

Sl. No.	InPA SS Sera rch	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)
1		2926/DEL/2008	Granted	Shalini Srivastava, Pooja Goyal, Manmohan Srivastava	"A Physico Chemical Process To Enhance The Sorption Efficiency Of Leucaena Leucocephala Seed Powder(LLSP)"	Dayal Bagh Educational Institute,	24-12-08	06-03-18	293876	Dayalbagh Educational Institute
2		528/DEL/2011	Granted	K. Soami Daya	Magnetically tunable planar microwave device on non-magnetic dielectric substrate and a method of magnetic tuning thereof	K. Soami Daya	25-02-11	29-03-19	310364	Dayalbagh Educational Institute
3		373104	Granted	Neeraj Kumar Biswas, Anupam Srivastava, Sakshi Saxena, Anuradha Verma, Anamika Banerjee, Asha Kumari, Vibha Rani Satsangi, Rohit Srivastav, Sahab Dass	Partially crystalline nitrogen doped titanium dioxide for unbiased photoelectrochemical water splitting for hydrogen generation	DAYALBAGH EDUCATIONAL INSTITUTE	30-08-19	29-07-21	373104	Dayalbagh Educational Institute
4		331907-001	Granted	Bhanu Pratap Saini, Gurdeep Singh, Gurumukh Das	Ergonomic Three-Seater Wooden Sofa	Bhanu Pratap Saini, Gurdeep Singh, Gurumukh Das	13-08-20	13-08-20	331907-001	Dayalbagh Educational Institute
5		336632-001	Granted	Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	Ergonomic Jewellery Box	Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	21-12-20	21-12-20	336632-001	Dayalbagh Educational Institute
6		336629-001	Granted	Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	Compact Wooden Box	Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	21-12-20	21-12-20	336629-001	Dayalbagh Educational Institute
7		345654-001	Granted	Ankit Kushwaha, Gurdeep Singh, Gurumukh Das, Amrit Lal	Automated Temple Bell (Set)	Ankit Kushwaha, Gurdeep Singh, Gurumukh Das, Amrit Lal	03-07-21	03-07-21	345654-001	Dayalbagh Educational Institute
8		347570-001	Granted	Jitesh Singh Chauhan, Gurdeep Singh, Bighna Kalyan Nayak, Gurumukh Das	Plastic Pen Holder	Jitesh Singh Chauhan, Gurdeep Singh, Bighna Kalyan Nayak, Gurumukh Das	08-08-21	08-08-21	347570-001	Dayalbagh Educational Institute
9		2021105408	Granted	Vuppuluri, Prem Prakash; Chellapilla, Patvardhan	A METHOD AND SYSTEM FOR BUILDING MINIMUM SPANNING TREES WITH LEAF CONSTRAINT IN EUCLIDEAN SPACE	Vuppuluri, Prem Prakash; Chellapilla, Patvardhan	13-08-21	25-11-21	2021105408	Dayalbagh Educational Institute
10		348594-001	Granted	Amrit Lal, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	Ergonomic Castanet	Amrit Lal, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	29-08-21	29-08-21	348594-001	Dayalbagh Educational Institute
11		2021100592	Granted	K.Hansraj, Rajat Setia	Quantum seeded hybrid evolutionary computational process for constrained optimization	Dayalbagh Educational Institute	2021.01.29	2021.04.15	2021100592	Dayalbagh Educational Institute
12		201911002264	Published	D.Bhagwan Das, Ajay Kumar Saxena, G.S. Sailesh Babu, Gaurav Pratap Rana	Multiple land-use sun tracking structure for accommodating solar panels	DAYALBAGH EDUCATIONAL INSTITUTE	18-01-19	28-08-20	201911002264	Dayalbagh Educational Institute
13		202031041107	Published	1. SANDIPAN MALLIK, 2. RAHUL ROY, 3 . GUFRAN AHMAD, 4 . AHMAD RAJA 5 . SYED HABIBUR RAHEMAN	An automated probing system for measuring electrical characteristics of on-wafer devices and a method thereof	GUFRAN AHMAD	18-01-19	16-10-20	202031041107	Gufran Ahmad, DEI

