

Details of IPR granted or registered during April 2022 – March 2023

Sl. No.	Name of the Applicant	Category of IP (patent/copyright/design/trademark etc)	Title	App. No	Date of Filing	Country	Status
1.	Dr.Kannan, Dr.Manoj Kumar D S, Dr.S.Alagumani Ms.A.Aruna	Patent	Method for Audio synthesis Based on Semantic analysis for identifying Emotions	202341004231A	21-01-2023	India	Published 17-02-2023
2.	Dr.Preeta Sharan, Dr.O P Singh, Dr.Aruna M G, Dr.Nirmala Hiremani, Ajit Kumar Sah Prashanth M, R V Vijayakumar, Dr.Vanajaroselin E.Chirchi, Preetam Ambudkar, Dr.Ciro Rodriguez	Patent	Lower Extremity Pressure Device	202341025128 A	02/04/2023	India	Published 05/05/2023
3.	Mr.Sandeep, Dr.Vanajaroselin E.Chirchi Dr.M.Prabhakar, Dr.S.M.Ravi Kumar	Design	Automatic Pesticide spraying Robot	371322-001	23/09/2022	India	Published 29/12/2022
4.	Mr. Jayaraj N , Dr. Dr. Preeta Sharan Sharan, Mr. Anup M Upadhyaya, Gayathri R , Mr Naveen Kumar Jaishwal, Mrs Harshada J Patil		Prosthetic for lower extremity	369332-001	18/08/2022	India	
5.	Dr. Dr. Preeta Sharan Sharan, Mrs. Suchandana Mishra , Mr. Anup M Upadhyaya, Dr Sara K	Patent	Design and Development of load monitoring system for down scaled laboratory train model	202241053811	20/09/2022	India	30/09/2022

6.	Dr. Dr. Preeta Sharan Sharan, Mr. Anup M Upadhyaya, Mr. Naveen Kumar Jaishwal, dr. Laxmikanth	Patent	Mechanical Bite Measuring force	368917-001	08/08/2022	India	
7.	Mr. Anup M Upadhyaya, Dr. Preeta Sharan Sharan	Patent	Hand Exercising Device	202111016120	06/04/2021	India	Published16/04/2021
8.	Dr. Preeta Sharan Srujana R, Dr. Panduranga Rao MV, Samana R	Patent	High Speed, High Density Plasmonic Memory Cell	202241069867	03/12/2022	India	Published 09/12/2022
9.	Dr Puja Shashi	Patent	System and method for energy efficient optimal transaction selection and elimination for energy efficient secure blockchain transaction	20224105394	21-09-22	India	30-09-22
10.	Dharamvir		A machine learning based approach to analyze the network security of medical data using blockchain	202241001101A	08-01-2022	India	21-01-2022
11.	Mridula Shukla		Machine learning analytics for specialised stock trading	202211002430A	15-01-2022	India	28-01-2022
12.	Ashok B P	Patent	Machine learning based approach to analysis the heart diseases	202231002221A	14-01-2022	India	04-02-2022
13.	Dr.B.K.Manjunath & Dr.K.VIarmathy	Patent	An Integrated System Of Image Recognition Along With Artificial Intelligence For Accurate Prediction Of Lung Cancer Using	202241020244	13/05/2022	India	Filed

			Various Medical Modalities				
14.	Dr.B.K.Manjunath, Divakara R, Sushma Bhandarkar, Kunalika. A.S. Rao	Patent	Herbal water formulation and method of preparation thereof	202241034985	18/06/2022	India	Filed
15.	Dr.B.K.Manjunath And Praveen SV	Patent	“Bioremediation of Oil and Method Thereof” Patent application number:	202241034983	18/06/2022	India	Filed
16.	Dr.B.K.Manjunath And Praveen SV	PATENT	Method and system for degradation of oil using green technology	2.01741E+11	23/11/2017	India	Granted
17.	Dr.B.K.Manjunatha, Dr.Sreenath K. Reddy, Dr.ValarmathyK, Dr. Salma Kausar, Priyanka SN,Sreedevi, Sushma, M,Swathi KR	PATENT	Anthraquinone derivatives and uses thereof	202341016446 TEMP/E1/19385/ 2023CHE/CBR no 11220	3/13/2023	India	Filed
18.	Dr.B.K.Manjunatha, Dr.Sreenath K. Reddy, Divakara R, Harshitha G, Madurya, BM, Rohith BH, Vani V	PATENT	Use of Diasmetin as an Anticancer agent	202341016447 TEMP/E1/19386/ 2023CHE	3/13/2023	India	Filed
19.	Dr.B.K.Manjunatha, Dr.Sreenath K. Reddy.	PATENT	Isoflavone derivatives and uses thereof	202341016448 TEMP/E1/19387/ 2023CHE	3/13/2023		Filed

