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Patent Details for Verification_NIRF2026

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Assignee/s Name (Institute Affiliation/s at time of Appication)	Page No.
			Published Patent for 2022- 2023			
1	202241071573	Published	Ms. Pranoti Vaidya	Portable universal converter tool kit for converting an IC engine to an electric vehicle	Marathwada Mitra Mandal College of Engineering	1
2	202321029313	Published	1. Dr. Sudhir N. Dhage, 2. Ms. Shital kakad	Semantic Information Retrieval Using Bio-Inspired Optimization Based Ontology Construction	Marathwada Mitra Mandal College of Engineering	2
3	202321031024	Published	Ms. Shital kakad	Semantic Web Rule Based Student Placement Ontology For Intelligent Information Retrieval	Marathwada Mitra Mandal College of Engineering	3
4	202321009558	Published	Sarita D.Sapkal,Geetha Chillarge	Emergency ambient noice reactive VR system	Marathwada Mitra Mandal College of Engineering	4
5	381449001	Published	Dr. Swati Shekapure	IOT Based Solar Powered Agriculture Robot	Marathwada Mitra Mandal College of Engineering	5
6	202321016888	Published	Dr. Kalpana S Thakre, Dr.Girija Chiddarwar	Intelligent content based video retrieval	Marathwada Mitra Mandal College of Engineering	6
7	202311007685	Published	Mrs. V.S. Rupnar	Biosensor Based Device to Detect Lung Cancer	Marathwada Mitra Mandal College of Engineering	7
8	202221033972	Published	1. Vivekanand A Naikwadi, 2. Prashant Sudhiranjan Rade, 3. Shilpa Namdev Tambe, 4. Pradnya Naresh Chaudhari, 5. Ravibala Abhijit Patil, 6. Pradnya Amit Bobade, 7. Yogiraj Ramakant Deshmukh, 8. Rahul Ramesh Joshi	DEVELOPMENT OF FOG PROTECTION THERMAL WINDSHIELD AND FRONT CRASH MITIGATION SYSTEM.	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pune-52	8

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Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Assignee/s Name (Institute Affiliation/s at time of Appication)	Page No.
9	202221038718	Published	1 . Dr.Deulgaonkar Vikas Radhakrishna 2 . Vivekanand Naikwadi 3 . Arjun Jeevan Deshmukh 4 . Siddhant Shashikant Vajire 5 . Aditya Hanumant Vishrup 6 . Prathamesh yatiraj Jadhav 7 . Shivam mangesh wagh 8 . Raj Gajanan Wakil	DEVELOPMENT OF INNOVATIVE RECHARGEABLE VEIN DETECTOR WRIST BAND MECHANISM	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pune-53	9
10	202221062445	Published	1 . Dr.Vijay Bhatkar 2 . Mr.Vivekanand Naikwadi 3 . Mr.Amar Meherkar 4 . Mr.Gaurav Sonone 5 . Mr.Ashutosh Damdar 6 . Mr.Vedant Shinde 7 . Mr.Tushar Patil	DESIGN AND DEVELOPMENT OF INNOVATIVE DIFFUSER ASSEMBLY FOR COMMERCIAL COOLING SYSTEM	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pune-54	10
11	202221052948	Published	1 . Shruti Ramdas Dhokale 2 . SAKSHI MILIND PANDIT 3 . Shrutika Mahendra Gunda 4 . Sejal Umesh Satav 5 . Dr.Rahul S Yadav 6 . Vivekanand A Naikwadi	DESIGN AND DEVELOPMENT OF SMART GRASS CUTTER WITH PESTICIDE SPRAY USING MICROCONTROLLER.	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pune-55	11
12	202221064988	Published	1 . Vivekanand Naikwadi 2 . Prashant Rade 3 . Naresh Babanrao Chaudhari 4 . Pradnya Naresh Chaudhari 5 . Dr. Mahesh Prakash Joshi 6 . Aparna Mahesh Joshi 7 . Mayuri Sandesh Poojari 8 . Pradnya Amit Bobade	AN INNOVATIVE MODIFIED PUNCTURE KIT FOR TUBELESS TIRES IN MODERN VEHICLES	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pune-56	12
13	202241039312	Published	Dr. Araddhana Deshmukh	Analyzing the behaviour of the customer and trend in shopping using machine learning	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pune-76	13
14	202121057475	Published	Dr.Araddhana Deshmukh	Device to communication between deaf-mute and normal people	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pune-76	14

