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3.4.3 Number of Patents published/awarded during the last five years

3.4.3.1 : Total number of Patents published/awarded year wise during the last five years

S.No.	Name of the Teacher	Patent Number	Title of the Patents	Page No.
1	Dr. Ashutosh Kumar	202221024576 A	A System for local business to advertise promotional offers based on personalized and visiting location using Machine Learning Model	3
2	Dr. Durgesh Batra	202211022255	Method and system for automated assessment of sales performance of Individuals	6
3	Dr. Durgesh Batra	202241010036 A	Machine learning based IOT device to detect Alzheimer's disease using Voice based Speech Processing	9
4	Vikram Kumar	2021104295	An Innovative Bioactive Dressing For Treating Wounds Using Herbs & Cow Urine.	12
5	Era Upadhyay,Manali Datta	202011003559	A System And Method Of Reusable Filters For Anti-Pollution Mask	14
6	Shruti Mathur	358213	Method For Production Of Biosurfactant By Bacillus Thuringiensis Grown On Mustard Seed Meal	16
7	Nitesh Singh Rajput, Diwakar Srivastava	201911039467	An Improved Vehicle Cover	17
8	Era Upadhyay,Saurabh Singh Chandel,Manali Datta	202011008531	A System And Method For Electricity Generation Through Crop Stubble By Using Microbial Fuel Cells	19
9	Ramesh Chandra Poonia	201911036490	A Method Of Synchronized Two Way Quantum Channel For Quantum Key Distribution (Qkd)	21
10	Ms. Prathibha Sudhakaran,Amity University	202141055538	Artificial Intelligence And Natural Language Programming Based Detection Of Lung Infection	23
11	Shweta Kulshreshtha	2020104359	Manufacturing Method Of Cost Effective Water Filter Using Industrial Fly Ash Waste	26
12	Shweta Kulshreshtha and Nitesh Singh Rajput	2021100922	Inexpensive Nail-fold Capillaroscopy for Early Detection of Cardio-Metabolic Disease	29
13	Vikram Kumar and	2021104270	Desvenlafaxine Succinate Loaded Nanostructured Lipid Carrier (Nlc) For Brain Targeting Via Nasal Route	32
14	Saroj Bohra	2021102967	Iot Based Method And System For Rainwater Harvesting And Storage By Converting It To Drinkable Water	34
15	Dr. Manali Datta	3126/DEL/2014	A Simple Food Storage And Preservation Chamber	37

16	Gaurav Nehru	334018	"Design Of Horizontal Bioreactor For Solid State Fermentation Processes"	39
17	Amrendra Nath Pathak Bharat Singh	1782/DEL/2012	"Enhancement Of Shikonin Production Of Azotobacter Chroococcum In Hairy Root Cultures Of Arnebia Hispidissima (Lehm.) Dc"	40
18	Manali Datta	201911011650	Point of Care Diagnostic chip for Kidney Disorder Detection using Multiwalled carbon Nanotube	42
19	Manali Datta, Shiva, Dignya Desai,Vasanth Raghavan	201811037495	Portable Fluorescent Nanoplatform For The Detection Of Anitibiotic Residues In Fluid	44
20	Jyoti Shiva, Swaraj Vutukuru,Naveen Kumar	201811028926	Turn-Off Fluorescent Quenching Cum Colorimetric (Dual Output) Detection Of Melamine Using Gallic Acid Functionalised Fluorescent Copper Nanoclusters	46
21	Pushpa Gothwal	202041039998	Machine Learning Based Smart Transportation System With Traffic Estimation For Big Data Analytics	48
22	Pushpa Gothwal	202011042949	Artificial Neural Network Based Machine Learning Intrusion Detection In Wireless Network Using Feature Selection	51
23	Divya Prakash	201711024350	A Method Of Separation Of Nickel By Mircoorganisms	54
24	Shweta Kulshreshtha	201711014574	A System And Method For Treatment Of Problems By Herbal Solutions	56
25	Divya Prakash	201711013700	A Method For Separation Of The Dyes Used In The Printing Of Flex By Using Bio-Adsorbent	58
26	G.K. Aseri	201811003803	Linocin M18 Immobilized On Food Grade Packaging Film And Its Method Thereof	60
27	Nidhi Chauhan	201811003796	A Noninvasive Device For Mea	62
28	G.K Aseri, Vishakha Sharma	201811998350	A Method For Production And Purification Of Blis From Acinetobacter Movanaghrensis As Isolated From Goat Rectum	64
29	Arun Kumar Dua	201611042944	Capturing And Spatial Movement of Human Mind Thoughts Through Wireless Sensor Network	66
30	Manali Datta	3993/DEL/2015	Dfiagnostic Kit For Kidney Disorder Using Multiwalled Carbon Nanotube	68
31	Jagdip Singh Sohal	201711016280	Diva Technology For Paratuberculosis Vaccine	70
32	Ashwani K.Yadav	3407/DEL/2015	System And Method For Simultaneous And Parallel Compression And Encryption Of Data	72

Patent Search

Invention Title	A SYSTEM FOR LOCAL BUSINESS TO ADVERTISE PROMOTIONAL OFFERS BASED ON PERSONALIZED AND VISITING LOCATION USING MACHIN LEARNING MODEL
Publication Number	25/2022
Publication Date	24/06/2022
Publication Type	INA
Application Number	202221024576
Application Filing Date	26/04/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06Q0030020000, G06N0020000000, H04W0004020000, G06Q0010040000, H04W0004024000

Inventor

Name	Address	Country	Nat
Dr. Sunil Agrawal	Professor People's Institute of Management & Research, People's University, People's Campus, Bhanpur, Bhopal (M.P.) India - 462037	India	Indi
Prof. Kanchan Bhatia	Professor Dept of Management Makhanlal Chaturvedi National University of Journalism and Communication Bhopal Vikas Bhawan MP Nagar Bhopal india 462016	India	Indi
Dr. Seema Rafique	Professor Sagar Institute of Research and Technology Ayodhya bypass road opposite minal residence Bhopal india Pin 462041	India	Indi
Dr. Ashutosh Kumar	Professor Amity Business school Amity University Rajasthan, Kant kalwar, NH-11C-303002 Jaipur-Rajsthan	India	Indi
Dr. Vishwas Gupta	Associate professor, Mittal School of Business, Lovely professional University Phagwara, pin-144402 Punjab.	India	Indi

Applicant

Name	Address	Country	Nat
Dr. Sunil Agrawal	Professor People's Institute of Management & Research, People's University, People's Campus, Bhanpur, Bhopal (M.P.) India - 462037	India	Indi
Prof. Kanchan Bhatia	Professor Dept of Management Makhanlal Chaturvedi National University of Journalism and Communication Bhopal Vikas Bhawan MP Nagar Bhopal india 462016	India	Indi
Dr. Seema Rafique	Professor Sagar Institute of Research and Technology Ayodhya bypass road opposite minal residence Bhopal india Pin 462041	India	Indi
Dr. Ashutosh Kumar	Professor Amity Business school Amity University Rajasthan, Kant kalwar, NH-11C-303002 Jaipur-Rajsthan	India	Indi
Dr. Vishwas Gupta	Associate professor, Mittal School of Business, Lovely professional University Phagwara, pin-144402 Punjab.	India	Indi

Abstract:

ABSTRACT The present invention relates to an advertisement system for providing personalized and visiting location based promotional offers related to nearby location u machine learning model. The objective of present invention is to solve the anomalies presented in the prior art techniques and using advanced technique for providing advertisements to the consumers of the nearby business based on the current or visiting location and consumers/customers browsing history using machine learning mo Customers often going for market for buying something from the market need to wander here and there in the market for searching for relevant shops in the market and the searched article at a reasonable price. Further, consumers often search for the products or article in their phone before buying in the market. Hence, the proposed inv recommends the products based on the browsing history of the consumer along with providing the promotional offers from the nearby shops of the current location of th consumer using machine learning model. The proposed invention captures the location of the consumers from the GPS sensor of the mobile terminal. The proposed inve first registers the business and maintains a database of the registered business on the server along with location of the registered business. The registered business perio updates or adds the promotional offers related to the product of their businesses. The proposed invention comprises a central server which is based on machine learning The said machine learning model is trained using initial database of the related category and test cases. The central server dynamically or periodically monitors the browsi history of the consumers which are analyzed by the machine learning model at the central server in consultation with the registered businesses. Further, the central serve dynamically monitor the location of the consumers based on the location available through the GPS sensor of the mobile terminal of the consumer. Every aspect of the re businesses, location and browsing history of the consumer is analyzed by the machine learning model of the said system. The whole process of said advertisement syster automatic and dynamic in nature. Further, the central server based on the browsing history of the consumer, current location of the consumer captured through the mob terminal, promotional offers of the registered business in the vicinity of current location of the consumer provides or recommends or provides the advertisement to the consumer using the analysis of the machine leaning model. The said machine learning model is adaptive and self-learning in nature and the recommendations or advertis to the consumers are more relevant and precise with time. Thus, using the advanced technology of machine learning model, the consumers or customers will get the infor related to the products along with best promotional offers available on the required product in the current location of the consumer. The proposed advertisement system automatic, dynamic in nature and helps the consumers in providing the required products with best available cost quickly and efficiently.

Complete Specification

Description: A system for local business to advertise promotional offers based on personalized and visiting location using machine learning model

FIELD OF INVENTION

[0001] The present invention relates to the technical field of getting promotional offers or advertisement on the mobile terminal based on location. The field of the invention is to provide an automatic advertising system for providing personalized offers related to nearby business.

[0002] More particularly, this present invention relates to the field of automatic advertising system for providing personalized and location based promotional offers rela to nearby location businesses or shops using machine learning model.

BACKGROUND & PRIOR ART

[0003] The subject matter discussed in the background section should not be assumed to be prior art merely as a result of its mention in the background section. Similar a problem mentioned in the background section or associated with the subject matter of the background section should not be assumed to have been previously recognized in the prior art. The subject matter in the background section merely represents different approaches, which in-and-of-themselves may also be inventions.

View Application Status

(https://rashtragaan.in/)

Patent Search

Invention Title	METHOD AND SYSTEM FOR AUTOMATED ASSESSMENT OF SALES PERFORMANCE OF INDIVIDUALS
Publication Number	20/2022
Publication Date	20/05/2022
Publication Type	INA
Application Number	202211022255
Application Filing Date	14/04/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06Q0010060000, G06Q0030020000, G09B0007000000, G09B0007020000, G06Q0010100000

Inventor

Name	Address	Country	Nat
Dr. Anudeep Arora	Director, Kamal Institute of Higher Education & Advance Technology, K-1 Extn, Mohan Garden Near Nawada& Dwarka Mor Metro Station, Uttam Nagar, New Delhi, Delhi 110059, India	India	Indi
Prof. (Dr.) Durgesh Batra	Amity Business School, Amity University Jaipur Rajasthan, Sp-1 Kant Kalwar, NH11C, RIICO Industrial Area, Jaipur, Rajasthan 303007, India.	India	Indi
Dr. Manmohan Chaudhry	Professor, Department of Management, Fairfield Institute of Management & Technology, FIMT Campus,1037, Kapashera Extension, Kapashera, New Delhi - 110037.	India	Indi
Dr. Ranjeeta Kaur	Associate Professor, Department of Information Technology, Kamal Institute of Higher Education & Advance Technology, K-1 Extn, Mohan Garden Near Nawada& Dwarka Mor Metro Station, Uttam Nagar, New Delhi, Delhi 110059, India.	India	Indi
Ms. Shikha Mehmi	Media Coordinator, Guru Gobind Singh Indraprastha University,GGSIPU Campus, Golf Course Rd, Sector - 16 C, Dwarka, Delhi 110078, India.	India	Indi
Ms. Shivani Wadhwa	Assistant Professor, Department of Management, Jagan Institute of Management Studies,3, Institutional Area Sector 5, Rohini, Delhi 110085, India.	India	Indi
Ms. Trishali Khanna	Assistant Professor, Department of Management & Commerce, Kamal Institute of Higher Education & Advance Technology (Affiliated to GGSIPU, New Delhi), K-1 Extn, Mohan Garden Near Nawada& Dwarka Mor Metro Station, Uttam Nagar, New Delhi 110059, India.	India	Indi
Mr. Anurag Gupta	Assistant Professor, Department of Computer Science & IT, Teerthankar Mahaveer University, Delhi Road, NH-24, Bagadpur, Moradabad, Uttar Pradesh - 244001, India.	India	Indi
Dr. Prashant Vats	Assistant Professor, Department of Computer Science & Engineering, Dr. Akhilesh Das Gupta Institute of Technology & Management(Affiliated to GGSIPU, New Delhi), FC-26, Shastri Park, New Delhi-110056, India.	India	Indi

Applicant

Name	Address	Country	Nat
Dr. Anudeep Arora	Director, Kamal Institute of Higher Education & Advance Technology, K-1 Extn, Mohan Garden Near Nawada& Dwarka Mor Metro Station, Uttam Nagar, New Delhi, Delhi 110059, India	India	Indi
Prof. (Dr.) Durgesh Batra	Amity Business School, Amity University Jaipur Rajasthan, Sp-1 Kant Kalwar, NH11C, RIICO Industrial Area, Jaipur, Rajasthan 303007, India.	India	Indi
Dr. Manmohan Chaudhry	Professor, Department of Management, Fairfield Institute of Management & Technology, FIMT Campus,1037, Kapashera Extension, Kapashera, New Delhi - 110037.	India	Indi
Dr. Ranjeeta Kaur	Associate Professor, Department of Information Technology, Kamal Institute of Higher Education & Advance Technology, K-1 Extn, Mohan Garden Near Nawada& Dwarka Mor Metro Station, Uttam Nagar, New Delhi, Delhi 110059, India.	India	Indi
Ms. Shikha Mehmi	Media Coordinator, Guru Gobind Singh Indraprastha University,GGSIPU Campus, Golf Course Rd, Sector - 16 C, Dwarka, Delhi 110078, India.	India	Indi
Ms. Shivani Wadhwa	Assistant Professor, Department of Management, Jagan Institute of Management Studies,3, Institutional Area Sector 5, Rohini, Delhi 110085, India.	India	Indi
Ms. Trishali Khanna	Assistant Professor, Department of Management & Commerce, Kamal Institute of Higher Education & Advance Technology (Affiliated to GGSIPU, New Delhi), K-1 Extn, Mohan Garden Near Nawada& Dwarka Mor Metro Station, Uttam Nagar, New Delhi 110059, India.	India	Indi
Mr. Anurag Gupta	Assistant Professor, Department of Computer Science & IT, Teerthankar Mahaveer University, Delhi Road, NH-24, Bagadpur, Moradabad, Uttar Pradesh - 244001, India.	India	Indi
Dr. Prashant Vats	Assistant Professor, Department of Computer Science & Engineering, Dr. Akhilesh Das Gupta Institute of Technology & Management(Affiliated to GGSIPU, New Delhi), FC-26, Shastri Park, New Delhi-110056, India.	India	Indi

Abstract:

The present invention relates generally to system and method for assessing performance of the sales force personnel and, in particular, for improving individual and organizational sales performance based on such assessments.

