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**CENTURY
PATENT AT
CENTURION
UNIVERSITY
2020-2023**

**SCHOOL OF PHARMACY
AND LIFE SCIENCES**

CENTURY PATENT AT CENTURION UNIVERSITY 2020-2023

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(21) Application No.202031027644 A

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(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.

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(12) PATENT APPLICATION PUBLICATION

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(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	(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.Gurudutta Pattnaik
(61) Patent of Addition to Application Number	:NA	4)Mrs.Suchismita 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 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.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

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(31) Priority Document No :NA
(32) Priority Date :NA
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Filing Date :NA

(71)Name of Applicant :
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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.

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(12) PATENT APPLICATION PUBLICATION

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(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.202141032319 A

(19) INDIA

(22) Date of filing of Application :17/07/2021

(43) Publication Date : 10/09/2021

(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE-BASED TECHNIQUE FOR EARLY DETECTION OF CANCER

<p>(51) International classification :G06N0003080000, C12Q0001688600, G06K0009620000, G06N0020000000, G06T0007000000</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</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)Jitendra Debata Address of Applicant :Associate Professor Guru Nanak Institutions Technical Campus, School of Pharmacy, Ibrahimpatnam,Hyderabad,Telangana. Telangana India</p> <p>2)Anjana Devi</p> <p>3)Dr.Aditya Shiven</p> <p>4)Himanshu Kumar</p> <p>5)Dr.Chandra Sekhar Patro</p> <p>6)Bhargav Bhongiri</p> <p>7)Dr.Banavath Heeralal</p> <p>8)Vakkalagadda Ravi Kumar</p> <p>9)Soumya Stuti Patnaik</p> <p>10)Ladi Alik Kumar</p> <p>11)Dr.Devarakonda Krishna Prasad</p> <p>12)Dr.Mohammed Asadullah Jahangir</p> <p>(72)Name of Inventor :</p> <p>1)Jitendra Debata</p> <p>2)Anjana Devi</p> <p>3)Dr.Aditya Shiven</p> <p>4)Himanshu Kumar</p> <p>5)Dr.Chandra Sekhar Patro</p> <p>6)Bhargav Bhongiri</p> <p>7)Dr.Banavath Heeralal</p> <p>8)Vakkalagadda Ravi Kumar</p> <p>9)Soumya Stuti Patnaik</p> <p>10)Ladi Alik Kumar</p> <p>11)Dr.Devarakonda Krishna Prasad</p> <p>12)Dr.Mohammed Asadullah Jahangir</p>
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(57) Abstract :

ABSTRACT AN ARTIFICIAL INTELLIGENCE-BASED TECHNIQUE FOR EARLY DETECTION OF CANCER The present disclosure relates to an artificial intelligence-based technique for early detection of cancer. In an aspect, the artificial intelligence-based technique (100) for early detection of cancer comprises steps of collecting (102), a plurality of medical imaging data of previously suspected cancer patients, classifying (104), the medical imaging data into three classifiers, namely no cancer, low risk, and high risk, storing (106), the collected and classified data into a database, creating (108) an artificial intelligence neural network by performing data pre-processing, training, and testing using the database data, collecting (110), the medical imaging data of the current suspected cancer patient, implementing (112), the artificial intelligence neural network classifier to classify the patient for risk of cancer. (FIG. 1 will be the reference figure)

No. of Pages : 15 No. of Claims : 4

(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

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3)Dr. Anil Kumar

4)Ms. Kehkashan Alam

5)Mrs. B.V. Febiyola

6)Dr. Narayana Thota

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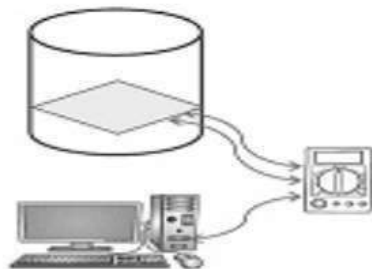
(57) Abstract :

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:



(a)



(b)

1(a) shows magnetic stirrer with metal oxide liquid. Figure 1(b) shows printed thin film for analysis goes through system.

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:

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Tag der Anmeldung:

02.02.2022

Tag der Eintragung:

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 : 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

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(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

(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

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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

(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

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(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 : An AI & ML based system for tagging for connected devices in a wireless network and method thereof

<p>(51) International classification :G06N0020000000, G06N0007000000, G06N0003063000, H04W0004700000, G06N0003020000</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. Nellore Manoj Kumar Address of Applicant :Independent Researcher, 15-225, Gollapalem, Venkatagiri, Tirupati District, Andhra Pradesh, India, Pincode: 524132 Venkatagiri ----- 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 Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Nellore Manoj Kumar Address of Applicant :Independent Researcher, 15-225, Gollapalem, Venkatagiri, Tirupati District, Andhra Pradesh, India, Pincode: 524132 Venkatagiri ----- 2)Dr. Ajit Kumar Patro Address of Applicant :Assistant Professor, Dept. of ECE, SoET, GIET University, Gunupur, Odisha, India, Pincode: 765022 Gunupur ----- 3)Dr. Jagana Bihari Padhy Address of Applicant :Assistant Professor, Dept. of ECE, SoET, GIET University, Gunupur, Odisha, India, Pincode: 765022 Gunupur ----- 4)Dr. Bibhu Prasad Address of Applicant :Assistant Professor, Dept. of ECE, SoET, GIET University, Gunupur, Odisha, India, Pincode: 765022 Gunupur ----- 5)Dr. Tusharkant Panda Address of Applicant :Assistant Professor, Dept. of ECE, SoET, GIET University, Gunupur, Odisha, India, Pincode: 765022 Gunupur ----- 6)Dr. Hari Kishan Chapala Address of Applicant :Professor & Head, Department of CSE, (Artificial Intelligence & Machine Learning), St. Ann's College of Engineering & Technology, Chirala, BapatlaDt, Andhra Pradesh, India, Pincode: 523187 Chirala ----- 7)Dr. Grandhi Prasuna Address of Applicant :Associate Professor, Department of Computer Science & Engineering, St. Ann's College of Engineering & Technology, Chirala, BapatlaDt, Andhra Pradesh, India, Pincode: 523187 Chirala ----- 8)Mr. K. Shyam Sundar Rao Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, School of Pharmacy, Centurion University Technology and Management, Rayagada, Odisha, India, Pincode: 765002 Rayagada ----- 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 Pulivendula -----</p>
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(57) Abstract :
In a few short years, the world will be full of billions of linked gadgets that will be installed in our homes, cities, automobiles, and industries. These devices will also be able to communicate with one another. In the future, there will be devices with limited resources that interact with their surroundings and with people. A significant number of these gadgets will be built on models of machine learning and artificial intelligence in order to decipher the meaning and behaviour hidden behind the data collected by sensors, implement correct forecasts, and make judgments. The huge number of linked items, which may cause the network to get congested, is going to be the bottleneck. Because of this, it is necessary to implement intelligence on end devices by using algorithms for machine learning. The deployment of machine learning on edge devices like these relieves congestion in the network by enabling calculations to be carried out in close proximity to the sources of the data. In order to pave the way for the Internet of Conscious Things, the purpose of this work is to present a review of the primary methods that ensure the execution of machine learning models on hardware with poor performances within the paradigm of the Internet of Things.

No. of Pages : 24 No. of Claims : 5

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 104 556

Bezeichnung:

Neue 2-Benzylbenzo[d]thiazol-6-sulfonamid-Formulation als potenzielles
entzündungshemmendes Mittel

IPC:

A61K 31/428

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Tag der Anmeldung:

10.08.2022

Tag der Eintragung:

23.08.2022

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 23.08.2022



(54) Title of the invention : A novel Nanocellulose and lignosulphate based adhesive coacervate composition and preparation method thereof

<p>(51) International classification :D21H0011180000, D21C0009000000, C08B0015080000, D21C0003200000, C08H0008000000</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. 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 ---- -----</p> <p>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</p> <p>(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 ----- -----</p> <p>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 ----- -----</p> <p>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 ----- -----</p> <p>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 ----- -----</p> <p>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 ----- -----</p> <p>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 ----- -----</p> <p>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 ----- -----</p> <p>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 ----- -----</p> <p>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 ----- -----</p> <p>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 ----- -----</p> <p>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 ----- -----</p>
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(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 : 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 :</p> <p>1)Dr. G Venkata karthik kumar Reddy Address of Applicant :Assistant Professor The Oxford college of Pharmacy , Begur Road , Hongasandra Bangalore 560068, Karnataka, India -----</p> <p>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</p> <p>(72)Name of Inventor :</p> <p>1)Dr. G Venkata karthik kumar Reddy Address of Applicant :Assistant Professor The Oxford college of Pharmacy , Begur Road , Hongasandra Bangalore 560068, Karnataka, India -----</p> <p>2)Dr. Prabitha P. Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, Sarada Vilas College of Pharmacy, Krishnamurthy Puram, Mysuru-570004, Karnataka, India -----</p> <p>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 -----</p> <p>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. -----</p> <p>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. -----</p> <p>6)Mr. Soumitra Tiwari Address of Applicant :Department of Food Processing and Technology, Atal Bihari Vajpayee University, Koni, 495009, Bilaspur , Chhattisgarh, India -----</p> <p>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. -----</p> <p>8)Mr. Vinod Kumar Singh Address of Applicant :Research Scholar Integral University, Department of Pharmacy, Kursi Rd, Lucknow, Uttar Pradesh 226026 -----</p> <p>9)Dr. Sachin Tyagi Address of Applicant :Professor & Director School of Pharmacy Bharat Institute of technology, Meerut ,250103, Uttar Pradesh, India -----</p> <p>10)Mr. Debyan Bhattacharjee Address of Applicant :Assistant Professor, Department of Pharmacognosy Bapuji Pharmacy College, Shammur Road, S S Layout. Davangere- 577004. Karnataka -----</p> <p>11)Dr. Prashant Tiwari Address of Applicant :Assistant Professor Department of Pharmacology and Toxicology College of Pharmaceutical Sciences Dayananda Sagar University Bengaluru, Karnataka -----</p> <p>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 : 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

