seed powder and the jamun seed powder separately in order to avoid loss of individual medicinal properties.

No. of Pages : 14 No. of Claims : 7



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2021 Patent Details

Paralakhemundi Campus: At - Village Alluri Nagar, P.O - R Sitapur, Via - Uppalada, Paralakhemundi - 761 211, Dist: Gajapati, Odisha, Phone: (06815) 222999

Bhubaneswar Campus: At - Ramachandrapur, P.O - Jatni, Bhubaneswar - 752050, Dist: Khurda, Odisha, Phone: (0674) 2492496

Corporate Office: At - HIG - 4, Jaydev Vihar, Opp. Pal Heights, Bhubaneswar - 751013, Dist: Khurda, Odisha, India.

Website: www.cutm.ac.in

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/03/2021

(21) Application No.202141010684 A

(43) Publication Date : 19/03/2021

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED SMART TOUCHLESS MEDICINE DISPENSING SYSTEM

(51) International classification :G07F0017000000,
G06Q0050220000,
G16H0020130000,
A61J0007000000,
G16H0020100000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number:NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Dr. M. Akiful Haque,Anurag University
Address of Applicant :School Of Pharmacy, Anurag
University, Venkatapur, Medchal Dist, Hyderabad Telangana
India 500088 Telangana India
2)Dr.Dibyalochan Mohanty,Anurag University
3)Dr.Chembeti Praveen Kumar,Ratnam Institute of
Pharmacy
4)Mr.Venugopalaiah Penabaka,Ratnam Institute of
Pharmacy
5)Dr.Pratap Kumar Patra,Sree Dattha Institute of
Pharmacy
6)Ladi Alik Kumar,Centurian University of Technology and
Management
7)Anjana Devi,Career Point University
8)Bhawana Bhatt,Shri Guru Ram Rai University
9)Sudhakar Kaushik,Shri Guru Ram Rai University
10)Mr. Neeraj Bhandari,Sri Sai College Of Pharmacy
11)Mr. Tarun Kumar,Laureate Institute of Pharmacy
12)Mr. Sanjay Kumar,Gautam college of Pharmacy

(72)Name of Inventor :

1)Dr. M. Akiful Haque,Anurag University
2)Dr.Dibyalochan Mohanty,Anurag University
3)Dr.Chembeti Praveen Kumar,Ratnam Institute of
Pharmacy
4)Mr.Venugopalaiah Penabaka,Ratnam Institute of
Pharmacy
5)Dr.Pratap Kumar Patra,Sree Dattha Institute of
Pharmacy
6)Ladi Alik Kumar,Centurian University of Technology and
Management
7)Anjana Devi,Career Point University
8)Bhawana Bhatt,Shri Guru Ram Rai University
9)Sudhakar Kaushik,Shri Guru Ram Rai University
10)Mr. Neeraj Bhandari,Sri Sai College Of Pharmacy
11)Mr. Tarun Kumar,Laureate Institute of Pharmacy
12)Mr. Sanjay Kumar,Gautam college of Pharmacy

(57) Abstract :

In this pandemic era, technology dependent solutions are demanded for preventing the spread of contagious disease COVID-19 as the medical officers have themselves become victim to the disease while treating the patients. Eventually, the patients has to be cured which is possible by providing timely medication. This invention proposes an autonomous touchless medicine dispensing system for providing service to victims in the hospital ward based on Artificial Intelligence algorithm. Lack of experienced medical officers, also leads to huge death of human life. The proposed system is an innovative robotic mobile system able to provide timely medication to save human life to greater extent without the issue of pandemic spread. 3D modeling of the system is done using Pro- Engineer software. The system is able to detect specific patient using infrared technique which scans the unique digital code allocated for the patient bed. Dispensing of the medicine is done based on infrared counter where the medicines are dispensed based on doctor's prescription. Medicines are dispensed touchless in disposable containers to every patient autonomously at their ward itself. This system is efficient in providing immediate medication without any considerable delay to the victims without human intervention.

No. of Pages : 11 No. of Claims : 6



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021102320

The Commissioner of Patents has granted the above patent on 9 June 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Sunita Satapathy of Centurion University of Tech. & Mgmt Bhubaneswar Odisha India

Yashaswi Nayak of Associate Professor and Dean, Zoology, School of Applied Sciences, Centurion University of Tech and Mgmt Bhubaneswar Odisha India

Kunja Bihari Satapathy of Professor Emeritus, Botany, School of Applied Sciences, Centurion University of Tech and Mgmt Bhubaneswar Odisha India

Susanta Kumar Biswal of Professor, Chemistry, School of Applied Sciences, Centurion University of Tech. & Mgmt Bhubaneswar Odisha India

Satyasis Mishra of Professor, Electronics & Communication Engineering, Centurion University of Tech and Mgmt Bhubaneswar Odisha India

Title of invention:

Soil fertility in vermicomposting prediction utilizing WCA based Deep CNN-Model for the agricultural-domain

Name of inventor(s):

Satapathy, Sunita; Nayak, Yashaswi; Satapathy, Kunja Bihari; Biswal, Susanta Kumar and Mishra, Satyasis

Term of Patent:

Eight years from 2 May 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 9th day of June 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020103242

The Commissioner of Patents has granted the above patent on 3 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

R. Bhaskaran of Department of Information Technology PSNA College of Engineering and Technology, K R Nagar, Dindigul, Tamil Nadu, 624622 India

Hiren Dekate of Department of Zoology, ICLES Motilal Jhunhunwala College Sector 9A, Amlendu Roye Marg, Vashi, Navi Mumbai 400703 India

P. Ravindra Kumar of Department of Mechanical Engineering Lakireddy Bali Reddy College of Engineering, Mylavaram, Andhra Pradesh, 521230 India

M. Gurusamy of PG Dept of Commerce & Management Studies, Brindavan College, Dwarakanagar Bagalur Main Road, Yelahanka, Bangalore 560063 India

D. Krishna Kumar of PG Dept of Commerce & Management Studies, Brindavan College, Dwarakanagar Bagalur Main Road, Yelahanka Bangalore 560063 India

P. Uma Swarupa of PG and Research Department of Commerce, Salem Sowdeswari College (Govt. Aided) Salem, Tamil Nadu 636010 India

Mohan Dattu Sangale of Department of chemistry Rayat Shikshan Sanstha's Prof.Dr.N.D. Patil Mahavidyalaya, Shahuwadi, Dist. Kolhapur, 415101 India

Satyanarayana Katakam of Mechanical Engineering Dept Anil Neerukonda Institute of Technology and Sciences, Bhimili, Visakhapatnam, AP 531162 India

Sandeep Rout of Faculty of Agriculture, Sri Sri University Cuttack, Odisha- 754006 India

Ajay Kumar Prusty of Dept of Agricultural Ext & Communication, M S Swaminathan School of Agriculture Centurion University of Technology and Management, R. Sitapur, Gajapati, Odisha, 761211 India

Title of invention:

Prevention of food harmfulness from production to customer for centralized kitchen facility using IoT

Name of inventor(s):

Bhaskaran, R.; Dekate, Hiren; Kumar, P. Ravindra; Gurusamy, M.; Kumar, D. Krishna; Swarupa, P. Uma; Sangale, Mohan Dattu; Katakam, Satyanarayana; Rout, Sandeep and Prusty, Ajay Kumar

Term of Patent:

Eight years from 4 November 2020

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 3rd day of March 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021100000

The Commissioner of Patents has granted the above patent on 3 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Hiren Madhukar Dekate of Assistant Professor, Zoology, ICLES Motilal Jhunjhunwala College Sector-9A, Vashi, Navi Mumbai Maharashtra -400703. India

Sesha Bhargavi Velagaleti of Assistant Professor, Department of Information Technology G Narayanamma Institute of Technology and Sciences, Shaikpet, Hyderabad, Telangana- 500104 India

Ashok Abhishek of Assistant Professor, Department of Education, J.J.College Jhumri Telaiya, Koderma, 825409 India

Sandeep Rout of Assistant Professor, Faculty of Agriculture, Sri Sri University Cuttack Odisha 754006 India

Rajesh Bhatt of Assistant Professor, Department of Management, Mewar University NH-79, Gangrar (Dist. Chittorgarh), Rajasthan 312901. India

G.R. Kannan of Professor, Department of Mechanical Engineering, PSNA College of Engineering and Technology PSNA College of Engineering and Dindigul 624622 India

Tulika Chakrabarti of Assistant Professor (Grade-A), Dept.of Chemistry, Sir Padampat Singhania University Udaipur Rajasthan 313601 India

Ananda Shankar Hati of Assistant Professor, (Electrical Engineering), Dept. of Mining Machinery Engineering Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand- 826004 India

Ajay Kumar Prusty of Assistant Professor, Department of Agricultural Extension, M S Swaminathan School of Agriculture Centurion University of Technology and Management, Gajapati, Odisha, 761211 India

Sitanshu Sekhar Patra of Phd Research Scholar, Department of Meteorology & Oceanography, College of Science and Technology Andhra University, Visakhapatnam Andhra Pradesh 530003 India

Prasun Chakrabarti of Provost & Institute Endowed Distinguished, Senior Chair Professor, Techno India NJR Institute of Technology Udaipur, Rajasthan - 313003 India

R. Ranjith Kumar of Assistant professor, Department of Civil Engineering, SRM Institute of Science & Technology Delhi NCR Campus, Modinagar, Ghaziabad, Uttar Pradesh 201204 India

Title of invention:

A method to measure the air pollution impact on terrestrial and natural vegetation in urban locations

Name of inventor(s):

Dekate, Hiren Madhukar; Velagaleti, Sesha Bhargavi; Abhishek, Ashok; Rout, Sandeep; Bhatt, Rajesh; Kannan, G.R.; Chakrabarti, Tulika; Hati, Ananda Shankar; Prusty, Ajay Kumar; Patra, Sitanshu Sekhar; Chakrabarti, Prasun and Ranjith Kumar, R.

Term of Patent:



Dated this 3rd day of March 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021100002

The Commissioner of Patents has granted the above patent on 3 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

S. Mahendran of Professor, Dept.of Civil Engineering, PSNA College of Engineering & Technoloy Dindigu Tamil Nadu- 624622 India

Deepa Nair of Assistant Professor, MMS - Systems and HR Department, GNVS Institite of Management R Jaimal Singh Marg, Sion (East), GTB Nagar , Mumbai - 400032 India

Sandeep Rout of Assistant Professor, Faculty of Agriculture, Sri Sri University Cuttack ,Odisha-754006 India

R. Sabitha of Professor, Department of ECE Hindustan college of Engineering and Technology, Valley Campus, Coimbatore, Tamil Nadu- 641032 India

K Uma of Department of Mathematics, School of Advance Sciences, VIT Vellore 632014 India

Prathik A of Assistant Professor, Department of computer science Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai India

Tulika Chakrabarti of Assistant Professor (Grade-A), Dept.of Chemistry, Sir Padampat Singhania University Udaipur , Rajasthan- 313601 India

Sitanshu Sekhar Patra of Phd Research Scholar, Department of Meteorology & Oceanography, College of Science and Technology Andhra University, Visakhapatnam Andhra Pradesh, 530003 India

Ajay Kumar Prusty of Assistant Professor, Department of Agricultural Extension, M S Swaminathan School of Agriculture Centurion University of Technology and Management, Gajapati, Odisha, 761211 India

Kalyani Pradhan of Assistant Professor, Faculty of Agriculture, Sri Sri University, Sri Sri Vihar Cuttack 754006 India

Reddappa H.N of Associate Professor, Department of Mechanical Engineering, Bangalore Institute of Technology K. R. Road,V. V. Pura, Bengaluru, Karnataka - 560 004 India

Prasun Chakrabarti of Provost & Institute Endowed Distinguished, Senior Chair Professor, Techno India NJR Institute of Technology Udaipur, Rajasthan - 313003 India

Title of invention:

TECHNIQUE TO GIS MODELLING OF WATER BODIES BY MAPPING RIPARIAN VEGETATION ALONG THE SHORE

Name of inventor(s):

Mahendran, S.; Nair, Deepa; Rout, Sandeep; Sabitha, R.; Uma, K; A, Prathik; Chakrabarti, Tulika; Patra, Sitanshu Sekhar; Prusty, Ajay Kumar; Pradhan, Kalyani; H.N, Reddappa and Chakrabarti, Prasun

Term of Patent:



Dated this 3rd day of March 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

This data, for application number 2021100002, is current as of 2021-03-18 21:00 AEST

(54) Title of the invention : ECLIPTA ALBA BASED COMPOSITION FOR HAEMORRHOIDS AND ITS PREPARATION METHOD THEREOF

<p>(51) International classification :A61K 36/00</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(36) International Application No Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA</p> <p>(62) Divisional to Application Number Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr.Aruna Kumari Nakkella Address of Applicant :Assistant Principal, Dr.BR Ambedkar University, Srikakulam, D.No: 20-14-13, Ramachandra Rao Peta, Near SBI, Kambal Tank Branch, Rajamahendravaram, East Godavari-533103, Andhra Pradesh, India. Andhra Pradesh India</p> <p>2)Dr.V.Nagalakshmi</p> <p>3)Dr.Sandeep Rout</p> <p>4)Mr.Ajay Kumar Prusty</p> <p>5)Dr.Kalyani Pradhan</p> <p>6)Monika Ray</p> <p>7)Meenakshi Prusty</p> <p>8)Dr.N.Padmaja</p> <p>9)Dr.Santosh Karajgi</p> <p>10)Dr.Mohan Seelam</p> <p>11)Dr.Bassa Satyannarayana</p> <p>12)Srivastava Pratima Kumari</p> <p>13)Dr.S.Srilalitha</p> <p>14)Dr.P.Sri Rama Murthy</p> <p>(72)Name of Inventor :</p> <p>1)Dr.Aruna Kumari Nakkella</p> <p>2)Dr.V.Nagalakshmi</p> <p>3)Dr.Sandeep Rout</p> <p>4)Mr.Ajay Kumar Prusty</p> <p>5)Dr.Kalyani Pradhan</p> <p>6)Monika Ray</p> <p>7)Meenakshi Prusty</p> <p>8)Dr.N.Padmaja</p> <p>9)Dr.Santosh Karajgi</p> <p>10)Dr.Mohan Seelam</p> <p>11)Dr.Bassa Satyannarayana</p> <p>12)Srivastava Pratima Kumari</p> <p>13)Dr.S.Srilalitha</p> <p>14)Dr.P.Sri Rama Murthy</p>
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(57) Abstract :

ABSTRACT: Title: Eclipta Alba based Composition for Haemorrhoids and its Preparation Method Thereof The present disclosure proposes an edible composition with eclipta alba for the treatment of haemorrhoids without any additional herbal ingredients. The edible eclipta alba composition for haemorrhoids does not have any side effects. The proposed eclipta alba composition can be prepared at home by the patient with ease. The edible composition also aids to treat other stomach related ailments such as heat. The edible composition treats haemorrhoids with enhanced efficiency.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141018335 A

(19) INDIA

(22) Date of filing of Application :21/04/2021

(43) Publication Date : 30/04/2021

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED ANIMAL DETECTION AND IDENTIFICATION FOR PROTECTION OF FIELD CROPS

(51) International classification :A01M0029160000,
G06Q0050020000,
A01M0029100000,
G06K0009620000,
A01M0031000000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr.Aruna Kumari Nakkella
Address of Applicant :Assistant Principal, Dr.B
University, Srikakulam, D.No: 20-14-13, Ramachan
Near SBI, Kambal Tank Branch, Rajamahendravara
Godavari-533103, Andhra Pradesh, India. Andhra P
2)Dr.V.Nagalakshmi
3)Dr.T.Vidhyavathi
4)Dr.S.Srilalitha
5)Prof. P.Srinivas Subbarao
6)Dr.Mohan Seelam
7)Srivastava. Pratima Kumari
8)Devendra Singh
9)Dr.Sandeep Rout
10)Dr.Kalyani Pradhan
11)Mr.Ajay Kumar Prusty
12)Dr.P.Sri Rama Murthy
13)Dr.M.Sulochana
14)Dr.Ananda Vayaravel Cassinadane
15)Mrs.Lipsa Dash

(72)Name of Inventor :
1)Dr.Aruna Kumari Nakkella
2)Dr.V.Nagalakshmi
3)Dr.T.Vidhyavathi
4)Dr.S.Srilalitha
5)Prof. P.Srinivas Subbarao
6)Dr.Mohan Seelam
7)Srivastava. Pratima Kumari
8)Devendra Singh
9)Dr.Sandeep Rout
10)Dr.Kalyani Pradhan
11)Mr.Ajay Kumar Prusty
12)Dr.P.Sri Rama Murthy
13)Dr.M.Sulochana
14)Dr.Ananda Vayaravel Cassinadane
15)Mrs.Lipsa Dash

(57) Abstract :

ABSTRACT: Title: Artificial Intelligence Based Animal Detection and Identification System for Protection of Field Crops. The present disclosure proposes an artificial intelligence based animal detection and identification system for protection of field crops. The system comprises of an animal detection module 101, a video capturing module 102, a position detection module 103, a processing module 104, a projection module 105, and a sound producing module 106. The system 100 system protects the field crops from wild animals by projecting 3-D image along with sounds of a natural enemy animal. The proposed system projects three dimensional images of multiple natural enemy animals based on number of the identified animals in the protection system is capable of detecting animals in any climate condition, such as in hot weather condition. The proposed system does not cause any harm to the animals or the environment, or inconvenience to humans who might enter the protected area.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202131001373 A

(19) INDIA

(22) Date of filing of Application :12/01/2021

(43) Publication Date : 12/02/2021

(54) Title of the invention : SMART ATTENDANCE AND BODY TEMPERATURE MONITORING SYSTEM AT WORKING SITE.

(51) International classification	:G07C0001100000, H04N0007180000, G06Q0010060000, B63H0001000000, H04L0029080000	(71)Name of Applicant : 1)DR.SATYABRATA DASH Address of Applicant :DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, GANDHI ENGINEERING COLLEGE, BHUNANESWAR,ORISSA. 2)DR.HEMRAJ SAINI 3)DR.SUJATA CHAKARVARTY 4)SWARNA PRABHA JENA 5)SUBRAT KUMAR PRADHAN 6)MR.BARADA P.PANIGRAHY 7)DR.SUBAS CH. NATH 8)DR.SUSANTA KUMAR ROUT
(31) Priority Document No	:NA	(72)Name of Inventor : 1)DR.SATYABRATA DASH 2)DR.HEMRAJ SAINI 3)DR.SUJATA CHAKARVARTY 4)SWARNA PRABHA JENA 5)SUBRAT KUMAR PRADHAN 6)MR.BARADA P.PANIGRAHY 7)DR.SUBAS CH. NATH 8)DR.SUSANTA KUMAR ROUT
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The proposed invention (Device) provides an attendance system to the working place. The system also used for safety and security in critical regions such as Offices, working places,airports, railway-stations and classroom attendance etc. The objective of this invention is to automate the person's identity at the check-in point and to monitor the body temperature of the covid 19 patients in emergency medical situations who are seriously ill with the aim of stabilizing them without moving to their place. This motivation includes reduced manual process, staffing and shorter processing times. The proposed technology that promises greater convenience for users by simplifying and speed up the process.

No. of Pages : 8 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202131028359 A

(19) INDIA

(22) Date of filing of Application :24/06/2021

(43) Publication Date : 16/07/2021

(54) Title of the invention : METHODS AND SYSTEMS FOR AGRICULTURAL WORK BY SMART AGRICULTURE FIELD BOUNDARY WITH AI & ICT

(51) International classification	:A01B0079000000, G06Q0050020000, A01B0069040000, G06T0005000000, A01D0041127000	(71)Name of Applicant : 1)DR.SATYABRATA DASH Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,RAMACHANDRA COLLEGE OF ENGINEERING(RCE),NH-16 BYPASS ROAD,VATLURU(V),ELURU,534007, WEST GODAVARI DT.,A.P.,INDIA 2)DR.VADHRI SURYANARAYANA 3)DR.RABI NARAYAN SATHAPATHY 4)DR.JARABALA RANGA 5)MR.BARADA P.PANIGRAHY 6)DR.SUBASH CHANDRA NATH 7)DR.S.JAYA LAKSHMI 8)DR.SUJATA CHAKARVARTY 9)DR.HEMRAJ SAINI 10)DR.SUSANTA KUMAR ROUT
(31) Priority Document No	:NA	(72)Name of Inventor : 1)DR.SATYABRATA DASH 2)DR.RABI NARAYAN SATHAPATHY 3)DR.JARABALA RANGA 4)MR.BARADA P.PANIGRAHY 5)DR.SUBASH CHANDRA NATH 6)DR.VADHRI SURYANARAYANA 7)DR.S.JAYA LAKSHMI 8)DR.SUJATA CHAKARVARTY 9)DR.HEMRAJ SAINI 10)DR.SUSANTA KUMAR ROUT
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
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(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to monitoring, controlling and analyzing the today's farming environment through smart devices in the agriculture field without creating any harm to human being or animals and also it will not create any environmental pollution. More specifically it relates to the agriculture land safety using IoT devices with cost efficient real time surveillance.

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141033481 A

(19) INDIA

(22) Date of filing of Application :26/07/2021

(43) Publication Date : 06/08/2021

(54) Title of the invention : INTELLIGENT SYSTEM FOR SATELLITE COMMUNICATION FROM MOBILE DEVICES TO PUBLIC LAND MOBILE NETWORKS USING IOT & METHOD THEREOF

(51) International classification :H04B0007185000,
H04L0029080000,
H04W0088180000,
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(32) Priority Date :NA
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Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Mrs. Ayesha Siddiq
Address of Applicant :Assistant Professor, Department of Computer Science & Engineering,Shadan Womens College of Engineering & Technology, Khairtabad, Hyderabad, India
Telangana India

2)Vishal Dattana
3)Dr. Mohammed Siddique
4)Dr. Harish Chandra Mohanta
5)Mrs. Surekha Ashish Urkude
6)Dr. Ashish Manohar Urkude
7)Devesh Bathla
8)Dr.Vibhor Paliwal
9)Dr. Sharmila Gaikwad
10)Dr. Amandeep Singh
11)V.Sridhar

(72)Name of Inventor :

1)Mrs. Ayesha Siddiq
2)Vishal Dattana
3)Dr. Mohammed Siddique
4)Dr. Harish Chandra Mohanta
5)Mrs. Surekha Ashish Urkude
6)Dr. Ashish Manohar Urkude
7)Devesh Bathla
8)Dr.Vibhor Paliwal
9)Dr. Sharmila Gaikwad
10)Dr. Amandeep Singh
11)V.Sridhar

(57) Abstract :

The present invention relates to intelligent system for satellite communication from mobile devices to public land mobile networks using IOT & method thereof. The objective of the present invention is to solve the problems in the prior art technologies related to satellite communication from mobile devices to public land mobile networks

No. of Pages : 30 No. of Claims : 4



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021104155

The Commissioner of Patents has granted the above patent on 25 August 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Rukmini Mishra of Department of Botany, School of Applied Sciences, Centurion University of Technology and Management Odisha India

Raj Kumar Joshi of Department of Biotechnology, Rama Devi Women's University, Bhubaneswar Odisha 751022 India

Title of invention:

METHOD FOR MOLECULAR MAPPING AND DEVELOPING DIAGNOSTIC MARKERS FOR DETECTING ANTHRACNOSE RESISTANCE IN CHILI PEPPER

Name of inventor(s):

Mishra, Rukmini; Joshi, Raj Kumar; Rout, Ellojita and Mohanty, Jatindra Nath

Term of Patent:

Eight years from 14 July 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 25th day of August 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government

IP Australia

Register of Patents

Patents Act 1990

Innovation Patent

Patent no: 2021104564

Patentee(s): Vedik, B. of Assistant Professor Dept. of Electrical Engineering S R University, Warangal Urban Telangana 506371 India
Shiva, Chandan Kumar of Assistant Professor Dept. of Electrical & Electronics Engg. SR University Warangal Telangana 506371 India
Yadav, Sachin of Professor Dept. of Computer Science & Engineering G L Bajaj Inst. of Tech. & Management Greater Noida 201306 India
Yadav, Ranjeeta of Assistant Professor Dept. of Electronics & Comm. Engineering ABES Engineering College Ghaziabad Uttar Pradesh 201209 India
Tewari, Ranjana of Associate Professor Genetics & Plant Breeding Dept. of Agriculture, Sanskriti University Mathura U.P. 282006 India
Singh, Rana of Professor Department of Management Sanskriti University, Chatta Mathura Uttar Pradesh 282006 India
Yadav, Deepika of Assistant Professor Dept. of Electrical & Electronics Engg. SRM University Sonapat 131029 India
Raj, Saurav of Assistant Professor Dept. of Electrical Engineering Inst. of Chemical Technology Marathwada Campus, Jalna Maharashtra 431203 India
Mahapatra, Sheila of Associate Professor Dept. of Electrical & Electronics Engg. Alliance University Bangalore 562106 India
Singh, Saubhagyalaxmi of Assistant Professor Dept. of Mathematics Centurion University of Tech.&Management Odisha 752054 India
Siddique, Mohammed of Associate Professor Dept. of Mathematics Centurion University of Tech.&Management Odisha 752054 India
Hemalatha, S. of Professor Dept. of Computer Science & Engineering Panimalar Inst. of Technology, Chennai Tamil Nadu 600123 India
Mohanty, Dipak Kumar of Assistant Professor School of Computer Engineering Kalinga Inst. of Industrial Technology Deemed to be University, Bhubaneswar Odisha 752024 India

Inventor(s): Hemalatha, S.
Mohanty, Dipak Kumar
Siddique, Mohammed
Singh, Saubhagyalaxmi
Mahapatra, Sheila
Raj, Saurav
Vedik, B.
Shiva, Chandan Kumar
Yadav, Sachin
Yadav, Ranjeeta
Tewari, Ranjana
Singh, Rana
Yadav, Deepika

Title: SMART FRAMEWORK FOR PROVIDING PRIVACY AND PROTECTION IN BLOCK CHAIN BASED PRIVATE TRANSACTIONS USING CLOUD COMPUTING APPROACH

Term: Eight years from 26 July 2021

This data is current as of 2019-08-20 18:00 AEST.

Note: If not stamped and signed, this is not a certified copy for the purposes of section 195 or 197 of the Patents Act.

Page 1 of 2

Date Granted: 8 September 2021

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Date Revoked:



सत्यमेव जयते

Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202131042186
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/09/2021
APPLICANT NAME	1 . Dr. Harish Chandra Mohanta 2 . Mr.Dillip Kumar Mohanta 3 . Dr.S.Susila Sakthy 4 . Mr.Venkateswara Rao Roniki 5 . Dr.Sangeeta Gupta 6 . Mrs.P.Neelima 7 . Dr.Sushma Jaiswal 8 . Mr.Tarun Jaiswal 9 . Dr.Ganganagunta Srinivas 10 . Dr.Animesh Kumar Sharma
TITLE OF INVENTION	HYBRID STATISTICAL MODEL TO DISTRIBUTED SERVER ON CLOUD COMPUTING ENVIRONMENT
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	harishmohanta@cutm.ac.in
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	22/10/2021



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021105189

The Commissioner of Patents has granted the above patent on 27 October 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Raj Kumar Joshi of Department of Biotechnology, Rama Devi Women's University Bhubaneswar Odisha 751022 India

Rukmini Mishra of Department of Botany, School of Applied Sciences, Centurion University of Technology and Management Odisha India

Title of invention:

A METHOD FOR CREATING NOVEL ANTHRACNOSE RESISTANT PEPPER PLANTS USING GENOME MODIFICATION TECHNIQUE

Name of inventor(s):

Joshi, Raj Kumar; Mishra, Rukmini; Mohanty, Jatindra Nath and Mahanty, Bijayalaxmi

Term of Patent:

Eight years from 9 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 27th day of October 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

(54) Title of the invention : A SYSTEM FOR ENCODING AND DECODING DATA USING CLOUD COMPUTING AND METHOD THEREOF

(51) International classification :H04N0019176000, H04N0019440000, G06T0017200000, H04N0019700000, H04N0019170000

(86) International Application No :NA
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(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr.R.Tamilkodi
 Address of Applicant :Professor, Department of Computer Applications, Godavari Institute of Engineering and Technology (Autonomous), Rajahmundry, Andhra Pradesh, India. Pin Code:533296 -----
2)Dr.Shaik Saidhbi
3)Dr.C.Arunkumar Madhuvappan
4)Dr.Smita Rani Parija
5)Dr.Ranjan Kumar Mohapatra
6)Dr.Ashish Kumar Sarangi
7)Dr.M.Padmanaban
8)Dr.D.Lakshminarayanan
9)Dr.Sushma Jaiswal
10)Dr.S.Ravichandran
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)Dr.R.Tamilkodi
 Address of Applicant :Professor, Department of Computer Applications, Godavari Institute of Engineering and Technology (Autonomous), Rajahmundry, Andhra Pradesh, India. Pin Code:533296 -----
2)Dr.Shaik Saidhbi
 Address of Applicant :Associate Professor, Department of Computer Science, Samara University, Ethiopia, Po.Box:132 -----
3)Dr.C.Arunkumar Madhuvappan
 Address of Applicant :Assistant Professor, Department of ECE, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem, Tamil Nadu, India. Pin Code:636308 -----
4)Dr.Smita Rani Parija
 Address of Applicant :Associate Professor, Department of ECE, C.V. Raman Global University, BBSR, Odisha, India. Pin Code:752054 -----
5)Dr.Ranjan Kumar Mohapatra
 Address of Applicant :Department of Chemistry, Government College of Engineering, Keonjhar, Odisha, India. Pin Code:758002 -----
6)Dr.Ashish Kumar Sarangi
 Address of Applicant :Department of Chemistry, School of Applied Sciences, Centurion University of Technology and Management, Balangir Campus, Odisha, India. Pin Code:767001 -----
7)Dr.M.Padmanaban
 Address of Applicant :Assistant Professor in Computer Science Department, DRBCCC HINDU College, Dharmamurthy Nagar, Pattabiram, Chennai, Tamil Nadu, India. Pin Code:600072 -----
8)Dr.D.Lakshminarayanan
 Address of Applicant :Head, Department of Computer Science, DRBCCC HINDU College, Dharmamurthy Nagar, Pattabiram, Chennai, Tamil Nadu, India. Pin Code:600072 -----
9)Dr.Sushma Jaiswal
 Address of Applicant :Assistant Professor, Department of Computer Science & Information Technology (CSIT), Guru Ghasidas Vishwavidyalaya (A Central University), Koni, Bilaspur, Chhattisgarh, India. Pin Code: 495009 -----
10)Dr.S.Ravichandran
 Address of Applicant :HOD & Professor in PG - Computer Science Department, Shree Chandraprabhu Jain College, Minjur, Chennai, Tamil Nadu, India. Pin Code:601203 -----

(57) Abstract :
 [034] The present invention discloses a system for Encoding and Decoding Data Using Cloud Computing and method thereof. The system includes, but not limited to, an encoding syntax data information provided on a cloud computing in a quantized space from a coded bitstream, wherein the syntax data information comprising dividing information and adaptive geometry quantization information for a bounding box of the point cloud; a decoder provided on a cloud computing in a quantized space from a coded bitstream, and dividing a bounding coded unit of the point cloud into a plurality of parts based on the dividing the data information; a processing unit configured to determine quantization parameters for the parts in a bounding coded unit based on the adaptive geometry quantization information; and reconstructing a plurality of points in each of the parts in the bounding coded unit of the point cloud based on the quantization parameter for the respective part in the bounding coded unit. Accompanied Drawing [FIG. 1]

No. of Pages : 23 No. of Claims : 10



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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202131050687
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/11/2021
APPLICANT NAME	1 . Dr.Rabinarayan Satpathy 2 . Mr.Nancharaiiah Vejendla 3 . Dr.I.Suneetha 4 . Dr.N.Pushpalatha 5 . Prof.Bibhuti Bhusan Dash 6 . Dr.Sushma Jaiswal 7 . Mr.Tarun Jaiswal 8 . Prof. Utpal Chandra De 9 . Dr.Ashish Kumar Sarangi 10 . Dr.Ranjan Kumar Mohapatra
TITLE OF INVENTION	A SYSTEM BASED ON DEEP LEARNING THREE-DIMENSIONAL PIPELINE RECONSTRUCTION AND METHOD THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
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Office of the Controller General of Patents, Designs & Trade Marks
 Department of Industrial Policy & Promotion,
 Ministry of Commerce & Industry,
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Application Details

APPLICATION NUMBER	202141047288
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/10/2021
APPLICANT NAME	1 . Dr.D.Neelima Patnaik 2 . Dr.Bandi Asha Latha 3 . Mrs.Vishnu Priya Thotakura 4 . Mr.Naga Jayanth Chennupati 5 . Mr.Pramod Prakashrao Patil 6 . Dr.Rabinarayan Satpathy 7 . Dr.Sushma Jaiswal 8 . Mrs.N.Jeebaratnam 9 . Mr.Tarun Jaiswal 10 . Dr.N.Chintaiah
TITLE OF INVENTION	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
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Office of the Controller General of Patents, Designs & Trade Marks
 Department of Industrial Policy & Promotion,
 Ministry of Commerce & Industry,
 Government of India

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Application Details

APPLICATION NUMBER	202131033044
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/07/2021
APPLICANT NAME	1 . Dr. Dipak Kumar Mohanty, 2 . Dr. Ajaya Kumar Parida 3 . Ms. Shelly Suman Khuntia 4 . Subhashree Darshana 5 . Dr. Mohammed Siddique 6 . Mrs. Saubhagyalaxmi Singh 7 . Mr. Sumanjit Das 8 . Nirupama Parida
TITLE OF INVENTION	IOT BASED PULSE OXIMETER FOR PATIENT HEALTH MONITORING SYSTEM
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	dkmohanty.iitkgp@gmail.com
ADDITIONAL-EMAIL (As Per Record)	dkmohanty.iitkgp@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
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(19) INDIA

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(43) Publication Date : 29/10/2021

(54) Title of the invention : A Novel Multimodal Medical Image Fusion System with Pixel Level Fusion

(51) International classification :G06T0005500000, A61B0006000000, G06T0005000000, G06T0007000000, G06T0011000000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr.K.Shailaja
Address of Applicant :Associate Professor, Department of CSE, Anurag University, Hyderabad, Telangana, India. Pin Code:500088 -----
2)Dr.S.Venkataramana
3)Dr.Mehul P Barot
4)Mr.Shihabudeen H
5)Mrs.P.Neelima
6)Dr.Sushma Jaiswal
7)Dr. Chandra Sekhar Dash
8)Mr.Tarun Jaiswal
9)D.Thirumal Reddy
10)Dr.Lokesh P Gagnani
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr.K.Shailaja
Address of Applicant :Associate Professor, Department of CSE, Anurag University, Hyderabad, Telangana, India. Pin Code:500088 -----
2)Dr.S.Venkataramana
Address of Applicant :Associate Professor, Department of Information Technology, S.R.K.R. Engineering College, Bhimavaram, West Godavari District, Andhra Pradesh, India. Pin Code:534204 -----
3)Dr.Mehul P Barot
Address of Applicant :Assistant Professor cum I/c HOD, Department of IT, LDRP ITR, Gandhinagar, Gujarat, India. Pin Code:382015 -----
4)Mr.Shihabudeen H
Address of Applicant :Assistant Professor, College of Engineering, Kidangoor, Kottayam, Kerala, India. Pin Code: 686583 -----
5)Mrs.P.Neelima
Address of Applicant :Assistant professor, Department of CSE, School of Engineering and Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh, India. Pin Code:517502 -----
6)Dr.Sushma Jaiswal
Address of Applicant :Assistant Professor, Department of Computer Science & Information Technology (CSIT), Guru Ghasidas Vishwavidyalaya (A Central University), Koni, Bilaspur, Chhattisgarh, India. Pin Code: 495009 -----
7)Dr. Chandra Sekhar Dash
Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Centurion University of Technology & Management, Odisha, India. Pin Code:752050 -----
8)Mr.Tarun Jaiswal
Address of Applicant :Research Scholar, Department of Computer Application, National Institute of Technology (NITRR), Raipur, Chhattisgarh, India. Pin Code:492010 -----
9)D.Thirumal Reddy
Address of Applicant :M.Tech (Phd), Department of Electronics and Communication Engineering, Hyderabad, Telangana. Pin Code: 500058 -----
10)Dr.Lokesh P Gagnani
Address of Applicant :Assistant Professor, IT/CE Department, LDRP -ITR, Near KH 5 circle, Sector 15, Gandhinagar, Gujarat, India. Pin Code:382015 -----

(57) Abstract :
Image Capturing Devices have quality limitations and their quality limitations can be overcome with the Image Fusion methods. Because of the poor quality of images collected by image capturing systems, the necessity for image fusion in medical imaging has increased dramatically. Different Image Capturing Systems produce different Image Modalities which are fused to improve the quality to diagnose the patient diseases. The information present in the image can be improved by the fusion in different image modalities such as CT Images, MR Images, PET Images, and SPECT Images and so on. There is a need for developing a fusion system that can be capable of fusing the multiple modality images with more quality and less noise. The present invention disclosed herein is a Novel Multimodal Medical Image Fusion System with Pixel Level Fusion comprising of: Input Image-1 (201); Input Image-2 (202); 2-Level DWT (203); 2-Level DWT (204); PLM Fusion (205); MWGF (206); Inverse DWT (207); PLM Fusion (208); PLM Fusion (209); Entropy (210); Fused Image (211); provides an efficient multimodal image fusion method to improve the quality and understanding the information present in the multimodal images. The present invention uses Discrete Wavelet Transform, Pixel Level Maximum (PLM) and Modified Weighted Gradient Fusion (MWGF). The performance metrics such as Peak Signal-to-Noise Ratio (PSNR) of 78.421, Structural Similarity Index (SSIM) of 0.964, and Standard Deviation of 0.32 are achieved with the present invention disclosed. The present invention is implemented on the Matlab R2019 (a) environment and the dataset is taken from the openly available repositories.

No. of Pages : 16 No. of Claims : 9

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2021 106 308

Bezeichnung:

Multifunktionaler Kabinensitz für Passagierflugzeuge mit künstlicher Intelligenz

IPC:

B64D 11/06

Inhaber/Inhaberin:

Ahmad, Sayed Sayeed, Dr., Dubai, AE
Bhardwaj, Ayush, Agra, IN
Dash, Chandra Sekhar, Dr., Jatni, IN
Devadutta, Kumar, Bhubaneswar, IN
Mehbodniya, Abolfazl, Kuwait-Stadt, KW
Mohanta, Harish Chandra, Dr., Bhubaneswar, IN
Prasad, Sheetal Binod Kumar, Chennai, IN
Rani, Rashmi, Dr., Dubai, AE
Subudhi, Partha Sarathi, Wardha, IN
Urkude, Ashish Manohar, Dr., Nagpur, IN
Wattar, Ihab, Dr., Cleveland, OH, US
Webber, Julian Leonard, Toyonaka, Osaka, JP
Yadav, Deepika, Dr., Sonapat, IN

Tag der Anmeldung:

19.11.2021

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03.12.2021

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer



München, 03.12.2021



Centurion
UNIVERSITY

2022 Patent Details

Paralakhemundi Campus: At - Village Alluri Nagar, P.O - R Sitapur, Via - Uppalada, Paralakhemundi - 761 211, Dist: Gajapati, Odisha, Phone: (06815) 222999

Bhubaneswar Campus: At - Ramachandrapur, P.O - Jatni, Bhubaneswar - 752050, Dist: Khurda, Odisha, Phone: (0674) 2492496

Corporate Office: At - HIG - 4, Jaydev Vihar, Opp. Pal Heights, Bhubaneswar - 751013, Dist: Khurda, Odisha, India.

Website: www.cutm.ac.in

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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

सत्यमेव जयते



Application Details

APPLICATION NUMBER	202231004407
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/01/2022
APPLICANT NAME	1 . Ms. ANITA PRITAM 2 . Mr. BIBHU PRASAD GANTHIA 3 . Mr. MANAS RANJAN PADHI 4 . Mr. ASUTOSH PARIDA 5 . Mr. SIBASIS HARIHAR SAHU 6 . Ms. LIPIKA MISHRA
TITLE OF INVENTION	AN ECONOMICALLY LOW COST INTEGRATED MODEL FOR THE HYBRIDIZATION AND ELECTRIC TRANSFORMATION OF CARS AND ADDED MECHATRONIC VEHICLES
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	anitapritam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	anitapritam@gmail.com
E-MAIL (UPDATED Online)	
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Application Status



Innovation Patent

Patent no: 2021103371

Patentee(s): Shah, Vrushank DR of Electronics and Communication Department
Indus Institute of Technology and Engg. Ahmedabad Gujarat 382115
India
Arvindbhai Jani, Keyurbhai PROF of Gujarat Technological
University Ahmedabad Gujarat 382424 India
Kumar, Ashwani DR of Department of Pharmaceutical Sciences
Gurukul Kangri (Deemed to be University) Haridwar Uttarakhand
249404 India
Virmani, Tarun DR of School of Pharmaceutical Sciences MVN
University Palwal Haryana 121105 India
Das, Shiv DR of Zenith School of Management Bhubaneswar Odisha
760002 India
Behera, Debashree PROF of Mechanical Engineering Department
Centurion University of Tech. & Mgmt. Bhubaneswar Odisha 751009
India
Dahiya, Saurabh DR of DIPSAR (Govt. of NCT of Delhi) Sector 3
Pushp Vihar New Delhi 110017 India
Chadha, Hina PROF of Department of Pharmacy Vishveshwarya
Groups of Institution Greater Noida 203207 India
Raksha, . Prof of B S Anangpuria Institute of Pharmacy Alampur
Ballabgarh Faridabad 121004 India
Chaubey, Nirbhay DR of Department of Computer Science Ganpat
University Mehsana Gujarat 384012 India
Goel, Kapil of Department of Pharmaceutical Sciences Gurukul
Kangri(Deemed to Be University) Haridwar Uttarakhand 249404
India
Singhal, Peeush DR of Department of Pharmaceutical Sciences
Gurukula Kangri(Deemed to be University) Haridwar Uttarakhad
249404 India

Inventor(s): Dahiya, Saurabh
Chaubey, Nirbhay
Das, Shiv
Virmani, Tarun
Kumar, Ashwani
Arvindbhai Jani, Keyurbhai
Shah, Vrushank
Raksha
Chadha, Hina
Behera, Debashree
Singhal, Peeush
Goel, Kapil

Title: SOLAR ASSISTED IOT BASED AUTOMATIC VERTICAL
MEDICINAL PLANT CULTIVATION OF CRITICALLY
ENDANGERED PLANT NARDOSTACHYS JATAMANSI

Term: Eight years from 15 June 2021

Date Granted: 9 March 2022

This data is current as of 2019-08-20 18:00 AEST.

Note: If not stamped and signed, this is not a certified copy for the purposes of section 195 or 197 of the Patents Act.

Date Certified:
Date of Patent: 15 June 2021
Status: GRANTED
Expiry Date: 15 June 2029
Date Ceased:
Date Revoked:



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021103884

The Commissioner of Patents has granted the above patent on 23 March 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Asif Basha Shaik of 22 Glenroy Road Glenroy VIC 3046 Australia

Satyasis Mishra of Centurion University of Tech and Mgmt Bhubaneswar Odisha 751009 India

Sreelekha Panda of Research Scholar, Centurion University of Tech and Mangmnt Bhubaneswar Odisha India

Mihir Narayan Mohanty of SOA University Bhubaneswar Odisha India

Title of invention:

Epileptic Seizure Detection and Classification Using HOG feature based MSCA-ELM Model and Embedded Prototype Development

Name of inventor(s):

Mishra, Satyasis; Panda, Sreelekha; Mohanty, Mihir Narayan and Shaik, Asif Basha

Term of Patent:

Eight years from 6 July 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 23rd day of March 2022

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021103987

The Commissioner of Patents has granted the above patent on 6 April 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Kuldip Singh of Centurion University of Technology and, Management, Ramchandrapur, P.O. – Jatni, Bhubaneswar Dist: Khurda Odisha 752050 India

Satyasis Mishra of Centurion University of Technology and, Management, Ramchandrapur, P.O. – Jatni, Bhubaneswar Dist: Khurda Odisha 752050 India

Ramesh Chandra Mohanty of Centurion University of Technology and, Management, Ramchandrapur, P.O. – Jatni, Bhubaneswar Dist: Khurda Odisha 752050 India

Madhusmita Shial of Centurion University of Technology and, Management, Ramchandrapur, P.O. – Jatni, Bhubaneswar Dist: Khurda Odisha 752050 India

Susanta Kumar Biswal of Centurion University of Technology and, Management, Ramchandrapur, P.O. – Jatni, Bhubaneswar Dist: Khurda Odisha 752050 India

Title of invention:

A RPMS SYSTEM FOR POWER MANAGEMENT AND POWER QUALITY IMPROVEMENT OF ISOLATED HYBRID MICROGRID

Name of inventor(s):

Singh, Kuldip

Term of Patent:

Eight years from 8 July 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 6th day of April 2022

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021104634

The Commissioner of Patents has granted the above patent on 20 April 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Asif Basha Shaik of 22 Glenroy Road Glenroy VIC 3046 Australia

Satyasis Mishra of Centurion University of Tech and Mgmt Bhubaneswar Odisha 751009 India

Debendra Kumar Sahoo of Research Scholar, Centurion University of Tech and Mangmnt Bhubaneswar Odisha India

Davinder singh Rathee of Maharaja Agarsen University Baddi Himachal Pradesh India

Harish Kalla of Adama Science and Technology University Adama Ethiopia

Tiruvedula Gopikrishna of Adama Science and Technology University Adama Ethiopia

Mihir Narayan Mohanty of SOA University Bhubaneswar Odisha India

Pankaj Nagila of Maharaja Agarsen University, Baddi Baddi Himachal Pradesh India

Title of invention:

Prototype for Detection and Classification of Brain Tumor using CNN feature-based LLRBFNN Model

Name of inventor(s):

Mishra, Satyasis; Sahoo, Debendra Kumar; Rathee, Davinder singh; Kalla, Harish; Gopikrishna, Tiruvedula; Narayan Mohanty, Mihir; Nagila, Pankaj and Shaik, Asif Basha

Term of Patent:

Eight years from 27 July 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 20th day of April 2022

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241021062 A

(19) INDIA

(22) Date of filing of Application :08/04/2022

(43) Publication Date : 22/04/2022

(54) Title of the invention : Launching System and Method for Bridge Construction Using Pre-Stressed Structures

(51) International classification :E01D0021000000, E01D0021060000, E01D0015120000, E01D0019120000, E01D0101280000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :Tekkali Village, Nellimarla Mandal, Vizianagaram, Andhra Pradesh, India – 535003 -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. M.L.N.Acharyulu

Address of Applicant :# 1-67-27/1/1, Near Girijan Corporation Guest House, M.V.P.Colony, Visakhapatnam-530017, Andhra Pradesh, India -----

(57) Abstract :

ABSTRACT: Title: Launching System and Method for Bridge Construction Using Pre-Stressed structures The present disclosure proposes a launching system and method for bridge construction using pre-stressed structures. The launching system comprises plurality of pre-stressed structures 102, a bridge launching unit 104, and a bridge receiving unit 108. The proposed launching system and method provides an effective bridge construction in case of emergency with no heavy machinery and minimum labour. The proposed low-cost bridge construction aids in the fast restoration of traffic and causes less inconvenience to the public during emergencies. The proposed launching system for bridge construction method allows for faster bridge construction in case of emergency situations such as heavy floods or any incidents.

No. of Pages : 16 No. of Claims : 10



REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2021/10561

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect

from the **25th** day of **May 2022**



.....
Registrar of Patents

REPUBLIC OF SOUTH AFRICA

REGISTER OF PATENTS

PATENTS ACT, 1978

Official application No.		Lodging date: Provisional		Acceptance date	
21	01	2021/10561		22	
47	2022/03/30				
International classification		Lodging date: Complete		Granted date	
51	B09C		23	2021/12/17	
	2022/05/25				
71	Full name(s) of applicant(s)/Patentee(s):				
CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT Centurion University of Technology and Management-Odisha 752050, India					
71	Applicant substituted:			Date registered	
71	Assignee(s):			Date registered	
72	Full name(s) of inventor(s):				
SAHOO, Shraban Kumar PANIGRAHI, Gagan Kumar PRADHAN, Arun Kumar SAHOO, Annapurna SATAPATHY, Kunja Bihari DALBEHERA, Anuesha					
Priority claimed:		Country	Number	Date	
54	Title of invention				
A SYSTEM FOR SYNTHESIZING ZNO-ZNFE2O4 NANOPARTICLES AND INVESTIGATING THEIR ROLE IN THE WASTE WATER REMEDIATION					
Address of applicant(s)/patentee(s):					
Centurion University of Technology and Management-Odisha 752050 INDIA					
74	Address for service				
Wolmarans and Susan Inc. Corner of Barry Hertzog Avenue and Empire Road, Johannesburg, 2092 SOUTH AFRICA Reference No.					
61	Patent of addition No.			Date of any change	
Fresh application based on.			Date of any change		

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount
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HISTORY SHEET

Date entry made	Description
2021-12-20	Proof reading performed automatically
2021-12-20	Request for the acceptance of a Patent electronically filed on 17/12/2021, numbered 2021/10561
2022-03-30	Application accepted on 30/3/2022.
2022-05-24	Correction of clerical errors consisting of to correct the applicant address filed on 24/02/2022, by CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT.
2022-05-26	Patent advertised on 25-05-2022.
2022-05-26	Patent granted on 25-05-2022.



REPUBLIC OF SOUTH AFRICA



REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

in accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2021/10562

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony whereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 27th day of July 2022



A handwritten signature in black ink, consisting of stylized initials and a surname.

Registrar of Patents

REPUBLIC OF SOUTH AFRICA

REGISTER OF PATENTS

PATENTS ACT, 1978

Official application No.		Lodging date: Provisional		Acceptance date	
21	01	2021/10562		22	
47	2022/06/03				
International classification		Lodging date: Complete		Granted date	
51	C05B		23	2021/12/17	
	2022/07/27				
71	Full name(s) of applicant(s)/Patentee(s):				
CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT Centurion University of Technology and Management, Odisha, 752050, India					
71	Applicant substituted:			Date registered	
71	Assignee(s):			Date registered	
72	Full name(s) of inventor(s):				
PANIGRAHI, Gagan Kumar SAHOO, Shraban Kumar SAHOO, Annapurna ARUN KUMAR PRADHAN KUNJA BIHARI SATAPATHY ANUESHA DALBEHERA					
Priority claimed:		Country	Number	Date	
54	Title of invention				
A SYSTEM FOR ENHANCING PLANT IMMUNITY AND PLANT GROWTH BY USING FABRICATED ZNO-ZNFE2O4 NANOPARTICLES					
Address of applicant(s)/patentee(s):					
Centurion University of Technology and Management, Odisha, 752050 INDIA					
74	Address for service				
Wolmarans & Susan Inc. Corner of Barry Hertzog Avenue and Empire Road, Johannesburg, 2092 SOUTH AFRICA Reference No.					
61	Patent of addition No.			Date of any change	
Fresh application based on.			Date of any change		

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount
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HISTORY SHEET

Date entry made	Description
2021-12-20	Proof reading performed automatically
2021-12-20	Request for the acceptance of a Patent electronically filed on 17/12/2021, numbered 2021/10562
2022-06-03	Application accepted on 3/6/2022.
2022-06-21	Correction of clerical errors consisting of to add inventors filed on 03/06/2022, by CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT.
2022-07-28	Patent advertised on 27-07-2022.
2022-07-28	Patent granted on 27-07-2022.



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202231026515 A

(19) INDIA

(22) Date of filing of Application :07/05/2022

(43) Publication Date : 10/06/2022

(54) Title of the invention : Portable Photovoltaic Mounting Assembly for Agrivoltaics

(51) International classification :F24S0025120000, H02S0020100000, H02S0040220000, H02S0020300000, F24S0025000000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Centurion University of Technology & Management (CUTM)
Address of Applicant : At-Alluri Nagar, PO-R.Sitapur via-Uppalada, Parlakhemundi, Gajapati District, Odisha, India – 761211. -----
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Prof. Nimay Chandra Giri
Address of Applicant :Department of Electronics and Communication Engineering, Centurion University of Technology & Management (CUTM) Bhubaneswar, Odisha-752050 India -----
2)Dr. Ramesh Chandra Mohanty
Address of Applicant :Department of Mechanical Engineering, Centurion University of Technology & Management (CUTM) Bhubaneswar, Odisha-752050 India -----
3)Prof. Jagannath Padhi
Address of Applicant :Department of Electrical Engineering, Centurion University of Technology & Management (CUTM) Bhubaneswar, Odisha-752050 India -----

(57) Abstract :

ABSTRACT: Title: Portable Photovoltaic Mounting Assembly for Agrivoltaics The present disclosure proposes a portable and adjustable photovoltaic mounting assembly for agrivoltaics that enables mutual sharing of sunlight between farm and solar panels and thereby increases land productivity and revenue of farmers. The photovoltaic mounting assembly 100 comprises at least one solar panel 102, at least one mounting support 104, at least a pair of vertical support members, and plurality of ground support members 110. The usage of photovoltaic panels on the farm lands to enhance the socio-economic indicators such as Benefit-Cost Ratio (BCR), Payback Period (PBP), and Land Equivalent Ratio (LER) of the system. The adjustable photovoltaic mounting assembly provides sufficient amount of sunlight to transfer underneath the mounting assembly for better photosynthesis and food production.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202231039408 A

(19) INDIA

(22) Date of filing of Application :08/07/2022

(43) Publication Date : 29/07/2022

(54) Title of the invention : Polycentric Knee Joint for Improved Stability and Flexion

(51) International classification :A61F0002640000, A61F0002380000, A61F0002680000, A61F0005010000, A61F0002500000

(86) International Application No Filing Date :PCT// :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number Filing Date :NA :NA

(62) Divisional to Application Number Filing Date :NA :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi, Gajapati District, Odisha, India – 761211 Parlakhemundi -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Rajesh Kumar Mohanty

Address of Applicant :Ph.D.Scholar (Inter disciplinary) Centurion University of Technology and Management Bhubaneswar, Odisha, India. 752050 Bhubaneswar -----

2)Ramesh Chandra Mohanty

Address of Applicant :Ph.D.Professor, Department of Mechanical Engineering Centurion University of Technology and Management Bhubaneswar, Odisha, India. 752050 Bhubaneswar -

3)Sukanta Kumar Sabut

Address of Applicant :Ph.D., Associate Professor, School of Electronics Engineering, KIIT Deemed to be University, Bhubaneswar, Odisha, India - 751024 Bhubaneswar -----

(57) Abstract :

ABSTRACT: Title: Polycentric Knee Joint for Improved Stability and Flexion The present disclosure proposes a knee prosthesis designed with a polycentric four-bar linkage mechanism for enhanced knee stability and better swing clearance. The polycentric knee joint comprises a coupling unit, an upper knee unit 106, a lower knee unit 116, a linking means, and a bumper 114. The hinged joint motions of the upper knee unit and the lower knee unit enable kinematic forward and backward gliding movements. The movements limit the free swing of the knee with minimum resistance and help in better swing clearance. The polycentric knee joint is to manufacture a cost-effective knee prosthesis using simple mechanical components. Further, the proposed prosthesis knee joint design allows a low profile design to suit long transfemoral residual limbs.