Complete Specification

Claims:WE CLAIM:

1. A method for automated assessment of sales performance of an individual, the method comprising:
defining a plurality of performance variables for the individual;
collecting data for each of said performance variables for a period of time;
mapping, by a processor, the data for each of said plurality of performance variables for the time period to a normalized performance variable having a neutral value an least one inflection point within a normalized range of values;
retrieving said plurality of normalized performance variables and calculating a plurality of weighted normalized performance variables;
calculating, by the processor, the efficiency of the individual as a function of said plurality of weighted normalized performance variables; and
providing the performance report from the computer showing the individual's calculated efficiency for the time period.

2. The method of claim 1, further comprising:
identifying at least one high sales performer;
obtaining personality assessment data, behavior assessment data and competency assessment data for the at least one high sales performer; and
determining the high sales performer benchmark data based on the personality assessment data, behavior assessment data and competency assessment data for the a least one high sales performer

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Patent Search

Invention Title	MACHINE LEARNING BASED IOT DEVICE TO DETECT ALZHEIMER'S DISEASE USING VOICE BASED SPEECH PROCESSING
Publication Number	09/2022
Publication Date	04/03/2022
Publication Type	INA
Application Number	202241010036
Application Filing Date	24/02/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRONICS
Classification (IPC)	G10L0015180000, G10L0015220000, H04L0029080000, G06N0020000000, G10L0025660000

Inventor

Name	Address	Country	Nat
Dr.S.Balamurugan	No.21, Kalloori Nagar, Peelamedu, Coimbatore-641004, Tamilnadu, India	India	Indi
DR.BALBIR SINGH	Faculty, Administrative Staff College Of India, 7B, College Park Campus, Hyderabad 500034, India	India	Indi
PROF.DURGESH BATRA	JECRC University Jaipur, Sitapura, Vidhani, Rajasthan 303905, India	India	Indi
DR.INDRAJIT PAN	RCC Institute Of Information Technology, Beleghata, Kolkata, West Bengal 700015, India	India	Indi
MS.P.UMAMAHESWARI	Assistant Professor, Department Of Artificial Intelligence And Data Science, Dhanalakshmi Srinivasan College Of Engineering, Palakkad Main Road, Navakkarai Post, Coimbatore – 641 105, Tamilnadu, India	India	Indi
DR.S.SIVAKUMAR	Associate Professor, Department Of Artificial Intelligence And Data Science, Dhanalakshmi Srinivasan College Of Engineering, Palakkad Main Road, Navakkarai Post, Coimbatore – 641 105, Tamilnadu, India	India	Indi
MR.J.UTHAYAKUMAR	Assistant Professor, Department Of Artificial Intelligence And Data Science, Dhanalakshmi Srinivasan College Of Engineering, Palakkad Main Road, Navakkarai Post, Coimbatore – 641 105, Tamilnadu, India	India	Indi
MR.S.SAM KARTHIK	Assistant Professor, Department Of Electrical And Electronics Engineering, Dhanalakshmi Srinivasan College Of Engineering, Palakkad Main Road, Navakkarai Post, Coimbatore – 641 105, Tamilnadu, India	India	Indi
C.MOHAN RAJ	Assistant Professor, Department Of EEE,Sri Eshwar College Of Engineering, Kinathukadavu, Coimbatore – 641 202, Tamilnadu, India	India	Indi
P.YUVARAJ	Assistant Professor, Department Of EEE, Dhanalakshmi Srinivasan College Of Engineering, Palakkad Main Road, Navakkarai Post, Coimbatore – 641 105, Tamilnadu, India	India	Indi
DR.SANJAY GOUR	Jaipur Engineering College And Research Centre, Jaipur, Sitapura, Vidhani, Rajasthan 303905, India	India	Indi
DR.SRIVIDYA R	Assistant Professor-Senior Scale, Electrical And Electronics Engineering, Manipal Institute Of Technology, Manipal Academy Of Higher Education, Manipal, Karnataka- 576104, India	India	Indi
RAMASAMY V	Associate Professor, Department Of Information Technology, M.Kumarasamy College Of Engineering, Thalavapalayam, Karur, Tamil Nadu, India. PIN: 639113	India	Indi
DR.PAVITHRA G	Associate Professor, Electronics & Communication Engg Dept. (ECE), Dayananda Sagar College Of Engg. (Dsce), Block No. 17, Room No. 17205, Kumaraswamy Laout, Shavigemalleshwara Hills, Bangalore- 560078, Karnataka, India.	India	Indi
DR.T.C.MANJUNATH	Professor & Head Of The Dept. Electronics & Communication Engg Dept. (ECE), Dayananda Sagar College Of Engg. (Dsce), Block No. 17, Room No. 208 Kumaraswamy Layout, Shavigemalleshwara Hills, Bangalore-560078, Karnataka, India.	India	Indi

Applicant

Name	Address	Country	Nat
Dr.S.Balamurugan	No.21, Kalloori Nagar, Peelamedu, Coimbatore-641004, Tamilnadu, India	India	Indi
DR.BALBIR SINGH	Faculty, Administrative Staff College Of India, 7B, College Park Campus, Hyderabad 500034, India	India	Indi
PROF.DURGESH BATRA	JECRC University Jaipur, Sitapura, Vidhani, Rajasthan 303905, India	India	Indi
DR.INDRAJIT PAN	RCC Institute Of Information Technology, Beleghata, Kolkata, West Bengal 700015, India	India	Indi
MS.P.UMAMAHESWARI	Assistant Professor, Department Of Artificial Intelligence And Data Science, Dhanalakshmi Srinivasan College Of Engineering, Palakkad Main Road, Navakkarai Post, Coimbatore – 641 105, Tamilnadu, India	India	Indi
DR.S.SIVAKUMAR	Associate Professor, Department Of Artificial Intelligence And Data Science, Dhanalakshmi Srinivasan College Of Engineering, Palakkad Main Road, Navakkarai Post, Coimbatore – 641 105, Tamilnadu, India	India	Indi
MR.J.UTHAYAKUMAR	Assistant Professor, Department Of Artificial Intelligence And Data Science, Dhanalakshmi Srinivasan College Of Engineering, Palakkad Main Road, Navakkarai Post, Coimbatore – 641 105, Tamilnadu, India	India	Indi
MR.S.SAM KARTHIK	Assistant Professor, Department Of Electrical And Electronics Engineering, Dhanalakshmi Srinivasan College Of Engineering, Palakkad Main Road, Navakkarai Post, Coimbatore – 641 105, Tamilnadu, India	India	Indi
C.MOHAN RAJ	Assistant Professor, Department Of EEE,Sri Eshwar College Of Engineering, Kinathukadavu, Coimbatore – 641 202, Tamilnadu, India	India	Indi
P.YUVARAJ	Assistant Professor, Department Of EEE, Dhanalakshmi Srinivasan College Of Engineering, Palakkad Main Road, Navakkarai Post, Coimbatore – 641 105, Tamilnadu, India	India	Indi
DR.SANJAY GOUR	Jaipur Engineering College And Research Centre, Jaipur, Sitapura, Vidhani, Rajasthan 303905, India	India	Indi
DR.SRIVIDYA R	Assistant Professor-Senior Scale, Electrical And Electronics Engineering, Manipal Institute Of Technology, Manipal Academy Of Higher Education, Manipal, Karnataka- 576104, India	India	Indi
RAMASAMY V	Associate Professor, Department Of Information Technology, M.Kumarasamy College Of Engineering, Thalavapalayam, Karur, Tamil Nadu, India. PIN: 639113	India	Indi
DR.PAVITHRA G	Associate Professor, Electronics & Communication Engg Dept. (ECE), Dayananda Sagar College Of Engg. (Dsce), Block No. 17, Room No. 17205, Kumaraswamy Laout, Shavigemalleshwara Hills, Bangalore- 560078, Karnataka, India.	India	Indi
DR.T.C.MANJUNATH	Professor & Head Of The Dept. Electronics & Communication Engg Dept. (ECE), Dayananda Sagar College Of Engg. (Dsce), Block No. 17, Room No. 208 Kumaraswamy Layout, Shavigemalleshwara Hills, Bangalore-560078, Karnataka, India.	India	Indi

Abstract:

Machine Learning based IoT Device to Detect Alzheimer's Disease using Voice-based Speech Processing (MLDASP) helps the doctor/patient to make use of the MLDASP to whether the patient has or there will be a possibility to have Alzheimer's Disease in the future by using Machine Learning based IoT devices automatically. An IoT device is near a patient's mouth. The IoT device kind of wireless mic is collecting the voice data of the patient frequently and transfers it to the MLDASP control unit. The MLDASP cc unit is consist of a storage unit, NLP unit, semantic identification unit to detect Alzheimer's Disease using voice-based speech processing of the patient. The collected voice patients using a mic is stored in the storage unit. Then the NLP unit extracts the semantics of the whole voice data. Then T1, T2...Tn time intervals the voice semantics are compared. If the semantics have deviated with T1, T2...Tn time intervals, then the MLDASP recommends that the patient can have Alzheimer's Disease with percentage. By this MLDASP, the doctor/patient to make use of the MLDASP to predict whether the patient has or there will be a possibility to have Alzheimer's Disease in the future by us Machine Learning based IoT devices automatically.

Complete Specification

Claims:In this invention on MACHINE LEARNING BASED IOT DEVICE TO DETECT ALZHEIMER'S DISEASE USING VOICE BASED SPEECH PROCESSING, we claim that

1. Machine Learning based IoT Device to Detect Alzheimer's Disease using Voice-based Speech Processing (MLDASP) helps the doctor/patient to make use of the MLDA to predict whether the patient has or there will be a possibility to have Alzheimer's Disease in the future by using Machine Learning based IoT devices automatically. An I device is fixed near a patient's mouth.
2. As a system in Claim 1, the IoT device kind of wireless mic is collecting the voice data of the patient frequently and transfers it to the MLDASP control unit. The MLDA control unit is consist of a storage unit, NLP unit, semantic identification unit to detect Alzheimer's Disease using voice-based speech processing of the patient. The collec voice data of patients using a mic is stored in the storage unit.
3. As a system in Claim 2, NLP unit extracts the semantics of the whole voice data. Then T1, T2...Tn time intervals the voice semantics are compared. If the semantics ha deviated with T1, T2...Tn time intervals, then the MLDASP recommends that the patient can have Alzheimer's Disease with percentage. By using this MLDASP, the doctor/patient to make use of the MLDASP to predict whether the patient has or there will be a possibility to have Alzheimer's Disease in the future by using Machine Learning based IoT devices automatically.

, Description:4. Description:

Field of Invention:

Machine Learning based IoT Device to Detect Alzheimer's Disease using Voice-based Speech Processing (MLDASP) helps the doctor/patient to make use of the MLDASP t predict whether the patient has or there will be a possibility to have Alzheimer's Disease in the future by using Machine Learning based IoT devices automatically. An IoT

View Application Status

Page last updated on: 26/06/2019

(https://rashtragaan.in/)

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021104295

The Commissioner of Patents has granted the above patent on 13 April 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Pranay Wal of Professor & Dean Research & Development, Pranveer Singh Institute of Technology Kanpur Uttar Pradesh 209305 India

Prashansa Sharma of Assistant Professor, Department of Home Sciences, MahilaMahavidhyala, Banaras Hindu University Varanasi UP 221005 India

Amita Verma of Professor, Department of Pharmaceutical Sciences, SIHAS, Sam Higginbottom, Agriculture, Technology & Sciences Prayagraj UP 211007 India

Mukesh Tiwari of Associate Professor, Mahatma Gandhi Institute of Pharmacy Lucknow UP 226401 India

Vaishali Manikrao Patil of Associate Professor, KIET School of Pharmacy, KIET Group of Institutions Delhi NCR, Ghaziabad UP 201206 India

Vikram Kumar of Amity Institute of Biotechnology, Amity University, Kant Kalwar Jaipur Rajasthan 303002 India

Title of invention:

AN INNOVATIVE BIOACTIVE DRESSING FOR TREATING WOUNDS USING HERBS & COW URINE.