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Name of Applicant : NA

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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

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 104 605

Bezeichnung:

Lipidbasiertes Nanoträger-Arzneimittelliefersystem

IPC:

A61K 47/14

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Tag der Anmeldung:

12.08.2022

Tag der Eintragung:

14.09.2022

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 14.09.2022



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

<p>(51) International classification :C22C0038120000, C21D0006000000, C22C0038140000, H04W0052020000, C21D0008020000</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. D. KAVITHA Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS, ST. PETER'S INSTITUTE OF HIGHER EDUCATION AND RESEARCH CHENNAI -----</p> <p>2)Dr.N.NANDHINI 3)Dr AKSHAY D. MESHAM 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</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(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 -----</p> <p>2)Dr.N.NANDHINI Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER APPLICATIONS, SNS COLLEGE OF TECHNOLOGY, COIMBATORE, 641035 COIMBATORE -----</p> <p>3)Dr AKSHAY D. MESHAM Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY ST WILFRED INSTITUTE OF PHARMACY PANVEL MUMBAI PANVEL MUMBAI -----</p> <p>4)SANJAY KUMAR GUPTA Address of Applicant :ASST PROFESSOR, DEPARTMENT OF PHARMACEUTICS, GLOBAL COLLEGE OF PHARMACY, MOINABAD,501504 HYDERABAD -----</p> <p>5)HRUDESH PRIYADARSAN SAHOO Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACOLOGY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA BHUBANESWAR -----</p> <p>6)Dr.CHANDRA SEKHAR BARIK Address of Applicant :ASST.PROFESSOR, DEPARTMENT OF PHARMACOLOGY,INSTITUTE OF PHARMACY AND TECHNOLOGY,SALIPUR,CUTTACK-754202 CUTTACK -----</p> <p>7)DEBGOPAL GANGULY Address of Applicant :ASSISTANT PROFESSOR, SCHOOL OF PHARMACY, SEACOM SKILLS UNIVERSITY, BOLPUR, BIRBHUM, WEST BENGAL -731236 BOLPUR -----</p> <p>8)SATYABRATA JENA Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, BHASKAR PHARMACY COLLEGE, HYDERABAD, 500075 HYDERABAD -----</p> <p>9)MITHILESH KUMAR Address of Applicant :ASST. PROFESSOR, FACULTY OF PHARMACY, KAMLA NEHRU INSTITUTE OF MANAGEMENT AND TECHNOLOGY, SULTANPUR (U.P)- 228119 SULTANPUR -----</p> <p>10)Dr.AMARESH CHANDRA SAHOO Address of Applicant :ASST. PROFESSOR, DEPARTMENT OF PHARMACEUTICS,INSTITUTE OF PHARMACY AND TECHNOLOGY,SALIPUR,CUTTACK,754202 CUTTACK -----</p> <p>11)Dr. SUJIT DASH Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOGNOSY, INSTITUTE OF PHARMACY & TECHNOLOGY, SALIPUR, CUTTACK-754202 CUTTACK -----</p> <p>12)Dr. PRABHAT KUMAR SAHOO Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, INSTITUTE OF PHARMACY & TECHNOLOGY, SALIPUR, CUTTACK--754202 SALIPUR -----</p>
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(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

(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 : 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 : Submicron and nanoscale doped or undoped silvernanoparticles

(51) International classification :B82Y0030000000, C08K0003080000, A61L0029160000, A61Q0017000000, A61K0033380000

(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

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(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 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

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(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 : CONTROLLING HAEMAPHYSALIS LONGICORNIS BASED ON REPELLENT CONTAINING PLANT OIL AND CHEMICAL COMPOUNDS

(51) International classification :A61K0036540000, A61K0008920000, C11B0009020000, B01D0011020000, A01N0065080000
 (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
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(57) Abstract :
 A method for controlling haemaphysalis longicornis based on repellent containing plant oil, wherein the method comprises: determining a components of the extract and essential oil of C. cassia; evaluating the larvicidal and nymphicidal activity; preparing the extracts and source of essential oil which is extracted from the essential oils on a minor scale by hydrodistillation; verifying the normality of residuals using the Shapiro- Wilk test, wherein determine the significance of the data of the biochemical analyses, wherein determine the significance of the percentage mortality of the non-target species; affecting the chemical composition of the extract and essential oil from C. cassia bark using plurality of factors including methods of extraction, wherein the different agroecological conditions during the growth and development of the plant; evaluating the acaricidal activity by the packet test for unfed larvae and nymphs of H. longicornis, wherein after the treatment of unfed larvae and nymphs of H. longicornis for 24 h. C. cassia essential oil, with values of 4.81 and 27.43 mg/mL; affecting the essential oil of C. cassia and (E)-cinnamaldehyde significantly with the activities of detoxification enzymes in ticks, including those of esterase and monooxygenase.

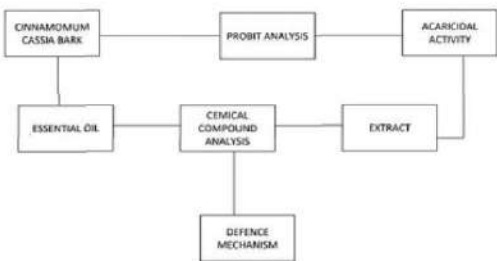


Figure 1

No. of Pages : 17 No. of Claims : 3

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 104 974

Bezeichnung:

Neue 3-Benzyliden-2-(4-substituiertes-Phenylsulfonyl)-7-substituiertes-
Isoindolin-1-on-Formulierung als potenzielles antituberkulöses Mittel

IPC:

A61K 31/4035

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02.09.2022

Tag der Eintragung:

23.09.2022

Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

München, 23.09.2022



(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
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(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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211054657 A

(19) INDIA

(22) Date of filing of Application :23/09/2022

(43) Publication Date : 30/09/2022

(54) Title of the invention : A COW DUNG BASED ANTI-RADIATION SHEET AND METHOD OF PREPARATION THEREOF

(51) International classification :A61Q0017040000, A23K0010000000, A01N0025100000, A61K0035240000, C10L0005420000

(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
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(57) Abstract :

The present invention relates to a cow dung based anti-radiation sheet comprising of cow dung; Litsea glutinosa bark; edible gum; Fuller's earth; and Kaolin. The present invention also relates to a method for preparation of a cow dung based anti-radiation sheet. the method comprising of adding cow dung, Litsea glutinosa bark and edible gum with water in a vessel; stirring with a mechanical stirrer to form a mixture; heating the mixture for 15-25 minutes to stabilize the mixture; cooling the mixture at room temperature; adding Fuller's earth and Kaolin in the mixture; centrifuging the mixture; keeping the mixture for 15-25 minutes at 15-20°C; rolling by a rolling pin to prepare a flat sheet; drying the sheet in an oven; and applying glue on the dried sheet to paste on a surface. Testing by galvanometer shows that the cow dung based anti-radiation sheet has optimum level of ingredients for superior anti-radiation activity.

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

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

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



ORIGINAL

मूल/No : 124911



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 372612-001
तारीख / Date : 15/10/2022
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **BLISTER PACKAGING MACHINE FOR PHARMACEUTICAL PURPOSE** से संबंधित है, का पंजीकरण, श्रेणी 15-10 में 1.Dr. S. Sivaprasad 2. Dr. Nihar Ranjan Kar 3.Dr.Rasapelly Ramesh Kumar 4.Alapati Sahithi के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

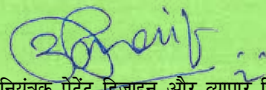
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-10 in respect of the application of such design to **BLISTER PACKAGING MACHINE FOR PHARMACEUTICAL PURPOSE** in the name of 1.Dr. S. Sivaprasad 2. Dr. Nihar Ranjan Kar 3.Dr.Rasapelly Ramesh Kumar 4.Alapati Sahithi.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

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निर्गमन की तारीख/Date of Issue : 12/01/2023


महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न
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पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

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

<p>(51) International classification :A61Q0007000000, A61B0017340000, A61Q0005000000, A61K0039395000, A61F0002100000</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)MR. PRAGATI RANJAN SATPATHY Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL ANALYSIS,SRI JAYADEV 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 JAYADEV COLLEGE OF PHARMACEUTICAL SCIENCES, NAHARKANTA, BHUBANESWAR-752101 BHUBANESWAR ----- 2)MADHU CHHANDA MISHRA Address of Applicant :ASSOCIATE PROFESSOR/DEPARTMENT OF PHARMACEUTICAL ANALYSIS/SRI JAYADEV COLLEGE OF PHARMACEUTICAL SCIENCES/NAHARKANTA, BHUBANESWAR/752101 BHUBANESWAR ----- 3)DR.ARJUN GOJE Address of Applicant :ASSOCIATE PROFESSOR/DEPARTMENT OF PHARMACEUTIS,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 -----</p>
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(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