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Patent Details for Verification_NIRF2026

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Assignee/s Name (Institute Affiliation/s at time of Appication)	Page No.
15	202241006303	Published	Dr.Araddhana Deshmukh	Secure health monitoring system using cloud computing	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pune-76	15
16	202321030474	Published	Dr. Araddhana Deshmukh, Mrs. Priyanka Savdekar	Pedigree Analysis	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pune-76	16
17	202241041957A	Published	Dr. Amar Bharatrao Deshmukh	Design of smart home automation using cloud networking system	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pun	17
18	202241045048A	Published	Dr. Amar Bharatrao Deshmukh	Smart autonomous drone for monitoring of an modern agricultural field	Marathwada Mitra Mandals College of Engineering, Karve Nagar, Pune	18

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Application Details

APPLICATION NUMBER	202241071573
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/12/2022
APPLICANT NAME	1 . Mr. Madhu Valavala 2 . Dr. Sarat Kumar Sahu 3 . Mr. A. Mohamed Ibrahim 4 . Dr. Ashish Verma 5 . Mr. Amol Verma 6 . Ms. Pranoti Dipak Vaidya
TITLE OF INVENTION	Portable universal converter tool kit for converting an IC engine to an electric vehicle
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	03mrmanoj@gmail.com
ADDITIONAL-EMAIL (As Per Record)	03mrmanoj@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/12/2022

Application Status

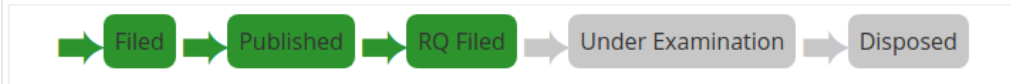| APPLICATION STATUS	# Awaiting Request for Examination

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Application Details

APPLICATION NUMBER	202321029313
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/04/2023
APPLICANT NAME	1 . Shital Arun Kakad 2 . Dr. Sudhir N. Dhage
TITLE OF INVENTION	SEMANTIC INFORMATION RETRIEVAL USING BIO-INSPIRED OPTIMIZATION BASED ONTOLOGY CONSTRUCTION
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	shitalkakad2604@gmail.com
ADDITIONAL-EMAIL (As Per Record)	shitalkakad@mmcoe.edu.in
E-MAIL (UPDATED Online)	
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REQUEST FOR EXAMINATION DATE	02/08/2023
PUBLICATION DATE (U/S 11A)	02/06/2023

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

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Application Details

APPLICATION NUMBER	202321031024
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/05/2023
APPLICANT NAME	**Shital Arun Kakad**
TITLE OF INVENTION	SEMANTIC WEB RULE BASED STUDENT PLACEMENT ONTOLOGY FOR INTELLIGENT INFORMATION RETRIEVAL
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	shitalkakad2604@gmail.com
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	02/08/2023
PUBLICATION DATE (U/S 11A)	16/06/2023

Application Status

APPLICATION STATUS	**Application Awaiting Examination**

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Filed → Published → RQ Filed → Under Examination → Disposed

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/02/2023

(21) Application No.202321009558 A

(43) Publication Date : 28/04/2023

(54) Title of the invention : EMERGENCY AMBIENT NOISE REACTIVE VR SYSTEM

(51) International classification :H04R0001100000, H04R0003000000, G10K0011178000, A63F0013690000, A63G0031160000	(71)**Name of Applicant :**
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	  3)**Dr.Manali Manish Shah**
	  4)**Sarita D. Sapkal**
	  5)**Geeta R. Chikarge**
	  6)**Dr. Vajid N. Khan**
	Name of Applicant : NA
	Address of Applicant : NA
	(72)**Name of Inventor :**
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	  3)**Dr.Manali Manish Shah**
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	  5)**Geeta R. Chikarge**
	Address of Applicant :Assistant Professor, MMCOE, SPPU, Sr.No. 18, Plot No. 5/3, CTS No.205, Vadar Vasti Rd, behind Vandevi Temple, Karve Nagar, Pune, Maharashtra -411052, India. Pune ----------- -----------
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(86) International Application No :NA Filing Date :NA	
(87) International Publication No : NA	
(61) Patent of Addition to Application Number :NA Filing Date :NA	
(62) Divisional to Application Number :NA Filing Date :NA	