Name of inventor(s):

Wal, Pranay; Sharma, Prashansa; Verma, Amita; Tiwari, Mukesh; Patil, Vaishali Manikrao and Kumar, Vikram

Term of Patent:

Eight years from 19 July 2021

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

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 13th day of April 2022

Commissioner of Patents

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

(1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:

(a) a declaration that the threats are unjustifiable; and

(b) an injunction against the continuance of the threats; and

(c) the recovery of any damages sustained by the applicant as a result of the threats.

(2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A **Threats related to an innovation patent application or innovation patent and courts power to grant relief.**

Certain threats of infringement proceedings are always unjustifiable.

(1) If:

(a) a person:

(i) has applied for an innovation patent, but the application has not been determined; or

(ii) has an innovation patent that has not been certified; and

(b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be;

then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent

(2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

Courts power to grant relief in respect of threats made by the patentee of certified innovation patent

(3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

Schedule 1 **Dictionary**

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent

Patent Search

Invention Title	A SYSTEM AND METHOD OF REUSABLE FILTERS FOR ANTI-POLLUTION MASK
Publication Number	17/2022
Publication Date	29/04/2022
Publication Type	INA
Application Number	202011003559
Application Filing Date	27/01/2020
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	CHEMICAL
Classification (IPC)	A61Q0017000000, E02B0015080000, A62B0018020000, A61K0008490000, A61K0008020000

Inventor

Name	Address	Country	Natic
ERA UPADHYAY	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	India
MANALI DATTA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	India

Applicant

Name	Address	Country	Nationality
AMITY UNIVERSITY	E-27, DEFENCE COLONY NEW DELHI DELHI-110024, INDIA	India	India

Abstract:

The present invention relates to a system and method of reusable filters for anti-pollution mask using green technology. The present invention provides anti-pollution mas containing filters which are non toxic, cost effective and can be regenerated. Thus the invention provides mechanism for self-preparedness against health deterioration th particulate matter in different aerosols. The filter comprises multi-pronged purification module, regeneration module and, heating module.

Complete Specification

The present invention relates to the field of antipollution mask. The present invention in particular relates to a system and method of reusable filters for anti-pollution m using green technology.

DESCRIPTION OF THE RELATED ART:

The rapid industrialization, population growth, and vehicle usage lead to increase in gaseous (including volatile organic gases) and particulate emissions into the environment that deteriorating air quality over most of the Indian cities during recent years. The multiplicity of these pollutants in the ambient air thus poses a correspondingly complex challenge in formulating mitigation measures that simultaneously address their adverse impacts on air quality and climate. The particulate ma (both PM2.5 and PM10) is not easily digestible in the human body and can penetrate deep into bloodstream. The concentration levels of PM2.5 and PM10 are being viola blatantly past the prescribed limits by CPCB and WHO in almost all Indian cities.

Reference may be made to the following:

Publication No. US4141703 relates to a flexible polymeric mask, which covers the mouth and at least the lower part of the nose, has exhale-valve means and vertical supporting means for air-intake filter means. The filter means provides a wearer of the mask with air which has passed, in sequence, through, e.g., porous foam, activate charcoal, filter paper, absorbent cellulose and gauze.

- 3 -

Publication No. WO2015140776 relates to air purification device comprising: at least one inlet, continuous airflow mechanism configured to draw environmental air thro the inlet, air purification components configured to be in fluid communication with the continuous airflow mechanism and at least one outlet towards a user. Such air

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INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

क्रमांक : 011131072
SL No :

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No.	:	358213
आवेदन सं. / Application No.	:	35/DEL/2013
फाइल करने की तारीख / Date of Filing	:	07/01/2013
पेटेंटी / Patentee	:	AMITY UNIVERSITY
आविष्कारक (जहां लागू हो) / Inventor(s)	:	SHRUTI MATHUR

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित METHOD FOR PRODUCTION OF BIOSURFACTANT BY BACILLUS THURINGIENSIS GROWN ON MUSTARD SEED MEAL नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 7th day of January 2013 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled METHOD FOR PRODUCTION OF BIOSURFACTANT BY BACILLUS THURINGIENSIS GROWN ON MUSTARD SEED MEAL as disclosed in the above mentioned application for the term of 20 years from the 7th day of January 2013 in accordance with the provisions of the Patents Act,1970.

पेटेंट कार्यालय THE PATENT OFFICE GOVT. OF INDIA भारत सरकार

अनुदान की तारीख : 10/02/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, **7th day of January 2015** को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 7th day of January 2015 and on the same day in every year thereafter.

inPASS Indian Patent Advanced Search System (http://ipindia.nic.in/index.htm)

INTELLECTUAL PROPERTY INDIA PATENTS | DESIGNS | TRADE MARKS GEOGRAPHICAL INDICATIONS (http://ipindia.nic.in/inc

Patent Search

Invention Title	AN IMPROVED VEHICLE COVER
Publication Number	14/2021
Publication Date	02/04/2021
Publication Type	INA
Application Number	201911039467
Application Filing Date	30/09/2019
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	MECHANICAL ENGINEERING
Classification (IPC)	B60J0011000000, B60J0011020000, E21B0049000000, B60R0005040000, B60J0011040000

Inventor

Name	Address	Country	Nati
NITESH SINGH RAJPUT	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi
DIWAKAR SRIVASTAVA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi

Applicant

Name	Address	Country	Nationali
AMITY UNIVERSITY	AMITY UNIVERSITY CAMPUS, SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA	India	India

Abstract:

The present invention relates to a system and method for vehicle cover inside (rolled) which can be affixed on the roof of the vehicle. This device helps in easy covering of vehicle anywhere and without any hustle. There is no need to pull the entire cover from boot space. Single person can manually cover and uncover the vehicle.

Complete Specification

FIELD OF INVENTION:
The present invention relates to the field of a system and method for vehicle cover. The present invention in particular relates to a system and method for vehicle cover (rolled) which can be affixed on the roof of the vehicle.
DESCRIPTION OF THE RELATED ART:
There are other vehicle covering devices designed for protecting a vehicle's exterior.
Reference may be made to the following:
Publication No. WO2009136878 relates to a small apparatus that has the suitcase shape and size fixed to the car's roof. It contains a protective cover that can wrap and u wrap the car, completely, automatically, quickly and easily according to the principal of the circumvention or twirling of soft tissue around an axle, producing circular fold As a result, it saves time and money and economizes water. In addition, it can be also used for cosmetic and touristic purposes to cover roofs, backyards, and swimming pools.
Publication No. US7464982 relates to an axle having a folding crank handle to utilize a reeling action useful in the withdrawing and retracting of a folding cover comprise a sheet like material that when withdrawn can be expanded to cover a vehicles body by manipulation of an end rod attached to said folding covers end portion that is pulled through the jam of a trunk and over a vehicles forward body to effectively protect said vehicle. Additionally the device has base elements integral to its housing fo providing support and if desired a secondary rear folding cover that may withdrawn in the same manner that may be utilized to cover the rear or trunk portion of a vehic as well

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Patent Search

Invention Title	A SYSTEM AND METHOD FOR ELECTRICITY GENERATION THROUGH CROP STUBBLE BY USING MICROBIAL FUEL CELLS
Publication Number	36/2021
Publication Date	03/09/2021
Publication Type	INA
Application Number	202011008531
Application Filing Date	28/02/2020
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRICAL
Classification (IPC)	H01M0008160000, H01M0004900000, C02F0003000000, C02F0003340000, H01M0004960000

Inventor

Name	Address	Country	Nat
ERA UPADHYAY	AMITY UNIVERSITY, RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi
SAURABH SINGH CHANDEL	AMITY UNIVERSITY, RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi
MANALI DATTA	AMITY UNIVERSITY, RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi

Applicant

Name	Address	Country	Nationality
AMITY UNIVERSITY	E-27, DEFENCE COLONY NEW DELHI DELHI-110024, INDIA	India	India

Abstract:

The present invention relates to a system and method for electricity generation through crop stubble by using microbial fuel cells (MFCs). This system generate electricity i cost-effective manner by using microbial fuel cell (MFC) technology which will helps in reducing the air pollution and generating the electricity to be used to light the house rural areas. Microbial fuel cells (MFC) is a technology in which microbes convert chemical energy produced by the oxidation of organic/inorganic compounds into ATP by sequential reactions in which electrons are transferred to a terminal electron acceptor to generate an electrical current.

Complete Specification

The present invention relates to the field of electricity generation using alternative energy source. The present invention in particular relates to a system and method for electricity generation through crop stubble by using microbial fuel cells (MFCs).

DESCRIPTION OF THE RELATED ART:

Alternative energy sources are being sought to offset society's dependence on fossil fuels. While many of these alternatives may be viable options in the near future, oth still require major technological advances before they will make a significant impact on the overall energy budget.

One such viable alternative is solar energy (i.e., sunlight). Harvesting solar energy is a long-term, attractive strategy for meeting the global energy challenge. When compared to fossil fuels, solar energy use is a carbon-neutral process that poses no known threat from pollution or greenhouse gases. Despite these advantages, solar energy provided less than 0.1% of the world's electricity in 2001 (US Department of Energy 2005b).

Microbial fuel cells (MFCs) can be used to harvest solar energy. MFCs convert chemical energy stored in organic materials into electrical energy through a catalytic reactic mediated by photosynthetic organisms and may be an alternative to fossil fuels. With more solar energy striking the Earth in an hour (4.3*10<20 > J) than all the energy consumed on our planet in a year (4.1*10<20 > J; US Department of Energy 2005b), and with photosynthetic microbes highly adapted to capture this solar energy, technological advancements in light-powered MFCs has a potential to improve their utility in practical applications. In principle, hydrogen production via water bio-photolysis by cyanobacteria (Melis 2002) or hydrogen production via direct electron transfer to protons by photosynthetic purple non-sulfur bacteria (Gest & Kamen 194 Koku et al. 2002) provide a source for the development of light-powered MFCs. Consequently, MFC technology is rapidly evolving for electricity generation from renewabl resources

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Patent Search

Invention Title	A METHOD OF SYNCHRONIZED TWO WAY QUANTUM CHANNEL FOR QUANTUM KEY DISTRIBUTION (QKD)
Publication Number	36/2021
Publication Date	03/09/2021
Publication Type	INA
Application Number	201911036490
Application Filing Date	11/09/2019
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04L0009080000, H04B0010700000, H04L0009320000, G06F0001120000, H04L0007000000

Inventor

Name	Address	Country	Nati
RAMESH CHANDRA POONIA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY RAJASTHAN-303002, INDIA	India	Indi

Applicant

Name	Address	Country	Nationality
AMITY UNIVERSITY	E-27, DEFENCE COLONY NEW DELHI-110024, INDIA	India	India

Abstract:

The present invention relates to a system and a method of synchronized two way quantum channel for Quantum Key Distribution (QKD). The method uses a synchronized way quantum channel and an additional initial sequence is generated at the receiver's end to complete the process of quantum information transmission. Two terminal sy are required which are involved in the communication. Both systems first establish a key using the Quantum Key Distribution process. Then the data is sent in encrypted f over the communication channel using the key achieved through QKD process. In the process of key establishment a QKD unit is required at both the sender and receiver which will consist of microprocessor unit, LED Driver, Polarization unit and photon detector. A classical channel and a quantum channel (two-way) will also be required for communication between two terminals

Complete Specification

The present invention relates to the field of communication. The present invention in particular relates to a system and method for two-way quantum channel Quantum Key Distribution (QKD)

DESCRIPTION OF THE RELATED ART:
Aspects of quantum physics are being used in an approach to provide secure communication. Quantum cryptography applies the physics of information rather than rely on various mathematical techniques of traditional cryptography to restrict eavesdroppers from learning the contents of encrypted messages. Eavesdropping can be detected using quantum phenomena because measurements on the quantum carrier of information made by an eaverdropper disturb it, leaving traces of the disturban

Reference may be made to the following:
Publication No. US2007076871 (A1) relates to a secret key to encrypt and share data using quantum signals represented by an equiangular spherical code and using classical signals in authenticating the key. They can then proceed to use error correction and privacy amplification procedures to distill a shorter key which, with high probability, is identical for Alice and Bob and which Eve has low probability of knowing anything about. Instead of delving into the details of error correction and privacy amplification, a lower bound on the optimal rate of the distilled key, i.e., its length as a fraction of the raw key, may be used instead. This provides a reasonable guess as t what may be achieved in practice and is known to be achievable using one-way communication. The fidelity of Bob's reconstruction with the input state, averaged over