				6 . AJIT DASH 7 . PRAKASH PANIGRAHI 8 . PRASHANT KUMAR SINGH 9 . SHRABANI GUATHAKURATA 10 . NABIN BARAN MANIK 11 . PALASH DAS 12 . SATYA SOPAN MAHATO						
14	201911007481	Published	D.Bhagwan Das, Ajay Kumar Saxena, Varun Maheshwari	Field programmable gate array based processing engine for electric power transmission lines	DAYALBAGH EDUCATIONAL INSTITUTE	26-02-19	04-09-20	2019110074 81	Dayalbagh Educational Institute	
15	202011014665	Published	Er. Ishant Singhal, Dr Ankit Sahai, Dr Rahul Swarup Sharma	Extruder of civil construction 3d printer for depositing concrete	Er. Ishant Singhal, Dr Ankit Sahai, Dr Rahul Swarup Sharma	02-04-20	08-05-20	2020110146 65	Dayalbagh Educational Institute	
16	202011018294	Published	Saurabh Bhardwaj, Shivam Gautam, Guru Ratan Satsangee, Er. Ishant Singhal, Dr Ankit Sahai, Dr Rahul Swarup Sharma	System and method to simulate 3d printer machine	Saurabh Bhardwaj, Shivam Gautam, Guru Ratan Satsangee, Er. Ishant Singhal, Dr Ankit Sahai, Dr Rahul Swarup Sharma	29-04-20	19-06-20	2020110182 94	Dayalbagh Educational Institute	
17	202011019765	Published	Er. Shailendra Shakya, Shivam Gautam, Sumit Agarwal, Saurabh Bhardwaj, Prashant Pachauri, Er. Pushpendra Yadav, Er. Ishant Singhal, Dr Ankit Sahai, Dr Rahul Swarup Sharma	Foldable freeform fabricator	Er. Shailendra Shakya, Shivam Gautam, Sumit Agarwal, Saurabh Bhardwaj, Prashant Pachauri, Er. Pushpendra Yadav, Er. Ishant Singhal, Dr Ankit Sahai, Dr Rahul Swarup Sharma	11-05-20	19-06-20	2020110197 65	Dayalbagh Educational Institute	
18	202011020521	Published	Er. Pushpendra Yadav, Saurabh Bhardwaj, Shivam Gautam, Dr Ankit Sahai, Dr Rahul Swarup Sharma	Fused material deposition system for producing rapid patterns	Er. Pushpendra Yadav, Saurabh Bhardwaj, Shivam Gautam, Dr Ankit Sahai, Dr Rahul Swarup Sharma	15-05-20	26-06-20	2020110205 21	Dayalbagh Educational Institute	
19	202011038309	Published	Guru Ratan Satsangee, Saurabh Bhardwaj, Ishant Singhal, Dr Ankit Sahai, Dr Rahul Swarup Sharma	Method and system for making washers and gaskets	Guru Ratan Satsangee, Saurabh Bhardwaj, Ishant Singhal, Dr Ankit Sahai, Dr Rahul Swarup Sharma	04-09-20	09-10-20	2020110383 09	Dayalbagh Educational Institute	
20	202011048692	Published	Anami Saggar, Guru Ratan Satsangee, Dr Ankit Sahai, Dr Rahul Swarup Sharma	Portable precision silent cooling system for storage of vaccine vials	Anami Saggar, Guru Ratan Satsangee, Dr Ankit Sahai, Dr Rahul Swarup Sharma	07-11-20	20-11-20	2020110486 92	Dayalbagh Educational Institute	
21	202111004303	Published	1 . Dr.Kedri Janardhana 2 . Jayabalan Sivasamy 3 . Dr.Neelakandeswari Natarajan 4 . Dr.Yogambal Jayalakshmi Natarajan 5 . Koteeswaran Sivasamy 6 . Dr.C. Udhaya Shankar 7 . Saravanan D 8 .	Iot enabled intelligent solar charge controller for a smart irrigation system	Dr.Kedri Janardhana	01-02-21	12-02-21	07/2021	Dayalbagh Educational Institute	

			Dr.D.Stalin David 9 . Dr.T.Vinoth Kumar					
22	202111004715	Published	1)Dr.Kedri Janardhana 2)Dr.T.Vinoth Kumar 3)Dr. Chitra Pasupathi 4)Dr.K.Chokkanathan 5)Dr.P.Subhashini 6)P.Rathnavel 7)Dr. K. Rajeshwar Rao 8)P. Meenalochini 9)Mr.Saravanan D	Intelligent connectivity driving using vehicular ad hoc networks for future transportation	Dr.Kedri Janardhana	03-02-21	12-02-21	07/2021
23	202111005159	Published	1)Dr.Kedri Janardhana 2)Dr. Rajeev Gupta 3)Vivek Bhatnagar 4)Gulbir Singh 5)Gautam Kumar 6)Dr R Rajeswari 7)SHINI RENJITH 8)Saravanan D 9)Dr.D.Stalin David 10)M.Vijayaragavan	A system and method for wildlife surveillance using deep learning	Dr.Kedri Janardhana	06-02-21	12-02-21	07/2021
24	202111006351	Published	1)Dr.Kedri Janardhana 2)Dr. SURIYA BEGUM 3)Dr.G.Prakash 4)Mrs.V.Akshaya 5)Dr. K. Rajeshwar Rao 6)Mr.K. Venkateshwar Rao 7)Dr.G.Ravivarman 8)Dr D Beulah David 9)MS. S.Karthika	Augmented reality-based low cost smart helmet for e-vehicle	Dr.Kedri Janardhana	15-02-21	19-02-21	08/2021
25	202111007211	Published	1)Dr.Kedri Janardhana 2)Mr. C. S. Sundar Ganesh 3)Dr.M.Jagadeesh kumar 4)Mr.G.G.Muthukumar 5)Dr. N. Yogambal Jayalakshmi 6)Dr.R.Arul Jose 7)Dr. K. Uthayarani 8)Dr. M. Chitra 9)Mrs. R. Vasantha Priya 10)Mr.Jayabalan Sivasamy	Intelligent fully autonomous quick waterless solar panel cleaning	Dr.Kedri Janardhana	20-02-21	26-02-21	09/2021
26	202111008211	Published	1)Dr.Kedri Janardhana 2)Dr.V. Elizabeth Jesi 3)M.Vijayaragavan 4)Dr. SHOIEB AHAMED 5)Mr.Rajendirakumar 6)Mr.P.Rajasekar 7)Ms. K. REKHA 8)Dr.A.Nirmal Kumar 9)Dr. M. Rajalakshmi 10)Dr.J.JOSPIN JEYA	Wearable devices using low power wide area network (LPWAN) for self health monitoring	Dr.Kedri Janardhana	26-02-21	05-03-21	10/2021
27	202111009492	Published	1)Dr.Kedri Janardhana 2)Mrs.Rekha Baghel 3)Dr.T.Vinoth Kumar	Ai based e-vehicle battery power management system	Dr.Kedri Janardhana	07-03-21	12-03-21	11/2021