(54) Title of the invention : A FORMULATION BASED ON PYRIDINE DERIVATIVE AND PREPARATION METHOD THEREOF

(51) International classification :A01N0043400000, C07D0495040000, C07D0215180000, A61K0031443900, C07D0401040000

(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

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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 : 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 Application Number :NA
 Filing Date :NA

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

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(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

(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

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(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 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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202231063326 A

(19) INDIA

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

(43) Publication Date : 11/11/2022

(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED SYSTEM IN CULTIVATION OF MICROBIAL STRAINS AND METHOD THEREOF

<p>(51) International classification :G06N0020000000, G16B0020000000, C12P0007647200, C12Q0001682700, G16B0040200000</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 Balangir -----</p> <p>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 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 Balangir -----</p> <p>2)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 Balangir -----</p> <p>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 Khordha -----</p> <p>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 Khordha -----</p> <p>5)Dr.Alok Ranjan Sahu Address of Applicant :Assistant Professor in Botany, Vikash Degree College, Barahaguda Canal Chowk, Bargarh, Odisha, India. Pin Code:768040 Bargarh -----</p> <p>6)Dr.Kalpita Bhatta Address of Applicant :Assistant Professor, Department of Botany, School of Applied Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:752050 Khordha -----</p> <p>7)Mrs.Annanya Gangopadhyay Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Odisha, India. Pin Code:756044 Balasore -----</p> <p>8)Mr.Nageswar Panda Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Odisha, India. Pin code:756044 Balasore -----</p> <p>9)Mr.Abhisek Sahu Address of Applicant :Assistant Professor, Pharmacognosy Department, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:752050 Khordha -----</p>
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(57) Abstract :

[026] The present invention discloses an Artificial intelligence and Machine Learning based system in cultivation of microbial strains and method thereof. In the present invention, supplying a parental lineage microbial strain and a production microbial strain derived through an artificial intelligence interface, where the latter exhibits certain recognised genetic alterations by using machine learning, such as single nucleotide polymorphisms, DNA insertions, and DNA deletions, which are missing from the former. Further, creating an initial library of microbial strains by altering the genome of either the production microbial strain or the parental lineage microbial strain, and each strain in the initial library contains a different genetic variation from the range of genetic differences between the two strains that have been identified. Accompanied Drawing [FIGS. 1-2]

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

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(21) Application No.202231063610 A

(19) INDIA

(22) Date of filing of Application :08/11/2022

(43) Publication Date : 11/11/2022

(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 ---- ----- 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 Name of Applicant : NA Address of Applicant : NA (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 ----- 2)SAHOO, Rudra Narayan Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar ----- 3)PATTNAIK, Gurudutta Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar ----- 4)KANHAR, Satish Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar ----- 5)PANDA, Brajabihari Address of Applicant :School of Pharmaceutical Sciences, Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar 751003, Odisha, India Bhubaneswar ----- 6)SAMANTARAY, Biswajit Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar ----- 7)ROUT, Sagar Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar ----- 8)PANDA, Himansu Sekhor Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar ----- 9)BISWAL, Snehanjana Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar ----- 10)SAHOO, Smruti Smaranika Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar ----- 11)PRIYANKA, Kumari Address of Applicant :School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar 752050, Odisha, India Bhubaneswar ----- 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 : 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
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(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 : 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

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(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 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

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(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 : 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 : Nano-Drug Delivery System of Anti-Cancer drug and Method thereof

(51) International classification :A61P0035000000, A61P0043000000, A61K0009510000, A61K0045060000, 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

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(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 : Novel nano formulations-based drugs for enhanced bioavailability

(51) International classification :A61K0009510000, A61K0009100000, A61K0036160000, A61K0036258000, A61K0009000000

(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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(57) Abstract :

The present invention reveals novel highly bioavailable, water soluble, sustained release nanoformulation(s) comprising unique proportions of hydrophobic plant-derived compound(s) in an emulsifier phase and an aqueous phase to achieve the desired sustained release over a time period of at least 24 hours and possibly longer. The procedure for preparing such unique water-soluble, highly bioavailable, and sustained-release nanoformulation thereof is also disclosed by the present invention.

No. of Pages : 25 No. of Claims : 4

(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE BASED 3D PRINTED MEDICINES FOR EFFECTIVE TREATMENT OF PATIENTS AND METHOD THEREOF

(51) International classification :B33Y0050020000, B33Y0080000000, B33Y0010000000, B33Y0030000000, G16H0020100000

(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
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(57) Abstract :
 The present invention discloses an Artificial Intelligence based 3D printed medicines for effective treatment of patients and method thereof. In the present invention, obtaining prescription dosage guidelines, creating a customised dose in accordance with the prescription dose guidelines, and building the customised dose using a 3D printer. Furthermore, including a signal connecting unit to allow communication between the 3D printer and the container holding the medication component, by adding binder to powder material to create increasingly bound bodies—which correspond to sectional data blocks made by slicing an original item with parallel planes—a three-dimensional product is created. Accompanied Drawing [FIGS. 1-2]

No. of Pages : 16 No. of Claims : 8

(54) Title of the invention : AI BASED INTERVENTIONS FOR DEVELOPING STABILITY INDICATING METHOD AND VALIDATION OF ANTI-CANCER DRUG USING RP-HPLC METHOD

<p>(51) International classification :G01N0030060000, A61K0031546000, A61K0031703600, G01N0030020000, A61P0025220000</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. ALAGARRAJA Address of Applicant :Principal& Professor Department of Pharmaceutical Analysis, United College of Pharmacy, Combatore, Tamilnadu--641020, India. Combatore -----</p> <p>2)MADHUCHHANDA MISHRA 3)Dr. AMRIT KUMAR RATH 4)Dr. DURGA PANIKUMAR ANUMOLU 5)Dr. SYEDA SAMEENA AZIZ 6)NOORUNNISA BEGUM 7)Dr. NITYANANDA SAHOO 8)M. REENA SHARMA 9)Dr. RAMA PRASAD PADHY 10)PRAGATI RANJAN SATPATHY</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. M. ALAGARRAJA Address of Applicant :Principal& Professor Department of Pharmaceutical Analysis, United College of Pharmacy, Combatore, Tamilnadu--641020, India. Combatore -----</p> <p>2)MADHUCHHANDA MISHRA Address of Applicant :Associate Professor Department Of Pharmaceutical Analysis Sri Jayadev College of Pharmaceutical Sciences, Naharkanta, Bhubaneswar. Bhubaneswar, Odisha-752101, India. Bhubaneswar -----</p> <p>3)Dr. AMRIT KUMAR RATH Address of Applicant :Associate Professor, Department of Pharmaceutical Analysis and Quality Assurance, Danteswari College of Pharmacy, Jagdalpur, Chhattisgarh--494221, India Jagdalpur -----</p> <p>4)Dr. DURGA PANIKUMAR ANUMOLU Address of Applicant :Associate Professor& HOD, Department Of Pharmaceutical Analysis, Gokaraju Rangaraju College Of Pharmacy Osmania University, Hyderabad-500090, Telangana. Hyderabad -----</p> <p>5)Dr. SYEDA SAMEENA AZIZ Address of Applicant :Associate Professor, Department of Pharmaceutical Chemistry, Anwarul Uloom College of Pharmacy, New Mallepally, Hyderabad, Telangana-500001, India. Hyderabad -----</p> <p>6)NOORUNNISA BEGUM Address of Applicant :AssistantProfessor, Department of Pharmaceutical Chemistry, Anwarul Uloom College of Pharmacy, New Mallepally, Hyderabad, Telangana-500001, India. Hyderabad -----</p> <p>7)Dr. NITYANANDA SAHOO Address of Applicant :Principal &Professor, Department of Pharmaceutical Chemistry, School of Pharmacy, Centurion University of Technology and Management, Gopalpur, Balasore, Odisha-756044.India. Balasore -----</p> <p>8)M. REENA SHARMA Address of Applicant :Assistant Professor, Department of Pharmaceutical Chemistry, Ravishankar College of Pharmacy, Bhopal,Madhyapradesh-462010, India. Bhopal -----</p> <p>9)Dr. RAMA PRASAD PADHY Address of Applicant :Professor cum Vice-Principal, Department Of Pharmaceutical Chemistry, Danteswari College of Pharmacy, Jagdalpur, Chhattisgarh-494221 India, Jagdalpur -----</p> <p>10)PRAGATI RANJAN SATPATHY Address of Applicant :Associate Professor, Department Of Pharmaceutical Analysis Sri Jayadev College of Pharmaceutical Sciences, Naharkanta, Bhubaneswar. Bhubaneswar-752101, Odisha, India. Bhubaneswar -----</p>
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(57) Abstract :

A simple, accurate, isocratic stability indicating RP-HPLC method was developed for the determination of cefepime and amikacin in Pure and its pharmaceutical formulations. The method consists of methanol: acetonitrile:acetate buffer 75:20:05 (v/v) mobile phase at pH 5.1 with C18 column as stationary phase. The flow rate and detection wave length were 1.0 mL/min and 212 nm respectively. The linearity range for the method was found to be 2.5-25 µg/mL for amikacin and 10-100 µg/mL cefepime respectively. The developed method was validated as per ICH guidelines and the results of all the validation parameters were well within their acceptance values. Also the forced degradation studies were conducted with standard drugs. Degradation products formed during the different stress conditions were separated from both drugs. This validated method was applied for the simultaneous estimation of cefepime and amikacin in commercially available formulation sample.