(57) Abstract :

ABSTRACT EMERGENCY AMBIENT NOISE REACTIVE VR SYSTEM The perception of disruptive outside sound while being inside a virtual reality simulation can break the experience of presence. Even with noise cancelling headphones external sound cannot be blocked completely. In this paper, we present an acoustic compensation method to sustain the virtual illusion. We developed a testbed VR prototype that allows to classify real-life sound and to adapt the virtual world accordingly by activating pre-defined playable content. The application analyzes and classifies outside sound in real time and triggers a suitable in-game object that matches the outside sound. Our implementation is a first approach, we want to use it to further examine the possibility of adaptive audio to mask external disruptive sounds resulting in an enhanced VR experience.

Fig 1: Depicts the Each environment and the according mini-game that can be activated is located in a different area in the virtual city.

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

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CERTIFICATE OF REGISTRATION OF DESIGN

डिज़ाइन सं. / Design No.	:	381449-001
तारीख / Date	:	14/03/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिज़ाइन जो **IOT BASED SOLAR POWERED AGRICULTURE ROBOT** से संबंधित है, का पंजीकरण, श्रेणी **15-03** में 1.Dr. Nitin Shekapure 2. Dr. Swati Shekapure 3.Dr. Sandeep Wankhade 4.Mr. Vipin Bhaskarrao Gawai 5.Ms. Vishakha Krantikumar Gaikwad के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **15-03** in respect of the application of such design to **IOT BASED SOLAR POWERED AGRICULTURE ROBOT** in the name of 1.Dr. Nitin Shekapure 2. Dr. Swati Shekapure 3.Dr. Sandeep Wankhade 4.Mr. Vipin Bhaskarrao Gawai 5.Ms. Vishakha Krantikumar Gaikwad.

डिज़ाइन अधिनियम, 2000 तथा डिज़ाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।

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

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निर्गमन की तारीख/Date of Issue : 24/05/2023

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.202321016888 A

(43) Publication Date : 14/04/2023

(54) Title of the invention : INTELLIGENT CONTENT BASED VIDEO RETRIEVAL USING DEEP LEARNING.

(51) International classification	:G06F 030482, G06F 167830, G06N 030400, G06N 030800, H04N 214100
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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Address of Applicant :MARATHWADA MITRA MANDAL'S COLLEGE OF ENGINEERING, DEPARTMENT OF COMPUTER ENGINEERING, KARVENAGAR, PUNE-411052, MAHARASHTRA KARVENAGAR ----------- -----------
  2)Dr. Girija Gireesh Chiddarwar
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(57) Abstract :
ABSTRACT [500] Our Invention Intelligent Content Based Video Retrieval using Deep Learning is a Mixed media content examination is applied in various true PC vision applications, and computerized pictures comprise a significant piece of sight and sound information. In most recent couple of years, the intricacy of media contents, particularly the pictures, has developed dramatically, and on everyday schedule, more than great many pictures are transferred at various files like Twitter, Facebook, and Instagram. [501] To look for an important picture from a file is a difficult examination issue for PC vision research local area. The greater part of the web search tools recover pictures based on customary text-put together methodologies that depend with respect to subtitles and metadata. Over the most recent twenty years, broad exploration is accounted for content-based picture recovery (CBIR), picture grouping, and investigation. [502] In CBIR and picture arrangement based models, significant level picture visuals are addressed as element vectors that comprises of mathematical qualities. The examination shows that there is a critical hole between pictures include portrayal and human visual comprehension. Because of this explanation, the examination introduced in this space is engaged to diminish the semantic hole between the picture highlight portrayal and human visual comprehension. [503] In this invention, we plan to introduce an extensive survey of the new improvement in the space of CBIR and picture portrayal. We dissected the primary parts of different picture recovery and picture portrayal models from low-level component extraction to late semantic profound learning draws near. The significant ideas and significant exploration studies in light of CBIR and picture portrayal are examined exhaustively, and future examination headings are closed to motivate further examination around here.
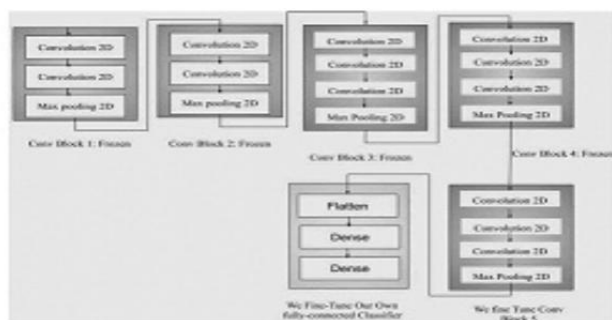
Fig 1: Intelligent Content Based Video Retrieval using Deep Learning. Flow Chart.