				4)Dr. K. Rajeshwar Rao 5)Dr.T.Vandarkuzhalai 6)Mr.Saravanan D 7)Mr. Aruna kumar Joshi 8)Mrs.B.S.Nalina 9)Mrs.S.L.Sreedevi 10)K.Saravanan						
28	202111009854	Published	1)Dr.Kedri Janardhana 2)Dr. C. Karthik 3)M.Chilbarasan 4)Mr. Sourabh Shastri 5)Mr. Kuljeet Singh 6)Mr. Sachin Kumar 7)Prof. Vibhakar Mansora 8)Dr.A.Nirmal Kumar 9)Dr.T.Vandarkuzhalai 10)Dr.G.Ravivaraman	Hybrid drone for smart logistics using IoT	Dr.Kedri Janardhana	09-03-21	12-03-21	11/2021	Dayalbagh Educational Institute	
29	202111012231	Published	1)Dr.Kedri Janardhana 2)Dr.T.Vinoth Kumar 3)M.Vijayaragavan 4)Mr.T.Senthil Kumar 5)Mr.B.Gopinath 6)Dr. K. Rajeshwar Rao 7)Mr.K. Venkateshwar Rao 8)Dr.D.Stalin David 9)Mr.B.Ashok 10)Dr. Yogambal Jayalakshmi Natarajan	Ai based hybrid leg wheel track ground mobile robot	Dr.Kedri Janardhana	22-03-21	26-03-21	13/2021	Dayalbagh Educational Institute	
30	202111013094	Published	1)Dr.Kedri Janardhana 2)Mr.A .Richard Pravin 3)Allwyn Gnanadas. A 4)M.Vijayaragavan 5)Mrs M.Perarasai 6)Dr. K. Rajeshwar Rao 7)Dr.T.Vinoth Kumar 8)Issakki Raja.P 9)Muneeswaran.R 10)UMA SELVAN.P	IoT based cost-effective solar powered water cooler system	Dr.Kedri Janardhana	25-03-21	16-04-21	16/2021	Dayalbagh Educational Institute	
31	202111015818	Published	1)Dr.Kedri Janardhana 2)Mrs.Indhumathi G 3)Dr. K. Rajeshwar Rao 4)Dr. S. Vijayalakshmi 5)Mr.S.Vivekanandan 6)Prof. Dharamvir 7)Mr. R G Padmanabhan 8)DR.L.Arokia jesu prabhu 9)Mrs. Bhawna Singh 10)Dr. Neeraj Sharma	An accident prediction system for electric vehicle using AI	Dr.Kedri Janardhana	03-04-21	23-04-21	17/2021	Dayalbagh Educational Institute	
32	2021104261	Published	Agrawal, M; Prakash, V. Prem; Sengar, Ayushi; Singhal, Rishabh	A method and system for estimating two-colorability for conflict-free coloring	Agrawal, M; Prakash, V. Prem; Sengar, Ayushi; Singhal, Rishabh	16-07-21	16-07-21	2021104261	Dayalbagh Educational Institute	



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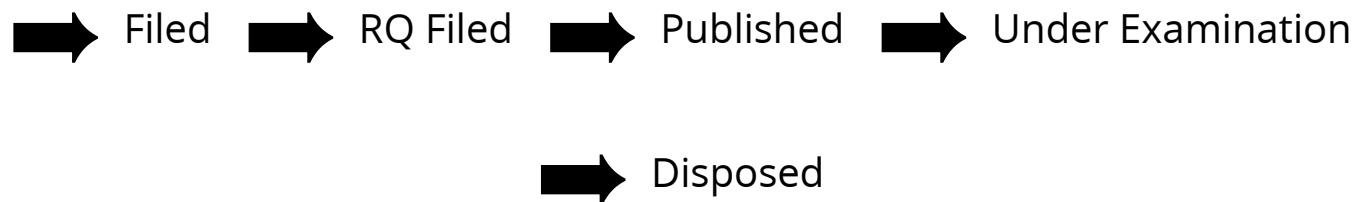
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	2926/DEL/2008
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/12/2008
APPLICANT NAME	DAYAL BAGH EDUCATIONAL INSTITUTE,
TITLE OF INVENTION	"A PHYSICO CHEMICAL PROCESS TO ENHANCE THE SORPTION EFFICIENCY OF Leucaena leucocephala SEED POWDER(LLSP)"
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	lsdavar@ndf.vsnl.net.in
E-MAIL (UPDATED Online)	delhi@lsdavar.in
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	07/10/2009
PUBLICATION DATE (U/S 11A)	20/08/2010
FIRST EXAMINATION REPORT DATE	26/03/2014
Date Of Certificate Issue	06/03/2018
POST GRANT JOURNAL DATE	09/03/2018
REPLY TO FER DATE	19/01/2015

Application Status

APPLICATION STATUS	Granted Application, Patent Number :293876
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[E-Register](#)[View Examination Report\(s\)](#)[View Documents](#)

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Department of Industrial Policy & Promotion,
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Government of India

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Application Details

APPLICATION NUMBER	528/DEL/2011
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/02/2011
APPLICANT NAME	DAYALBAGH EDUCATIONAL INSTITUTE
TITLE OF INVENTION	"MAGNETICALLY TUNABLE PLANAR MICROWAVE DEVICE ON NON-MAGNETIC DIELECTRIC SUBSTRATE AND A METHOD OF MAGNETIC TUNING THEREOF"
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	ipo@knspartners.com
ADDITIONAL-EMAIL (As Per Record)	ipo@knspartners.com
E-MAIL (UPDATED Online)	
PCT INTERNATIONAL APPLICATION NUMBER	
PCT INTERNATIONAL FILING DATE	25/02/2011
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	03/03/2011
PUBLICATION DATE (U/S 11A)	01/02/2013
FIRST EXAMINATION REPORT DATE	07/08/2017
Date Of Certificate Issue	29/03/2019
POST GRANT JOURNAL DATE	05/04/2019
REPLY TO FER DATE	07/03/2018

Application Status

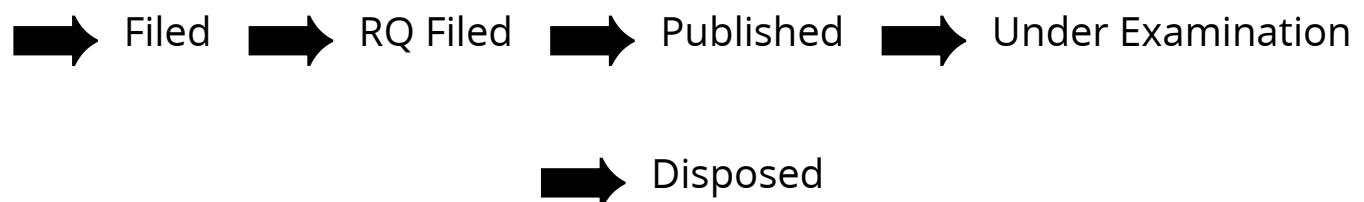
APPLICATION STATUS

Granted Application, Patent Number :310364

E-Register

Order(s)/Decision(s)

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GEOGRAPHICAL INDICATIONS



क्रमांक : 011112141
SL No :



