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ACADEMIC YEAR 2021-2022

List of Patents & Grant Published

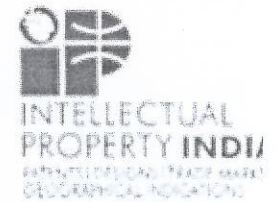
S. No	Faculty Name	Department	Title of the Patent	Patent publication Number	Patent published Date
1	Dr.V.Devarajan	ECE	A Novel metaheuristic based compressive Sensing for magnetic resonance image reconstruction.	202241021387	22/04/2022
2	Dr.V.Janakiraman	ECE	Land survey and Registration system with video proofing based IOT Hyper-ledger cloud module.	202141058353 A	24/12/2021
3	Dr.V.Janakiraman	ECE	Distress Sound source location system for Swarm drones by direction of arrival method.	202141007289 A	05/03/2021
4	Dr.R.Pavendhan	Mechanical	Adjustable swivel base pipe drill jig	342430-001	18/06/2021

S. No	Faculty Name	Department	Title of the Grant	Patent Granted Number	Granted Date
5	Dr.V.Sekar	EEE	An IOT based pressure and temperature monitoring system.	2021100287	19/07/2021


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



Application Details

APPLICATION NUMBER	202241021387
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/04/2022
APPLICANT NAME	1 . Mr. Penta anil kumar 2 . Dr. R.Gunasundari 3 . Dr.R.Aarthi 4 . Dr.K.Viswanath 5 . Dr.K.Vivekanandan 6 . Dr.V.Devarajan
TITLE OF INVENTION	A NOVEL METAHEURISTIC BASED COMPRESSIVE SENSING FOR MAGNETIC RESONANCE IMAGE RECONSTRUCTION
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	iprsince2014@hotmail.com
ADDITIONAL-EMAIL (As Per Record)	
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	22/04/2022



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 Dhana Lakshmi Srinivasan
 College of Engineering & Technology
 ECR Road, Marathapalem, Chennai-603 104



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Patent Search

Invention Title	A NOVEL METAHEURISTIC BASED COMPRESSIVE SENSING FOR MAGNETIC RESONANCE IMAGE RECONSTRUCTION
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Application Filing Date	10/04/2022
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Field Of Invention	PHYSICS
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Inventor

Name	Address	Country
Mr. Penta anil kumar	Department of ECE, Puducherry Technological University, Puducherry	India
Dr. R.Gunasundari	Professor, Department of ECE, Puducherry Technological University, Puducherry	India
Dr.R.Aarthi	Associate Professor, Department of EIE, SRM Easwari Engineering College, Ramapuram, Chennai	India
Dr.K.Viswanath	Professor, Department of ECE, RL Jalappa Institue of technology, Doddabapur, Bangalore	India
Dr.K.Vivekanandan	Professor, Department of CSE, Puducherry Technological University, Puducherry	India
Dr.V.Devarajan	Associate Professor, Department of ECE, Dhanalakshmi sirinivasan college of Engineering and Technology, ECR road, Mamallapuram	India

Applicant

Name	Address	Country
Mr. Penta anil kumar	Department of ECE, Puducherry Technological University, Puducherry	India
Dr. R.Gunasundari	Professor, Department of ECE, Puducherry Technological University, Puducherry	India
Dr.R.Aarthi	Associate Professor, Department of EIE, SRM Easwari Engineering College, Ramapuram, Chennai	India
Dr.K.Viswanath	Professor, Department of ECE, RL Jalappa Institue of technology, Doddabapur, Bangalore	India
Dr.K.Vivekanandan	Professor, Department of CSE, Puducherry Technological University, Puducherry	India
Dr.V.Devarajan	Associate Professor, Department of ECE, Dhanalakshmi sirinivasan college of Engineering and Technology, ECR road, Mamallapuram	India

Abstract:

Magnetic Resonance Image (MRI) is extensively adapted in clinical diagnosis due to its improved representation of changes with soft tissue. However, MRI undergoes acquisition process which is due to the fact that the MR images are obtained successively in k-space and the speed of k-space is limited due to hardware constraints. innovations in Compressive Sensing (CS) showed that it is viable to precisely reconstruct MRI with K-space data with reduced scanning duration and it takes more time computation and it is complex to capture the fine details. The CS is capable to minimize the imaging time and it uses compressibility for reconstructing the images. Its most challenging problem is to design an accurate and efficient algorithm for reconstructing the original data. The CS reconstruction problems are solved by convex. Convex algorithms are not efficient because they require high complex computations and reconstruction efficiency is also low. This proposal intends to develop a pre Image reconstruction method using metaheuristic principles. The proposed metaheuristic-based MR image reconstruction will give the better results as compared to methods.