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Department of Industrial Policy and Promotion
Government of India

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Patent Search

Invention Title	ARTIFICIAL INTELLIGENCE AND NATURAL LANGUAGE PROGRAMMING BASED DETECTION OF LUNG INFECTION
Publication Number	50/2021
Publication Date	10/12/2021
Publication Type	INA
Application Number	202141055538
Application Filing Date	30/11/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06Q0050220000, G16H0050800000, G06F0040300000, G06F0040289000, G06Q0099000000

Inventor

Name	Address	Country	Nat
Ms. Prathibha Sudhakaran,Amity University	Research Scholar, Department of ASET Amity University SP-1 Kant Kalwar NH11C RIICO Industrial Area Jaipur Rajasthan India 303007	India	Indi
Dr Nagaraj G Cholli,RV college of Engineering	Associate professor, Department of Information science and Engineering, RV college of Engineering - Bengaluru Karnataka India 560059	India	Indi
Dr. R. Balakrishnan,Rathnavel Subramaniam College of Arts and Science (Autonomous)	Associate Professor, School of Computer Studies, Rathnavel Subramaniam College of Arts and Science (Autonomous) Sulur Coimbatore Tamilnadu India 641402	India	Indi
Dr. P. V. Ravindranath,Rathnavel Subramaniam College of Arts and Science (Autonomous)	Assistant Professor, School of Computer Studies, Rathnavel Subramaniam College of Arts and Science (Autonomous) Sulur Coimbatore Tamilnadu India 641402	India	Indi
Mr. Saurabh Jawahar Sanghavi,SVPM College of Pharmacy, Department of Pharmaceutics	Assistant Professor at SVPM College of Pharmacy, Department of Pharmaceutics Malegaon, Baramati Dist- Pune Maharashtra India 413 115	India	Indi
Mr. Beschi I S,Maruthupandiyar College	Research Scholar, Research & PG Department of Computer Science, Maruthupandiyar College Delhi Meerut Road Thanjavur Tamilnadu India 613403	India	Indi
Mrs . Ovi Omkar Paradkar (Gauri alias Pooja Mathurdas Naik),Lovely Professional University	Research scholar, Lovely Professional University & Assistant Professor, yashwantrao Bhonsale College of Pharmacy Sawantwadi Sindhudurg - Sawantwadi Maharashtra India 416510	India	Indi
Babu. T ,St. Joseph's College of engineering	Associate professor, Department of instrumentation and control engineering, St. Joseph's College of engineering - Chennai Tamil Nadu India 600119	India	Indi
Appasami G.,NIT Tiruchi	Research scholar, Department of Computer Applications, NIT Tiruchi - Tiruchirappalli Tamil nadu India 620015	India	Indi
Dr. M. Savithri,Dr. N.G.P. Arts and Science College	Associate Professor, Department of Computer Science, Dr. N.G.P. Arts and Science College - Coimbatore Tamilnadu India 641048	India	Indi
Dr. S. Gomathi alias Rohini,Sri Ramakrishna College of Arts and Science	Associate Professor, Department of Computer Applications, Sri Ramakrishna College of Arts and Science - Coimbatore Tamilnadu India 641006	India	Indi
Dr Ellampati Sunil Kumar,Seven Hills College of Pharmacy	Assistant Professor, Department of Pharmacy Practice, Seven Hills College of Pharmacy - Tirupati Andhra Pradesh India 517561	India	Indi

Applicant

Name	Address	Country	Nat
Ingeniouz	#23, Mosque Pallam, Saidapet	India	Indi
Ms. Prathibha Sudhakaran,Amity University	Research Scholar, Department of ASET Amity University SP-1 Kant Kalwar NH11C RIICO Industrial Area Jaipur Rajasthan India 303007	India	Indi
Dr Nagaraj G Cholli,RV college of Engineering	Associate professor, Department of Information science and Engineering, RV college of Engineering - Bengaluru Karnataka India 560059	India	Indi
Dr. R. Balakrishnan,Rathnavel Subramaniam College of Arts and Science (Autonomous)	Associate Professor, School of Computer Studies, Rathnavel Subramaniam College of Arts and Science (Autonomous) Sulur Coimbatore Tamilnadu India 641402	India	Indi
Dr. P. V. Ravindranath,Rathnavel Subramaniam College of Arts and Science (Autonomous)	Assistant Professor, School of Computer Studies, Rathnavel Subramaniam College of Arts and Science (Autonomous) Sulur Coimbatore Tamilnadu India 641402	India	Indi
Mr. Saurabh Jawahar Sanghavi,SVPM College of Pharmacy, Department of Pharmaceutics	Assistant Professor at SVPM College of Pharmacy, Department of Pharmaceutics Malegaon, Baramati Dist- Pune Maharashtra India 413 115	India	Indi
Mr. Beschi I S,Maruthupandiyar College	Research Scholar, Research & PG Department of Computer Science, Maruthupandiyar College Delhi Meerut Road Thanjavur Tamilnadu India 613403	India	Indi
Mrs . Ovi Omkar Paradkar (Gauri alias Pooja Mathurdas Naik),Lovely Professional University	Research scholar, Lovely Professional University & Assistant Professor, yashwantrao Bhonsale College of Pharmacy Sawantwadi Sindhudurg - Sawantwadi Maharashtra India 416510	India	Indi
Babu. T ,St. Joseph's College of engineering	Associate professor, Department of instrumentation and control engineering, St. Joseph's College of engineering - Chennai Tamil Nadu India 600119	India	Indi
Appasami G.,NIT Tiruchi	Research scholar, Department of Computer Applications, NIT Tiruchi - Tiruchirappalli Tamil nadu India 620015	India	Indi
Dr. M. Savithri,Dr. N.G.P. Arts and Science College	Associate Professor, Department of Computer Science, Dr. N.G.P. Arts and Science College - Coimbatore Tamilnadu India 641048	India	Indi
Dr. S. Gomathi alias Rohini,Sri Ramakrishna College of Arts and Science	Associate Professor, Department of Computer Applications, Sri Ramakrishna College of Arts and Science - Coimbatore Tamilnadu India 641006	India	Indi
Dr Ellampati Sunil Kumar,Seven Hills College of Pharmacy	Assistant Professor, Department of Pharmacy Practice, Seven Hills College of Pharmacy - Tirupati Andhra Pradesh India 517561	India	Indi

Abstract:

Threat of pandemic diseases is emerging in the current era, specifically lung disease acting as treat leading to death of huge population in the universe. Involvement of technology is demanded for innovative solutions in various aspects in perspective of pandemic disease. A hope is offered by Artificial Intelligence (AI) which can efficiently prevent, pre-empt and combat the threats of such epidemic infectious disease. Enormous potential is offered by AI concerning public health for revolutionizing healthcare can provide expansion for accessing health information along with its services which in turn enhances the responsibility of individual to know about their well being and h Natural language programming (NLP) is one of the subfield of AI aiming to bridge the gap between human language and computer language. Applications of AI are able to determine significance of text by using NLP by which machine is able to identify phrases and keywords related to pandemic disease such that infection rate is determined automatically from huge amount of datasets. NLP focuses on information processing and managing data to infer relationship between featured words in a prominent way

Complete Specification

Claims:1. The proposed system performs detection of infection rate of pandemic disease based on Artificial Intelligence.
2. Natural Language Programming (NLP) is involved in this system for bridging the gap between human language and computer language.
3. Symptoms such as cough, sore throat, fever, head ache are given significant importance for disease detection.
4. If the suspected symptoms occur continuously for a patient, he is counted for computation of infection rate.
5. Extraction of clinical information from primary health centre records using natural language processing algorithm.
6. NLP algorithm is also able to capture assertion status such as suspected, negated or affirmed along with duration of symptom.

, Description:• In this system, integration of data translation is involved as the primary health records can be in any language hence the translation process aims at changing medical data of any language into English as the ICD reference data issued by WHO (World Health Organization) is in English.

• Stemming and removing of stopwords changes the structure of medical data which still undergoes data translation into English followed by Access ICD data which is done for categorizing symptoms related to the disease symptoms. Feedback from ICD system is provided in the form of JSON file containing classification of symptoms c pandemic disease.

• If translation is appropriate, then classification is done accurately to related symptoms and if the translation result is not appropriate then data parsed to ICD is also the form of unclear data resulting in appropriate data.

• Web application is used in web design view for displaying the result on web page which indicates symptoms found in patients along with computation of infection ra of the disease

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Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2020104359

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

Name and address of patentee(s):

Ramesh Chandra Panda of Dean, Synergy, Institute of Engineering & Technology Dhenkanal Orissa India

Om Prakash of Department of Mechanical Engineering, Government Engineering College, Jagdalpur Bastar Chhattisgarh 494001 India

Prathibha B S of Department of Chemistry, BNM Institute of Technology, P.B. number: 7087, BSK II Stage Bengaluru 560070 India

Vikas Dubey of Department of Physics, Bhiali Institute of Technology Raipur Chhattisgarh 493661 India

Shweta Kulshreshtha of Amity Institute of Biotechnology, Amity University Rajasthan, RIICO Industrial area Jaipur Rajasthan 303002 India

Pravat Kumar Swain of Department of Chemistry, Satyasai Engineering College, (BPUT) Balasore Odisha 756002 India

Kavit S. Mehta of Department of Biotechnology, Mehsana Urban Institute of Sciences, Ganpat University Mehsana Gandhinagar Highway Ganpat Vidyanagar 384012 India

Shreerup Goswami of Department of Earth Sciences, Sambalpur University, Jyoti Vihar Sambalpur Odisha 768019 India

Md Osim Aquatar of AcSIR Doctoral Fellow, MAULANA AZAD NATIONAL FELLOW, CSIR-NEERI Nagpur Maharashtra 440020 India

Anil Kumar of Department of Mechanical Engineering, Bhilai Institute of Technology Durg Chattisgarh 491001 India

Rituraj Chandrakar of Department of Mechanical Engineering, NMDC DAV Polytechnic, Shri Atal Bihari Vajpaye Education City South Bastar Dantewada Chhattisgarh 494441 India

Sri Ram Krishna Mishra of Department of Civil Engineering, Bhilai Institute of Technology Raipur Chhattisgarh 493661 India

Title of invention:

MANUFACTURING METHOD OF COST EFFECTIVE WATER FILTER USING INDUSTRIAL FLY ASH WASTE

Name of inventor(s):

Panda, Ramesh Chandra; Prakash, Om; B. S., Prathibha; Dubey, Vikas; Kulshreshtha, Shweta; Swain, Pravat Kumar; Mehta, Kavit S.; Goswami, Shreerup; Aquatar, Md Osim; Kumar, Anil; Chandrakar, Rituraj and Krishna Mishra, Sri Ram

Term of Patent:

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 3rd day of March 2021

Commissioner of Patents

PATENTS ACT 1990

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

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2020104359

Eight years from 28 December 2020

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

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 3rd day of March 2021

Commissioner of Patents

PATENTS ACT 1990

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

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

(1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:

(a) a declaration that the threats are unjustifiable; and

(b) an injunction against the continuance of the threats; and

(c) the recovery of any damages sustained by the applicant as a result of the threats.

(2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A **Threats related to an innovation patent application or innovation patent and courts power to grant relief.**

Certain threats of infringement proceedings are always unjustifiable.

(1) If:

(a) a person:

(i) has applied for an innovation patent, but the application has not been determined; or

(ii) has an innovation patent that has not been certified; and

(b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be;

then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent

(2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

Courts power to grant relief in respect of threats made by the patentee of certified innovation patent

(3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

Schedule 1 **Dictionary**

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021100922

The Commissioner of Patents has granted the above patent on 14 April 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Ramesh Chandra Panda of (Dean) , Research & Development Cell, Synergy Institute of Engineering & Technology, Dhenkanal Orissa 759001 India

Vinaytosh Mishra of (Assistant Professor), FORE School of Management, New Delhi B-18 Qutub Institutional Area 110016 India

Pranati Rakshit of (Assistant Professor), Computer Science & Engineering, Department, JIS College of Engineering Block-A, Phase-Iii, Kalyani Nadia, West Bengal 741235 India

Ajantha Devi V of (Research Head), AP3 Solutions, Chennai Tamilnadu 600096 India

Shweta Kulshreshtha of Amity Institute of Biotechnology, Amity University Rajasthan, NH11C, Kant Kalwar RIICO Industrial Area, Jaipur Rajasthan India

Piyush Kumar Shukla of (Associate Professor), Department of CSE UIT RGPV BHOPAL MP 462033 India

Rudra Rameshwar of L.M.T.S.O.M., Thapar Institute of, Engineering and Technology, (Deemed-to-be-Univ ersity) Patiala Punjab 147004 India

Nitesh Singh Rajput of Amity School of Engineering and, Technology, Amity University Rajasthan, Jaipur, NH11C, Kant Kalwar RIICO industrial Area Jaipur, Rajasthan India

Anubha Parashar of Department of Computer Science and, Engineering Manipal University Jaipur RJ India

Souvik Pal of (Associate Professor), Head of the Department, Computer, Science & Engineering, Global Institute of Management and Technology Pal Para, NH 34, Krishnanagar, Nadia, West Bengal 741102 India

Sumanta Bhattacharya of (Assistant Professor – on Deputation), Under Indian Technical and Economic, Cooperation Prog- GOI) Gyalpozhing College of InfoTech. Royal University of Bhutan.Gyelposhing ,Gyalpozhing, Mongar 43002 Bhutan

Kali Charan Rath of (Associate Professor), Department of Mechanical Engineering, GIET University Gunupur Odisha India

Lokanath Dhall Samanta of (Professor), Electrical Engineering Department, Synergy Institute of Engineering & Technology Dhenkanal Orissa 759001 India

Title of invention:

Inexpensive Nail-fold Capillaroscopy for Early Detection of Cardio-Metabolic Disease

Name of inventor(s):

Panda, Ramesh Chandra; Mishra, Vinaytosh; Rakshit, Pranati; Devi V., Ajantha; Kulshreshtha, Shweta; Shukla, Piyush Kumar; Rameshwar, Rudra; Rajput, Nitesh Singh; Parashar, Anubha; Pal, Souvik; Bhattacharya, Sumanta; Rath, Kali Charan and Samanta, Lokanath Dhall

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 14th day of April 2021

Commissioner of Patents

PATENTS ACT 1990

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

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021100922

Term of Patent:

Eight years from 18 February 2021

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

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 14th day of April 2021

Commissioner of Patents

PATENTS ACT 1990

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

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

(1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:

(a) a declaration that the threats are unjustifiable; and

(b) an injunction against the continuance of the threats; and

(c) the recovery of any damages sustained by the applicant as a result of the threats.