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GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

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

पेटेंट सं. / Patent No.	310364
आवेदन सं. / Application No.	528/DEL/2011
फाइल करने की तारीख / Date of Filing	25/02/2011
पेटेंटी / Patentee	DAYALBAGH EDUCATIONAL INSTITUTE

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित "MAGNETICALLY TUNABLE PLANAR MICROWAVE DEVICE ON NON-MAGNETIC DIELECTRIC SUBSTRATE AND A METHOD OF MAGNETIC TUNING THEREOF" नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 25th day of February 2011 से बीस वर्ष की अवधि के लिए पेटेंट अनुदात किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled "MAGNETICALLY TUNABLE PLANAR MICROWAVE DEVICE ON NON-MAGNETIC DIELECTRIC SUBSTRATE AND A METHOD OF MAGNETIC TUNING THEREOF" as disclosed in the above mentioned application for the term of 20 years from the 25th day of February 2011 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 29/03/2019
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 25th day of February 2013 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 25th day of February 2013 and on the same day in every year thereafter.



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 Department of Industrial Policy & Promotion,
 Ministry of Commerce & Industry,
 Government of India

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Application Details

APPLICATION NUMBER	201911034994
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	30/08/2019
APPLICANT NAME	1 . BISWAS NEERAJ KUMAR (MR.) 2 . SRIVASTAV ANUPAM (DR.) 3 . SAXENA SAKSHI (MS.) 4 . VERM ANURADHA (DR.) 5 . BANERJEE ANAMIKA (DR.) 6 . KUMARI ASHA (MS.) 7 . SATSANGI VIBHA RANI (PROF.) 8 . SHRIVASTAV ROHIT (PROF.) 9 . DASS SAHAB (PROF.)
TITLE OF INVENTION	"PARTIALLY CRYSTALLINE NITROGEN DOPED TITANIUM DIOXIDE FOR UNBIASED PHOTOCHEMICAL WATER SPLITTING FOR HYDROGEN GENERATION"
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	drsahabdas@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	30/08/2019
PUBLICATION DATE (U/S 11A)	18/12/2020
FIRST EXAMINATION REPORT DATE	22/02/2021
Date Of Certificate Issue	29/07/2021
POST GRANT JOURNAL DATE	30/07/2021
REPLY TO FER DATE	17/04/2021

Application Status

APPLICATION STATUS

Granted Application, Patent Number :373104**E-Register****Order(s)/Decision(s)****View Documents****→ Filed → RQ Filed → Published → Under Examination****→ Disposed**

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सर्वोच्च अधिकारी

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GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 331907-001
Date 13/08/2020 10:55:16
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 06-01 in respect of the application of such design to ERGONOMIC THREE SEATER WOODEN SOFA in the name of 1.BHANU PRATAP SAINI, H.NO. 1/77, MATHURA REFINERY NAGAR TOWNSHIP, MATHURA - 281006 2. GURDEEP SINGH, MSQ 307, IIT GUWAHATI CAMPUS 3. DR. GURUMUKH DAS, 4/135 VIDUYT NAGAR, DAYALBAGH, AGRA

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

OKnwl

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

MR. GURDEEP SINGH,
NEW MARRIED SCHOLAR QUARTER NO. 307, IIT
GUWAHATI CAMPUS, NORTH GUWAHATI, DISTT:



ORIGINAL

No. 95338

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GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No.

336632-001

Date

21/12/2020 21:13:00

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 03-01 in respect of the application of such design to ERGONOMIC JEWELLERY BOX in the name of 1. BHANU PRATAP SAINI, H.NO. 1/77, MATHURA REFINERY NAGAR TOWNSHIP, MATHURA, 281006 2. GURDEEP SINGH, NEW MARRIED SCHOLAR QUARTER NO. 307, IIT GUWAHATI CAMPUS, NORTH GUWAHATI, 781039 3. ARSHDEEP KAUR, NEW MARRIED SCHOLAR QUARTER NO. 307, IIT GUWAHATI CAMPUS, NORTH GUWAHATI, 781039 4. DR. GURUMUKH DAS, 4/135 VIDYUT NAGAR, DAYALBAGH, AGRA, 282005

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

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*The reciprocity date (if any) which has been allowed and the name of the country.

Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years.

This Certificate is not for use in legal proceedings or for obtaining registration abroad.

MR. GURDEEP SINGH,
NEW MARRIED SCHOLAR QUARTER NO. 307, IIT
GUWAHATI CAMPUS, NORTH GUWAHATI,
ASSAM, PIN: 781039

Date of Issue 02/02/2021 14:33:36

Design Application Details

Application Number:

336632-001

Cbr Number:

23301

Cbr Date:

21/12/2020 21:13:00

Applicant Name:

1. Bhanu Pratap Saini, 2. Gurdeep Singh, 3. Arshdeep Kaur, 4. Dr. Gurumukh Das,

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 07/2021 and Journal Date is 12/02/2021

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230.The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata : controllerdesign.ipo@nic.in
Controller General of Patents, Designs and Trademarks

Design Application Details

Application Number:

336629-001

Cbr Number:

23296

Cbr Date:

21/12/2020 21:16:38

Applicant Name:

1. Bhanu Pratap Saini, 2. Gurdeep Singh, 3. Arshdeep Kaur, 4. Dr. Gurumukh Das,

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 01/2022 and Journal Date is 07/01/2022

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230.The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata : controllerdesign.ipo@nic.in

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ORIGINAL

No. 101811

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GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No.