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202131004379 A

(19) INDIA

(22) Date of filing of Application :01/02/2021

(43) Publication Date : 05/08/2022

(54) Title of the invention : SYNTHESIS OF AMINOCYANOPYRIDINES USING UREASE MIMETICS

(51) International classification	:H04N0005262000, C07F0015040000, C07F0005000000, H01L0051000000, C12N0009800000	(71)Name of Applicant : 1)Centurion University of Technology and Management (CUTM) Address of Applicant :At-Alluri Nagar, PO-R.Sitapur, Via- Uppalada, Gajapati District, Parlakhemundi-761211, Odisha, India. Orissa India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Bidyut Kumar Kundu
(33) Name of priority country	:NA	2)Suman Mukhopadhyay
(86) International Application No	:NA	3)Pragti
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure proposes a method of synthesis of aminocyanopyridines that utilizes two dinuclear nickel(II) complexes with mannich bases as primary ligand and acetate as co-ligand. The dinuclear nickel complexes are utilized to produce aminocyanopyridines in the one-pot synthesis that work as functional urease mimetic system. Further, the processing cost reduced by providing dinuclear complexes with enhanced thermal stability that aids the one-pot synthesis. The produced aminocyanopyridines can be utilized as an alternative for commercially available blue range dyes and cancer cells imaging. The synthesized aminocyanopyridines target some specific organelles inside the cell which can be further utilized for the development of organelle cell tracking.

No. of Pages : 22 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202231056036 A

(19) INDIA

(22) Date of filing of Application :29/09/2022

(43) Publication Date : 21/10/2022

(54) Title of the invention : 3-(2-Amino-5-hexylphenyl) Propanoic Acid for Treatment of Severe Acute Respiratory Syndrome (SARS) Coronavirus 2

(51) International classification :C07K0014005000, A61K0039000000, A61K0039215000, C12P0021000000, A61K0039120000

(86) International Application No Filing Date :PCT// :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number Filing Date :NA :NA

(62) Divisional to Application Number Filing Date :NA :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Gajapati District Parlakhemundi-761211, Odisha, India. Parlakhemundi -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Chinmaya Chidananda Behera

Address of Applicant :Lecturer, University Department of Pharmaceutical Sciences, Utkal University, Vani Vihar, Bhubaneswar-751004, Odisha, India. Bhubaneswar -----

2)Dr. Bhisma Narayan Ratha

Address of Applicant :Assistant Professor, SoABE, At-Alluri Nagar, PO-R.Sitapur Via Uppalada, Gajapati District, Parlakhemundi-761211, Odisha, India. Parlakhemundi -----

3)Dr. Sagar Kumar Mishra

Address of Applicant :Lecturer, University Department of Pharmaceutical Sciences, Utkal University, Vani Vihar, Bhubaneswar-751004, Odisha, India. Bhubaneswar -----

(57) Abstract :

ABSTRACT: Title: 3-(2-Amino-5-hexylphenyl) propanoic acid for Treatment of Severe Acute Respiratory Syndrome (SARS) Coronavirus 2 The present disclosure proposes 3-(2-Amino-5-hexylphenyl) propanoic acid for treatment of severe acute respiratory syndrome (SARS) Coronavirus. The formula (3) is 3-(2-Amino-5-hexylphenyl) propanoic acid that inhibit various SARS corona virus proteins. The 3-(2-Amino-5-hexylphenyl) propanoic acid is designed by using in silico Fragment based design. The proposed cost-effective anti-SARS compound provides minimal toxicity and high efficacy. The proposed anti-SARS compound inhibit many SARS Corona virus proteins like, Main Protease or 3CLpro, Papain Like Protease, nsp12-nsp7-nsp8 complex-RNA Dependent RNA Polymerase Complex of NSP7 with NSP8 –Primase, etc.

No. of Pages : 21 No. of Claims : 10



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202231062139
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	31/10/2022
APPLICANT NAME	1 . Dr.Ashish Kumar Sarangi 2 . Dr.Alok Ranjan Sahu 3 . Dr.Rudra Narayan Sahoo 4 . Dr.Bhabani Sankar Satapathy 5 . Dr.Ranjan Kumar Sahoo 6 . Mr.Durga Prasad Mishra 7 . Mr.Swarnajeet Tripathy 8 . Mrs.Binapani Barik 9 . Mr.Sanjib Kumar Naik 10 . Miss.Rasmita Dash
TITLE OF INVENTION	A SYSTEM PROVIDED WITH NEXT-GENERATION COMPUTING TECHNOLOGY FOR PRECISION MEDICINE AND METHOD THEREOF
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/11/2022



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202231062715
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/11/2022
APPLICANT NAME	1 . Dr.Ashish Kumar Sarangi 2 . Dr.Sushil Kumar Bhoi 3 . Mr.Jayanta Kumar Panigrahi 4 . Dr.Bikash Meher 5 . Dr.Asini Kumar Baliarsingh 6 . Mr.Nabin Kumar Naik
TITLE OF INVENTION	AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING-BASED SURVEILLANCE SYSTEMS TO MONITOR REAL TIME CROP GROWTH AND METHOD THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/11/2022



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202231023168
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/04/2022
APPLICANT NAME	1 . Dr. Ramesh Chandra Mohapatra 2 . Mr.Adiraj Behera 3 . Dr.Venkataramana Kandi 4 . Dr.Azaj Ansari 5 . Dr.Ashwani Kumar Sharma 6 . Dr.Taghreed Hashim Al-Noor 7 . Dr.Marei M. El-ajaily 8 . Dr. Khalil El-Hami 9 . Dr.Ashish Kumar Sarangi 10 . Dr. Ranjan Kumar Mohapatra
TITLE OF INVENTION	A MACHINE LEARNING BASED INTEGRATED IOT HEALTHCARE SYSTEM FOR CANCER CARE WITH WSN MODULES AND METHOD THEREOF
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	20/05/2022



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202231063326
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/11/2022
APPLICANT NAME	1 . Dr.Ashish Kumar Sarangi 2 . Dr.Prafulla Kumar Sahu 3 . Dr.Rudra Narayan Sahoo 4 . Dr.Bhabani Sankar Satapathy 5 . Dr.Alok Ranjan Sahu 6 . Dr.Kalpita Bhatta 7 . Mrs.Annanya Gangopadhyay 8 . Mr.Nageswar Panda 9 . Mr.Abhisek Sahu
TITLE OF INVENTION	AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED SYSTEM IN CULTIVATION OF MICROBIAL STRAINS AND METHOD THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/11/2022



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202231063516
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/11/2022
APPLICANT NAME	1 . Dr.Ashish Kumar Sarangi 2 . Dr.Bikash Meher 3 . Dr.Sushil Kumar Bhoi 4 . Dr.Deepa Das 5 . Mr.Nabin Kumar Naik 6 . Dr.Purnendu Mishra 7 . Mr.Alpesh Kumar Dauda 8 . Mr. Ashok Kumar Bhoi
TITLE OF INVENTION	AN IOT BASED IMAGE PROCESSING SYSTEM FOR MEDICAL APPLICATIONS
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/11/2022

(54) Title of the invention : Design And Construction of Prefabricated Skeleton Structures

(51) International classification :A61K0036750000, G01R0033563000, A61P0011060000, A61P0003100000, C07D0417040000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr. SSSV Gopala Raju
Address of Applicant :Professor, Department of Civil Engineering, Rajiv Gandhi University of Knowledge Technologies, Nuzvid campus, Andhra Pradesh – 521202 Nuzividu -----
2)Mr. Aashish.A.Gadgil
3)Dr. Saurav
4)Mr. Vaibhav Shivhare
5)Mr. Mayank Chauhan
6)Abinaya Ishwarya G K
7)Dr. Manik Deshmukh
8)Mr. Akash Sood
9)Mr. Krushna Chandra Sethi
10)Mr. Ankeshit Srivastava
11)Mr. L. Karthick
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. SSSV Gopala Raju
Address of Applicant :Professor, Department of Civil Engineering, Rajiv Gandhi University of Knowledge Technologies, Nuzvid campus, Andhra Pradesh – 521202 Nuzividu -----
2)Mr. Aashish.A.Gadgil
Address of Applicant :Assistant Professor, Department of Electronics & Communication, KLS Gogte Institute of Technology, Udyambag, Belagavi, Karnataka Belagavi -----
3)Dr. Saurav
Address of Applicant :Assistant Professor, Department of Civil Engineering, Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh -173234 Solan -----
4)Mr. Vaibhav Shivhare
Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Madhav Institute of Technology and Science, Racecourse Road, Gole ka mandir, Gwalior, Madhya Pradesh - 474005 Gwalior -----
5)Mr. Mayank Chauhan
Address of Applicant :Assistant Professor, Department of Civil Engineering, Dr. K.N Modi Institute of Engineering and Technology, Modinagar, Ghaziabad, Uttar Pradesh - 201204 Modinagar -----
6)Abinaya Ishwarya G K
Address of Applicant :Assistant Professor, Department of Civil Engineering, Vels Institute of Science Technology and Advanced Studies, Chennai Chennai -----
7)Dr. Manik Deshmukh
Address of Applicant :Associate Professor, Department of Civil Engineering, Sveri's College of Engineering, Pandharpur, Maharashtra - 413304 Pandharpur -----
8)Mr. Akash Sood
Address of Applicant :Research Scholar, Department of Chemical Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, District Sangrur, Punjab- 148106 Longowal -----
9)Mr. Krushna Chandra Sethi
Address of Applicant :Assistant Professor, Department of Civil Engineering, Centurion University of Technology and Management, Paralakhemundi, Odisha - 761211 Paralakhemundi -----
10)Mr. Ankeshit Srivastava
Address of Applicant :M.tech Student, Department of Civil Engineering, Institute of Engineering & Technology, Sitapur Road, Lucknow, Uttar Pradesh - 226021 Lucknow -----
11)Mr. L. Karthick
Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Hindusthan College of Engineering and Technology, Valley Campus, Pollachi Highway, Coimabtoe - 641032, Tamil Nadu Coimabtoe -----

(57) Abstract :
[05] The utility model features an assembled structure of a prefabricated steel-concrete shear wall, which belongs to the technical field of application of the shear wall mounted, and solves the problems of low structural strength of the existing shear wall, unstable anchoring of steel bars and shear wall failure in earthquakes. The technical points of the problem which is sometimes easy to fall apart are: including external shear wall mount plate, cast-in-place concrete wall, tension skeleton, internal shear wall mount plate and vertical reinforcement frame, plate Shear Shear Wall Mounting Plates and Shear Inner Wall Mounting Plates are fixed to the precast steel concrete shear wall by high strength screws; It is convenient to assemble the reinforced skeleton and ensure its stable structural strength, and then pour concrete to form a cast-in-place concrete wall; the inner and outer side walls The top fixed shear wall mount plate can accelerate the construction speed of precast steel concrete shear wall and improve the construction quality of steel concrete shear wall, greatly simplifying construction process, making assembly work easier and improving work efficiency. Accompanied Drawing [FIG. 1] [FIG. 2][FIG. 3] [FIG. 4]

No. of Pages : 19 No. of Claims : 4



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 Government of India

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Application Details

APPLICATION NUMBER	202241064085
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/11/2022
APPLICANT NAME	1 . Mr.Jitendra Debata 2 . Ms.Akula Rajitha 3 . Dr.Himansu Bhusan Samal 4 . Dr.Gyanranjan Mahalik 5 . Dr.Arun Kumar Mahato 6 . Dr.Nihar Ranjan Kar 7 . Dr.C.Nithya Shanthi 8 . Mr.Dhiraj Kumar 9 . Ms.Nigar Kadar Mujawar 10 . Ms.Ashwini Rajendra Suryawanshi
TITLE OF INVENTION	AN ARTIFICIAL INTELLIGENCE BASED 3D PRINTED MEDICINES FOR EFFECTIVE TREATMENT OF PATIENTS AND METHOD THEREOF
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/11/2022



Office of the Controller General of Patents, Designs & Trade Marks
 Department of Industrial Policy & Promotion,
 Ministry of Commerce & Industry,
 Government of India

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Application Details

APPLICATION NUMBER	202241065549
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/11/2022
APPLICANT NAME	1 . Dr. P. Pavitra 2 . Mrs. Madhavi M. N 3 . Dr. P. Srinivasan 4 . Dr. R. Thirumurthy 5 . Mr. G. Muthuboopathi 6 . Mr. Tapan Kumar Sahu 7 . Dr. Gyanranjan Mahalik 8 . Mrs. Itishree Jogamaya Das 9 . Mr. Madhusudana T. 10 . Dr. Himansu Bhusan Samal
TITLE OF INVENTION	Novel nano formulations-based drugs for enhanced bioavailability
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	03mrmanoj@gmail.com
ADDITIONAL-EMAIL (As Per Record)	03mrmanoj@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
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Application Status



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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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Application Details	
APPLICATION NUMBER	202241062660
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/11/2022
APPLICANT NAME	1 . Mr.N.Balasubramanian 2 . Ms.T.Preethi 3 . Dr. Mohammed Siddique 4 . Dr. Rajnish Choubey 5 . Dr Karuna nidhi Pandagre 6 . DR. JYOTI PRASAD PATRA 7 . MS. MAYURI SONI 8 . Mrs. Raksha vishwakarma 9 . Mrs Saba parveen 10 . Dr. V.Kannan 11 . Mr.J Logeshwaran
TITLE OF INVENTION	A secure routing protocol in opportunistic internet of things network using machine learning approach.
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	arinnapatent@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/11/2022

Application Status



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Ministry of Commerce & Industry,
Government of India

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Application Details	
APPLICATION NUMBER	202241065251
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/11/2022
APPLICANT NAME	1 . C. Padmavathy 2 . Dr Praveen Bhai Patel 3 . Mr Ramendra singh Niranjana 4 . Dr. Pasupuleti Subrahmanya Ranjit 5 . Dr. Mohammed Siddique 6 . Mr Bishnu Kant Shukla 7 . Mr. KANNADASAN B 8 . PARTHIBAN M 9 . Mr.J.Thirunavukarasu 10 . Mr Biresh Kumar 11 . Mr Pallab Banerjee 12 . Mr.J Logeshwaran
TITLE OF INVENTION	IOT based irrigation system using soil moisture sensor in agriculture field
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	arinnapatent@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/11/2022

Application Status



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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Application Details

APPLICATION NUMBER	202241062141
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/11/2022
APPLICANT NAME	1 . Mr Goli Raja Ramesh 2 . Dr. D. Baswaraj 3 . Madhavi Udaybhan Shamkuwar 4 . Dr K Sreerama Murthy 5 . Mrs. B.Subhashree 6 . Dr. Sasmita Kumari Nayak 7 . Ms.M.Seeni Syed Raviyathu Ammal 8 . Dr. SIVAKUMAR R 9 . Mr.J Logeshwaran 10 . Dr. V.Kannan
TITLE OF INVENTION	Automatic detection and classification of eye disease using convolution neural network and image processing
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	arinnapatent@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/11/2022

Application Status

(12) PATENT APPLICATION PUBLICATION

(21) Application No.20224101193 A

(19) INDIA

(22) Date of filing of Application :02/03/2022

(43) Publication Date : 11/03/2022

(54) Title of the invention : MACHINE LEARNING APPROACH TO ANALYZE THE POSITIVE TRAITS RELATED TO STOCK TRADING

(51) International classification :G06Q0040040000, G06K0009620000, G06N0020000000,
G06N0003080000, C12Q0001180000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)DR.GALI NAGESWARARAO

Address of Applicant :PROFESSOR, DEPARTMENT OF INFORMATION TECHNOLOGY, ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
TEKKALI, SRIKAKULAM 532201 -----

2)DR. KULDEEP AGNIHOTRI

3)DR YUVARAJ DURAISAMY

4)DR SHIPRA SHIVKUMAR YADAV

5)NAVEEN CHAKRAVARTHY SATTARU

6)DR BABLI DHIMAN

7)KAPALE NAMDEO DADA

8)MOHAN RAJU NESE

9)ANIL KUMAR BHUYAN

10)DR. ANAND SINGH RAJAWAT

11)DR.S.DEEPJOTHI

12)DIPAN KUMAR DAS

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)DR.GALI NAGESWARARAO

Address of Applicant :PROFESSOR, DEPARTMENT OF INFORMATION TECHNOLOGY,
ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT TEKKALI,
SRIKAKULAM 532201 -----

2)DR. KULDEEP AGNIHOTRI

Address of Applicant :ASSOCIATE PROFESSOR & HOD (DEPARTMENT OF
MANAGEMENT), MODERN INSTITUTE OF PROFESSIONAL STUDIES, INDORE -----

3)DR YUVARAJ DURAISAMY

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER
SCIENCE,CIHAN UNIVERSITY - DUHOK, KURDISTAN REGION,IRAQ -----

4)DR SHIPRA SHIVKUMAR YADAV

Address of Applicant :RESEARCHER/ COMPUTER SCIENCE/ INTER INSTITUTIONAL
COMPUTER CENTRE/440023/ -----

5)NAVEEN CHAKRAVARTHY SATTARU

Address of Applicant :PHD SCHOLAR, LOVELY PROFESSIONAL UNIVERSITY, 144402

6)DR BABLI DHIMAN

Address of Applicant :PROFESSOR, LOVELY PROFESSIONAL UNIVERSITY, 144402 ----

7)KAPALE NAMDEO DADA

Address of Applicant :ASSISTANT PROFESSOR,ECE DEPARTMENT,SANJIVANI
COLLEGE OF ENGINEERING, KOPARGAON 423603 -----

8)MOHAN RAJU NESE

Address of Applicant :ASSISTANT PROFESSOR, ECE DEPT. , RAJIV GANDHI
UNIVERSITY OF KNOWLEDGE TECHNOLOGIES, YSR KADAPA, 516330. -----

9)ANIL KUMAR BHUYAN

Address of Applicant :RESEARCH SCHOLAR, SCHOOL OF MANAGEMENT, BIRLA
GLOBAL UNIVERSITY BHUBANESWAR -----

10)DR. ANAND SINGH RAJAWAT

Address of Applicant :ASSOCIATE PROFESSOR , SCHOOL OF COMPUTER SCIENCE &
ENGINEERING , SANDIP UNIVIESITY , NASHIK , MAHARSHTRA , INDIA -442213 ----

11)DR.S.DEEPJOTHI

Address of Applicant :ASSOCIATE PROFESSOR, CSE DEPARTMENT, NAGARJUNA
COLLEGE OF ENGINEERING AND TECHNOLOGY, BANGALORE -562110 -----

12)DIPAN KUMAR DAS

Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND
MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR,
761211 -----

(57) Abstract :

Machine learning approach to analyse the positive traits related to stock trading is the proposed invention. The invention focuses on studying the positive aspects of stock trading since they have many negative attributes as well. The proposed invention trains a machine learning model and implements the invention using algorithms of classification and prediction.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211010470 A

(19) INDIA

(22) Date of filing of Application :27/02/2022

(43) Publication Date : 11/03/2022

(54) Title of the invention : IN SILICO BASED STUDY TO PREDICT AND ANALYSE DRUG MOLECULES FOR TARGETING CANCEROUS CELLS

(51) International classification :A61K0039395000, A61K0047600000, G16B0015000000,
A61K0009127000, A61K0031470900
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DR SURENDRA KUMAR YADAV
Address of Applicant :VICE PRESIDENT, SOCIETY FOR ENVIRONMENT AND SUSTAINABLE DEVELOPMENT, NEW DELHI, INDIA. -----
2)DIPAN KUMAR DAS
3)DEEPAK KASHYAP
4)RANJIT KUMAR PUSE
5)THORAT SUKDEO KISAN
6)MUKUND SALUNKE SALUNKE
7)ROHIT CHANDRAKANT MUTHE
8)DR. MITHUN BHOWMICK
9)DR. GAVHANE VRUSHALI SOMANATH
10)DR. P. SELVAKUMAR
11)DR SONU MISHRA
12)DR VIRENDRA GOMASE
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)DR SURENDRA KUMAR YADAV
Address of Applicant :VICE PRESIDENT, SOCIETY FOR ENVIRONMENT AND SUSTAINABLE DEVELOPMENT, NEW DELHI, INDIA. -----
2)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR,CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR, 761211 ----
3)DEEPAK KASHYAP
Address of Applicant :ASSISTANT PROFESSOR, SANJIVANI INSTITUTE OF PHARMACY, BELTUKARI, GANIYARI, BILASPUR - 495112, CHHATTISGARH, INDIA
4)RANJIT KUMAR PUSE
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICAL SCIENCE-CHEMISTRY,RABINDRANATH TAGORE UNIVERSITY,BHOPAL,464993 ----
5)THORAT SUKDEO KISAN
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS,ADV. M.N. DESHMUKH COLLEGE RAJUR 422604, -----
6)MUKUND SALUNKE SALUNKE
Address of Applicant :ASSOCIATES PROFESSOR,DEPARTMENT OF CHEMISTRY,ADV.M.N.DESHMUKH ART'S SCIENCE AND COMMERCE COLLEGE RAJUR TAL- -AKOLE DIST-AHMEDNAGAR 422604 -----
7)ROHIT CHANDRAKANT MUTHE
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, ADV. M. N. DESHMUKH ARTS, SCIENCE AND COMMERCE COLLEGE RAJUR, TAL- AKOLE, DIST-AHMEDNAGAR, PIN-422604 -----
8)DR. MITHUN BHOWMICK
Address of Applicant :PRINCIPAL & PROFESSOR, BENGAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH, DURGAPUR (WB) - 713212 -----
9)DR. GAVHANE VRUSHALI SOMANATH
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, R.B.ATTAL ARTS, SCIENCE AND COMMERCE COLLEGE, GEORAI, DIST BEED (431127) -----
10)DR. P. SELVAKUMAR
Address of Applicant :DR. P. SELVAKUMAR, ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, DHAANISH AHMED INSTITUTE OF TECHNOLOGY, COIMBATORE, TAMILNADU, INDIA. PIN-641105 -----
11)DR SONU MISHRA
Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, MEWAR UNIVERSITY, GANGARAR CHITTORGARH, RAJASTHAN, PIN-312901 -----
12)DR VIRENDRA GOMASE
Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, MEWAR UNIVERSITY, GANGARAR CHITTORGARH, RAJASTHAN, PIN-312901 -----

(57) Abstract :

In silico-based study to predict and analyses drug molecules for targeting cancerous cells is the proposed invention. The proposed invention aims at implementing in silico technique to study the targeting of drug molecules through which therapeutic treatment will be successful. The proposed invention will revolutionize the drug delivery system.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211013212 A

(19) INDIA

(22) Date of filing of Application :11/03/2022

(43) Publication Date : 18/03/2022

(54) Title of the invention : MACHINE LEARNING BASED MODEL TO PREDICT THE CHARACTERISTICS OF NEXT GENERATION BASED ON DNA SEQUENCES

(51) International classification :G06N002000000, G06N0003080000, G05B0013040000, G16B003000000, G06N0005000000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DR. SURENDRA KUMAR YADAV
Address of Applicant :ADVOCATE & SCIENTIFIC CONSULTANT, 37, OLD ROshan PURA EXTENSION, A-BLOCK, NAJAFGARH, NEW DELHI-110043, INDIA. -----
2)DR. MOHD. SHAIKHUL ASHRAF
3)MR. GOURI SANKAR NAYAK
4)DR.S.VIJAYARANGAM
5)PROF. RESHAM BHALLA
6)M.SAMPATH PREMKUMAR
7)DR. SAMEERA SIDDIQUI
8)SUJITHRA L R
9)DR. K. MANOHARAN
10)VENKATESH.S
11)DR. S. SARAVANAN
12)DIPAN KUMAR DAS
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)DR. SURENDRA KUMAR YADAV
Address of Applicant :ADVOCATE & SCIENTIFIC CONSULTANT, 37, OLD ROshan PURA EXTENSION, A-BLOCK, NAJAFGARH, NEW DELHI-110043, INDIA. -----
2)DR. MOHD. SHAIKHUL ASHRAF
Address of Applicant :DEPARTMENT OF BOTANY, HKM GOVT. DEGREE COLLEGE BANDIPORA, KASHMIR -----
3)MR. GOURI SANKAR NAYAK
Address of Applicant :ASSISTANT PROFESSOR ,DEPT- CSE/IT, VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY, VISAKHAPATNAM, 530049, ANDHRA PRADESH -----
4)DR.S.VIJAYARANGAM
Address of Applicant :ASSOCIATE PROFESSOR / COMPUTER SCIENCE AND ENGINEERING, SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY, SHERIGUDA, IBRAHIMPATNAM, RENGAREDDY DIST, HYDERABAD, 501510 -----
5)PROF. RESHAM BHALLA
Address of Applicant :LOKNETE VYANKATRAO HIRAY ARTS SCIENCE AND COMMERCE COLLEGE PANCHAVATI NASHIK -----
6)M.SAMPATH PREMKUMAR
Address of Applicant :ASST.PROFESSOR, DEPARTMENT OF COMPUTER APPLICATIONS, BISHOP THORP COLLEGE, DHARAPURAM, 638657 -----
7)DR. SAMEERA SIDDIQUI
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY, SFS COLLEGE, NAGPUR -----
8)SUJITHRA L R
Address of Applicant :ASSISTANT PROFESSOR/ DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, DR.N.G.P.INSTITUTE OF TECHNOLOGY,COIMBATORE-641048 -----
9)DR. K. MANOHARAN
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF BME, SNS COLLEGE OF TECHNOLOGY, SARAVANAMPATTI, COIMBATORE, TAMILNADU- 641035 -----
10)VENKATESH.S
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CSE, NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE -----
11)DR. S. SARAVANAN
Address of Applicant :ASSISTANT PROFESSOR & RESEARCH GUIDE, PG AND RESEARCH DEPARTMENT OF COMMERCE, DR AMBEDKAR GOVERNMENT ARTS COLLEGE(AFFILIATED TO UNIVERSITY OF MADRAS), VVASARPADI, CHENNAI-39 -----
12)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211 -----

(57) Abstract :
Machine learning based model to predict the characteristics of next generation based on DNA sequences is the proposed invention. The invention focuses on identifying the traits of DNA sequences that will be passed over to the next generation. The proposed invention will also help to predict the various aspects regarding health aspects can be analysed using machine learning approach.

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
 (19) INDIA
 (22) Date of filing of Application :12/03/2022

(21) Application No.202241013549 A
 (43) Publication Date : 25/03/2022

(54) Title of the invention : DESIGNING A ROBOT WITH DIELECTRIC MATERIAL TO WORK IN HIGH VOLTAGE ELECTRIC ENVIRONMENT

(51) International classification :B25J0009160000, B25J0019000000, B25J0011000000, G05B0013040000, B25J0005020000
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No :NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)DEEPAK GOWDA .L
 Address of Applicant :DESIGN & PROJECT ENGINEER, PANASONIC INDIA PVT. LTD. DIVYASHREE CHAMBERS- GLOBAL TECH PARK, LANGFORD ROAD, MG ROAD, BANGALORE -560025. -----
2)M.M.JEGAN
3)B.SURESH KUMAR
4)AMRUT S. LANJE
5)JOBY SEBASTIAN
6)DR P JOEL JOSEPHSON
7)BERLIN BENO T L
8)DR.ABINA SHINY R S
9)DR.D.SELVARAJ
10)MR. SANJAY LAXMANRAO GAIKWAD
11)DIPAN KUMAR DAS
12)DR. U. PAVAN KUMAR
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)DEEPAK GOWDA .L
 Address of Applicant :DESIGN & PROJECT ENGINEER, PANASONIC INDIA PVT. LTD. DIVYASHREE CHAMBERS- GLOBAL TECH PARK, LANGFORD ROAD, MG ROAD, BANGALORE -560025. -----
2)M.M.JEGAN
 Address of Applicant :M.M.JEGAN,ASSISTANT PROFESSOR, DEPARTMENT OF MECHATRONICS ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, VALLEY CAMPUS POLLACHI HIGHWAY, PIN 641032 -----
3)B.SURESH KUMAR
 Address of Applicant :ASSOCIATE PROFESSOR, CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY,HYDERABAD,PIN-500075 -----
4)AMRUT S. LANJE
 Address of Applicant :PROFESSOR AND HEAD, DEPARTMENT OF ELECTRONICS, DR. AMBEDKAR COLLEGE OF ARTS, COMMERCE & SCIENCE, CHANDRAPUR - 442401 (M. S.) -----
5)JOBY SEBASTIAN
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, ST. THOMAS' COLLEGE (AUTONOMOUS), THRISSUR, KERALA, PIN-680001 -----
6)DR P JOEL JOSEPHSON
 Address of Applicant :PROFESSOR/ECE ST MARTIN'S ENGINEERING COLLEGE, SECUNDERABAD, 500100 -----
7)BERLIN BENO T L
 Address of Applicant :RESEARCH SCHOLAR, ANNAI VELANKANNI COLLEGE THOLAYAVATTAM KANYAKUMARI 629157 -----
8)DR.ABINA SHINY R S
 Address of Applicant :ASSISTANT PROFESSOR,PHYSICS DEPARTMENT,BETHLAHEM INSTTITUE OF ENGINEERING,KARUNGAL,629157 -----
9)DR.D.SELVARAJ
 Address of Applicant :PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, PANIMALAR ENGINEERING COLLEGE, CHENNAI-600123 -----
10)MR. SANJAY LAXMANRAO GAIKWAD
 Address of Applicant :ASSISTANT PROFESSOR (HEAD), MAHATMA PHULE ARTS SCIENCE AND COMMERCE COLLEGE PANVEL DIST RAIGAD -----
11)DIPAN KUMAR DAS
 Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211 -----
12)DR. U. PAVAN KUMAR
 Address of Applicant :ASSOCIATE PROFESSOR, ECE, RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS, ONGOLE-523272 -----

(57) Abstract :
 Designing a robot with dielectric material to work in high voltage electric environment is the proposed invention. The invention focuses on designing a robot that can replace humans who work in cautions and dangerous environments. The proposed invention will revolutionize the working model of electricity board by implementing robots to their work.

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211013548 A

(19) INDIA

(22) Date of filing of Application :12/03/2022

(43) Publication Date : 01/04/2022

(54) Title of the invention : NANO ELECTRONICS BASED SOLAR CELLS FOR EFFICIENT PERFORMANCE OF ABSORPTION OF SOLAR ENERGY

(51) International classification :H01L0031054000, H02J0007350000, H01L0051420000,
H01L0031023600, C02F0001140000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No :NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DR. SURENDRA KUMAR YADAV
Address of Applicant :ADVOCATE & SCIENTIFIC CONSULTANT, 37, OLD ROSHAN PURA EXTENSION, A-BLOCK, NAJAFGARH, NEW DELHI-110043, INDIA. -----

2)MR.ROHIT SRIVASTAVA
3)SARVANI JOWHAR KHANAM
4)DR. P LAKSHMANAN
5)DR. V V SATYANARAYANA RAO, R
6)DR. J. KARTIGEYAN
7)DR VADDI RAMESH
8)DR P JOEL JOSEPHSON
9)DR. K. S. THIVYA
10)DR.P. SELVAKUMAR
11)DIPAN KUMAR DAS
12)SONU KUMAR
Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)DR. SURENDRA KUMAR YADAV
Address of Applicant :ADVOCATE & SCIENTIFIC CONSULTANT, 37, OLD ROSHAN PURA EXTENSION, A-BLOCK, NAJAFGARH, NEW DELHI-110043, INDIA. -----

2)MR.ROHIT SRIVASTAVA
Address of Applicant :CHEMISTRY DEPARTMENT, ST ANDREWS COLLEGE, GORAKHPUR -----
3)SARVANI JOWHAR KHANAM
Address of Applicant :RESEARCH SCHOLAR, SCHOOL OF CHEMISTRY, UNIVERSITY OF HYDERABAD, HYDERABAD-500046 -----
4)DR. P LAKSHMANAN
Address of Applicant :PROFESSOR & HEAD, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPETA, PIN-522601 -----
5)DR. V V SATYANARAYANA RAO, R
Address of Applicant :PROFESSOR & HEAD, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRI SARATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, NUZZVID, PIN-521201 -----
6)DR. J. KARTIGEYAN
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF EEE, J. B. INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD - 500 075. -----

7)DR VADDI RAMESH
Address of Applicant :ASSOCIATE PROFESSOR, DEAN RESEARCH & DEVELOPMENT, ELECTRICAL AND ELECTRONICS ENGINEERING, GOLDEN VALLEY INTEGRATED CAMPUS, NH-205, ANGALLU, MADANAPALLE, PIN--517326. -----
8)DR P JOEL JOSEPHSON
Address of Applicant :PROFESSOR, DEPT OF ECE, ST MARTIN'S ENGINEERING COLLEGE, DHULAPALLY, SECUNDERABAD -----
9)DR. K. S. THIVYA
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING,DR.MGR.EDUCATIONAL AND RESEARCH INSTITUTE, CHENNAI -95 -----
10)DR.P. SELVAKUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, DHAANISH AHMED INSTITUTE OF TECHNOLOGY, K.G. CHAVADI, COIMBATORE 641105, TAMILNADU, INDIA -----
11)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211 -----
12)SONU KUMAR
Address of Applicant :NATIONAL LEVEL COORDINATOR, SPEAK OUT, IGNITE, BIHUMI, CHENNAI, TAMIL NADU-600016 -----

(57) Abstract :
Nano electronics based solar cells for efficient performance of absorption of solar energy is the proposed invention. The invention focuses on utilizing the nano electronics technology to be integrated with solar cells. This concept will utilize the solar energy to the maximum by increasing the absorption capacity of solar cells.

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202231011883 A

(19) INDIA

(22) Date of filing of Application :04/03/2022

(43) Publication Date : 08/04/2022

(54) Title of the invention : NOVEL COMPRESSIVE SENSING TECHNIQUE TO RETRIEVE THE IMAGES OR VIDEOS OF MULTI MODALITIES FOR ANALYZING LUNG CANCER

(51) International classification :G06K0009620000, G06N0003040000, G01R0033560000, G06T0007330000, G01R0033480000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)MR. DIPAK NATH

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, SAO CHANG COLLEGE, TUENSANG, NAGALAND, 798612.

2)MR. BASTIN ROGERS C

3)K.GAYATHRI DEVI

4)DR T. JOBY TITUS

5)DR B RAJESH KUMAR

6)DIPAN KUMAR DAS

7)DR SANJUKTA BANERJEE

8)DR.K.S.THIVYA

9)DR. S. SARAVANAN

10)DR. VAIBHAV PANDURANG SONAJE

11)DR SONU MISHRA

12)DR VIRENDRA GOMASE

(72)Name of Inventor :

1)MR. DIPAK NATH

2)MR. BASTIN ROGERS C

3)K.GAYATHRI DEVI

4)DR T. JOBY TITUS

5)DR B RAJESH KUMAR

6)DIPAN KUMAR DAS

7)DR SANJUKTA BANERJEE

8)DR.K.S.THIVYA

9)DR. S. SARAVANAN

10)DR. VAIBHAV PANDURANG SONAJE

11)DR SONU MISHRA

12)DR VIRENDRA GOMASE

(57) Abstract :

Novel compressive sensing technique to retrieve the images or videos of multi modalities or analysing lung cancer is the proposed invention. The proposed invention focuses on analysing the images that are captured using modalities such as MRI, CT, PET etc. These images are used by deep learning algorithms to find the exact condition of lung cancer and paving way for therapeutic treatment.

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/03/2022

(21) Application No.202231012165 A

(43) Publication Date : 15/04/2022

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED TECHNIQUES TO SEGMENT THE IMAGES CAPTURED USING MULTIPLE MODALITIES FOR DEEPER ANALYSIS OF STAGES OF LUNG CANCER

(51) International classification :G01N0033000000, G06K0009620000, G06N0003040000, G06N0005020000, G01R0033560000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)MR. DIPAK NATH

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, SAO CHANG COLLEGE, TUENSANG, NAGALAND, 798612.

2)MR. BASTIN ROGERS C

3)K.GAYATHRI DEVI

4)DR T. JOBY TITUS

5)DR B RAJESH KUMAR

6)DIPAN KUMAR DAS

7)DR SANJUKTA BANERJEE

8)DR.K.S.THIVYA

9)DR. S. SARAVANAN

10)DR. VAIBHAV PANDURANG SONAJE

11)DR SONU MISHRA

12)DR VIRENDRA GOMASE

(72)Name of Inventor :

1)MR. DIPAK NATH

2)MR. BASTIN ROGERS C

3)K.GAYATHRI DEVI

4)DR T. JOBY TITUS

5)DR B RAJESH KUMAR

6)DIPAN KUMAR DAS

7)DR SANJUKTA BANERJEE

8)DR.K.S.THIVYA

9)DR. S. SARAVANAN

10)DR. VAIBHAV PANDURANG SONAJE

11)DR SONU MISHRA

12)DR VIRENDRA GOMASE

(57) Abstract :

Artificial intelligence based techniques to segment the images captured using multiple modalities for deeper analysis of stages of lung cancer the proposed invention. The proposed invention aims at analysing the exact stage of cancer so that the concept of therapeutic treatment can be accomplished. The invention implements artificial intelligence to the images for automated detection and suggestions to health care professionals.

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
 (19) INDIA
 (22) Date of filing of Application :09/03/2022

(21) Application No.20221012862 A
 (43) Publication Date : 29/04/2022

(54) Title of the invention : SMART DIELECTRIC SYSTEM TO PROTECT THE HUMANS WORKING ON ELECTRIC POLES

(51) International classification :A61K0039395000, H01H003366000, G06Q0020400000, G06F0021000000,
 H01Q0013240000
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No :NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)DR.SAMBHAJI MAHIPATI KALE
 Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY AND RESEARCH CENTER, NEW ARTS (COMMERCE AND SCIENCE COLLEGE, PARNER, DIST. AHMEDNAGAR, 414302.
2)DR. J. KARTIGEYAN
3)MR.GIRIBABU KATTA
4)ASHUTOSH MISHRA
5)DR.SAROJ SHANKAR HOLE
6)DHANANJAY SHANKAR HOLE
7)DIPAN KUMAR DAS
8)DIGVIJAY SHANKAR HOLE
9)MR. SANJAY LAXMANRAO GAIKWAD
10)DR. S. SARAVANAN
11)VENKATESH
12)MADAN MOHAN M
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)DR.SAMBHAJI MAHIPATI KALE
 Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY AND RESEARCH CENTER, NEW ARTS (COMMERCE AND SCIENCE COLLEGE, PARNER, DIST. AHMEDNAGAR, 414302.
2)DR. J. KARTIGEYAN
 Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF EEE, J. B. INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD - 500 075.
3)MR.GIRIBABU KATTA
 Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF EEE, J.B INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD-500075.
4)ASHUTOSH MISHRA
 Address of Applicant : LECTURER, NMDC DAV POLYTECHNIC, DANTELWADA, 494441.
5)DR.SAROJ SHANKAR HOLE
 Address of Applicant : ASSIGNMENT PROFESSOR, DEPARTMENT OF ELECTRONICS, PES MODERN COLLEGE OF ARTS, SCIENCE AND COMMERCE, GANESHKHIND, PUNE 411016.
6)DHANANJAY SHANKAR HOLE
 Address of Applicant : SUPERVISOR ENGINEER, WATER TREATMENT PLANT, AT PC MC, PUNE, 411043.
7)DIPAN KUMAR DAS
 Address of Applicant : CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211.
8)DIGVIJAY SHANKAR HOLE
 Address of Applicant : PUNE SMART CITY PROJECT, JUNIOR SUPERVISOR ENGINEER, PUNE CITY, PASHAN ROAD NEAR PUNE UNIVERSITY, PINCODE 411016.
9)MR. SANJAY LAXMANRAO GAIKWAD
 Address of Applicant : ASSISTANT PROFESSOR (HEAD), DEPARTMENT OF PHYSICS, MAHATMA PHULE ARTS SCIENCE AND COMMERCE COLLEGE PANVEL, DIST RAIGAD,
10)DR. S. SARAVANAN
 Address of Applicant : ASSISTANT PROFESSOR & RESEARCH GUIDE, PG AND RESEARCH DEPARTMENT OF COMMERCE, DR. AMBEDKAR GOVERNMENT ARTS COLLEGE, VV ASARPADI, CHENNAI-39.
11)VENKATESH
 Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF CSE, NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE.
12)MADAN MOHAN M
 Address of Applicant : ASSISTANT PROFESSOR, CSE, NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE, 641105.

(57) Abstract :
 Smart dielectric system to protect the humans working on electric poles is the proposed invention. The proposed invention aims at providing a smart system with dielectric material. The invention will protect the humans working with electric poles or any electric appliance for that matter will be protected with a blanket of dielectric material.

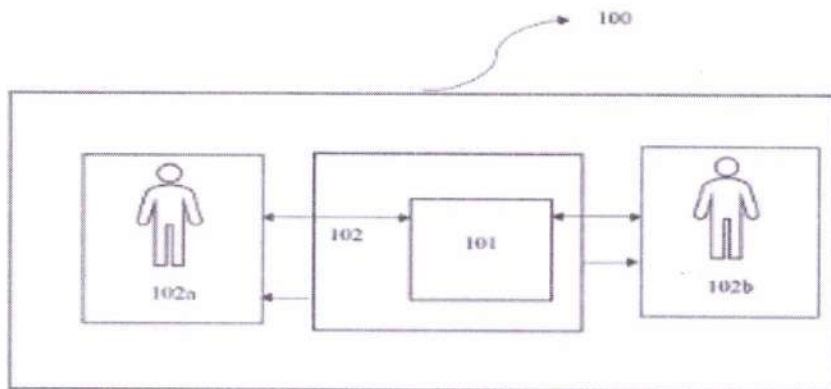


Figure 1: Schematic view

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221011890 A

(19) INDIA

(22) Date of filing of Application :04/03/2022

(43) Publication Date : 20/05/2022

(54) Title of the invention : MACHINE LEARNING BASED APPROACH TO ANALYZE THE TRAITS OF DNA FOR FORENSIC INVESTIGATION

(51) International classification :G06N002000000, C12Q0001687600, G06N0005000000, C12Q0001688800, G06T0007000000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71) Name of Applicant :
1)DR. SUDHIN CHANDRAKANT DALAVE
Address of Applicant :ASSISTANT PROFESSOR IN BOTANY, DEPARTMENT OF BOTANY, SNJBS KKHA ARTS SMGL COMMERCE AND SPU SCIENCE COLLEGE CHANDWAD DIST-NASHIK -----
2)ABHISHEK SHARMA PADMANABHAN
3)ANANTA SAMPAT AMBHORE
4)DR MD ILYAS
5)DR.V INDHUMATHI
6)R. SHREESH GUPTA
7)DIPAN KUMAR DAS
8)G APARNA
9)MS. SHARMILA PRAKASH ZOPE
10)DR. PURUSHOTTAM R. PATIL
11)DR SONU MISHRA
12)DR VIRENDRA GOMASE
Name of Applicant : NA
Address of Applicant : NA

(72) Name of Inventor :
1)DR. SUDHIN CHANDRAKANT DALAVE
Address of Applicant :ASSISTANT PROFESSOR IN BOTANY, DEPARTMENT OF BOTANY, SNJBS KKHA ARTS SMGL COMMERCE AND SPU SCIENCE COLLEGE CHANDWAD DIST-NASHIK -----
2)ABHISHEK SHARMA PADMANABHAN
Address of Applicant :ASSISTANT PROFESSOR OF LAW, SCHOOL OF LAW, CHRIST (DEEMED TO BE UNIVERSITY) -----
3)ANANTA SAMPAT AMBHORE
Address of Applicant :RESEARCH SCHOLAR, DEPT OF ZOOLOGY DR.BHABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD (M.S) -----
4)DR MD ILYAS
Address of Applicant :ASSISTANT PROFESSOR / DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, PRESTIGE INSTITUTE OF ENGINEERING MANAGEMENT & RESEARCH, INDORE, 452010 -----
5)DR.V INDHUMATHI
Address of Applicant :ASSISTANT PROFESSOR COMPUTER SCIENCE AND APPLICATIONS, VIVEKANANDHA ARTS AND SCIENCE COLLEGE FOR WOMEN, SANKARI-637 303 -----
6)R. SHREESH GUPTA
Address of Applicant :BUSINESS DEVELOPMENT MANAGER, WDC APSILATE PHARMA LLP, LANE NO. 8, NEAR SHIV MANDIR, KANDOLI DEHRADUN -248001 (UTTARAKHAND) -----
7)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211 -----
8)G APARNA
Address of Applicant :ASSISTANT PROFESSOR, GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY, ECE DEPARTMENT, CHEBYAL, HYDERABAD -----
9)MS. SHARMILA PRAKASH ZOPE
Address of Applicant :ASSISTANT PROFESSOR SCHOOL OF COMPUTER SCIENCE AND ENGINEERING, SANDIP UNIVERSITY, NASHIK, 412213 -----
10)DR. PURUSHOTTAM R. PATIL
Address of Applicant :ASSOCIATE PROFESSOR, SCHOOL OF COMPUTER SCIENCE AND ENGINEERING, SANDIP UNIVERSITY NASHIK -422213 -----
11)DR SONU MISHRA
Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, MEWAR UNIVERSITY, GANGARAR CHITTORGARH, RAJASTHAN, PIN-312901 -----
12)DR VIRENDRA GOMASE
Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, MEWAR UNIVERSITY, GANGARAR CHITTORGARH, RAJASTHAN, PIN-312901 -----

(57) Abstract :

Machine learning based approach to analyse the traits of DNA for forensic investigation is the proposed invention. The invention aims at designing and implementing a machine learning based framework for analysing the traits of a DNA collected by forensic professionals. The invention will give a newer light and aspect to the way of analysing the DNA traits and the characteristics.

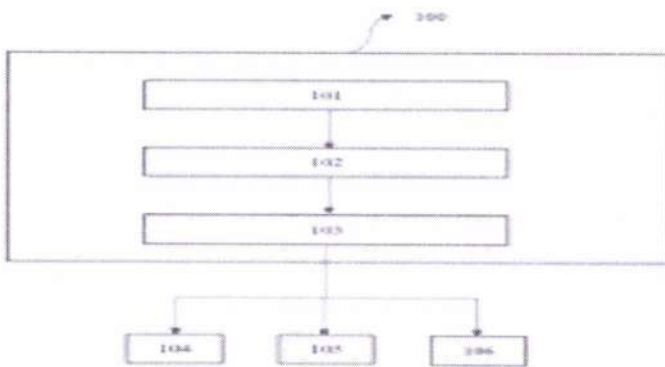


Figure 1: Block Diagram

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221011870 A

(19) INDIA

(22) Date of filing of Application :04/03/2022

(43) Publication Date : 20/05/2022

(54) Title of the invention : MACHINE LEARNING BASED APPROACH TO ANALYZE THE PROSOCIAL BEHAVIOUR OF COLLEAGUES OF E-COMMERCE SITE

(51) International classification :G06Q0010060000, G06N0020000000, G06K0009000000, A61K0039395000, G06K0009620000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

(71) Name of Applicant :
 1)DR. PANKAJ BALWANTRAO CHAUDHARI
 Address of Applicant: ASSISTANT PROFESSOR, SCHOOL OF ALLIED SCIENCES, DATTATRI MISHRA INSTITUTE OF MEDICAL SCIENCES, DEEMED TO BE UNIVERSITY, WARDHA, MAHARASHTRA, INDIA-442001

2)DR. ROOP RAJ
 3)DR. KULDEEP AGNIHOTRI
 4)DR. KIRAN KUMAR ROTTE
 5)DR. LAKSHMIPATHI ANANTHA
 6)DR. SACHIN VASANT CHAUDHARI
 7)DR. PANKAJ KUMAR DAS
 8)DR. VIKRAMPAN
 9)DR. A.DURAIKANNAN
 10)DR. SELVARAJ
 11)DR. AMIT GAIKWAD
 12)DR. S. SARAVASAN
 Name of Applicant : NA
 Address of Applicant : NA

(72) Name of Inventor(s) :
 1)DR. PANKAJ BALWANTRAO CHAUDHARI
 Address of Applicant: ASSISTANT PROFESSOR, SCHOOL OF ALLIED SCIENCES, DATTATRI MISHRA INSTITUTE OF MEDICAL SCIENCES, DEEMED TO BE UNIVERSITY, WARDHA, MAHARASHTRA, INDIA-442001

2)DR. ROOP RAJ
 Address of Applicant: LECTURER IN ECONOMICS, GOVERNMENT OF HARYANA, INDIA

3)DR. KULDEEP AGNIHOTRI
 Address of Applicant: ASSISTANT PROFESSOR & HOD (DEPARTMENT OF MANAGEMENT), MODERN INSTITUTE OF PROFESSIONAL STUDIES, PUNJAB

4)DR. KIRAN KUMAR ROTTE
 Address of Applicant: HEAD, DEPARTMENT OF BUSINESS MANAGEMENT, VJUYAN AND A D D GREE AND PG COLLEGE, KARIMNAGAR, 503601

5)DR. LAKSHMIPATHI ANANTHA
 Address of Applicant: PROFESSOR, COMPUTER SCIENCE AND ENGINEERING, MALLA REDDY ENGINEERING COLLEGE, 500100

6)DR. SACHIN VASANT CHAUDHARI
 Address of Applicant: ASSOCIATE PROFESSOR ELECTRONICS AND COMPUTER ENGINEERING, SANTVANI COLLEGE OF ENGINEERING, KOPARGAON DIST. AHMEDNAGAR-431001

7)DR. PANKAJ KUMAR DAS
 Address of Applicant: SENIOR, UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PRACTICAL PHYSICS COURSE, GRIET, SRILOKAR, BHUBANESWAR, 751211

8)DR. VIKRAMPAN
 Address of Applicant: HEAD, DEPARTMENT OF BUSINESS ADMINISTRATION, SAUREE PEARL COLLEGE, AT, TENAMBAI, THIRUPATHUR 625601

9)DR. A.DURAIKANNAN
 Address of Applicant: ASSISTANT PROFESSOR OF BUSINESS ADMINISTRATION, SRIMULAKSHI GOVERNMENT ARTS COLLEGE FOR WOMEN (AUTONOMOUS) MADURAI

10)DR. SELVARAJ
 Address of Applicant: PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, PANIMALAR ENGINEERING COLLEGE, CHENNAI-600123

11)DR. AMIT GAIKWAD
 Address of Applicant: ASSOCIATE PROFESSOR, GHERAJI SONI UNIVERSITY, AMRAVATI

12)DR. S. SARAVASAN
 Address of Applicant: ASSISTANT PROFESSOR & RESEARCH GUIDE, PG AND RESEARCH DEPARTMENT OF COMMERCE, DR. AMBEDKAR GOVERNMENT ARTS COLLEGE, (AFFILIATED TO UNIVERSITY OF MADRAS), VYASAPADI, CHENNAI-600039

(57) Abstract :

Machine learning based approach to analyze the prosocial behaviour of colleagues of e-commerce site is the proposed invention. The proposed invention focuses on implementing a framework that is based on machine learning to analyze the prosocial behaviors of employees such as kindness, compassion etc. The objective of the proposed invention is to predict the level of prosocial behaviors followed in a particular organization.