(2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A **Threats related to an innovation patent application or innovation patent and courts power to grant relief.**

Certain threats of infringement proceedings are always unjustifiable.

(1) If:

(a) a person:

(i) has applied for an innovation patent, but the application has not been determined; or

(ii) has an innovation patent that has not been certified; and

(b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be;

then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent

(2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

Courts power to grant relief in respect of threats made by the patentee of certified innovation patent

(3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

Schedule 1 **Dictionary**

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021104270

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

Name and address of patentee(s):

Swatantra K S Kushwaha of Associate Professor, Pranveer Singh Institute of Technology Kanpur Uttar Pradesh 209305 India

Vikram Kumar of Amity Institute of Biotechnology, Amity University, Kant Kalwar Jaipur Rajasthan 303002 India

Shubhrajit Mantry of Associate Professor, HOD Department of Pharmaceutics, Sharadchandra Pawar College of Pharmacy Pune Maharashtra 410504 India

Sourav Mohanto of Assistant Professor, Bengal College of Pharmaceutical, Sciences & Research, Bidhannagar Durgapur West Bengal 713212 India

Bushra Fatma of Research Scholar, Pranveer Singh Institute of Technology Kanpur Uttar Pradesh 209305 India

Pallavi Tiwari of Associate Professor, Mahrishi College of Pharmacy, Parsara, Bharwari Kaushambhi UP 212201 India

Dipti Srivastava of Assistant Professor II, Amity Institute of Pharmacy, Lucknow, Amity University Sector 125, Noida UP 201313 India

Title of invention:

DESVENLAFAXINE SUCCINATE LOADED NANOSTRUCTURED LIPID CARRIER (NLC) FOR BRAIN TARGETING VIA NASAL ROUTE

Name of inventor(s):

Kushwaha, Swatantra K. S.; Kumar, Vikram; Mantry, Shubhrajit; Mohanto, Sourav; Fatma, Bushra; Tiwari, Pallavi and Srivastava, Dipti

Term of Patent:

Eight years from 17 July 2021

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

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 25th day of August 2021

Commissioner of Patents

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

(1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:

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(3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

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Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021102967

The Commissioner of Patents has granted the above patent on 17 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Jyotismita Talukdar of Assistant Professor, Assam Down Town, University (iNurture, Assam down town, University, Sankar Madhab Path Gandhi Nagar, Panikhaiti Guwahati, Assam 781026 India

Saroj Bohra of Director, Amity Law School, Amity University Rajasthan Jaipur 303002 India

A. Jenitta of Vice Principal, Professor in ECE, department, Idhaya Engineering College, for Women Chinnasalem Kallakurichi (Dt.) Tamilnadu India

Manjit Kour of Associate Professor, Chandigarh University, Gharaun Mohali Punjab 140413 India

Anup Kumar of Assistant Professor, 35 Km Milestone, Katol Road SH 248, Dorli, Nagpur Maharashtra 441502 India

Atthapu Thirupathaiah of ASST PROF, Dept of pharmaceutical, chemistry, University College of, science and informatics, Mahatma Gandhi University, Nalgonda Telangana 508254 India

Priyanka Dahiya of Asstt. Prof, School of Computing, DIT University Dehradun 248009 India

Gaurav Gupta of Assistant Professor, Yogananda School, of Artificial Intelligence Computers and, Data Science Shoolini University Solan (H.P) 173229 India

Raj Kumar of Associate Professor, School of Mechanical Civil & Electrical, Engineering Shoolini University Solan (H.P) 173229 India

Aarchit Joshi of Research Scholar, Yogananda School, of Artificial Intelligence Computers and, Data Science Shoolini University Solan (H.P) 173229 India

Sanjib Kalita of Assistant Professor, Dept of computer science, Gauhati University Assam 781014 India

Manas Paul of Academic Head, northeast region, iNurture Assam Down Town University Assam 781026 India

Ramesh Chandra Panda of Dean, Research & Development Cell, Synergy Institute of Engineering &, Technology Dhenkanal Odisha India

Title of invention:

IoT BASED METHOD AND SYSTEM FOR RAINWATER HARVESTING AND STORAGE BY CONVERTING IT TO DRINKABLE WATER

Name of inventor(s):

Talukdar, Jyotismita; Bohra,Saroj; Jenitta, A.; Kour, Manjit; Kumar, Anup; Thirupathaiah, Atthapu; Dahiya, Priyanka; Gupta, Gaurav; Kumar, Raj; Joshi, Aarchit; Kalita, Sanjib; Paul, Manas and Chandra Panda, Ramesh

Term of Patent:

Eight years from 29 May 2021

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 17th day of November 2021

Commissioner of Patents

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021102967

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

Dated this 17th day of November 2021

Commissioner of Patents

PATENTS ACT 1990

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Schedule 1 **Dictionary**

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent

Patent Search

Invention Title	A SIMPLE FOOD STORAGE AND PRESERVATION CHAMBER.
Publication Number	36/2016
Publication Date	31/08/2016
Publication Type	INA
Application Number	3126/DEL/2014
Application Filing Date	31/10/2014
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	FOOD
Classification (IPC)	A23L

Inventor

Name	Address	Country	Nati
DR. MANALI DATTA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI, NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi
DR. VINOD S. GOUR	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI, NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi
PREETI	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI, NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi

Applicant

Name	Address	Country	Nati
AMITY UNIVERSITY	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI, NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi

Abstract:

Complete Specification

FIELD OF INVENTION:
The present invention in general relates to a storage chamber for food preservation. More particularly, the present invention relates to a phototoxic chamber for preservation of food items at room temperature.
BACKGROUND AND PRIOR ART:
The fruits and vegetables, which are kept at room temperature, have a very low shelf life, due to high incidence of microbial growth. Reliable, hygienic storage of food is a major problem as most foods contain appreciable levels of moisture and fluids that provide nutrients to create a hospitable environment for microbial proliferation, which ultimately results in spoilage indicators such as food discoloration, slime and/or unpleasant odors.
Intensive research has been pursued to obtain handy solutions for increased shelf life for food products.
NZ Patent 560836 describes a food preservation system which includes a multiphase bacterial inhibition food pad. The food preservation system inhibits

View Application Status

Page last updated on: 26/06/2019

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INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

क्रमांक : 011121718
SL No :

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No.	:	334018
आवेदन सं. / Application No.	:	1783/DEL/2012
फाइल करने की तारीख / Date of Filing	:	11/06/2012
पेटेंटी / Patentee	:	AMITY UNIVERSITY RAJASTHAN

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित "DESIGN OF HORIZONTAL BIOREACTOR FOR SOLID STATE FERMENTATION PROCESSES" नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 11th day of June 2012 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled "DESIGN OF HORIZONTAL BIOREACTOR FOR SOLID STATE FERMENTATION PROCESSES" as disclosed in the above mentioned application for the term of 20 years from the 11th day of June 2012 in accordance with the provisions of the Patents Act,1970.

THE PATENT OFFICE GOVT. OF INDIA

अनुदान की तारीख : 05/03/2020
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, **11th day of June 2014**को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on **11th day of June 2014** and on the same day in every year thereafter.

Patent Search

Invention Title	"ENHANCEMENT OF SHIKONIN PRODUCTION OF AZOTOBACTER CHROOCOCCUM IN HAIRY ROOT CULTURES OF ARNEBIA HISPIDISSIMA (LEI DC"
Publication Number	49/2014
Publication Date	05/12/2014
Publication Type	INA
Application Number	1782/DEL/2012
Application Filing Date	11/06/2012
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	MICRO BIOLOGY
Classification (IPC)	C12Q

Inventor

Name	Address	Country	Nat
BHARAT SINGH	AMITY UNIVERSITY RAJASTHAN, KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi
AMRENDRA NATH PATHAK	AMITY UNIVERSITY RAJASTHAN, KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi

Applicant

Name	Address	Country	Nat
AMITY UNIVERSITY RAJASTHAN	AMITY UNIVERSITY RAJASTHAN, KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi

Abstract:

The present invention relates to a method for enhanced production of shikonin using co-culture medium of Arnebia hispidissima hairy root and an Azotobacter chroococc Azotobacter chroococcum facilitates the increased natural expression of shikonin by Arnebia hispidissima hairy root culture in the medium. The invention also relates to a effective method for commercial production of shikonin as medicinally important secondary metabolite.

Complete Specification

The present invention relates to a method for enhanced production of secondary metabolites. The present invention in particular relates to a method for enhanced production of shikonin using co-culture of Arnebia hispidissima hairy root and rhizobacterium.

DESCRIPTION OF THE RELATED ART:

Arnebia hispidissima is a perennial grass widely distributed in India, Persia, Pakistan and drier parts of Rajasthan (India). Roots are used in ulcers, boils, cuts, for heart ailments headache and fever. Water extract of flowering shoot is known for tongue and throat troubles, cardiac complaints, while the whole plant is used as a stimulant, tonic, diuretic and expectorant (Chopra et al., 1956; Kirtikar and Basu, 1.967; Anonymous, 1985; Annon, 1979; Jain and Defilipps, 1991; Trivedi, 2005).

The phytochemical studies revealed that the roots contain a dl-alkannin, a crystalline red solid, from A. euchroma (Romanova et al., 1968; Fu et al., 1984; Sharma et al., 2009; Song et al., 2010), arnebin derivatives have also been isolated from A. nobilis (Shukla et al., 1973), ß-hydroxyi so valerate and alkannin from A. hispidissima (Khan e al., 1983; Singh et al., 2004) and shikonin production has been well documented by hairy root cultures (Choudhary and Pal, 2010; Pal and Choudhary, 2010). The ethanoli extract of A. euchroma provided tormentic acid, 2α-hydroxyursolic acid (Yang et al., 1992), p-sitosterol (Nigam and Mitra, 1964). Fresh flowers of A. hispidissima, yielded a flavonoid namely vitexin (Hamdard et al., 1988). Several pyrrolidine alkaloids viz. echimidine, monocrotaline, supinine, heliotrine, 7, 9-tigloyl retronecine, 09 - angeloyl retronecine, rinderine and'others had been isolated from Arnebia species by various researchers (Gamila et al., 1987; Roeder and Rengel-Meyer, 1993; El-Dahmy and Ghani, 1995; Srivastav et al., 1999).

Pharmacologically and biologically the Arnebia hispidissima has antibacterial (Jain et al., 1999; El Sayed, 2010), antitumor (Sankawa et al., 1977; Mao et al., 2008; Xiong et 2009; Deng et al., 2010), anti-inflammatory (Tanaka et al

View Application Status

Department of Industrial Policy and Promotion
Government of India

Page last updated on: 26/06/2019

(https://rashtragaan.in/)

Patent Search

Invention Title	POINT OF CARE DIAGNOSTIC CHIP FOR KIDNEY DISORDER DETECTION USING MULTIWALLED CARBON NANOTUBE
Publication Number	40/2020
Publication Date	02/10/2020
Publication Type	INA
Application Number	201911011650
Application Filing Date	26/03/2019
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	PHYSICS
Classification (IPC)	G01N0027404000, G06F0017500000, G01N0033543000, C12M0001420000, C12Q0001000000

Inventor

Name	Address	Country	Nat
MANALI DATTA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi
DIGNYA RAMESHBHAI DESAI	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi

Applicant

Name	Address	Country	Nationali
AMITY UNIVERSITY	AMITY UNIVERSITY CAMPUS, SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA	India	India

Abstract:

The invention provides a point of care diagnostic chip design and diagnostic chip working. Point of care diagnostic chip consists of a simple three electrode system designe plastic strip, working electrode immobilized with probe (Papain) and working electrode with probe interacting with target molecule.

Complete Specification

FIELD OF INVENTION:

The present invention relates to the detection of Chronic Kidney Disease (CKD). The present invention in particular relates to utilization of a specific marker for detection of the anomaly, a functional protein molecule as the capture entity and conducive property multiwalled carbon nanotube (MWCNT) in electrodes.