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No. 202241020244 A

(43) Publication Date : 13/05/2022

(54) Title of the invention : AN INTEGRATED SYSTEM OF IMAGE RECOGNITION ALONG WITH ARTIFICIAL INTELLIGENCE FOR ACCURATE PREDICTION OF LUNG CANCER USING VARIOUS MEDICAL MODALITIES

(51) International classification : G06K0009620000, G06K0009000000, G01N0001400000, G06N0003040000, G06K0009200000

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

(87) International Publication No : NA

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

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

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(57) Abstract :

Image recognition along with artificial intelligence for accurate prediction of lung cancer using various medical modalities is the proposed invention. The invention focuses on designing a framework of artificial intelligence, that analyses the images that are captured using various screening medical modalities. The image recognition technique scrutinizes the images and feeds the selected images to train the artificial intelligence module.

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

The Patent Office Journal No. 19/2022 Dated 13/05/2022

29650

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Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Fee Payment	Remarks
1	202341016446	TEMP/E-1/19385/2023-CHE	1600	11220	FORM 1	Full	ANTHRAQUINONE DERIVATIVES AND USES THEREOF

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/R No
N-0001114491	Online Bank Transfer	1303230000235	1600.00	1475001020000001

Total Amount : ₹ 1600.00

Amount in Words: Rupees One Thousand Six Hundred Only

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Sl. No.	Rel. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Fee Payment	Remarks
1	202341016448	TEMP/E-1/19387/2023-CHE	1600	11222	FORM 1	Full	ISOFLAVONE DERIVATIVES AND USES THEREOF.

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/c No.
N-0001114493	Online Bank Transfer	1303230000239	1600.00	1475001020000001

Total Amount : ₹ 1600.00

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Sl No.	Ref No./Application No.	App. Number	Amount Paid	C.B.K. No.	Form Name	Fee Payment	Remarks
1	202341016447	TEMP/E-1/19386/2023-CHE	1600	11221	FORM 1	Full	DIOSMETIN DERIVATIVES AND USES THEREOF.

Transaction ID	Payment Mode	Challan Identification Number	Amount Paid	Challan Date/No.
N-000114492	Online Bank Transfer	1303230000237	1600.00	1475001020000001

Total Amount : ₹ 1600.00

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Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Fee Payment	Remarks
1	202241034983	TEMP/E-1/39290/2022-CHE	1600	24267	FORM 1	Full	BIOREMEDIATION OF OIL AND METHOD THEREOF

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0000981167	Online Bank Transfer	1806220000345	1600.00	1475001020000001

Total Amount : ₹ 1600.00

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Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Fee Payment	Remarks
1	202241034985	TEMP/E-1/39289/2022-CHE	1600	24269	FORM 1	Full	HERBAL WATER FORMULATION AND METHOD OF PREPARATION THEREOF

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0000981172	Online Bank Transfer	1806220000831	1600.00	1475001020000001

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Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Fee Payment	Remarks
1	202241034983	TEMP/E-1/39290/2022-CHE	1600	24267	FORM 1	Full	BIOREMEDIATION OF OIL AND METHOD THEREOF

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of - CC No
N-0000981167	Online Bank Transfer	1806220000345	1600.00	1475001020000001

Total Amount : ₹ 1600.00

Amount in Words: Rupees One Thousand Six Hundred Only

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241053811 A

(19) INDIA

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

(43) Publication Date : 30/09/2022

(54) Title of the invention : DESIGN AND DEVELOPMENT OF LOAD MONITORING SYSTEM FOR DOWN SCALED LABORATORY TRAIN MODEL

(51) International classification :G01G0019040000, G01L0001240000, F03D0017000000, G01L0005000000, G01D0005353000