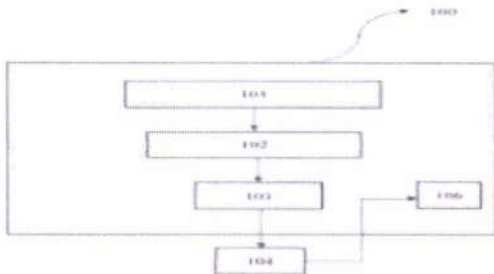


Figure 1. Block diagram

No. of Pages : 11 No. of Claims : 4

(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED DRUG DELIVERY SYSTEM FOR PREPARING MICROEMULSIONS WITH ENHANCED BIOAVAILABILITY AND METHOD THEREOF

(51) International classification :G06K0009620000, G06N0003040000, G06N0003080000, A61K0009107000, G06N0020100000
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Dr.Durga Madhab Mahapatra

Address of Applicant :Assistant Professor (Selection Grade), Department of Chemical Engineering, Energy Cluster, School of Engineering, University of Petroleum and Energy Studies (UPES), Dehradun, Uttarakhand, India. Pin Code:248007 -----

2)Ms.Rupali Rupasmita Rout**3)Dr.Asmita Manna****4)Dr.CH.Venkata Kishore****5)Dr.Kalepu Swathi****6)Dr.Mitta Chaitanya****7)Ms.Pranali Shailesh Mahajan****8)Dr.Koduru Swathi****9)Mr.Nitin Vilas Kokare****10)Dr.Himansu Bhusan Samal**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr.Durga Madhab Mahapatra

Address of Applicant :Assistant Professor (Selection Grade), Department of Chemical Engineering, Energy Cluster, School of Engineering, University of Petroleum and Energy Studies (UPES), Dehradun, Uttarakhand, India. Pin Code:248007 -----

2)Ms.Rupali Rupasmita Rout

Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:761211 ---

3)Dr.Asmita Manna

Address of Applicant :Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Pune, Maharashtra, India. Pin Code:411044 -----

4)Dr.CH.Venkata Kishore

Address of Applicant :Assistant Professor, Department of Chemistry, Dr.Lankapalli Bullayya College, Visakhapatnam, Andhra Pradesh, India. Pin Code: 530007 -----

5)Dr.Kalepu Swathi

Address of Applicant :Associate Professor, Department to Pharmaceutical Chemistry, Bojjam Narasimhulu Pharmacy College for Women, Saidabad, Hyderabad, Telangana, India. Pin Code:500059 -----

6)Dr.Mitta Chaitanya

Address of Applicant :Associate Professor, Department of Pharmaceutical Analysis, Bojjam Narasimhulu Pharmacy College for Women, Saidabad, Hyderabad, Telangana, India. Pin Code:500059 -----

7)Ms.Pranali Shailesh Mahajan

Address of Applicant :Assistant Professor, Quality Assurance Department, Womens College of Pharmacy, PethVadgaon, Kolhapur, Maharashtra, India. Pin Code:416112 -----

8)Dr.Koduru Swathi

Address of Applicant :Assistant Professor, Department of Pharmaceutical Analysis, Bojjam Narasimhulu Pharmacy College for Women, Saidabad, Hyderabad, Telangana, India. Pin Code:500059 -----

9)Mr.Nitin Vilas Kokare

Address of Applicant :Assistant Professor, Department of Pharmaceutical Quality Assurance, Appasaheb Birnale College of Pharmacy- Sangli, Sangli, Maharashtra, India. Pin Code:416416 -----

10)Dr.Himansu Bhusan Samal

Address of Applicant :Associate Professor, Department of Pharmaceutics, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramchandrapur, Jatni, Bhubaneswar, Odisha, India. Pin Code:752050 -----

(57) Abstract :

The present invention discloses a drug delivery system by using Artificial Intelligence interfaces for preparing microemulsions to enhance bioavailability and working method thereof. In order to overcome the drawbacks of response surface methodology, such as the inaccurate estimation of the optimal emulsions, stable oil-in-water emulsions have been prepared using an AI interface capable of optimising and modelling the complex relationships between the formulation parameters and their effects on the quality of the finished product wherein the AI interface is also used to maximise the concentration of a fatty alcohol. Further, combining evolving Convolutional Neural Network (CNNs) with a support vector machine SVM for successfully predicting the types and internal architectures of microemulsions.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211053620 A

(19) INDIA

(22) Date of filing of Application :20/09/2022

(43) Publication Date : 07/10/2022

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED APPROACH TO STUDY THE IMPACT OF TOPICAL NANO ADJUVANTS FOR ERADICATION OF SKIN CANCER

(51) International classification : A61K0031000000, G16H0050200000, A61K0039395000, G06N0020000000, C07K0014435000

(86) International Application No : NA
 Filing Date : NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number : NA
 Filing Date : NA

(62) Divisional to Application Number : NA
 Filing Date : NA

(71)Name of Applicant :
1)SATYA PRAKASH SINGH
 Address of Applicant :INSTITUTE OF PHARMACY DR. RAM MANOHAR LOHIA AVADH UNIVERSITY AYODHYA -----
2)DEEPTI DWIVEDI
3)Dr. SWARNLATA SARAF
4)Ms. TARANJEET KUKREJA
5)Mrs.SHRUTI PAUL
6)Mr. JHAKESHWAR PRASAD
7)AHTESHAM AHMAD
8)ROFIQUL ISLAM
9)SUSHMITA SRIVASTAVA
10)SUHAS SURESH AGEY
11)PROF(Dr. JARNABADITYA MOHANTY
12)SIDHARTHA PARIDA
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)SATYA PRAKASH SINGH
 Address of Applicant :INSTITUTE OF PHARMACY DR. RAM MANOHAR LOHIA AVADH UNIVERSITY AYODHYA -----
2)DEEPTI DWIVEDI
 Address of Applicant :INSTITUTE OF PHARMACY- DR RAM MANOHAR LOHIA AVADH UNIVERSITY AYODHYA AYODHYA -----
3)Dr. SWARNLATA SARAF
 Address of Applicant :DIRECTOR, UNIVERSITY INSTITUTE OF PHARMACY, PANDIT RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR - 492001, CHHATTISGARH, INDIA RAIPUR -----
4)Ms. TARANJEET KUKREJA
 Address of Applicant :PHD RESEARCH SCHOLAR, UNIVERSITY INSTITUTE OF PHARMACY, PANDIT RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR - 492001, CHHATTISGARH, INDIA RAIPUR -----
5)Mrs.SHRUTI PAUL
 Address of Applicant :ASSISTANT PROFESSOR, BHARTI VISHW AVIDYALAYA, SCHOOL OF PHARMACY, CHANDKHURI, DURG - 491001, CHHATTISGARH, INDIA DURG -----
6)Mr. JHAKESHWAR PRASAD
 Address of Applicant :ASSISTANT PROFESSOR, SHRI SHANKARACHARYA COLLEGE OF PHARMACEUTICAL SCIENCES, JUNWANI, BHILAI - 490020, CHHATTISGARH, INDIA BHILAI ----
7)AHTESHAM AHMAD
 Address of Applicant :ASSISTANT PROFESSOR, BABU SUNDER SINGH COLLEGE OF PHARMACY, NIGOHAN, RAEBARELI ROAD, LUCKNOW - 226302 LUCKNOW -----
8)ROFIQUL ISLAM
 Address of Applicant :ASSISTANT PROFESSOR, SCHOOL OF PHARMACEUTICAL SCIENCES, UNIVERSITY OF SCIENCE AND TECHNOLOGY MEGHALAYA, RHI-BHOI-793101 TECHNOCITY --
9)SUSHMITA SRIVASTAVA
 Address of Applicant :BABU SUNDRAR SINGH COLLEGE OF PHARMACY, NIGOHAN, LUCKNOW LUCKNOW -----
10)SUHAS SURESH AGEY
 Address of Applicant :ASSISTANT PROFESSOR, DEPT OF PHARMACOLOGY, SCHOOL OF PHARMACY AND TECHNOLOGY MANAGEMENT SVKM'S NMIMS UNIVERSITY, SHIRPUR-425405 SHIRPUR -----
11)PROF(Dr. JARNABADITYA MOHANTY
 Address of Applicant :PRINCIPAL,THE PHARMACEUTICAL COLLEGE,SAMLESWARI VIHAR,TINGIPALI,BARPALI-768029 BARPALI,BARGARH -----
12)SIDHARTHA PARIDA
 Address of Applicant :ASSISTANT PROFESSOR,DEPARTMENT OF PHARMACEUTICS, SCHOOL OF PHARMACY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, GOPALPUR, BALASORE PIN -756044 BALASORE -----

(57) Abstract
 Eradication of Skin Cancer is the proposed invention. The proposed invention focuses on analysing the properties of nano adjuvants in eradicating skin cancer. The intention of the proposed invention Artificial Intelligence based approach to study the impact of Topical Nano adjuvants for is to study the efficacy of drug molecules when applied topically or externally. The algorithms of Artificial Intelligence are used for predicting the efficiency of nano materials in treating skin cancer.

No. of Pages : 13 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202231055096 A

(19) INDIA

(22) Date of filing of Application :26/09/2022

(43) Publication Date : 21/10/2022

(54) Title of the invention : ARTIFICIAL INTELLIGENCE-BASED TECHNIQUE TO ANALYSE THE IMPACT OF NANOPARTICLES IN IMPROVING HAIR FOLLICLES

(51) International classification : A61Q0007000000, A61B0017340000, A61Q0005000000, A61K0039395000, A61F0002100000
(86) International Application No : PCT/
Filing Date : 01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number : NA
Filing Date : NA
(62) Divisional to Application Number : NA
Filing Date : NA

(71)Name of Applicant :

1)MR. PRAGATI RANJAN SATPATHY
Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL ANALYSIS, SRI JAY ADEV COLLEGE OF PHARMACEUTICAL SCIENCES, NAHARKANTA, BHUBANESWAR-752101 BHUBANESWAR -----
2)MADHU CHHANDA MISHRA
3)DR.ARJUN GOJE
4)DR. SAROJ KUMAR RAUL
5)SATYABRATA JENA
6)DR. THATIKONDA KEERTHI
7)MRS. K. SUMALATHA
8)DR. LUBHAN SINGH
9)MRS E SHRAVANA JYOTHI
10)SIDHARTHA PARIDA
11)DR.CHANDRA SEKHAR BARIK
12)YAGNAMBHATLA RAJENDRA

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)MR. PRAGATI RANJAN SATPATHY
Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL ANALYSIS, SRI JAY ADEV COLLEGE OF PHARMACEUTICAL SCIENCES, NAHARKANTA, BHUBANESWAR-752101 BHUBANESWAR -----
2)MADHU CHHANDA MISHRA
Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL ANALYSIS, SRI JAY ADEV COLLEGE OF PHARMACEUTICAL SCIENCES, NAHARKANTA, BHUBANESWAR-752101 BHUBANESWAR -----
3)DR.ARJUN GOJE
Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, TEEGALA RAM REDDY COLLEGE OF PHARMACY, HYDRABAD, 500097 HYDERABAD -----
4)DR. SAROJ KUMAR RAUL
Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, MAHARAJAH'S COLLEGE OF PHARMACY, VIZIANAGRAM, 535002 VIZIANAGRAM -----
5)SATYABRATA JENA
Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, BHASKAR PHARMACY COLLEGE, HYDERABAD, 500075 HYDERABAD -----
6)DR. THATIKONDA KEERTHI
Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACY PRACTICE, ST PAULS COLLEGE OF PHARMACY, TURKAYAMJAL, 501510 TURKAYAMJAL -----
7)MRS. K. SUMALATHA
Address of Applicant : ASST PROFESSOR, DEPARTMENT OF PHARMACOGNOSY, BHASKAR PHARMACY COLLEGE, 500075 HYDERABAD -----
8)DR. LUBHAN SINGH
Address of Applicant : PROFESSOR, DEPARTMENT OF PHARMACOLOGY, KHARVEL SUBHARTI COLLEGE OF PHARMACY, SWAMI VIVEKANAND SUBHARTI UNIVERSITY-250005 MEERUT -----
9)MRS E SHRAVANA JYOTHI
Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, ST PAULS COLLEGE OF PHARMACY, TURKAYAMJAL, 501510 HYDERABAD -----
10)SIDHARTHA PARIDA
Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, SCHOOL OF PHARMACY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, GOPALPUR, BALAOSRE, 756044 BHUBANESWAR -----
11)DR.CHANDRA SEKHAR BARIK
Address of Applicant : ASSISTANT PROFESSOR, DEPT OF PHARMACOLOGY, INSTITUTE OF PHARMACY AND TECHNOLOGY, SALIPUR, CUTTACK, ODISHA, PIN_754202 CUTTACK -----
12)YAGNAMBHATLA RAJENDRA
Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, MAK COLLEGE OF PHARMACY, MOINABAD, RANGAREDDY, 501504 RANGAREDDY -----

(57) Abstract :

Artificial intelligence-based technique to analyse the impact of nanoparticles in improving Hair Follicles is the proposed invention. The proposed invention aims at designing a framework of Artificial Intelligence for analysing the condition of hairs. The scalp is imaged to look for hair follicles diameter. The direct delivery of nano particles to the hair roots is analysed to stop hair fall and improve hair growth.

No. of Pages : 11 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241063289 A

(19) INDIA

(22) Date of filing of Application :05/11/2022

(43) Publication Date : 25/11/2022

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED APPROACH TO PREDICT THE ROLE OF NANOPARTICLES IN TARGETING VENTRICULAR FIBRILLATIONS

(51) International classification :A61P0009000000, G06N0003020000, G16H0030400000, G16H0050300000, G06N0020000000
(86) International Application No :PCT/
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Ms. SAMEENA BEGUM
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----
2)Mr. SYED AHMED
3)Ms. AMRITA NAYAK
4)Ms. MEENAKSHI SHARMA
5)Dr. ARANABADITYA MOHANTY
6)Mr. PRITISH KUMAR PASAYAT
7)Mr. SIDHARTHA PARIDA
8)Ms. NAZIA FARHEEN
9)Mr. MOHD MOHIUDDIN SHAREEF
10)Dr. MOHAMMAD ZIAUDDIN
11)Dr. NILOFER SHAMS
12)Mr. MOHAMMED AMADUDDIN KHAN
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Ms. SAMEENA BEGUM
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----
2)Mr. SYED AHMED
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, GLAND INSTITUTE OF PHARMACEUTICAL SCIENCES, SHANGRILA,KOTHAPET,MEDAK,HYDERABAD, TELANGANA-INDIA-502220 HYDERABAD -----
3)Ms. AMRITA NAYAK
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, DANTESWARI COLLEGE OF PHARMACY,JAGDALPUR,,CHHATTISGARH, 494221 JAGDALPUR ----
4)Ms. MEENAKSHI SHARMA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOGNOSY,ITS COLLEGE OF PHARMACY, MURAD NAGAR, GHAZIABAD, UTTAR PRADESH, INDIA-201206 GHAZIABAD -----
5)Dr. ARANABADITYA MOHANTY
Address of Applicant :PROFESSOR & PRINCIPAL,THE PHARMACEUTICAL COLLEGE, BARPALI, SAMLESWARI VIHAR, TANGIPALLI, BARPALI,BARGARH, ODISHA, INDIA-768029 BARPALI -----
6)Mr. PRITISH KUMAR PASAYAT
Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACEUTICS,SRI JAY ADEV COLLEGE OF PHARMACEUTICAL SCIENCES, NAHARKANTA, BHUBANESWAR, ODISHA-INDIA-752101 BHUBANESWAR -----
7)Mr. SIDHARTHA PARIDA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS,SCHOOL OF PHARMACY ,CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, GOPALPUR,BALASORE, ODISHA, INDIA, 756044 BALASORE -----
8)Ms. NAZIA FARHEEN
Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACOLOGY, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----
9)Mr. MOHD MOHIUDDIN SHAREEF
Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACOLOGY, MESCO COLLEGE OF PHARMACY, KARWAN ROAD,MUSTAID PURA, HYDERABAD, TELANGANA-INDIA-500006 HYDERABAD -----
10)Dr. MOHAMMAD ZIAUDDIN
Address of Applicant :PROFESSOR AND HOD , DEPARTMENT OF PHARMACOGNOSY, MESCO COLLEGE OF PHARMACY, KARWAN ROAD,MUSTAID PURA, HYDERABAD, TELANGANA-INDIA-500006 HYDERABAD -----
11)Dr. NILOFER SHAMS
Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACY PRACTICE, MESCO COLLEGE OF PHARMACY, KARWAN ROAD,MUSTAID PURA, HYDERABAD, TELANGANA-INDIA-500006 HYDERABAD -----
12)Mr. MOHAMMED AMADUDDIN KHAN
Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACEUTICS, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----

(57) Abstract :
Artificial Intelligence based approach to predict the role of nanoparticles in targeting Ventricular Fibrillations is the proposed invention. The invention focuses on utilizing the algorithms of Artificial Intelligence for treating heart disease efficiently. The proposed invention will analyze the heart condition in depth for predicting ventricular fibrillations at the earlier stage itself.

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/11/2022

(21) Application No.202241064454 A

(43) Publication Date : 02/12/2022

(54) Title of the invention : MACHINE LEARNING BASED APPROACH TO PREDICT THE IMPACT OF ANTI-MICROBIAL RESISTANCE FOR ANIMAL PRODUCTION

(51) International classification :G06N002000000, G06Q001000000, G06K000962000, H04W0004029000, G06N0005000000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Dr S.SUBHA

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY, DR LANKAPALLI BULLAYYA COLLEGE, VISAKHAPATNAM VISAKHAPATNAM -----

2)Dr. CHANDRASHEKHAR RAMESHWAR KASAR

3)Dr. G. SELVAMANGAI

4)DEEPA VH

5)Dr RAJESH SUDHAKAR WAKCHAURE

6)Ms. FAREEHA QURESHI

7)Dr. SYED SAFIULLAH GHORI

8)Dr.K.MAHENDRAN

9)Dr SHAHAJI SHIVAJI CHANDANSHIVE

10)Dr.KALPESHKUMAR B. SOLANKI

11)Mr. SIDHARTHA PARIDA

12)Prof. PRASHANT ADSULE

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr S.SUBHA

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY, DR LANKAPALLI BULLAYYA COLLEGE, VISAKHAPATNAM VISAKHAPATNAM ---

2)Dr. CHANDRASHEKHAR RAMESHWAR KASAR

Address of Applicant :ASSISTANT PROFESSOR ,HOD.DEPARTMENT OF ZOOLOGY, S. P. M. SCIENCE AND GILANI ARTS, COMMERCE COLLEGE, GHATANJLAT POST :- GHATANJLDISTRICT YAVATMAL, 445301. GHATANJI -----

3)Dr. G. SELVAMANGAI

Address of Applicant :HEAD OF THE DEPARTMENT, BIOTECHNOLOGY, ALPHA ARTS AND SCIENCE COLLEGE, CHENNAI 600116 CHENNAI -----

4)DEEPA VH

Address of Applicant :ASSISTANT PROFESSOR, DEPT OF LIFE SCIENCES, AIMS INSTITUTES, BANGALORE. 560058 BANGALORE -----

5)Dr RAJESH SUDHAKAR WAKCHAURE

Address of Applicant :ASSISTANT PROFESSOR, VETERINARY POLYTECHNIC, JAGDALPUR, CHHATTISGARH, JAGDALPUR -----

6)Ms. FAREEHA QURESHI

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, ANWARUL ULOOM COLLEGE OF PHARMACY, HYDERABAD, 500001. HYDERABAD -----

7)Dr. SYED SAFIULLAH GHORI

Address of Applicant :PROFESSOR, DEPARTMENT OF PHARMACOLOGY, ANWARULULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA, HYDERABAD -----

8)Dr.K.MAHENDRAN

Address of Applicant :ASSOCIATE PROFESSOR , DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, JANSONS INSTITUTE OF TECHNOLOGY, COIMBATORE 641659 COIMBATORE -----

9)Dr SHAHAJI SHIVAJI CHANDANSHIVE

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ZOOLOGY, SHIKSHAN MAHARSHI GURUVARY R G SHINDE MAHAVIDYALAYA PARANDA DIST OSMANABAD PARANDA -----

10)Dr.KALPESHKUMAR B. SOLANKI

Address of Applicant :SCHOOL OF FORENSICS, RISK MANAGEMENT & NATIONAL SECURITY, RASHTRIYA RAKSHA UNIVERSITY, LAVAD, GANDHINAGAR, 382305 LAVAD -----

11)Mr. SIDHARTHA PARIDA

Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, SCHOOL OF PHARMACY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BALAOSRE,PIN-756044 BALAOSRE -----

12)Prof. PRASHANT ADSULE

Address of Applicant :AJEENKYA D Y PATIL UNIVERSITY-SCHOOL OF HOTEL MANAGEMENT PUNE -----

(57) Abstract :

Machine Learning based approach to predict the impact of Anti-microbial Resistance for Animal Production is the proposed invention. The invention aims at utilizing the algorithms of machine learning for predicting the impact of antimicrobial resistance. The proposed invention focuses on improving animal production through anti-microbial resistance.

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241065523 A

(19) INDIA

(22) Date of filing of Application :15/11/2022

(43) Publication Date : 25/11/2022

(54) Title of the invention : Nano-Drug Delivery System of Anti-Cancer drug and Method thereof

(51) International classification :A61P003500000, A61P004300000, A61K000951000, A61K004506000, A61K0031165000
(86) International Application No :PCT// /
Filing Date :01/01/1900
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Mr. Bikash Ranjan Jena
Address of Applicant :Ph.D Research Scholar, Department of Pharmacy, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur-522502, Andhra Pradesh, India. Guntur -----

2)Dr. GSN Koteswara Rao

3)Dr. Areti Anka Rao

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Mr. Bikash Ranjan Jena

Address of Applicant :Ph.D Research Scholar, Department of Pharmacy, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur-522502, Andhra Pradesh, India. Guntur -----

2)Dr. GSN Koteswara Rao

Address of Applicant :M.Pharm, Ph.D, Professor and Head, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida-203201, Uttara Pradesh, India. Greater Noida -----

3)Dr. Areti Anka Rao

Address of Applicant :Associate Professor, M.Pharm, Ph.D, Department of Pharmacy, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur-522502, Andhra Pradesh, India. Guntur -----

4)Dr. Guntupalli Chakravarthi

Address of Applicant :M.Pharm, Ph.D Professor and Principal, Department of Pharmacy, Koneru Lakshmaiah Education Foundation Deemed to be University, Vaddeswaram, Guntur-522502, Andhra Pradesh, India Guntur -----

5)Dr. Rajasekhur Reddy Alavala

Address of Applicant :M.Pharm, Ph.D Assistant Professor, Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, SVKM's NMIMS, Vile Parle (W), Mumbai-400056, Maharashtra, India. Mumbai -----

6)Dr. Malothu Narender

Address of Applicant :M.S (Pharm.), Ph.D., Associate Professor, RPAC Chairman KL College of Pharmacy, KLEF Deemed to be University, Vaddeswaram, Guntur-522502, Andhra Pradesh, India Guntur -----

7)Dr. Naga Jogayya Kothakota

Address of Applicant :MSc. Ph.D, HOD Assistant Professor School of Forensic Sciences Centurion University of Technology and Management Jatani, Bhubaneswar-752054, Odisha, India Bhubaneswar -----

8)Dr. Suryakanta Swain

Address of Applicant :Professor and Dean M.Pharm, Ph.D. School of Pharmacy and Paramedical Sciences, K.K. University, Berauti, Bihar Sharif, Nalanda-803115, Bihar, India Nalanda -----

9)Mr. Sangram Kishore Routray

Address of Applicant :M.Tech, School of Forensic Sciences Centurion University of Technology and Management Jatani, Bhubaneswar-752054, Odisha, India Bhubaneswar -----

10)Mr. Rajib Lochan Maharana

Address of Applicant :M.Pharm (Ph.D) Research Scholar Biju Pattnaik University of Technology (BPUT), Rourkela-769011 Odisha, India. Rourkela -----

11)Mr. Abhisek Sahu

Address of Applicant :M.Pharm, Assistant Professor School of Pharmacy & Life Sciences Centurion University of Technology and Management Jatani, Bhubaneswar-752054, Odisha, India Bhubaneswar -----

(57) Abstract :
ABSTRACT: Title: Nano-Drug Delivery System of Anticancer drug and Method thereof The present disclosure proposes a nano-drug delivery system of anticancer drug and the method thereof. The nano-drug delivery system 100 of anticancer drug provides a drug profile selection module 102, a nano-drug delivery module 104, an identification module 106, a risk assessment module 108, and a solvent addition module 110—the nano-drug delivery system 100 of anticancer drug aids in treating hormone-resistant prostate cancer. Minimum energy consumption is required, and the proposed system provides effective waste management while preparing the anticancer drug. The optimum formulations of the anticancer drug are developed with a minimum number of trial runs. In addition, the patient safety and effectiveness of the anticancer drug are enhanced by decreasing the patient's pill burden.

No. of Pages : 18 No. of Claims : 8

(54) Title of the invention : Magnetic spinel ferrite nanoparticles (SFNPs) for targeted drug delivery of cytotoxic drugs in disease treatment

(51) International classification :A61K0009510000, C07F0015000000, B82Y0005000000, B01J0020280000, A61P0035000000
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Dr. Kanta Jayadev

Address of Applicant :Assistant Professor, Department of Physics & Electronics, P.R. Government College (A), Kakinada, Andhra Pradesh, India, Pincode: 533003 -----

--

2)Mr. A. Kishore Babu**3)Dr. Kalyani Thota****4)Dr. M. Punithavathi****5)Dr. S. A. Sreenivas****6)Dr. S. Manimaran****7)Ms. Sucharita Babu****8)Dr. S. Vasthi Gnana Rani****9)Dr. J. Suresh****10)Mr. Nookala S S N Murty****11)Dr. P. Pavitra**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Kanta Jayadev

Address of Applicant :Assistant Professor, Department of Physics & Electronics, P.R. Government College (A), Kakinada, Andhra Pradesh, India, Pincode: 533003 -----

--

2)Mr. A. Kishore Babu

Address of Applicant :Assistant Professor, Department of Chemistry, Sri Sairam Engineering College, West Tambaram, Chennai, Tamilnadu, India, Pincode:600 044 -----

3)Dr. Kalyani Thota

Address of Applicant :Associate Professor, Department of Physics, KKR & KSR Institution and Technology, Vinjanampadu, Guntur, Andhra Pradesh, India, Pincode: 522017 -----

4)Dr. M. Punithavathi

Address of Applicant :Assistant Professor, Department of Biochemistry, Marudharkesari Jain College for Women, Vaniyambadi, Tirupattur District, Tamilnadu, India, Pincode: 635751 -----

5)Dr. S. A. Sreenivas

Address of Applicant :Professor & Principal, Department of Pharmacy, Sree Dattha Institute of Pharmacy, Hyderabad, Telangana, India, Pincode: 501510 -----

6)Dr. S. Manimaran

Address of Applicant :Head, PG Department of Physics, Srinivasan College Of Arts & Science, Perambalur, Tamil Nadu, India, Pincode: 621212 -----

7)Ms. Sucharita Babu

Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Bhubaneswar, Odisha, India, Pincode: 752050 -----

8)Dr. S. Vasthi Gnana Rani

Address of Applicant :Assistant Professor, Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai, Tamilnadu, India, Pincode: 600 089 -----

9)Dr. J. Suresh

Address of Applicant :Assistant Professor, Department of Physics, BVC College of Engineering, Palacharla, Rajamahendravaram, E.G.(District), Andhra Pradesh, India, Pincode:533102 -----

10)Mr. Nookala S S N Murty

Address of Applicant :Associate Professor Department of Physics, International School of Technology and Science for Women (ISTS), Rajanagaram, Rajamahendravaram, E.G. Dt, Andhra Pradesh, India, Pincode: 533294 -----

11)Dr. P. Pavitra

Address of Applicant :Assistant Professor, Department of H & BS (Chemistry), Dadi Institute of Engineering & Technology, Anakapalli, Visakhapatnam, Andhra Pradesh, India, Pincode:521139 -----

(57) Abstract :

A nanotherapeutic that contains platinum complexes contained inside a nanoformulation that contains at least one spinel ferrite of the formula CuFe₂O₄, NiFe₂O₄, CoFe₂O₄, and MnFe₂O₄ placed on mesoporous silica. A method for the preparation of the nanotherapeutic that involves forming a powdery mixture by combining a metal(II) salt and a Fe(III) salt with the mesoporous silica nanoparticles, calcining the powdery mixture to form the nanoformulation, and then combining the nanoformulation with the platinum complex.

No. of Pages : 23 No. of Claims : 4

beim Amtsgericht

Anmelder (3)

Name, Vorname / Firma lt. Handelsregister

Dr. Sengar, Namrata

Assistant Professor, Department of Pure and Applied Physics, University of Kota

Straße, Hausnummer (kein Postfach!)

Raghav Kutir Opp. 3C22, Dadabari Extension

Postleitzahl

324009

Ort

Kota, Rajasthan

Land

IN

Telefon

Fax

E-Mail

Der Anmelder ist eingetragen im Handelsregister Nr.

beim Amtsgericht

Anmelder (4)

Name, Vorname / Firma lt. Handelsregister

Dr. Behera, Sasmita

Assistant Professor, Department of Electrical and Electronics Engineering, Veer Surendra Sai University of Technology

Straße, Hausnummer (kein Postfach!)

Qr. No. BF/9, VSSUT Colony, , Sambalpur-8

Postleitzahl

768018

Ort

Burla, Odisha

Land

IN

Telefon

Fax

E-Mail

Der Anmelder ist eingetragen im Handelsregister Nr.

beim Amtsgericht

Anmelder (5)

Name, Vorname / Firma lt. Handelsregister

Dr. Paul, Kaushik

Assistant Professor, Department of Electrical Engineering, BIT Sindri, Dhanbad

Straße, Hausnummer (kein Postfach!)

Room No:69, Department of Electrical Engineering. BIT Sindri

Postleitzahl

828123

Ort

Sindri, Jharkhand

Land

IN

Telefon

Fax

E-Mail

Der Anmelder ist eingetragen im Handelsregister Nr.

beim Amtsgericht

Anmelder (6)

Name, Vorname / Firma lt. Handelsregister

Prof. Mishra, Prasheet

Assistant Professor, School of Maritime Studies, Centurion University of Technology and Management

Straße, Hausnummer (kein Postfach!)

Flat No 189, Block B12, Kendriya Vihar Apartment, Janla

Postleitzahl

752054

Ort

Bhubaneswar, Odisha

Land

IN

Telefon _____ Fax _____ E-Mail _____

Der Anmelder ist eingetragen im Handelsregister Nr. _____
beim Amtsgericht _____

Anmelder (7)

Name, Vorname / Firma lt. Handelsregister
Prof. Routray, Sangram Kishore

Assistant Professor, Cyber Security and Digital Forensic, Centurion University of Technology and Management

Straße, Hausnummer (kein Postfach!)
Staff Residence-7, Centurion University of Technology and Management

Postleitzahl Ort Land
752050 Jatni, Odisha IN

Telefon _____ Fax _____ E-Mail _____

Der Anmelder ist eingetragen im Handelsregister Nr. _____
beim Amtsgericht _____

Anmelder (8)

Name, Vorname / Firma lt. Handelsregister
Dr. Mehta, Shilpa

Assistant Professor

Straße, Hausnummer (kein Postfach!)
Street No: 7, House No: 2, Hatamala, Banadalo

Postleitzahl Ort Land
754030 Tigiria, Odisha IN

Telefon _____ Fax _____ E-Mail _____

Der Anmelder ist eingetragen im Handelsregister Nr. _____
beim Amtsgericht _____

Anmelder (9)

Name, Vorname / Firma lt. Handelsregister
Dr. Panda, Ramesh Chandra

Chief Scientist, We Grow Private Limited

Straße, Hausnummer (kein Postfach!)
House No: 21, Street No: 5, Khordha

Postleitzahl Ort Land
751001 Bhubaneswar, Odisha IN

Telefon _____ Fax _____ E-Mail _____

Der Anmelder ist eingetragen im Handelsregister Nr. _____
beim Amtsgericht _____

Vertreter (1)

Name, Vorname / Firma
Hohendorf Kierdorf Patentanwälte PartGmbB

Straße, Hausnummer / ggf. Postfach

	Hohenzollernring 79-83 Postleitzahl <input type="text" value="50672"/> Ort <input type="text" value="Köln"/> Land <input type="text" value="DE"/> Telefon <input type="text" value="+49 221 42357744"/> Fax <input type="text" value="+49 221 42357745"/> E-Mail <input type="text" value="office@hohendorf-kierdorf.com"/>															
(5) soweit bekannt	Anmelder-Nr. <input type="text"/> Vertreter-Nr. <input type="text"/> Zustelladressen-Nr. <input type="text" value="108972623"/>															
(6) IPC Vorschlag ist unbedingt anzugeben, sofern bekannt	Bezeichnung der Erfindung <input type="text"/> <div style="text-align: right; font-size: small;">IPC-Vorschlag des Anmelders</div> Ein System für einen programmierbaren, zeitgesteuerten, drahtlosen Sensor-Knoten mit Energiegewinnung, der einen Funkzugang mit großer Reichweite nutzt															
(7)	Sonstige Anträge <input type="checkbox"/> Aussetzung der Eintragung und Bekanntmachung für ___ Monate (§ 8 Absatz 1 Satz 2 Gebrauchsmustergesetz) <i>(Max. 15 Monate ab Anmelde- bzw. Prioritätstag)</i> <input type="checkbox"/> Rechercheantrag - Ermittlung der öffentlichen Druckschriften (§ 7 Gebrauchsmustergesetz)															
(8)	Erklärungen <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 10%; text-align: center;">Aktenzeichen</th> <th style="width: 10%;"></th> <th style="width: 10%; text-align: center;">Anmeldetag</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Abzweigung aus der Patentanmeldung/dem Patent</td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> <tr> <td><input type="checkbox"/> Der Anmelder ist an Lizenzvergabe interessiert (unverbindlich)</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Aktenzeichen		Anmeldetag		<input type="checkbox"/> Abzweigung aus der Patentanmeldung/dem Patent	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Der Anmelder ist an Lizenzvergabe interessiert (unverbindlich)				
	Aktenzeichen		Anmeldetag													
<input type="checkbox"/> Abzweigung aus der Patentanmeldung/dem Patent	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>												
<input type="checkbox"/> Der Anmelder ist an Lizenzvergabe interessiert (unverbindlich)																
(9)	<input type="checkbox"/> Inländische Priorität (Datum, Aktenzeichen der Voranmeldung) <input type="text"/> <input type="checkbox"/> Ausländische Priorität (Datum, Land, Aktenz. der Voranmeldung) <input type="text"/> <input type="checkbox"/> Ausstellungspriorität (Datum der erstmaligen Zurschaustellung, Ausstellung) <input type="text"/>															
(10)	Gebührenzahlung in Höhe von <u>30,00</u> EUR <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Zahlung per Banküberweisung <input type="checkbox"/> Überweisung <i>(nach Erhalt der Empfangsbestätigung)</i> Zahlungsempfänger: Bundeskasse/DPMA IBAN: DE84 7000 0000 0070 0010 54 BIC (SWIFT-Code): MARKDEF1700 Anschrift der Bank: Bundesbankfiliale München Leopoldstr. 234, 80807 München </td> <td style="width: 50%; vertical-align: top;"> Zahlung mittels SEPA-Basis-Lastschrift <input checked="" type="checkbox"/> Ein gültiges SEPA-Basis-Lastschriftmandat (Formular A 9530) <input checked="" type="checkbox"/> liegt dem DPMA bereits vor (Mandat für mehrmalige Zahlungen) <input type="checkbox"/> ist beigelegt <input checked="" type="checkbox"/> Angaben zum Verwendungszweck (Formular A 9532) des Mandats mit Mandatsreferenznummer sind beigelegt </td> </tr> </table> <p>! Wird die Anmeldegebühr nicht innerhalb von 3 Monaten nach dem Tag des Eingangs der Anmeldung gezahlt, so gilt die Anmeldung als zurückgenommen!</p>	Zahlung per Banküberweisung <input type="checkbox"/> Überweisung <i>(nach Erhalt der Empfangsbestätigung)</i> Zahlungsempfänger: Bundeskasse/DPMA IBAN: DE84 7000 0000 0070 0010 54 BIC (SWIFT-Code): MARKDEF1700 Anschrift der Bank: Bundesbankfiliale München Leopoldstr. 234, 80807 München	Zahlung mittels SEPA-Basis-Lastschrift <input checked="" type="checkbox"/> Ein gültiges SEPA-Basis-Lastschriftmandat (Formular A 9530) <input checked="" type="checkbox"/> liegt dem DPMA bereits vor (Mandat für mehrmalige Zahlungen) <input type="checkbox"/> ist beigelegt <input checked="" type="checkbox"/> Angaben zum Verwendungszweck (Formular A 9532) des Mandats mit Mandatsreferenznummer sind beigelegt													
Zahlung per Banküberweisung <input type="checkbox"/> Überweisung <i>(nach Erhalt der Empfangsbestätigung)</i> Zahlungsempfänger: Bundeskasse/DPMA IBAN: DE84 7000 0000 0070 0010 54 BIC (SWIFT-Code): MARKDEF1700 Anschrift der Bank: Bundesbankfiliale München Leopoldstr. 234, 80807 München	Zahlung mittels SEPA-Basis-Lastschrift <input checked="" type="checkbox"/> Ein gültiges SEPA-Basis-Lastschriftmandat (Formular A 9530) <input checked="" type="checkbox"/> liegt dem DPMA bereits vor (Mandat für mehrmalige Zahlungen) <input type="checkbox"/> ist beigelegt <input checked="" type="checkbox"/> Angaben zum Verwendungszweck (Formular A 9532) des Mandats mit Mandatsreferenznummer sind beigelegt															
(11)	Anlagen <ol style="list-style-type: none"> 1. <u>6</u> Seite(n) Beschreibung 2. <u>2</u> Seite(n) Schutzansprüche <u>5</u> Anzahl Schutzansprüche 3. <u>1</u> Anzahl Figuren 4. <u> </u> Abschrift(en) der Voranmeldung(en) bei Priorität 5. <u> </u> Abschrift der Voranmeldung bei Abzweigung 6. <u> </u> Vertretervollmacht 															

- 7. _____ Übersetzung(en)
- 8. _____ Sequenzprotokoll nach ST.26
- 9. _____ Sonstiges

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Service-Formulare-Sonstige Formulare-Hinweis zum Datenschutz.**

Bearbeiter (1)

(12) Unterschrift

(13) Funktion des Bearbeiters



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202241055209
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/09/2022
APPLICANT NAME	1 . Dr. Dindigala Raju 2 . Mr. Vinayak Kishan Nirmale 3 . Dr. C. Siva Sankar 4 . Mrs. N. Jeebaratnam 5 . Dr. Durgaprasad Navulla 6 . Dr. V. Kusuma Kumari 7 . Mr. Aadooru Suman
TITLE OF INVENTION	SYSTEM AND METHOD FOR LEARNING ALPHABETIC AND MATHEMATICAL EXPRESSIONS USING A DIGITAL ASSISTANCE
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	03mrmanoj@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	07/10/2022

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

REPUBLIC OF SOUTH AFRICA

REGISTER OF PATENTS

PATENTS ACT, 1978

Official application No.		Lodging date: Provisional		Acceptance date	
21	01	2022/05202		22	
				47	2022/08/30
International classification		Lodging date: Complete		Granted date	
51	A61K	23	2022/05/11		2022/11/30
71	Full name(s) of applicant(s)/Patentee(s):				
<p>Dr. Satyasis Mishra Department of Electronics and Communication Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India</p> <p>Dr. Mohammed Siddique Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India</p> <p>Dr.Sunita Satapathy Department of Zoology, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India</p> <p>Dr. Goutam Kumar Mahato Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India</p> <p>Dr. Tumbanath Samantara Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India</p> <p>Dr. Sasmita Nayak Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India</p> <p>Mr. Nilamadhab Dash Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India</p> <p>DR. RAMESH CHANDRA MOHANTY Department of Mechanical Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, 752050, Odisha,, India</p>					
71	Applicant substituted:			Date registered	
71	Assignee(s):			Date registered	
72	Full name(s) of inventor(s):				
<p>Dr. Satyasis Mishra</p> <p>Dr. Mohammed Siddique</p> <p>Dr. Sunita Satapathy</p> <p>Dr. Ramesh Chandra Mohanty</p> <p>Dr. Goutam Kumar Mahato</p> <p>Dr. Tumbanath Samantara</p> <p>Dr. Sasmita Nayak</p> <p>Mr. Nilamadhab Dash</p>					
Priority claimed:		Country	Number	Date	
54	Title of invention				
A SYSTEM AND A METHOD OF IMPROVED SCA-ELM BASED DENSENET121 FOR CLASSIFICATION OF FRUIT DISEASES					
Address of applicant(s)/patentee(s):					
<p>Department of Electronics and Communication Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of Zoology, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of Mechanical Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, 752050, Odisha, INDIA</p>					

74	Address for service
Wolmarans and Susan Inc. 337 Surrey Avenue, Randburg, 2194 SOUTH AFRICA Reference No.	
61	Patent of addition No.
Date of any change	
Fresh application based on.	
Date of any change	



RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount
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HISTORY SHEET

Date entry made	Description
2022-05-12	Proof reading performed automatically
2022-05-12	Request for the acceptance of a Patent electronically filed on 11/5/2022, numbered 2022/05202
2022-05-30	Correction of clerical errors consisting of to correct address filed on 26/05/2022, by Dr. Satyasis Mishra, Dr. Mohammed Siddique, Dr.Sunita Satapathy, Dr. Ramesh Chandra Mohanty, Dr. Goutam Kumar Mahato, Dr. Tumbanath Samantara, Dr. Sasmita Nayak, Mr. Nilamadhab Dash.
2022-08-30	Application accepted on 30/08/2022.
2022-12-01	Patent advertised on 30-11-2022.
2022-12-01	Patent granted on 30-11-2022.





Application Details

APPLICATION NUMBER	202211065898
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/11/2022
APPLICANT NAME	1 . Dr RAM KUMAR GARG 2 . SAKSHI DEEPAK KAKADE 3 . CH. CHAKRADHARA RAO 4 . PERLA RATNA KUMARI 5 . Ms. SWAGATIKA DAS 6 . Mr. SUJIT KUMAR PATRO 7 . Dr.D.KAMALAKKANNAN 8 . Dr. SUSHIL KUMAR 9 . Dr.A.SASI KUMAR 10 . AMOL D. SONAWANE 11 . Dr. KRANTI KIRAN REDDY EALLA 12 . PRAVEEN KUMAR POOLA
TITLE OF INVENTION	CLOUD BASED TECHNIQUE INTEGRATED WITH ARTIFICIAL INTELLIGENCE (AI) TO PREDICT THE HEART DISEASES IN ADVANCE AND AVOIDING THE SUDDEN AND MASSIVE HEART ATTACKS
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	sgowthami12@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	09/12/2022

Application Status

REPUBLIC OF SOUTH AFRICA



REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

ENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT, ODISHA; SMRUTI RANJAN NAYAK; DR. MADHUSMITA CHOUDHURY

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2022/07882

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony whereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 28th day of September 2022



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 Department of Industrial Policy & Promotion,
 Ministry of Commerce & Industry,
 Government of India

(<http://ipindia.nic.in/index.htm>)



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Application Details

APPLICATION NUMBER	202241073743
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/12/2022
APPLICANT NAME	1 . Dr. N. Narasimhulu 2 . Dr. Nageshwar Rao 3 . Dr. Saidulu Inamanamelluri 4 . Mrs. Badigenchala Shravani 5 . Dr. Jyoti Prasad Patra 6 . Dr. Pritesh Ramanlal Gugale 7 . Mr. Pathak Yogesh Arjun 8 . Dr. Pasupuleti Subrahmanya Ranjit 9 . Dr. Saubhagyalaxmi Singh 10 . Mr. R. Jeeva 11 . Dr. U. Urathal Alias Sri Swathiga 12 . Dr. V. Sasikala
TITLE OF INVENTION	IOT BASED ELECTRIC VEHICLE CONTROL SYSTEMS IN SMART CITIES
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	cldcresearch@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/12/2022

(54) Title of the invention : A DISEASE VULNERABILITY AND COMBAT MAPPING MODEL FOR TRIBAL FORTIFICATION USING GEOSPATIAL

<p>(51) International classification :G06F0016290000, G06F0021570000, G16H0070600000, G06Q0050220000, G06F0030200000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No :NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Prafulla Kumar Panda Address of Applicant :Associate Professor of Civil Engineering, Centurion University of Technology and Management, Odisha, Pin Code:761211 Gajapati -----</p> <p>2)Dr. M. L. Narasimham 3)Prof. (Dr.) L. V. Murali Krishna 4)Prof. Sovan Sankalp 5)Dr. Bibhuti Bhusan Sahoo 6)Dr. Rajib Kumar Majhi 7)Dr. Smruti Rekha Sahoo 8)Dr. Rahul Adhikary 9)Dr. Abinash Mohanta 10)Dr. Arpan Pradhan 11)Dr. Chitaranjan Dalai 12)Dr. Aparupa Pani 13)Dr. Monalisa Mallick</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Prafulla Kumar Panda Address of Applicant :Associate Professor of Civil Engineering, Centurion University of Technology and Management, Odisha, Pin Code:761211 Gajapati -----</p> <p>2)Dr. M. L. Narasimham Address of Applicant :Academic Advisor, University College of Engineering, Kakinada University College of Engineering, Kakinada, Andhra Pradesh, Pin Code: 500072. Kakinada -----</p> <p>3)Prof. (Dr.) L. V. Murali Krishna Address of Applicant :Dr. Raja Ramanna Distinguished Fellow, DRDO, Adjunct Professor AIT, Bangkok and Director R&D, JNTUH, Hyderabad, Pin Code: 500085 Hyderabad -----</p> <p>4)Prof. Sovan Sankalp Address of Applicant :Assistant Professor of Civil Engineering, Centurion University of Technology and Management, Odisha, Pin Code: 761211 Gajapati -----</p> <p>5)Dr. Bibhuti Bhusan Sahoo Address of Applicant :Assistant Professor of Agricultural Engineering, Centurion University of Technology and Management, Odisha, Pin Code: 761211 Gajapati -----</p> <p>6)Dr. Rajib Kumar Majhi Address of Applicant :Assistant Professor of Civil Engineering, Centurion University of Technology and Management, Odisha, Pin Code: 761211 Gajapati -----</p> <p>7)Dr. Smruti Rekha Sahoo Address of Applicant :Assistant Professor in Department of Geology, Fakir Mohan University, Balasore, Odisha, Pin Code: 756089 Balasore -----</p> <p>8)Dr. Rahul Adhikary Address of Applicant :Associate Professor, Department of Soil Science and Agriculture chemistry, MSSSoA, Centurion University of Technology and Management, Odisha, Pin Code:761211 Gajapati -----</p> <p>9)Dr. Abinash Mohanta Address of Applicant :Assistant Professor, Vellore Institute of Technology, Vellore, Tamil Nadu, Pin Code: 632014 Vellore -----</p> <p>10)Dr. Arpan Pradhan Address of Applicant :Assistant Professor, CHRIST (Deemed to be University), School of Engineering and Technology, Bangalore Kengeri Campus, Kanmanike, Kumbalgodu, Mysore Road, Bangalore, Pin Code: 560074 Bangalore -----</p> <p>11)Dr. Chitaranjan Dalai Address of Applicant :Assistant Professor of Civil Engineering, Odisha University of Technology and Research, Bhubaneswar, Odisha, Pin Code: 751029 Bhubaneswar -----</p> <p>12)Dr. Aparupa Pani Address of Applicant :Assistant Professor of Civil Engineering, Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha, Pin Code: 751024 Bhubaneswar -----</p> <p>13)Dr. Monalisa Mallick Address of Applicant :Associate Professor of Civil Engineering, ST. MARTIN'S ENGINEERING COLLEGE, Dhulapally, Secunderabad, Telengana, Pin Code: 500100 Dhulapally -----</p>
---	---

(57) Abstract :

The present invention relates to a disease vulnerability and combat mapping model for tribal fortification using geospatial. The system (100) comprises a computing unit, a data storage unit, a geographic information (GIS) unit and a display unit. The disease vulnerability and combat mapping model for tribal fortification using geospatial can use for the identification of most prevalent diseases causing parameters leading to health impairment in the tribal population in the particular area. The disease vulnerability and combat mapping model for tribal fortification using geospatial can use for the mapping pockets that are most vulnerable for the diseases and evaluation of disease vulnerability index for the particular area.

No. of Pages : 19 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202231075297 A

(19) INDIA

(22) Date of filing of Application :25/12/2022

(43) Publication Date : 30/12/2022

(54) Title of the invention : A METHOD FOR STUDY RISK MITIGATION AND MANAGEMENT IN AGRICULTURAL PRACTICES AMONG FARMERS USING ICT

<p>(51) International classification :H04L0067520000, G06Q0050020000, G01C0021000000, G07C0005020000, B60W0040100000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr Prafulla Kumar Panda Address of Applicant :Associate Professor of Civil Engineering, Centurion University of Technology and Management, Odisha,761211, India ----- --- 2)Prof Sovan Sankalp 3)Dr Bibhuti Bhusan Sahoo 4)Dr Rajib Kumar Majhi 5)Dr Rahul Adhikary 6)Mr. Bishnuprasad Dash 7)Dr Ramesh Panda 8)Mr. B. Bikram Narayan Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr Prafulla Kumar Panda Address of Applicant :Associate Professor of Civil Engineering, Centurion University of Technology and Management, Odisha,761211, India ----- --- 2)Prof Sovan Sankalp Address of Applicant :Assistant Professor of Civil Engineering, Centurion University of Technology and Management, Odisha, 761211, India ----- --- 3)Dr Bibhuti Bhusan Sahoo Address of Applicant :Assistant Professor of Agricultural Engineering, Centurion University of Technology and Management, Odisha, 761211, India ----- --- 4)Dr Rajib Kumar Majhi Address of Applicant :Assistant Professor of Civil Engineering, Centurion University of Technology and Management, Odisha, 761211, India ----- --- 5)Dr Rahul Adhikary Address of Applicant :Associate Professor, Department of Soil science and Agriculture chemistry, MSSSoA, Centurion University of Technology and Management, Odisha, 761211, India ----- 6)Mr. Bishnuprasad Dash Address of Applicant :Assistant Professor, Department of Soil science and Agriculture chemistry, MSSSoA, Centurion University of Technology and Management, Odisha, 761211,India ----- 7)Dr Ramesh Panda Address of Applicant :Chief Scientist, We Grow Private Limited, Bhubaneswar, Odisha, 751024,India ----- 8)Mr. B. Bikram Narayan Address of Applicant :Assistant Professor of Civil Engineering, Centurion University of Technology and Management, 761211,India -----</p>
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(57) Abstract :

A METHOD FOR STUDY RISK MITIGATION AND MANAGEMENT IN AGRICULTURAL PRACTICES AMONG FARMERS USING ICT ABSTRACT The present invention relates to a method (100) for study the Influential behavior and farmer's intention for using ICT based techniques for risk mitigation and management in agricultural practices among the farmers in Odisha. The method (100) comprises a memory unit and a processor. The method (100) provides information to understand the elements that affect farmers' behavioral intentions helps extension service providers (public and private), policy makers, and other interested parties create programs and policies that will work. The method (100) provides information generate the results to show perceptions of behavioral control, subjective norms, and attitude were the three factors that had the greatest influence on intention. Also, the method (100) provides information to understand the elements that affect farmers' behavioral intentions helps extension service providers (public and private), policy makers, and other interested parties create programs and policies that will work.

No. of Pages : 14 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
 (19) INDIA
 (22) Date of filing of Application :07/09/2022

(21) Application No.202241051178 A
 (43) Publication Date : 16/09/2022

(54) Title of the invention : MACHINE LEARNING BASED STUDY TO ANALYSE THE EFFICACY OF EXISTING DRUGS ALONG SKEWING OF IRRELEVANT TUPLES

(51) International classification C22C0038120000, C21D0006000000, C22C0038140000, H04W0052020000, C21D0008020000
 (86) International Application No PCT/
 Filing Date 01/01/1900
 (87) International Publication No -NA
 (61) Patent of Addition to Application Number NA
 Filing Date NA
 (62) Divisional to Application Number NA
 Filing Date NA

(71) Name of Applicant :
1)Dr. D. KAVITHA
 Address of Applicant ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS, ST. PETER'S INSTITUTE OF HIGHER EDUCATION AND RESEARCH CHENNAI -----
2)Dr.N.NANDHINI
3)Dr AKSHAY D. MESHARAM
4)SANJAY KUMAR GUPTA
5)HRUDESH PRIYADARSAN SAHOO
6)Dr.CHANDRA SEKHAR BARIK
7)DEBGOPAL GANGULY
8)SATYABRATA JENA
9)MITHILESH KUMAR
10)Dr.AMARESH CHANDRA SAHOO
11)Dr. SUJIT DASH
12)Dr. PRABHAT KUMAR SAHOO
 Name of Applicant : NA
 Address of Applicant : NA
 (72) Name of Inventor :
1)Dr. D. KAVITHA
 Address of Applicant ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS, ST. PETER'S INSTITUTE OF HIGHER EDUCATION AND RESEARCH CHENNAI -----
2)Dr.N.NANDHINI
 Address of Applicant ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER APPLICATIONS, SNS COLLEGE OF TECHNOLOGY, COIMBATORE. 641035 COIMBATORE -----
3)Dr AKSHAY D. MESHARAM
 Address of Applicant ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY ST WILFRED INSTITUTE OF PHARMACY PANVEL MUMBAI PANVEL, MUMBAI -----
4)SANJAY KUMAR GUPTA
 Address of Applicant ASST PROFESSOR, DEPARTMENT OF PHARMACEUTICS, GLOBAL COLLEGE OF PHARMACY, MOINABAD, 501504 HYDERABAD -----
5)HRUDESH PRIYADARSAN SAHOO
 Address of Applicant ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA BHUBANESWAR -----
6)Dr.CHANDRA SEKHAR BARIK
 Address of Applicant ASST PROFESSOR, DEPARTMENT OF PHARMACOLOGY, INSTITUTE OF PHARMACY AND TECHNOLOGY, SALIPUR, CUTTACK-754202 CUTTACK -----
7)DEBGOPAL GANGULY
 Address of Applicant ASSISTANT PROFESSOR, SCHOOL OF PHARMACY, SEACOM SKILLS UNIVERSITY, BOLPUR, BIRBHUM, WEST BENGAL, -731236 BOLPUR -----
8)SATYABRATA JENA
 Address of Applicant ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, BHASKAR PHARMACY COLLEGE, HYDERABAD, 500075 HYDERABAD -----
9)MITHILESH KUMAR
 Address of Applicant ASST. PROFESSOR, FACULTY OF PHARMACY, KAMLA NEHRU INSTITUTE OF MANAGEMENT AND TECHNOLOGY, SULTANPUR (U.P)- 228119 SULTANPUR -----
10)Dr.AMARESH CHANDRA SAHOO
 Address of Applicant ASST PROFESSOR, DEPARTMENT OF PHARMACEUTICS, INSTITUTE OF PHARMACY AND TECHNOLOGY, SALIPUR, CUTTACK, 754202 CUTTACK -----
11)Dr. SUJIT DASH
 Address of Applicant ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOGNOSY, INSTITUTE OF PHARMACY & TECHNOLOGY, SALIPUR, CUTTACK-754202 CUTTACK -----
12)Dr. PRABHAT KUMAR SAHOO
 Address of Applicant ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, INSTITUTE OF PHARMACY & TECHNOLOGY, SALIPUR, CUTTACK-754202 SALIPUR -----

(57) Abstract
 Machine learning based study to analyse the efficacy of existing drugs along skewing of irrelevant tuples is the proposed invention. The proposed invention aims at utilizing the algorithms of machine learning to analyse the efficacy of existing drugs. The invention aims at skewing of irrelevant with the intention of studying the accuracy of various drugs.

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241069847 A

(19) INDIA

(22) Date of filing of Application :03/12/2022

(43) Publication Date : 30/12/2022

(54) Title of the invention : SYSTEMATIC APPROACH FOR ANALYZING THE IMPORTANCE OF NECTIN-4 AS SOLUBLE BIOMARKERS FOR THE DETECTION OF CANCER

(51) International classification : A61P0035000000, C12N0015100000, C07K0016280000, G01N0033574000, A61K0047550000

(86) International Application No : PCT/

Filing Date : 01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number : NA

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(62) Divisional to Application Number : NA

Filing Date : NA

(71)Name of Applicant :

1)Dr. JAYANTHI KUMARAVELU
Address of Applicant ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY AND BIOTECHNOLOGY, FACULTY OF ARTS AND SCIENCE, BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH, CHENNAI 600073 CHENNAI -----

2)T.ROHIT SINGH

3)Dr. JAIDEV KUMAR

4)Dr.SOUNDARARAJAN.S

5)ASHA SAMBHAJI JADHAV

6)Dr.V.SREEDEVI

7)Dr HANUMANTHACHAR JOSHI

8)Dr SUMANTA BHATTACHARYA

9)Dr SURENDRA KUMAR YADAV

10)Dr.A.SASI KUMAR

11)HRUDESH PRIYADARSHAN SAHOO

12)Dr.M.THENMOZHI

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. JAYANTHI KUMARAVELU
Address of Applicant ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY AND BIOTECHNOLOGY, FACULTY OF ARTS AND SCIENCE, BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH, CHENNAI 600073 CHENNAI -----

2)T.ROHIT SINGH
Address of Applicant ASSOCIATE PROFESSOR DEPARTMENT OF PHARMACOLOGY MALLA REDDY INSTITUTE OF MEDICAL SCIENCES, HYDERABAD HYDERABAD -----

3)Dr. JAIDEV KUMAR
Address of Applicant ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, HARIOM SARASWATI P. G. COLLEGE DHANAURI, ROORKEE, UTTARAKHAND, PIN- 247667 ROORKEE ----

4)Dr.SOUNDARARAJAN.S
Address of Applicant PROFESSOR, COMPUTER SCIENCE AND ENGINEERING, VELAMMAL INSTITUTE OF TECHNOLOGY, CHENNAI 601 204 CHENNAI -----

5)ASHA SAMBHAJI JADHAV
Address of Applicant ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, BHARATI VIDYAPEETH COLLEGE OF PHARMACY, KOLHAPUR, PIN NO-416013 KOLHAPUR -----

6)Dr.V.SREEDEVI
Address of Applicant ASST PROFESSOR OF ZOOLOGY, GOVT CITY COLLEGE(A), HYDERABAD, 500002 HYDERABAD -----

7)Dr HANUMANTHACHAR JOSHI
Address of Applicant PRINCIPAL, SARADA VILAS COLLEGE OF PHARMACY, MYSURU, KARNATAKA-570004 Mysuru -----

8)Dr SUMANTA BHATTACHARYA
Address of Applicant RESEARCH SCHOLAR, TEXTILE TECHNOLOGY, MAKAUT, KOLKATA, 700064 KOLKATA -----

9)Dr SURENDRA KUMAR YADAV
Address of Applicant ADVOCATE & SCIENTIFIC CONSULTANT, 37, OLD ROSHAN PURA EXTENSION, A-BLOCK, NAJAFGARH, NEW DELHI -110043, INDIA NEW DELHI -----

10)Dr.A.SASI KUMAR
Address of Applicant PROFESSOR (MENTOR-IT - INURTURE EDUCATION SOLUTIONS PVT LTD, BANGALORE), DEPARTMENT OF CLOUD TECHNOLOGY & DATA SCIENCE, INSTITUTE OF ENGINEERING & TECHNOLOGY, SRINIVAS UNIVERSITY, SRINIVAS NAGAR, MUKKA, SURATHKAL, MANGALORE-574146, DAKSHINA KANNADA DISTRICT, KARNATAKA STATE, INDIA MANGALORE -----

11)HRUDESH PRIYADARSHAN SAHOO
Address of Applicant ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, SCHOOL OF PHARMACY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, GOPALPUR, BALASORE, ODISHA, 756044 BALASORE -----

12)Dr.M.THENMOZHI
Address of Applicant ASSOCIATE PROFESSOR, DEPARTMENT OF BIOTECHNOLOGY, VELS INSTITUTE OF SCIENCE TECHNOLOGY AND ADVANCED STUDIES, CHENNAI - 600 117 CHENNAI -----

(57) Abstract
Systematic Approach for Analyzing the Importance of Nectin-4 As Soluble Biomarkers for the Detection of Cancer is the proposed invention. The invention focuses on designing the pros and cons of Nectin-4. The Nectin-4 which is a soluble biomarker that is used for detection of cancer.