DESCRIPTION OF THE RELATED ART:

Chronic Kidney Disease (CKD) is usually diagnosed by measuring, the rate at which the glomeruli in the kidney filter impurities in the blood, also known as glomerular filtration rate (GFR). Most of the diagnostic kits available estimate GFR rate by determining serum creatinine which is an endogenous substance in the blood that is cleared by the kidney. CKD is divided into 5 stages based on the severity of the disease and the division is determined by calculation of GFR (Glomerlular Filtration Rate). Based on the current

View Application Status

राष्ट्रीय मतदाता सेवा पोर्टल
NATIONAL VOTERS' SERVICES PORTAL

Page last updated on: 26/06/2019

(https://rashtragaan.in/)

Patent Search

Invention Title	PORTABLE FLUORESCENT NANOPLATFORM FOR THE DETECTION OF ANTIBIOTIC RESIDUES IN FLUID
Publication Number	33/2020
Publication Date	14/08/2020
Publication Type	INA
Application Number	201811037495
Application Filing Date	04/10/2018
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	PHARMACEUTICALS
Classification (IPC)	A61K 49/00

Inventor

Name	Address	Country	Nati
MANALI DATTA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	India
SHIVA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	India
DIGNYA DESAI	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	India
VASANTH RAGAVAN	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	India

Applicant

Name	Address	Country	Nationality
AMITY UNIVERSITY	E-27 DEFENCE COLONY NEW DELHI-110024, INDIA	India	India

Abstract:

The present invention relates a novel portable platform for the detection and screening of antibiotic residues in fluids. Developed detection platform consist of fluorescen metal nanoclusters packed inside a UV transparent capillary tube/container. Metal nanocluster are either coated or filled in a UV transparent sample holder.

Complete Specification

FIELD OF INVENTION:
The present invention relates to the field of detection of antibiotics residues in a sample. The present invention in particular relates to a novel portable fluorescence met nanoclusters based platform for the detection and screening of antibiotic residues in fluids e.g. water, milk etc.
DESCRIPTION OF THE RELATED ART:
Demand for safe potable water is increasing every day across the globe due to rising population, global warming, and industrialization. One of the emerging threats for water supply is the presence of hazardous pollutants in water. Among them antibiotics is a serious concern for public health. More than 80% of the antibiotics are used i farm animals, which get into water stream through the effluents and waste from the industry. Alarming levels of antibiotics residues in water sources increase the antibi resistance in natural microbial flora and pathogens. Improperly treated waste from hospitals aggravates the situation further. Fate of antibiotics during water treatment not a well-researched process, hence onsite rapid monitoring of these residues are critical to ensure public health.
Synthesized metal nanoclusters have fluorescence emission in the range of 250-300 nm when excited with shorter wavelength UV light. Interaction of metal nanocluster with antibiotic residues leads to quenching of the fluorescence proportional to the concentration of antibiotic residues in solution. Different classes of antibiotics were tested and found to have distinct quenching property.
Publication No. US2005014281 (Al) relates to detect the presence of residues in samples, using a color measurement to indicate whether or not the amount of residues i above a certain predetermined threshold. The arrangement is used to detect antibiotic residues, e.g. penicillin-G, in food products, e.g. milk, or body fluids, e.g. blood, ur
Publication No. CN107099284 (A) relates to a fluorescent nanomaterial Zn-PDC:Tb<3+> for selective detection of antibiotics. The synthesis route is as follows: a spindle-

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Patent Search

Invention Title	TURN-OFF FLUORESCENT QUENCHING CUM COLORIMETRIC (DUAL OUTPUT) DETECTION OF MELAMINE USING GALLIC ACID FUNCTIONALIS FLUORESCENT COPPER NANOCLUSTERS
Publication Number	32/2020
Publication Date	07/08/2020
Publication Type	INA
Application Number	201811028926
Application Filing Date	01/08/2018
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	PHYSICS
Classification (IPC)	G01N 21/00

Inventor

Name	Address	Country	Nat
JYOTI SHIVA SWARAJ VUTUKURU	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi
NAVEEN KUMAR	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi

Applicant

Name	Address	Country	Nationality
AMITY UNIVERSITY	E-27 DEFENCE COLONY NEW DELHI-110024, INDIA	India	India

Abstract:

The present invention relates to turn-off fluorescent quenching cum colorimetric (dual output) detection method of melamine using Gallic acid functionalised fluorescent (nanoclusters. L-ascorbic acid stabilized copper nanoclusters modified with gallic acid are used for 'turn-off 'fluorescence quenching' based detection of melamine. The me an aqueous (liquid) based assay and gives both colorimetric and fluorescence quenching.

Complete Specification

FIELD OF INVENTION:
The present invention relates to the field of sensors. The present invention in particular relates to turn-off fluorescent quenching cum colorimetric (dual output) detectio method of melamine using Gallic acid functionalised fluorescent Copper nanoclusters.
DESCRIPTION OF THE RELATED ART:
Melamine (l,3,5-triazine-2,4,6-triamine) is an organic compound used to adulterate milk and milk products, pet food and infant formulas for increasing their apparent protein content, which upon consumption is hazardous and leads to kidney problems, kidney failure and ultimately death. The inability of Kjeldhal test and Dumas (N2 content estimation) test have led to development of many methods available now which are based on equipment that are very costly (e.g. HPLC, GC/MS) or nanotechnol based (e.g. Aptamer Based, Carbon nanodots, gold nanoclusters) that either give fluorescence/ fluorescence quenching output or colorimetric output. Reference may be made to the following-Publication No. CN105866087 (A) relates to the melamine concentration fluorescent sensor characterized in that electrostatic attraction acting for is utilized to prepare a positively-charged nano hydrotalcite laminate and modified negatively-charged nano silver cluster guest molecules into a composite film through super-molecule layer-by-layer assembling method, and the fluorescent responses of the film sensor to the melamine solutions of different concentrations are inspected. The publication is a 'turn-on' fluorescence based method which uses positively charged nano-hydrotalcite laminate and negatively charged modified 'silver' nanoclusters into a film through a layer-by-layer assembling method for melamine detection.
Publication No. CN101846631 (B) relates to a method for quickly testing melamine content in milk powder by using a gold nanoparticle colorimetric method, which belor to the technical field of analytical chemistry. The invention comprises the steps of preparing gold nanoparticles (AuNPs), derivatizing crown ether, conjugating gold

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Patent Search

Invention Title	MACHINE LEARNING BASED SMART TRANSPORTATION SYSTEM WITH TRAFFIC ESTIMATION FOR BIG DATA ANALYTICS
Publication Number	39/2020
Publication Date	25/09/2020
Publication Type	INA
Application Number	202041039998
Application Filing Date	15/09/2020
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRONICS
Classification (IPC)	G08G0001010000, G06N0020000000, G08G0001096700, G08G0001090000, G08G0001160000

Inventor

Name	Address	Country	Nat
Dumpa Prasad, Sasi Institute of Technology and Engineering	Sasi Institute of Technology and Engineering Sasi College Road, West Godavari District, near Aerodrome, Tadepalligudem Andhra Pradesh India 534101	India	Indi
Dr. Pankaj Kumar, Noida Institute of Engineering & Technology	Noida Institute of Engineering & Technology 19, Institutional Area, Knowledge Park II Greater Noida Uttar Pradesh India 201306	India	Indi
Pushpa Gothwal, Amity University Rajasthan	Amity University Rajasthan NH11C Kant Kalwar, RIICO Industrial Area, Jaipur Rajasthan India 303007	India	Indi
Solipuram Anjan Reddy	Villa 10 Villa Greens, Gandipet, R.R.District Telangana India 500075	India	Indi
Dr. Sandeep Ponde, NCRD's Sterling Institute of Management Studies	NCRD's Sterling Institute of Management Studies Opp Seawood Rly.Stn, Nerul (E) Navi Mumbai Maharashtra India 400706	India	Indi
S. Karthik, PSG College of Arts & Science	PSG College of Arts & Science Civil Aerodrome Post Coimbatore Tamilnadu India 641014	India	Indi
SM Saravanakumar, PSG College of Arts & Science	PSG College of Arts & Science Civil Aerodrome Post Coimbatore Tamilnadu India 641014	India	Indi
Dr. Somashekhar I C, Vidyavardhaka College of Engineering	Vidyavardhaka College of Engineering P.B. No.206, Kannada Sahithya Parishath Rd, III Stage, Gokulam Mysuru Karnataka India 570002	India	Indi
Swaraj Paul C, Vels Institute of Science, Technology and Advanced Studies (VISTAS)	Vels Institute of Science, Technology and Advanced Studies (VISTAS) Velan Nagar, Pallavaram Chennai Tamilnadu India 600117	India	Indi

Applicant

Name	Address	Country	Nat
Dumpa Prasad, Sasi Institute of Technology and Engineering	Sasi Institute of Technology and Engineering Sasi College Road, West Godavari District, near Aerodrome, Tadepalligudem Andhra Pradesh India 534101	India	Indi
Dr. Pankaj Kumar, Noida Institute of Engineering & Technology	Noida Institute of Engineering & Technology 19, Institutional Area, Knowledge Park II Greater Noida Uttar Pradesh India 201306	India	Indi
Pushpa Gothwal, Amity University Rajasthan	Amity University Rajasthan NH11C Kant Kalwar, RIICO Industrial Area, Jaipur Rajasthan India 303007	India	Indi
Solipuram Anjan Reddy	Villa 10 Villa Greens, Gandipet, R.R.District Telangana India 500075	India	Indi
Dr. Sandeep Ponde, NCRD's Sterling Institute of Management Studies	NCRD's Sterling Institute of Management Studies Opp Seawood Rly.Stn, Nerul (E) Navi Mumbai Maharashtra India 400706	India	Indi
S. Karthik, PSG College of Arts & Science	PSG College of Arts & Science Civil Aerodrome Post Coimbatore Tamilnadu India 641014	India	Indi
SM Saravanakumar, PSG College of Arts & Science	PSG College of Arts & Science Civil Aerodrome Post Coimbatore Tamilnadu India 641014	India	Indi
Dr. Somashekhar I C, Vidyavardhaka College of Engineering	Vidyavardhaka College of Engineering P.B. No.206, Kannada Sahithya Parishath Rd, III Stage, Gokulam Mysuru Karnataka India 570002	India	Indi
Swaraj Paul C, Vels Institute of Science, Technology and Advanced Studies (VISTAS)	Vels Institute of Science, Technology and Advanced Studies (VISTAS) Velan Nagar, Pallavaram Chennai Tamilnadu India 600117	India	Indi

Abstract:

Development of a tool that can predict accurate flow of traffic information is essential in the current era. Traffic environment indicates everything affecting smooth flow of causing traffic jam on road that includes traffic signals, maintenance of roads, rallies and unexpected accidents. If prior information is provided to rider then probability of blockage is reduced as he rider is able to take informed decision. Such system can be utilized in autonomous vehicles of future generation. In this invention, concept of big utilized for generating traffic data exponentially and machine learning is used along with soft computing and deep learning algorithms for analyzing big data with huge dat transportation system with reduced complexity. Recognition of traffic signs is done based on image processing algorithms which can also be utilized for training autonomo vehicles. It is possible to forecast the flow of traffic based on this invention as traffic prediction models are involved in order to handle applications in real time.