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311007685 A

(19) INDIA

(22) Date of filing of Application :06/02/2023

(43) Publication Date : 10/02/2023

(54) Title of the invention : BIOSENSOR BASED DEVICE TO DETECT LUNG CANCER

(51) International classification	:G01N0027327000, A61B0005000000, A61B0006030000, A61K0031437000, G01N0027480000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :
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  2)Dr. Dattatray G. Takale
  3)Vandana Rupnar
  4)Dr. Arun Soni
  5)Dr. Vajid N. Khan
  6)Mohd Kashif Aziz
Name of Applicant : NA
Address of Applicant : NA
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  2)Dr. Dattatray G. Takale
Address of Applicant :Assistant Professor, VIIT, SPPU, Pune, Maharashtra- 411048, India. Pune ----------- -----------
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Address of Applicant :Associate Professor, SSR College of Pharmacy Silvassa, Pune, Maharashtra- 396230, India. Pune ----------- -----------
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Address of Applicant :Associate Professor, KJCOEMR, Pune, Maharashtra- 411048, India. Pune ----------- -----------
  6)Mohd Kashif Aziz
Address of Applicant :Assistant Professor, University of Allahabad Prayagraj, Prayagraj, Uttar Pradesh- 211002, India. Prayagraj ----------- -- ---------

(57) Abstract :
Cancer is the number one cause of death around the world today, with the highest death rates among both men and women related to lung cancer. However, there is still a lack of awareness about early screening. Mortality rates have not yet reduced, and finding a way to lower them has become imperative. Attention must be paid to early-stage diagnosis of lung cancer in particular as the survival period has been extended. Over the years, screening modalities such as magnetic resonance imaging (MRI), computed tomography scans (CT-scans), ultrasound machines, and positron emission tomography (PET) have been extensively employed; however, these techniques have some drawbacks, such as expense and the fact that they contain radioactive substances. Recently, sensor synchronizing in analysis is being used in early-stage screening due to its simplicity, portability, low cost, and ease of use. Biosensors have become the standard tools for cancer diagnosis in terms of medical application, and advanced development of sensors has been achieved. This review concisely outlines the research conducted into the application of biosensors on lung cancer. It concludes that the best and most used biosensor for early-phase lung cancer diagnosis is the electrochemical biosensor, which has been designed to bring significant benefits in portability, simplicity, reliability, non-invasiveness, cost-effectiveness, detection limit, sensitivity, and diagnostic specificity. Likewise, the attachment concerning towards the bio recognition element is much more considerable and substantial.

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

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Application Details

APPLICATION NUMBER	202221033972
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/06/2022
APPLICANT NAME	1 . Vivekanand A Naikwadi 2 . Prashant Sudhiranjan Rade 3 . Shilpa Namdev Tambe 4 . Pradnya Naresh Chaudhari 5 . Ravibala Abhijit Patil 6 . Pradnya Amit Bobade 7 . Yogiraj Ramakant Deshmukh 8 . Rahul Ramesh Joshi
TITLE OF INVENTION	DEVELOPMENT OF FOG PROTECTION THERMAL WINDSHIELD AND FRONT CRASH MITIGATION SYSTEM.
FIELD OF INVENTION	ELECTRONICS
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	14/06/2022
PUBLICATION DATE (U/S 11A)	01/07/2022