No. of Pages : 9 No. of Claims : 7

(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

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(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

(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

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(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

(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
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(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 : 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
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(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

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

(51) International classification :G06N0020000000, G06Q0010000000, G06K0009620000, 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

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(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

(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

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

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(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

(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

(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
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(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
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(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

(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 3)Dr.Gurudutta Pattnaik 4)Dr.Md Sajid Ali 5)Dr.Nawazish Alam 6)Dr.Sarfraz Ahmad 7)Dr.Ranjan Kumar Mohapatra 8)Dr.Sovan Pattanaik 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 : NANO-BASED DRUG DELIVERY SYSTEMS: RECENT DEVELOPMENTS AND FUTURE PROSPECTS

(51) International classification :A61K0047690000, A61P0035000000, A61K0039000000, A61K0009510000, C12N0015110000

(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

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(57) Abstract :
 Nanomedicine and nano delivery systems are a relatively new but rapidly developing science where materials in the nanoscale range are employed to serve as means of diagnostic tools or to deliver therapeutic agents to specifically targeted sites in a controlled manner. Nanotechnology offers multiple benefits in treating chronic human diseases through site-specific, and target-oriented delivery of precise medicines. Recently, there are a number of outstanding applications of nanomedicine (chemotherapeutic agents, biological agents, immunotherapeutic agents, etc.) in the treatment of various diseases. The current review presents an updated summary of recent advances in the field of nanomedicines and nano-based drug delivery systems through comprehensive scrutiny of the discovery and application of nanomaterials in improving both the efficacy of novel and old drugs (e.g., natural products) and selective diagnosis through disease marker molecules. The opportunities and challenges of nanomedicines in drug delivery from synthetic/natural sources to their clinical applications are also discussed. In addition, we have included information regarding the trends and perspectives in the nanomedicine area.

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

(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

(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
Filing Date :NA

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

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(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 : 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 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

(54) Title of the invention : A hybrid nanosensor based on novel fluorescent iron oxide nanoparticles for highly selective determination of Hg²⁺ ions in environmental samples

(51) International classification :B82Y0030000000, G01N0021640000, G01N0021770000, C02F0101200000, G01N0033180000
 (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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(57) Abstract :

The present disclosure describes composite materials that have a mesoflower structure, techniques for producing the composite material, and methods for detecting heavy metal ions using the composite material. A silica-coated gold mesoflower with a layer of silver quantum clusters may be capable of detecting Hg²⁺ ions in a sample at concentrations as low as zeptomolar in accordance with some implementations of the concept.

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

(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//
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(87) International Publication No : NA

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

(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
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 (62) Divisional to Application Number :NA
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(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 Application Number :NA
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(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.202241073279 A

(19) INDIA

(22) Date of filing of Application :17/12/2022

(43) Publication Date : 30/12/2022

(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 Application Number :NA
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(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 : A NOVEL APPROACH TO PREDICT THE EFFECTS OF CLIMATE CONDITIONS AND THE PREVENTION OF CARDIOVASCULAR DISEASE

(51) International classification :A61P0009000000, A61P0009100000, G06N0020000000, A61P0009040000, G06N0005040000

(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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(62) Divisional to Application Number :NA
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(57) Abstract :
 1. A novel approach to predict the effects of climate conditions and the prevention of cardiovascular disease comprises of Artificial intelligence unit; Classification unit; Predictive unit and Display unit. 2. A novel approach to predict the effects of climate conditions and the prevention of cardiovascular disease, according to claim 1, includes an artificial intelligence unit, wherein the artificial intelligence unit will analyse their data from climatic conditions as well as cardiovascular disease patients to arrive at conclusions. 3. A novel approach to predict the effects of climate conditions and the prevention of cardiovascular disease, according to claim 1, includes a predictive unit, wherein the predictive unit will predict the level of inter-dependence between climatic conditions and cardiovascular diseases. 4. A novel approach to predict the effects of climate conditions and the prevention of cardiovascular disease, according to claim 1, includes a display unit, wherein the display unit will display the results of prediction unit. 5. A novel approach to predict the effects of climate conditions and the prevention of cardiovascular disease, according to claim 1, includes a classification unit, wherein the classification unit will classify the patients according to the impact the climatic condition has on them.

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

(54) Title of the invention : A SYSTEM FOR EARLY-STAGE DISEASE DETECTION AND HIGH-RISK PATIENT IDENTIFICATION AND WORKING METHOD THEREOF

(51) International classification :G16H0010600000, G16H0040670000, A61B0005000000, G16H0010650000, G06F0021310000
 (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
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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 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

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(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 : 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 tare 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//
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

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(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 : IMPLEMENTATION OF TECHNIQUES TO UNDERSTAND THE IMPACT OF NANO DELIVERY SYSTEMS IN THE TREATMENT OF CARDIOVASCULAR DISEASES

(51) International classification :A61P000900000, A61B0005145000, A61P0035000000, A61P0009100000, A61B0006000000
(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

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(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

(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
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Filing Date :NA

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(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

(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 ----- 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 (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 ----- 2)Dr.G.VENKATA SUBBAIAH Address of Applicant :ACADEMIC CONSULTANT ZOOLOGY DEPARTMENT SRI VENKATESWARA UNIVERSITY TIRUPATI ----- 3)Mrs. MEENAKSHI JAISWAL Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACY, GURU GHASIDAS CENTRAL UNIVERSITY, KONI, BILASPUR - 495009, CHHATTISGARH, INDIA BILASPUR ----- 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 ----- 5)Dr IRUMJAHAN NAZIR KHAN Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ZOOLOGY, SADGURU GADAGE MAHARAJ COLLEGE KARAD, VIDYANAGAR, KARAD, 415124. KARAD ----- 6)SNEHA DILIP TIPUGADE Address of Applicant :LECTURER, S D PATIL COLLEGE OF PHARMACY, URUN, ISLAMPUR 415409 ISLAMPUR ----- 7)Dr K NITHYA Address of Applicant :PROFESSOR SHRI INDRA GANESAN INSTITUTE OF MEDICAL SCIENCE, COLLEGE OF PHARMACY, MANIKANDAM, TRICHY. TRICHY ----- 8)ANANT SANJAYRAO DESHPANDE Address of Applicant :CHINTAMANI COLLEGE OF SCIENCE, POMBHURNA, DIST. CHANDRAPUR, M.S. 442918 POMBHURNA ----- 9)PUSHPENDRA KUMAR KURRE Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF PHARMACY SHRI RAWATPURA SARKAR UNIVERSITY RAIPUR CHHATTISGARH PIN-492015 RAIPUR ----- 10)MOHD ASIF SHAH Address of Applicant :ADJUNCT FACULTY, SCHOOL OF BUSINESS, WOXSEN UNIVERSITY, KAMKOLE, SADASIVPET, HYDERABAD, TELANGANA, 502345, INDIA. HYDERABAD ----- 11)Mrs. ANIMA JENA Address of Applicant :ASSISTANT PROFESSOR DEPARTMENT OF PHARMACOGENOSY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT,GOPALPUR BALASORE ODISHA, 756044 BALASORE ----- 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



ORIGINAL

मूल/No : 136294



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THE PATENT OFFICE
डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 380262-001
तारीख / Date : 27/02/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **DIGIHALER** से संबंधित है, का पंजीकरण, श्रेणी **24-02** में 1.Dr.Ashish Kumar Sarangi 2. Dr.Rudra Narayan Sahoo 3.Mr.Himansu Bhusan Samal 4.Dr.Kalpita Bhatta के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

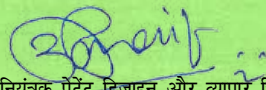
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **24-02** in respect of the application of such design to **DIGIHALER** in the name of 1.Dr.Ashish Kumar Sarangi 2. Dr.Rudra Narayan Sahoo 3.Mr.Himansu Bhusan Samal 4.Dr.Kalpita Bhatta.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

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निर्गमन की तारीख/Date of Issue : 17/05/2023


महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न
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पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