Complete Specification

Claims:1. Machine learning algorithm is involved for modeling the traffic prediction based on big data analytics.
2. Higher accuracy is achieved than the existing algorithms even though the involved dataset of larger dimension.
3. Web server is integrated along with the application which improves issues related to complexity throughout the dataset.
4. Traffic management can be done using this system in smart cities for avoiding traffic congestion on road with prior prediction of traffic.
5. Traffic management during emergencies where driver will be able to get shortest path and fastest route to the destination along with Management of parking system, criminal tracking.
6. Machine learning algorithm is used to analyze the big data involve in transportation system. , Description:? In this invention, Machine learning algorithm is involved for predicting the traffic for smart transportation system where machine learning involves statistical model and algorithms utilized by computer for performing a required ta in this case smart transportation.
? Conventionally GPS navigation is utilized for determining ratio of traffic using central servers of traffic management, where collected data used in constructing city's current traffic implemented as traffic prediction and congestion prediction on the roads in real time.
? Data collected is sent to machine learning algorithm based on which prediction of traffic or congestion on road is done. Mechanism run for the proposed system of sm transportation is shown as follows:
Procedure RunMechanism()
1. #Load Training set

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Patent Search

Invention Title	ARTIFICIAL NEURAL NETWORK BASED MACHINE LEARNING INTRUSION DETECTION IN WIRELESS NETWORK USING FEATURE SELECTION
Publication Number	43/2020
Publication Date	23/10/2020
Publication Type	INA
Application Number	202011042949
Application Filing Date	02/10/2020
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06K 9/62 H04L 29/06 G06N 20/00

Inventor

Name	Address	Country	Nat
Pushpa Gothwal, Amity University Rajasthan	Amity University Rajasthan NH11C Kant Kalwar, RIICO Industrial Area, Jaipur Rajasthan India 303007	India	Indi
Dr. I. D. Soubache, Rajiv Gandhi College Of Engineering and Technology	Rajiv Gandhi College Of Engineering And Technology Pondy Cuddalore, East Coast Road, Kirumampakkam Puducherry Puducherry India 607403	India	Indi
Ankur Gupta, Vaish College of Engineering	Vaish College of Engineering Rohtak Station Diary Mohalla Rohtak Haryana India 124001	India	Indi
Dr. V. S. Bhagavan, Koneru Lakshmaiah Education Foundation Deemed to be University	Koneru Lakshmaiah Education Foundation, Deemed to be University Green Fields, Vaddeswaram, Guntur Andhra Pradesh India 522502	India	Indi
Dr. R. Prema, Hindusthan College of Arts and Science	Hindusthan College of Arts and Science Avinashi Road Coimbatore Tamilnadu India 641 028	India	Indi
Dr. A.P. Jagadeesan, R.V.S. College of Engineering	R.V.S. College of Engineering RVS Nagar, Karur Road, N. Paraipatty Post Dindigul Tamilnadu India 624005	India	Indi
K Ranjit Kumar, Annamalai University	Annamalai University Annamalai Nagar Chidambaram Tamilnadu India 608002	India	Indi
K. Manikandan, Government Arts College - Autonomous	Government Arts College - Autonomous Karuppur Road, Kumbakonam Tamil Nadu India 612002	India	Indi
Dhruvang Suthar	8,vaibhav bunglows near visat petrol pump Gandhinagar highway, Sabarmati Ahmedabad Gujarat India 382424	India	Indi

Applicant

Name	Address	Country	Nat
Pushpa Gothwal, Amity University Rajasthan	Amity University Rajasthan NH11C Kant Kalwar, RIICO Industrial Area, Jaipur Rajasthan India 303007	India	Indi
Dr. I. D. Soubache, Rajiv Gandhi College Of Engineering and Technology	Rajiv Gandhi College Of Engineering And Technology Pondy Cuddalore, East Coast Road, Kirumampakkam Puducherry Puducherry India 607403	India	Indi
Ankur Gupta, Vaish College of Engineering	Vaish College of Engineering Rohtak Station Diary Mohalla Rohtak Haryana India 124001	India	Indi
Dr. V. S. Bhagavan, Koneru Lakshmaiah Education Foundation Deemed to be University	Koneru Lakshmaiah Education Foundation, Deemed to be University Green Fields, Vaddeswaram, Guntur Andhra Pradesh India 522502	India	Indi
Dr. R. Prema, Hindusthan College of Arts and Science	Hindusthan College of Arts and Science Avinashi Road Coimbatore Tamilnadu India 641 028	India	Indi
Dr. A.P. Jagadeesan, R.V.S. College of Engineering	R.V.S. College of Engineering RVS Nagar, Karur Road, N. Paraipatty Post Dindigul Tamilnadu India 624005	India	Indi
K Ranjit Kumar, Annamalai University	Annamalai University Annamalai Nagar Chidambaram Tamilnadu India 608002	India	Indi
K. Manikandan, Government Arts College - Autonomous	Government Arts College - Autonomous Karuppur Road, Kumbakonam Tamil Nadu India 612002	India	Indi
Dhruvang Suthar	8,vaibhav bunglows near visat petrol pump Gandhinagar highway, Sabarmati Ahmedabad Gujarat India 382424	India	Indi

Abstract:

In this invention, a novel system is developed based on supervised machine learning which is able classify network traffic whether it is benign or malicious. Best model is f based on success rate of detection hence feature selection method is integrated with supervised learning algorithm in this invention. Based on research Artificial Neural N (ANN) is found to be outperform than support vector machine (SVM) as the proposed invention involves machine learning along with wrapper feature selection in order tc network traffic. Intrusion detection is the first step in prevention security attack. Network traffic is classified by this system using both SVM algorithm and ANN algorithm b utilizing NSL-KDD dataset. It is found that success rate of intrusion detection for the proposed Artificial Intelligence based Machine learning algorithm for wireless network comparatively efficient than SVM algorithm.

Complete Specification

In the current era, usage of Internet is spreading which in turn increasing usage of online content in all fields thereby increasing the rate of cybercrime. First step involved in preventing security attack in cybercrime is intrusion detection. Researchers are attracted much towards security solutions such as Unified Threat Modeling (UTM), Firewall, Intrusion Prevention System (IPS) and Intrusion Detection System (IDS) in network security. Cyber attacks are detected by IDS systems from various sources and networks by collection of information and then analyzing it through security breaches.
IDS based on network, analyses data packets travelling over the network where the analysis is done by two methods namely anomaly based detection and signature based detection. Anomaly based intrusion detection undergoes several challenges as it has deal with novel attacks whose prior knowledge is not known such that the anomaly can be identified. Hence it is necessary for the system to be intelligent such that it somehow segregates the data traffic into harmless traffic and malicious traffic sent by anomalous users. This feature is achieved by utilizing

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Patent Search

Invention Title	A METHOD OF SEPARATION OF NICKEL BY MIRCOORGANISMS
Publication Number	11/2019
Publication Date	15/03/2019
Publication Type	INA
Application Number	201711024350
Application Filing Date	11/07/2017
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	PHYSICS
Classification (IPC)	G01N33/569

Inventor

Name	Address	Country	Nati
DIVYA PRAKASH	AMITY UNIVERSITY RAJASTHAN, KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002 INDIA	India	India
AYUSH SHARMA	AMITY UNIVERSITY RAJASTHAN, KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002 INDIA	India	India
AYUSHI BHARGAVA	AMITY UNIVERSITY RAJASTHAN, KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002 INDIA	India	India
MUKUL ANAND	AMITY UNIVERSITY RAJASTHAN, KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002 INDIA	India	India

Applicant

Name	Address	Country	Nationality
AMITY UNIVERSITY	E-27 DEFENCE COLONY NEW DELHI-110024 INDIA	India	India

Abstract:

The present invention provides removal of nickel from used surgical instruments made up of Titanium by the action of microbes so that these instruments can be reused. microorganism uptake Ni and the rest surgical instruments can be reused.

Complete Specification

FIELD OF INVENTION:
The present invention relates to the field of methods for removal of metal toxicity. The present invention in particular relates to removal of nickel toxicity from used surg instruments made up of Titanium by the action of microbes so that these instruments can be reused.
DESCRIPTION OF THE RELATED ART:
In medical sciences the doctor is continuously using titanium based surgical instruments. But these titanium medical instruments have a certain period of life all because after an interval of time there is a collection of Nickel on these instruments which further leads to contamination of the instruments and further leading to toxicity in tha living organism where it is used. Efforts have been made to reduce the metal toxicity in plants and living organisms. Reference may be made to the following-Publication CA2262245 relates to an agent which ameliorates apparent toxicity of one or more heavy metals to a plant. The invention provides method and bacterium to reduce hea metal toxicity of Nickel in plants.
EP2361312 relates to production of alcohols by microbial fermentation of substrates comprising CO. It more particularly relates to the provision of an improved fermentation media, comprising nickel, to a fermentation system such that one or more micro-organisms convert a substrate comprising CO to one or more alcohols, su as ethanol. In particular embodiments, a microbial culture is provided with at least IO^IM nickel, such that CO uptake by the microbial culture increases and ethanol productivity improves.
W09533767 discloses a nickel binding protein and its encoding DNA isolated from Helicobacter pylori. This organism is the primary cause of chronic gastritis and ensuing peptic ulcers, and has been implicated in stomach cancer. The nickel binding protein is useful to inhibit assembly of active ureases, the enzymes responsible for the

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Patent Search

Invention Title	A SYSTEM AND METHOD FOR TREATMENT OF PROBLEMS BY HERBAL SOLUTIONS
Publication Number	10/2019
Publication Date	08/03/2019
Publication Type	INA
Application Number	201711014574
Application Filing Date	25/04/2017
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	MECHANICAL ENGINEERING
Classification (IPC)	A61B5/7435

Inventor

Name	Address	Country	Nati
SHWETA KULSHRESHTHA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11 C, JAIPUR- DELHI NATIONAL HIGWAY JAIPUR RAJASTHAN-303002 INDIA	India	Indi
VIGI CHAUDHARY	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11 C, JAIPUR- DELHI NATIONAL HIGWAY JAIPUR RAJASTHAN-303002 INDIA	India	Indi
SWETA SINGH	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11 C, JAIPUR- DELHI NATIONAL HIGWAY JAIPUR RAJASTHAN-303002 INDIA	India	Indi

Applicant

Name	Address	Country	Nationality
AMITY UNIVERSITY	E-27 DEFENCE COLONY NEW DELHI-110024 INDIA	India	India

Abstract:

The invention provides an herbal solution for curing the problem of dental decay. The herbal solution has been used as mouthwash to remove dental sensitivity, cavity rel problems. The herbal solution includes extract of jasmine along with some stabilizers and preservatives and natural sweetners to cure dental problems.

Complete Specification

FIELD OF INVENTION:
The present invention in general relates to a system and method for an improved solution and, more particularly, to a solution which is useful for curing the dental decay
BACKGROUND AND PRIOR ART:
Clean mouth like washing hands as required. But anywhere out toothpaste, toothbrushes, but vinrealistic, mouthwash can then come forward and act as the burden it c be anywhere at any time that you clean the mouth, teeth erosion refused residues, in addition, it will also be mouthwash, tooth loss in the elderly, children do not brush your teeth and cannot stand the best choice for dental patients brushing oral hygiene security.
Reference may be made to the following:
Publication No. CN104306253 relates to a jasmine tea mouthwash, comprising the following components: 0.02-0.05% flavors, food coloring 0.01-0.04%, 0.03-0.07% surfactant, sodium fluoride 0.03-0.07%, 0.04-0.07% strontium chloride, alcohol 7-12%, 0.07-0.09% thymol, cetyl chlorine 0.03-0.07%, jasmine tea extract 0.3-0.7% remaini component is water. The advantage is that: one jasmine tea mouthwash, taste fresh, easy to use, oral health effects.
Publication No. WO2012059874 (A 1) relates to an herbal cleansing composition comprising extracts from five plants, namely, Emblica officinalis, Terminalia chebula, Terminalia bellerica, Glycyrrhiza glabra and Azadiracta indica. The herbal cleansing composition is used as an oral wash for delaying the onset of oral mucositis in Cancer patients undergoing radiotherapy treatment.
Publication No. CN104107161 (A) discloses a mouthwash used for nursing the oral cavity. The mouthwash is prepared from the following components by mass: 20 to 30 a traditional Chinese medicine concentrate I, 20 to 30% of a traditional Chinese medicine concentrate II, 10 to 20% of scented tea juice, 2 to 8% of tea polyphenol, 1 to 3%

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Patent Search

Invention Title	A METHOD FOR SEPARATION OF THE DYES USED IN THE PRINTING OF FLEX BY USING BIO-ADSORBENT
Publication Number	10/2019
Publication Date	08/03/2019
Publication Type	INA
Application Number	201711013700
Application Filing Date	18/04/2017
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	POLYMER TECHNOLOGY
Classification (IPC)	C08J9/42

Inventor

Name	Address	Country	Nati
DIVYA PRAKASH	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002 INDIA	India	India

Applicant

Name	Address	Country	Nationality
AMITY UNIVERSITY	DEFENCE COLONY NEW DELHI, DELHI-110024 INDIA	India	India

Abstract:

The invention provides a method for separation, recycling and reuse of dyes used in printing a polyvinyl chloride sheet (PVC). The PVC sheet is a flex used in advertising ma generally. The separation of dyes from the flex is carried out using a bio-absorbent.

Complete Specification

FIELD OF INVENTION:
The present invention in general relates to a method for discoloration of plastic materials and, more particularly to a method for separation of the dyes used in the print of flex by using a bio-adsorbent.
BACKGROUND AND PRIOR ART:
Polyvinyl chloride commonly known as PVC is the world's third-most widely produced synthetic plastic polymer, after polyethylene and polypropylene. Flex is a sheet of F Vinyl Chloride (PVC) widely used to deliver high quality digital print for outdoor hoardings and banner mainly printed by large color solvent ink printers in CMYK mode.
Most superficial stains can be removed by dissolving, emulsifying, or oxidizing the material causing the stain. Conventional stain removers are not suitable for polymeric plastics such as vinyl plastics, however, because in most cases the material causing the stain dissolves in the polymer and/or in the plasticizer and migrates into the inter of the plastic where it is not affected by conventional surface stain removers.
Recycling of post-consumer plastic materials has been practiced for many years; the presence of dyes in colored plastics regularly confounds the recycling process when recycled material stream is intended to be subsequently used in the manufacture of clear materials. *
Reference may be made to the following:
Publication No. WO2014047620 (Al) relates to the recycling of colored thermoplastic. A thermoplastic that is to be recycled is washed, flaked or pelletized, and then supp to a solid-state reactor in the process of converting waste plastic into recyclable articles. The heating of recyclable plastic containing sublimable colorants could undesira result in the deposition of such colorants in the solid-state reactor

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Patent Search

Invention Title	LINOCIN M18 IMMOBILIZED ON FOOD GRADE PACKAGING FILM AND ITS METHOD THEREOF
Publication Number	31/2019
Publication Date	02/08/2019
Publication Type	INA
Application Number	201811003803
Application Filing Date	01/02/2018
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	CHEMICAL
Classification (IPC)	C07K14/36

Inventor

Name	Address	Country	Nat
GAJENDER KUMAR ASERI	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR- DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi
VISHAKHA SHARMA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR- DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi

Applicant

Name	Address	Country	Nationali
AMITY UNIVERSITY	AMITY UNIVERSITY CAMPUS, SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA	India	India

Abstract:

The present invention provides Linocin MI8 from Bacillus .subtilis VS immobilized film and its method of purification. The film produces is more stable, and its purification effective. It works against gram positive and negative bacteria both, which indicate its applicability is higher than older one.