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241071402 A

(19) INDIA

(22) Date of filing of Application :10/12/2022

(43) Publication Date : 30/12/2022

(54) Title of the invention : A METHODOLOGY TO ANALYSE THE IMAGES OF KIDNEY CAPTURED USING MEDICAL MODALITIES FOR ANOMALY DETECTION WITH ALGORITHMS OF MACHINE LEARNING

(51) International classification G06N0020000000, G06N0003080000, G06K0009620000, A61N0007020000, G06N0003040000

(86) International Application No PCT//

Filing Date 01/01/1900

(87) International Publication No NA

(61) Patent of Addition to Application Number NA

Filing Date NA

(62) Divisional to Application Number NA

Filing Date NA

(71)Name of Applicant :
1)RAVI RAJA AKURATHI
 Address of Applicant :ASSISTANT PROFESSOR, ECE DEPARTMENT, VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE, VIJAYAWADA, 520007 VIJAYAWADA -

2)SUMALATHA A
3)SHEETHAL AJI MANI
4)HARIPRIYA M P
5)SUMITA KUMAR
6)DIKSHA MADHAV BHALERAO
7)POONAM KAPSE
8)Dr.D.KAMALAKKANNAN
9)Dr. MOHD ASIF SHAH,
10)Mr. HRUDESH PRIYADARSHAN SAHOO
11)Ms. REEMA DASH
12)Dr.A.SASI KUMAR
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)RAVI RAJA AKURATHI
 Address of Applicant :ASSISTANT PROFESSOR, ECE DEPARTMENT, VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE, VIJAYAWADA, 520007 VIJAYAWADA -----

2)SUMALATHA A
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, KRISTU JAY ANTI COLLEGE, AUTONOMOUS, K. NARAYANAPURA, KOTHANUR P.O. BENGALURU-560077 BENGALURU URBAN -----

3)SHEETHAL AJI MANI
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, KRISTU JAY ANTI COLLEGE, AUTONOMOUS, K. NARAYANAPURA, KOTHANUR P.O. BENGALURU-560077 BENGALURU URBAN -----

4)HARIPRIYA M P
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, KRISTU JAY ANTI COLLEGE, AUTONOMOUS, K. NARAYANAPURA, KOTHANUR P.O. BENGALURU-560077 BENGALURU URBAN -----

5)SUMITA KUMAR
 Address of Applicant :ASSISTANT PROFESSOR, BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) DEPARTMENT OF ENGINEERING AND TECHNOLOGY, NAVI MUMBAI, INDIA-400614 NAVI, MUMBAI -----

6)DIKSHA MADHAV BHALERAO
 Address of Applicant :ASSISTANT PROFESSOR, BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) DEPARTMENT OF ENGINEERING AND TECHNOLOGY, NAVI MUMBAI, INDIA-400614 NAVI MUMBAI -----

7)POONAM KAPSE
 Address of Applicant :ASSISTANT PROFESSOR, BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) DEPARTMENT OF ENGINEERING AND TECHNOLOGY, NAVI MUMBAI, INDIA, KHARGHAR -----

8)Dr.D.KAMALAKKANNAN
 Address of Applicant :PROFESSOR, BIOMEDICAL ENGINEERING, GNANAMANI COLLEGE OF TECHNOLOGY, NAMAKKAL 637018 NAMAKKAL -----

9)Dr. MOHD ASIF SHAH,
 Address of Applicant :ADJUNCT FACULTY, SCHOOL OF BUSINESS, WOXXEN UNIVERSITY, KAMKOLE, SADASIVPET, HYDERABAD, TELANGANA, INDIA, 502345 HYDERABAD -----

10)Mr. HRUDESH PRIYADARSHAN SAHOO
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, SCHOOL OF PHARMACY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, GOPALPUR, BALASORE, ODISHA-756044 BALASORE -----

11)Ms. REEMA DASH
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, THE PHARMACEUTICAL COLLEGE, BARPALI, TINGIPALI, BARPALI, DISTRICT- BARGARH, ODISHA-768029 BARPALI -----

12)Dr.A.SASI KUMAR
 Address of Applicant :PROFESSOR (MENTOR-IT – INURTURE EDUCATION SOLUTIONS PVT LTD, BANGALORE), DEPARTMENT OF CLOUD TECHNOLOGY & DATA SCIENCE, INSTITUTE OF ENGINEERING & TECHNOLOGY, SRINIVAS UNIVERSITY, SRINIVAS NAGAR, MUKKA, SURATHKAL, MANGALORE-574146, DAKSHINA KANNADA DISTRICT, KARNATAKA STATE, INDIA, MANGALORE -----

(57) Abstract :
 Methodology to Analyse the Images of Kidney Captured using Medical Modalities for Anomaly Detection with Algorithms of Machine Learning is the proposed invention. The invention focuses on predicting the kidney disease accurately. The images of kidney that are captured using various imaging modalities are stored on the database and analysed using algorithms of machine learning.

No. of Pages : 14 No. of Claims : 5

(54) Title of the invention : A NEW APPROACH FOR A THERMAL POWER PLANT BY ADAPTIVE CONTROL CASCADED WITH COMBUSTION FLAME IMAGES FOR OPTIMIZED COMBUSTOR

(51) International classification :H04L0005000000, H04J0011000000, A61B0005145000, H04L0009320000, G05B0013040000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr.J.CHITRA
 Address of Applicant :ASSOCIATE PROFESSOR/BME, DR.NG.P INSTITUTE OF TECHNOLOGY, COIMBATORE, 641048 COIMBATORE -----
2)MUKESH SHARMA
3)Dr.P.SELVARAJ
4)Dr. PASUPULETI SUBRAHMANYA RANJIT
5)V.RAVI RAJ
6)Dr. JAIDEV KUMAR
7)G.SRIDEVI
8)MOHD ASIF SHAH
9)Dr JYOTI PRASAD PATRA
10)AMIT MARMAT
11)RITESH NAGAR
12)DWARIKA PRASAD JAISWAL
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)Dr.J.CHITRA
 Address of Applicant :ASSOCIATE PROFESSOR/BME, DR.NG.P INSTITUTE OF TECHNOLOGY, COIMBATORE, 641048 COIMBATORE -----
2)MUKESH SHARMA
 Address of Applicant :ASSISTANT PROFESSOR, MECHANICAL ENGINEERING DEPARTMENT ORIENTAL UNIVERSITY, INDORE 453555 INDORE -----
3)Dr.P.SELVARAJ
 Address of Applicant :PROFESSOR DEPARTMENT OF EEE SRI VENKATESWARA ENGINEERING COLLEGE KARAKAMBADI ROAD TIRUPATI AP 517507 TIRUPATI -----
4)Dr. PASUPULETI SUBRAHMANYA RANJIT
 Address of Applicant :PROFESSOR, DEPT. OF MECHANICAL ENGINEERING, ADITYA ENGINEERING COLLEGE(A), SURAMPALEM - 533437 SURAMPALEM -----
5)V.RAVI RAJ
 Address of Applicant :ASSOCIATE PROFESSOR/DEPARTMENT OF MECHANICAL ENGINEERING,SRI SAIRAM ENGINEERING COLLEGE, CHENNAI -600045 CHENNAI -----
6)Dr. JAIDEV KUMAR
 Address of Applicant :HARIOM SARASWATI P. G. COLLEGE DHANAURI, ROORKEE, UTTARAKHAND, PIN- 247667 ROORKEE -----
7)G.SRIDEVI
 Address of Applicant :ASSISTANT PROFESSOR, MECHANICAL ENGINEERING DEPARTMENT, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA, 761211 PARALAKHEMUNDI -----
8)MOHD ASIF SHAH
 Address of Applicant :ADJUNCT FACULTY, SCHOOL OF BUSINESS, WOXSEN UNIVERSITY, KAMKOLE, SADASIVPET, HYDERABAD, TELANGANA, INDIA, 502345 HYDERABAD -----
9)Dr JYOTI PRASAD PATRA
 Address of Applicant :FACULTY ELECTRICAL ODISHA UNIVERSITY OF TECHNOLOGY AND RESEARCH OUTR MAHALAXMI VIHAR GHATIKIA TECHNO CAMPUS BHUBANESWAR ODISHA INDIA GOV'T OF ODISHA 751029 BHUBANESWAR -----
10)AMIT MARMAT
 Address of Applicant :FACULTY OF ELECTRONIC AND COMMUNICATION ENGINEER DEPARTMENT, SCHOOL OF ENGINEERING AND TECHNOLOGY, VIKRAM UNIVERSITY UJJAIN UJJAIN -----
11)RITESH NAGAR
 Address of Applicant :FACULTY OF ELECTRICAL ENGINEER DEPARTMENT, SCHOOL OF ENGINEERING AND TECHNOLOGY, VIKRAM UNIVERSITY UJJAIN UJJAIN -----
12)DWARIKA PRASAD JAISWAL
 Address of Applicant :MECHANICAL ,SOET VIKRAM.UNIVERSITY , UJJAIN,45610 UJJAIN -----

(57) Abstract :
 A new approach for a thermal power plant by adaptive control cascaded with combustion flame images for optimized combustor is the proposed invention. The proposed invention focuses on implementing a new approach for a thermal power. The invention aims are cascading adaptive control on combustion flame images for optimized combustor.

No. of Pages : 13 No. of Claims : 6

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 105 972

Bezeichnung:

Ein System für einen programmierbaren, zeitgesteuerten, drahtlosen Sensor-Knoten mit Energiegewinnung, der einen Funkzugang mit großer Reichweite nutzt

IPC:

H04W 52/00

Inhaber/Inhaberin:

Bajaj, Mohit, Dr., Roorkee, Uttarakhand, IN
Behera, Sasmita, Dr., Burla, Odisha, IN
Giri, Nimay Chandra, Prof., Jatni, Odisha, IN
Mehta, Shilpa, Dr., Tigriria, Odisha, IN
Mishra, Prasheet, Bhubaneswar, Odisha, IN
Panda, Ramesh Chandra, Dr., Bhubaneswar, Odisha, IN
Paul, Kaushik, Dr., Sindri, Jharkhand, IN
Routray, Sangram Kishore, Prof., Jatni, Odisha, IN
Sengar, Namrata, Dr., Kota, Rajasthan, IN

Tag der Anmeldung:

22.10.2022

Tag der Eintragung:

17.11.2022

Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

München, 17.11.2022





Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202241073393
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/12/2022
APPLICANT NAME	1 . Dr. S. Vanithamani 2 . N. Chellapandi 3 . Dr. S. Suganya 4 . Mr. Rajeev Ratna Vallabhuni 5 . Satheesh S 6 . Dr. K. Amudha 7 . Dr. Mohammed Siddique 8 . Dr. A Rohini 9 . Dr. S. Balu 10 . Mr. K. Palanivel 11 . Dr. V. Kannan 12 . Mr. J Logeshwaran
TITLE OF INVENTION	BANANA LEAF DISEASE DETECTION USING CNN – OPEN CV-DEEP LEARNING APPROACH
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	cldcresearch@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/12/2022

Application Status

(54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING AMLODIPINE FOR RETINAL TRANSSYNAPTIC NEURONAL PROTECTION AND METHODS THEREOF

<p>(51) International classification :A61K0031442200, A61P0027060000, A61K0031417800, A61P0009000000, A61K0009060000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Centurion University of Technology and Management Address of Applicant :Ramchandrapur, P.O. – Jatni, Bhubaneswar 752050, Odisha, India Bhubaneswar ----</p> <p>-----</p> <p>2)NANDA, Ashirbad 3)SAHOO, Rudra Narayan 4)PATTNAIK, Gurudutta 5)KANHAR, Satish 6)PANDA, Brajabihari 7)SAMANTARAY, Biswajit 8)ROUT, Sagar 9)PANDA, Himansu Sekhor 10)BISWAL, Snehanjana 11)SAHOO, Smruti Smaranika 12)PRIYANKA, Kumari 13)PRIYADARSHINI, Priyanka</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)NANDA, Ashirbad Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p> <p>2)SAHOO, Rudra Narayan Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p> <p>3)PATTNAIK, Gurudutta Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p> <p>4)KANHAR, Satish Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p> <p>5)PANDA, Brajabihari Address of Applicant :School of Pharmaceutical Sciences, Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar 751003, Odisha, India Bhubaneswar -----</p> <p>6)SAMANTARAY, Biswajit Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p> <p>7)ROUT, Sagar Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p> <p>8)PANDA, Himansu Sekhor Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p> <p>9)BISWAL, Snehanjana Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p> <p>10)SAHOO, Smruti Smaranika Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p> <p>11)PRIYANKA, Kumari Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p> <p>12)PRIYADARSHINI, Priyanka Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar -----</p>
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(57) Abstract :

The present invention generally relates to the field of pharmacology and medical biochemistry. Particularly, the present disclosure relates to a pharmaceutical composition for retinal transsynaptic neuronal protection comprising amlodipine optionally along with pharmaceutically acceptable excipient(s). The present disclosure also relates to a method for retinal transsynaptic neuronal protection in a subject having glaucoma and a method for managing glaucoma in a subject in need thereof, comprising administering the subject with amlodipine or the composition of the present disclosure.

No. of Pages : 28 No. of Claims : 9

(54) Title of the invention : MACHINE LEARNING BASED TECHNIQUE TO ANALYZE THE PROS AND CONS OF IN-SITU GEL FORMATION CONTAINING ALOE VERA EXTRACT

(51) International classification :A61K0036886000, G06N0020000000, A61K0036896000,
A61K0008979400, A61K0039395000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to :NA
Application Number :NA
Filing Date :NA
(62) Divisional to Application :NA
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr. SANAM NAGENDRAM
Address of Applicant :ASSOCIATE PROFESSOR,DEPT OF ARTIFICIAL INTELLIGENCE,KSR & KKR INSTITUTE OFTECNOLOGY, GUNTUR GUNTUR -----
2)Dr. A. KARTHICK KUMAR
3)RAHUL PUNDLIKRAO UMBARKAR
4)Mr. NITIN BAPURAO KOHALE
5)DARSHANAM VIJAYKUMAR
6)Dr. BHAGYASHREE DESHPANDE
7)Dr.VARSHA CHANDRAKAR
8)MOHD ASIF SHAH
9)Ms. SHUBHASHREE DAS
10)Dr.A.SASI KUMAR
11)Dr. VIJAY KUMAR SALVIA
12)DEBLINA PAL
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. SANAM NAGENDRAM
Address of Applicant :ASSOCIATE PROFESSOR,DEPT OF ARTIFICIAL INTELLIGENCE,KSR & KKR INSTITUTE OFTECNOLOGY, GUNTUR GUNTUR -----
2)Dr. A. KARTHICK KUMAR
Address of Applicant :ASSISTANT PROFESSOR/ DEPARTMENT OF BIOTECHNOLOGY, SELVAMM ARTS AND SCIENCE COLLEGE (AUTONOMOUS), NAMAKKAL,637003 NAMAKKAL -----
3)RAHUL PUNDLIKRAO UMBARKAR
Address of Applicant :PHD SCHOLAR, NIMS UNIVERSITY JAIPUR RAJASTHAN 303121 JAIPUR -----
4)Mr. NITIN BAPURAO KOHALE
Address of Applicant :PHD SCHOLAR, NIMS UNIVERSITY, JAIPUR JAIPUR -----
5)DARSHANAM VIJAYKUMAR
Address of Applicant :ASSISTANT PROFESSOR, PHARMACEUTICS, SWAMI VIVEKANANDA INSTITUTE OF PHARMACEUTICAL SCIENCES, VANGAPALLY, 508286 YADAGIRIGUTTA -----
6)Dr. BHAGYASHREE DESHPANDE
Address of Applicant :ASSISTANT PROFESSOR,SCHOOL OF SCIENCES,MATS UNIVERSITY,RAIPUR RAIPUR -----
7)Dr.VARSHA CHANDRAKAR
Address of Applicant :ASSISTANT PROFESSOR, DEPT. OF BIOTECHNOLOGY AND MICROBIOLOGY,BHILAI MAHILA MAHAVIDYALAY A,BHILAI BHILAI -----
8)MOHD ASIF SHAH
Address of Applicant :ADJUNCT FACULTY, SCHOOL OF BUSINESS, WOXSSEN UNIVERSITY, KAMKOLE, SADASIVPET, HYDERABAD, TELANGANA, INDIA, 502345 HYDERABAD -----
9)Ms. SHUBHASHREE DAS
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS,SCHOOL OF PHARMACY AND LIFESCIENCES, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR,752050 BHUBANESWAR -----
10)Dr.A.SASI KUMAR
Address of Applicant :PROFESSOR (MENTOR-IT – INURTURE EDUCATION SOLUTIONS PVT LTD, BANGALORE), DEPARTMENT OF CLOUD TECHNOLOGY & DATA SCIENCE, INSTITUTE OF ENGINEERING & TECHNOLOGY, SRINIVAS UNIVERSITY, SRINIVAS NAGAR, MUKKA, SURATHKAL, MANGALORE-574146, DAKSHINA KANNADA DISTRICT, KARNATAKA STATE, INDIA. MANGALORE -----
11)Dr. VIJAY KUMAR SALVIA
Address of Applicant :PROFESSOR(ECE)-DIRECTOR/RESEARCH INNOVATION START UP UNIVERSITY, REGD., INDORE-452018 INDORE -----
12)DEBLINA PAL
Address of Applicant :DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY, SCHOOL OF MEDICAL SCIENCES,ADAMAS UNIVERSITY,KOLKATA-700126 KOLKATA -----

(57) Abstract :
Machine Learning based technique to analyze the Pros and Cons of In-situ gel formation containing Aloe Vera extract is the proposed invention. The proposed invention focuses on analyzing the pros and cons of In-situ gel. The In-situ gel is formulated using the aloe vera extracts that are considered for the study.

No. of Pages : 13 No. of Claims : 6

(54) Title of the invention : SYSTEMATIC APPROACH TO ANALYZE THE IMPORTANCE OF NANOPARTICLES FOR PROVIDING TREATMENT THROUGH INTERVENTIONAL CARDIOLOGY

(51) International classification :A61B0005000000, C12N0015100000, G06F0011360000, A61K0033243000, A61M0025000000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SHUBHASHREE DAS
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, SCHOOL OF PHARMACY AND LIFE SCIENCES, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, RAMACHANDRAPUR, JATNI, ODISHA, INDIA, 752050 BHUBANESWAR -----

2)RADHESH ATUL BOBDEY
3)PRASHANT B THAKARE
4)Dr. ATUL D BOBDEY
5)Dr.ABDUL HAFEEZ
6)AJAY SINGH SARTHII
7)ISHWARI CHOUDHARY
8)ANJALI PATEL
9)SHAILENDRA SARAF
10)SWARNLATA SARAF
11)Dr. KRANTI KIRAN REDDY EALLA
12)PRAVEEN KUMAR POOLA
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)SHUBHASHREE DAS
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, SCHOOL OF PHARMACY AND LIFE SCIENCES, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, RAMACHANDRAPUR, JATNI, ODISHA, INDIA, 752050 BHUBANESWAR -----

2)RADHESH ATUL BOBDEY
Address of Applicant :APJ ABDUL KALAM UNIVERSITY, INDORE (MP) 452016 INDORE -----

3)PRASHANT B THAKARE
Address of Applicant :DR. KHATRI ACS COLLEGE, TUKUM, CHANDRAPUR- 442401 CHANDRAPUR - -----

4)Dr. ATUL D BOBDEY
Address of Applicant :SSES AMT'S SCIENCE COLLEGE, NAGPUR-440012 NAGPUR -----
5)Dr.ABDUL HAFEEZ
Address of Applicant :GLOCAL SCHOOL OF PHARMACY, GLOCAL UNIVERSITY, MIRZAPUR POLE DISTRICT SAHARANPUR UTTAR PRADESH INDIA 247121 SAHARANPUR -----
6)AJAY SINGH SARTHII
Address of Applicant :ASSISTANT PROFESSOR, RUNGTA COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH, RAIPUR, C.G., INDIA, 492001 RAIPUR -----
7)ISHWARI CHOUDHARY
Address of Applicant :ASSISTANT PROFESSOR, RAIGARH COLLEGE OF PHARMACY, RAIGARH, C.G., INDIA, 496001 RAIGARH -----
8)ANJALI PATEL
Address of Applicant :ASSISTANT PROFESSOR, RUNGTA COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH, BHILAI, C.G., INDIA, 490023 BHILAI -----
9)SHAILENDRA SARAF
Address of Applicant :PROFESSOR, UNIVERSITY INSTITUTE OF PHARMACY, PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR, C.G., INDIA, 492010 RAIPUR -----
10)SWARNLATA SARAF
Address of Applicant :PROFESSOR, UNIVERSITY INSTITUTE OF PHARMACY, PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR, C.G., INDIA, 492010 RAIPUR -----
11)Dr. KRANTI KIRAN REDDY EALLA
Address of Applicant :DIRECTOR FOR RESEARCH AND INTERNATIONAL AFFAIRS DEPARTMENT OF ORAL & CRANIO-MAXILLOFACIAL PATHOLOGY MALLA REDDY INSTITUTE OF DENTAL SCIENCES MALLA REDDY HEALTH CITY QUTHBULLAPUR, HYDERABAD, TELANGANA, INDIA - 500055 HYDERABAD -----
12)PRAVEEN KUMAR POOLA
Address of Applicant :ASSISTANT PROFESSOR, SCHOOL OF ENGINEERING, FRESHMAN ENGINEERING DEPARTMENT, MALLAREDDY UNIVERSITY, HYDERABAD -500043 HYDERABAD -----

(57) Abstract :
Systematic approach to analyze the Importance of Nanoparticles for Providing Treatment through Interventional Cardiology is the proposed invention. The proposed invention focuses on implementing a framework that will analyze the properties of various nano particles in treating heart issues. The proposed invention aims at finding the best treatment for interventional cardiology.

No. of Pages : 13 No. of Claims : 6

(54) Title of the invention : DESIGNING A FRAMEWORK FOR IDENTIFYING THE IMPACT OF COMBINATIONAL THERAPY FOR TREATING MELANOMA WITH TRADITIONAL CHEMOTHERAPY AND TARGETED DELIVERY OF DRUG

(51) International classification :A61P0035000000, A61K0009000000, A61K0045060000, A61K0033243000, A61K0047540000

(86) International Application No :PCT//
 Filing Date :01/01/1900

(87) International Publication No :NA

(61) Patent of Addition to :NA
 Application Number :NA
 Filing Date :NA

(62) Divisional to Application :NA
 Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)Dr. KANCHANA N.DUSSA
 Address of Applicant :PROFESSOR & HEAD OF THE DEPARTMENT, DEPARTMENT OF PHARMACY PRACTICE, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----

2)Dr. A VENKATESHWAR REDDY
3)Mrs. AYUSHI PRADHAN
4)Mrs. USHA KONDLA
5)Dr. LUBHAN SINGH
6)Dr. SANA AMREEN
7)Dr. UMAMA THEREEM
8)Dr. SOBIA NOOR
9)Ms.ASMA BADER
10)Mr. SATYABRATA JENA
11)Ms. RABIA BASRA
12)Ms. HUMAIRA FATIMA

Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)Dr. KANCHANA N.DUSSA
 Address of Applicant :PROFESSOR & HEAD OF THE DEPARTMENT, DEPARTMENT OF PHARMACY PRACTICE, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----

2)Dr. A VENKATESHWAR REDDY
 Address of Applicant :PROFESSOR & PRINCIPAL, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----

3)Mrs. AYUSHI PRADHAN
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS,SCHOOL OF PHARMACY AND LIFESCIENCES,CENTURION UNIVERSITY OF TECHNOLOGYAND MANAGEMENT BHUBANESWAR,BHUBANESWAR, 752050 BHUBANESHWAR -----

4)Mrs. USHA KONDLA
 Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL ANALYSIS AND QUALITY ASSURANCE, AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES,GUNTHAPALLI,ABDHULAPUR MET, NEAR RAMOJI FILM CITY, HYDERABAD-501512 HYDERABAD -----

5)Dr. LUBHAN SINGH
 Address of Applicant :PROFESSOR , DEPARTMENT OF PHARMACOLOGY, KHARVEL SUBHARTI COLLEGE OF PHARMACY, SWAMI VIVEKANAND SUBHARTI UNIVERSITY, MEERUT, UTTAR PRADESH, INDIA-250005 MEERUT -----

6)Dr. SANA AMREEN
 Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACY PRACTICE, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----

7)Dr. UMAMA THEREEM
 Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACY PRACTICE, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----

8)Dr. SOBIA NOOR
 Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACY PRACTICE, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----

9)Ms.ASMA BADER
 Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACOLOGY, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----

10)Mr. SATYABRATA JENA
 Address of Applicant :ASSOCIATE PROFESSOR, BHASKAR PHARMACY COLLEGE, YENKAPALLY, MOINABAD, HYDERABAD, TELANGANA-500075 HYDERABAD -----

11)Ms. RABIA BASRA
 Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACY PRACTICE, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----

12)Ms. HUMAIRA FATIMA
 Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACY PRACTICE, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD -----

(57) Abstract :
 Designing a framework for identifying the impact of combinational therapy for treating melanoma with traditional chemotherapy and targeted delivery of drug is the proposed invention. The invention focuses on analyzing the impact of combinational treatment of melanoma. The proposed invention aims at predicting the importance of combining novel drug delivery techniques along with chemotherapy for efficiently treating melanoma patients.

No. of Pages : 14 No. of Claims : 5

(51) International classification :A61B0005000000, A61B0005020000, A61K0036000000, A61K0031122000, B82Y0005000000
 (86) International Application No :PCT/
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :**1)Dr.Ashish Kumar Sarangi**

Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

2)Dr.Rudra Narayan Sahoo**3)Dr.Debasmita Dubey****4)Dr.Ashirbad Nanda****5)Dr.Subrat Kumar Tripathy****6)Dr.Santosh Kumar Swain****7)Dr.Gopal Krishna Purohit****8)Dr.Ishwar Chandra Behera****9)Dr.Sashi Bhusan Biswal****10)Dr. Rajesh Kumar Meher**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :**1)Dr.Ashish Kumar Sarangi**

Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

2)Dr.Rudra Narayan Sahoo

Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:752050 -----

3)Dr.Debasmita Dubey

Address of Applicant :Assistant Professor, Medical Research Laboratory, IMS and SUM Hospital, SOA deemed to be University, Bhubaneswar, Odisha, India. Pin Code:751003 -----

4)Dr.Ashirbad Nanda

Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, India. Pin Code:752050 -----

5)Dr.Subrat Kumar Tripathy

Address of Applicant :Professor, Department of Biochemistry, IMS & SUM Hospital, Bhubaneswar, Keisha, Odisha, India. Pin Code:751003 -----

6)Dr.Santosh Kumar Swain

Address of Applicant :Professor, Department of Otorhinolaryngology, IMS & SUM Hospital, Siksha 'O' Anusandhan University, Bhubaneswar, Odisha, India. Pin Code:751003 -----

7)Dr.Gopal Krishna Purohit

Address of Applicant :CEO & Co-Founder, Heredity Biosciences LLP Plot No: 273/3575, Mayfair Lagoon Road, Jayadev Vihar, Bhubaneswar, Odisha, India. Pin Code:751013 -----

8)Dr.Ishwar Chandra Behera

Address of Applicant :Professor, Department of Community Medicine, IMS AND SUM Hospital, Bhubaneswar, Odisha, India. Pin Code:751003 -----

9)Dr.Sashi Bhusan Biswal

Address of Applicant :Associate Professor, Department of Pharmacology, VSS Institute of Medical Sciences & Research (VIMSAR), Burla, Sambalpur, Odisha, India. Pin Code:768017 -----

10)Dr. Rajesh Kumar Meher

Address of Applicant :Postdoctoral Fellow, ACTRAC, Tata Memorial Centre, Mumbai, Maharashtra, India. Pin Code:410210 -----

(57) Abstract :

The present invention relates to the field of the nanorobotics in pharmaceutical sciences. The invention more particularly relates to application of nanorobotics in high-density pharmaceutical assay process. Nanorobotics is the technology of making machines or robots at or near the scale of a nanometre (10⁻⁹ metres). Machines built at the molecular level (nanomachines) may be utilised to remedy the human body's numerous diseases. Nanorobot's toolkit includes a medicine cavity, probes, knives, and chisels to remove blockages and plaque, microwave emitters and ultrasonic signal generators to destroy cancerous cells, two electrodes to heat the cell until it dies, and powerful lasers to burn away harmful material like arterial plaque. A cream incorporating nanorobots can remove the proper quantity of dead skin, excess oils, missing oils, natural moisturising components, and even achieve 'deep pore cleansing' Other uses include treating wounds, kidney stones, gout, parasites, cancer, and arteriosclerosis.

No. of Pages : 22 No. of Claims : 7

(54) Title of the invention : COMPOSITION FOR IMMUNOMODULATING AND NUTRACEUTICAL AND METHOD OF USE

(51) International classification :A23L0033135000, A61P0037020000, A61K0035747000, A61P0029000000, A61P0037000000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :**1)Mr. Darla Raju**

Address of Applicant :Assistant Professor Joginpalli B R Pharmacy College Survey No 156 To 162, Amdapur X Road, Yenkapally, Moinabad, Hyderabad, Telangana -500075, India -----

2)Dr. K. P. Jaiganesh**3)Dr. Punniyakoti Veeraveedu Thanikachalam****4)Dr DSNBK Prasanth****5)Mr. Sk Habibullah****6)Dr. Amit Kumar Jain****7)Mr. Yashwant Giri****8)Dr.R.Sathiyasundar****9)Dr. Aparark Vinayakrao Moholkar****10)Mrs. Gouthami Ammapalli****11)Mr.Souvik Sen****12)Dr. Krishnaraju Venkatesan**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :**1)Mr. Darla Raju**

Address of Applicant :Assistant Professor Joginpalli B R Pharmacy College Survey No 156 To 162, Amdapur X Road, Yenkapally, Moinabad, Hyderabad, Telangana -500075, India -----

2)Dr. K. P. Jaiganesh

Address of Applicant :Professor & Head, Department of Pharmacognosy and Phytochemistry, Al Shifa College of Pharmacy, Kizhattur, Poonthavanam (Post), Perinthalmanna, Malappuram (Dt.), Kerala- 679 325 -----

3)Dr. Punniyakoti Veeraveedu Thanikachalam

Address of Applicant :Professor Department of Pharmaceutical Chemistry, Saveetha College of Pharmacy, Saveetha Institute of Medical and Technical Sciences (SIMATS), Thandalam, Chennai, Tamilnadu India. -----

4)Dr DSNBK Prasanth

Address of Applicant :Associate Professor, Department of Pharmacognosy, KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada - 520010, Andhra Pradesh, India -----

5)Mr. Sk Habibullah

Address of Applicant :Research Scholar, Department of Pharmaceutics, School of Pharmaceutical Sciences, Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar, Odisha, India, 751003 -----

6)Dr. Amit Kumar Jain

Address of Applicant :Principal and Professor B. R. Nahata College of Pharmacy Faculty of Pharmacy Mandsaur University Mandsaur, Madhya Pradesh -----

7)Mr. Yashwant Giri

Address of Applicant :Assistant professor, Centurion University of Technology and management Ramachandrapur, Jatni- 752050, Khordha , Odisha, India -----

8)Dr.R.Sathiyasundar

Address of Applicant :Professor in pharmaceutical Analysis & Chemistry, Department of Pharmacy, Cheran college of pharmacy, Coimbatore, -----

9)Dr. Aparark Vinayakrao Moholkar

Address of Applicant :Associate Professor Department of Pharmaceutics Channabasweshwar Pharmacy College(Degree) Latur- 413512, Maharashtra, India -----

10)Mrs. Gouthami Ammapalli

Address of Applicant :Assistant Professor Department of Pharmacology Saveetha College of Pharmacy, Saveetha Institute of Medical and Technical Sciences (SIMATS), Saveetha University, Chennai, India -----

11)Mr.Souvik Sen

Address of Applicant :Lecturer, Laxmi Bai Sahu Ji College of Pharmacy Jabalpur, Madhya Pradesh, India -----

12)Dr. Krishnaraju Venkatesan

Address of Applicant :Associate Professor, Department of Pharmacology and Toxicology, College of Pharmacy, King Khalid University, Abha, KSA -----

(57) Abstract :

COMPOSITION FOR IMMUNOMODULATING AND NUTRACEUTICAL AND METHOD OF USE A method for composition for immunomodulating and nutraceutical and method of use, wherein the method comprises an isolated Bacteroides fragilis combined with a nutritional source, so that the combination is a nutraceutical in that it is a food product is appropriate for oral consumption by a human subject. Composition or medicament further comprises a culture of probiotic bacteria Lactobacillus pentosus and composition or said medicament is in solid form for oral administration. Nutraceutical or medical food product for the treatment, prophylaxis and / or alleviation of a disease or disorder associated with a disease associated with an immune response. Immunomodulating agent comprising isolated polysaccharide fractions from the plant Chlorophytum borivillanum consisting of water extractable easily water-soluble polysaccharides.

No. of Pages : 13 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121051168 A

(19) INDIA

(22) Date of filing of Application :09/11/2021

(43) Publication Date : 09/12/2022

(54) Title of the invention : A NOVEL TECHNO-FRIENDLY METHOD TO IMPROVE PROCESSABILITY IN TABLET MANUFACTURING OF EFAVIRENZ FROM SPHERICAL CRYSTALLIZATION

<p>(51) International classification :A61K0009200000, A61K0031536000, A61K0009140000, A61K0009500000, C07D0265180000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr Sachinkumar Patil Address of Applicant :Ashokrao Mane College of Pharmacy Pethvadgaon Kolhapur -----</p> <p>2)Dr Shubhangi Sutar 3)Dr. Sandip Bandgar 4)Dr Amulyaratna Behera 5)Dr. Kuldeep Ramteke Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr Sachinkumar Patil Address of Applicant :Ashokrao Mane College of Pharmacy Pethvadgaon Kolhapur -----</p> <p>2)Dr Shubhangi Sutar Address of Applicant :Shri Balasaheb Mane Shikshan Prasarak Mandal Ambap's Ashokrao Mane College of Pharmacy Pethvadgaon -----</p> <p>3)Dr. Sandip Bandgar Address of Applicant :Shri Balasaheb Mane Shikshan Prasarak Mandal Ambap's Ashokrao Mane College of Pharmacy Pethvadgaon -----</p> <p>4)Dr Amulyaratna Behera Address of Applicant :School of Pharmacy and Life Sciences Centurion University of Technology and Management, Bhubaneswar -----</p> <p>5)Dr. Kuldeep Ramteke Address of Applicant :Shivajirao Pawar College of Pharmacy, Pachegaon -----</p>
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(57) Abstract :

Abstract In the present invention of Efavirenz spherical agglomerates were successfully prepared by using the spherical crystallization technique. The altered size and shape of prepared spherical agglomerates indicated modified crystal habit which could be responsible for significantly improvement in flowability, solubility and dissolution properties of Efavirenz agglomerates. The micromeritics properties of agglomerates were significantly improved, resulting in successful direct tableting. Prepared tablet from spherical agglomerates with excipients showed good physicochemical properties.

No. of Pages : 52 No. of Claims : 6

(54) Title of the invention : 3-(2-Amino-5-hexylphenyl) Propanoic Acid for Treatment of Severe Acute Respiratory Syndrome (SARS) Coronavirus 2

(51) International classification :C07K0014005000, A61K0039000000, A61K0039215000, C12P0021000000, A61K0039120000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Gajapati District Parlakhemundi-761211, Odisha, India. Parlakhemundi -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Chinmaya Chidananda Behera

Address of Applicant :Lecturer, University Department of Pharmaceutical Sciences, Utkal University, Vani Vihar, Bhubaneswar-751004, Odisha, India. Bhubaneswar -----

2)Dr. Bhisma Narayan Ratha

Address of Applicant :Assistant Professor, SoABE, At-Alluri Nagar, PO-R.Sitapur Via Uppalada, Gajapati District, Parlakhemundi-761211, Odisha, India. Parlakhemundi -----

3)Dr. Sagar Kumar Mishra

Address of Applicant :Lecturer, University Department of Pharmaceutical Sciences, Utkal University, Vani Vihar, Bhubaneswar-751004, Odisha, India. Bhubaneswar -----

(57) Abstract :

ABSTRACT: Title: 3-(2-Amino-5-hexylphenyl) propanoic acid for Treatment of Severe Acute Respiratory Syndrome (SARS) Coronavirus 2 The present disclosure proposes 3-(2-Amino-5-hexylphenyl) propanoic acid for treatment of severe acute respiratory syndrome (SARS) Coronavirus. The formula (3) is 3-(2-Amino-5-hexylphenyl) propanoic acid that inhibit various SARS corona virus proteins. The 3-(2-Amino-5-hexylphenyl) propanoic acid is designed by using in silico Fragment based design. The proposed cost-effective anti-SARS compound provides minimal toxicity and high efficacy. The proposed anti-SARS compound inhibit many SARS Corona virus proteins like, Main Protease or 3CLpro, Papain Like Protease, nsp12-nsp7-nsp8 complex-RNA Dependent RNA Polymerase Complex of NSP7 with NSP8 –Primase, etc.

No. of Pages : 21 No. of Claims : 10

(54) Title of the invention : A SYSTEM FOR CANCER DETECTION AND MONITORING USING CUSTOMIZED DETECTION OF CIRCULATING DNA AND METHOD THEREOF

<p>(51) International classification :C12Q0001688600, C12Q0001686000, C12Q0001680600, A61K0031506000, C12Q0001680900</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr.Ashish Kumar Sarangi Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----</p> <p>2)Dr.Rudra Narayan Sahoo</p> <p>3)Dr.Gurudutta Pattnaik</p> <p>4)Dr.Md Sajid Ali</p> <p>5)Dr.Nawazish Alam</p> <p>6)Dr.Sarfraz Ahmad</p> <p>7)Dr.Ranjan Kumar Mohapatra</p> <p>8)Dr.Sovan Pattanaik</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr.Ashish Kumar Sarangi Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----</p> <p>2)Dr.Rudra Narayan Sahoo Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:752050 -----</p> <p>3)Dr.Gurudutta Pattnaik Address of Applicant :Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Khordha, Odisha, India. Pin Code:752050 -----</p> <p>4)Dr.Md Sajid Ali Address of Applicant :Assistant Professor, Department of Pharmaceutics, College of Pharmacy, Jazan University, Jazan, Kingdom of Saudi Arabia. Postal Code:45142 -----</p> <p>5)Dr.Nawazish Alam Address of Applicant :Assistant Professor, Department of Pharmacy Practice, College of Pharmacy, Jazan University, Jazan, Kingdom of Saudi Arabia. Postal Code:45142 -----</p> <p>6)Dr.Sarfraz Ahmad Address of Applicant :Lecturer, Department of Pharmacy Practice, College of Pharmacy, Jazan University, Jazan, Kingdom of Saudi Arabia. Postal Code:45142 - -----</p> <p>7)Dr.Ranjan Kumar Mohapatra Address of Applicant :Department of Chemistry, Government College of Engineering, Keonjhar, Odisha, India. Pin Code:758002 -----</p> <p>8)Dr.Sovan Pattanaik Address of Applicant :School of Pharmaceutical Sciences, Siksha O Anusandhan Deemed to be University, Kalinga Nagar, Bhubaneswar, Odisha, India. Pin Code: 751003 -----</p>
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(57) Abstract :

The present invention discloses a system for cancer detection and monitoring using customized detection of circulating DNA and method thereof. In the present invention, a means for supplying the nucleic acid from a peripheral blood sample taken from the subject; and contacting the nucleic acid with at least a first primer under circumstances that will cause the amplification of the BRAF gene or a fragment of it if the BRAF gene is present in the peripheral blood sample; and a processing device for determining whether the BRAF gene or a fragment of it contains a mutation in comparison to a wild-type BRAF sequence. Further, obtaining a plasma sample from the BRAF gene and extracting the DNA therefrom to create a target DNA sample; and adding to the target DNA sample, wherein a combination of oligonucleotide primers suitable for PCR amplification of a fragment of the human telomerase reverse transcriptase (BRAF) gene. Accompanied Drawing [FIGS. 1-2]

No. of Pages : 16 No. of Claims : 8

(54) Title of the invention : A stimuli responsive bionanomaterial for extended drug release and method thereof

(51) International classification :A61K0009510000, A61K0009500000, A61K0009127000, A61K0047690000, A61P0031220000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
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Filing Date :NA

(71)Name of Applicant :**1)Dr. J. Sangeetha**

Address of Applicant :Professor & HOD, Department of Pharmacognosy, Malla Reddy Institute of Pharmaceutical Sciences, Maisammaguda, Secunderabad, Telangana, India, Pincode: 500010 -----

2)Mr. Gnyana Ranjan Parida**3)Mr. Mohammad Sahil****4)Mr. Chandrakanta Debiprasanna Panda****5)Mr. Smruti Ranjan Mohanty****6)Mrs. Lipsa Samal****7)Ms. Rajlaxmi Patro****8)Mr. Deepak Kumar Sarangi****9)Mrs. Itishree Jogamaya Das****10)Mr. Binayak Mishra**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :**1)Dr. J. Sangeetha**

Address of Applicant :Professor & HOD, Department of Pharmacognosy, Malla Reddy Institute of Pharmaceutical Sciences, Maisammaguda, Secunderabad, Telangana, India, Pincode: 500010 -----

2)Mr. Gnyana Ranjan Parida

Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatani, Bhubaneswar, Odisha, India, Pincode: 752054 -----

3)Mr. Mohammad Sahil

Address of Applicant :Medical Writer, Syneos Health, Block N1, 2nd Floor, Manyata Embassy Business Park, Outer Ring Road, Nagawara, Bengaluru, Karnataka, India, Pincode: 560045 ----

4)Mr. Chandrakanta Debiprasanna Panda

Address of Applicant :Clinical Pharmacist, Department of Pharmacy, Sri Raghunath Medical Store, Soro, College Chakka, Balasore, Odisha, India, Pincode: 756045 -----

5)Mr. Smruti Ranjan Mohanty

Address of Applicant :Research Scholar, Department of Pharmaceutical Analysis, Biju Patnaik University of Technology Rourkela, Odisha, India, Pincode: 769015 -----

6)Mrs. Lipsa Samal

Address of Applicant :Research Scholar, Department of Pharmaceutical Analysis, Biju Patnaik University of Technology Rourkela, Odisha, India, Pincode: 769015 -----

7)Ms. Rajlaxmi Patro

Address of Applicant :Assistant Professor, Department of Pharmaceutics, SPER (Pharmacy), Bhanja Bihar Berhampur University, Berhampur, Odisha, India, Pincode: 760004 -----

8)Mr. Deepak Kumar Sarangi

Address of Applicant :Assistant Professor, Department of Pharmaceutics, Roland Institute of Pharmaceutical Sciences, Brahmapur, Odisha, India, Pincode: 760010 -----

9)Mrs. Itishree Jogamaya Das

Address of Applicant :Research Scholar, Department of Pharmaceutical Sciences and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand, India, Pincode: 835215 -

10)Mr. Binayak Mishra

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University, Balasore, Odisha, India, Pincode:756044 -----

(57) Abstract :

: Delivery tools may be stimuli-responsive nanoparticles (NPs) that have good stability, high loading efficiency, encapsulation of numerous drugs, and targeting specific cells, tissues, or organs of the body. These nanoparticles have a hydrophobic inner core and a hydrophilic outer shell, which gives them high stability and the capacity to load therapeutic chemicals with a high encapsulation efficiency. Both of these properties are important for drug delivery. Amphiphilic stimuli-responsive polymers or a combination of amphiphilic and hydrophobic polymers or compounds, of which at least one type is stimuli-responsive, are the preferred building blocks for the NPs. It is possible to manufacture these NPs in such a way that their payload is released mostly inside the cells, tissues, or organs of the body that are being targeted upon exposure to either endogenous or exogenous stimuli. It is possible to adjust the pace of release such that it may be a burst, a steady release, a delayed release, or any combination of these three. The NPs may be used either as research tools or in clinical applications such as diagnostics, therapies, or combinations of the two.

No. of Pages : 23 No. of Claims : 4

(54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING ACETAZOLAMIDE FOR RETINAL PROTECTION AND METHODS THEREOF

<p>(51) International classification :A61P0027060000, A61K0009000000, A61K0047360000, G16H0010200000, A61K0047100000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Centurion University of Technology and Management Address of Applicant :Ramchandrapur, P.O. – Jatni, Bhubaneswar, Odisha-752050, India Bhubaneswar -----</p> <p>2)NANDA, Ashirbad</p> <p>3)SAHOO, Rudra Narayan Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)SAHOO, Rudra Narayan Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha-752050, India Bhubaneswar -----</p> <p>2)NANDA, Ashirbad Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha-752050, India Bhubaneswar -----</p> <p>3)MALLICK, Subrata Address of Applicant :Professor, School of Pharmaceutical Sciences, Siksha ‘O’ Anusandhan (Deemed to be University), Odisha-751003, India Bhubaneswar -----</p> <p>4)BOSE, Anindya Address of Applicant :Professor, School of Pharmaceutical Sciences, Siksha ‘O’ Anusandhan Deemed to be University), Odisha-751003, India Bhubaneswar -----</p> <p>5)MOHAPATRA, Rajaram Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, Siksha ‘O’ Anusandhan (Deemed to be University), Odisha-751003, India Bhubaneswar -----</p> <p>6)RAY, Biswaranjan Address of Applicant :Associate Professor, Gayatri College of Pharmacy, Bijupattnaik University of Technology, Odisha- 768200, India -----</p> <p>7)GANGOPADHYAY, Annanya Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Balasore, Odisha-756044, India Balasore -----</p> <p>8)KANHAR, Satish Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha-752050, India Bhubaneswar -----</p> <p>9)SAMANTARAY, Biswajit Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha-752050, India Bhubaneswar -----</p> <p>10)PANDA, Nageswar Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Balasore, Odisha-756044, India Balasore -----</p>
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(57) Abstract :

The present invention generally relates to the field of pharmacology and medical biochemistry. Particularly, the present disclosure relates to a matrix film formulation comprising acetazolamide and a process of preparing the same. The present disclosure also relates to a method for retino-protection and intraocular pressure management in a subject having glaucoma and a method for managing glaucoma in a subject in need thereof, by administering the subject with the formulation of the present disclosure.

No. of Pages : 14 No. of Claims : 10



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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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Application Details

APPLICATION NUMBER	202231074077
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/12/2022
APPLICANT NAME	1 . Dr.Ashish Kumar Sarangi 2 . Dr.Amarendranath Choudhury 3 . Mr.Dhilleshwara Rao Vana 4 . Dr.Rudra Narayan Sahoo 5 . Mr.Wishard la Vincent Barreto 6 . Dr.Kumar Pratyush 7 . Dr.Sushma Jaiswal 8 . Mrs.Madhu Chhanda Mishra 9 . Mr.Tarun Jaiswal 10 . Dr.Kapil Paiwal
TITLE OF INVENTION	A METHOD FOR DETECTING CANCEROUS CELLS IN ASYMPTOTIC PATIENTS USING MONOCLONAL ANTIBODY DRUGS
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
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PUBLICATION DATE (U/S 11A)	30/12/2022

Application Status

(54) Title of the invention : A METHOD FOR ADVANCED TUMOR RECOGNITION BASED ON IOT AND AI IMAGE PROCESSING

(51) International classification :G16H0010600000, G06T0007000000, G16Z0099000000, A61B0005050700, G06Q0030000000
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
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 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Dr.Ashish Kumar Sarangi

Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

2)Dr.Rudra Narayan Sahoo**3)Dr.Prafulla Kumar Sahu****4)Dr.Ashirbad Nanda****5)Dr.Debasmita Dubey****6)Dr.Subrat Kumar Tripathy****7)Dr.Santosh Kumar Swain****8)Dr.Gopal Krishna Purohit****9)Dr. Santosh Kumar Ranajit****10)Dr. Rajesh Kumar Meher**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr.Ashish Kumar Sarangi

Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

2)Dr.Rudra Narayan Sahoo

Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:752050 ---

3)Dr.Prafulla Kumar Sahu

Address of Applicant :Professor, Department of Pharmaceutical Analysis, School of Pharmacy, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

4)Dr.Ashirbad Nanda

Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, India. Pin Code:752050 -----

5)Dr.Debasmita Dubey

Address of Applicant :Assistant Professor, Medical Research Laboratory, IMS and SUM Hospital, SOA deemed to be University, Bhubaneswar, Odisha, India. Pin Code:751003 -----

6)Dr.Subrat Kumar Tripathy

Address of Applicant :Professor, Department of Biochemistry, IMS & SUM Hospital, Bhubaneswar, Keisha, Odisha, India. Pin Code:751003 -----

7)Dr.Santosh Kumar Swain

Address of Applicant :Professor, Department of Otorhinolaryngology, IMS & SUM Hospital, Siksha 'O' Anusandhan University, Bhubaneswar, Odisha, India. Pin Code:751003 -----

8)Dr.Gopal Krishna Purohit

Address of Applicant :CEO & Co-Founder, Heredity Biosciences LLP Plot No: 273/3575, Mayfair Lagoon Road, Jayadev Vihar, Bhubaneswar, Odisha, India. Pin Code:751013 -----

9)Dr. Santosh Kumar Ranajit

Address of Applicant :Associate Professor, Department of Pharmacology, School of Pharmacy, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

10)Dr. Rajesh Kumar Meher

Address of Applicant :Postdoctoral Fellow, ACTRAC, Tata Memorial Centre, Mumbai, Maharashtra, India, Pin Code:410210 -----

(57) Abstract :

The present invention relates to a method for advanced tumor detection based on internet of things (IoT) and artificial intelligence (AI) image processing. The method comprising the following steps: receiving a sample scan of head of a patient. Retrieving electronic health records (EHRs) related to the sample scan; comparing the sample scan with a standard brain scan for abnormalities; evaluating brain anomalies based on comparing, wherein the brain anomalies vary according to the comparison with the standard brain scan; and diagnosing a tumor when the brain anomalies are below or above a certain threshold with respect to the standard brain scan.