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 Dhanalakshmi Srinivasan
 College of Engineering & Technology
 ECR Road, Mamallapuram, Chennai-603 104

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :15/12/2021

(21) Application No.202141058353 A

(43) Publication Date : 24/12/2021

(54) Title of the invention : LAND SURVEY AND REGISTRATION SYSTEM WITH VIDEO PROOFING BASED IOT HYPER-LEDGER CLOUD MODULE

<p>(51) International classification :G06Q0030060000, H04N0021239000, H04N0005265000, H04N0021234000, G06Q0050160000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Mr. R. Partheepan Address of Applicant :Assistant professor, Department of Electronics and Communication Engineering, J.N.N Institute of Engineering, No:90, Usha Garden, Chennai-Periyapalayam Highway, Kannigaipair, Tamil Nadu - 601102. ----- 2)Dr. Ramesh Kumar Bhukya 3)Dr.V.Janakiraman 4)Dr. Parthiban K G 5)Mr. P. G. Seetharam 6)Mr. Anil Tellur 7)Ms. C. Shalini 8)Ms. B. S. Priyangha 9)Ms. R. Devika 10)Dr. Jose Anand Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Mr. R. Partheepan Address of Applicant :Assistant professor, Department of Electronics and Communication Engineering, J.N.N Institute of Engineering, No:90, Usha Garden, Chennai-Periyapalayam Highway, Kannigaipair, Tamil Nadu - 601102. ----- 2)Dr. Ramesh Kumar Bhukya Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Indian Institute of Infomation Technology Allahabad, Deoghat, Jhalwa, Prayagraj-211015, Uttar Pradesh. ----- 3)Dr.V.Janakiraman Address of Applicant :Professor & Vice Principal, Department of Electronics and Communication Engineering, Dhanalakshmi Srinivasan College of Engineering and Technology, East Coast Road, Mamallapuram, Chengalpattu District-603104. ----- 4)Dr. Parthiban K G Address of Applicant :Principal & Professor, Department of Electronics and Communication Engineering, Dhaanish Ahmed Institute of Technology, Dhaanish Avenue, Pichanur Post, KG Chavadi, Coimbatore, Tamilnadu-641105. ----- 5)Mr. P. G. Seetharam Address of Applicant :Assistant Professor, Department of Civil Engineering, J.N.N Institute of Engineering, No:90, Usha Garden, Chennai-Periyapalayam Highway, Kannigaipair, Tamil Nadu - 601102. ----- 6)Mr. Anil Tellur Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, G Narayanamma Institute of Technology and Science (For Women), Shaikpet, Hyderabad - 500104. ----- 7)Ms. C. Shalini Address of Applicant :Assistant Professor, Department of Electronics & Communication Engineering, TJS Engineering College, Peruvoyal, Kavariapettai-601206. ----- 8)Ms. B. S. Priyangha Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Velammal Institute Of Technology, Kolkata High Way, Panjetty, Tamilnadu-601204. ----- 9)Ms. R. Devika Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Velammal Institute Of Technology, Kolkata High Way, Panjetty, Tamilnadu-601204. ----- 10)Dr. Jose Anand Address of Applicant :Associate Professor, Department of Electronics and Communication Engineering, KCG College of Technology, KCG Nagar, Karapakkam, Chennai, Tamil Nadu, India 600097. -----</p>
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(57) Abstract :

This invention employs a Blockchain system for storing video and location data collected by mobile cameras pertaining to land sales and registration. This invention consists of a frontend mobile application integrated with the mobile camera. The video of boundaries of the land to be sold is taken by both the seller and the buyer of the land at the same time with both their voices agreeing on the authenticity of the land boundary markers and other details of the land. The location of the land is taken in from GPS data along with the time and date. Another video of the actual registration of the land, that covers the documents involved, the registration of the new owner in the corresponding government office and the agreed price along with the transaction details are covered in that video. Both the land boundary video and the transaction video are sent to the server from the mobile via Internet. The received videos are divided into digital data chunks and stored into hyper-ledger blocks (Blockchain blocks). This makes all the generated video data tamper proof.