Complete Specification

FIELD OF INVENTION:
The present invention relates to Linocin MI8 from Bacillus subtilis VS immobilized film.
The present invention in particular relates to a method for producing and purifying Linocin M 18 and preparing Linocin M 18 {Bacillus subtilis VS) immobilized film.
DESCRIPTION OF THE RELATED ART:
Food preservation has become a major issue with the increasing demand of high quality safe food due to our ever growing population. Consumer demands for faster, healthier and ready-to-eat products which strongly increase the need of natural preservatives instead of chemical preservatives (Bali et a/., 2016). Presently food industries are dependent on chemical preservatives which are severely impacting human health and causes life threatening diseases like Cancer, Heart Disease, Obesity, Diabetes, Stroke, Infertility, Chronic obstructive pulmonary disease (COPD), Alzheimer's disease etc (Asha, 2015). Several physical and chemical treatments employed to increase the shelf-life of food but these treatments lead some health problems, bacteriocins offers an alternative to'chemical preservatives as they are safe antimicrobial compounds (Khan et al., 2013). A diverse range

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Patent Search

Invention Title	A NONINVASIVE DEVICE FOR MEA
Publication Number	31/2019
Publication Date	02/08/2019
Publication Type	INA
Application Number	201811003796
Application Filing Date	01/02/2018
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRONICS
Classification (IPC)	A61N1/36014

Inventor

Name	Address	Country	Nationalit
NIDHI CHAUHAN	AMITY UNIVERSITY CAMPUS, SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA	India	India
UTKARSH JAIN	AMITY UNIVERSITY CAMPUS, SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA	India	India

Applicant

Name	Address	Country	Nationali
AMITY UNIVERSITY	AMITY UNIVERSITY CAMPUS, SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA	India	India

Abstract:

The present invention provides a noninvasive device for MEA. The invention provides development of a novel sensor for the detection of cysteamine based on Cyclic Voltar EIS study and Chronoamperometry using molecularly engraved polymer on working electrode for the oral samples. In the present invention, MAA based cysteamine impri polymer is prepared on the electrode to detect the different concentrations of Cysteamine found in the oral samples.

Complete Specification

FIELD OF INVENTION:
The present invention in particular relates to the field of and more specifically relates to a noninvasive device for MEA.
DESCRIPTION OF THE RELATED ART:
P-Mercaptoethylamine (MEA) or Cysteamine is associated with side effects causing Ehlers-Danlos Syndrome (EDS), ulcers in the stomach and intestines, severe skin rashes, central nervous symptoms, diminished WBC counts, increased alkaline phosphatase, and idiopathic intracranial hypertension (IIH). The hyper tension may further lead to headache, ears problems, dizziness, blurry vision, nausea, severe loss of vision, and pain behind the eye and during eye movement. Furthermore, It is naturally occurring compound and biologically synthesized by the degradation of coenzyme A in animals and is utilized by the body to make homotaurine. Moreover, Cysteamine also stimulate the transport of L-cysteine into cells which then used to synthesize glutathione, an intracellular potent antioxidants. Cysteamine comes under the category of amino thiol compounds. It

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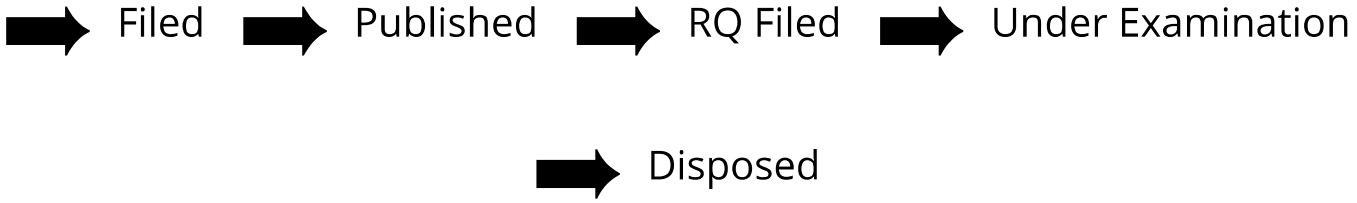
Application Details	
APPLICATION NUMBER	201811008350
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/03/2018
APPLICANT NAME	AMITY UNIVERSITY
TITLE OF INVENTION	A METHOD FOR PRODUCTION AND PURIFICATION OF BLIS FROM ACINETOBACTER MOVANAGHRENSIS AS ISOLATED FROM GOAT RECTUM
FIELD OF INVENTION	FOOD
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	passali@amity.edu
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	13/09/2019

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

View Documents



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Patent Search

Invention Title	CAPTURING AND SPATIAL MOVEMENT OF HUMAN MIND THOUGHTS THROUGH WIRELESS SENSOR NETWORK
Publication Number	25/2018
Publication Date	22/06/2018
Publication Type	INA
Application Number	201611042944
Application Filing Date	16/12/2016
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04N21/63,

Inventor

Name	Address	Country	Nati
ARUN KUMAR DUA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002, INDIA	India	Indi

Applicant

Name	Address	Country	Nationality
AMITY UNIVERSITY	E-27 DEFENCE COLONY, NEW DELHI-110024, INDIA	India	India

Abstract:

The present invention provides a system and method for enabling human beings to communicate by way of their monitored brain activity. The brain activity of an individu monitored and!transmitted to a remote location (e.g. by satellite). At the remote location, the monitored brain activity is compared with pre-recorded normalized brain act curves, waveforms, or patterns to determine if a match or substantial match is found. If such a match is found, then the computer at the remote location determines that individual was attempting to communicate the word, phrase, or thought corresponding to the matched stored normalized signal.

Complete Specification

FIELD OF INVENTION:;"
The present invention relates to the field of Wireless Sensor Network (WSN) based communication technology. The present invention more particularly relates to a system and method for enabling human beings to communicate with one another by monitoring brain activity.
BACKGROUND AND PRIOR ART:
Indian cultural Upanishacl says that Human has Speech of Speech, Mind of Mind, and Hearing of Hearing. In other words, what we speak is part of what we intend to speak, what we hear and retained for usage is part of what all we heard and what our mind reflects, retain and processes for action is also part of what it intends out of many options. Our thought processes are categorized in our mind at under Less than 300 Hertz(Hz). While we have many such less than 300 Hz thoughts undergo in mind at a particular moment, what we speak is one of them as more than 300 Hz as speech at that moment. Our minds filters and synchronize words and a coherent speech are our output. Generally when we dialog with other

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Patent Search

Invention Title	DFIAGNOSTIC KIT FOR KIDNEY DISORDER USING MULTIWALLED CARBON NANOTUBE
Publication Number	02/2018
Publication Date	12/01/2018
Publication Type	INA
Application Number	3993/DEL/2015
Application Filing Date	08/12/2015
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	BIO-MEDICAL ENGINEERING
Classification (IPC)	A61B 1/00

Inventor

Name	Address	Country	Nati
MANALI DATTA	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN,INDIA	India	Indi
JOHN STEPHEN BJORN	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN,INDIA	India	Indi

Applicant

Name	Address	Country	Nati
AMITY UNIVERSITY	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN,INDIA	India	Indi

Abstract:

The present invention relates to a novel diagnostic kit for the detection of chronic kidney disorder (CKD) in human and animals using enzyme preferably protease conjugat MWCNT. immobilized on a glass slide and a substrate for the protease. The invention uses two inhibitors against cysteine protease such as but not limited to phenylmethanesulfonyl fluoride or phenylmethylsulfonyl fluoride (PMSF) and antipain hydrochlordide.

Complete Specification

FIELD OF INVENTION:
The present invention relates to diagnosis of kidney disorders. The present invention in particular relates to a diagnostic kit for kidney disorder using multiwalled carbon nanotube (MWCNT).
DESCRIPTION OF THE RELATED ART:
Chronic Kidney Disease (CKD) is usually diagnosed by measuring, the rate at which the glomeruli in the kidney filter impurities in the blood, also known as glomerular filtration rate (GFR). Most of the diagnostic kits available estimate GFR rate by determining serum creatinine which is an endogenous substance in the blood that is cleared by the kidney. However it has been reported that few protease inhibitors are released in the urine during CKD. For example low molecular weight protein cystatin C is more reliable biomarker for detection of kidney function. Additionally, cystatin C is solely filtered by the glomerulus and not secreted by renal tubules, are just some of the advantages cystatin C has over serum creatinine

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Patent Search

Invention Title	DIVA TECHNOLOGY FOR PARATUBERCULOSIS VACCINE
Publication Number	46/2018
Publication Date	16/11/2018
Publication Type	INA
Application Number	201711016280
Application Filing Date	09/05/2017
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	CHEMICAL
Classification (IPC)	C07K14/35

Inventor

Name	Address	Country	Nati
JAGDIP SINGH SOHAL	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002 INDIA	India	Indi
SUJATA JAYARAM	AMITY UNIVERSITY RAJASTHAN KANT KALWAR, NH-11C, JAIPUR DELHI NATIONAL HIGHWAY JAIPUR RAJASTHAN-303002 INDIA	India	Indi

Applicant

Name	Address	Country	Nationali
AMITY UNIVERSITY	AMITY UNIVERSITY CAMPUS, SECTOR-125 NOIDA UTTAR PRADESH-201313 INDIA	India	India

Abstract:

The invention provides a system and method of DIVA technology for paratuberculosis vaccine. Four proteins present in the secretome of Mycobacterium avium "subspecie paratuberculosis (MAP) absent from M tuberculosis complex were selected for developing DIVA for whole cell inactivated vaccine.

Complete Specification

FIELD OF INVENTION:
The present invention in general relates to a system and method for DIVA technology which refers to differentiate infected and vaccinated animals and, more particularly to DIVA technology for paratuberculosis whole cell inactivated vaccine.
BACKGROUND AND PRIOR ART:
Paratuberculosis disease caused by Mycobacterium avium subspecies paratuberculosis (MAP) is a major infection of domestic livestock. This is production disease leading to huge economic loss to agricultural GDP. Moreover paratuberculosis has zoonotic concerns with human Crohn's disease. Therefore control of this disease has become priority for governments. Best control method is vaccination and commercially available paratuberclosis vaccines are killed preparation of whole cell. Reports from different part of the world recommend use of vaccines to control paratuberculosis. However, there is no DIVA and without DIVA, OIE has put restrictions on the mass use of the vaccination because there is lack of tools to differentiate vaccinated and infected animals and also paratuberculosis vaccination interfares with tuberculosis diagnosis. Therefore' for

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Patent Search

Invention Title	SYSTEM AND METHOD FOR SIMULTANEOUS AND PARALLEL COMPRESSION AND ENCRYPTION OF DATA
Publication Number	17/2017
Publication Date	28/04/2017
Publication Type	INA
Application Number	3407/DEL/2015
Application Filing Date	21/10/2015
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04L29/08

Inventor

Name	Address	Country	Nati
ARCHEK PRAVEEN KUMAR	AMITY UNIVERSITY RAJASTHAN KANT KALWAR,NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi
NEERAJ KUMAR	AMITY UNIVERSITY RAJASTHAN KANT KALWAR,NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi
C.S.KUMAR	AMITY UNIVERSITY RAJASTHAN KANT KALWAR,NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi
ASHWANI K.YADAV	AMITY UNIVERSITY RAJASTHAN KANT KALWAR,NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi

Applicant

Name	Address	Country	Nati
AMITY UNIVERSITY	AMITY UNIVERSITY RAJASTHAN KANT KALWAR,NH-11C, JAIPUR-DELHI NATIONAL HIGHWAY, JAIPUR-303002, RAJASTHAN, INDIA	India	Indi

Abstract:

The present invention relates to a system and method for simultaneous compression and encryption of stored digital multimedia as well as live data formats selected fror group comprising audio, video and image data. The data is compressed and encrypted using arithmetic coding and parallel whirlpool processing. The parallel processing c compression and encryption is done with high processing speed and hash values are generated parallely. The system is easily interfaced with external devices and has inb memory for storage purposes.

Complete Specification

FIELD OF INVENTION:
The present invention relates to data encryption and compression. More particularly the present invention relates to systems and methods for simultaneous compression and encryption of data.
BACKGROUND AND PRIOR ART:
The security plays a major role in the data communication. Cryptography deals with encryption and decryption of data. This is sure that a message to be transferred will be having repeated symbols or characters. The data can be encrypted and transmitted using different algorithms. Compression algorithms reduce the redundancy in data representation to decrease the storage required for that data. Data compression offers an attractive approach to reducing communication costs by using available bandwidth effectively. Over the last decade there has been an unprecedented explosion in the amount of digital data transmitted via the Internet, representing text, images, video, sound, computer programs, etc. With this trend expected to continue, it makes sense to pursue

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