No. of Pages : 14 No. of Claims : 3

(54) Title of the invention : A SYSTEM PROVIDED WITH NEXT-GENERATION COMPUTING TECHNOLOGY FOR PRECISION MEDICINE AND METHOD THEREOF

(51) International classification :G16H0010600000, G16H0050200000, G16H0040670000, G16H0020100000, C12Q0001686900
 (86) International Application No :PCT//
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 (62) Divisional to Application Number :NA
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(71)Name of Applicant :

1)Dr.Ashish Kumar Sarangi

Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

2)Dr.Alok Ranjan Sahu**3)Dr.Rudra Narayan Sahoo****4)Dr.Bhabani Sankar Satapathy****5)Dr.Ranjan Kumar Sahoo****6)Mr.Durga Prasad Mishra****7)Mr.Swarnajeet Tripathy****8)Mrs.Binapani Barik****9)Mr.Sanjib Kumar Naik****10)Miss.Rasmita Dash**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr.Ashish Kumar Sarangi

Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

2)Dr.Alok Ranjan Sahu

Address of Applicant :Assistant Professor in Botany, Vikash Degree College, Barahaguda Canal Chowk, Bargarh, Odisha, India. Pin Code:768040 -----

3)Dr.Rudra Narayan Sahoo

Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:752050 ---

4)Dr.Bhabani Sankar Satapathy

Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, Odisha, India. Pin Code:751003 -----

5)Dr.Ranjan Kumar Sahoo

Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Jatni, Bhubaneswar, Khurda, Odisha, India. Pin Code:752050 -----

6)Mr.Durga Prasad Mishra

Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, School of Pharmacy, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

7)Mr.Swarnajeet Tripathy

Address of Applicant :Assistant Professor, Department of Pharmaceutical Analysis and Quality Assurance, School of Pharmacy, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

8)Mrs.Binapani Barik

Address of Applicant :Assistant Professor, School of Pharmacy, ARKA JAIN University, Gamharia, Seraikela kharsawan, Jharkhand, India. Pin Code:832108 -----

9)Mr.Sanjib Kumar Naik

Address of Applicant :Assistant Professor, Department of Information Technology, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----

10)Miss.Rasmita Dash

Address of Applicant :Ph.D. Research Scholar, School of Pharmaceutical Sciences, Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, Odisha, India. Pin Code:751003 -----

(57) Abstract :

The present invention discloses a system provided with next-generation computing technology for precision medicine and method thereof. The system includes, but not limited to, a network module set up to encourage communication between various players regarding a patient's health care; and a data analytics unit set up to gather information from one or more of the numerous players regarding the patient's health care, with the data analytics centre also set up to analyse the information collected, including curating the information collected and analysed. Further, a cloud computing device that communicates with a number of sequencing devices includes at least one server that is set up to speak with a distant sequencing system in order to receive and store sequence data while it is being created by the distant sequencing system. Accompanied Drawing [FIGS. 1-2]

No. of Pages : 21 No. of Claims : 8



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202241072402
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/12/2022
APPLICANT NAME	1 . Dr. Jyothi Hiremath 2 . Dr. Shivaveerakumar S. 3 . Dr. Kalpita Bhatta 4 . Dr. B. Dhanalakshmi 5 . Dr. Vipul Bhardwaj 6 . Mr. Sujay Kumar Parida 7 . Dr. Rahul Kumar 8 . Ms. L. Jyothika 9 . Mr. Sanjeev Kumar Rajput 10 . Mr. Gnyana Ranjan Parida
TITLE OF INVENTION	A biomimetic nanoparticle for synergistic anti-infective therapy
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	03mrmanoj@gmail.com
ADDITIONAL-EMAIL (As Per Record)	03mrmanoj@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
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PUBLICATION DATE (U/S 11A)	30/12/2022

Application Status

(54) Title of the invention : DEVELOPMENT AND EVALUATION OF BOSWELIC ACID FOR TREATING RHEUMATOID ARTHRITIS

(51) International classification :A61K0036324000, A61K0031000000, A61K0038000000, A61K0045060000, A61K0031190000
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
 1)Mr. Vinod Kumar Singh
 Address of Applicant :Research Scholar, Integral University, Department of Pharmacy, Kursi Road, Lucknow, Uttar Pradesh- 226026 -----
 2)Km Neetu
 3)Ms. Abhilasha kumari
 4)Dr. Santosh Kumar Verma
 5)Ms. Rasmita Jena
 6)Dr. Suresh Janadri
 7)Rajendra Herur Vishnumurthy
 8)Dr. Prashant Tiwari
 9)Dr. M. Gnana Ruba Priya
 10)Dr. Rizwan Ahmad
 11)Dr. Darakhshan Gazala Bari
 12)Dr. Chhavi Verma
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
 1)Mr. Vinod Kumar Singh
 Address of Applicant :Research Scholar, Integral University, Department of Pharmacy, Kursi Road, Lucknow, Uttar Pradesh- 226026 -----
 2)Km Neetu
 Address of Applicant :Research Scholar, M. J. P. Rohilkhand University, Department of Pharmacy, Bareilly, Uttar Pradesh, Pincode-243006, India -----
 3)Ms. Abhilasha kumari
 Address of Applicant :Assistant Professor, Tetri Chandravansi Pharmacy College, Bishrampur, Palamu Jharkhand, Pin code- 822132 -----
 4)Dr. Santosh Kumar Verma
 Address of Applicant :Associate Professor School of Chemistry and Chemical Engineering, Yulin University, Yulin 719000, Shaanxi, P. R. China -----
 5)Ms. Rasmita Jena
 Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatani, Bhubaneswar, Odisha, 752050 -----
 6)Dr. Suresh Janadri
 Address of Applicant :Department of Pharmacology Acharya & BM Reddy College of Pharmacy, Bangalore -----
 7)Rajendra Herur Vishnumurthy
 Address of Applicant :PhD. Scholar, Department of Pharmaceutical Chemistry, College of Pharmaceutical Sciences, Dayananda Sagar University, Bangalore, Karnataka, India, PIN 560078 -----
 8)Dr. Prashant Tiwari
 Address of Applicant :Associate Professor Department of Pharmacology and Toxicology College of Pharmaceutical of Sciences Dayananda Sagar University Bengaluru Karnataka 560078 -----
 9)Dr. M. Gnana Ruba Priya
 Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, College of Pharmaceutical Sciences,Dayanand Sagar University, Bangalore, Karnataka -----
 --
 10)Dr. Rizwan Ahmad
 Address of Applicant :Professor and HOD Department of Pharmacy Vivek college of Technical Education, Moradabad Road, Post Agri Bijnor, Pin code 246701, Uttar Pradesh, India -----
 11)Dr. Darakhshan Gazala Bari
 Address of Applicant :Associate Professor, Department of Pharmacy Vivek college of Technical Education, Moradabad Road, Post Agri Bijnor, Pin code 246701, Uttar Pradesh, India -----
 12)Dr. Chhavi Verma
 Address of Applicant :Associate Professor, Department of Pharmacy Vivek college of Technical Education, Moradabad Road, Post Agri Bijnor, Pin code 246701, Uttar Pradesh, India -----

(57) Abstract :

A method for development and evaluation of boswellic acid for treating rheumatoid arthritis. The investigation was aimed to formulate transdermal films incorporating herbal drug components. The allopathic system of medicine includes two conventional lines of treatment for rheumatoid arthritis, which come along with certain side effects. a special extract of the gum resin of Boswellia serrata (BS) is effective in the treatment of rheumatoid arthritis (RA). These findings were obtained in more than 260 patients by using a range of different clinical approaches for evaluation. The criteria for assessment were mainly joint swelling, pain, erythrocyte sedimentation rate (ESR), stiffness, additional use of NSAID, side effects and tolerance.

No. of Pages : 15 No. of Claims : 1

(54) Title of the invention : THE EFFECT OF GRAVITY AND CENTRIFUGAL FORCE ON PLANT DEVELOPMENT AND FRUIT PRODUCTION

<p>(51) International classification :A01C0001000000, A01G0031000000, B04B0005040000, A01C0001060000, A01G0022000000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. G Venkata karthik kumar Reddy Address of Applicant :Assistant Professor The Oxford college of Pharmacy , Begur Road , Hongasandra Bangalore 560068, Karnataka, India ----- 2)Dr. Prabitha P. 3)Dr. A. Muthukumar 4)Ms. Shailaja P Desai 5)Ms. Ashwini Suresh Patil 6)Mr. Soumitra Tiwari 7)Mr. Guruprasad V Sutar 8)Mr. Vinod Kumar Singh 9)Dr. Sachin Tyagi 10)Mr. Debyan Bhattacharjee 11)Dr. Prashant Tiwari 12)Ms. Rasmita Jena Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. G Venkata karthik kumar Reddy Address of Applicant :Assistant Professor The Oxford college of Pharmacy , Begur Road , Hongasandra Bangalore 560068, Karnataka, India ----- 2)Dr. Prabitha P. Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, Sarada Vilas College of Pharmacy, Krishnamurthy Puram, Mysuru-570004, Karnataka, India ----- 3)Dr. A. Muthukumar Address of Applicant :Associate Professor Department of Pharmacology Al-Ameen College of Pharmacy, Hosur Main Road, opp. Lalbagh Main Gate, Bengaluru-560027, Karnataka India ----- 4)Ms. Shailaja P Desai Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, Annasaheb Dange College of Pharmacy, Dist. Sangli, Ashta-416301, Maharashtra, India India. ----- 5)Ms. Ashwini Suresh Patil Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, Annasaheb Dange College of Pharmacy, Dist. Sangli, Ashta-416301, Maharashtra, India. ----- 6)Mr. Soumitra Tiwari Address of Applicant :Department of Food Processing and Technology, Atal Bihari Vajpayee University, Koni, 495009, Bilaspur , Chhattisgarh, India ----- 7)Mr. Guruprasad V Sutar Address of Applicant :Assistant Professor and HOD Department of Pharmacology Annasaheb Dange College of Pharmacy, Dist. Sangli, Ashta-416301, Maharashtra, India. ----- 8)Mr. Vinod Kumar Singh Address of Applicant :Research Scholar Integral University, Department of Pharmacy, Kursi Rd, Lucknow, Uttar Pradesh 226026 ----- 9)Dr. Sachin Tyagi Address of Applicant :Professor & Director School of Pharmacy Bharat Institute of technology, Meerut ,250103, Uttar Pradesh, India ----- 10)Mr. Debyan Bhattacharjee Address of Applicant :Assistant Professor, Department of Pharmacognosy Bapuji Pharmacy College, Shammur Road, S S Layout, Davangere- 577004, Karnataka ----- 11)Dr. Prashant Tiwari Address of Applicant :Assistant Professor Department of Pharmacology and Toxicology College of Pharmaceutical Sciences Dayananda Sagar University Bengaluru, Karnataka ----- 12)Ms. Rasmita Jena Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatani, Bhubaneswar, Odisha, 752050 -----</p>
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(57) Abstract :
ABSTRACT THE EFFECT OF GRAVITY AND CENTRIFUGAL FORCE ON PLANT DEVELOPMENT AND FRUIT PRODUCTION The method to investigate the effect of centrifugal force on the growth of maize, an important cereal crop in Nigeria. The maize seeds were subjected to centrifugation for three revolutions. The seeds were planted and observed for germination and early growth for seven days. Results revealed that seeds treated with 1000g centrifugal force for 4hrs had the highest germination percentage (70%), while 50% of the control seeds germinated at the end of the 7th day. The radicle length in the 10,000g/2hrs treatment was also the highest (24 cm). However, the highest shoot length was observed in the control plants. The method is carried until the yield or maturity stage in order to have more profound observation on this centrifugal force effect on the maize plants.

No. of Pages : 14 No. of Claims : 1

(54) Title of the invention : Treatment of cancer with tetrahedral DNA nanostructures (TDN) method

(51) International classification :B22F0001000000, B82Y0005000000, A61K0039000000, C12N0015870000, B22F0009240000

(86) International Application No Filing Date :PCT// :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number Filing Date :NA :NA

(62) Divisional to Application Number Filing Date :NA :NA

(71)Name of Applicant :

1)Dr. Chandra Sekhara Rao Baru

Address of Applicant :Professor & Principal, Department of Pharmaceutics, Chilkur Balaji College of Pharmacy, Aziz nagar, Hyderabad, Telangana, India, Pin-500075 -----

2)Mrs. Jenifer**3)Dr. Sharad Timaji Tajane****4)Ms. Snehal Nagsen Chandanshive****5)Mrs. S. Srilakshmi****6)Mr. K. Vijaya Kishore****7)Dr. K. Naga Raju****8)Dr. Pratik Rajan Mungekar****9)Mr. S.R. Bavaji****10)Mr. Haragouri Mishra**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Chandra Sekhara Rao Baru

Address of Applicant :Professor & Principal, Department of Pharmaceutics, Chilkur Balaji College of Pharmacy, Aziz nagar, Hyderabad, Telangana, India, Pin-500075 -----

2)Mrs. Jenifer

Address of Applicant :Researcher, Department of Zoology, Loyola College, Tamilnadu, India, Pincode- 600034 -----

3)Dr. Sharad Timaji Tajane

Address of Applicant :Department of Chemistry, Bhavan's College (Autonomous), Andheri (W), Mumbai, Maharashtra, India, Pincode:400058 -----

4)Ms. Snehal Nagsen Chandanshive

Address of Applicant :Near Gayatri Tatte Idli Hotel, Doddapet Cross, Kaipet, Davangere, Karnataka, India, Pincode: 577002 -----

5)Mrs. S. Srilakshmi

Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, School of Pharmaceutical Sciences and Technologies, JNTUK, Kakinada, Andhra Pradesh, India, Pincode: 533003 -----

6)Mr. K. Vijaya Kishore

Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, College of Pharmaceutical Sciences, Acharya Nagarjuna University, Andhra Pradesh, India, Pincode: 522001 -----

7)Dr. K. Naga Raju

Address of Applicant :Assistant Professor, Department of Pharmaceutical Analysis, Sir C R Reddy College of Pharmaceutical Sciences, Eluru, Andhra Pradesh, India, Pincode: 534007 -----

8)Dr. Pratik Rajan Mungekar

Address of Applicant :Professor & Global Educator, International Internship University, Mumbai, Maharashtra, India, Pincode: 400012 -----

9)Mr. S.R. Bavaji

Address of Applicant :Research Scholar, PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Race Course Road, Khaja Nagar, Tiruchirappalli Tamilnadu, India, Pincode: 620020 -----

10)Mr. Haragouri Mishra

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Odisha, India, Pincode: 751009 -----

(57) Abstract :

DNA reticular nanomedicine carrying molecules is the subject of this invention, which provides a new technique for making such molecules. Structures made of a DNA tetrahedron (TDN) and nanogold are combined. The procedure is broken down as follows: Gold nanoparticles with particle sizes of 4nm were prepared, and DNA TDN and gold nanoparticles were combined to form the DNA TDN structure. The DNA TDN used in the innovation is precise, switchable in size and property, and very stable. The innovation uses DNA and nanogold particles to create a huge reticular structure by connecting the DNA TDN. It is hoped that the medicine-carrying molecule would be extensively used for tumor research and treatment since it primarily uses DNA as raw material and hence is safe for human bodies.

No. of Pages : 18 No. of Claims : 4

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED APPROACH TO EARLY PREDICTION OF NATURAL COMA BASED ON BRAIN MAPPING TECHNIQUES

(51) International classification :A61B0005000000, G06K0009620000, G06Q0050200000, G16H0030400000, A61B0005145500

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Ms.PUTTA HEMALATHA
 Address of Applicant :ASSISTANT PROFESSOR /DEPARTMENT OF INFORMATION TECHNOLOGY /BHARADWAJ BLOCK-1 INSTITUTE OF AERONAUTICAL TECHNOLOGY DUNDIGAL-500043 HYDERABAD. HYDERABAD -----
2)Dr. T. ARUNKUMAR
3)Dr. VANISREE RAMANATHAN
4)SACHIN SHARMA
5)Dr. SANKAR K
6)Mr. LADI ALIK KUMAR
7)Dr. SUSHIL KUMAR
8)Dr. MOUSMITA DEVI
9)Dr. P. ARULPRAKASH
10)Prof Dr.VIVEK SINGH KISHWAH
11)Dr. KOGILA PALANIMUTHU
12)Dr YOGESH ARUN PUND
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)Ms.PUTTA HEMALATHA
 Address of Applicant :ASSISTANT PROFESSOR /DEPARTMENT OF INFORMATION TECHNOLOGY /BHARADWAJ BLOCK-1 INSTITUTE OF AERONAUTICAL TECHNOLOGY DUNDIGAL-500043 HYDERABAD. HYDERABAD -----
2)Dr. T. ARUNKUMAR
 Address of Applicant :ASSISTANT PROFESSOR/ CHEMISTRY, SNS COLLEGE OF TECHNOLOGY, COIMBATORE- 641 035 COIMBATORE -----
3)Dr. VANISREE RAMANATHAN
 Address of Applicant :SCHOOL OF PUBLIC HEALTH, Dr. VISHWANATH KARAD'S MIT WORLD PEACE UNIVERSITY PUNE -----
4)SACHIN SHARMA
 Address of Applicant :ASSISTANT PROFESSOR, ELECTRICAL ENGINEERING, DR. K N MODI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MODINAGAR, 201204 MODINAGAR -----
5)Dr. SANKAR K
 Address of Applicant :ASSISTANT PROFESSOR / CSE, GITAM SCHOOL OF TECHNOLOGY, GITAM UNIVERSITY, BENGALURU, 561 203. BANGALORE -----
6)Mr. LADI ALIK KUMAR
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, RAYAGADA, ODISHA, INDIA-765001 RAYAGADA -----
7)Dr. SUSHIL KUMAR
 Address of Applicant :DEPARTMENT OF ECE, NOIDA INTERNATIONAL UNIVERSITY, GREATER NOIDA, UTTAR PRADESH-203 201 GREATER NOIDA -----
8)Dr. MOUSMITA DEVI
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, HANDIQUE GIRLS' COLLEGE GUWAHATI -----
9)Dr. P. ARULPRAKASH
 Address of Applicant :PROFESSOR, DEPARTMENT OF CSE, RATHINAM TECHNICAL CAMPUS. EACHANARI -----
10)Prof Dr.VIVEK SINGH KISHWAH
 Address of Applicant :PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY (ASET), AMITY UNIVERSITY MADHYA PRADESH, MAHARAJPURA DANG, GWALIOR (MP)-474005 GWALIOR -----
11)Dr. KOGILA PALANIMUTHU
 Address of Applicant :ASSOCIATE PROFESSOR, PEDIATRIC AND CHILD HEALTH NURSING DEPARTMENT, INSTITUTE OF HEALTH SCIENCES, DAMBI DOLLO, OROMIA, DAMBI DOLLO UNIVERSITY, ETHIOPIA -----
12)Dr YOGESH ARUN PUND
 Address of Applicant :CENTRAL INDIA WOMEN'S COLLEGE OF EDUCATION NAGPUR -----

(57) Abstract :
 Artificial Intelligence based approach to Early Prediction of Natural Coma based on Brain Mapping Techniques is the proposed invention. The proposed invention focuses on designing a framework of Artificial Intelligence for early prediction of coma condition for a particular patient. The invention aims at utilizing the brain mapping techniques to achieve accuracy in prediction.

No. of Pages : 11 No. of Claims : 5

(54) Title of the invention : GREEN SYNTHESIS APPROACH METHOD USER-FRIENDLY SENSOR FOR ENVIRONMENT AIR MONITOR

(51) International classification :G01N0027120000, C01G0041020000, G01N0033000000, B82Y0030000000, C07K0014005000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)Mr. Jige Sandipan Babasaheb
 Address of Applicant :Assistant professor and Head, Department of Botany, Sant Ramdas College Ghansawangi Dist- Jalna, Maharashtra, India, Pincode: 431209 -----

2)Dr. M.A. Badhul Haq
3)Dr. Anil Kumar
4)Ms. Kehkashan Alam
5)Mrs. B.V. Febiyola
6)Dr. Narayana Thota
7)Mr. Haragouri Mishra
8)Mrs. R. Rajalakshmi
9)Dr. Mukunthan KS
10)Dr. Tamal Mondal
11)Mr. M. Kalyana Chakravarthy

Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)Mr. Jige Sandipan Babasaheb
 Address of Applicant :Assistant professor and Head, Department of Botany, Sant Ramdas College Ghansawangi Dist- Jalna, Maharashtra, India, Pincode: 431209 -----

2)Dr. M.A. Badhul Haq
 Address of Applicant :Assistant Professor Senior Grade & Head, Department of Marine Biology, Deputed from Faculty of Marine Sciences, Annamalai University, Parangipettai, Cuddalore District, Tamil Nadu, India, Pincode: 608502 -----

3)Dr. Anil Kumar
 Address of Applicant :Ex Research Scholar, Department of Botany, DDU Gorakhpur University, Gorakhpur, Uttar Pradesh, India, Pincode: 273009 -----

4)Ms. Kehkashan Alam
 Address of Applicant :Research Scholar, Department of Chemistry, Aligarh Muslim University, Aligarh, Uttar Pradesh, India, Pincode: 202002 -----

5)Mrs. B.V. Febiyola
 Address of Applicant :Assistant Professor, Department of Biochemistry, St.Peter's institute of Higher education and Research, Avadi, Chennai- 54, Tamilnadu. India -----

6)Dr. Narayana Thota
 Address of Applicant :DST-INSPIRE Faculty, Department of Physics, School of Sciences, National Institute of Technology – Andhra Pradesh Tadepalligudem, West Godavari (Dt.) Andhra Pradesh, India, Pincode: 534101 -----

7)Mr. Haragouri Mishra
 Address of Applicant :Assistant Professor, Department School of Pharmacy, Centurion University of Technology and Management, Odisha, India, Pincode:751009 -----

8)Mrs. R. Rajalakshmi
 Address of Applicant :Research scholar, Department of Botany, V.O. Chidambaram college, Thoothukudi, Tamil nadu, India, Pincode: 628008 -----

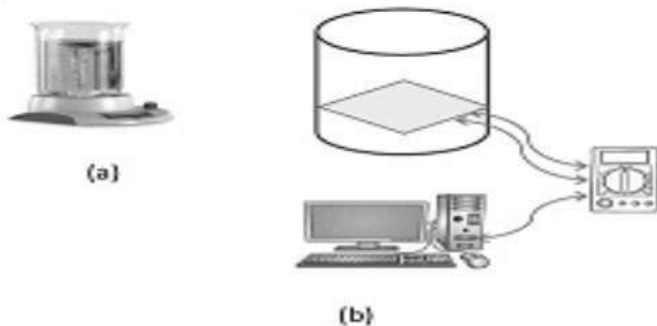
9)Dr. Mukunthan KS
 Address of Applicant :Associate professor, Department of Biotechnology, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, Karnataka, Inida, Pincode: 576104 -----

10)Dr. Tamal Mondal
 Address of Applicant :Assistant Professor, Department of Botany, Hiralal Mazumdar Memorial College for Women, Dakshineswar, Kolkata, West Bengal, India, Pincode:700035 -----

11)Mr. M. Kalyana Chakravarthy
 Address of Applicant :Senior Assistant Professor, School of Electronics Engineering, VIT-AP University, Amaravathi, Guntur Andhra Pradesh, India Pincode: 522237 -----

(57) Abstract :
 Proposed invention Prepared using the green synthesis method, tungsten trioxide and metal oxide doped printed films were produced. The printed films' structural, surface, electrical, and gas sensing characteristics are investigated using X-ray diffraction, scanning electron microscopy, transmission electron microscopy, and the Keithley system, among other techniques. After that, these films will be used to fabricate gas sensors for use in air monitors.

Diagram:



1(a) shows magnetic stirrer with metal oxide liquid. Figure 1(b) shows printed thin film for analysis gases through system.

(54) Title of the invention : A METHODOLOGY TO MONITOR THE EXHALED BREATH OF COVID 19 PATIENTS SUFFERING FROM ACUTE KIDNEY INJURY FOR DETECTION OF AMMONIA USING FABRICATED GAS SENSOR BASED ON POLYPYRROLE AND SILVER NANOPARTICLE

(51) International classification :G01N0033497000, A61B0005080000, A61P0013120000, A61B0005097000, G01N0033000000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr. KAVIARASAN L
Address of Applicant :ASSISTANT PROFESSOR. SCHOOL OF PHARMACY. SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY. CHENNAI- 600119 CHENNAI -----

2)ANIL VISHWAMBHAR SHINDE
3)GANJIKUTA VENKATA SUBBAIAH
4)Dr. PRASHANT MUNDEJA
5)DARSHANAM VIJAYKUMAR
6)TARAPATLA PRADEEP SASTRY
7)Dr. ASHIS KUMAR SARKAR
8)Ms. JYOSHNA RANI DASH
9)Dr. VINOD M. THAKARE
10)KOMAL B UMARE
11)Dr. VAIBHAV PRADIP UPLANCHIWAR
12)Dr. ANSHU R. DUDHE

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :
1)Dr. KAVIARASAN L
Address of Applicant :ASSISTANT PROFESSOR. SCHOOL OF PHARMACY. SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY. CHENNAI- 600119 CHENNAI -----

2)ANIL VISHWAMBHAR SHINDE
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, MAHARAJ J. P. V. ARTS, COMMERCE & SHRI V. K. K. SCIENCE COLLEGE DHADGAON DIST - NANDURBAR.425414. NANDURBAR -----

3)GANJIKUTA VENKATA SUBBAIAH
Address of Applicant :ACADEMIC CONSULTANT DEPARTMENT OF ZOOLOGY SRI VENKATESWARA UNIVERSITY TIRUPATI -----

4)Dr. PRASHANT MUNDEJA
Address of Applicant :PROFESSOR, SCHOOL OF SCIENCES, MATS UNIVERSITY, RAIPUR-492001 RAIPUR -----

5)DARSHANAM VIJAYKUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACY, SWAMI VIVEKANANDA INSTITUTE OF PHARMACEUTICAL SCIENCES, VANGAPALLY, 508286 YADAGIRIGUTTA -----

6)TARAPATLA PRADEEP SASTRY
Address of Applicant :RESEARCH SCHOLAR DEPARTMENT OF ZOOLOGY ANDHRA UNIVERSITY VISAKHAPATNAM 530003 VISAKHAPATNAM -----

7)Dr. ASHIS KUMAR SARKAR
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF LIFE SCIENCE, SHRI RAWATPURA SARKAR UNIVERSITY, RAIPUR-492015 RAIPUR -----

8)Ms. JYOSHNA RANI DASH
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, SCHOOL OF PHARMACY AND LIFESCIENCES, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR, ODISHA-752050 BHUBANESWAR -----

9)Dr. VINOD M. THAKARE
Address of Applicant :PROFESSOR, NAGPUR COLLEGE OF PHARMACY, WANADONGRI, HINGNA ROAD NAGPUR MAHARASHTRA 441110 NAGPUR -----

10)KOMAL B UMARE
Address of Applicant :ASSISTANT PROFESSOR (RESEARCH SCHOLAR) /ETC DEPARTMENT/ G H RAISONI INSTITUTE OF ENGINEERING AND TECHNOLOGY NAGPUR 440036 NAGPUR -----

11)Dr. VAIBHAV PRADIP UPLANCHIWAR
Address of Applicant :PROFESSOR, NAGPUR COLLEGE OF PHARMACY, WANADONGRI, HINGNA ROAD NAGPUR 441110 NAGPUR -----

12)Dr. ANSHU R. DUDHE
Address of Applicant :PROFESSOR, NAGPUR COLLEGE OF PHARMACY, WANADONGRI, HINGNA ROAD NAGPUR MAHARASHTRA 441110 NAGPUR -----

(57) Abstract :
A methodology to Monitor the Exhaled Breath of COVID 19 Patients Suffering from Acute Kidney Injury for Detection of ammonia using fabricated gas sensor based on Polypyrrole and Silver nanoparticle is the proposed invention. The invention focuses on monitoring the breath that is exhaled by covid-19 patients who are suffering from acute kidney failure. The breath is tested for presence of ammonia using fabricated gas sensor that is based on polypyrrole and silver nanoparticle.

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241071287 A

(19) INDIA

(22) Date of filing of Application :09/12/2022

(43) Publication Date : 30/12/2022

(54) Title of the invention : DESIGN OF CHITOSAN NANOPARTICLE COATED MINI-IMPLANTS FOR DENTAL ISSUES AND ANALYSIS OF THEIR PROPERTIES

(51) International classification :A61K0009510000, B82Y0005000000, A61B0005000000,
B01J0035000000, A61K0047690000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No :NA
(61) Patent of Addition to :NA
Application Number :NA
Filing Date :NA
(62) Divisional to Application :NA
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr. J. ANTONY RAJAM
Address of Applicant :ASSISTANT PROFESSOR IN CHEMISTRY, ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI-628001 THOOTHUKUDI -----
2)Dr.K.SHEELA KUMARI
3)AMOS R
4)R KAMALRAJ
5)SAGAR RAMLAL PARDESHI
6)RAJNANDINI MARUTI KAMBLE
7)ATHIF P
8)MOHD ASIF SHAH
9)MS. POOJA NANASO KHOT
10)SIDHARTHA PARIDA
11)Dr. SANJAY PURUSHOTTAMRAO MOTE
12)Dr VIJAY KUMAR SALVIA
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. J. ANTONY RAJAM
Address of Applicant :ASSISTANT PROFESSOR IN CHEMISTRY, ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI-628001 THOOTHUKUDI -----
2)Dr.K.SHEELA KUMARI
Address of Applicant :READER/DEPARTMENT OF PROSTHODONTICS, PRIYADARSHINI DENTAL COLLEGE & HOSPITAL,PANDUR,THIRUVALLUR-631203 CHENNAI -----
3)AMOS R
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MCA, MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE, MYSURU, 571477 Mysuru -----
4)R KAMALRAJ
Address of Applicant :ASSOCIATE PROFESSOR, MCA DEPARTMENT, SCHOOL OF CS & IT, JAIN UNIVERSITY, BANGALORE BANGALORE -----
5)SAGAR RAMLAL PARDESHI
Address of Applicant :DEPARTMENT OF PHARMACEUTICS, ST. JOHN INSTITUTE OF PHARMACY AND RESEARCH, PALGHAR 401404, PALGHAR -----
6)RAJNANDINI MARUTI KAMBLE
Address of Applicant :ASSISTANT PROFESSOR, PHARMACEUTICS, WOMEN'S COLLEGE OF PHARMACY,, PETH-VADGAON, PETH-VADGAON,416112 PETH-VADGAON -----
7)ATHIF P
Address of Applicant :ASSISTANT PROFESSOR (AD HOC), DEPARTMENT OF ZOOLOGY, M.E.S. PONNANI COLLEGE, PONNANI, PONNANI SOUTH POST- 679586 PONNANI -----
8)MOHD ASIF SHAH
Address of Applicant :ADJUNCT FACULTY, SCHOOL OF BUSINESS, WOXSEN UNIVERSITY, KAMKOLE, SADASIVPET, HYDERABAD, TELANGANA, INDIA, 502345 HYDERABAD -----
9)MS. POOJA NANASO KHOT
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT -PHARMACOLOGY, WOMEN'S COLLEGE OF PHARMACY, PETH VADGAON,PIN- 416112 PETH VADGAON -----
10)SIDHARTHA PARIDA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, SCHOOL OF PHARMACY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, GOPALPUR, BALASORE, ODISHA-756044 BALASORE -----
11)Dr. SANJAY PURUSHOTTAMRAO MOTE
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, B. B. ARTS, N. B. COMMERCE & B. P. SCIENCE COLLEGE, DIGRAS, DIST. YAVATMAL 445203 DIGRAS -----
12)Dr VIJAY KUMAR SALVIA
Address of Applicant :PROFESSOR -DIRECTOR /ECE,RESEARCH INNOVATION START UP UNIVERSITY REGD., INDORE -452018 INDORE -----

(57) Abstract :
Design of Chitosan Nanoparticle Coated Mini-Implants for Dental Issues and analysis of their properties is the proposed invention. The invention focuses on predicting the pros and cons associated with treating dental issues with chitosan nanoparticles coated with mini-implants. The properties of chitosan nanoparticles are also analysed.

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202231021970 A

(19) INDIA

(22) Date of filing of Application :13/04/2022

(43) Publication Date : 13/05/2022

(54) Title of the invention : GLIMEPIRIDE BASED SOLID DISPERSION COMPOSITION FOR TYPE-2 DIABETES

(51) International classification :A61K0031640000, A61K0009140000, C07D0207380000, A61P0003100000, A61K0047360000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Dr. Amulyaratna Behera

Address of Applicant :Professor, School of Pharmacy and Life Sciences, Bhubaneswar, Odisha, India, 751024

2)Mr. Dinesh Kumar Sharma

3)Mr. Himanshu Bhusan Samal

4)Mr. Gnyana Ranjan Parida

5)Dr. Anjan Kumar Mohanty

6)Dr. Gurudutta Pattnaik

7)Dr. AR. Shabaraya

(72)Name of Inventor :

1)Dr. Amulyaratna Behera

2)Mr. Dinesh Kumar Sharma

3)Mr. Himanshu Bhusan Samal

4)Mr. Gnyana Ranjan Parida

5)Dr. Anjan Kumar Mohanty

6)Dr. Gurudutta Pattnaik

7)Dr. AR. Shabaraya

(57) Abstract :

The present disclosure proposes a glimepiride based solid dispersion composition for type-2 diabetes. The method for preparation of physical mixture and solid dispersion of glimepiride based composition with skimmed milk that aids in the treatment of type-2 diabetes mellitus. The glimepiride solid dispersion in a diabetic rat model is evaluated by oral administration to measure the efficacy of the drug. The physical mixture and solid dispersion of glimepiride based composition with skimmed milk enhances the diabetes management of the patient.

No. of Pages : 25 No. of Claims : 9

Urkunde

über die Eintragung des Gebrauchsmusters Nr. 20 2022 100 602

Bezeichnung:

Ein System und Zusammensetzungen zur Behandlung und Vorbeugung von oxalatbedingten Krankheiten

IPC:

A61K 35/74

Inhaber/Inhaberin:

Begum, Rukaiyah Fatma, Port Blair, South Andaman, IN
Behera, Amulyaratna, Bhubaneswar, Odisha, IN
Jana, Utpal, Bilaspur, Chhattisgarh, IN
Kannabiran, Vaikundam, Kallakuruchi, Tamil Nadu, IN
Madhu, Subramanian, Chennai, Tamil Nadu, IN
Mohanty, Anjan Kumar, Cuttack, Odisha, IN
Natarajan, Deepa, Chennai, Tamil Nadu, IN
Samal, Himansu Bhusan, Dhenkanal, Odisha, IN
Sarangi, Babita, Gamharia, Seraikela Kharsawan, IN
Satpathy, Mrutyunjaya, Cuttack, Odisha, IN
Senthilraj, Rajapandi, Chennai, Tamil Nadu, IN
Swathi, Suresh, Kollam, Kerala, IN
Velmurugan, Ramaiyan, Chennai, Tamil Nadu, IN
Venkatachalam, Thangavel, Salem, Tamil Nadu, IN
Yamuna, Ravikumar, Chennai, Tamil Nadu, IN

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23.03.2022

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer



München, 23.03.2022

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

(54) Title of the invention : A novel Nanocellulose and lignosulphate based adhesive coacervate composition and preparation method thereof

(51) International classification :D21H0011180000, D21C0009000000, C08B0015080000,
D21C0003200000, C08H0008000000
(86) International Application No :PCT//
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(87) International Publication No : NA
(61) Patent of Addition to :NA
Application Number :NA
Filing Date :NA
(62) Divisional to Application :NA
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr. Y. Raja Jaya Rao
Address of Applicant :Professor, Department of Pharmaceutics, Dr Samuel George Institute of Pharmaceutical Sciences, Markapur, Prakasam District, Andhra Pradesh, India, Pincode: 523316 Prakasam ----

2)Dr. M. Durga Bhavani
3)Dr. B. Raj Kumar
4)Dr. R. Kusuma
5)Mr. Y. Govinda Rao
6)Mr. A. Mallikarjuna
7)Dr. G. Sujatha
8)Dr. Damayanthi Dalu
9)Dr. Chilukoti Ashok
10)Mr. Yagnambhatla Rajendra
11)Dr. Nihar Ranjan Kar
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. Y. Raja Jaya Rao
Address of Applicant :Professor, Department of Pharmaceutics, Dr Samuel George Institute of Pharmaceutical Sciences, Markapur, Prakasam District, Andhra Pradesh, India, Pincode: 523316 Prakasam -----
2)Dr. M. Durga Bhavani
Address of Applicant :Assistant Professor, Department of Chemistry, V.R. Siddhanta Engineering college, Vijayawada, Andhra Pradesh, India, PinCode:520007 Krishna -----
3)Dr. B. Raj Kumar
Address of Applicant :Vice principal & Associate Professor, Department of Pharmaceutical Analysis, Moonray Institute of Pharmaceutical Sciences, Raikal (V), Farooq Nagar (Tlq), Shadnagar (M), R.R Dist., Telangana, India, Pincode: 501512 Shadnagar -----
4)Dr. R. Kusuma
Address of Applicant :Associate Professor, Department of Pharmacognosy, Bojjam Narasimhulu Pharmacy College for Women, Roadno-2, Vinayak Nagar, Saidabad, Hyderabad, Telangana, India, Pincode: 500059 Hyderabad -----
5)Mr. Y. Govinda Rao
Address of Applicant :Associate Professor, Department of Pharmaceutical Analysis & Quality Assurance, Vishwa Bharathi College of Pharmaceutical Sciences, Perecherla, NRT Road, Medikonduru (M), Guntur-Dist, Andhra Pradesh, India, Pincode: 522009 Guntur -----
6)Mr. A. Mallikarjuna
Address of Applicant :Associate Professor, Department of Physics, Audisankara College of Engineering &Technology (Autonomous), Gudur, Tirupati Dt., Andhra Pradesh, India, Pincode: 524 101 Gudur -----

7)Dr. G. Sujatha
Address of Applicant :Professor, Department of Chemistry, Audisankara College of Engineering &Technology (Autonomous), Gudur, Tirupat Dt., Andhra Pradesh, India, Pincode: 524 101 Gudur -----
8)Dr. Damayanthi Dalu
Address of Applicant :Professor, Department of Pharmacology, MRM College of Pharmacy, Chintapallyguda (V), Ibrahimpatnam, R.R Dist., Telangana, India, Pincode: 501510 Ibrahimpatnam -----
9)Dr. Chilukoti Ashok
Address of Applicant :Assistant Professor, Department of Physics, Audisankara College of Engineering & Technology (Autonomous), Gudur, Tirupat Dt., Andhra Pradesh, India, Pincode: 524 101 Gudur -----

10)Mr. Yagnambhatla Rajendra
Address of Applicant :Associate Professor, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy College, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 Ranga Reddy -----

11)Dr. Nihar Ranjan Kar
Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----

(57) Abstract :

The processes that have been described are able to convert biomass into nanocellulose with a high crystallinity while using a minimal amount of mechanical energy. In certain iterations of the method, the biomass is first fractionated using lignosulfonic acids, which results in the production of cellulose-rich solids. Next, the cellulose-rich solids are subjected to mechanical treatment, which results in the formation of nanofibrils and/or nanocrystals. The powerful lignosulfonic acids that are produced during the delignification process result in a pH that is lower than one and hydrolyze the amorphous portions of cellulose more effectively. It's possible that the entire amount of mechanical energy per tonne is less than 500 kilowatt-hours. There is a possibility that the nanocellulose material has a crystallinity of 80% or greater, which would translate to excellent reinforcing qualities for composites. Nanocrystalline cellulose, nanofibrillated cellulose, or both may be included in the nanocellulose material. In certain implementations, the hydrophobic property of the nanocellulose material is achieved by depositing lignin onto the surface of the cellulose. Sugars generated from amorphous cellulose and hemicellulose have the potential to be fermented independently, resulting in the production of co-products.

No. of Pages : 28 No. of Claims : 5

(54) Title of the invention : DRUG-RELEASING POLYELECTROLYTE COATING

(51) International classification :A61L0031160000, A61L0031100000, A61L0029160000, A61L0027540000, A61L0029080000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----

2)Dr. Gajanan C Upadhye**3)Mrs. V. Anusha****4)Dr. Sateesh Kumar Vemula****5)Mr. Sanjay Kumar Gupta****6)Dr. Y. Ganesh Kumar****7)Mr. Yagnambhatla Rajendra****8)Dr. D. V. Lokeswar Reddy**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----

2)Dr. Gajanan C Upadhye

Address of Applicant :Assistant Professor, Department of Chemistry, Konkan Gyanpeeth, Karjat College of A.S.C., Karjat, Raigad, Maharashtra, India, Pin code : 410201 Raigad -----

3)Mrs. V. Anusha

Address of Applicant :Assistant Professor, Department of Pharmaceutics, KVK College of Pharmacy, Surmaiguda (V), Lashkarguda (G.P), Abdullapurmet (M), R.R Dist., Telangana, India, Pincode: 501512 Ranga Reddy -----

4)Dr. Sateesh Kumar Vemula

Address of Applicant :Professor, Department of Pharmaceutics, MAK College Of Pharmacy, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 Ranga Reddy -----

5)Mr. Sanjay Kumar Gupta

Address of Applicant :Associate Professor Department Of Pharmaceutics, Global College of Pharmacy, Chilkur (V), Moinabad (M), R.R Dist., Telangana, India, Pincode: 501504 Ranga Reddy -----

6)Dr. Y. Ganesh Kumar

Address of Applicant :Associate Professor & HOD, Department of Pharmaceutics, KVK College of Pharmacy, Surmaiguda (V), Lashkarguda (G.P), Abdullapurmet (M), R.R Dist., Telangana, India, Pincode: 501512 Ranga Reddy -----

7)Mr. Yagnambhatla Rajendra

Address of Applicant :Associate Professor, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy College, Moinabad, Rangareddy, Telangana, India Pincode: 501504 Ranga Reddy -----

8)Dr. D. V. Lokeswar Reddy

Address of Applicant :Assistant Professor, Humanities and Social Sciences Department, JNTU College of Engineering, Pulivendula, Kadapa, Andhra Pradesh, India, Pincode: 516390 Kadapa -----

(57) Abstract :

The invention which includes the following: (a) a ceramic or metallic region whose surface includes a plurality of depressions, (b) a multilayer coating region including multiple polyelectrolyte layers deposited over the surface of the ceramic or metallic region, and (c) a therapeutic agent disposed beneath or within the multilayer coating region. The depressions on the surface of the ceramic or metallic region are used to hold a therapeutic agent in place. Medical articles are provided in accordance with a different aspect of the present invention. These medical articles include (a) a ceramic or metallic region, (b) a multilayer coating region including multiple polyelectrolyte layers deposited over a surface of the ceramic or metallic region, the multilayer coating region including a plurality of protuberances; and (c) a multilayer coating region including multiple polyelectrolyte layers; Methods of producing such medical articles and methods of delivering a therapeutic agent to a patient using such medical articles are both detailed in detail throughout the present document.

No. of Pages : 25 No. of Claims : 5

(54) Title of the invention : A method, system and apparatus for cancer immunotherapy based on nanomedicines

(51) International classification :C07K0014470000, A61P0027020000, H04N0005225000, G06F0003010000, C07D0498040000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Mr. Pitchika Subrahmanyam

Address of Applicant :Research Scholar, Department of Pharmaceutics, GITAM School of Pharmacy, GITAM (Deemed to be University), Visakhapatnam, Andhra Pradesh, India, Pincode: 500035 Visakhapatnam -----

2)Ms. Kulsoom Koser**3)Mr. Yagnambhatla Rajendra****4)Dr. R. Salini****5)Mrs. M. Rajakumari****6)Dr. Nihar Ranjan Kar****7)Dr. Pagolu Koteswara Rao****8)Dr. Ashish Verma****9)Dr. Ambika S****10)Ms. Poornima Bonala**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Mr. Pitchika Subrahmanyam

Address of Applicant :Research Scholar, Department of Pharmaceutics, GITAM School of Pharmacy, GITAM (Deemed to be University), Visakhapatnam, Andhra Pradesh, India, Pincode: 500035 Visakhapatnam -----

2)Ms. Kulsoom Koser

Address of Applicant :Research Scholar, Department of Chemistry, Jamia Milla Islamia, (A Central University) New Delhi, India, Pincode: 110025 New Delhi -----

3)Mr. Yagnambhatla Rajendra

Address of Applicant :Associate Professor and HOD, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 Moinabad -----

4)Dr. R. Salini

Address of Applicant :Assistant Professor, Department of Biochemistry, V. V. Vanniaperumal College for Women, Virudhunagar, Tamilnadu, India, Pincode: 626001 Virudhunagar -----

5)Mrs. M. Rajakumari

Address of Applicant :Assistant Professor, Department of Biochemistry, V. V. Vanniaperumal College for Women, Virudhunagar, Tamilnadu, India, Pincode: 626001 Virudhunagar -----

6)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----

7)Dr. Pagolu Koteswara Rao

Address of Applicant :Research Associate, Department of Biochemistry, Andhra University, Visakhapatnam, Andhra Pradesh, India, Pincode: 530003 Visakhapatnam -----

8)Dr. Ashish Verma

Address of Applicant :Professor, Department of Physics, Dr. Harisingh Gour Viswavidyalaya, Sagar, Madhya Pradesh, India, Pincode: 470003 Sagar -----

9)Dr. Ambika S

Address of Applicant :Assistant Professor, Department of Chemistry, M.Kumarasamy College of Engineering (Autonomous), Karur, Tamilnadu, India, Pincode: 639113 Karur -----

10)Ms. Poornima Bonala

Address of Applicant :Drug Safety Associate 1, Department of Safety FSP, Parexel International, HITEC City, Madhapur, Hyderabad, Telangana, India, Pincode: 500081 Hyderabad -----

(57) Abstract :

The therapeutic targeting of the immune system in cancer is now a clinical reality, and significant breakthroughs have been obtained. These gains have been accomplished most notably via the use of checkpoint-blocking antibodies and chimeric antigen receptor T cell therapy. However, attempts to create novel immunotherapy medicines or combination therapies have been confronted with obstacles of low effectiveness and/or high toxicities, which have hampered these efforts to raise the fraction of patients who benefit from treatment. Therapeutics that are composed of or formulated in carrier materials that are typically less than 100 nm in size have been referred to as nanomedicines. These medicines were initially developed to improve the uptake of chemotherapy agents by tumours and to reduce the off-target toxicities of these agents. In this article, we will discuss how treatment strategies based on nanomedicine are well suited to immunotherapy. This is because Nanomaterials have the ability to direct immunomodulators to tumours and lymphoid organs, alter the way biologics engage with target immune cells and accumulate in myeloid cells in tumours and systemic compartments.

No. of Pages : 26 No. of Claims : 4

(54) Title of the invention : NANO ENGINEERED POLYMERIC BIOMATERIALS FOR TARGETED DRUG DELIVERY SYSTEM FOR SYNERGISTIC BRAIN-TARGETING DELIVERY METHOD THERE OF

<p>(51) International classification :A61K0031198000, G16H0050200000, H04B0007060000, G06T0007000000, G06Q0099000000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Rehana Anjum Address of Applicant :Professor, Department of Chemistry (Science and Humanities), Lords Institute of Engineering and Technology, Hyderabad, Telangana, India, Pin Code: 500091 Hyderabad -----</p> <p>2)Mrs. Arshiya Anjum 3)Mr. Khizar Syed 4)Dr. S. Dinesh 5)Mr. Deovrat Kumar 6)Dr. Nihar Ranjan Kar 7)Mr. Adabala Kumar Sanjay 8)Dr. Ashish Verma 9)Mr. Yagnambhatla Rajendra 10)Ms. Kulsoom Koser Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Rehana Anjum Address of Applicant :Professor, Department of Chemistry (Science and Humanities), Lords Institute of Engineering and Technology, Hyderabad, Telangana, India, Pin Code: 500091 Hyderabad -----</p> <p>2)Mrs. Arshiya Anjum Address of Applicant :Assistant Professor Department of Chemistry (Science and Humanities) Lords Institute of Engineering and Technology, Hyderabad, Telangana, India, Pin Code: 500091 Hyderabad -----</p> <p>3)Mr. Khizar Syed Address of Applicant :Assistant Professor, Department of Physics, Kohinoor Arts, Commerce and Science College, Khuldabad, Dist. Aurangabad, Maharashtra, India, Pin code: 431101 Aurangabad -----</p> <p>4)Dr. S. Dinesh Address of Applicant :Assistant Professor, Department of Physics, Sri Sairam Engineering College, Chennai, Tamilnadu, India, Pincode: 600044 Chennai -----</p> <p>5)Mr. Deovrat Kumar Address of Applicant :Associate Professor, Department of Pharmacy (Pharmaceutics), College of Pharmacy- Roorkee, Roorkee, Uttarakhand, India, Pincode: 247667 Roorkee -----</p> <p>6)Dr. Nihar Ranjan Kar Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----</p> <p>7)Mr. Adabala Kumar Sanjay Address of Applicant :Assistant Professor, Department of Mining, Godavari Institute of Engineering and Technology (A), Rajahmundry, Andhra Pradesh, India Pincode:533296 EAST GODAVARI -----</p> <p>8)Dr. Ashish Verma Address of Applicant :Professor, Department of Physics, Dr. Harisingh Gour Viswavidyalaya, Sagar, Madhya Pradesh, India, Pincode: 470003 Sagar -----</p> <p>9)Mr. Yagnambhatla Rajendra Address of Applicant :Associate Professor and HOD, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 Ranga Reddy -----</p> <p>10)Ms. Kulsoom Koser Address of Applicant :Research Scholar, Department of Chemistry, Jamia Milla Islamia (A Central University), New Delhi, India, Pincode: 110025 New Delhi -----</p>
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(57) Abstract :

The invention is in the field of biotechnology and relates to a novel polypeptide-modified nano dual-drug delivery system for targeting brain gliomas, as well as a method for preparing the dual-drug delivery system. Additionally, the invention also relates to a preparation method for the dual-drug delivery system. When preparing the nano dual-drug delivery system for targeting brain gliomas, a novel polypeptide is used as the targeting group, a polymer material is used as base carriers, and chemotherapy drugs are connected to the polymeric carriers by pH-sensitive hydrazone bonds. This allows the system to be tailored to specifically target brain gliomas. It is possible for the dual-drug delivery system to avoid the influence of endogenous Tf, compensate for the shortcomings of conventional targeting group Tf, improve the intake and transfection of chemotherapy drugs and genetic drugs by tumor cells, and further enhance the anti-glioma activity of the T7-modified nano dual-drug delivery system. According to the invention, doxorubicin and pORF-hTRAIL are chosen for the combination treatment of brain gliomas. This is done in order to efficiently lower the dosage of doxorubicin as well as the toxicity and to increase the anti-glioma efficacy. As a result of the drug delivery system's excellent targeting and treating effectiveness, as well as its relatively low level of toxic side effects, it has the potential to be further enhanced and used in the targeted treatment of other tumor tissues.

No. of Pages : 25 No. of Claims : 5

(54) Title of the invention : Submicron and nanoscale doped or undoped silvernanoparticles

(51) International classification :B82Y0030000000, C08K0003080000, A61L0029160000, A61Q0017000000, A61K0033380000

(86) International Application No :PCT//
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(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
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Filing Date :NA

(71)Name of Applicant :
1)Dr. B. Rajan
 Address of Applicant :Professor, Department of Electronics and Communication Engineering, Anurag Engineering College, Ananthagiri (V & M), Suryapet (Dt), Telangana, India, Pincode: 508206 Suryapet -----
2)Dr.V. Srinivasa Rao
3)Mr. L. Hari Prasad
4)Dr. Cheera Varalakshmi
5)Dr. Srinivas Ganganagunta
6)Ms. Smitha Shibu
7)Mr. Deepak Garg
8)Ms. Abha Gupta
9)Dr. Nihar Ranjan Kar
10)Dr. Ashish Verma
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)Dr. B. Rajan
 Address of Applicant :Professor, Department of Electronics and Communication Engineering, Anurag Engineering College, Ananthagiri (V & M), Suryapet (Dt), Telangana, India, Pincode: 508206 Suryapet -----
2)Dr.V. Srinivasa Rao
 Address of Applicant :Professor & Head, Department of Electronics and Communication Engineering, Anurag Engineering College, Ananthagiri (V & M), Suryapet (Dt), Telangana, India, Pincode: 508206 Suryapet -----
3)Mr. L. Hari Prasad
 Address of Applicant :Associate Professor, Department of Electronics and Communication Engineering, Anurag Engineering College, Ananthagiri (V & M), Suryapet (Dt), Telangana, India, Pincode: 508206 Suryapet -----
4)Dr. Cheera Varalakshmi
 Address of Applicant :Assistant Professor, Department of Physics, Government Degree College, Serilingampally, Hyderabad, Telangana, India, Pincode: 502032 Hyderabad -----
5)Dr. Srinivas Ganganagunta
 Address of Applicant :Senior Faculty in Physics, Engineering Department, University of Technology and Applied Sciences-IBRA, IBRA, North Al Sharqia Region, Oman, Postal Code: 400 -----
6)Ms. Smitha Shibu
 Address of Applicant :Lecturer, Engineering Department, University of Technology and Applied Sciences, IBRA, Al Sharqiya North, Oman, Postal Code: 400 -----
7)Mr. Deepak Garg
 Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, IIMT Engineering College, Meerut, Uttar Pradesh, India, Pincode:250001 Meerut -----
8)Ms. Abha Gupta
 Address of Applicant :Senior Faculty in Physics, Engineering Department, University of Technology and Applied Sciences-IBRA, IBRA, North Al Sharqia Region, Oman, Postal code :400 -----
9)Dr. Nihar Ranjan Kar
 Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----
10)Dr. Ashish Verma
 Address of Applicant :Professor, Department of Physics, Dr. Harisingh Gour Viswavidyalaya, Sagar, Madhya Pradesh, India, Pincode: 470003 Sagar -----

(57) Abstract :
 Doped metal oxides, silver-containing complex Nanoparticle compositions, silver Nanoparticle, methods of manufacture, and methods of preparation of products from silver-containing Nanoparticles are presented; anti-microbial formulations are discussed, and the disclosure of Nanoparticle consisting of silver and their applications are enabled by nanotechnology. Disclosure is made about colour photo chromatic as well as relevant applications.

No. of Pages : 23 No. of Claims : 5

(54) Title of the invention : A NOVEL NANO CRYSTAL/SILVER DIFUNCTIONAL COMPOSITE NANO MATERIAL FOR CANCER TREATMENT AND METHOD THEREOF

(51) International classification :H04N0005225000, B29L0031000000, B32B0017100000, B01J0021060000, A61K0041000000
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----

2)Dr. C. Meganathan

3)Dr. Mrs. Kashmiri A. Khamkar

4)Dr. C. Balakrishnan

5)Dr. L. Guganathan

6)Mr. Pankaj Dnyanoba Ghodke

7)Dr. K. Sakthipandi

8)Dr. LNVH Soma Sundar

9)Dr. S. Rafi Ahamed

10)Mr. Yagnambhatla Rajendra

11)Dr. Wasudeo Balaji Gurnule

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----

2)Dr. C. Meganathan

Address of Applicant :Assistant Professor, Department of Physics, Sri Sairam Engineering College, Poonthandalam, Tambaram, Chennai, Tamilnadu, India, Pincode: 600044 Chennai ---

3)Dr. Mrs. Kashmiri A. Khamkar

Address of Applicant :Lecturer in Chemistry, Applied Science Department, School of Polytechnic and Skill development, MIT World Peace University, Pune, Maharashtra, India, Pincode: 411038 Pune -----

4)Dr. C. Balakrishnan

Address of Applicant :Assistant Professor, Department of Chemistry, Erode Sengunthar Engineering College, Erode, Tamil Nadu, India, Pincode: 638057 Erode -----

5)Dr. L. Guganathan

Address of Applicant :Research Associate, Department of Physics, Annamalai University, Annamalaiagar, Tamil Nadu, India, Pincode: 608 002 Annamalaiagar -----

6)Mr. Pankaj Dnyanoba Ghodke

Address of Applicant :Assistant Professor, Basic Sciences and Humanities Department, Maharashtra Institute of Technology, Aurangabad, Maharashtra, India, Pincode: 431010 Aurangabad -----

7)Dr. K. Sakthipandi

Address of Applicant :Associate Professor, Department of Physics, SRM TRP Engineering College, Tiruchirappalli, Tamil Nadu, India, Pincode: 621105 Tiruchirappalli -----

8)Dr. LNVH Soma Sundar

Address of Applicant :Associate Professor, Department of Humanities and Sciences, Malla Reddy Engineering College (Autonomous), Maisammaguda, Medchal District, Secunderabad, Telangana, India, Pincode: 500100 Secunderabad -----

9)Dr. S. Rafi Ahamed

Address of Applicant :Associate Professor, Department of Physics, Academy of Maritime Education and Training (AMET), Deemed to be University, 135 ECR Kanathur Chennai, Tamil Nadu, India, Pincode: 603112 KANCHIPURAM -----

10)Mr. Yagnambhatla Rajendra

Address of Applicant :Associate Professor and HOD, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 Ranga Reddy -----

11)Dr. Wasudeo Balaji Gurnule

Address of Applicant :Professor, Department of Chemistry, Kamla Nehru Mahavidyalaya, Nagpur, Nagpur, Maharashtra, India, Pincode: 440024 Nagpur -----

(57) Abstract :

A rare earth upconversion nano-crystal/silver difunctional composite nanomaterial, its fabrication technique, and its use in the manufacture of a pharmaceutical for the treatment of tumours are all provided by the present invention. Taking the composite nanomaterial as a heat sensitizing agent and absorbing infrared light is one way it may be used to treat cancer; the near-infrared region (850-1100nm) is a transmission window of organism tissue; and the material has a low risk of causing harm to the human body.