345654-001

Date

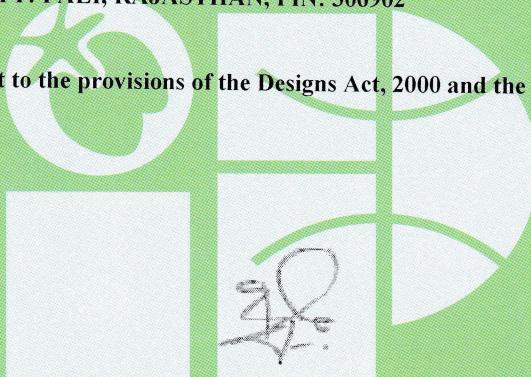
03/07/2021 14:32:22

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 17-04 in respect of the application of such design to AUTOMATED TEMPLE BELL (SET) in the name of 1.ANKIT KUSHWAHA, C-2, H.NO. B-243, SHASTRIPURAM, AGRA, PIN: 282007 2. GURDEEP SINGH, NEW MARRIED SCHOLAR QUARTER NO. 307, IIT GUWAHATI CAMPUS, NORTH GUWAHATI, ASSAM, PIN: 781039 3. GURUMUKH DAS, 4/135 VIDYUT NAGAR, DAYALBAGH, AGRA, UTTAR PRADESH, PIN: 282005 4. AMRIT LAL, WARD NO. 31, SUMERPUR, DISTT: PALI, RAJASTHAN, PIN: 306902

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



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Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years.

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MR. GURDEEP SINGH,
NEW MARRIED SCHOLAR QUARTER NO. 307, IIT
GUWAHATI CAMPUS, NORTH GUWAHATI, ASSAM,
PIN: 781039

INTELLECTUAL PROPERTY INDIA
DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Date of Issue 03/09/2021 14:55:05

Design Application Details

Application Number:

347570-001

Cbr Number:

206116

Cbr Date:

08/08/2021 22:49:35

Applicant Name:

1. JITESH SINGH CHAUHAN, 2. GURDEEP SINGH, 3. BIGHNA KALYAN NAYAK, 4. GURUMUKH DAS,

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 42/2021 and Journal Date is 15/10/2021

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230.The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata : controllerdesign.ipo@nic.in

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Application Details

2021105408
: A METHOD AND SYSTEM FOR BUILDING MINIMUM SPANNING TREES WITH LEAF CONSTRAINT IN EUCLIDEAN SPACE

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021105408	Patent application type	Innovation			
Application status	GRANTED	Paid to date	2023-08-13	First IPC Mark G06F 16/901 (2021.01)		
Currently under opposition	No	Proceeding type(s)				
Invention title	A METHOD AND SYSTEM FOR BUILDING MINIMUM SPANNING TREES WITH LEAF CONSTRAINT IN EUCLIDEAN SPACE					
Inventor(s)	Vuppuluri, Prem Prakash ; Chellapilla, Patvardhan					
Agent name	Vuppuluri, Dr. Prem Prakash	Address for legal service	VIC 3046 Australia	show full address		
Filing date	2021-08-13	Australian OPI date	2021-11-25	OPI published in journal		
Effective date of patent	2021-08-13	Expiry date	2029-08-13			
Additional/Divisional application number	Additional/Divisional relationship					

Applicant details

Applicant	DAYALBAGH EDUCATIONAL INSTITUTE	Applicant address	Uttar Pradesh 282005 India
Old name(s)	Chellapilla, Patvardhan ; Vuppuluri, Prem Prakash		

IPC details

Int Cl.	Version	First Mark
G06F 16/901 (2021.01)	Y	
G06F 17/10 (2021.01)	N	

Priority details

Earliest priority date	2021-08-13	Number	Filing date	Priority date
Type				

SPECIFICATION/E-REGISTER

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EDOSSIER

Document Date	Document Title	Document Type	Document Status	File Size (KB)
2021-12-16	Assignment Allowed - Notice to Requestor 16-12-2021	CORRO OUT	FILED	169
2021-12-16	Cover Sheet Req Assignment 30-11-2021 AMCZ-2110679520	OTHER	FILED	4
2021-12-16	Req Assignment 30-11-2021 AMCZ-2110679520	AMENDMENT	FILED	978
2021-12-16	Req Assignment 30-11-2021 AMCZ-2110679520	AMENDMENT	FILED	97
2021-11-10	Innovation Patent Certificate 10-11-2021	CORRO OUT	FILED	1812
2021-11-10	Innovation Patent Notice of Grant 10-11-2021	CORRO OUT	FILED	267
2021-10-29	Claim Acc-OPI 2021105408	CLAIM	ACCEPTED	79
2021-10-29	Combined Abstract Acc-OPI 2021105408	ABSTRACT	ACCEPTED	47
2021-10-29	Description Acc-OPI 2021105408	DESCRIPTION	ACCEPTED	694
2021-10-29	Drawing Acc-OPI 2021105408	DRAWING	ACCEPTED	311
2021-10-11	Drawing 13-08-2021 AMCZ-211035664528473839	DRAWING	FILED	311
2021-10-11	Innovation Patent Application Filing Receipt 11-10-2021	CORRO OUT	FILED	278
2021-08-13	Abstract 13-08-2021 AMCZ-2110356645	ABSTRACT	FILED	18
2021-08-13	Claim 13-08-2021 AMCZ-2110356645	CLAIM	FILED	79
2021-08-13	Cover Sheet App Inov 13-08-2021 AMCZ-2110356645	OTHER	FILED	5
2021-08-13	Description 13-08-2021 AMCZ-2110356645	DESCRIPTION	FILED	694
2021-08-13	Note Entlmnt 13-08-2021 AMCZ-2110356645	NOTE ENTLMNT	FILED	4
2021-08-13	Patent Request 13-08-2021 AMCZ-2110356645	PATENT REQUEST	FILED	5

LIFECYCLE DETAILS

Acceptance details

Acceptance date 2021-11-05

Granting details

Deferment of granting	No	Granting date	2021-11-10	Granted published date	2021-11-25
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FEES/PUBLICATION HISTORY

Continuation/Renewal fee history

Date paid	Paid to date	2023-08-13	Next fee due	2	Fee Table
Last agency address					

Publication history

Vol/Iss	Publication date	Publication action	Reason	Document kind
36/1	2022-01-06	Assignments Registered - Section 187 & Reg 19		
35/47	2021-11-25	Innovation Patents OPI		AU-A4
35/47	2021-11-25	Patent Granted - Innovation Patents		
35/42	2021-10-21	Innovation Application Filed		

OWNERSHIP DETAILS

Change of ownership

New name	DAYALBAGH EDUCATIONAL INSTITUTE	Old name	Chellapilla, Patvardhan; Vuppuluri, Prem Prakash
Date of request	2021-11-30	Date of allowance of name change	2021-12-16
Date published	2022-01-06	Reason	Request for Assignment

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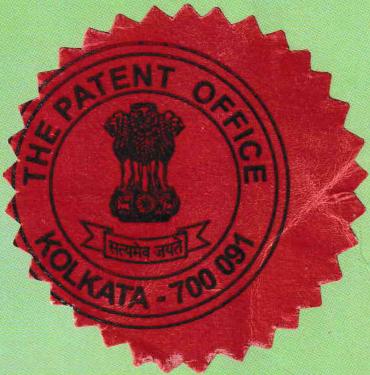
Search Results

Your search for **2021105408** returned **1** result.