Application Status

1

②

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Application Details

APPLICATION NUMBER	202221038718
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/07/2022
APPLICANT NAME	1 . Dr.Deulgaonkar Vikas Radhakrishna 2 . Vivekanand Naikwadi 3 . Arjun Jeevan Deshmukh 4 . Siddhant Shashikant Vajire 5 . Aditya Hanumant Vishrup 6 . Prathamesh yatiraj Jadhav 7 . Shivam mangesh wagh 8 . Raj Gajanan Wakil
TITLE OF INVENTION	DEVELOPMENT OF INNOVATIVE RECHARGEABLE VEIN DETECTOR WRIST BAND MECHANISM.
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	vivekanandnaikwadi@mmcoe.edu.in
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	06/07/2022
PUBLICATION DATE (U/S 11A)	22/07/2022

Application Status

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Application Details

APPLICATION NUMBER	202221062445
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/11/2022
APPLICANT NAME	1 . Dr.Vijay Bhatkar 2 . Mr.Vivekanand Naikwadi 3 . Mr.Amar Meherkar 4 . Mr.Gaurav Sonone 5 . Mr.Ashutosh Damdar 6 . Mr.Vedant Shinde 7 . Mr.Tushar Patil
TITLE OF INVENTION	DESIGN AND DEVELOPMENT OF INNOVATIVE DIFFUSER ASSEMBLY FOR COMMERCIAL COOLING SYSTEM.
FIELD OF INVENTION	MECHANICAL ENGINEERING
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	02/11/2022
PUBLICATION DATE (U/S 11A)	11/11/2022

Application Status

1

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Application Details

APPLICATION NUMBER	202221052948
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/09/2022
APPLICANT NAME	1 . Shruti Ramdas Dhokale 2 . SAKSHI MILIND PANDIT 3 . Shrutika Mahendra Gunda 4 . Sejal Umesh Satav 5 . Dr.Rahul S Yadav 6 . Vivekanand A Naikwadi
TITLE OF INVENTION	DESIGN AND DEVELOPMENT OF SMART GRASS CUTTER WITH PESTICIDE SPRAY USING MICROCONTROLLER.
FIELD OF INVENTION	COMPUTER SCIENCE
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Application Details

APPLICATION NUMBER	202221064988
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/11/2022
APPLICANT NAME	1 . Vivekanand Naikwadi 2 . Prashant Rade 3 . Naresh Babanrao Chaudhari 4 . Pradnya Naresh Chaudhari 5 . Dr. Mahesh Prakash Joshi 6 . Aparna Mahesh Joshi 7 . Mayuri Sandesh Poojari 8 . Pradnya Amit Bobade
TITLE OF INVENTION	AN INNOVATIVE MODIFIED PUNCTURE KIT FOR TUBELESS TIRES IN MODERN VEHICLES.
FIELD OF INVENTION	MECHANICAL ENGINEERING
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	14/11/2022
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Application Status

1

Application Details

APPLICATION NUMBER	202241039312
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/07/2022
APPLICANT NAME	1 . YEDLLA SATYAM 2 . AERRANAGULA VEERENDER 3 . SANJIB KUMAR NAYAK 4 . DR. MANISH HIRALAL ATTAL 5 . DR. NALINI A. MHETRE 6 . SACHIN SAHEBRAO NIMBALKAR 7 . MILIND K WASEKAR 8 . DR ARADDHANA ARVIND DESHMUKH 9 . MS. MANISHA RAJESH PATIL 10 . MS.SAYALI DARPAN JOSHI 11 . JADHAV SHRUTI RAJESH 12 . JYOTI NANDIMATH 13 . DR.T.SUNIL
TITLE OF INVENTION	ANALYZING THE BEHAVIOR OF THE CUSTOMER AND THE TREND IN SHOPPING USING MACHINE LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE
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Application Details

APPLICATION NUMBER	202121057475
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/12/2021
APPLICANT NAME	1 . SAHIL DHAPARE 2 . PRIYANKA GODBOLE 3 . SAI YERUNKAR 4 . DR. H.K.KHANUJA 5 . DR. ARADDHANA ARVND DESHMUKH 6 . DR AARTI AMOD AGARKAR 7 . DR. GIRIJA GIREESH CHIDDARWAR
TITLE OF INVENTION	DEVICE TO COMMUNICATION BETWEEN DEAF-MUTE AND NORMAL PEOPLE.
FIELD OF INVENTION	COMPUTER SCIENCE
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Application Details