No. of Pages : 24 No. of Claims : 4

(54) Title of the invention : MAKING AND ADMINISTERING DIETARY SUPPLEMENTS COMPRISING PHOTOCHEMICAL FORMULATIONS

<p>(51) International classification :A23L0033150000, A61K0031375000, A61K0033340000, A23L0033160000, A61K0033300000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Nihar Ranjan Kar Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----</p> <p>2)Dr. D. Nagarjuna Reddy 3)Dr. Nithiya Narayanan 4)Dr. Danesh Dinyar Chinoy 5)Dr. Meghasham Narayanrao Narule 6)Dr. Kalpana Gajjala 7)Mrs. Galipelly Sumitha 8)Mr. Yagnambhatla Rajendra 9)Dr. D. V. Lokeswar Reddy</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Nihar Ranjan Kar Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----</p> <p>2)Dr. D. Nagarjuna Reddy Address of Applicant :Associate Professor, Department of Chemistry, BEST INNOVATION UNIVERSITY, Gorantla, Sri SathyaSai (Dist), Andhra Pradesh, India, Pincode: 515231 ANANTAPUR -----</p> <p>3)Dr. Nithiya Narayanan Address of Applicant :Assistant Professor, Department of Chemistry, Muthayammal College of Arts and Science (Autonomous), (A unit of VANETRA group), Rasipuram, Namakkal, Tamil Nadu, India, Pincode: 637408 Namakkal -----</p> <p>4)Dr. Danesh Dinyar Chinoy Address of Applicant :Associate Professor, Sports Physiotherapy Department, School of Physiotherapy, D.Y. Patil Deemed to be University, Nerul, Navi Mumbai, Maharashtra, India, Pincode: 400706 Navi Mumbai -----</p> <p>5)Dr. Meghasham Narayanrao Narule Address of Applicant :Head and Assistant Professor, Department of Chemistry, Vidya Vikas Arts, Commerce & Science College, Samudrapur, Maharashtra, India, Pincode: 442305 Samudrapur -----</p> <p>6)Dr. Kalpana Gajjala Address of Applicant :Assistant Professor, Department of Pharmacognosy, RBVRR Women's College of Pharmacy, Barkatpura, Hyderabad, Telangana, India, Pincode: 500027 Hyderabad -----</p> <p>7)Mrs. Galipelly Sumitha Address of Applicant :Research Scholar, Department of Botany, Kakatiya University, Warangal, Telangana, India, Pincode: 506009 Warangal -----</p> <p>8)Mr. Yagnambhatla Rajendra Address of Applicant :Associate Professor and HOD, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 Ranga Reddy -----</p> <p>9)Dr. D. V. Lokeswar Reddy Address of Applicant :Assistant Professor, Humanities and Social Sciences Department, JNTU College of Engineering, Pulivendula, Kadapa, Andhra Pradesh, India, Pincode: 516390 Kadapa -----</p>
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(57) Abstract :

The current invention offers superior dietary supplements and techniques for slowing the advancement of macular degeneration and supporting healthy eyesight while simultaneously maintaining general health. This is accomplished without compromising the overall health of the patient. Vitamin E and carotenoids in the form of lutein and/or zeaxanthin are present in the dietary supplements that are the subject of this invention. Dietary supplements made using the method described in the invention additionally include rosemary, DHA, copper, and zinc, in addition to vitamin D, vitamin C, copper, and zinc. These dietary supplements may also include other vitamins and minerals.

No. of Pages : 29 No. of Claims : 4

(54) Title of the invention : A FORMULATION BASED ON PYRIDINE DERIVATIVE AND PREPARATION METHOD THEREOF

(51) International classification :A01N004340000, C07D0495040000, C07D0215180000, A61K0031443900, C07D0401040000
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Mrs. Shanti Sagar

Address of Applicant :Associate Professor, Department of Pharmaceutics, Shadan College of Pharmacy, Peerancheru, Hyderabad, Telangana, India, Pincode: 500091 Hyderabad -----

2)Dr. K. Selvaraju**3)Mr. Yagnambhatla Rajendra****4)Dr. Nihar Ranjan Kar****5)Ms. Nidhi Bongirwar****6)Mrs. Oleti Navneetha****7)Mr. Shyama Sundar Sahu****8)Dr. Kumara Swamy Jella****9)Dr. Y. Ganesh Kumar**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Mrs. Shanti Sagar

Address of Applicant :Associate Professor, Department of Pharmaceutics, Shadan College of Pharmacy, Peerancheru, Hyderabad, Telangana, India, Pincode: 500091 Hyderabad -----

2)Dr. K. Selvaraju

Address of Applicant :Associate Professor, Department of Chemistry, Sri Sairam Engineering College, West Tambaram, Chennai, Tamilnadu, India, Pincode: 600 044 Chennai -----

3)Mr. Yagnambhatla Rajendra

Address of Applicant :Associate Professor and HOD, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 Ranga Reddy -----

4)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore -----

5)Ms. Nidhi Bongirwar

Address of Applicant :Assistant Professor, Department of Pharmaceutical Analysis, Shadan College of Pharmacy College, Kalimandir, Rangareddy, Telangana, India, Pincode: 500091 Ranga Reddy -----

6)Mrs. Oleti Navneetha

Address of Applicant :Associate Professor, Department of Pharmaceutical Chemistry, Shadan College of Pharmacy, Rangareddy, Hyderabad, Telangana, India, Pincode: 500091 Ranga Reddy -----

7)Mr. Shyama Sundar Sahu

Address of Applicant :Assistant Professor, Department of Pharmaceutics, School Of Pharmacy, Rayagada, Centurion University Technology and Management, Rayagada, Odisha, India, Pincode:765002 Rayagada -----

8)Dr. Kumara Swamy Jella

Address of Applicant :Associate Professor, Department of Chemistry, Chaitanya (Deemed to be University), Hanamkonda, Telangana, India, Pincode: 506001 Hanamkonda -----

9)Dr. Y. Ganesh Kumar

Address of Applicant :Associate Professor & HOD, Department of Pharmaceutics, KVK College of Pharmacy, Surmaiguda (V), Lashkarguda (G.P), Abdullapurmet (M), R.R. Dist., Telangana, India, Pincode: 501512 Ranga Reddy -----

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(57) Abstract :

The invention provides pyridine derivatives that can be used for the preparation of materials that have applications in the pharmaceutical industry. These pyridine derivatives have the formula (I), in which R1 can be NO2, Cl, Br, or OH; R2 can be H or HOCH2; R3 can be HOCH2, ClCH2, or Br CH2; and the N-oxide of the compound of formula (I) can be obtained in the case where R2 is H and R3 is HOCH It is further revealed that a procedure for the synthesis of compounds with the formula (I) is included.

No. of Pages : 23 No. of Claims : 5

(54) Title of the invention : PHARMACEUTICAL NANOTECHNOLOGY FOR INTRAVENOUS ADMINISTRATION

(51) International classification :A61K0009510000, A61K0033300000, A61K0009160000, A61K0039395000, A61P0029000000
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044
 Balasore -----

2)Ms. Addanki Anusha**3)Dr. S. A. Sreenivas****4)Ms. Neela Swapna****5)Mr. Parag Ghosh****6)Mr. Pitchika Subrahmanyam****7)Mrs. B. Lakshmi Satya****8)Dr. C. Soujanya****9)Dr. Anand Raj****10)Mr. Yagnambhatla Rajendra**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044
 Balasore -----

2)Ms. Addanki Anusha

Address of Applicant :Assistant Professor, Department of Pharmaceutics, Malla Reddy Institute of Pharmaceutical Sciences, Maisammaguda, Dhulapally, Kompally Post, Hyderabad, Secunderabad, India, Pincode: 500100 Hyderabad -----

3)Dr. S. A. Sreenivas

Address of Applicant :Professor & Principal, Department of Pharmacy, Sree Dattha Institute of Pharmacy, Hyderabad, Telangana, India, Pincode: 501510 Hyderabad -----

4)Ms. Neela Swapna

Address of Applicant :Associate Professor, Department of Pharmacy (Pharmaceutics), Nalla Narasimha Reddy Education Society's Group of Institutions-School of Pharmacy, Chowdariguda, Narapally, Ghatkesar, Hyderabad, Telangana, India, Pincode: 500088 Hyderabad -----

5)Mr. Parag Ghosh

Address of Applicant :Assistant Professor, School of Pharmacy, The Neotia University, Kolkata, West Bengal, India, Pincode: 743503 Kolkata -----

6)Mr. Pitchika Subrahmanyam

Address of Applicant :Research Scholar, Department of Pharmaceutics, GITAM School of Pharmacy, GITAM (Deemed to be University), Visakhapatnam, Andhra Pradesh, India, Pincode: 500035 Visakhapatnam -----

7)Mrs. B. Lakshmi Satya

Address of Applicant :Associate Professor, Department of Pharmaceutics, Vishnu Institute of Pharmaceutical Education and Research, Hyderabad, Telangana, India, Pincode: 502313 Hyderabad -----

8)Dr. C. Soujanya

Address of Applicant :Associate Professor, Department of Pharmaceutics, Vishnu Institute of Pharmaceutical Education and Research, Hyderabad, Telangana, India, Pincode: 502313 Hyderabad -----

9)Dr. Anand Raj

Address of Applicant :Research Associate-II, National Dope Testing Laboratory (NDTL), Government of India, Gate No. 10, JLN Stadium Complex, Near MTNL building, Lodhi Road, New Delhi, Delhi, India, Pincode: 110003 New Delhi -----

10)Mr. Yagnambhatla Rajendra

Address of Applicant :Associate Professor and HOD, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 Ranga Reddy -----

(57) Abstract :

Poly(lactic-co-glycolic acid) (PLGA) and poly(lactic acid) (PLA) nanoparticles are provided. These nanoparticles can encapsulate a water-soluble drug with low molecular weight and can deliver the drug to target lesion sites, where the particles slowly release the drug over a prolonged period of time. The preparation of the nanoparticles involves allowing the low-molecular, water-soluble, non-peptide drug to interact with a metal ion in order to make the drug hydrophobic, encapsulating the hydrophobized drug within PLGA or PLA nanoparticles and then allowing a surfactant to be adsorbed onto the surface of the particles. This process results in the nanoparticles having a hydrophobic surface.

No. of Pages : 21 No. of Claims : 5

(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE AND IOT BASED SYSTEM FOR REGENERATIVE MEDICINE FOR THE TREATMENT OF LIFE-THREATENING DISEASES AND METHOD THEREOF

<p>(51) International classification :G16H0010600000, G16H0050200000, H04L0067120000, G16H0070600000, H04W0012060000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr.H.Lilly Beaulah Address of Applicant :Professor and Head, Department of CSE, Mahendra College of Engineering, Salem, Tamil Nadu, India, Pin Code:636106 Salem -----</p> <p>2)Dr.G.Rajesh Chandra 3)Dr.K.Gowrishankar 4)Dr.M.Mary Jansirani 5)Dr.Ashish Verma 6)Dr.Nihar Ranjan Kar 7)Mr. Rama Krishna Yellapragada 8)Dr.Sangram Keshari Panda 9)Dr.A.V.Kishore Babu 10)Mr.Sudhir Kumar Sahu</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr.H.Lilly Beaulah Address of Applicant :Professor and Head, Department of CSE, Mahendra College of Engineering, Salem, Tamil Nadu, India, Pin Code:636106 Salem -----</p> <p>2)Dr.G.Rajesh Chandra Address of Applicant :Professor, Department of CSE, KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur District, Andhra Pradesh, India. Pin Code: 522017 Guntur -----</p> <p>3)Dr.K.Gowrishankar Address of Applicant :Associate Professor, Department of Electrical and Electronics Engineering, AMET University, Kanathur, Tamil Nadu, India. Pin Code: 603112 Chennai ----</p> <p>4)Dr.M.Mary Jansirani Address of Applicant :Assistant Professor, PG and Research Department of Mathematics, Holy Cross College (Autonomous), Trichy, Tamil Nadu, India. Pin Code:620002 Tiruchirappalli ----</p> <p>5)Dr.Ashish Verma Address of Applicant :Professor, Department of Physics, Dr. Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh, India. Pin Code:470003 Sagar -----</p> <p>6)Dr.Nihar Ranjan Kar Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India. Pin Code:756044 Balasore -----</p> <p>7)Mr. Rama Krishna Yellapragada Address of Applicant :Assistant Professor, Department of CSE, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Andhra Pradesh, India, Pin Code: 522302 Guntur -----</p> <p>8)Dr.Sangram Keshari Panda Address of Applicant :Professor and Principal, Jeypore College of Pharmacy, Rondapalli, Jeypore, Koraput, Odisha, India. Pin Code:764002 Koraput -----</p> <p>9)Dr.A.V.Kishore Babu Address of Applicant :Associate Professor, Department of Pharmacy Practice, Bhaskar Pharmacy College, Hyderabad, Yenkapally, Moinabad, Hyderabad, Telangana, India. Pin Code:500075 Hyderabad -----</p> <p>10)Mr.Sudhir Kumar Sahu Address of Applicant :Assistant Professor, Department of Pharmaceuticals, The Pharmaceutical College, Samaleswari Vihar Tingipali, Barpali, Bargarh, Odisha, India. Pin Code:768029 Bargarh -----</p>
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(57) Abstract :
[026] The present invention discloses an Artificial Intelligence and IoT based system for regenerative medicine for the treatment of life-threatening diseases and method thereof. In the present invention, a database unit for maintaining a centralised iridology database with a list of medical diseases and dysfunctions that correspond to iridology data on a plurality of IoT devices, where the medical data includes levels of psychological or cardiovascular parameters related to each of the patients, and the iridology data includes respective medical data for a number of patients. Further, providing each of the aforementioned patients an IoT based mobile device with a built-in small iridology camera and iridology analysing Artificial Intelligence interfaces and further, using the mobile device to do an iridology scan by pointing the iridology small camera into one of the patients' eyes. Accompanied Drawing [FIGS. 1-2]

No. of Pages : 17 No. of Claims : 8

(54) Title of the invention : Anti-Aging Nano Formulations and Nano-cosmetic composition

(51) International classification :A61K0008640000, A61Q0019080000, A61K0008920000, A61Q0019000000, A61K0008978900

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Mr. Gaurav Singh

Address of Applicant :Assistant Professor, Department of Sciences & Humanities, St. Peter's Engineering College, Hyderabad, Telangana, India, Pin Code- 500043 -----

2)Dr. Masma Shaik**3)Dr. Gadiraju Venkata Vijaya Bhaskara Rao****4)Mr. Mogal Karamattulla Baig****5)Mr. Yagnambhatla Rajendra****6)Dr. Nihar Ranjan Kar****7)Dr. Abdul Wajid****8)Mr. Sanjay Kumar Gupta****9)Dr. Ritu****10)Mr. Pola Kranthi Kumar**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Mr. Gaurav Singh

Address of Applicant :Assistant Professor, Department of Sciences & Humanities, St. Peter's Engineering College, Hyderabad, Telangana, India, Pin Code- 500043 --

2)Dr. Masma Shaik

Address of Applicant :Assistant Professor, Department of Sciences & Humanities, St. Peter's Engineering College, Hyderabad, Telangana, India, Pin Code- 500043 --

3)Dr. Gadiraju Venkata Vijaya Bhaskara Rao

Address of Applicant :Associate Professor, Department of Science and Humanities, RISE Krishna Sai Prakasam Group of Institutions, Vallur (V & P), Tanguturu (M), Prakasam (Dt.), Andhra Pradesh, India, Pincode: 523272 -----

4)Mr. Mogal Karamattulla Baig

Address of Applicant :Associate Professor, Department of Science and Humanities, RISE Krishna Sai Prakasam Group of Institutions, Vallur (V & P), Tanguturu (M), Prakasam (Dt.), Andhra Pradesh, India, Pincode: 523272 -----

5)Mr. Yagnambhatla Rajendra

Address of Applicant :Associate Professor and HOD, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 -----

6)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 -----

7)Dr. Abdul Wajid

Address of Applicant :Assistant Professor, Department of Chemistry, Shri Shivaji College of Arts, Commerce and Science, Akola, Maharashtra, India, Pincode: 444001 -----

8)Mr. Sanjay Kumar Gupta

Address of Applicant :Associate Professor, Department Of Pharmaceutics, Global College of Pharmacy Chilkur (V), Moinabad (M), R.R Dist, Telangana, India, Pincode: 501504 -----

9)Dr. Ritu

Address of Applicant :Associate Professor, Department of Chemistry, Chhotu Ram Arya College, Sonapat, Haryana, India, Pincode: 131001 -----

10)Mr. Pola Kranthi Kumar

Address of Applicant :Assistant Professor, Department of Pharmaceutics, Bhaskar Pharmacy College, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 ----

(57) Abstract :

Specifically, the invention relates to novel anti-wrinkle and anti-aging nanoformulations made from non-toxic mesoporous silica nanoparticles, natural plant extracts (such as pomegranate oil, fennel oil, rosemary oil, chamomile oil, jojoba oil, rosehip oil), biologically active agents (acetyl hexapeptide-8, aspartic acid), vitamins, and others. The current invention also concerns a novel process for manufacturing the nanoformulations, which involves co-encapsulating its active ingredients inside a multilayer nanocarrier to improve transport across the skin barrier and control accumulation at the target spot.

No. of Pages : 22 No. of Claims : 5

(54) Title of the invention : A SENSOR BASED ON PHOTOCHEMICAL AND ELECTROCHEMICAL ASPECTS HAVING MICROFLUIDIC AND GREEN-CHEMISTRY APPLICATIONS

<p>(51) International classification :B01L000300000, B60W005000000, B01J002326000, B01J001912000, C07C002118000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. M. Charumathy Address of Applicant :Research Coordinator & Assistant Professor, PG & Research Department of Biochemistry, Marudhar Kesari Jain College for Women, ChinnakalluPalli, Vaniyambadi, Tamilnadu, India, Pincode: 635751 Vaniyambadi ----- 2)Dr. C. Pavithra 3)Mrs. Priya Sanjay Singh 4)Ms. M. Anchana 5)Dr. G. Raja 6)Dr. Nihar Ranjan Kar 7)Dr. Durga Madhab Mahapatra 8)Dr. Mahamuda Shaik 9)Dr. P. Sailaja 10)Mr. Yagnambhatla Rajendra Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. M. Charumathy Address of Applicant :Research Coordinator & Assistant Professor, PG & Research Department of Biochemistry, Marudhar Kesari Jain College for Women, ChinnakalluPalli, Vaniyambadi, Tamilnadu, India, Pincode: 635751 Vaniyambadi ----- 2)Dr. C. Pavithra Address of Applicant :Head & Assistant Professor, PG & Research Department of Physics, Marudhar Kesari Jain College for Women, Vaniyambadi, Thirupatur Dt., Tamilnadu, India, Pincode: 635 751 Vaniyambadi ----- 3)Mrs. Priya Sanjay Singh Address of Applicant :Research Scholar, Department of Chemistry, Jaipur National University, Jaipur, Rajasthan, India, Pincode: 302017 Jaipur ----- 4)Ms. M. Anchana Address of Applicant :Assistant Professor, Department of Physics, Marudhar Kesari Jain College for Women, Vaniyambadi, Chennai, Tamilnadu, India, Pincode: 635751 Vaniyambadi ----- 5)Dr. G. Raja Address of Applicant :Professor, Department of Chemistry, Paavai Engineering College (Autonomous), Pachal Post, Namakkal District, Tamilnadu, India Pincode: 637018 Namakkal - ----- 6)Dr. Nihar Ranjan Kar Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 Balasore ----- 7)Dr. Durga Madhab Mahapatra Address of Applicant :Assistant Professor (Selection Grade), Department of Chemical Engineering, Energy Cluster, School of Engineering, University of Petroleum and Energy Studies (UPES), Dehradun, Uttarakhand, India, Pincode: 248 007 Dehradun ----- 8)Dr. Mahamuda Shaik Address of Applicant :Associate Professor, Department of Engineering Physics, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur Dt., Andhra Pradesh, India, Pincode: 522302 Guntur ----- 9)Dr. P. Sailaja Address of Applicant :Assistant Professor, Department of Physics, G. Pulla Reddy Degree & PG College, Mehdiapatnam, Hyderabad, Telangana, India, Pincode: 500028 Assistant Professor, ----- 10)Mr. Yagnambhatla Rajendra Address of Applicant :Associate Professor and HOD, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 Ranga Reddy -----</p>
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(57) Abstract :

A microfluidic system that includes a number of photochemical reaction stages, wherein the microfluidic system also includes a computational processor, a number of photochemical reaction stages that are electrically controllable, and a series of controllable interconnections that are used to connect the photochemical reaction stages. The computational processor in an implementation is responsible for controlling the plurality of electrically controlled photochemical reaction stages and the controllable interconnections in order to carry out the multi-step photochemical synthesis function.

No. of Pages : 22 No. of Claims : 5

(54) Title of the invention : A composite nano material having Multifunctional nuclear shell structure drug carrier material and method thereof

(51) International classification :A61P0035000000, A61K0009000000, A61P0029000000, A61K0009500000, B82Y0005000000
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Mr. Pitchika Subrahmanyam

Address of Applicant :Research Scholar, Department of Pharmaceutics, GITAM School of Pharmacy, GITAM (Deemed to be University), Visakhapatnam, Andhra Pradesh, India, Pincode: 500035 -----

2)Dr. Sheerin Masroor**3)Dr. Rupesh Kumar Annam****4)Dr. T.Madhavi Latha****5)Dr. S. Manimaran****6)Dr. M. Parthasarathy****7)Dr. Nihar Ranjan Kar****8)Dr. P. V. Chalapathi****9)Dr. Y. Sushma Priya****10)Dr. Rubina Sahin**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Mr. Pitchika Subrahmanyam

Address of Applicant :Research Scholar, Department of Pharmaceutics, GITAM School of Pharmacy, GITAM (Deemed to be University), Visakhapatnam, Andhra Pradesh, India, Pincode: 500035 -----

2)Dr. Sheerin Masroor

Address of Applicant :Assistant Professor, Department of Chemistry, A.N. College, Patliputra University, Patna, Bihar, India, Pincode: 800013 -----

3)Dr. Rupesh Kumar Annam

Address of Applicant :Professor, Department of Basic Science and Humanities, St. Mary's Women's Engineering College, Budampadu, Guntur, Andhra Pradesh, India, Pincode: 522017 -----

4)Dr. T.Madhavi Latha

Address of Applicant :Assistant Professor, Department of Physics, Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam, Andhra Pradesh, India, Pincode: 535002 -----

5)Dr. S. Manimaran

Address of Applicant :Head, PG Department of Physics, Srinivasan College Of Arts & Science, Perambalur, Tamil Nadu, India, Pincode: 621212 -----

6)Dr. M. Parthasarathy

Address of Applicant :Associate Professor and Head, Department of Physics, Vels Institute of Science, Technology & Advanced Studies (VISTAS), Pallavaram, Chennai, Tamil Nadu, India, Pincode: 600117 -----

7)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 -----

8)Dr. P. V. Chalapathi

Address of Applicant :Assistant Professor, Department of Physics, University College of Engineering, Narasaraopet, Jawaharlal Nehru Technology University, Narasaraopet, Andhra Pradesh, India, Pincode: 522601 -----

9)Dr. Y. Sushma Priya

Address of Applicant :Assistant Professor, Department of Physics, Adikavi Nannaya university, Rajamahendravaram, East Godavari District, Andhra Pradesh, India, Pincode: 533296 -----

10)Dr. Rubina Sahin

Address of Applicant :Lecturer (Chemistry), Department of Basic Science & Humanities, NMDC DAV Polytechnic, Dantewada, Geedam, Dantewada, Chhattisgarh, India, Pincode: 494441 -----

(57) Abstract :

Cancerous tumors and inflammatory disorders may be treated with chemotherapies that are released in a regulated and targeted manner thanks to a composite magnetic Nanoparticle drug delivery system. A biocompatible and biodegradable polymer, a magnetic Nanoparticle, the biological targeting agent human serum albumin, and a therapeutic pharmaceutical composition are all components of the magnetic Nanoparticle. Oil-in-oil emulsion/solvent evaporation and high shear mixing are the two methods that are used to create the composite nanoparticles. Magnetic nanoparticles are attracted to the damaged regions by a magnetic field that is applied from the outside. The biological targeting agent causes the nanoparticles to be drawn into the tissues that are impacted. The regulated time release distribution of the medicinal ingredient is provided by the breakdown of the polymer.

No. of Pages : 26 No. of Claims : 5

(54) Title of the invention : Advanced Nano Phyto formulations based targeted drug delivery

(51) International classification :A61K0009700000, A61P0025280000, A61K0036886000, A61P0017020000, A61K0036906600

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Dr. G. Neelamma

Address of Applicant :Associate Professor, Department of Pharmaceutics, Vikas College of Pharmaceutical Sciences, Rayanigudem, Suryapet, Telangana, Pin code: 508376 -----

2)Mr. Madhusudana T.**3)Mrs. Pratit Kanchan Sahu****4)Dr. Satyabrata Jena****5)Dr. Srinivas Ganganagunta****6)Dr. Nihar Ranjan Kar****7)Mr. Tapan Kumar Sahu****8)Mrs. Itishree Jogamaya Das****9)Mr. Yagnambhatla Rajendra****10)Dr. Himansu Bhusan Samal****11)Mr. Sai Prakash Panigrahi**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. G. Neelamma

Address of Applicant :Associate Professor, Department of Pharmaceutics, Vikas College of Pharmaceutical Sciences, Rayanigudem, Suryapet, Telangana, Pin code: 508376 -----

2)Mr. Madhusudana T.

Address of Applicant :Research Scholar, Department of Pharmaceutical Chemistry, Kuvempu University, Post Graduate Centre, Kadur, Karnataka, India, Pincode: 577548 -----

3)Mrs. Pratit Kanchan Sahu

Address of Applicant :Associate Professor, Department of Pharmacology, Jeypore College of Pharmacy, Rondapalli, Jeypore, Koraput, Odisha, India, Pincode: 764002 -----

4)Dr. Satyabrata Jena

Address of Applicant :Associate Professor, Department of Pharmaceutics, Bhaskar Pharmacy College, Yenkapally, Moinabad, Hyderabad, Telangana, India, Pincode: 500075 -----

5)Dr. Srinivas Ganganagunta

Address of Applicant :Senior Faculty in Physics, Engineering Department, University of Technology and Applied Sciences-IBRA, IBRA, North Al Sharqia Region, Oman, Postal Code: 400 -----

6)Dr. Nihar Ranjan Kar

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur Campus, Balasore, Odisha, India, Pincode: 756044 ---

7)Mr. Tapan Kumar Sahu

Address of Applicant :Lecturer, Department of Pharmacy, Om Sai College of Pharmacy and Health Science, Berhampur, Odisha, India, Pincode: 760003 -----

8)Mrs. Itishree Jogamaya Das

Address of Applicant :Research Scholar, Department of Pharmaceutical Sciences and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand, India, Pincode: 835215 -

9)Mr. Yagnambhatla Rajendra

Address of Applicant :Associate Professor and HOD, Department of Pharmaceutical Chemistry, MAK College Of Pharmacy, Moinabad, Rangareddy, Telangana, India, Pincode: 501504 -----

10)Dr. Himansu Bhusan Samal

Address of Applicant :Associate Professor, Department of Pharmaceutics, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramchandrapur, Jatni, Bhubaneswar, Odisha, India, Pincode: 752050 -----

11)Mr. Sai Prakash Panigrahi

Address of Applicant :Assistant Professor, Department of Pharmacology, Radha Govind University, Ramghar, Jharkhand, India, Pincode:829122 -----

(57) Abstract :

This invention pertains to a pharmaceutical preparation and a method of preparation for treating challenged tissue in humans and animals, such as skin wounds and ulcers. The pharmaceutical preparation may be used to treat skin wounds and ulcers. This anti-cancer transdermal patch for melanoma treatment also refers to the multifunctional natural matrix that is intended for the treatment of impaired tissues. In addition, the invention includes a method for the treatment of Alzheimer's disease in addition to multiple sclerosis. The composition is made up of a water-solubilized nano-sized formulation of a non-aqueous solvent extract of phyto-pharmaceuticals in a herbal, animal, or synthetic biocompatible gel or on matrix coated, or both. In the most advantageous implementation, the composition is implemented as a topical device for the purpose of treating damaged tissues.

No. of Pages : 21 No. of Claims : 3

(54) Title of the invention : A CRITICAL APPRAISAL OF ARTIFICIAL INTELLIGENCE BASED RETINA SCAN FOR THE DETERMINATION OF CARDIOVASCULAR PATHOLOGY IN A PATIENT AND METHOD THEREOF

(51) International classification :G06F0016583000, A61B0005145500, G06F0016580000, A61B0003120000, A61B0005021000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr.Ashish Kumar Sarangi
 Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----
2)Dr.Rudra Narayan Sahoo
3)Dr.Gurudutta Pattnaik
4)Dr.Sovan Pattanaik
5)Dr.Jasmin Panda
6)Dr.Gyanranjan Mahalik
7)Mr.Yashwant Giri
8)Mrs.Nabani Mahato
9)Mr.Sujit Kumar Patro
10)Ms.B.Jyotirmayee
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)Dr.Ashish Kumar Sarangi
 Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----
2)Dr.Rudra Narayan Sahoo
 Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:752050 ---
3)Dr.Gurudutta Pattnaik
 Address of Applicant :Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Jatni, Odisha, India. Pin Code:752050 -----
4)Dr.Sovan Pattanaik
 Address of Applicant :Associate Professor, School of Pharmaceutical Sciences, Siksha O Anusandhan University, Bhubaneswar, Odisha, India. Pin Code:751003 -----
5)Dr.Jasmin Panda
 Address of Applicant :Department Of Pharmacy, IMS & SUM Hospital, Siksha O Anusandhan University, Bhubaneswar, Odisha, India. Pin Code:751003 -----
6)Dr.Gyanranjan Mahalik
 Address of Applicant :Associate Professor, Department of Botany, School of Applied Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:752050 -----
7)Mr.Yashwant Giri
 Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:752050 ---
8)Mrs.Nabani Mahato
 Address of Applicant :Assistant professor, Department of Pharmacy, Netaji Subhas Institute of pharmacy under Netaji Subhas University, Jamshedpur, Jharkhand, India. Pin code:832110 ---
9)Mr.Sujit Kumar Patro
 Address of Applicant :Assistant Professor, Department of Pharmacognosy, Roland Institute of Pharmaceutical Sciences, Berhampur, Odisha, India. Pin code:760010 -----
10)Ms.B.Jyotirmayee
 Address of Applicant :Ph.D Scholar, Department of Botany, School of Applied Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:752050 -----

(57) Abstract :
 [026] The present invention discloses a critical appraisal of Artificial Intelligence based retina scan for the determination of cardiovascular pathology in a patient and method thereof. In the present invention, a content-based image retrieval system with an archive of saved digital retinal photography images and diagnosed patient cardiovascular data corresponding to those images, each of the stored images being indexed in the CBIR database using a number of feature vectors that correspond to different descriptive properties of the stored images; and interfaces between the processor unit, optical detecting device, and imaging equipment and further, examining the blood vessel's physical properties to ascertain the subject's deoxyhemoglobin saturation. Accompanied Drawing [FIGS. 1-2]

No. of Pages : 17 No. of Claims : 8

(54) Title of the invention : EFFECTIVE HEART DISEASE PREDICTION USING HYBRID ARTIFICIAL NEURAL NETWORKS TECHNIQUES

<p>(51) International classification :G06N0003080000, G06N0003040000, A47J0043250000, G06K0009620000, C09J0163000000</p> <p>(86) International Application No Filing Date :PCT// :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant : 1)ALEKHYA BANDI Address of Applicant :ASSISTANT PROFESSOR /ECE DEPARTMENT /VR SIDDHARTHA ENGINEERING COLLEGE/ VIJAYAWADA/KANURU/520007 ----- --</p> <p>-----</p> <p>2)J. MRUDULA 3)S JYOTHIRMAYE 4)B. SUNEETHA 5)DR. NAMDEV VASANT TELORE 6)DR. T. ARUNKUMAR 7)G.APARNA 8)DR CHITLURI NARASIMHA RAO 9)HRUDESH PRIYADARSAN SAHOO 10)RATHOD VINOD KUMAR 11)SATYABRATA JENA 12)YAGNAMBHATLA RAJENDRA</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)ALEKHYA BANDI Address of Applicant :ASSISTANT PROFESSOR /ECE DEPARTMENT /VR SIDDHARTHA ENGINEERING COLLEGE/ VIJAYAWADA/KANURU/520007 ----- --</p> <p>-----</p> <p>2)J. MRUDULA Address of Applicant :ASSOCIATE PROFESSOR, ECE DEPT., GEETHANJALI COLLEGE OF ENGG. AND TECH. HYDERABAD. -----</p> <p>3)S JYOTHIRMAYE Address of Applicant :ASSOCIATE PROFESSOR, ECE DEPARTMENT, GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY, CHEERYAL (V), MEDCHAL, 501301 -----</p> <p>4)B. SUNEETHA Address of Applicant :ASSISTANT PROFESSOR, ECE, GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY, HYDERABAD,501301 -----</p> <p>5)DR. NAMDEV VASANT TELORE Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF GEOGRAPHY, RAJA SHRIPATRAO BHAGWANTRAO MAHAVIDYALAYA, AUNDH, TAL. KHATAV, DIST. SATARA 415510 -----</p> <p>6)DR. T. ARUNKUMAR Address of Applicant :ASSISTANT PROFESSOR/CHEMISTRY, SNS COLLEGE OF TECHNOLOGY, SATHY MAIN ROAD, COIMBATORE - 641035 -----</p> <p>7)G.APARNA Address of Applicant :GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY, CHEERYAL, KEESARA, MEDCHAL, HYDERABAD -----</p> <p>8)DR CHITLURI NARASIMHA RAO Address of Applicant :LECTURER IN ZOOLOGY, GOVERNMENT COLLEGE FOR MEN (A), KADAPA, ANDHRA PRADESH, INDIA-516004. -----</p> <p>9)HRUDESH PRIYADARSAN SAHOO Address of Applicant :ASSISTANT PROFESSOR IN PHARMACOLOGY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BALASORE,756044 -----</p> <p>-----</p> <p>10)RATHOD VINOD KUMAR Address of Applicant :STUDENT, DEPARTMENT OF PHARMACY, MAK COLLEGE OF PHARMACY, MOINABAD, TELANGANA, INDIA, 501504 -----</p> <p>11)SATYABRATA JENA Address of Applicant :ASSOCIATE PROFESSOR, BHASKAR PHARMACY COLLEGE, HYDERABAD, 500075 -----</p> <p>12)YAGNAMBHATLA RAJENDRA Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, MAK COLLEGE OF PHARMACY, MOINABAD, RANGAREDDY,501504, TS, INDIA -----</p>
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(57) Abstract :
Effective heart disease prediction using hybrid artificial neural networks techniques is the proposed invention. The invention focuses on designing an automated framework with artificial neural networks for effective prediction of heart disease. The proposed invention focuses on getting the benefits of hybrid neural networks so that the efficacy in predicting the heart disease will increase to a grater extent.

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241026105 A

(19) INDIA

(22) Date of filing of Application :05/05/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE BASED APPROACH TO LOOK FOR ABNORMALITIES IN HEART ANATOMY USING IMAGING MODALITIES

(51) International classification :G06T0007000000, A61B0090000000, G06K0009620000, A61B0006000000, A61B0008080000

(86) International Application No Filing Date :PCT// :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number Filing Date :NA :NA

(62) Divisional to Application Number Filing Date :NA :NA

(71)Name of Applicant :

1)KONDA HARI KRISHNA
Address of Applicant :ASSISTANT PROFESSOR, DEPT. OF COMPUTER SCIENCE & ENGINEERING, SCHOOL OF COMPUTING, KONERU LAKSHMAIAH EDUCATION FOUNDATION DEEMED TO BE UNIVERSITY(KL UNIVERSITY), GREEN FIELDS, VADDESWAREM, GUNTUR DISTRICT, A.P-522302. -----

2)HRUDESH PRIYADARSAN SAHOO

3)DR.K.L.SHUNMUGANATHAN

4)SREEKANTH SETTUR

5)HARISHCHANDER ANANDARAM

6)DR SHAHAJI SHIVAJI CHANDANSHIVE

7)DR. S. SUBHA

8)KAVITA KARAMBELKAR

9)DR. PRITHWIRAJ MOHAPATRA

10)G. ARAVIND

11)SATYABRATA JENA

12)YAGNAMBHATLA RAJENDRA

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)KONDA HARI KRISHNA
Address of Applicant :ASSISTANT PROFESSOR, DEPT. OF COMPUTER SCIENCE & ENGINEERING, SCHOOL OF COMPUTING, KONERU LAKSHMAIAH EDUCATION FOUNDATION DEEMED TO BE UNIVERSITY(KL UNIVERSITY), GREEN FIELDS, VADDESWAREM, GUNTUR DISTRICT, A.P-522302. -----

2)HRUDESH PRIYADARSAN SAHOO
Address of Applicant :ASSISTANT PROFESSOR IN PHARMACOLOGY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT,GOPALPUR, BALASORE,AT/PO- GOPALPUR , DIST- BALASORE, PIN-756044 -----

3)DR.K.L.SHUNMUGANATHAN
Address of Applicant :DYDIRECTOR.INDUSTRYACADEMIARELATIONS, AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY (VMRF), PAYANOR, CHENNAI. -----

4)SREEKANTH SETTUR
Address of Applicant :SSBM GENEVA, GENEVA BUSINESS CENTER, AVENUE DES MORGINES 12, GENÈVE, SWITZERLAND, 1213 -----

5)HARISHCHANDER ANANDARAM
Address of Applicant :ASSISTANT PROFESSOR, CENTRE FOR EXCELLENCE IN COMPUTATIONAL ENGINEERING AND NETWORKING (CEN), AMRITA VISHWA VIDYAPEETHAM, COIMBATORE -----

6)DR SHAHAJI SHIVAJI CHANDANSHIVE
Address of Applicant :ASSISTANT PROFESSOR ,DEPARTMENT OF ZOOLOGY, SHIKSHAN MAHARSHI GURUVARYA R G SHINDE MAHAVIDYALAYA PARANDA DIST.OSMANABAD MS.PIN-413502 -----

7)DR. S. SUBHA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY,DR.L.BULLAYYA COLLEGE, VISAKHAPATNAM -----

8)KAVITA KARAMBELKAR
Address of Applicant :HOD-IT DEPARTMENT, ACHIEVERS COLLEGE, KALYAN(W), THANE-421501 -----

9)DR. PRITHWIRAJ MOHAPATRA
Address of Applicant :PROFESSOR, DEPARTMENT OF PHARMACOGNOSY, JEYPORE COLLAGE OF PHARMACY, JEYPORE, ODISHA-764002 -----

10)G. ARAVIND
Address of Applicant :MAK COLLEGE OF PHARMACY, MOINABAD,501504 -----

11)SATYABRATA JENA
Address of Applicant :ASSOCIATE PROFESSOR, BHASKAR PHARMACY COLLEGE, HYDERABAD 500075 -----

12)YAGNAMBHATLA RAJENDRA
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY,MAK COLLEGE OF PHARMACY, MOINABAD, RANGAREDDY,501504 -----

(57) Abstract :
An Artificial Intelligence based approach to look for Abnormalities in Heart Anatomy using Imaging Modalities is the proposed invention. The invention focuses on designing and implementing a framework that can help identify the kind of heart disease that a person is suffering from. The invention aims at analysing the images of heart that are captured using various imaging modalities. The invention leads to therapeutic treatment.

No. of Pages : 11 No. of Claims : 4

(54) Title of the invention : THE DETECTION OF VARIED EEG PATTERN SIGNAL FOR CHRONIC MIGRAINE PATIENTS

<p>(51) International classification :A61B0005000000, A61P0025060000, A61B0005374000, A61B0005316000, A61B0005369000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA Filing Date :NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. MAHESH KUMAR GUPTA Address of Applicant :DEAN, Department of Pharmacy, Career Point University, National Highway 52, Opp. Alaniya Mata ji Mandir, Kota, Rajasthan, India-324005. -----</p> <p>2)Mr. DEBASHIS PUROHIT 3)Ms. SUBHASHREE CHOUDHURY 4)Ms. MAZMA BEGUM 5)Dr. LUBHAN SINGH 6)Mrs. SHAINDA LAEEQ 7)Dr. MANISH PATHAK 8)Mr. BISWAJEET ACHARYA 9)Dr. KETAN VINAYAKRAO HATWARE 10)Dr. UMAMA TEHREEM</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr. MAHESH KUMAR GUPTA Address of Applicant :DEAN, Department of Pharmacy, Career Point University, National Highway 52, Opp. Alaniya Mata ji Mandir, Kota, Rajasthan, India-324005. -----</p> <p>2)Mr. DEBASHIS PUROHIT Address of Applicant :Research Scholar, Department of Pharmacy, Career Point University, National Highway 52, Opp. Alaniya Mata ji Mandir, Kota, Rajasthan, India- 324005. -----</p> <p>3)Ms. SUBHASHREE CHOUDHURY Address of Applicant :Assistant Professor, Department of Pharmaceutical Technology, Jeypore College of Pharmacy, Jeypore, Koraput, Odisha, India- 764002. -----</p> <p>4)Ms. MAZMA BEGUM Address of Applicant :Assistant Professor, Department of Pharmaceutical Analysis and Quality Assurance, Jeypore College of Pharmacy, Jeypore, Koraput, Odisha, India- 764002. -----</p> <p>5)Dr. LUBHAN SINGH Address of Applicant :Professor, Department of Pharmacology, Kharvel Subharti College of Pharmacy, Swami Vivekanand Subharti University, Meerut, Uttar Pradesh, India- 250005. ----</p> <p>6)Mrs. SHAINDA LAEEQ Address of Applicant :Assistant Professor, Department of Pharmacy, Maharana Pratap College of Pharmacy, Kothi, Mandhana, Kanpur, Kanpur, Uttar Pradesh, India-209217. -----</p> <p>7)Dr. MANISH PATHAK Address of Applicant :Associate Professor, Department of Pharmaceutical Chemistry, Kharvel Subharti College of Pharmacy, Swami Vivekananda Subharti University, Meerut, Uttar Pradesh, India-250005. -----</p> <p>8)Mr. BISWAJEET ACHARYA Address of Applicant :Assistant Professor, Department of Pharmacology, School of Pharmacy, Centurion University of Technology and Management, Balangir, Odisha, India-767001. -----</p> <p>9)Dr. KETAN VINAYAKRAO HATWARE Address of Applicant :Assistant Professor, Department of Pharmacology, SVKM'S NMIMS Deemed to be University, School of Pharmacy and Technology Management, Shirpur Campus, Shirpur, Maharashtra, India-425405. -----</p> <p>10)Dr. UMAMA TEHREEM Address of Applicant :Assistant Professor, Department of Pharmacy Practice, Anwarul Uloom College of Pharmacy, New Mallepally, Hyderabad, Telangana, India- 500001. -----</p>
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(57) Abstract :

The analysis of particular (electroencephalographic) EEG frequency bands has revealed new insights relative to the neural dynamics that, when studying the EEG spectrum as a whole, would have remained hidden. This study is aimed at characterizing spectral resting state EEG patterns for assessing possible differences of episodic and chronic migraine during the interictal period. For that purpose, a novel methodology for analyzing specific frequencies of interest was performed. Methods. Eighty-seven patients with migraine (45 with episodic and 42 with chronic migraine) and 39 age- and sex-matched controls performed a resting-state EEG recording. Spectral measures were computed using conventional frequency bands. Additionally, particular frequency bands were determined to distinguish between controls and migraine patients, as well as between migraine subgroups. Results. Frequencies ranging from 11.6 Hz to 12.8 Hz characterized migraine as a whole, with differences evident in the central and left parietal regions (controlling for false discovery rate). An additional band between 24.1 Hz and 29.8 Hz was used to discriminate between migraine subgroups. Interestingly, the power in this band was positively correlated with time from onset in episodic migraine, but no correlation was found for chronic migraine. Conclusions. Specific frequency bands were proposed to identify the spectral characteristics of the electrical brain activity in migraine during the interictal stage. Our findings support the importance of discriminating between migraine subgroups to avoid hiding relevant features in migraine.

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241054973 A

(19) INDIA

(22) Date of filing of Application :26/09/2022

(43) Publication Date : 07/10/2022

(54) Title of the invention : FORMULATION AND CHARACTERIZATION OF TRANSDERMAL PATCHES OF AMLODIPINE BESYLATE USING OLIVE OIL AS THE NATURAL PERMEATION ENHANCER

<p>(51) International classification :A61K000900000, A61K0031442200, A61K0009700000, A61K0008920000, A61K0031441800</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. DIBYA LOCHAN MOHANTY Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS ANURAG UNIVERSTIY, VENKATAPUR, MEDCHAL, HYDERABAD, TELANGANA, PIN-500088. -----</p> <p>2)Mr. DEEPANKAR RATH</p> <p>3)Ms. RUPALI RUPASMITA</p> <p>4)Miss. PALLISHREE BHUKTA</p> <p>5)Miss. SUCHARITA BABU</p> <p>6)ASWINI KUMAR SETHI</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr. DIBYA LOCHAN MOHANTY Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS ANURAG UNIVERSTIY, VENKATAPUR, MEDCHAL, HYDERABAD, TELANGANA, PIN-500088. -----</p> <p>2)Dr. VASUDHA BAKSHI Address of Applicant :PROFESSOR, DEPARTMENT OF PHARMACEUTICS ANURAG UNIVERSITY, VENKATAPUR, MEDCHAL, HYDERABAD, PIN-500088 -----</p> <p>3)Mr. DEEPANKAR RATH Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR, ODISHA, PIN-752050 -----</p> <p>4)Ms. RUPALI RUPASMITA Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR, ODISHA, PIN-752050 -----</p> <p>5)Miss. PALLISHREE BHUKTA Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR, ODISHA, PIN-752050 -----</p> <p>6)Miss. SUCHARITA BABU Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR, ODISHA, PIN-752050 -----</p> <p>7)ASWINI KUMAR SETHI Address of Applicant :ASSISTANT PROFESSOR, JEYPORE COLLEGE OF PHARMACY, RONDAPALLI, KORAPUT, JEYPORE, ODISHA, 764002 -----</p>
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(57) Abstract :

Amlodipine Basylate is employed to treat high blood pressure and prevents calcium ions from penetrating the cardiac and vascular mucosal tissue through transmembrane pathways. It was selected for synthesis because it satisfies all physicochemical criteria necessary for skin penetration. Olive oil has been demonstrated to be the much more efficient oil since it has penetrating properties and improves the stiffness of a patches during formulation. The drug's solubility, melting point, partition coefficient, and pH preformulation experiments were determined to be comparable to the norm. The solvent casting method was used to create the transdermal films for amlodipine, and various evaluation criteria, including weight variation, thickness, folding endurance, drug content, percentage moisture absorption, percentage moisture loss, and diffusion studies, were used to gauge their effectiveness. All of the parameters that the formulae indicated were within acceptable bounds. The optimal • formulation for amlodipine besylate was formulation F5, which contained olive oil and demonstrated greater release (98.89%) over a long enough time—up to 72 hours.

No. of Pages : 5 No. of Claims : 3



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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details

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DATE OF FILING	07/12/2022
APPLICANT NAME	1 . Ms. Samreen Kausar Abdul Rauf 2 . Dr. Rubina Sahin 3 . Dr. T. Vidyasagar 4 . Mr. Wasim Ahmed Khan 5 . Dr. Gopal Krishna Padhy 6 . Mrs. P. Madhuri 7 . Dr. Shobha Thakur 8 . Dr. S. Manimaran 9 . Mr. Vinod Vijaykumar Patil 10 . Mrs. Nilam Shivaji Devkar
TITLE OF INVENTION	A hybrid nanosensor based on novel fluorescent iron oxide nanoparticles for highly selective determination of Hg ²⁺ ions in environmental samples
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	03mrmanoj@gmail.com
ADDITIONAL-EMAIL (As Per Record)	03mrmanoj@gmail.com
E-MAIL (UPDATED Online)	
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 Ministry of Commerce & Industry,
 Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202231073569
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/12/2022
APPLICANT NAME	1 . Dr. CHANDRA SEKHAR PATRO 2 . Dr. FAIZAN SAYEED 3 . Dr. PARESH MISHRA 4 . Dr. NIRANJAN PANDA 5 . Mr. SANJAY KUMAR GUPTA 6 . Dr. SAROJ KUMAR RAUL 7 . Mr. DEBGOPAL GANGULY 8 . Dr. KETAN VINAYAKRAO HATWARE 9 . Mr. KAILASH CHANDRA JENA 10 . Mr. SATYABRATA JENA
TITLE OF INVENTION	NANO-BASED DRUG DELIVERY SYSTEMS: RECENT DEVELOPMENTS AND FUTURE PROSPECTS
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	c.patro@rediffmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
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Office of the Controller General of Patents, Designs & Trade Marks
 Department of Industrial Policy & Promotion,
 Ministry of Commerce & Industry,
 Government of India

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(<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202241043129
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/07/2022
APPLICANT NAME	1 . Dr. Nellore Manoj Kumar 2 . Dr. Ajit Kumar Patro 3 . Dr. Jagana Bihari Padhy 4 . Dr. Bibhu Prasad 5 . Dr. Tusharkant Panda 6 . Dr. Hari Kishan Chapala 7 . Dr. Grandhi Prasuna 8 . Mr. K. Shyam Sundar Rao 9 . Dr. D. V. Lokeswar Reddy
TITLE OF INVENTION	An AI & ML based system for tagging for connected devices in a wireless network and method thereof
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	03mrmanoj@gmail.com
ADDITIONAL-EMAIL (As Per Record)	03mrmanoj@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/08/2022

Application Status



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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Application Details

APPLICATION NUMBER	202241068398
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/11/2022
APPLICANT NAME	1 . Dr. S. Muthu Vijaya Pandian 2 . Ms. W. Ancy Breen 3 . Dr. G. Deena 4 . Dr. CH. Venkata Kishore 5 . Prabhat Kumar Patnaik 6 . Dr Shweta Sachdeva 7 . Mr. Shrinivasa 8 . Dr. D. Nethra Pingala Suthishni 9 . Anjani kumar 10 . Ranjith R
TITLE OF INVENTION	Artificial Intelligence and IoT based Automatic Smart Healthcare Monitoring system to monitor health for pet animals and birds using AI camera, WSN, cloud and Deep learning algorithms
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	pprservices21@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	02/12/2022

Application Status

APPLICATION STATUS	Awaiting Request for Examination
--------------------	---

[View Documents](#)

➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

(54) Title of the invention : Real time Crop Recommendation Framework based on Soil Quality and Environmental Condition Using Machine Learning Model.

<p>(51) International classification :G06N0020000000, G06K0009620000, G06N0020100000, G06Q0050020000, G06Q0030060000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. Mamata Garanayak Address of Applicant :Assistant Professor, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. mamata.garanayak@cutm.ac.in Bhubaneswar -----</p> <p>2)Dr. Shreela Dash 3)Suvendu Kumar Nayak 4)Dr. Dayal Kumar Behera 5)Raj Kumar Mohanta 6)Sunil Kumar Mohapatra 7)Dr. Subhra Swetanisha</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr. Mamata Garanayak Address of Applicant :Assistant Professor, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. mamata.garanayak@cutm.ac.in Bhubaneswar -----</p> <p>2)Dr. Shreela Dash Address of Applicant :Assistant Professor, Centurion University of Technology and Management, Bhubaneswar, Odisha, India Bhubaneswar -----</p> <p>3)Suvendu Kumar Nayak Address of Applicant :Assistant Professor, Centurion University of Technology and Management, Bhubaneswar, Odisha, India Bhubaneswar -----</p> <p>4)Dr. Dayal Kumar Behera Address of Applicant :Assistant Professor, Silicon Institute of Technology, Bhubaneswar Patia -----</p> <p>5)Raj Kumar Mohanta Address of Applicant :Assistant Professor, Centurion University of Technology and Management, Bhubaneswar, Odisha, India Bhubaneswar -----</p> <p>6)Sunil Kumar Mohapatra Address of Applicant :Assistant Professor, Centurion University of Technology and Management, Bhubaneswar - 752050, Odisha, India Bhubaneswar -----</p> <p>7)Dr. Subhra Swetanisha Address of Applicant :Assistant Professor, Trident Academy of Technology, Bhubaneswar Bhubaneswar -----</p>
--	--

(57) Abstract :

ABSTRACT Our nation's economic prosperity is heavily influenced by agriculture. Investments in agricultural research and extension have consistently produced outstanding rates of return across Asia and the Pacific. Contrarily, the current global food crisis exposed the fragility of food supply systems and undermined many earlier accomplishments in the fight against hunger and malnutrition. It also demonstrates the necessity of continuing to innovate. The key issue that needs to be resolved is when to cultivate certain crops. Machine learning techniques, which have been shown to be a successful method for forecasting the best harvest, can be used to do this. Crop selection and shifting climatic conditions are the two main problems that farmers must deal with. The dataset collected is originally split into a training dataset and a testing dataset. For the purpose of creating the crop suggestion prediction model, the ML model is given a training dataset. When the model has been created with the least amount of mistake and the greatest degree of accuracy, test data is presented to it. To the constructed model the inputs are fed. This study used a variety of machine learning techniques, including Decision Tree, Naive Bayes, Support Vector Machine, Logistic Regression, and Random Forest, to convey its recommendations for diverse Indian crops. These five different categories of machine learning algorithms were the subject of the analysis, and Nave Bayes produced the best accuracy results. The model has a 96.891% accuracy rate when predicting and making suggestions for the crops.