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Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	First IPC mark
1 2021105408	A METHOD AND SYSTEM FOR BUILDING MINIMUM SPANNING TREES WITH LEAF CONSTRAINT IN EUCLIDEAN SPACE	DAYALBAGH EDUCATIONAL INSTITUTE	Vuppuluri, Prem Prakash; Chellapilla, Patvardhan	2021-08-13	GRANTED	G06F16/901

This data is current as of **2022-05-22 18:00 AEST**.



ORIGINAL

No. 103411

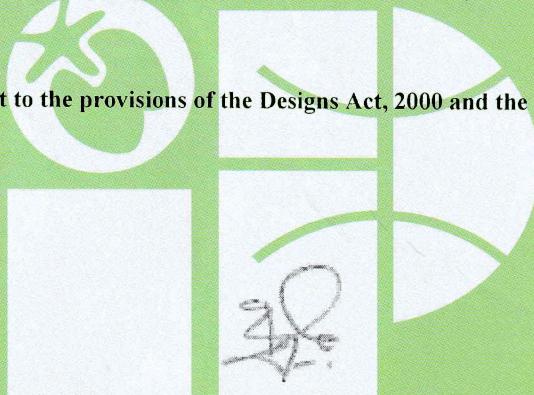
भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 348594-001
Date 29/08/2021 22:02:28
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 17-04 in respect of the application of such design to ERGONOMIC CASTANET in the name of 1. AMRIT LAL, WARD NO. 31, SUMERPUR, DISTT: PALI, RAJASTHAN, PIN: 306902 2. GURDEEP SINGH, NEW MARRIED SCHOLAR QUARTER NO. 307, IIT GUWAHATI CAMPUS, NORTH GUWAHATI, ASSAM, PIN: 781039 3. ARSHDEEP KAUR, NEW MARRIED SCHOLAR QUARTER NO. 307, IIT GUWAHATI CAMPUS, NORTH GUWAHATI, ASSAM, PIN: 781039 4. GURUMUKH DAS, 4/135 VIDYUT NAGAR, DAYALBAGH, AGRA, UTTAR PRADESH, PIN: 282005

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



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*The reciprocity date (if any) which has been allowed and the name of the country.

Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years.

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INTELLECTUAL
PROPERTY INDIA

MR. GURDEEP SINGH,
NEW MARRIED SCHOLAR QUARTER NO. 307, IIT
GUWAHATI CAMPUS, NORTH GUWAHATI, ASSAM,
PIN: 781039

PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Date of Issue 11/10/2021 10:48:19

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Search Results

Your search for **2021100592** returned **1** result.

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Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	First IPC mark
1 2021100592	QUANTUM SEDED HYBRID EVOLUTIONARY COMPUTATIONAL PROCESS FOR CONSTRAINED OPTIMIZATION	Dayalbagh Educational Institute	Hans Raj, K.; Setia, Rajat	2021-01-29	GRANTED	G06F30/23

This data is current as of **2022-05-22 18:00 AEST**.

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Application Details

2021100592
: QUANTUM SEEDED HYBRID EVOLUTIONARY COMPUTATIONAL PROCESS FOR CONSTRAINED OPTIMIZATION

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021100592	Patent application type	Innovation			
Application status	GRANTED	Paid to date	2023-01-29	First IPC Mark G06F 30/23 (2021.01)		
Currently under opposition	No	Proceeding type(s)				
Invention title	QUANTUM SEEDED HYBRID EVOLUTIONARY COMPUTATIONAL PROCESS FOR CONSTRAINED OPTIMIZATION					
Inventor(s)	Hans Raj, K. ; Setia, Rajat					
Agent name	Hans Raj, K. PROF	Address for legal service	VIC 3084 Australia	show full address		
Filing date	2021-01-29	Australian OPI date	2021-04-15	OPI published in journal		
Effective date of patent	2021-01-29	Expiry date	2029-01-29			
Additional/Divisional application number	Additional/Divisional relationship					

Applicant details

Applicant	Dayalbagh Educational Institute	Applicant address	Agra 282005 India
Old name(s)			

IPC details

Int Cl.	Version	First Mark
G06F	30/23 (2021.01)	Y
G05B	13/02 (2021.01)	N
G05B	13/04 (2021.01)	N
B21C	23/00 (2021.01)	N
G06F	111/04 (2021.01)	N
G06F	111/06 (2021.01)	N
G06F	111/08 (2021.01)	N
G06F	119/14 (2021.01)	N

Priority details

Earliest priority date	2021-01-29	Type	Number	Filing date	Priority date

SPECIFICATION/E-REGISTER

History of Published Specifications:

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Specification Codes[View an Extract of the Register for this patent.](#)**E DOSSIER**