(54) Title of the invention : ULTRAVIOLET SPECTROPHOTOMETRIC METHOD FOR THE ESTIMATION OF TRIMETHOPRIM IN TABLETS

<p>(51) International classification :G01N0021330000, G16B0040000000, H04N0019593000, C12Q0001680000, G06F0001260000</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)Chitranjan Nayak Address of Applicant :Asst. Professor, Raigarh College Of Pharmacy, Village – Kotrapali, Post – Jurda, Dist- Raigarh, Chhattisgarh, 496001, India -----</p> <p>----</p> <p>2)KM Nandini 3)Jay Kumar Chandra 4)Mr Dharmendra Pradhan 5)Akanksha Sa 6)Abharani 7)Mr. Jaising Toppo Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Chitranjan Nayak Address of Applicant :Asst. Professor, Raigarh College Of Pharmacy, Village – Kotrapali, Post – Jurda, Dist- Raigarh, Chhattisgarh, 496001, India -----</p> <p>----</p> <p>2)KM Nandini Address of Applicant :Asst. Professor, Raigarh College Of Pharmacy, Village – Kotrapali, Post – Jurda, Dist- Raigarh, Chhattisgarh, 496001, India -----</p> <p>----</p> <p>3)Jay Kumar Chandra Address of Applicant :Asst. Professor, Raigarh College Of Pharmacy, Village – Kotrapali, Post – Jurda, Dist- Raigarh, Chhattisgarh, 496001, India -----</p> <p>----</p> <p>4)Mr Dharmendra Pradhan Address of Applicant :Assistant Professor, Centurion University of Technology and Management, Balangir Campus, Behind BSNL office, IDCO land, Rajib Nagar, Balangir, 767001 Odisha, India -----</p> <p>5)Akanksha Sa Address of Applicant :Asst. Professor, Raigarh College Of Pharmacy, Village – Kotrapali, Post – Jurda, Dist- Raigarh, Chhattisgarh, 496001, India -----</p> <p>----</p> <p>6)Abharani Address of Applicant :Raigarh College of Education (Pharmacy) Siyarpali, Raigarh, Chhattisgarh, 496001, India -----</p> <p>7)Mr. Jaising Toppo Address of Applicant :Asst. Professor, Raigarh College Of Pharmacy, Village – Kotrapali, Post – Jurda, Dist- Raigarh, Chhattisgarh, 496001, India -----</p> <p>----</p>
---	--

(57) Abstract :

Computer implemented method for estimating drug concentration at very low concentration in nanogram level with high confidence interval are needed. The present invention provides system and computer implemented method for estimating trimethoprim using ultraviolet spectrophotometry comprising a computing device for transmitting, receiving or storing absorbance v/s concentration data in to a processor, a user screen interface for information and result displays, the absorbance v/s concentration data are further analyzed and compared with the standards values previously set and predictions based on above data for unknown data (lower concentration in nano gram range) feed are displayed in the user screen interface.

No. of Pages : 10 No. of Claims : 2



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6264907

Grant date: 07 March 2023

Registration date: 28 February 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Mr. Brijesh Kumar Saroj, Mr. Mohammad Muztaba, Ms. Sarita Verma, Dr. R.

Rajagopalan, Dr. Farhad F Mehta, Dr. Bhuwanendra Singh , Mrs. Mughisa

Nagori, Dr. Akhilesh Patel, Mr. Mohammad Haneef, Dr. Nihar Ranjan Kar

in respect of the application of such design to:

GLASS APPARATUS FOR SEPARATING PARTICLES FROM

PHARMACEUTICAL NANOSUSPENSION

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 02 MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR LABORATORY USE

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.





INTELLECTUAL PROPERTY INDIA PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No. : 381334-001

तारीख / Date : 12/03/2023

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो TRANSDERMAL ALCOHOL MONITORING DEVICE से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Dharmendra Ahuja 2. Hemlata Rathore 3.Ankit Kumar 4.Shmriti 5.Dr. Nihar Ranjan Kar 6.Ms. Linda Xavier 7.Mr. Abhijit Gupta के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to TRANSDERMAL ALCOHOL MONITORING DEVICE in the name of 1.Dr. Dharmendra Ahuja 2. Hemlata Rathore 3.Ankit Kumar 4.Shmriti 5.Dr. Nihar Ranjan Kar 6.Ms. Linda Xavier 7.Mr. Abhijit Gupta.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 01/06/2023 Date of Issue



Handwritten signature

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

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

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(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 : A METHOD OF MAKING AND USING COMPOSITIONS OF METAL NANOPARTICLES FORMED BY GREEN CHEMISTRY SYNTHETIC TECHNIQUES

<p>(51) International classification :B82Y 300000, B82Y 400000, C08F 930000, C09D 050800, H01M 100525</p> <p>(86) International Application No :PCT//</p> <p>Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Mr. Govindarao Yedlapalli Address of Applicant :Associate Professor, Department of Pharmaceutical Analysis & Quality Assurance, Siddhartha Institute of Pharmaceutical Sciences, Guntur road, Jonnalagadda, Narasaraopet Mandal, Guntur - 522601, Andhra Pradesh, India. -----</p> <p>2)Ms. Saloni Sharma</p> <p>3)Mr. Gyanendra Kumar Saxena</p> <p>4)Ms. Pratibha Kumari</p> <p>5)Mrs. Padmasri Budumuru</p> <p>6)Mrs Usha Singh</p> <p>7)Dr. Avneet Gupta</p> <p>8)Ms. Rasmita Jena</p> <p>9)Mrs. Nemalapalli Yamini</p> <p>10)Mr. Wake Chandrashekhar Bhausaheb</p> <p>11)Dr. Sandeep Gupta</p> <p>12)Dr.P.Balaji</p> <p>Name of Applicant : NA</p> <p>Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Mr. Govindarao Yedlapalli Address of Applicant :Associate Professor, Department of Pharmaceutical Analysis & Quality Assurance, Siddhartha Institute of Pharmaceutical Sciences, Guntur road, Jonnalagadda, Narasaraopet Mandal, Guntur - 522601, Andhra Pradesh, India. -----</p> <p>2)Ms. Saloni Sharma Address of Applicant :Ph.D. Research Scholar JSS College of Pharmacy, Ooty -----</p> <p>3)Mr. Gyanendra Kumar Saxena Address of Applicant :Principal, Maharana Pratap College of Pharmacy and Paramedical Sciences, Kanpur, Uttar Pradesh, India -----</p> <p>4)Ms. Pratibha Kumari Address of Applicant :Research Scholar/Assistant Professor, Department of Pharmacy, School of Medical and Allied Sciences Galgotias University, Plot No. 2, Sector -17A, Yamuna Expressway, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh, India. Pin Code- 201310 -----</p> <p>5)Mrs. Padmasri Budumuru Address of Applicant :Associate Professor, Department of Pharmaceutical Technology Sri Venkateswara College of Pharmacy, Srikakulam, Andhra Pradesh, India -----</p> <p>6)Mrs Usha Singh Address of Applicant :Assistant Professor BIT Partapur, Meerut B-70 Police Enclave Lohiya Nagar Meerut, Uttar Pradesh, India. -----</p> <p>7)Dr. Avneet Gupta Address of Applicant :Professor, Shiva Institute of Pharmacy, Chandpur, Bilaspur, Himachal Pradesh, India ---</p> <p>8)Ms. Rasmita Jena Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences Centurion University of Technology and Management, Ramachandrapur, Jatani, Bhubaneswar, Khordha, Odisha, 752050 -----</p> <p>9)Mrs. Nemalapalli Yamini Address of Applicant :Assistant Professor (Adhoc), Department of Pharmacology JNTUA OTPRI Jawaharlal Nehru Technological University, Anantapur, Andhra Pradesh,515001 -----</p> <p>10)Mr. Wake Chandrashekhar Bhausaheb Address of Applicant :Student, Dr. Kolpe Institute of Pharmacy, Kolpewadi, Kopargaon, Ahmednagar, Maharashtra, India -----</p> <p>11)Dr. Sandeep Gupta Address of Applicant :Principal, Tagore Institute of Pharmacy and Research, Turkadih Bypass Road, Sakri, Bilaspur, Chattisgarh 495001 India. -----</p> <p>12)Dr.P.Balaji Address of Applicant :Professor, Department of Pharmacology, School of Pharmaceutical Sciences, Vels Institute of Science, Technology & Advanced Studies (VISTAS), Pallavaram, Chengalpattu, Chennai -600 117. -----</p>
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(57) Abstract :

A METHOD OF MAKING AND USING COMPOSITIONS OF METAL NANOPARTICLES FORMED BY GREEN CHEMISTRY SYNTHETIC TECHNIQUES Porous non-zeolitic carrier particles supporting metal halide within the pores of said carrier particles, wherein the average pore size of the carrier particles is greater than. Surface-modified metal nanoparticles comprising a metal core and a coating layer. The coating layer comprising at least one ligand bound to the surface of the metal core and conjugated to polyethylene glycol, wherein at least one ligand is selected from the group consisting of free n-acetyl cysteine, albumin, and free cysteine. The plant extract is selected from the group consisting of tea extract, green tea extract, coffee extract, lemon balm extract, sorghum bran, sorghum bran extract, and polyphenolic flavonoid. Adding at least one ligand conjugated to polyethylene glycol to a mixture comprising metal nanoparticles. The at least one ligand binds to the surface of at least one metal nanoparticle core, yielding a surface-modified metal nanoparticle, wherein the ligand is selected from the group consisting of free n-acetyl cysteine.