No. of Pages : 12 No. of Claims : 6



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202211065323
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/11/2022
APPLICANT NAME	1 . Ms Harleen Kaur 2 . Dr. G. Meena Devi 3 . PROF.DR.YEGNANARAYANAN VENKATARAMAN 4 . Kakara V V S Chowdary 5 . Dr PRAKASH CHANDRA SWAIN 6 . Dr Jitendra Sharma 7 . Dr. P. AKILA 8 . Ramesh Kumar 9 . Dr. Manoj AS 10 . AKHTAR HASAN JAMAL KHAN 11 . Dr Syed Afzal Ahmad 12 . Dr. V.Kannan
TITLE OF INVENTION	IMPACT ON DIGITAL AWARENESS PROGRAMME TOWARDS ONLINE FRAUD LOAN APP IN INDIA
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	arinnapatent@gmail.com
ADDITIONAL-EMAIL (As Per Record)	arinnapatent@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/11/2022

Application Status

REPUBLIC OF SOUTH AFRICA

REGISTER OF PATENTS

PATENTS ACT, 1978

Official application No.		Lodging date: Provisional		Acceptance date	
21	01 2022/11886	22		47	2022/11/30
International classification		Lodging date: Complete		Granted date	
51	A61K	23	2022/11/01		2022/12/21
71	Full name(s) of applicant(s)/Patentee(s):				
<p>Mr.Satyabrata Jena Associate Professor, Bhaskar Pharmacy College (JNTUH-Hyderabad), Yenkapally, Moinabad, Hyderabad, Telangana, 500075, India</p> <p>Dr.Niranjan Panda Professor and HOD, Department of Pharmaceutics, Anwarul Uloom College of Pharmacy, Osmania University, New Mallepally, Hyderabad, Telangana, 500001, India</p> <p>Dr.Satyajit Panda Assistant Professor, Department of Pharmaceutics, Institute of Pharmacy and Technology, Salipur, (Biju Patnaik University of Technology), Cuttack, Odisha, 754202, India</p> <p>Dr.Kanchana N.Dussa Professor and Head, Department of Pharmacy Practice, Anwarul Uloom College of Pharmacy, Osmania University, New Mallepally, Hyderabad, Telangana, 500001, India</p> <p>Dr.Himansu Bhusan Samal Associate Professor, Department of Pharmaceutics, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramchandrapur, Jatni, Bhubaneswar, Odisha, 752050, India</p> <p>Mr.Sribatsa Lanchhana Dash Associate Professor, Department of Pharmaceutical Chemistry, Maharana Pratap College of Pharmacy, Kothi, Mandhana, Kanpur, Uttar Pradesh, (Dr. A.P.J. Abdul Kalam Technical University), Kanpur, Uttar Pradesh, 209217, India</p> <p>Dr.Bibhuti Bhusana Panigrahi Principal and Professor, Department of Pharmaceutics, Om Sai Institute of Paramedical Sciences (Biju Patnaik University of Technology), Dukura, Mayurbhanj, Odisha, 757075, India</p> <p>Mr.Tankadhar Mishra Assistant Professor, Pharmacognosy, The Pharmaceutical College, Samaleswari vihar, Tingipali, Barpali, (Biju Patnaik University of Technology), Bargarh District, Odisha, 768029, India</p> <p>Dr.Goje Arjun Associate Professor and HOD, Teegala Ram Reddy College of Pharmacy (JNTUH-Hyderabad), Meerpet, Saroornagar, Hyderabad, Telangana, 500097, India</p> <p>Mr.Sourab Ghosh Head Quality Assurance, Ace Healthcare Ltd, No: 72/A, Illimba-Kandana Road, Kandana, Horana, Sri Lanka</p>					
71	Applicant substituted:			Date registered	
71	Assignee(s):			Date registered	
72	Full name(s) of inventor(s):				
<p>Mr.Satyabrata Jena Dr.Niranjan Panda Dr.Satyajit Panda Dr.Kanchana N.Dussa Dr.Himansu Bhusan Samal Mr.Sribatsa Lanchhana Dash Dr.Bibhuti Bhusana Panigrahi Mr.Tankadhar Mishra Dr.Goje Arjun Mr.Sourab Ghosh</p>					
Priority claimed:		Country	Number	Date	
54	Title of invention				
A DRUG DELIVERY SYSTEM BY USING ARTIFICIAL INTELLIGENCE INTERFACES FOR PREPARING MICROEMULSIONS TO ENHANCE BIOAVAILABILITY					
Address of applicant(s)/patentee(s):					
<p>Associate Professor, Bhaskar Pharmacy College (JNTUH-Hyderabad), Yenkapally, Moinabad, Hyderabad, Telangana, 500075 INDIA</p> <p>Professor and HOD, Department of Pharmaceutics, Anwarul Uloom College of Pharmacy, Osmania University, New Mallepally, Hyderabad, Telangana, 500001 INDIA</p> <p>Assistant Professor, Department of Pharmaceutics, Institute of Pharmacy and Technology, Salipur, (Biju Patnaik University of Technology), Cuttack, Odisha, 754202</p>					

INDIA
 Professor and Head, Department of Pharmacy Practice, Anwarul Uloom College of Pharmacy, Osmania University, New Mallepally, Hyderabad, Telangana, 500001

INDIA
 Associate Professor, Department of Pharmaceutics, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramchandrapur, Jatni, Bhubaneswar, Odisha, 752050

INDIA
 Associate Professor, Department of Pharmaceutical Chemistry, Maharana Pratap College of Pharmacy, Kothi, Mandhana, Kanpur, Uttar Pradesh, (Dr. A.P.J. Abdul Kalam Technical University), Kanpur, Uttar Pradesh, 209217

INDIA
 Principal and Professor, Department of Pharmaceutics, Om Sai Institute of Paramedical Sciences (Biju Patnaik University of Technology), Dukura, Mayurbhanj, Odisha, 757075

INDIA
 Assistant Professor, Pharmacognosy, The Pharmaceutical College, Samaleswari vihar, Tingipali, Barpali, (Biju Patnaik University of Technology), Bargarh District, Odisha, 768029

INDIA
 Associate Professor and HOD, Teegala Ram Reddy College of Pharmacy (JNTUH-Hyderabad), Meerpet, Saroornagar, Hyderabad, Telangana, 500097

INDIA
 Head Quality Assurance, Ace Healthcare Ltd, No: 72/A, Illimba-Kandana Road, Kandana, Horana

SRI LANKA

74	Address for service	
Wolmarans and Susan Inc. 337 Surrey Avenue, Randburg, 2194 SOUTH AFRICA Reference No.		
61	Patent of addition No.	Date of any change
Fresh application based on.		Date of any change

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount
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HISTORY SHEET

Date entry made	Description
2022-11-02	Request for the acceptance of a Patent electronically filed on 1/11/2022, numbered 2022/11886
2022-11-02	Proof reading performed automatically
2022-11-30	Application accepted on 30/11/2022.
2022-12-22	Patent advertised on 21-12-2022.
2022-12-22	Patent granted on 21-12-2022.





REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

**MR.SATYABRATA JENA; DR.NIRANJAN PANDA; DR.SATYAJIT PANDA;
DR.KANCHANA N.DUSSA; DR.HIMANSU BHUSAN SAMAL; MR.SRIBATSA
LANCHHANA DASH; DR.BIBHUTI BHUSANA PANIGRAHI; MR.TANKADHAR
MISHRA; DR.GOJE ARJUN; MR.SOURAB GHOSH**

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2022/11886

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 21st day of **December 2022**

Registrar of Patents



Centurion
UNIVERSITY

2023 Patent Details

Paralakhemundi Campus: At - Village Alluri Nagar, P.O - R Sitapur, Via - Uppalada, Paralakhemundi - 761 211, Dist: Gajapati, Odisha, Phone: (06815) 222999

Bhubaneswar Campus: At - Ramachandrapur, P.O - Jatni, Bhubaneswar - 752050, Dist: Khurda, Odisha, Phone: (0674) 2492496

Corporate Office: At - HIG - 4, Jaydev Vihar, Opp. Pal Heights, Bhubaneswar - 751013, Dist: Khurda, Odisha, India.

Website: www.cutm.ac.in

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Benachrichtigung über den Erhalt einer Gebrauchsmusteranmeldung:

Dokumenten Referenz-Nr. (DRN): 2022122813184100DE

Anmeldung eingegangen am: 28.12.2022

Digitale Signatur

Signaturniveau: fortgeschritten

gültig von: 28.11.2022 01:00:00

gültig bis: 29.11.2027 00:59:59

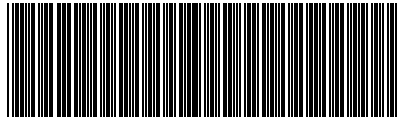
Seriennummer: 18195984972387930518499884007315914216

Herausgeber: O=European Patent Office,
CN=European Patent Office CA G2

Daten zum vorliegenden Vorgang:

amtliches Aktenzeichen: 20 2022 107 272.8

Barcode:



20 2022 107 272.8

Vorgangstyp: Gebrauchsmusteranmeldung

Bezeichnung der Erfindung: Ein System zur Analyse der Infektion mit Pseudomonas Syringae durch gezielte Ansprache von Cochaperonen, die eine J-Domäne enthalten

Ihr Zeichen: G11949DE

Anmelder: Centurion University of Technology and Management
HIG-4, Jaydev Vihar, Dist: Khurda
751013 Bhubaneswar, Odisha
IN



Folgende Dateien sind beim Deutschen Patent- und Markenamt eingegangen und wurden auf korrekte Syntax, Vollständigkeit der Anmeldedaten und zulässige Graphikformate erfolgreich validiert	Specification.pdf (G11949DE Anmeldeunterlagen 24122022.pdf) DIRECTDEBIT.XML DE-UM-REQUEST.XML
Hashwert des Antrags	24A2696901DC1AF1968860E86FBD9792A176299A
Folgende Formulare wurden automatisch aus den eingereichten Dateien generiert	DE-UM-REQUEST.PDF DIRECTDEBIT.pdf



Folgende Warnungen sind bei der Validierung aufgetreten:

[Anmelder: Die zusätzliche Adresszeile sollte die Länge von 100 Zeichen nicht überschreiten.,
Anmelder: Die zusätzliche Adresszeile sollte die Länge von 100 Zeichen nicht überschreiten.,
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Anmelder: Die zusätzliche Adresszeile sollte die Länge von 100 Zeichen nicht überschreiten.]

Diese Mitteilung wird signiert und verschlüsselt übertragen und bestätigt den Eingang der oben aufgelisteten Dateien im Deutschen Patent- und Markenamt. **Darüber hinaus sind zu diesem Zeitpunkt keine rechtlich verbindlichen Aussagen bezüglich des Inhaltes dieser Dateien möglich.** Fragen zu diesem Vorgang richten Sie bitte unter Angabe der DRN, des amtlichen Aktenzeichens und des Eingangsdatums an:

Deutsches Patent- und Markenamt

Zweibrückenstr. 12
80297 München
Telefon: 089 / 2195-1000
Fax: 089 / 2195-2221
E-Mail: info@dpma.de

Für **technische** Fragen rund um DPMAdirekt wenden Sie sich an unsere technische Kundenbetreuung:

E-Mail: DPMAdirekt@dpma.de

Register information for utility models

File number **DE: 20 2022 107 272.8** (status: pending/in force, as of: February 15, 2023)

Hit 1/1


 Research hit list


BASE DATA

INID	criteria	Field	Contents
	property right type	SART	utility model
	status	ST	Pending/In Effect
21	Case number DE	DAKZ	20 2022 107 272.8
54	designation/title	ti	A system for analyzing infection with Pseudomonas Syringae by targeting cochaperones containing a J-domain
51	IPC main class	ICM (ICMV)	C12Q 1/04 (2006.01)
51	IPC minor class(es)	ICS (ICSV)	C12Q 1/68 (2018.01) , C12Q 1/686 (2018.01) , C12Q 1/6883 (2018.01) , G01N 33/53 (2006.01) , G01N 33/68 (2006.01)
22	Filing date DE	DATE	12/28/2022
47	registration day	ET	01/30/2023
71/73	Applicant/Owner	INH	Centurion University of Technology and Management, Bhubaneswar, Odisha, IN, Panigrahi, Gagan Kumar, Jatni, Odisha, IN, Sahoo, Annapurna, Nayagarh, Odisha, IN, Sahoo, Shraban Kumar, Sambalpur, Odisha, IN, Satapathy, Kunja Bihari, Bhubaneswar, Odisha, IN
74	Representative	VTR	Hohendorf Kierdorf Patent Attorneys PartGmbB, 50672 Cologne, DE
	delivery address		Hohendorf Kierdorf Patent Attorneys PartGmbB, 50672 Cologne, DE
	Due date	FT FG	12/31/2025 maintenance fee for the 4th-6th Year
43	initial release date	PUB	01/30/2023
	Day of first transfer to DPMAreger	ENERGIZED	01/30/2023

INID	criteria	Field	Contents
	Day of the (last) update in DPMAregister	REG	01/30/2023 (show all update days)

PROCEDURAL DATA

No.	procedure type	status of proceedings	status of proceedings ▲	initial release date	Close all details
1	pre-trial	The application is in the preliminary examination	12/28/2022		View Details
2	utility model proceedings	Registration of the utility model	01/30/2023		View Details

PROCEDURE VIEW UTILITY MODEL PROCEDURE : REGISTRATION OF THE UTILITY MODEL (NO.: 2) [Close details](#)

INID	criteria	Field	Contents
	procedure type	VART	utility model proceedings
	status of proceedings	VST	Registration of the utility model
	status of proceedings	VSTT	01/30/2023
	Procedure update date	REG	01/30/2023

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Registerauszug zum Aktenzeichen 20 2022 107 272.8

Stand am 15.02.2023
(letzte Aktualisierung in DPMAregister am 30.01.2023)

Es bestehen folgende Eintragungen:

Stammdaten

- [-----] **Schutzrechtsart:** Gebrauchsmuster
- [-----] **Status:** Anhängig/in Kraft
- [21] **Aktenzeichen DE:** 20 2022 107 272.8
- [54] **Bezeichnung/Titel:** Ein System zur Analyse der Infektion mit Pseudomonas Siringae durch gezielte Ansprache von Cochaperonen, die eine J-Domäne enthalten
- [51] **IPC-Hauptklasse:** C12Q 1/04 (2006.01)
- [51] **IPC-Nebenkategorie(n):** C12Q 1/68 (2018.01);C12Q 1/686 (2018.01);C12Q 1/6883 (2018.01);G01N 33/53 (2006.01);G01N 33/68 (2006.01)
- [22] **Anmeldetag DE:** 28.12.2022
- [47] **Eintragungstag:** 30.01.2023
- [71/
73] **Anmelder/Inhaber:** Centurion University of Technology and Management, Bhubaneswar, Odisha, IN, Panigrahi, Gagan Kumar, Jatni, Odisha, IN, Sahoo, Annapurna, Nayagarh, Odisha, IN, Sahoo, Shraban Kumar, Sambalpur, Odisha, IN, Satapathy, Kunja Bihari, Bhubaneswar, Odisha, IN
- [74] **Vertreter:** Hohendorf Kierdorf Patentanwälte PartGmbH, 50672 Köln, DE
- [-----] **Zustellanschrift:** Hohendorf Kierdorf Patentanwälte PartGmbH, 50672 Köln, DE
- [-----] **Fälligkeit:** Aufrechterhaltungsgebühr für das 4.-6. Jahr/ 31.12.2025
- [43] **Erstveröffentlichungstag:** 30.01.2023
- [-----] **Tag der ersten Übernahme in DPMAregister:** 30.01.2023
- [-----] **Tag der (letzten) Aktualisierung in DPMAregister:** 30.01.2023

Verfahrensdaten

Vorverfahren

- [-----] **Verfahrensart:** Vorverfahren
- [-----] **Verfahrensstand:** Die Anmeldung befindet sich in der Vorprüfung
- [-----] **Verfahrensstandstag:** 28.12.2022
- [-----] **Tag der Aktualisierung des Verfahrens:** 30.01.2023

Gebrauchsmusterverfahren

- [-----] **Verfahrensart:** Gebrauchsmusterverfahren
- [-----] **Verfahrensstand:** Eintragung des Gebrauchsmusters
- [-----] **Verfahrensstandstag:** 30.01.2023
- [-----] **Tag der Aktualisierung des Verfahrens:** 30.01.2023



POSTANSCHRIFT Deutsches Patent- und Markenamt • 80297 München

Hohendorf Kierdorf
Patentanwälte PartGmbH
Hohenzollernring 79-83
50672 Köln

HAUSANSCHRIFT Zweibrückenstraße 12, 80331 München

POSTANSCHRIFT 80297 München

KONTAKT Röber

TEL +49 89 2195-1770

FAX +49 89 2195-2221

INTERNET www.dpma.de

AKTENZEICHEN 20 2022 107 272.8

ANMELDER/INHABER Centurion University of Technology and
Management u.a.

IHR ZEICHEN G11949DE

ERSTELLT AM 04.01.2023

Bitte Aktenzeichen und Anmelder/Inhaber bei allen Eingaben und Zahlungen angeben!

Empfangsbestätigung für eine Gebrauchsmusteranmeldung

Die aus der beiliegenden Antragskopie ersichtliche Gebrauchsmusteranmeldung ist am 28.12.2022 beim Deutschen Patent- und Markenamt eingegangen.

Die Anmeldung hat das **Aktenzeichen 20 2022 107 272.8** erhalten.

Eingegangene Unterlagen:

- 19 Seite(n) mit Beschreibung
- 4 Seite(n) Schutzansprüche mit 10 Schutzansprüchen
- 2 Blatt Zeichnung(en)
- 0 Abschrift(en) der Voranmeldung(en)
- Abschrift der Voranmeldung bei Abzweigung
- Vertretervollmacht
- Sequenzprotokoll als elektronisches Dokument

Wichtige Hinweise:

Wird die Anmelde- oder Rechercheantragsgebühr nicht innerhalb von 3 Monaten nach Einreichung der Anmeldung bzw. nach Stellung des Antrags gezahlt, so gilt die Anmeldung bzw. der Rechercheantrag als zurückgenommen (§ 6 PatKostG). Bitte beachten Sie, dass außer der Empfangsbestätigung keine weitere Gebührenbenachrichtigung versandt wird.

Auf der nächsten Seite befinden sich weitere Informationen zu den Gebühren sowie Zahlungshinweise.



Dieses Dokument wurde elektronisch erstellt und ist ohne Unterschrift gültig.

Zugang DPMAdirektPro

Anlage(n)

Gebührensätze

Anmeldegebühr	
bei Anmeldung in elektronischer Form	30,-- EUR (Gebührennummer 321 000)
bei Anmeldung in Papierform	40,-- EUR (Gebührennummer 321 100)
Recherchegebühr	250,-- EUR (Gebührennummer 321 200)

Bei jeder Zahlung ist das vollständige **Aktenzeichen**, die genaue Bezeichnung des **Anmelders** und der **Verwendungszweck in Form der Gebührennummer** (s. unten) in deutlicher Schrift anzugeben.

Die **Recherchegebühr** verfällt mit Zahlung; eine Erstattung der Gebühr findet daher auch dann nicht statt, wenn die Recherche z.B. wegen Zurücknahme oder Zurückweisung der Anmeldung abgebrochen werden muss. Es wird daher empfohlen, den Recherchantrag erst dann zu stellen, wenn feststeht, dass der Eintragung keine Hindernisse im Wege stehen.

Zahlungshinweise

1. Die Zahlung der Gebühr bestimmt sich nach der Patentkostenzahlungsverordnung (PatKostZV).
Danach können Gebühren wie folgt entrichtet werden:
 - a) durch Barzahlung bei den Geldstellen des Deutschen Patent- und Markenamts in München, in Jena und im Informations- und Dienstleistungszentrum Berlin,
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2. Bei jeder Zahlung sind das vollständige **Aktenzeichen**, die genaue Bezeichnung des **Anmelders (Inhabers)** und die **Gebührennummern** in deutlicher Schrift anzugeben. Die Gebührennummern ergeben sich aus dem Gebührenverzeichnis des Patentkostengesetzes (PatKostG), das auch im Kostenmerkblatt A 9510 des Deutschen Patent- und Markenamts abgedruckt ist.
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 - a) bei Barzahlung der Tag der Einzahlung,
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Da die Bundeskasse die Bareinzahlung von der Überweisung nach b) nicht anhand der Buchungsunterlagen zu unterscheiden vermag, sollte der Bareinzahler, wenn er den nach dieser Zahlungsform vorverlagerten Einzahlungstag geltend machen möchte, dem Deutschen Patent- und Markenamt **unverzüglich** den vom Geldinstitut ausgestellten **Einzahlungsbeleg** vorlegen;

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(54) Title of the invention : Nano formulations-based drug delivery to reach blood brain barrier

(51) International classification :A61P0035000000, C12N0015113000, A61P0025160000, A61P0025000000, C07K0016280000
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Dr. Kiran Kumar Y

Address of Applicant :Professor & Principal, Department of Pharmaceutics, Sana College of Pharmacy, Kodad, Telangana, India, Pincode: 508206 -----

2)Mrs. E. Navya Pravala**3)Dr. Gopal Krishna Padhy****4)Ms. Annada Kar****5)Dr. Reddy Sunil****6)Ms. Ipsita Priyadarsini Samal****7)Dr. Y. Ganesh Kumar****8)Mrs. V. Anusha****9)Dr. Gyanranjan Mahalik****10)Dr. K. Jagadeeswaraiiah****11)Mr. Sumanta Bhattacharya**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Kiran Kumar Y

Address of Applicant :Professor & Principal, Department of Pharmaceutics, Sana College of Pharmacy, Kodad, Telangana, India, Pincode: 508206 -----

2)Mrs. E. Navya Pravala

Address of Applicant :Assistant Professor, Department of Pharmacy (Pharmacology), St Pauls College of Pharmacy, Turkayamjal, Abdullapurmet, Rangareddy, Telangana, India, Pincode: 501510 -----

3)Dr. Gopal Krishna Padhy

Address of Applicant :Associate Professor, Department of Pharmaceutical Chemistry, Centurion University of Technology and Management, Rayagada, Odisha, India, Pincode: 765001 -----

4)Ms. Annada Kar

Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, Royal College of Pharmacy and Health Sciences, Berhampur, Odisha, India, Pincode: 760002 -----

5)Dr. Reddy Sunil

Address of Applicant :Professor & HOD- Pharmaceutics, Department of Pharmacy, SVS Group of Institutions, Hanmakonda, Telangana, India, Pincode: 506015 -----

6)Ms. Ipsita Priyadarsini Samal

Address of Applicant :Ph.D. Scholar, Department of Botany, School of Applied Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India, Pincode: 752050 -----

7)Dr. Y. Ganesh Kumar

Address of Applicant :Professor & HOD, Department of Pharmaceutics, KVK College of Pharmacy, Surmaiguda (V), Lashkarguda (G.P), Abdullapurmet (M), R.R Dist., Telangana, India, Pincode: 501512 -----

8)Mrs. V. Anusha

Address of Applicant :Department of Pharmaceutics, KVK College of Pharmacy, Surmaiguda (V), Lashkarguda (G.P), Abdullapurmet (M), R.R Dist., Telangana, India, Pincode: 501512 -----

9)Dr. Gyanranjan Mahalik

Address of Applicant :Associate Professor, Department of Botany, School of Applied Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India, Pincode: 752050 -----

10)Dr. K. Jagadeeswaraiiah

Address of Applicant :Lecturer, Department of Chemistry, Govt. Degree College for Women, Wanaparthy, Telangana, India, Pincode: 509103 -----

11)Mr. Sumanta Bhattacharya

Address of Applicant :Research Scholar, Department of Textile Technology, MAKAUT, Kolkata, West Bengal, India Pincode: 700064 -----

(57) Abstract :

The disclosure provides a composition that includes a nanoconjugate. The nanoconjugate includes a polynucleotide that is sufficiently complementary to a target polynucleotide. The target polynucleotide encodes a polypeptide that is specifically expressed in a central nervous system (CNS) disorder. The nanoconjugate also has the ability to cross the blood-brain barrier (BBB). In a few of the possible implementations, the composition also includes a targeting moiety. The abnormal expression of genes may, in some cases, be traced back to the origin of the condition. In some implementations, the composition also includes a therapeutic agent, while in other implementations, the therapeutic agent is temozolamide. Both of these may be thought of as embodiments. A targeted moiety and/or a therapeutic drug may be included in the nanoconjugate in some implementations of the design.

No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311002700 A

(19) INDIA

(22) Date of filing of Application :13/01/2023

(43) Publication Date : 20/01/2023

(54) Title of the invention : A STUDY TO ANALYSE THE IMPACT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN NUCLEAR PHYSICS

(51) International classification :G21B0003000000, G21B0001030000, B23K0035300000, G21H0001100000, C08G0059180000

(86) International Application No :NA
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(87) International Publication No : NA

(61) Patent of Addition to :NA
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Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr. PRADOSH KUMAR SHARMA
 Address of Applicant :ASSOCIATE PROFESSOR AND HEAD, DEPARTMENT OF PHYSICS, CHINMAYA DEGREE COLLEGE BHEL HARIDWAR 249403 -----
2)DR. NEHA SHARMA
3)DR. AJAY R. CHAWARE
4)KISHOR BABANRAO RAULKAR
5)Dr. P. NARESH KUMAR REDDY
6)DR ALLA SRIVANI
7)Dr.PRADEEP DEVENDRA GAIKWAD
8)DR VIJAY KUMAR SALVIA
9)DR T THIEVASANTHI
10)MOHD ASIF SHAH
11)Dr. PADMAJA PATNAIK
12)DIPAN KUMAR DAS
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)Dr. PRADOSH KUMAR SHARMA
 Address of Applicant :ASSOCIATE PROFESSOR AND HEAD, DEPARTMENT OF PHYSICS, CHINMAYA DEGREE COLLEGE BHEL HARIDWAR 249403 -----
2)DR. NEHA SHARMA
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT PHYSICS, ARNI UNIVERSITY, KATHGARH, INDORA, KANGRA (H.P.) -176401 -----
3)DR. AJAY R. CHAWARE
 Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF APPLIED PHYSICS, BAPURAO DESHMUKH COLLEGE OF ENGINEERING, SEVAGRAM, WARDHA, 442001 -----
4)KISHOR BABANRAO RAULKAR
 Address of Applicant :PROFESSOR, DEPT OF PHYSICS, VIDYABHARATI MAHAVIDYALAYA, CAMP AMRAVATI 444602 -----
5)Dr. P. NARESH KUMAR REDDY
 Address of Applicant :ASSISTANT PROFESSOR OF PHYSICS, DEPT. OF LIBERAL ARTS AND SCIENCE, MOHAN BABU UNIVERSITY, TIRUPATI, 517102. -----
6)DR ALLA SRIVANI
 Address of Applicant :ASSOCIATE PROFESSOR/PHYSICS/VVIT/GUNTUR/522006 -----
7)Dr.PRADEEP DEVENDRA GAIKWAD
 Address of Applicant :ASSOCIATE PROFESSOR DEPARTMENT OF PHYSICS,R.B. ART'S SCIENCE AND COMMERCE COLLEGE GEORAI 431127 -----
8)DR VIJAY KUMAR SALVIA
 Address of Applicant :PROFESSOR DIRECTOR ECE INTERNATIONAL RESEARCH AND DEVELOPMENT CREATIVITY ORGANIZATION USA INDIA INDORE 452018 -----
9)DR T THIEVASANTHI
 Address of Applicant :ASSISTANT PROFESSOR OF PHYSICS, KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION (DEEMED TO BE UNIVERSITY), KRISHNANKOIL- 626126, VIRUDHUNAGAR (DIST). -----
10)MOHD ASIF SHAH
 Address of Applicant :ADJUNCT FACULTY, SCHOOL OF BUSINESS, WOXXEN UNIVERSITY, KAMKOLE, SADASIVPET, HYDERABAD, TELANGANA, 502345, INDIA. -----
11)Dr. PADMAJA PATNAIK
 Address of Applicant :ASSOCIATE PROFESSOR, DEPT. OF PHYSICS, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA,752050 -----
12)DIPAN KUMAR DAS
 Address of Applicant :RESEARCH SCHOLAR, PHYSICS, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA -----

(57) Abstract :
 An electrode for use in an apparatus for causing nuclear fusion reactions at a low temperature being characterized in that said electrode is made of an alloy being capable of occluding hydrogen isotopes. The electrode for use in an apparatus for causing nuclear fusion reactions at a low temperature being characterized in that said electrode is formed as a sphere. An electrode for use in an apparatus for causing nuclear fusion reactions at a low temperature being characterized in that said electrode is made of an amorphous metal or alloy not having a crystal lattice rule of long period as a main component. receiving photons and thermal waves emitted from a radioactive material at a Nuclear Thermionic Avalanche Cell. Outputting avalanche electrons using in part the received photons.

No. of Pages : 16 No. of Claims : 1

(54) Title of the invention : A method for preparing nanogels for cancer drug delivery

(51) International classification :A61P003500000, A61K005104000, A61K0009060000, A61K004900000, A61K0033243000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Mr. A. Ramarao

Address of Applicant :Associate Professor, Department of Pharmacology, Chilkur Balaji College of Pharmacy, Aziznagar, Moinabad, Hyderabad, Telangana, India, Pincode:500072 ---

2)Dr. Venkatesh Yepuri**3)Dr. B. Ramachandra****4)Dr. L. Jyothi Rani****5)Dr. Mangali Madhu Sekhar****6)Ms. Nigar Kadar Mujawar****7)Mr. Gnyana Ranjan Parida****8)Ms. Jayshreema Biswal****9)Ms. Bhagyashree Yashwant Sankpal****10)Dr. Himansu Bhusan Samal****11)Dr. Ruby Singh**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Mr. A. Ramarao

Address of Applicant :Associate Professor, Department of Pharmacology, Chilkur Balaji College of Pharmacy, Aziznagar, Moinabad, Hyderabad, Telangana, India, Pincode:500072 ---

2)Dr. Venkatesh Yepuri

Address of Applicant :Associate Professor, Department of Electrical and Electronics Engineering, Swarnandhra College of Engineering and Technology, Seetharampuram, Narsapur, West Godavari District, Andhrapradesh, India, Pincode:534280 -----

3)Dr. B. Ramachandra

Address of Applicant :Assistant Professor of Chemistry, Department of Humanities and Basic Sciences, Annamacharya Institute of Technology and Sciences, Tirupati, Andhra Pradesh, India, Pincode: 517520 -----

4)Dr. L. Jyothi Rani

Address of Applicant :Professor, Department of Pharmaceuticals, Mallareddy Institute of Pharmaceutical Sciences, Maisammaguda, Dhulapally, Kompally (Post), Secunderabad, Telangana, India, Pincode: 500100 -----

5)Dr. Mangali Madhu Sekhar

Address of Applicant :Associate Professor, Department of Chemistry, Chadalawada Ramanamma Engineering College, Tirupati, Andhra Pradesh, India, Pin Code: 517506 -----

6)Ms. Nigar Kadar Mujawar

Address of Applicant :Assistant Professor, Department of Pharmaceutics, Womens College of Pharmacy, Peth-Vadgaon, Kolhapur, Maharashtra, India, Pincode: 416112 -----

7)Mr. Gnyana Ranjan Parida

Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatani, Bhubaneswar, Odisha, India, Pincode: 752054 -----

8)Ms. Jayshreema Biswal

Address of Applicant :Assistant Professor, Department of Pharmaceutical Analysis and Quality Assurance, Centurion University of Technology and Management, Gopalpur, Balasore, Odisha, India, Pincode: 756044 -----

9)Ms. Bhagyashree Yashwant Sankpal

Address of Applicant :HOD, Department of Pharmaceutics, Sarojini College of Pharmacy, Kolhapur, Maharashtra, India, Pincode: 416112 -----

10)Dr. Himansu Bhusan Samal

Address of Applicant :Associate Professor, Department of Pharmaceutics, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramchandrapur, Jatni, Bhubaneswar, Odisha, India, Pincode:752050 -----

11)Dr. Ruby Singh

Address of Applicant :Professor, Department of Chemistry, Jaipur National University, Jaipur, Rajasthan, India, Pincode 302017 -----

(57) Abstract :

A nano-sized hydrogel may be created from a chain that is water-soluble and contains carboxylic acid moieties as well as polyethylene side chains. It is possible to use such a nanogel as a delivery agent for cancer drugs, such as cisplatin, or as an imaging agent, such as Gd3+. Both of these applications are possible with this kind of nanogel. The production of hydrogel is caused by the complexation of the agent that treats cancer with the imaging agent that uses carboxyl groups.

No. of Pages : 20 No. of Claims : 4

(54) Title of the invention : A SYSTEM FOR EARLY-STAGE DISEASE DETECTION AND HIGH-RISK PATIENT IDENTIFICATION AND WORKING METHOD THEREOF

<p>(51) International classification :G16H0010600000, G16H0040670000, A61B0005000000, G16H0010650000, G06F0021310000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr.M.Sri Ramachandra Address of Applicant :Associate Professor, Head of Department, Department of Pharmacology, Bhaskar Pharmacy College, Moinabad, Hyderabad, Telangana, India. Pin Code:500075 -----</p> <p>2)Mr.Sidhartha Parida 3)Prof. (Dr.) Arnabadiya Mohanty 4)Mr.Pragati Ranjan Satpathy 5)Dr.Mihir Kumar Kar 6)Dr.Shaktiprasad Pradhan 7)Dr.Kanchana N.Dussa 8)Dr.Prithwiraj Mohapatra 9)Mr.Suhas Suresh Agey 10)Dr.Goje Arjun Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr.M.Sri Ramachandra Address of Applicant :Associate Professor, Head of Department, Department of Pharmacology, Bhaskar Pharmacy College, Moinabad, Hyderabad, Telangana, India. Pin Code:500075 -----</p> <p>2)Mr.Sidhartha Parida Address of Applicant :Assistant Professor, Department of Pharmaceutics, School of Pharmacy, Centurion University of Technology and Management, Gopalpur, Balasore, Odisha, India. Pin Code:756044 -----</p> <p>3)Prof. (Dr.) Arnabadiya Mohanty Address of Applicant :Principal and Professor, The Pharmaceutical College, Barpali, Samaleswari Vihar, Tingipali, Barpali, Bargarh District, Odisha, India. Pin Code:768029 -----</p> <p>4)Mr.Pragati Ranjan Satpathy Address of Applicant :Associate Professor, Department of Pharmaceutical Analysis, Sri Jayadev College of Pharmaceutical Sciences, Naharkanta, Bhubaneswar, Odisha, India. Pin Code:752101 -----</p> <p>5)Dr.Mihir Kumar Kar Address of Applicant :Professor, Department of Pharmacology, Sri Jayadev College of Pharmaceutical Sciences, Naharkanta, Bhubaneswar, Odisha, India. Pin Code:752101 -----</p> <p>6)Dr.Shaktiprasad Pradhan Address of Applicant :Associate Professor, Department of Pharmacology, School of Pharmacy, Sai Nath University, Ranchi, Jharkhand, India. Pin Code:835219 -----</p> <p>7)Dr.Kanchana N.Dussa Address of Applicant :Professor and Head, Department of Pharmacy Practice, Anwarul Uloom College of Pharmacy, Osmania University, Hyderabad, Telangana, India. Pin Code:500001 ----</p> <p>8)Dr.Prithwiraj Mohapatra Address of Applicant :Professor, Department of Pharmacognosy, Jeypore Collage of Pharmacy, Biju Patnaik University of Technology, Jeypore, Koraput, Odisha, India. Pin Code:764002 -----</p> <p>9)Mr.Suhas Suresh Agey Address of Applicant :Assistant Professor, Department of Pharmacology, SVKM'S NMIMS Deemed to Be University, School of Pharmacy and Technology Management, Shirpur, Maharashtra, India. Pin Code:425405 -----</p> <p>10)Dr.Goje Arjun Address of Applicant :Associate Professor and HOD, Teegala Ram Reddy College of Pharmacy, Meerpet, Saroornagar, Rangareddy District, Hyderabad, Telangana, India. Pin Code:500097 -----</p>
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(57) Abstract :

The present invention discloses a system for early-stage disease detection and high-risk patient identification and working method thereof. In the present invention, a Unique Patient Identification module reliably and securely captures, stores, and disseminates a patient's essential medical and bioinformatics data to the appropriate parties; and a secure login portal that necessitates the input of personal information before granting access to a medical file of a patient; this portal must also include an emergency access code that grants only read-only access to the medical data of the patient in the event of an emergency. Further, a sensing and/or tracking mechanism allows for patient monitoring, location tracking, and rescue via alert triggers and database(s) having multiple patient files, each of which is associated with a patient and contains patient information, the patient information defining a medical history of the patient, the patient information contained in multiple fields within each patient file. Accompanied Drawing [FIGS. 1-2]

No. of Pages : 16 No. of Claims : 8

(54) Title of the invention : A SYSTEM PROVIDED FOR NANOROBOTIC ARM TO OPERATE IN THE ENDOSCOPY AND WORKING METHOD THEREOF

<p>(51) International classification :A61B0001000000, A61B0001040000, B25J0018000000, A61B0001060000, A61B0017000000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr.Ashish Kumar Sarangi Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----</p> <p>2)Dr.Prasanta Kumar Biswal 3)Dr.Rudra Narayan Sahoo 4)Dr.Bhabani Sankar Satapathy 5)Dr.Bipin Bihari Panda 6)Mr.Sobhabikash Swain 7)Mrs.Sucheta Moharana 8)Ms.Preeti Pandey 9)Mr.Ankit Singh 10)Ms.Namrata Singh Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr.Ashish Kumar Sarangi Address of Applicant :Assistant Professor, Department of Chemistry, School of Applied Science, Centurion University of Technology and Management, Balangir, Odisha, India. Pin Code:767001 -----</p> <p>2)Dr.Prasanta Kumar Biswal Address of Applicant :Professor and H.O.D.in Pharmaceutics, Gayatri College of Pharmacy, Sambalpur, Odisha, India. Pin Code:768200 -----</p> <p>3)Dr.Rudra Narayan Sahoo Address of Applicant :Assistant Professor, Department of Pharmaceutics, School of Pharmaceutical Sciences, Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, Odisha, India. Pin Code:751003 -----</p> <p>4)Dr.Bhabani Sankar Satapathy Address of Applicant :Assistant Professor, Department of Pharmaceutics, School of Pharmaceutical Sciences, Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, Odisha, India. Pin Code:751003 -----</p> <p>5)Dr.Bipin Bihari Panda Address of Applicant :Professor and H.O.D.in Pharmacology, Gayatri College of Pharmacy, Sambalpur, Odisha, India. Pin Code:768200 -----</p> <p>6)Mr.Sobhabikash Swain Address of Applicant :Vice-Principal, Associate Professor in Pharmachemistry, Dadhichi College of Pharmacy, Cuttack, Odisha, India. Pin Code:754002 -----</p> <p>7)Mrs.Sucheta Moharana Address of Applicant :Associate Professor, Gayatri College of Pharmacy, Sambalpur, Odisha, India. Pin Code:768200 -----</p> <p>8)Ms.Preeti Pandey Address of Applicant :Assistant Professor, Department of Forensic Science, Lovely Professional University, Phagwara, Punjab, India. Pin Code:144411 -----</p> <p>9)Mr.Ankit Singh Address of Applicant :Assistant Professor, Department of Forensic Science, Galgotias University, Grater Noida, Uttar Pradesh, India. Pin Code:203201 -----</p> <p>10)Ms.Namrata Singh Address of Applicant :Assistant Professor, Department of Paramedical Sciences, IJAHSR, Integral University, Lucknow, Uttar Pradesh, India. Pin Code:226026 -----</p>
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(57) Abstract :

The present invention discloses a system provided for nanorobotic arm to operate in the endoscopy and working method thereof. In the present invention, Some examples of nanorobotic arms equipped with an endoscopic arm and its movable parts include nano propellers with flagella membranes, crawlers, and nano Brownian motors; in yet another configuration, the nanorobots can draw power from fluid within the endoscopic control system formation itself; and two inboard links pivotally coupled to the two-outboard links in such a way that the inboard links cross over one another. Further, an endoscopic camera, two outward-pointing links pivotally coupled together at an outward-pointing axis, at least one of the outward-pointing links supporting the endoscopic camera, and a constraint to limit rotation of the outward-pointing links about the outboard axis, so that the two outward-pointing links are constrained to have a minimum angle between them of 15 degrees. Accompanied Drawing [FIGS. 1-2]

No. of Pages : 16 No. of Claims : 8

(54) Title of the invention : A Phytoconstituent loaded nanogel formulation for the treatment of cancer

(51) International classification :A61P003500000, A61K0009060000, A61K0033243000, A61K0008040000, A61K0049000000

(86) International Application No Filing Date :PCT// :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number Filing Date :NA :NA

(62) Divisional to Application Number Filing Date :NA :NA

(71)Name of Applicant :

1)Dr. D. Nagarjuna Reddy

Address of Applicant :Associate Professor, Department of Chemistry, School of Engineering and Applied Technology, BEST Innovation University, Puttaparthi, Andhra Pradesh, India, Pincode:515231 -----

2)Dr. Helen P Kavitha**3)Dr. S. Arulmurugan****4)Dr. Jasmine P Vennila****5)Dr. Qazi Majaz Ahamad Aejaazuddin****6)Dr. Sinha Ashutosh Kumar****7)Dr. Sandeep Rout****8)Mr. Binayak Mishra****9)Mr. Yagnambhatla Rajendra****10)Ms. Shalini Chaudhury**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. D. Nagarjuna Reddy

Address of Applicant :Associate Professor, Department of Chemistry, School of Engineering and Applied Technology, BEST Innovation University, Puttaparthi, Andhra Pradesh, India, Pincode:515231 -----

2)Dr. Helen P Kavitha

Address of Applicant :Professor and Head, Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai, Tamil Nadu, India, Pincode: 600089 -----

3)Dr. S. Arulmurugan

Address of Applicant :Assistant Professor, Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai, Tamil Nadu, India, Pincode: 600089 -----

4)Dr. Jasmine P Vennila

Address of Applicant :Professor, Department of Physics, Panimalar Engineering College, Nasarathpettai, Poonamallee, Chennai, Tamil Nadu, India, Pincode: 600123 -----

5)Dr. Qazi Majaz Ahamad Aejaazuddin

Address of Applicant :Professor & Head, Department of Pharmacognosy, Ali Allana College of Pharmacy, Akkalkuwa, Nandurbar, Maharashtra, India, Pin Code: 425415 -----

6)Dr. Sinha Ashutosh Kumar

Address of Applicant :Professor & Principal I/c, Department of Pharmaceutical Sciences, Bharat Pharmaceutical Technology, Amtali, Agartala-Bishalgarh Road, West Tripura, Tripura, India, Pincode: 799130 -----

7)Dr. Sandeep Rout

Address of Applicant :Assistant Professor, Faculty of Agriculture, Sri Sri University, Cuttack, Odisha, Pincode: 754006 -----

8)Mr. Binayak Mishra

Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University, Balasore, Odisha, India, Pincode: 756044 -----

9)Mr. Yagnambhatla Rajendra

Address of Applicant :Research Scholar, Department of Pharmaceutical Chemistry, GITAM School of Pharmacy, GITAM Deemed to be University, Visakhapatnam, Andhra Pradesh, India, Pincode: 530045 -----

10)Ms. Shalini Chaudhury

Address of Applicant :Assistant Professor, Department of Pharmaceutics, Dadhichi College of Pharmacy, Cuttack, Odisha, India, Pincode: 754002 -----

(57) Abstract :

To create a Nano-sized hydrogel, a water-soluble chain is formed from carboxylic acid moieties and polyethylene side chains. Such a nanogel is appropriate as a cancer-drug delivery agent or an imaging agent, where either a cancer medicine, such as cisplatin, or an imaging agent. Forming hydrogels is a result of the complexation of the cancer medication or imaging agent with the carboxyl moieties.

No. of Pages : 20 No. of Claims : 4

(54) Title of the invention : IMPLEMENTATION OF TECHNIQUES TO UNDERSTAND THE IMPACT OF NANO DELIVERY SYSTEMS IN THE TREATMENT OF CARDIOVASCULAR DISEASES

(51) International classification :A61P0009000000, A61B0005145000, A61P0035000000,
A61P0009100000, A61B0006000000
(86) International Application No :PCT//
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(71)Name of Applicant :
1)Dr. DEEPAK SHARMA
Address of Applicant :ASSOCIATE PROFESSOR, DOPT, SCHOOL OF MEDICAL SCIENCES, ADAMAS UNIVERSITY, BARASAT-BARAKPORE ROAD, NORTH 24 PARGANAS, KOLKATA KOLKATA -----
2)Dr JAIDEV KUMAR
3)Dr. SUDHIR KUMAR SRIVASTAVA
4)Dr.MADHAVI TIWARI
5)Dr. V. LOKESWARA BABU
6)MR. ABHISEK SAHU
7)MR. SHANKAR CHERUKU
8)Dr. BHAGYASHREE DESHPANDE
9)MR. IMRAN KHAN
10)MOHD ASIF SHAH
11)Dr. OMPAL SINGH
12)SATYABRATA JENA
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. DEEPAK SHARMA
Address of Applicant :ASSOCIATE PROFESSOR, DOPT, SCHOOL OF MEDICAL SCIENCES, ADAMAS UNIVERSITY, BARASAT-BARAKPORE ROAD, NORTH 24 PARGANAS, KOLKATA KOLKATA -----
2)Dr JAIDEV KUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, HARIOM SARASWATI P. G. COLLEGE DHANAURI, ROORKEE, UTTARAKHAND, PIN- 247667 ROORKEE ----
3)Dr. SUDHIR KUMAR SRIVASTAVA
Address of Applicant :HEAD AND ASSISTANT PROFESSORE IN ZOOLOGY ,DEPTT OF ZOOLOGY,C.H.C ARTS, S.G.P COMMERCE & B.B.J.P SCIENCE COLLEGE, TALODA DIST: NANDURBAR MAHARASHTRA PIN - 425413 TALODA -----
4)Dr.MADHAVI TIWARI
Address of Applicant :ASSISTANT PROFESSOR,SCHOOL OF SCIENCES,MATS UNIVERSITY,RAIPUR,492001 RAIPUR -----
5)Dr. V. LOKESWARA BABU
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, BHASKAR PHARMACY COLLEGE, YENKAPALLY, MOINABAD,HYDERABAD, TELANGANA-500075 HYDERABAD -----
6)MR. ABHISEK SAHU
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACY, SCHOOL OF PHARMACY AND LIFESCIENCES, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, JATANI, ODISHA-752050 BHUBANESWAR -----
7)MR. SHANKAR CHERUKU
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICAL ANALYSIS, TEEGALA RAM REDDY COLLEGE OF PHARMACY,MEERPET, SAROORNAGAR,RANGA REDDY DISTRICT, HYDERABAD-500097 HYDERABAD -----
8)Dr. BHAGYASHREE DESHPANDE
Address of Applicant :ASSISTANT PROFESSOR,SCHOOL OF SCIENCES,MATS UNIVERSITY,RAIPUR492001 RAIPUR -----
9)MR. IMRAN KHAN
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF MEDICAL SURGICAL NURSING - (CARDIO-THORACIC), NARAYAN NURSING COLLEGE, GOPAL NARAYAN SINGH UNIVERSITY, JAMUHAR, ROHTAS, BIHAR - 821305 JAMUHAR -----
10)MOHD ASIF SHAH
Address of Applicant :ADJUNCT FACULTY, SCHOOL OF BUSINESS, WOXSEN UNIVERSITY, KAMKOLE, SADASIVPET, HYDERABAD, TELANGANA, 502345, INDIA. HYDERABAD -----
11)Dr. OMPAL SINGH
Address of Applicant :ASSISTANT PROFESSOR/SRMIST, MODINAGAR, 201204 MODINAGAR -----
12)SATYABRATA JENA
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, BHASKAR PHARMACY COLLEGE, YENKAPALLY, MOINABAD, HYDERABAD-500075 HYDERABAD -----

(57) Abstract :
Implementation of techniques to understand the Impact of Nano Delivery Systems in the Treatment of Cardiovascular Diseases is the proposed invention. The proposed invention focuses on analyzing the various nano drug delivery systems. The invention aims at implementing techniques to treat cardio vascular diseases efficiently.

No. of Pages : 13 No. of Claims : 5

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Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 106 123

Bezeichnung:

Eine neuartige polytherapeutische Formulierung mit Anti-Asthmatik-Potenzial

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Inhaber/Inhaberin:

Barik, Rakesh, Hyderabad, IN
Dash, Priyanka, Bhubaneswar, IN
Jena, Satyabrata, Jajpur, Odisha, IN
Mishra, Madhu Chhanda, Puri, IN
Panda, Niranjana, Hyderabad, Telangana, IN
Pati, Nikunja Basini, Bhubaneswar, IN
Prajapati, Manoj Kumar, Varanasi, IN
Sahoo, Hrudesh Priyadarsan, Angul, IN
Satpathy, Pragati Ranjan, Bhubaneswar, IN
Velivela, Swapna, Hyderabad, Telangana, IN

Tag der Anmeldung:

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Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 24.11.2022



Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

(54) Title of the invention : TARGETING TUMOUR MICROENVIRONMENT WITH NANOPARTICLE-BASED DRUG DELIVERY SYSTEMS FOR CANCER IMMUNOTHERAPY RESISTANCE

<p>(51) International classification :A61P0035000000, A61K0039000000, G06N0003080000, A61B0005145000, A61K0047610000</p> <p>(86) International Application No Filing Date :PCT// :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant : 1)Mr. SUBHA RANJAN DAS Address of Applicant :RESEARCH SCHOLAR, 1. DEPARTMENT OF MOLECULAR BIOLOGY, NATURAL SCIENCES, ARIEL UNIVERSITY, ARIEL 4070000, ISRAEL; 2. INSTITUTE FOR PERSONALIZED AND TRANSLATIONAL MEDICINE, ARIEL UNIVERSITY, ARIEL 4070000, ISRAEL -----</p> <p>2)Dr.G.VENKATA SUBBAIAH 3)Mrs. MEENAKSHI JAISWAL 4)KESHAV KUMAR K 5)Dr IRUMJAHAN NAZIR KHAN 6)SNEHA DILIP TIPUGADE 7)Dr K NITHYA 8)ANANT SANJAYRAO DESHPANDE 9)PUSHPENDRA KUMAR KURRE 10)MOHD ASIF SHAH 11)Mrs. ANIMA JENA 12)SATYABRATA JENA Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Mr. SUBHA RANJAN DAS Address of Applicant :RESEARCH SCHOLAR, 1. DEPARTMENT OF MOLECULAR BIOLOGY, NATURAL SCIENCES, ARIEL UNIVERSITY, ARIEL 4070000, ISRAEL; 2. INSTITUTE FOR PERSONALIZED AND TRANSLATIONAL MEDICINE, ARIEL UNIVERSITY, ARIEL 4070000, ISRAEL -----</p> <p>2)Dr.G.VENKATA SUBBAIAH Address of Applicant :ACADEMIC CONSULTANT ZOOLOGY DEPARTMENT SRI VENKATESWARA UNIVERSITY TIRUPATI -----</p> <p>3)Mrs. MEENAKSHI JAISWAL Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACY, GURU GHASIDAS CENTRAL UNIVERSITY, KONI, BILASPUR - 495009, CHHATTISGARH, INDIA BILASPUR -----</p> <p>4)KESHAV KUMAR K Address of Applicant :ASSISTANT PROFESSOR OF MATHEMATICS , DEPARTMENT OF HUMANITIES AND MATHEMATICS, G.NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE (FOR WOMEN), HYDERABAD, 500 104 HYDERABAD -----</p> <p>5)Dr IRUMJAHAN NAZIR KHAN Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ZOOLOGY, SADGURU GADAGE MAHARAJ COLLEGE KARAD, VIDYANAGAR, KARAD, 415124. KARAD -----</p> <p>6)SNEHA DILIP TIPUGADE Address of Applicant :LECTURER, S D PATIL COLLEGE OF PHARMACY, URUN, ISLAMPUR 415409 ISLAMPUR -----</p> <p>7)Dr K NITHYA Address of Applicant :PROFESSOR SHRI INDRA GANESAN INSTITUTE OF MEDICAL SCIENCE, COLLEGE OF PHARMACY, MANIKANDAM, TRICHY. TRICHY -----</p> <p>8)ANANT SANJAYRAO DESHPANDE Address of Applicant :CHINTAMANI COLLEGE OF SCIENCE, POMBHURNA, DIST. CHANDRAPUR, M.S. 442918 POMBHURNA -----</p> <p>9)PUSHPENDRA KUMAR KURRE Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF PHARMACY SHRI RAWATPURA SARKAR UNIVERSITY RAIPUR CHHATTISGARH PIN-492015 RAIPUR -----</p> <p>10)MOHD ASIF SHAH Address of Applicant :ADJUNCT FACULTY, SCHOOL OF BUSINESS, WOXSEN UNIVERSITY, KAMKOLE, SADASIVPET, HYDERABAD, TELANGANA, 502345, INDIA. HYDERABAD -----</p> <p>11)Mrs. ANIMA JENA Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF PHARMACOGENOSY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT,GOPALPUR BALASORE ODISHA, 756044 BALASORE -----</p> <p>12)SATYABRATA JENA Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, BHASKAR PHARMACY COLLEGE, YENKAPALLY, MOINABAD, HYDERABAD-500075 HYDERABAD -----</p>
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(57) Abstract : Targeting Tumour Microenvironment with Nanoparticle-Based Drug Delivery Systems for Cancer Immunotherapy Resistance is the proposed invention. The proposed invention focuses on studying the tumour microenvironment. The nanoparticle-based drug delivery system for cancer immunotherapy resistance is analysed using the algorithms of deep learning.

No. of Pages : 14 No. of Claims : 5

(54) Title of the invention : TOPICAL COMPOSITIONS CONTAINING SALVIA PLEBEIAN, ALTERNANTHERA PHILOXEROIDES WITH AJUGA FORRESTII EXTRACT FOR TREATING OR PREVENTING DRY SKIN OR INFLAMMATORY CONDITIONS OF THE SKIN

<p>(51) International classification :A61K0036889000, A61K0036530000, A61Q0019000000, A61Q0019080000, A61P0017000000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Krishnaraju Venkatesan Address of Applicant :Associate Professor, Department of Pharmacology and Toxicology, College of Pharmacy, King Khalid University, Abha, KSA -----</p> <p>2)Mr. Bahadur Singh 3)Mr. Satendra Kumar 4)Dr. Nilesh Kumar 5)Mr. Rizwan ul Hasan 6)Mr. Mahesh Pandurang Bhosale 7)Ms. Azra Aisha 8)Dr. Nahlah Elkudssiah Ismail 9)Mrs. Annanya Gangopadhyay 10)Mr. Nageswar Panda 11)Dr Hemant Deokule 12)Ms. Shraddha Sainath Chitale</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Krishnaraju Venkatesan Address of Applicant :Associate Professor, Department of Pharmacology and Toxicology, College of Pharmacy, King Khalid University, Abha, KSA -----</p> <p>2)Mr. Bahadur Singh Address of Applicant :Research Scholar/Assistant Professor College Name: Department of Pharmacy, School of Medical & Allied Sciences, Galgotias University, Plot No. 2, Sector-17A, Yamuna Expressway, Greater Noida, Gautam Buddh Nagar, Uttar Pradesh, India -----</p> <p>3)Mr. Satendra Kumar Address of Applicant :Research Scholar/Assistant Professor Department of Pharmacy, School of Medical & Allied Sciences Galgotias University, Plot No. 2, Sector-17A, Yamuna Expressway, Greater Noida, Gautam Buddh Nagar, Uttar Pradesh, India. Pin Code: 201310 -----</p> <p>4)Dr. Nilesh Kumar Address of Applicant :Principal Praduman Singh College Of Pharmacy Phutahiya Sansarpur Basti Uttar Pradesh Pin code: 272001 -----</p> <p>5)Mr. Rizwan ul Hasan Address of Applicant :Associate Professor Era college of pharmacy Era University sarfarazganj Lucknow pin code:226003 -----</p> <p>6)Mr. Mahesh Pandurang Bhosale Address of Applicant :Assistant Professor, Dharmaraj Shaikshank Pratishthan's College of Pharmacy, Walki, AhmednagarState- Maharashtra, India -----</p> <p>7)Ms. Azra Aisha Address of Applicant :Associate Professor Era college of pharmacy era university sarfarazganj Lucknow Pin code: 226003 -----</p> <p>8)Dr. Nahlah Elkudssiah Ismail Address of Applicant :Council Member, Malaysian Academy of Pharmacy, Wisma MPS, 16-2, Jalan OP 1/5, 1-Puchong Business Park, Off Jalan Puchong, 47160 Puchong, Selangor, Malaysia -----</p> <p>9)Mrs. Annanya Gangopadhyay Address of Applicant :Assistant Professor, School of Pharmacy Centurion University of Technology and Management, 756044, Odisha, India -----</p> <p>10)Mr. Nageswar Panda Address of Applicant :Assistant Professor, School of Pharmacy Centurion University of Technology and Management, 756044 Odisha, India -----</p> <p>11)Dr Hemant Deokule Address of Applicant :Professor Delight College of Pharmacy Sharad Campus, Pimple-Jagtap Road, Koregaon Bhima, Tal-Shirur, Dist-Pune- 412216, Maharashtra, India -----</p> <p>12)Ms. Shraddha Sainath Chitale Address of Applicant :Academic Incharge N.D.Kasar college of Pharmacy Walki, Ahmednagar, Maharashtra, India -----</p>
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(57) Abstract :
TOPICAL COMPOSITIONS CONTAINING SALVIA PLEBEIAN, ALTERNANTHERA PHILOXEROIDES WITH AJUGA FORRESTII EXTRACT FOR TREATING OR PREVENTING DRY SKIN OR INFLAMMATORY CONDITIONS OF THE SKIN A method of a method of topical compositions containing salvia plebeian, alternanthera philoxeroides with ajuga forrestii extract for treating or preventing dry skin or inflammatory conditions of the skin. applying to the skin of the person a composition comprising an effective amount of an aqueous, alcoholic, or aqueous-alcoholic extract from Livistona chinensis. A copolymer of a monomeric mixture consisting of acrylic acid and about 10% by weight on the total monomers of a polyether of sucrose in which the hydroxyl groups which are modified are etherified with allyl groups, said polyether containing at least two allyl groups per sucrose molecule. A tripolymer of a monomeric mixture consisting of 41.5 to 43% by weight of acrylic acid, from 0.2 to 2.5 by weight of a polyether of sucrose in which the hydroxyl groups which are modified are etherified with allyl groups.