Document Date	Document Title	Document Type	Document Status	File Size (KB)
2021-03-31	Innovation Patent Certificate 31-03-2021	CORRO OUT	FILED	1808
2021-03-31	Innovation Patent Notice of Grant 31-03-2021	CORRO OUT	FILED	267
2021-03-25	Claim Acc-OPI 2021100592	CLAIM	ACCEPTED	85
2021-03-25	Combined Abstract Acc-OPI 2021100592	ABSTRACT	ACCEPTED	102
2021-03-25	Description Acc-OPI 2021100592	DESCRIPTION	ACCEPTED	8995
2021-03-25	Drawing Acc-OPI 2021100592	DRAWING	ACCEPTED	1382
2021-02-12	Drawing 29-01-2021 SPBI-0002466572	DRAWING	FILED	1382
2021-02-12	Innovation Patent Application Filing Receipt 12-02-2021	CORRO OUT	FILED	312
2021-01-29	Abstract 29-01-2021 SPBI-0002466572	ABSTRACT	FILED	31
2021-01-29	Claim 29-01-2021 SPBI-0002466572	CLAIM	FILED	85
2021-01-29	Cover Sheet App Inov 29-01-2021 SPBI-0002466572	OTHER	FILED	5
2021-01-29	Description 29-01-2021 SPBI-0002466572	DESCRIPTION	FILED	8995
2021-01-29	Note Entlmnt 29-01-2021 SPBI-0002466572	NOTE ENTLMT	FILED	4
2021-01-29	Patent Request 29-01-2021 SPBI-0002466572	PATENT REQUEST	FILED	5
2021-01-29	SPEI-0004683929 - Main Document	CORRO IN	FILED	31

LIFECYCLE DETAILS

Acceptance details

Acceptance date 2021-03-26

Granting details

Deferment of granting	No	Granting date	2021-03-31	Granted published date	2021-04-15
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Fee/Publication History

Continuation/Renewal fee history

Date paid	Paid to date	2023-01-29	Next fee due	2	Fee Table
Last agency address					

Publication history

Vol/Iss	Publication date	Publication action	Reason	Document kind
35/15	2021-04-15	Innovation Patents OPI		AU-A4
35/15	2021-04-15	Patent Granted - Innovation Patents		
35/8	2021-02-25	Innovation Application Filed		

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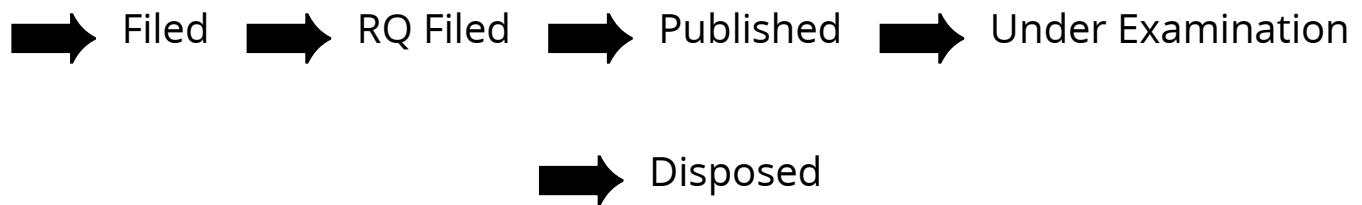
Application Details

APPLICATION NUMBER	201911002264
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/01/2019
APPLICANT NAME	DAYALBAGH EDUCATIONAL INSTITUTE
TITLE OF INVENTION	"MULTIPLE LAND-USE SUN TRACKING STRUCTURE FOR ACCOMMODATING SOLAR PANELS"
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	services@ciplegit.com
ADDITIONAL-EMAIL (As Per Record)	services@ciplegit.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	24/01/2020
PUBLICATION DATE (U/S 11A)	28/08/2020
REPLY TO FER DATE	04/11/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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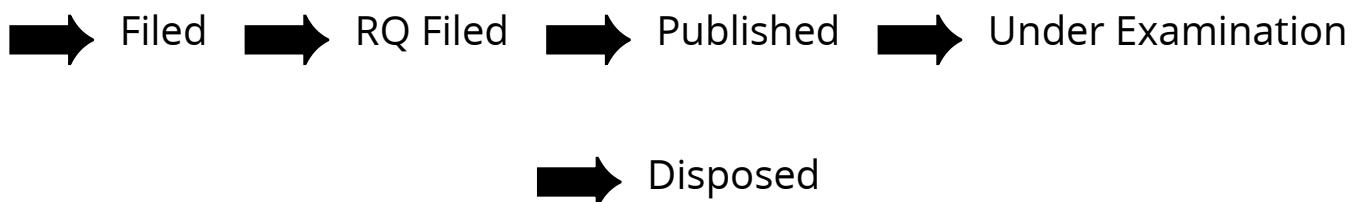
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Application Details

APPLICATION NUMBER	202031041107
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/09/2020
APPLICANT NAME	1 . SANDIPAN MALLIK 2 . RAHUL ROY 3 . GUFRAN AHMAD 4 . AHMAD RAJA 5 . SYED HABIBUR RAHEMAN 6 . AJIT DASH 7 . PRAKASH PANIGRAHI 8 . PRASHANT KUMAR SINGH 9 . SHRABANI GUHATHAKURATA 10 . NABIN BARAN MANIK 11 . PALASH DAS 12 . SATYA SOPAN MAHATO
TITLE OF INVENTION	AN AUTOMATED PROBING SYSTEM FOR MEASURING ELECTRICAL CHARACTERISTICS OF ON-WAFER DEVICES AND A METHOD THEREOF
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	gufran.iitkgp@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sandi.iitkgp@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	22/09/2020
PUBLICATION DATE (U/S 11A)	16/10/2020
REPLY TO FER DATE	09/03/2022

Application Status

APPLICATION STATUS

Reply Filed. Application in amended examination[View Documents](#)

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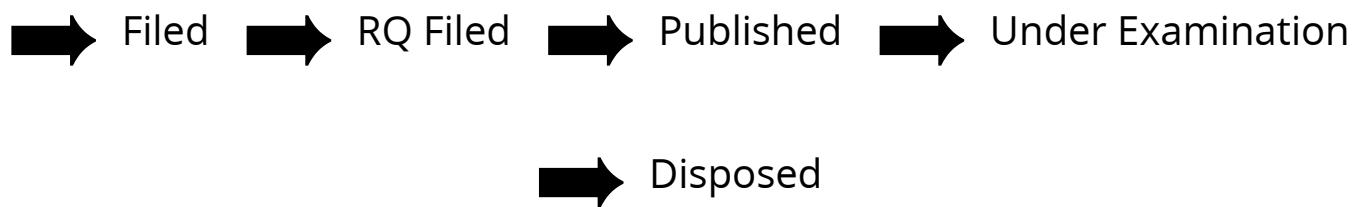
Application Details