No. of Pages : 7 No. of Claims : 5

The Patent Office Journal No. 52/2021 Dated 24/12/2021

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Dhanalakshmi Srinivasan
College of Engineering & Technology
ECR Road, Mamallapuram, Chennai-603 104

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141007289 A

(19) INDIA

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

(43) Publication Date : 05/03/2021

(54) Title of the invention : DISTRESS SOUND SOURCE LOCATION SYSTEM FOR SWARM DRONES BY DIRECTION OF ARRIVAL METHOD

(51) International classification	:B64C0039020000, G08G0005000000, G05D0001100000, G08B0021220000, H04R0003000000	(71)Name of Applicant : 1)Kishore Abishek Address of Applicant :131/2, Emerald Flats, Thirumangalam, Anna Nagar West, Chennai - 600040, Tamil nadu. Tamil Nadu India 2)R.Partheepan 3)Gurukumar Lokku 4)K.Manjunath 5)Dr.G.N.Kodandaramaiah 6)K.Kannaiah 7)Dr S. Prabakeran 8)Dr.G.Gunasekaran 9)Dr.V.Janakiraman 10)Dr.V.Manonmani 11)Dr.B.Ben Sujitha 12)Dr. S.Balaji 13)S.Santhosh 14)Mr.N.Nandakumar 15)L. SreeVidya 16)B.S.Liya
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Kishore Abishek 2)R.Partheepan 3)Gurukumar Lokku 4)K.Manjunath 5)Dr.G.N.Kodandaramaiah 6)K.Kannaiah 7)Dr S. Prabakeran 8)Dr.G.Gunasekaran 9)Dr.V.Janakiraman 10)Dr.V.Manonmani 11)Dr.B.Ben Sujitha 12)Dr. S.Balaji 13)S.Santhosh 14)Mr.N.Nandakumar 15)L. SreeVidya 16)B.S.Liya
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
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(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

1) A swarm of drones (group of drones) each having a mounted sound sensor and arranging themselves in regular polygonal shape with one drone at each vertices of the polygon to identify the direction of arrival of the distress sound signal, 2) As claimed in Claim 1, the size of the virtual polygon can be changed when drones rearrange themselves by moving away from each other.

No. of Pages : 6 No. of Claims : 3



The Patent Office Journal No. 10/2021 Dated 05/03/2021

PRINCIPAL
Dhanalakshmi Srinivasan
College of Engineering & Technology
ECR Road, Mamallapuram, Chennai-603 104

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of Engineering & Technology
ECR Mamallapuram, Chennai-603 104



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No. 99025

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THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 342430-001
Date 18/04/2021
Reciprocity Date*
Country

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 08-01 in respect of the application of such design to ADJUSTABLE SWIVEL BASE PIPE DRILL JIG in the name of LDR. R. PAVENDHAN, PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING AND TECHNOLOGY, MAMALLAPURAM, CHENNAI-603104, TAMILNADU, INDIA & DR. DEEPAKANNAN, ASSOCIATE PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, PRIST DEEMED UNIVERSITY, KALLAYAR, THANJAVUR-603403, TAMILNADU, INDIA.

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DR. R. PAVENDHAN,

PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING AND TECHNOLOGY, MAMALLAPURAM, TAMILNADU, INDIA

PRINCIPAL
Dhanalakshmi Srinivasan
College of Engineering & Technology
ECR Road, Mamallapuram, Chennai-603 104

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of Engineering & Technology
ECR, Mamallapuram, Chennai-603 104

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Search Results

Your search for 2021100287 returned 1 result.

null quickSearch

	Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status
1	2021100287	AN IOT BASED TYRE PRESSURE AND TEMPERATURE MONITORING SYSTEM	B, Ebenezer Abishek. DR; Dadheech, Pankaj DR; Devaneyan, S.Pradeep DR; Joshi, Hitesh DR; Kshirsagar, Pravin R. DR; M, Lakshmanan. DR; M, Palanivelan. DR; Manoharan, Hariprasath DR; Monisha, M. DR; P, Vijayalakshmi. DR; Peroumal, Vijayakumar DR; Pravallika, Sirigireddy MRS; Sahoo, Santosh Kumar DR; Sasikala, K. DR; Sekar, V. DR; V, Noor Mohammed. DR; Vijayalakshmi, A. DR; W, Razia Sultana DR; kumar, Chinnapalli Likith MR	Devaneyan, S.Pradeep; Sahoo, Santosh Kumar; Dadheech, Pankaj; Vijayalakshmi, A.; B., Ebenezer Abishek.; M., Lakshmanan.; V., Noor Mohammed.; M., Palanivelan.; W., Razia Sultana; Kumar, Chinnapalli Likith; Pravallika, Sirigireddy; Sasikala, K.; Sekar, V.; Monisha, M.; P., Vijayalakshmi.; Joshi, Hitesh; Manoharan, Hariprasath; Kshirsagar, Pravin R.; Peroumal, Vijayakumar	2021-01-17	GRANTED

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PRINCIPAL
Dhanalakshmi Srinivasan
College of Engineering & Technology
ECR Road, Mamallapuram, Chennai-603 104




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Dhanalakshmi Srinivasan College
of Engineering & Technology
ECR Mamallapuram, Chennai-603 104