No. of Pages : 16 No. of Claims : 1

(54) Title of the invention : IMPLEMENTATION OF EFFECTIVE DRUG DELIVERY SYSTEM FOR CANCER IMMUNOTHERAPY USING POROUS NANOMATERIALS

(51) International classification :A61P0035000000, A61K0039000000, A61M0005000000, A61K0035130000, A61K0009127000

(86) International Application No :PCT//
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(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

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Filing Date :NA

(71)Name of Applicant :
1)SATYABRATA JENA
 Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, BHASKAR PHARMACY COLLEGE, HYDERABAD TELANGANA-500075 HYDERABAD -----

2)Dr. SUDARSHAN NARAYAN NAGRALE
3)ASHA SAMBHAJI JADHAV
4)MOHAMMAD KASHIF NOORANI
5)AJAY SINGH
6)Dr. P. VAMSI KRISHNA
7)Dr.MANOJ KUMAR KATUAL
8)PUSHPENDRA KUMAR KURRE
9)Mr. LADI ALIK KUMAR
10)MOHD ASIF SHAH
11)PRAVAT KUMAR SWAIN
12)Dr VJAY KUMAR SALVIA
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)SATYABRATA JENA
 Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, BHASKAR PHARMACY COLLEGE, HYDERABAD TELANGANA-500075 HYDERABAD -----
2)Dr. SUDARSHAN NARAYAN NAGRALE
 Address of Applicant :DATTAKALA COLLEGE OF PHARMACY, SWAMI-CHINCHOLI SWAMI-CHINCHOLI -----
3)ASHA SAMBHAJI JADHAV
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, BHARATI VIDYAPEETH COLLEGE OF PHARMACY, KOLHAPUR, PIN 416013 KOLHAPUR -----
4)MOHAMMAD KASHIF NOORANI
 Address of Applicant :PROSTHODONTIST, H. NO.B/155,ROAD NO.A-11, ALINAGAR COLONY, ANISABAD PATNA -----
5)AJAY SINGH
 Address of Applicant :PROSTHODONTIST ,S/O- RM NO 1,MR SUNIL SINGH, BATLIWALA BLDG,SK BOLE ROAD DADAR WEST MUMBAI MAHARASHTRA 400028. WEST MUMBAI -----
6)Dr. P. VAMSI KRISHNA
 Address of Applicant :ASSISTANT PROFESSOR, SCHOOL OF MANAGEMENT, MALLA REDDY UNIVERSITY, HYDERABAD, 500043 HYDERABAD -----
7)Dr.MANOJ KUMAR KATUAL
 Address of Applicant :HEAD OF INSTITUTION AND ASSOCIATE PROFESSOR, RAYAT BAHRA INSTITUTE OF PHARMACY, EDUCATION CITY, HOSHIARPUR, PUNJAB 146001 HOSHIARPUR ----

8)PUSHPENDRA KUMAR KURRE
 Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF PHARMACY SHRI RAWATPURA SARKAR UNIVERSITY RAIPUR CHHATTISGARH PIN-492015 RAIPUR -----
9)Mr. LADI ALIK KUMAR
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, RAYAGADA, ODISHA, INDIA-765001 RAYAGADA -----
10)MOHD ASIF SHAH
 Address of Applicant :ADJUNCT FACULTY, SCHOOL OF BUSINESS, WOXSSEN UNIVERSITY, KAMKOLE, SADASIVPET, HYDERABAD, TELANGANA, 502345, INDIA. HYDERABAD -----

11)PRAVAT KUMAR SWAIN
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF BASIC SCIENCES AND HUMANITIES, SATYASAI ENGINEERING COLLEGE (BPUT ROURKELA), BALASORE-756002, ODISHA, INDIA AND DEPARTMENT OF CHEMISTRY, BERHAMPUR DEGREE COLLEGE (FAKIR MOHAN UNIVERSITY BALASORE), BERHAMPUR, P.O:RAJ BERHAMPUR, BALASORE-756058, ODISHA, INDIA.: BALASORE -----
12)Dr VJAY KUMAR SALVIA
 Address of Applicant :PROFESSOR DIRECTOR ECE RESEARCH INNOVATION START UP UNIVERSITY INDORE 452018 INDORE -----

(57) Abstract :
 Implementation of effective Drug Delivery system for Cancer Immunotherapy using Porous Nanomaterials is the proposed invention. The invention focuses on analyzing the various drug delivery systems in treating cancer patients. The proposed invention aims at analyzing the impact of porous nanomaterials on cancer immunotherapy.

No. of Pages : 13 No. of Claims : 6

(54) Title of the invention : MACHINE LEARNING BASED APPROACH FOR BUILDING CORPORATE REPUTATION THROUGH SOCIAL MEDIA MARKETING EFFORTS

(51) International classification :G06Q050000000, G06N002000000, G06Q0030020000, G06Q0010040000, G06N0003080000
(86) International Application No :PCT//
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(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr.LAKSHMINARAYANA K
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MANAGEMENT STUDIES, VISVESVARAYA TECHNOLOGICAL UNIVERSITY- CENTRE FOR PG STUDIES-MUDDENAHALLI, CHICKABALLAPUR TQ. & DIST-562101 CHICKABALLAPUR -----
2)HARISH BEHIN
3)Dr PRASHANTH V
4)Dr.RAMU KUCHIPUDI
5)Dr. RAJASHEKAR. D
6)Dr ROHIT YADAV
7)SWETA PRIYA
8)MANISH KUMAR
9)NIKHIL S PATANKAR
10)Dr.THOMASLEONID T
11)MOHAMED MALLICK
12)Dr VJAY KUMAR SALVIA
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr.LAKSHMINARAYANA K
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MANAGEMENT STUDIES, VISVESVARAYA TECHNOLOGICAL UNIVERSITY- CENTRE FOR PG STUDIES-MUDDENAHALLI, CHICKABALLAPUR TQ. & DIST-562101 CHICKABALLAPUR -----
2)HARISH BEHIN
Address of Applicant :PH. D RESEARCH SCHOLAR, RESEARCH CENTRE OF MANAGEMENT STUDIES, NESAMONY MEMORIAL CHRISTIAN COLLEGE, MARTHANDAM, KANNIYAKUMARI DISTRICT, TAMIL NADU MARTHANDAM -----
3)Dr PRASHANTH V
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION, ST PAULS COLLEGE, BANGALORE - 73 BANGALORE -----
4)Dr.RAMU KUCHIPUDI
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF INFORMATION TECHNOLOGY, CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, HYDERABAD, TELANGANA, INDIA. HYDERABAD -----
5)Dr. RAJASHEKAR. D
Address of Applicant :ASSISTANT PROFESSOR, DEPT. OF MEDIA STUDIES ASSISTANT PROFESSOR CHRIST DEEMED TO BE UNIVERSITY. BANGALORE. -73 BANGALORE -----
6)Dr ROHIT YADAV
Address of Applicant :ASSISTANT PROFESSOR, FACULTY OF COMMERCE AND MANAGEMENT, SGT UNIVERSITY, CHANDU BUDHERA, GURUGRAM 122505 GURUGRAM -----
7)SWETA PRIYA
Address of Applicant :ASSOCIATE PROFESSOR, AMITY SCHOOL OF COMMUNICATION, AMITY UNIVERSITY PATNA PATNA -----
8)MANISH KUMAR
Address of Applicant :ASSISTANT PROFESSOR, SCHOOL OF MANAGEMENT, INSTITUTE OF MANAGEMENT STUDIES GHAZIABAD UNIVERSITY COURSES CAMPUS GHAZIABAD -----
9)NIKHIL S PATANKAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF INFORMATION TECHNOLOGY, SANJIVANI COLLEGE OF ENGINEERIN, KOPARGAON-423603 KOPARGAON -----
10)Dr.THOMASLEONID T
Address of Applicant :ASSISTANT PROFESSOR(SG)/ELECTRONICS ANDCOMMUNICATION ENGINEERING, KCGCOLLEGE OF TECHNOLOGY, CHENNAI-600097 CHENNAI -----
11)MOHAMED MALLICK
Address of Applicant :ASSISTANT PROFESSOR, RATHINAM COLLEGE OF ARTS AND SCIENCE COIMBATORE -----
12)Dr VJAY KUMAR SALVIA
Address of Applicant :DIRECTOR/PROFESSOR, RESEARCH INNOVATION STARTUP UNIVERSITY REGD, INDIA PIN:452018 INDORE M.P INDIA INDORE -----

(57) Abstract :
Machine Learning based approach for Building Corporate Reputation through Social Media Marketing Efforts is the proposed invention. The invention focuses on understanding the importance of social media marketing for improving and building reputation of corporate companies. The invention will utilize the algorithms of prediction for the purpose of prediction and analysis.

No. of Pages : 12 No. of Claims : 5

(51) International classification :G06N0003080000, G06N0003040000, G16H0050200000, G06T0011000000, A61B0006000000

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 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)Dr. MAHESH KUMAR GUPTA
 Address of Applicant :Dean, Department of Pharmacy, Career Point University, National Highway 52, Opp Alaniya Mata Ji Mandir, Alaniya, Kota, Rajasthan, India- 324005. -----

2)Mr. ASHISH KUMAR
3)Mr. BULU MOHANTA
4)Ms. SEEMA SAMANTA SINGHAR
5)Ms. LAXMIPRIYA MOHAPATRA
6)Mrs.KANAKALATA NAYAK
7)Ms. SWARNALATA MOHAPATRA
8)Mr. DEBAPRASAD ROURAY
9)Mr. PRITISH KANUNGO
10)Ms. RAJALAXMI SETHI

Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)Dr. MAHESH KUMAR GUPTA
 Address of Applicant :Dean, Department of Pharmacy, Career Point University, National Highway 52, Opp Alaniya Mata Ji Mandir, Alaniya, Kota, Rajasthan, India- 324005. -----

2)Mr. ASHISH KUMAR
 Address of Applicant :Research Scholar, Department of Pharmacy, Career Point University, National Highway 52, Opp Alaniya Mata Ji Mandir, Alaniya, Kota, Rajasthan, India- 324005. -

3)Mr. BULU MOHANTA
 Address of Applicant :Assistant Professor, Department of Pharmacology, Seemanta Institute of Pharmaceutical Sciences, Jharpokharia, Baripada, Odisha, India- 757086. -----

4)Ms. SEEMA SAMANTA SINGHAR
 Address of Applicant :Student, Department of Pharmaceutical Analysis and Quality Assurance, School Of Pharmaceutical Sciences, SOA University, Bhubaneswar, Odisha, India – 751003. --

5)Ms. LAXMIPRIYA MOHAPATRA
 Address of Applicant :Student, Department of Psychology, Banki Autonomous College, Utkal University, Vanivihar, Bhubaneswar, Odisha, India – 751004. -----

6)Mrs.KANAKALATA NAYAK
 Address of Applicant :Astrologer, Department of Economics, Sri Jayadev College of Education and Technology, Naharkanta, Odisha, India – 752101. -----

7)Ms. SWARNALATA MOHAPATRA
 Address of Applicant :Assistant professor, Department of Pharmacology, Hi-tech college of Pharmacy, Pandra, Bhubaneswar, Odisha, India-751007. -----

8)Mr. DEBAPRASAD ROURAY
 Address of Applicant :Student, Department of Pharmaceutics, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Bhubaneswar, Odisha, India- 752050. -----

9)Mr. PRITISH KANUNGO
 Address of Applicant :Student, Department of Pharmaceutics, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Bhubaneswar, Odisha, India- 752050. -----

10)Ms. RAJALAXMI SETHI
 Address of Applicant :Student, Department of Pharmaceutics, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Bhubaneswar, Odisha, India- 752050. -----

(57) Abstract :
 Rapid and accurate detection of COVID-19 coronavirus is necessity of time to prevent and control of this pandemic by timely quarantine and medical treatment in absence of any vaccine. Daily increase in cases of COVID-19 patients worldwide and limited number of available detection kits pose difficulty in identifying the presence of disease. Therefore, at this point of time, necessity arises to look for other alternatives. Among already existing, widely available and low-cost resources, X-ray is frequently used imaging modality and on the other hand, deep learning techniques have achieved state-of-the-art performances in computer-aided medical diagnosis. Therefore, an alternative diagnostic tool to detect COVID-19 cases utilizing available resources and advanced deep learning techniques is proposed in this work. The proposed method is implemented in four phases, viz., data augmentation, preprocessing, stage-I and stage-II deep network model designing. This study is performed with online available resources of 1215 images and further strengthen by utilizing data augmentation techniques to provide better generalization of the model and to prevent the model overfitting by increasing the overall length of dataset to 1832 images. Deep network implementation in two stages is designed to differentiate COVID-19 induced pneumonia from healthy cases, bacterial and other virus induced pneumonia on X-ray images of chest. Comprehensive evaluations have been performed to demonstrate the effectiveness.

No. of Pages : 13 No. of Claims : 7



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Government of India

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Application Details

APPLICATION NUMBER	202341007733
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/02/2023
APPLICANT NAME	1 . Dr.N.Kamala 2 . Dr.M.Rajeswari 3 . Dr. Zeba Rushi 4 . Dr. Pramod Kumar Patjoshi 5 . Dr P.Suganya 6 . Dr.R.Pushpa Latha 7 . S. Arumuga Selvi 8 . Pallavi Rahul Gedamkar 9 . Dr. I.Meenakshi 10 . Dr.A.Aruna Devi
TITLE OF INVENTION	FINANCIAL CREDIT MANAGEMENT SYSTEM ON E-COMMERCE USING MULTIDIMENSIONAL FRAMEWORK MODEL
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	thilakresearch@gmail.com
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(19) INDIA

(22) Date of filing of Application :16/03/2023

(43) Publication Date : 31/03/2023

(54) Title of the invention : Organic Evaluation of Safety and Efficacy and Cognitive Profile of two effective drugs for Schizophrenia Patients

(51) International classification :A61P 251800, H04N 191260, H04N 191300, H04N 191960, H04N 195100
(86) International Application No :PCT/
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Mr. Raju Darla
Address of Applicant :Associate Professor, Department of Pharmacognosy and Phytochemistry, Joginipally B R Pharmacy College, Bhaskar Nagar, Amdhapur X- Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 -

2)Dr. Sumia Fatima
3)Dr. Vijetha Pendyala
4)Satyabrata Jena
5)Mr. Suman Kumar Mekap
6)Mrs. Prashanthi Evangelin
7)Mr. Banavathu Prasad
8)Mr. Ankrshan Kumar
9)Dr. A V Kishore Babu
10)Mr. Rajat
11)Mr. Darshan K R
12)Ms. Thanuja N K
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Mr. Raju Darla
Address of Applicant :Associate Professor, Department of Pharmacognosy and Phytochemistry, Joginipally B R Pharmacy College, Bhaskar Nagar, Amdhapur X- Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 -----

2)Dr. Sumia Fatima
Address of Applicant :Professor, Department of Pharmacology, Azad College of Pharmacy, Moinabad, Hyderabad, Telangana, India-501504 -----

3)Dr. Vijetha Pendyala
Address of Applicant :Associate Professor, Department of Pharmacognosy & Phytochemistry, Chebrolu Hanumaiah Institute of Pharmaceutical Sciences, Chowdavaram, Guntur, Andhra Pradesh, India-522019 -----

4)Satyabrata Jena
Address of Applicant :Associate Professor, Department of Pharmaceutics, Bhaskar Pharmacy College, Bhaskar Nagar, Amdhapur X-Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 -----

5)Mr. Suman Kumar Mekap
Address of Applicant :Assistant Professor, Department of Pharmacology, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, India-752050 -----

6)Mrs. Prashanthi Evangelin
Address of Applicant :Associate Professor, Sims College of Pharmacy, SIMS Group of Institutions, Managaldas Nagar, Guntur, Andhra Pradesh, India-522509 -----

7)Mr. Banavathu Prasad
Address of Applicant :Undergraduate Student of Bachelor of Pharmacy, Sims College of Pharmacy, SIMS Group of Institutions, Managaldas Nagar, Guntur, Andhra Pradesh, India-522509 -----

8)Mr. Ankrshan Kumar
Address of Applicant :Associate Professor, Department of Pharmacy, College of Pharmacy, RIMT University, Mandi Gobindgarh, Fatehgarh Sahib, Punjab, India- 147301 -----

9)Dr. A V Kishore Babu
Address of Applicant :Associate Professor, Department of Pharmacy Practice, Bhaskar Pharmacy College, Bhaskar Nagar, Amdhapur X- Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 -----

10)Mr. Rajat
Address of Applicant :Associate Professor Cum Research Scholar, College of Pharmacy, RIMT University, Mandi Gobindgarh, Fatehgarh Sahib, Punjab, India- 147301 -----

11)Mr. Darshan K R
Address of Applicant :Student of Fifth Year Doctor of Pharmacy, Department of Pharmacy Practice, Faculty of Pharmacy, Ramaiah University of Applied Sciences, Gnana Gangotri Campus, Msr Nagar, Msril Post, Bengaluru, Karnataka, India-560054 -----

12)Ms. Thanuja N K
Address of Applicant :Assistant Professor, Department of Pharmacology, Faculty of Pharmacy, Ramaiah University of Applied Sciences, Gnana Gangotri Campus, Msr Nagar, Msril Post, Bengaluru, Karnataka, India-560054 -----

(57) Abstract :
The main determinants of therapy response in schizophrenia include impaired cognitive processes. Traditional antipsychotics have negative side effects and little effect on cognitive dysfunctions. The use of atypical antipsychotics in the treatment of cognitive and unfavourable symptoms of schizophrenia has showed potential. Research is being done to determine which atypical antipsychotic is the most effective. Objective. to compare olanzapine's cognitive profile, amisulpride's iii cognitive profile, and their effectiveness in treating acute psychotic exacerbations of schizophrenia. Method. We employed an 8-week prospective, randomised, double-blind, single-center clinical trial. Treatments and Topics.

No. of Pages : 10 No. of Claims : 1

Patent number 2022/12009	Title of invention A METHOD FOR DETERMINING THE EFFECTS OF PHYTOBIOTIC ESSENTIAL OILS ON GROWTH PERFORMANCE, HEMATOLOGICAL PARAMETER AND EGG QUALITY OF POULTRY BIRDS
Date of application 2022-11-03	Date of acceptance 2023-02-14
Date of expiry 2042-11-03	Date of grant 2023-03-29
Type of patent Complete	Status Granted
IPC Class A23K	Patent abstract The present disclosure relates to a method for determining the effects of phytobiotic essential oils on the growth performance, hematological parameters and egg quality of poultry birds. In this disclosure, phytobiotic essential oils namely black pepper, turmeric, and fennel is prepared and administrated to the poultry birds at different concentration. The effects of these prepared essential oils on the growth performance, hematological parameters, and quality of eggs of Gallus gallus are determined by using a developed back propagation extreme learning machine model. The present disclosure, showed that phytobiotics essential oils can be a very good replaced of antibiotic growth promoters in improving the performance of chickens, and can be immunostimulants for them.
Inventors Dr.Yashaswi Nayak Lopamudra Samantray Dr. Sunita Satapathy Dr. Satyasis Mishra	
Name & address of applicant	Address for service

Dr. Yashaswi Nayak - Department of Zoology, Centurion
University of Technology & Management, Bhubaneswar
Odisha
India

Wolmarans and Susan Inc. - 337 Surrey Avenue
Randburg

Lopamudra Samantray - Department of Zoology, Centurion
University of Technology & Management, Bhubaneswar
Odisha
India

Dr. Sunita Satapathy - Department of Zoology, Centurion
University of Technology & Management, Bhubaneswar
Odisha
India

Dr. Satyasis Mishra - Department of ECE, Centurion
University of Technology & Management, Bhubaneswar
Odisha
India

(54) Title of the invention : A METHOD OF CHARACTERIZING AND EVALUATING A TARGETED DRUG DELIVERY FOR MALIGNANT TUMOURS

(51) International classification :A61P 350000, C07D 050600, C07D 051400, C12Q 016886, G06T 070000
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
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 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Dr.Richa Sood

Address of Applicant :Assistant Professor, College of Pharmaceutical Sciences, Dayananda Sagar University, Bengaluru, Karnataka, India. Pin Code:560078 -----

2)Dr.V.Kiran Kumar**3)Dr.Swapna Velivela****4)Mr.Mayankesh Pandey****5)Dr.B.Ravindra Babu****6)Dr.Shaheena Sohi****7)Mr.Bikash Ranjan Jena****8)Dr.Santhisree. Vemulapalli****9)Prof(Dr.).Arnabaditya Mohanty****10)Mr.Satyabrata Jena**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr.Richa Sood

Address of Applicant :Assistant Professor, College of Pharmaceutical Sciences, Dayananda Sagar University, Bengaluru, Karnataka, India. Pin Code:560078 -----

2)Dr.V.Kiran Kumar

Address of Applicant :Principal & HOD, Department of Pharmaceutical Analysis, Mother Teresa College of Pharmacy, NFC Nagar, Ghatkesar, Hyderabad, Telangana, India. Pin Code:501301 -----

3)Dr.Swapna Velivela

Address of Applicant :Associate Professor, Department of Pharmaceutics, Pulla Reddy Institute of Pharmacy, Domadigu (V), Gummadidala mandal, Sangareddy District, Hyderabad, Telangana, India. Pin Code:502313 -----

4)Mr.Mayankesh Pandey

Address of Applicant :Associate Professor, Department of Pharmacology, Vidya Bhavan College of Pharmacy, Rautapur, Chaubeypur, Kanpur, Uttar Pradesh, India. Pin Code:209203 - -----

5)Dr.B.Ravindra Babu

Address of Applicant :Professor, Department of Pharmaceutics, Pulla Reddy Institute of Pharmacy, Domadigu (V), Gummadidala (M), Sangareddy District, Hyderabad, Telangana, India. Pin Code:502313 -----

6)Dr.Shaheena Sohi

Address of Applicant :Associate Professor, Department of Pharmacy, RIMT University, Mandi Gobindgarh, Punjab, India. Pin Code:147301 -----

7)Mr.Bikash Ranjan Jena

Address of Applicant :Associate Professor, Department of Pharmaceutical Analysis, School of Pharmacy & Life Sciences, Centurion University of Technology and Management, Jatani, Odisha, India. Pin Code:752050 -----

8)Dr.Santhisree. Vemulapalli

Address of Applicant :Associate Professor, Department of Pharmaceutics, Vijaya college of Pharmacy, Hyderabad, Telangana, India. Pin code:500010 -----

9)Prof(Dr.).Arnabaditya Mohanty

Address of Applicant :Principal, The Pharmaceutical College, Samaleswari Vihar, Tingipali, Barpali, Bargarh District, Odisha, India. Pin Code:768029 -----

10)Mr.Satyabrata Jena

Address of Applicant :Associate Professor, Bhaskar Pharmacy College, Hyderabad, Yenkapally, Moinabad, (JNTUH, Hyderabad), Rangareddy District, Hyderabad, Telangana, India. Pin Code:500075 -----

(57) Abstract :

The present invention relates to a method for characterizing and evaluating a targeted drug delivery system for malignant tumours. The method involves administering the drug delivery system to a patient with a malignant tumour and obtaining a tissue sample from the tumour site. The drug distribution in the tumour tissue is then measured and compared to a predetermined therapeutic threshold to determine if the drug delivery system is effective. The method also involves measuring the expression levels of tumour-specific receptors in the tissue sample and correlating the receptor expression with drug distribution in the tumour tissue. This provides a more targeted approach to anti-cancer therapy, allowing for optimization of drug delivery to tumour sites and improving therapeutic efficacy. The method can be repeated as necessary to optimize drug delivery efficacy and improve therapeutic outcomes.

No. of Pages : 19 No. of Claims : 10

(54) Title of the invention : INNOVATIVE AND ALTERNATIVE OCULAR DRUG DELIVERY SYSTEM FOR INCREASED EFFICIENCY

<p>(51) International classification :A61F 090000, A61K 090000, A61P 270200, C08K 030400, G06F 074910</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr Jitendra Gupta Address of Applicant :Associate Professor, Institute of Pharmaceutical Research, GLA University, Faculty Residence Block 10, Flat No. 404, GLA University, Mathura, Uttar Pradesh., India, Pin Code 281406 -----</p> <p>2)Dr Sachinkumar Dnyaneshwar Gunjal 3)Mr. Deepak Shrivastava 4)Ms. Swagatika Das 5)Dr Yella Sirisha 6)Dr Mohd Abdul Hadi 7)Prof Chatlapelli kishore 8)Mr. Satyabrata Jena 9)Dr P Sobitha Rani 10)Dr Vikash Kumar Mishra 11)Mr. Rakesh Swain 12)Dr Vankam Lokeswara Babu Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr Jitendra Gupta Address of Applicant :Associate Professor, Institute of Pharmaceutical Research, GLA University, Faculty Residence Block 10, Flat No. 404, GLA University, Mathura, Uttar Pradesh., India, Pin Code 281406 -----</p> <p>2)Dr Sachinkumar Dnyaneshwar Gunjal Address of Applicant :Department of Pharmaceutics, Amrutvahini College of Pharmacy, Sangamner, Savitribai Phule Pune University, Maharashtra State, India. Pin-422605. -----</p> <p>3)Mr. Deepak Shrivastava Address of Applicant :Associate Professor Department of Pharmaceutical Chemistry, NMT GUJARATI COLLEGE OF PHARMACY INDORE, PU 4 SCHEME NO 54, Vijay nagar, Indore, Madhya Pradesh, India Pin code 452010 -----</p> <p>4)Ms. Swagatika Das Address of Applicant :Assistant professor Pharmacy, Centurion University of Technology and Management, Odisha, India Pin-756044 -----</p> <p>5)Dr Yella Sirisha Address of Applicant :Associate professor, Department of Pharmaceutics, Samskruti college of Pharmacy, kondapur, Ghatkesar, Medchal Malkajgiri, Telangana , INDIA- 501301. -----</p> <p>6)Dr Mohd Abdul Hadi Address of Applicant :Associate Professor Department of Pharmaceutics, Bhaskar Pharmacy College, Moinabad (M), Hyderabad, Telangana,India- 500075. -----</p> <p>7)Prof Chatlapelli kishore Address of Applicant :Assistant Professor, Department of Pharmaceutics Vaagdevi Institute of Pharmaceutical Sciences, Bollikunta, Warangal, Telangana-India,506005 -----</p> <p>8)Mr. Satyabrata Jena Address of Applicant :Associate Professor, Department of Pharmaceutics, Bhaskar Pharmacy College, Bhaskar Nagar, Amdhapur X- Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 -----</p> <p>9)Dr P Sobitha Rani Address of Applicant :Associate Professor, Dept of Pharmaceutics, Bhaskar Pharmacy College, Bhaskar Nagar,Moinabad, Rangareddy District, Hyderabad, India-500075 -----</p> <p>10)Dr Vikash Kumar Mishra Address of Applicant :Professor & Principal Ojaswini Pharmacy College, Sagar Madhya Pradesh. University Road,Pathariya Jat, Sagar, Madhya Pradesh, India-470228 -----</p> <p>11)Mr. Rakesh Swain Address of Applicant :Senior Research Fellow, Pharmaceutical Sciences, School of pharmaceutical sciences, SOA deemed to be university, Bhubaneswar, Odisha, India 751003 -----</p> <p>12)Dr Vankam Lokeswara Babu Address of Applicant :Associate Professor Dept of Pharmaceutics Bhaskar Pharmacy College, Yankapally (V), Moinabad (M), Rangareddy District. Hyderabad, Telangana,India,500075 -----</p>
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(57) Abstract :

ABSTRACT The invention relates to the field of Pharmacy and application of this invention is to implement Innovative and alternative Ocular drug delivery system for increased efficiency. Because of its anatomy and physiology, the eye is a well-protected organ. It has been regarded as a challenging undertaking to develop an effective treatment for ocular illnesses, particularly those affecting the posterior segment. Scientists have been challenged to identify other modes of administration, such as periocular channels, due to the limitations of topical and intravitreal methods. Due to its potential to get around several difficulties with existing therapy, transporter focused drug delivery has attracted a lot of attention in the field.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202331032282 A

(19) INDIA

(22) Date of filing of Application :07/05/2023

(43) Publication Date : 19/05/2023

(54) Title of the invention : Composition of green-synthesized nanometals from plant extracts for use in antimicrobial coating

(51) International classification :A61P 31/04
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Dr. Sheerin Masroor
Address of Applicant :Assistant Professor, Department of Chemistry, A N College, Patliputra University, Patna, Bihar, India, Pincode: 800013 -----
2)Dr. Bhogi Santhosh Kumar
3)Dr. Avula Balakrishna
4)Ms. Neela Swapna
5)Dr. Ch. Komali
6)Dr. M.S.N.A. Prasad
7)Mr. Sugeet Sethi
8)Mrs. David Blessing Rani J
9)Dr. Ashish Verma
10)Dr. Asif Rasool
11)Mr. Sanjeev Kumar Rajput
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. Sheerin Masroor
Address of Applicant :Assistant Professor, Department of Chemistry, A N College, Patliputra University, Patna, Bihar, India, Pincode: 800013 -----
2)Dr. Bhogi Santhosh Kumar
Address of Applicant :Assistant Professor of Physics, Department of Basic Sciences and Humanities, GMR Institute of Technology, Rajam, Vizianagaram Dt., Andhra Pradesh, India, Pincode: 532127 -----
3)Dr. Avula Balakrishna
Address of Applicant :Assistant Professor, Department of Chemistry, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh, India, Pincode: 518501 -----
4)Ms. Neela Swapna
Address of Applicant :Associate Professor, Department of Pharmacy (Pharmaceutics), Nalla Narasimha Reddy Education Society's Group of Institutions-School of Pharmacy, Chowdariguda, Narapally, Ghatkesar, Hyderabad, Telangana, India, Pincode: 500088 -----
5)Dr. Ch. Komali
Address of Applicant :Teaching Assistant, Department of Engineering Physics, Andhra University College of Engineering (A), Andhra University, Visakhapatnam, Andhra Pradesh, India, Pincode: 530003 -----
6)Dr. M.S.N.A. Prasad
Address of Applicant :Assistant Professor, Department of Chemistry, Institute of Aeronautical Engineering (IARE), Dundigal, Hyderabad, Telangana, India, Pincode: 500043 -----
7)Mr. Sugeet Sethi
Address of Applicant :Research Scholar, Chemical Science Department, Madhyanchal Professional University, Bhopal, Madhya Pradesh, India, Pincode: 462044 -----
8)Mrs. David Blessing Rani J
Address of Applicant :Assistant Professor, Department of Pharmacy, Centurion University of Technology and Management, Balasore, Odisha, India, Pincode: 756044, -----
9)Dr. Ashish Verma
Address of Applicant :Professor, Department of Physics, Dr. Harisingh Gour Viswavidyalaya, Sagar, Madhya Pradesh, India, Pincode: 470003 -----
10)Dr. Asif Rasool
Address of Applicant :Assistant Professor, Department of Applied Science, Maulana Mukhtar Ahmad Nadvi Technical Campus, MMANTC Mansoor, Malegaon, Maharashtra, India, Pincode: 423203 -----
11)Mr. Sanjeev Kumar Rajput
Address of Applicant :Assistant Professor, Department of Textile Chemistry, Uttar Pradesh Textile Technology Institute, Kanpur, Uttar Pradesh, India, Pincode: 208001 -----

(57) Abstract :

The proposed invention involves the green synthesis of nanometals from plant extracts for use in antimicrobial coatings. The plant extracts are used as reducing and capping agents, resulting in nanometals with high stability and biocompatibility. The resulting nanometals are then incorporated into various coating materials to create antimicrobial coatings that have the potential to inhibit the growth of harmful bacteria, fungi, and other pathogens. The green-synthesized nanometals also have unique optical and electronic properties, making them useful for a wide range of applications. The proposed invention offers a sustainable and cost-effective solution to the limitations of current antimicrobial coatings, while also contributing to the development of new plant-based materials and the field of nanotechnology.

No. of Pages : 21 No. of Claims : 10

37652

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311031693 A

(19) INDIA

(22) Date of filing of Application :04/05/2023

(43) Publication Date : 09/06/2023

(54) Title of the invention : STUDIES ON THE DESIGN AND DEVELOPMENT OF DISSOLVABLE ORAL MEDICATION DELIVERY SYSTEMS FOR A WEAKLY WATER-SOLUBLE NON-STEROIDAL ANTI-INFLAMMATORY MEDICINE

<p>(51) International classification :A61K 090600, A61K 311920, A61M 053150, A61P 290000, C11B 090000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Mr. Mohit Chadha Address of Applicant :Assistant Professor, Baba Farid College of Pharmacy, Mullanpur, Ludhiana, Punjab, Pin- 142023, India. -----</p> <p>2)Mr. Vishal Jagannath Gaikwad 3)Dr. Minkal Tuteja 4)Mrs. Mhaske Pratiksha Bharat 5)Dr. Jameel Ahmed S. Mulla 6)Mrs. Kajal khan 7)Dr. Archana Bagre 8)Dr. Sameer H.Lakade 9)Miss. Sana Abdul Hai Shaikh 10)Mrs. David Blessing Rani J 11)Dr. Ujashkumar Shah 12)Mr. Pravin Khushalrao Bhojar</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Mr. Mohit Chadha Address of Applicant :Assistant Professor, Baba Farid College of Pharmacy, Mullanpur, Ludhiana, Punjab, Pin- 142023, India. -----</p> <p>2)Mr. Vishal Jagannath Gaikwad Address of Applicant :Assistant. Professor, Dr. Naikwadi College of D. Pharmacy Jamgaon Sinnar Nashik Pin code:-422103, India. -----</p> <p>3)Dr. Minkal Tuteja Address of Applicant :Assistant Professor, Panipat Institute of Engineering and Technology 70 Milestone, Samalkha Panipat, 132103, Haryana, India. -----</p> <p>4)Mrs. Mhaske Pratiksha Bharat Address of Applicant :Assistant Professor, Matoshri Radha College of Pharmacy Ahmad Nagar Maharashtra, Pin Code: - 422601, India. -----</p> <p>5)Dr. Jameel Ahmed S. Mulla Address of Applicant :Professor, Shree Santkrupa College of Pharmacy, Ghogaoan (Shivaji Nagar), Karad, Satara, Maharashtra Pin Code: - 415111, India. -----</p> <p>6)Mrs. Kajal khan Address of Applicant :Assistant Professor, Truba Institute of Pharmacy, Bhopal, Madhya Pradesh, Pin code: 462033, India. -----</p> <p>7)Dr. Archana Bagre Address of Applicant :Associate Professor, Truba Institute of Pharmacy Bhopal Madhya Pradesh. Pin code: 462033, India. -----</p> <p>8)Dr. Sameer H.Lakade Address of Applicant :Professor, Rasiklal M. Dhariwal Institute of Pharmaceutical Education and Research, Chinchwad, Pune, Maharashtra, Pin Code:- 411019, India. -----</p> <p>9)Miss. Sana Abdul Hai Shaikh Address of Applicant :Assistant Professor, Indala Institute of Pharmacy, Bapsai - Kalyan Mumbai University Thane Maharashtra, Pin Code: - 421 103, India. -----</p> <p>10)Mrs. David Blessing Rani J Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Gopalpur, Balasore, Odisha, India Pincode: 756044 -----</p> <p>11)Dr. Ujashkumar Shah Address of Applicant :Professor and Head, Faculty of Pharmacy, Nootan Pharmacy College, Sankalchand Patel University, SK Campus, Visnagar Pin Code: - 384315, Mehsana, Gujarat, India. -----</p> <p>12)Mr. Pravin Khushalrao Bhojar Address of Applicant :Principal, Mata Mahakali College of Pharmacy, Tehsil-Warora, Chandrapur, Maharashtra Pin Code: - 442401, India. -----</p>
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(57) Abstract :
STUDIES ON THE DESIGN AND DEVELOPMENT OF DISSOLVABLE ORAL MEDICATION DELIVERY SYSTEMS FOR A WEAKLY WATER-SOLUBLE NON-STEROIDAL ANTI-INFLAMMATORY MEDICINE 5 A method of treating together with single dose applicators, devices for delivering the drug formulations to the oral mucosa, and methods for using them, bio adhesive drug formulations that adhere to an oral mucosal membrane of a subject are provided. Before a drug-containing tablet from the plurality of drug-containing tablets can be administered via the cartridge outlet of the device, the shipping tablet must be dispensed there. The substrate that the lipid generated 10 by the biodegradable polymer is saturated is included in the compositions that extend the release of the active component. It relates to hyaluronic acid derivative solutions, sets, and medical injection sets, including solutions of hyaluronic acid derivative, as well as pharmaceutical agents for the treatment of arthritis, the suppression of pain, and/or the suppression of inflammation. The lipid oxide of fresh synthesis is offered, utilized to treat lipid 15 oxide, and serves as a preventative measure for inflammation caused by endogenous oxidized lipids.

No. of Pages : 15 No. of Claims : 1

(54) Title of the invention : CYBER PHYSICAL SYSTEM FOR HUMAN RESOURCE MANAGEMENT TO INCREASE GREEN CORPORATE IMAGE

<p>(51) International classification :A61K 367100, G05B 130400, G06Q 100600, G06Q 101000, G10L 152600</p> <p>(86) International Application No.:NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Ms. SHARMILA FERNANDES Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MBA, ST CLARET INSTITUTE OF MANAGEMENT, BENGALURU UNIVERSITY, INDIAN, BENGALURU, 560063, KARNATAKA, INDIA. -----</p> <p>2)Ms. HIMRESHA BHATT</p> <p>3)Dr. VENKATESWARLU KARUMURI</p> <p>4)Dr. PARLE KALYAN CHAKRAVARTHY</p> <p>5)Dr. RAVI KUMAR PENKI</p> <p>6)Mr. MAHABUB BASHA S</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Ms. SHARMILA FERNANDES Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MBA, ST CLARET INSTITUTE OF MANAGEMENT, BENGALURU UNIVERSITY, INDIAN, BENGALURU, 560063, KARNATAKA, INDIA. -----</p> <p>2)Ms. HIMRESHA BHATT Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF BBA, BENGALURU NORTH UNIVERSITY, INDIAN, BENGALURU, 560064, KARNATAKA, INDIA. -----</p> <p>3)Dr. VENKATESWARLU KARUMURI Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF MBA, INTERNATIONAL INSTITUTE OF BUSINESS STUDIE, BANGALORE CITY UNIVERSITY, INDIAN, BENGALURU, 562157, KARNATAKA, INDIA. -----</p> <p>4)Dr. PARLE KALYAN CHAKRAVARTHY Address of Applicant :ASSOCIATE PROFESSOR, SCHOOL OF MANAGEMENT CENTURION UNIVERISTY OF TECHNOLOGY AND, INDIAN, PARLAKHEMUNDI, 761211, ODISHA, INDIA. -----</p> <p>5)Dr. RAVI KUMAR PENKI Address of Applicant :ASSOCIATE PROFESSOR MANAGEMENT STUDIE SITAM, JNTUGV, INDIAN, VIJAYANAGARAM, 530041, ANDHRA PRADESH, INDIA. -----</p> <p>6)Mr. MAHABUB BASHA S Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMMERCE, INTERNATIONAL INSTITUTE OF BUSINESS STUDIE BANGALORE CITY UNIVERSITY, INDIAN, BENGALURU, 562157, KARNATAKA, INDIA. -----</p>
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(57) Abstract :

A cyber-physical system for human resource management can indeed contribute to increasing a company's green corporate image. By integrating digital technologies and physical systems, such a system can optimize various aspects of human resource management while promoting environmental sustainability. Here are some ways in which it can be achieved: Remote Work and Collaboration: Implementing remote work policies and providing the necessary digital infrastructure can reduce the need for daily commuting, resulting in lower carbon emissions from transportation. Collaboration tools, video conferencing, and virtual meetings can be employed to facilitate remote work and minimize the environmental impact associated with business travel. Energy Management: A cyber-physical system can help monitor and manage energy consumption within the workplace. It can include smart sensors and meters to track energy usage, occupancy sensors to optimize lighting and HVAC systems, and automated controls to ensure energy-efficient operations. By reducing energy waste, companies can lower their carbon footprint and improve their green image. Overall, a cyber-physical system for human resource management can play a vital role in increasing a company's green corporate image. By leveraging technology to optimize processes, reduce resource consumption, and engage employees in sustainability initiatives, companies can demonstrate their commitment to environmental responsibility and position themselves as leaders in green practices.

No. of Pages : 8 No. of Claims : 5



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202331042404
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/06/2023
APPLICANT NAME	1 . Dr. Sujit Mishra 2 . Dr. Ashok Misra 3 . Dr. Panyam Venkata Satya Narayana 4 . Dr. Saroj Kumar Mishra
TITLE OF INVENTION	Model for Aerodynamic Drag Improvement in Realistic Simplified Car with Dusty Fluid Simulations
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	ramesh.panda.mech@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/06/2023

Application Status

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 107 272

Bezeichnung:

Ein System zur Analyse der Infektion mit Pseudomonas Syringae durch gezielte
Ansprache von Cochaperonen, die eine J-Domäne enthalten

IPC:

C12Q 1/04

Inhaber/Inhaberin:

Centurion University of Technology and Management, Bhubaneswar, Odisha, IN
Panigrahi, Gagan Kumar, Jatni, Odisha, IN
Sahoo, Annapurna, Nayagarh, Odisha, IN
Sahoo, Shraban Kumar, Sambalpur, Odisha, IN
Satapathy, Kunja Bihari, Bhubaneswar, Odisha, IN

Tag der Anmeldung:

28.12.2022

Tag der Eintragung:

30.01.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia R. Rudloff-Schäffer

Cornelia Rudloff-Schäffer

München, 30.01.2023





Benachrichtigung über den Erhalt einer Gebrauchsmusteranmeldung:

Dokumenten Referenz-Nr. (DRN): 2022122813184100DE
Anmeldung eingegangen am: 28.12.2022

Digitale Signatur

Signaturniveau: fortgeschritten
gültig von: 28.11.2022 01:00:00
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Seriennummer: 18195984972387930518499884007315914216
Herausgeber: O=European Patent Office,
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Daten zum vorliegenden Vorgang:

amtliches Aktenzeichen: 20 2022 107 272.8

Barcode:



Vorgangstyp: Gebrauchsmusteranmeldung

Bezeichnung der Erfindung: Ein System zur Analyse der Infektion mit Pseudomonas Syringae durch gezielte Ansprache von Cochaperonen, die eine J-Domäne enthalten

Ihr Zeichen: G11949DE

Anmelder: Centurion University of Technology and Management
HIG-4, Jaydev Vihar, Dist: Khurda
751013 Bhubaneswar, Odisha
IN



Folgende Dateien sind beim Deutschen Patent- und Markenamt eingegangen und wurden auf korrekte Syntax, Vollständigkeit der Anmeldedaten und zulässige Graphikformate erfolgreich validiert	Specification.pdf (G11949DE Anmeldeunterlagen 24122022.pdf) DIRECTDEBIT.XML DE-UM-REQUEST.XML
Hashwert des Antrags	24A2696901DC1AF1968860E86FBD9792A176299A
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Deutsches Patent- und Markenamt

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80297 München
Telefon: 089 / 2195-1000
Fax: 089 / 2195-2221
E-Mail: info@dpma.de

Für **technische** Fragen rund um DPMAdirekt wenden Sie sich an unsere technische Kundenbetreuung:

E-Mail: DPMAdirekt@dpma.de

Register information for utility models

File number **DE: 20 2022 107 272.8** (status: pending/in force, as of: February 15, 2023)

Hit 1/1



BASE DATA

INID	criteria	Field	Contents
	property right type	SART	utility model
	status	ST	Pending/In Effect
21	Case number DE	DAKZ	20 2022 107 272.8
54	designation/title	ti	A system for analyzing infection with Pseudomonas Syringae by targeting cochaperones containing a J-domain
51	IPC main class	ICM (ICMV)	C12Q 1/04 (2006.01)
51	IPC minor class(es)	ICS (ICSV)	C12Q 1/68 (2018.01) , C12Q 1/686 (2018.01) , C12Q 1/6883 (2018.01) , G01N 33/53 (2006.01) , G01N 33/68 (2006.01)
22	Filing date DE	DATE	12/28/2022
47	registration day	ET	01/30/2023
71/73	Applicant/Owner	INH	Centurion University of Technology and Management, Bhubaneswar, Odisha, IN, Panigrahi, Gagan Kumar, Jatni, Odisha, IN, Sahoo, Annapurna, Nayagarh, Odisha, IN, Sahoo, Shraban Kumar, Sambalpur, Odisha, IN, Satapathy, Kunja Bihari, Bhubaneswar, Odisha, IN
74	Representative	VTR	Hohendorf Kierdorf Patent Attorneys PartGmbB, 50672 Cologne, DE
	delivery address		Hohendorf Kierdorf Patent Attorneys PartGmbB, 50672 Cologne, DE
	Due date	FT FG	12/31/2025 maintenance fee for the 4th-6th Year
43	initial release date	PUB	01/30/2023
	Day of first transfer to DPMAregister	ENERGIZED	01/30/2023

INID	criteria	Field	Contents
	Day of the (last) update in DPMAregister	REG	01/30/2023 (show all update days)

PROCEDURAL DATA

No.	procedure type	status of proceedings	status of proceedings ▲	initial release date	Close all details
1	pre-trial	The application is in the preliminary examination	12/28/2022		View Details
2	utility model proceedings	Registration of the utility model	01/30/2023		View Details

PROCEDURE VIEW UTILITY MODEL PROCEDURE : REGISTRATION OF THE UTILITY MODEL (NO.: 2) [Close details](#)

INID	criteria	Field	Contents
	procedure type	VART	utility model proceedings
	status of proceedings	VST	Registration of the utility model
	status of proceedings	VSTT	01/30/2023
	Procedure update date	REG	01/30/2023

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Registerauszug zum Aktenzeichen 20 2022 107 272.8

Stand am 15.02.2023
(letzte Aktualisierung in DPMAregister am 30.01.2023)

Es bestehen folgende Eintragungen:

Stammdaten

- [-----] **Schutzrechtsart:** Gebrauchsmuster
- [-----] **Status:** Anhängig/in Kraft
- [21] **Aktenzeichen DE:** 20 2022 107 272.8
- [54] **Bezeichnung/Titel:** Ein System zur Analyse der Infektion mit Pseudomonas Syringae durch gezielte Ansprache von Cochaperonen, die eine J-Domäne enthalten
- [51] **IPC-Hauptklasse:** C12Q 1/04 (2006.01)
- [51] **IPC-Nebeklasse(n):** C12Q 1/68 (2018.01);C12Q 1/686 (2018.01);C12Q 1/6883 (2018.01);G01N 33/53 (2006.01);G01N 33/68 (2006.01)
- [22] **Anmeldetag DE:** 28.12.2022
- [47] **Eintragungstag:** 30.01.2023
- [71/
73] **Anmelder/Inhaber:** Centurion University of Technology and Management, Bhubaneswar, Odisha, IN, Panigrahi, Gagan Kumar, Jatni, Odisha, IN, Sahoo, Annapurna, Nayagarh, Odisha, IN, Sahoo, Shraban Kumar, Sambalpur, Odisha, IN, Satapathy, Kunja Bihari, Bhubaneswar, Odisha, IN
- [74] **Vertreter:** Hohendorf Kierdorf Patentanwälte PartGmbH, 50672 Köln, DE
- [-----] **Zustellanschrift:** Hohendorf Kierdorf Patentanwälte PartGmbH, 50672 Köln, DE
- [-----] **Fälligkeit:** Aufrechterhaltungsgebühr für das 4.-6. Jahr/ 31.12.2025
- [43] **Erstveröffentlichungstag:** 30.01.2023
- [-----] **Tag der ersten Übernahme in DPMAregister:** 30.01.2023
- [-----] **Tag der (letzten) Aktualisierung in DPMAregister:** 30.01.2023

Verfahrensdaten

Vorverfahren

- [-----] **Verfahrensart:** Vorverfahren
- [-----] **Verfahrensstand:** Die Anmeldung befindet sich in der Vorprüfung
- [-----] **Verfahrensstandstag:** 28.12.2022
- [-----] **Tag der Aktualisierung des Verfahrens:** 30.01.2023

Gebrauchsmusterverfahren

- [-----] **Verfahrensart:** Gebrauchsmusterverfahren
- [-----] **Verfahrensstand:** Eintragung des Gebrauchsmusters
- [-----] **Verfahrensstandstag:** 30.01.2023
- [-----] **Tag der Aktualisierung des Verfahrens:** 30.01.2023

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Hohendorf Kierdorf
Patentanwälte PartGmbH
Hohenzollernring 79-83
50672 Köln

HAUSANSCHRIFT Zweibrückenstraße 12, 80331 München
POSTANSCHRIFT 80297 München
KONTAKT Röber
TEL +49 89 2195-1770
FAX +49 89 2195-2221
INTERNET www.dpma.de
AKTENZEICHEN 20 2022 107 272.8
ANMELDER/INHABER Centurion University of Technology and
Management u.a.
IHR ZEICHEN G11949DE
ERSTELLT AM 04.01.2023

Bitte Aktenzeichen und Anmelder/Inhaber bei allen Eingaben und Zahlungen angeben!

Empfangsbestätigung für eine Gebrauchsmusteranmeldung

Die aus der beiliegenden Antragskopie ersichtliche Gebrauchsmusteranmeldung ist am 28.12.2022 beim Deutschen Patent- und Markenamt eingegangen.

Die Anmeldung hat das **Aktenzeichen 20 2022 107 272.8** erhalten.

Eingegangene Unterlagen:

- 19 Seite(n) mit Beschreibung
- 4 Seite(n) Schutzansprüche mit 10 Schutzansprüchen
- 2 Blatt Zeichnung(en)
- 0 Abschrift(en) der Voranmeldung(en)
- Abschrift der Voranmeldung bei Abzweigung
- Vertretervollmacht
- Sequenzprotokoll als elektronisches Dokument

Wichtige Hinweise:

Wird die Anmelde- oder Rechercheantragsgebühr nicht innerhalb von 3 Monaten nach Einreichung der Anmeldung bzw. nach Stellung des Antrags gezahlt, so gilt die Anmeldung bzw. der Rechercheantrag als zurückgenommen (§ 6 PatKostG). Bitte beachten Sie, dass außer der Empfangsbestätigung keine weitere Gebührenbenachrichtigung versandt wird.

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Zugang DPMAdirektPro

Anlage(n)

Gebührensätze

Anmeldegebühr	
bei Anmeldung in elektronischer Form	30,-- EUR (Gebührennummer 321 000)
bei Anmeldung in Papierform	40,-- EUR (Gebührennummer 321 100)
Recherchegebühr	250,-- EUR (Gebührennummer 321 200)

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 - b) durch Überweisung auf das auf der ersten Seite dieses Schreibens angegebene Konto der Bundeskasse für das Deutsche Patent- und Markenamt,
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3. Als **Einzahlungstag** gilt gemäß § 2 PatKostZV
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REPUBLIC OF SOUTH AFRICA

REGISTER OF PATENTS

PATENTS ACT, 1978

Official application No.		Lodging date: Provisional		Acceptance date	
21	01	2023/02843		22	
				47	2023/05/17
International classification		Lodging date: Complete		Granted date	
51	A01N	23	2023/02/27		2023/05/31
71	Full name(s) of applicant(s)/Patentee(s):				
Centurion University of Technology and Management Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, 752050, India Annapurna Sahoo School of Applied Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, 752050, India Gagan Kumar Panigrahi School of Applied Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, 752050, India Kunja Bihari Satapathy School of Applied Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, 752050, India					
71	Applicant substituted:			Date registered	
71	Assignee(s):			Date registered	
72	Full name(s) of inventor(s):				
Annapurna Sahoo Gagan Kumar Panigrahi Kunja Bihari Satapathy					
Priority claimed:		Country	Number		Date
54	Title of invention				
A COMPOSITION AND METHOD FOR PROVIDING RESISTANCE AGAINST PATHOGEN INFECTION AND DROUGHT STRESS IN ARABIDOPSIS					
Address of applicant(s)/patentee(s):					
Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, 752050 INDIA School of Applied Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, 752050 INDIA School of Applied Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, 752050 INDIA School of Applied Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Odisha, 752050 INDIA					
74	Address for service				
Wolmarans and Susan Inc. 337 Surrey Avenue, Randburg, Gauteng, 2194 SOUTH AFRICA Reference No.					
61	Patent of addition No.			Date of any change	
Fresh application based on.				Date of any change	

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount
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HISTORY SHEET

Date entry made	Description
2023-02-28	Proof reading performed automatically
2023-02-28	Request for the acceptance of a Patent electronically filed on 27/2/2023, numbered 2023/02843
2023-05-17	Application accepted on 17/05/2023.
2023-05-17	Patent Notice of Acceptance sent by email to info@wsip.co.za
2023-06-01	Patent advertised on 31-05-2023.
2023-06-01	Patent granted on 31-05-2023.