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

(87) International Publication No : NA

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

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

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(57) Abstract :

Two essential elements in ensuring passenger safety and comfort throughout their voyage are railway and train condition monitoring. Using fibre Bragg grating (FBG) optical sensors, a new downscale laboratory rail test rig has been created in this study to investigate rail-wheel interaction and to found weights in of the wheel. This study outlines the building of a laboratory setup that comprises a 1:3 scaled model, mechanical and functional analysis of the railway setup with a grating sensor, examination of several experimental methodologies, and numerical analysis of the rail model. By using a variety of data processing techniques, the train's wheel strain transfer was detected which was 100.86 μm . The apparatus for measuring loads transmitted via wheels to a track from moving vehicles includes means for providing a signal that is a function of the highest load on the track from each wheel.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341025086 A

(19) INDIA

(22) Date of filing of Application :01/04/2023

(43) Publication Date : 05/05/2023

(54) Title of the invention : METACARPUS PRESSURE MEASURING DEVICE FOR BETTER ASSISTING IN PHYSIOTHERAPY PROCEDURALS

(51) International classification :A61B 050000, A61B 050210, A61B 051030, A61N 050600, G16H 406700
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
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(57) Abstract :

The Metacarpus Pressure Measuring Device for Better Assisting in Physiotherapy Procedurals and a method thereof for use in physiotherapy or for pressure measuring for analysis of the upper extremity. The pressure-measuring device requires no external electrical power and is intuitive, thereby making the device medically safe and compliant with standard medical practices and procedures.

No. of Pages : 14 No. of Claims : 4

(54) Title of the invention : LOWER EXTREMITY PRESSURE DEVICE

(51) International classification :A47L 052400, A47L 091600, A61H 030000, B04C 052800, F04C 021000

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

(87) International Publication No: NA

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

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

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(57) Abstract :

The weight bearing force measuring device and method thereof for use in rehabilitation of orthopedic fracture and soft tissue injury, the device is battery powered and hence it is safe to use and compliant with standard medical practices and procedures

No. of Pages : 14 No. of Claims : 6

(54) Title of the invention : Algorithm for optimizing the placement of wireless sensors using machine learning

(51) International classification :A61B 172900, G06N 030400, G06N 030800, G06N 200000, H04N 053780

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

(87) International Publication No : NA

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

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

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5)Dr. Jayshree Narendrakumar Tolani
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(57) Abstract :
 The proposed invention is an algorithm for optimizing the placement of wireless sensors using machine learning. The algorithm collects data from various sources, such as sensor data, network topology data, and environmental data, preprocesses and cleans the data, and employs a range of machine learning techniques to generate optimal sensor placement recommendations. The algorithm is adaptable to changing environmental and network conditions, can handle a large number of sensors in the network, and can optimize sensor placement for different types of wireless networks, including ad-hoc, mesh, and cellular networks. The algorithm can be implemented as a software application or a cloud-based service, and can be customized to meet the specific needs of different applications and industries. The algorithm has a wide range of potential applications, including environmental monitoring, healthcare, industrial automation, and smart cities.

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CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 371322-001
तारीख / Date : 23/09/2022
पारस्परिकता तारीख / Reciprocity Date* :
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प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **AUTOMATIC PESTICIDE SPRAYING ROBOT** से संबंधित है, का पंजीकरण, श्रेणी **15-03** में 1.Mr. Sandeep B 2. Dr. Vanajaroselin E. Chirchi 3.Dr. M. Prabhakar 4.Dr. S. M. Ravi Kumar के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

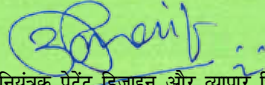
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **15-03** in respect of the application of such design to **AUTOMATIC PESTICIDE SPRAYING ROBOT** in the name of 1.Mr. Sandeep B 2. Dr. Vanajaroselin E. Chirchi 3.Dr. M. Prabhakar 4.Dr. S. M. Ravi Kumar.

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

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