No. of Pages : 16 No. of Claims : 1

(54) Title of the invention : AUTOLOGOUS PLATELET RICH PLASMA (PRGF) PRESERVES GENOMIC STABILITY OF GINGIVAL FIBROBLASTS AND ALVEOLAR OSTEOBLASTS AFTER LONG-TERM CELL CULTURE

(51) International classification :A61K 351600, A61K 351900, A61P 170000, A61P 170200, A61P 190200
 (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

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5)Saahil Mehmood

6)Souvik Giri

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8)Debasis Patra

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(57) Abstract :

ABSTRACT AUTOLOGOUS PLATELET RICH PLASMA (PRGF) PRESERVES GENOMIC STABILITY OF GINGIVAL FIBROBLASTS AND ALVEOLAR OSTEOBLASTS AFTER LONG-TERM CELL CULTURE Plasma rich in growth factors (PRGF) has several applications in dentistry that may require repeated applications of PRGF. Furthermore, it has been used for ex vivo expansion of human origin cells for their clinical application. One of the most relevant issues in these applications is to guarantee the genetic stability of cells. In this study, the chromosomal stability of gingival fibroblasts and alveolar osteoblasts after long-term culture was evaluated. Cells were expanded with PRGF or foetal bovine serum (FBS) as a culture medium supplement until passage 7 or 8 for gingival fibroblast or alveolar osteoblasts, respectively. A comparative genomic hybridization (CGH) array was used for the genetic stability study. This analysis was performed at passage 3 and after long-term culture with the corresponding culture medium supplements. The cell proliferative rate was superior after PRGF culture. Array CGH analysis of cells maintained with all the three supplements did not reveal the existence of alterations in copy number or genetic instability. The autologous PRGF technology preserves the genomic stability of cells and emerges as a safe substitute for FBS as a culture medium supplement for the clinical translation of cell therapy.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341016847 A

(19) INDIA

(22) Date of filing of Application :14/03/2023

(43) Publication Date : 24/03/2023

(54) Title of the invention : A method and system for efficient removal of toxic metals using functionalized adsorbents

(51) International classification :B01D 530400, B01D 536400, C02F 012000, C02F 012800, C08F 081200
(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

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(57) Abstract :

This invention relates to a method and system for efficient removal of toxic metals using functionalized adsorbents. The method involves the use of functionalized adsorbents for the removal of toxic metals from wastewater. The system comprises a reactor vessel containing the functionalized adsorbents and a pump for the circulation of wastewater through the reactor vessel. The functionalized adsorbents have high adsorption capacity for toxic metals and can be easily regenerated for reuse. The advantages of this invention include high removal efficiency, low operating cost, and easy regeneration of the adsorbents. The system and method can be used for the treatment of various types of waste water containing toxic metals.

No. of Pages : 19 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:

Dr.Ashish Kumar Sarangi; Dr.Rudra Narayan Sahoo; Dr.Gurudutta Pattnaik; Dr.Md Sajid Ali; Dr.Nawazish Alam; Dr.Sarfaraz Ahmad; Dr.Ranjan Kumar Mohapatra; Dr.Sovan Pattanaik

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

2023/01070

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 29th day of March 2023


.....
Registrar of Patents



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341017993 A

(19) INDIA

(22) Date of filing of Application :16/03/2023

(43) Publication Date : 31/03/2023

(54) Title of the invention : Formulation and Evaluation of Herbal Handwash with potential Anti- Bacterial Action

<p>(51) International classification :A01N 250800, A61K 084000, A61K 089000, A61Q 170000, C11D 015200</p> <p>(86) International Application No :PCT//</p> <p>Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. Sandhya S Address of Applicant :Professor and Head, Department of Pharmacology, PSM College of Dental Science and Research, Akkikavu, Thrissur, Kerala, India-680519 -----</p> <p>2)Mr. Raju Darla 3)Dr. Kiran Kumar 4)Dr. Anoop Kumar N 5)Ms. Rupali Sontakke 6)Ms. Rasmita Jena 7)Professor Shital Vijay Sirsat 8)Mr. Rajat 9)Ms. Shivani Sharma 10)Professor Trupti B Kale 11)Professor Jyoti Bhushan Khedekar 12)Satyabrata Jena Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr. Sandhya S Address of Applicant :Professor and Head, Department of Pharmacology, PSM College of Dental Science and Research, Akkikavu, Thrissur, Kerala, India-680519 -----</p> <p>2)Mr. Raju Darla Address of Applicant :Associate Professor, Department of Pharmacognosy and Phytochemistry, Joginpally B R Pharmacy College, Bhaskar Nagar, Amdhapur X- Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 -----</p> <p>3)Dr. Kiran Kumar Address of Applicant :Associate Professor, Department of Pharmaceutics, Calcutta Institute of Pharmaceutical Technology and Allied Health Sciences, Banitabla, Uluberia, Howrah, West Bengal, India-711316 -----</p> <p>4)Dr. Anoop Kumar N Address of Applicant :Associate Professor, School of Family Health Studies, Kerala University of Health Sciences, Thrissur, Kerala 680596, Adjunct Faculty, Department of Oral Pathology, Saveetha Dental College and Hospitals, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Chennai, Tamil Nadu, India-600077 -----</p> <p>5)Ms. Rupali Sontakke Address of Applicant :Assistant Professor, Department of Pharmacognosy, Faculty of Pharmacy, Medi-Caps University, Indore, AB Road Pigdamber, Indore, Madhya Pradesh, India, 453331 -----</p> <p>6)Ms. Rasmita Jena Address of Applicant :Assistant Professor, Faculty of Pharmacy, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Bhubaneswar, Odisha, India-752050 -----</p> <p>7)Professor Shital Vijay Sirsat Address of Applicant :Associate Professor, Department of Pharmaceutics, Shri Sant Gajanan Maharaj College of Pharmacy, Buldana, Near Palnagarh, Sagwan Road, At, Post Buldhana, Buldhana, Maharashtra, India, 443001 -----</p> <p>8)Mr. Rajat Address of Applicant :Associate Professor Cum Research Scholar, College of Pharmacy, RIMT University, Mandi Gobindgarh, Fatehgarh Sahib, Punjab, India-147301 -----</p> <p>9)Ms. Shivani Sharma Address of Applicant :Assistant Professor Cum Research Scholar, College of Pharmacy, RIMT University, Mandi Gobindgarh, Fatehgarh Sahib, Punjab, India-147301 -----</p> <p>10)Professor Trupti B Kale Address of Applicant :Assistant Professor, Department of Pharmaceutics, Shri Sant Gajanan Maharaj College of Pharmacy, Buldhana, Near Palna Ghar, Sagwan Road Buldhana, Maharashtra, India-443001 -----</p> <p>11)Professor Jyoti Bhushan Khedekar Address of Applicant :Assistant Professor, Department of Pharmaceutics, Shri Sant Gajanan Maharaj College of Pharmacy, Buldana, Near Palna Ghar, Sagwan Road, Buldana, Maharashtra, India-443001 -----</p> <p>12)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>
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(57) Abstract :

The main method of spreading diseases and germs is through the hands. In addition to being crucial for food preparation and serving, hand washing is also necessary in households, daycare facilities, and healthcare settings. The goal of the current study was to compare the antibacterial effectiveness of many herbal oils, including lavender, eucalyptus, and cinnamon. It was discovered that cinnamon oil had superior antibacterial action. The formulation and evaluation of a poly herbal hand wash gel containing *Azadirachta indica*, *Ocimum sanctum*, and citrus limon extracts were also the subjects of investigation.

No. of Pages : 9 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/03/2023

(21) Application No.202341017994 A
(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

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(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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341022644 A

(19) INDIA

(22) Date of filing of Application :28/03/2023

(43) Publication Date : 07/04/2023

(54) Title of the invention : Novel process of Antioxidant and Phenolic content property of Lantana Camara

<p>(51) International classification :A01H 050200, A01N 650000, A23K 201050, A61K 368500, C08K 051300</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)Mrs.P. Udaya Chandrika Address of Applicant :Associate Professor, Department of Pharmacognosy, Bhaskar Pharmacy College, Bhaskar Nagar, Amdhapur X- Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 ----- 2)Dr.Somnath De 3)G. Sudha Rani 4)Madhabi Priyadarshini Behera 5)Satyabrata Jena 6)Mrs. K. Sumalatha 7)Shipra Thapar 8)Mrs. Annanya Gangopadhyay 9)Dr. Anoop Kumar N 10)Rahul Kumar Shaw 11)Dr. Sandhya S 12)Sapna Keshri Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Mrs.P. Udaya Chandrika Address of Applicant :Associate Professor, Department of Pharmacognosy, Bhaskar Pharmacy College, Bhaskar Nagar, Amdhapur X- Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 ----- 2)Dr.Somnath De Address of Applicant :Professor, Department of Pharmacology, St.Pauls College of Pharmacy, Turkayamjal (V), Abdullapurmet (M), Ranga Reddy District, Hyderabad, Telangana, India-501510 ----- 3)G. Sudha Rani Address of Applicant :Assistant 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 ----- 4)Madhabi Priyadarshini Behera Address of Applicant :Assistant Professor, Department of Pharmaceutics, Dhanvantari College of Pharmacy, Munnapatra, Chakla, Ormanjhi, Ranchi, Jharkhand, India- 835219 ----- 5)Satyabrata Jena Address of Applicant :Associate Professor, Department of Pharmacognosy, Bhaskar Pharmacy College, Bhaskar Nagar, Amdhapur X- Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 ----- 6)Mrs. K. Sumalatha Address of Applicant :Associate Professor, Department of Pharmacognosy, Bhaskar Pharmacy College, Bhaskar Nagar, Amdhapur X- Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 ----- 7)Shipra Thapar Address of Applicant :Associate Professor, Department of Pharmaceutical Chemistry, School of Pharmaceutical Sciences, CT University, Ferozepur Road, Sidhankhurd, Punjab, India-142024 ----- 8)Mrs. Annanya Gangopadhyay Address of Applicant :Assistant Professor, School of Pharmacy, Centurion University of Technology and Management, Odisha, India, 756044 ----- 9)Dr. Anoop Kumar N Address of Applicant :Associate Professor, School of Family Health Studies, Kerala University of Health Sciences, Thrissur, Kerala 680596, Adjunct Faculty, Department of Oral Pathology, Saveetha Dental College and Hospitals, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Chennai, Tamil Nadu, India 600077 ----- 10)Rahul Kumar Shaw Address of Applicant :Assistant Professor, Department of Pharmaceutics, Dhanvantari College of Pharmacy, Munnapatra, Chakla, Ormanjhi, Ranchi, Jharkhand, India- 835219 ----- 11)Dr. Sandhya S Address of Applicant :Professor and Head, Department of Pharmacology, PSM College of Dental Science and Research, Akkikavu, Thrissur, Kerala, India-680519 ----- 12)Sapna Keshri Address of Applicant :Assistant Professor, Department of Pharmacology, Jharkhand Rai University, Raja Ulatu, Namkum, Ranchi, Jharkhand, India- 834010 -----</p>
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(57) Abstract :
The industry is increasingly interested in replacing synthetic products with natural ones that have bioactive qualities. The invention relates to analyse the phenolic components and antioxidant properties of Lantana camara phytochemically. For the examination of the phenolic compounds, Folin-Ciocalteu and aluminium chloride techniques were employed to check greater quantities in the extracts of the leaves. By using HPLC-DAD, phenolic chemicals are identified and measured. In comparison to the root extracts, the ethanolic extracts showed more antioxidant activity, recording significant activities in TBARS and FRAP. The potential use of L. camara for the treatment of numerous ailments due to its capacity to act as an antioxidant.