APPLICATION NUMBER	202241006303
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/02/2022
APPLICANT NAME	1 . Dr.Sujata V Mallapur 2 . Dr. Bharati P. Vasgi 3 . Dr. S.M.Jaybhaye 4 . Mrs. Kirti S. Korabu 5 . Dr Araddhana Arvind Deshmukh 6 . Dr. M. A. Barote 7 . Mr.Rahul Neware
TITLE OF INVENTION	Secured Health monitoring system using cloud computing
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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PRIORITY DATE	
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PUBLICATION DATE (U/S 11A)	11/02/2022

Application Details

APPLICATION NUMBER	202321030474
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/04/2023
APPLICANT NAME	1 . Kartik Sunil Kamthe 2 . Yash Mahesh Kamthe 3 . Rutuja Bhagwan Jamale 4 . Shraddha Sahebrao Ombase 5 . Dr. Trupti Abhishek Jambhalkar 6 . Dr Araddhana Manisha Arvind Deshmukh 7 . Priyanka Niranjan Savadekar 8 . Nachiket Vivek Kulkarni
TITLE OF INVENTION	PEDIGREE ANALYSIS
FIELD OF INVENTION	PHYSICS
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(12) PATENT APPLICATION PUBLICATION   (21) Application No.202241041432 A

(19) INDIA

(22) Date of filing of Application :19/07/2022   (43) Publication Date : 19/08/2022

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(54) Title of the invention : Design of Smart Home Automation using Cloud Networking system

(51) International classification	:G05B0015020000, H04L0012280000, G06F0003160000, G10L0015220000, G10L0015180000	(71)Name of Applicant :
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(86) International Application No Filing Date	:PCT// :01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
A system for interactive use of a smart home is described here. It is based on a conversational dialogue engine that supports many threads and several modes of communication. The system offers a user interface that is based on natural language for the control of home gadgets, appliances, or functions. The user's input may be received by the smart home automation agent through sensing devices such as a smartphone, a tablet computer, or a laptop computer. Users may interact with the system locally, inside the household, or remotely, from outside the home. The system for the smart home is able to take information in from sensors as well as any other equipment with which it is interfaced. The system makes use of interaction guide rules in order to process its response to input from the user as well as from sensors, as well as in order to drive the conversational exchanges that are the outcome of such input. The system is capable of learning the preferences and routines of its user via its adaptive learning process, which is based on information from both the user and the sensors.

No. of Pages : 22 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241045048 A

(19) INDIA

(22) Date of filing of Application :06/08/2022

(43) Publication Date : 12/08/2022

(54) Title of the invention : SMART AUTONOMOUS DRONE FOR MONITORING OF AN MODERN AGRICULTURAL FIELD

(51) International classification	:B64C0039020000, A01C0021000000, B64D0001160000, A01B0079000000, A01B0079020000
(86) International Application No Filing Date	:PCT// :01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
Powerful ground equipment or aeroplanes that weigh several tons and can treat consistently tens of hectares per hour are now being used in modern farming. This method has been in use for the last few decades. The use of compact, nimble, lightweight, and energy-efficient automated robotic equipment that flies to accomplish the same task as traditional farming equipment is possible with automated farming. Automated farming is even able to farm on a plant-by-plant basis, which paves the door for new methods of farming. The term aerial farm robots refers to unmanned aerial vehicles (UAVs) that are used in automated farming. These UAVs are outfitted with reservoirs and tools that can be detached from the aircraft. Farming that is automated makes use of high-precision GPS and other technologies for exact location and vision in order to carry out crop dusting, planting, fertilizing, and other field-related farming or husbandry chores in an autonomous and accurate manner. The control, refill, recharge, and communication subsystems of the aerial farm robots are a component of the overall automated farming system, and they are able to do the majority of the husbandry activities on a farm by themselves. This makes the automated farming system a valuable asset.

No. of Pages : 22 No. of Claims : 5