No. of Pages : 9 No. of Claims : 2

(54) Title of the invention : Nanofluidic delivery system for targeted drug delivery

(51) International classification :A61K 9/00
 (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

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(57) Abstract :

This invention relates to a nanofluidic delivery system for targeted drug delivery. The system includes a substrate with a plurality of nanochannels, which are functionalized to selectively transport a drug or biomolecule of interest. The nanochannels have a diameter of less than 100 nanometers and can be made of various materials such as silicon, glass, plastic, or metal. The system can be used in various applications, including ophthalmic drug delivery, oral drug delivery, intravenous drug delivery, implantable biosensors, wound healing dressings, transdermal patches, microfluidic lab-on-a-chip devices, agriculture applications, veterinary medicine, and cosmetics. Additionally, the system can be functionalized with ligands or antibodies to selectively transport specific biomolecules or cell types. The invention also includes methods of using the nanofluidic delivery system, drug delivery devices comprising the system, and diagnostic tools utilizing the system for biomolecule detection. Overall, the nanofluidic delivery system provides a highly selective and precise method for targeted drug delivery and biosensing applications.

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

(54) Title of the invention : THE FORMULATION, DEVELOPMENT, AND CHARACTERIZATION OF OSMOTIC TABLETS CONTAINING ACYCLOVIR

(51) International classification :A61K 090000, A61K 092000, A61K 315220, A61P 053800, B01D 610000
 (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

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(57) Abstract :
 THE FORMULATION, DEVELOPMENT, AND CHARACTERIZATION OF OSMOTIC TABLETS CONTAINING ACYCLOVIR In a pharmaceutical service suitable for topical use, to herpes virus-infamed cutaneous or mucosal tissues of the herpes virus-infected animal. The sustained launch method is an osmotic managed pill comprising trepostinil or a salt thereof in a quantity of 1.0 to 5.0 mg primarily based on the weight of trepostinil. A solid center comprising a pharmaceutically active agent that has solubility obstacles because of inherent hydrophobicity or high drug load. A semipermeable membrane disposed over the middle, the semipermeable membrane comprising pores and comprising a film-forming material, and a pore-forming agent forming the pores of the semipermeable membrane. The osmotic agent pills are located inside hostile quit areas of the cylindrical reservoir and the drug pills are located within a middle region inside the cylindrical reservoir among osmotic agent drugs. A middle comprising an osmotic agent and a drug inside the shape of a spray-dried strong dispersion of the stated drug in a dispersion polymer decided on from hydroxy propyl methyl cellulose.

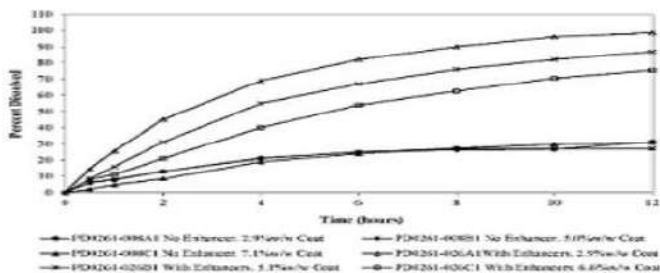


FIG. 1

No. of Pages : 16 No. of Claims : 1



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6273618

Grant date: 17 April 2023

Registration date: 05 April 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr.Ashish Kumar Sarangi, Dr.Rudra Narayan Sahoo, Dr.Kalpita Bhatta,

Ms.Rasmita Dash

in respect of the application of such design to:

COVID testing machine with digital display

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS
AND LABORATORIES

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



(54) Title of the invention : Innovative method based on identification of allopurinol and febuxostat in gouty arthritis

(51) International classification :A61K 314260, A61K 315190, A61P 190200, A61P 190600, C07D 775600
 (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
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(57) Abstract :

This invention belongs to the field of Pharmacy and its utility is to formulate Intelligent System to identification of allopurinol and febuxostat in gouty arthritis in people with age more than 45 years. This protocol was used to enrol patients with gout and cardiovascular disease in a multicenter, double-blind, noninferiority trial; patients were classified according to renal function and randomly assigned to receive febuxostat or allopurinol. Regarding incidence of adverse cardiovascular events in patients with substantial concurrent cardiovascular illnesses and gout, febuxostat was noninferior to allopurinol. Cardiovascular disease and all-cause mortality were higher with febuxostat than with allopurinol.

No. of Pages : 9 No. of Claims : 2

(54) Title of the invention : Novel mechanism and various clotting factors to identify functioning of blood circulation

(51) International classification :A61K 380000, A61P 070400, A61P 090000, C12N 096400, C12Q 016886
 (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

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7)Deepak Kumar Patra

8)Anmol Das

9)Ms. Taru Vats

10)Ms. Saman Aqeel

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(57) Abstract :

Although the coagulation cascade's reactions are well understood and no new crucial elements of this system have been found during the past fifteen years, our current knowledge of how this system functions is limited. It is incredibly challenging to draw a connection between the functions of individual reactions and the functioning of the clotting system in vivo as a whole due to the immense biochemical complexity of coagulation, which is further confounded by protein diffusion and blood flow. Blood coagulation is a complicated network of biochemical processes that must work in the context of fast flow and is distinctive in that it is time- and space-dependent. Recent experimental results lead us to believe that flow regulates it significantly. The goal of this study was to analyse this control using systems biology methodologies and to pinpoint the mechanisms causing a flow-dependent transition in the initiation of coagulation.

No. of Pages : 9 No. of Claims : 2



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6279508

Grant date: 11 May 2023

Registration date: 30 April 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Muppaneni Srikanth, Dr. Chinmaya Mahapatra, Mr. Bikash Ranjan Jena, Dr.

Priyanka Debta , Chatlapelli Kishore , Deepak Shrivastava, Pragati Baghel,

Satyabrata Jena

in respect of the application of such design to:

EXTENSIVE DEVICE TO ANALYZE AND DESIGN TO FORMULATE HERBAL

DRUGS

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS
AND LABORATORIES

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



(54) Title of the invention : Chemo Selective Synthesis of 1,2-Disubstituted Benzimidazoles

(51) International classification :A61K 315060, A61P 250600, A61P 252200, C07D 011200, G01N 330000
 (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

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(57) Abstract :

This invention belongs to the field of Pharmacy and its utility for a selective dehydrogenative coupling of aromatic diamine with primary alcohols to produce 2- and 1,2-substituted benzimidazoles. A manganese(I) complex formed from a tridentate NNS ligand that is phosphine-free catalyses the process. The catalysis was expanded to include substituted primary alcohols that were aromatic, aliphatic, and heterocyclic as well as phenylenediamines with either electron-donating or -withdrawing substituents. Overall, good to moderate yields of 1,2-disubstituted benzimidazoles were produced, and the only by-products were water and hydrogen.

No. of Pages : 9 No. of Claims : 1

(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

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(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.202331034129 A

(19) INDIA

(22) Date of filing of Application :15/05/2023

(43) Publication Date : 19/05/2023

(54) Title of the invention : THE DEVELOPMENT, VALIDATION, AND ESTIMATION OF A NOVEL RP-HPLC METHOD FOR GLICLAZIDE IN BULK AND TABLET DOSAGE FORM

(51) International classification :A61K 9/20
(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

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7)Ms. Ankita Moharana

8)Ms Soumyashree Tripathy

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(57) Abstract :

THE DEVELOPMENT, VALIDATION, AND ESTIMATION OF A NOVEL RP-HPLC METHOD FOR GLICLAZIDE IN BULK AND TABLET DOSAGE FORM ABSTRACT
An innovative Ultra-performance liquid chromatography column from a commercial HPLC system was employed to develop and validate a new sensitive and economical analytical method for Gliclazide analysis in tablet dosage form. The RP-HPLC method has been established to estimate Gliclazide (GLC) in tablet pharmaceutical dosage form using a 100; C18 (250 x 4 mm, 5 m) column with a mobile phase made up of Methanol and water in a 50:50 v/v ratio. The flow rate was 1.0 ml/min and detection was carried out by UV-PDA detector at 272nm. The retention time for GLC was found to be 3.183 min. The accuracy of GLC was determined to be between 98.92 and 99.23%, with a linearity range of 01-300 g/ml and correlation co-efficient 0.999 respectively. The developed technique was found to be simple, more precise, as well as accurate for estimating GLC in tablet formulations.

No. of Pages : 18 No. of Claims : 4

37667

(54) Title of the invention : Determination of biological activities of leaf extracts of piper Betal Linn

<p>(51) International classification :A61K 089700, A61K 366700, A61P 011400, A61P 430000, G01N 350000</p> <p>(86) International Application No :PCT//</p> <p>Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Professor (Dr.) KNV Rao Address of Applicant :Principal, Nalanda College of Pharmacy, Cherapally, Nalgonda, Telangana, India-508001 -----</p> <p>2)Dr. Payal Dande</p> <p>3)Dr. Priyanka Debta</p> <p>4)Rupali Sontakke</p> <p>5)Dr. Himaja Trivedi M</p> <p>6)Dr. Nitin Balkrishna Aher</p> <p>7)Roja Sahu</p> <p>8)Sanket Mandal</p> <p>9)Mrs. K. Sumalatha</p> <p>10)Ms. Rasmita Jena</p> <p>11)Dr. Sachinkumar Dnyaneshwar Gunjal</p> <p>12)Mr. Hrutiik Shantaram Murtadak</p> <p>Name of Applicant : NA</p> <p>Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Professor (Dr.) KNV Rao Address of Applicant :Principal, Nalanda College of Pharmacy, Cherapally, Nalgonda, Telangana, India-508001 -----</p> <p>2)Dr. Payal Dande Address of Applicant :Head of the Department, Department of Pharmacognosy, SVKM's NMIMS SPTM Shirpur Campus, Near Tapi river Bridge, Shirpur, Maharashtra, India-425405 -----</p> <p>3)Dr. Priyanka Debta Address of Applicant :Professor, Department of Oral Pathology and Microbiology, Institute of Dental Sciences, Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar, Odisha, India -----</p> <p>4)Rupali Sontakke Address of Applicant :Assistant Professor, Department of Pharmacognosy, Faculty of Pharmacy, Medci-Caps University, AB road Pigdambar, Indore, Madhya Pradesh, India- 453331 -----</p> <p>5)Dr. Himaja Trivedi M Address of Applicant :Assistant Professor, Department of Pharmacognosy, Anurag Pharmacy College, Ananthagiri, Kodad- Suryapeta (District), Telangana, India-508206 -----</p> <p>6)Dr. Nitin Balkrishna Aher Address of Applicant :Principal, Department of Pharmacognosy, Ashvin College of Pharmacy, Manchi Hill, Sangamner, Ahmednagar, Maharashtra, India-413714 -----</p> <p>7)Roja Sahu Address of Applicant :M.Pharm (Pharmacology), Research Scholar, Department of Pharmaceutical Sciences & Technology, Birla Institute of Technology (BIT), Mesra, Ranchi, Jharkhand, India-835215 -----</p> <p>8)Sanket Mandal Address of Applicant :M.Pharm (Pharmaceutical Chemistry), Research Scholar, Shoolini University of Biotechnology and Management, Solan-Oachghat-Kumarhatti Highway, Bajhol, Himachal Pradesh, India-173229 -----</p> <p>9)Mrs. K. Sumalatha Address of Applicant :Associate Professor, Department of Pharmacognosy, Bhaskar Pharmacy College, Bhaskar Nagar, Amdhapur X- Roads, Yenkapally, Moinabad, Ranga Reddy District, Hyderabad, Telangana, India, 500075 -----</p> <p>10)Ms. Rasmita Jena Address of Applicant :Assistant Professor, Faculty of Pharmacy, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Bhubaneswar, Odisha, India-752050 -----</p> <p>11)Dr. Sachinkumar Dnyaneshwar Gunjal Address of Applicant :Department of Pharmaceutics, Amrutvahini College of Pharmacy, Sangamner, Savitribai Phule Pune University, Maharashtra, India, Pin-422605 -----</p> <p>12)Mr. Hrutiik Shantaram Murtadak Address of Applicant :Amrutvahini College of Pharmacy, Sangamner, Savitribai Phule Pune University, Maharashtra, India, Pin-422605 -----</p>
--	---

(57) Abstract :

This invention belongs to the field of Pharmacy and its utility is to obstacle in agriculture for the plant diseases, which are typically addressed with the help of pesticides. However, the widespread use of pesticides has resulted in a variety of risks to the environment and public health. The more advantageous option is Biological control, a technique that is environmentally benign, especially since that botanicals are showing to be more effective alternatives for managing disease. This protocol a novel botanical for the in-vitro management of some significant plant pathogenic bacteria. Piper betle leaf solvent extracts, including petroleum ether, chloroform, ethyl acetate, and methanol extract, shown inhibitory efficacy against the studied microorganisms in a cup and disc diffusion assay. While the inhibitory zone for the petroleum ether extract ranged from 13 to 19 mm, that of the methanol extract ranged from 27 to 41 mm. Extracts in chloroform and ethyl acetate showed a modest inhibition range of 14–26 mm.

No. of Pages : 9 No. of Claims : 2



Intellectual
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Certificate of Registration for a UK Design

Design number: 6286371

Grant date: 08 June 2023

Registration date: 30 May 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

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Ravindra Kapase, Dr. Shehla Nasar Mir Najib Ullah, Mr. Mirza Nazish Baig, Mr.

Hrudesh Priyadarsan Sahoo, Dr. Amit Chandna

in respect of the application of such design to:

Body Fluids and Salts Determining Device

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 02 MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR LABORATORY USE

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



(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 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, Ghogaon (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



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Design number: 6288630

Grant date: 17 June 2023

Registration date: 08 June 2023

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Dr. Chinmaya Mahapatra, Dr. Subas Chandra Dinda, Dr. Hara Prasad Mishra,

Ms. Smruti Sikta Mishra, Mr. Abhra Das, Dr. Lubhan Singh, Mr.Om Prakash

Panda, Mr.Sanatan Nayak

in respect of the application of such design to:

IOT Device for Breast Cancer Detection

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS
AND LABORATORIES

Adam Williams

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(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 Lokeshwara 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 Lokeshwara 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



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Design number: 6293410

Grant date: 10 July 2023

Registration date: 30 June 2023

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Upadhye, Dr. Damarasingu Prasanth , Dr. Sanjeshkumar Gotam rathi , Dr.

Maulikkumar Dineshbhai Vaja , Mr. Abhishek Shrivastava, Dr. Sagar Pamu,

Patel Mineshkumar Ashvinkumar, Heenaben Abhishek Chokshi

in respect of the application of such design to:

T- Maze device for Detection of Locomotor activity in animals

International Design Classification:

Version: 14-2023

Class: 30 ARTICLES FOR THE CARE AND HANDLING OF ANIMALS

Subclass: 02 PENS, CAGES, KENNELS AND SIMILAR SHELTERS

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Comptroller-General of Patents, Designs and Trade Marks

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ORIGINAL
क्रम सं/ Serial No. : 154145



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डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 399997-001

तारीख / Date : 15/11/2023

पारस्परिकता तारीख / Reciprocity Date* : -

देश / Country : -

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PORTABLE TABLET SPRAY DRYING APPARATUS** से संबंधित है, का पंजीकरण, श्रेणी 15-99 में 1.Neha Verma 2. Nitin Rajan 3.Dr. Mallela Vijaya Jyothi 4.Dr Indrajeet Singhvi 5.Mukesh Tiwari 6.Jagatjit Das 7.Rojalika Mohanty 8.Dr. Himansu Bhusan Samal 9.Dr Rajesh Singh Jadon 10.Dr.Himanshu Kanubhai Solanki के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में।

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जारी करने की तिथि : 19/01/2024
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डिजाइन सं. / Design No. : 398800-001

तारीख / Date : 30/10/2023

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **DEVICE FOR DETECTION OF ACTIVE CONSTITUENTS FROM MEDICINAL PLANTS** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Neha Verma 2. Dr Snehal Chakorkar 3.Nigar Kadar Mujawar 4.Manvi Singh 5.Dr Mithun Maniyar 6.Dr Himansu Bhusan Samal 7.Revati Tatyasaheb Deore 8.Dr Nitin Narayan Hire 9.Rekha Pathak 10.Anand Kumar के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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जारी करने की तिथि : 15/01/2024
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Certificate of Registration for a UK Design

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Grant date: 09 September 2023

Registration date: 01 September 2023

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Dr.Ashish Kumar Sarangi, Dr.Himansu Bhusan Samal, Dr.Fahima Dilnawaz,

Dr.Kalpita Bhatta

in respect of the application of such design to:

Laparoscopic Instruments

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 02 MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR LABORATORY USE

Adam Williams

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