APPLICATION NUMBER	201911007481
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/02/2019
APPLICANT NAME	DAYALBAGH EDUCATIONAL INSTITUTE
TITLE OF INVENTION	"FIELD PROGRAMMABLE GATE ARRAY BASED PROCESSING ENGINE FOR ELECTRIC POWER TRANSMISSION LINES"
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	services@ciplegit.com
ADDITIONAL-EMAIL (As Per Record)	services@ciplegit.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	28/01/2020
PUBLICATION DATE (U/S 11A)	04/09/2020
REPLY TO FER DATE	30/11/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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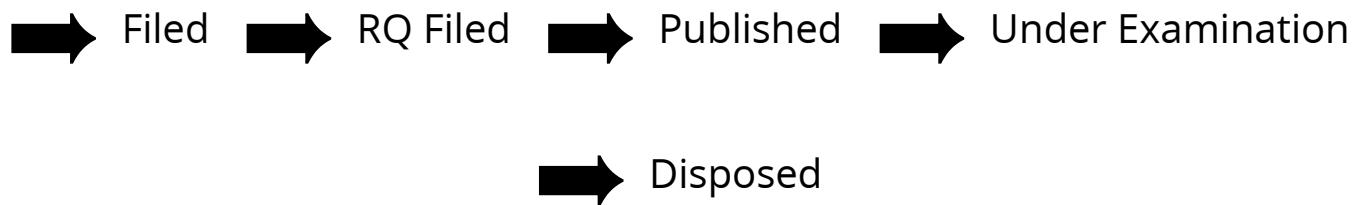
Application Details

APPLICATION NUMBER	202011014665
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/04/2020
APPLICANT NAME	1 . Er. Ishant Singhal 2 . Dr. Ankit Sahai 3 . Dr Rahul Swarup Sharma
TITLE OF INVENTION	EXTRUDER OF CIVIL CONSTRUCTION 3D PRINTER FOR DEPOSITING CONCRETE
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	pooja@innoveintellects.com
ADDITIONAL-EMAIL (As Per Record)	rahulswarup.sharma@gmail.com
E-MAIL (UPDATED Online)	rahulswarup.sharma@gmail.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	03/04/2020
PUBLICATION DATE (U/S 11A)	08/05/2020
REPLY TO FER DATE	28/06/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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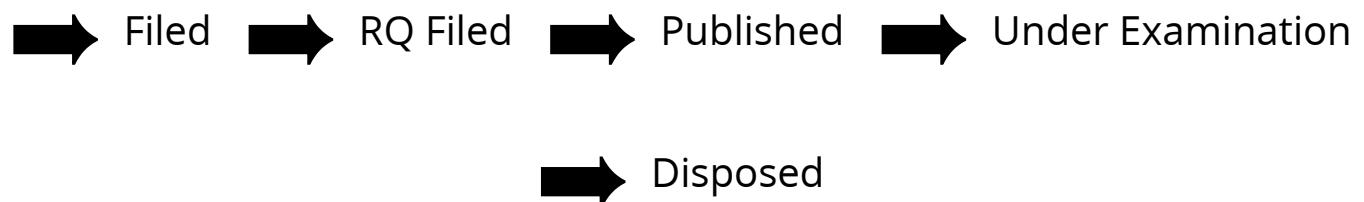
[\(http://ipindia.nic.in/index.htm\)](http://ipindia.nic.in/index.htm)

Application Details

APPLICATION NUMBER	202011018294
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	29/04/2020
APPLICANT NAME	1 . Saurabh Bhardwaj 2 . Shivam Gautam 3 . Guru Ratan Satsangee 4 . Er. Ishant Singhal 5 . Dr. Ankit Sahai 6 . Dr Rahul Swarup Sharma
TITLE OF INVENTION	SYSTEM AND METHOD TO SIMULATE 3D PRINTER MACHINE
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	rahulswarup.sharma@gmail.com
E-MAIL (UPDATED Online)	rahulswarup.sharma@gmail.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	29/04/2020
PUBLICATION DATE (U/S 11A)	19/06/2020
REPLY TO FER DATE	15/07/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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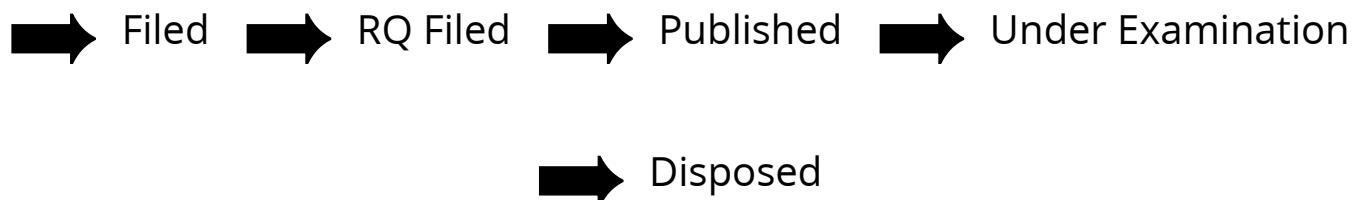
Application Details

APPLICATION NUMBER	202011019765
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/05/2020
APPLICANT NAME	1 . Er. Shailendra Shakya 2 . Shivam Gautam 3 . Sumit Agarwal 4 . Saurabh Bhardwaj 5 . Prashant Pachauri 6 . Er. Pushpendra Yadav 7 . Er. Ishant Singhal 8 . Dr. Ankit Sahai 9 . Dr. Rahul Swarup Sharma
TITLE OF INVENTION	FOLDABLE FREEFORM FABRICATOR
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	pooja@innoveintellects.com
ADDITIONAL-EMAIL (As Per Record)	pooja@innoveintellects.com
E-MAIL (UPDATED Online)	rahulswarup.sharma@gmail.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	13/05/2020
PUBLICATION DATE (U/S 11A)	19/06/2020
REPLY TO FER DATE	13/05/2022

Application Status

APPLICATION STATUS

Reply Filed. Application in amended examination

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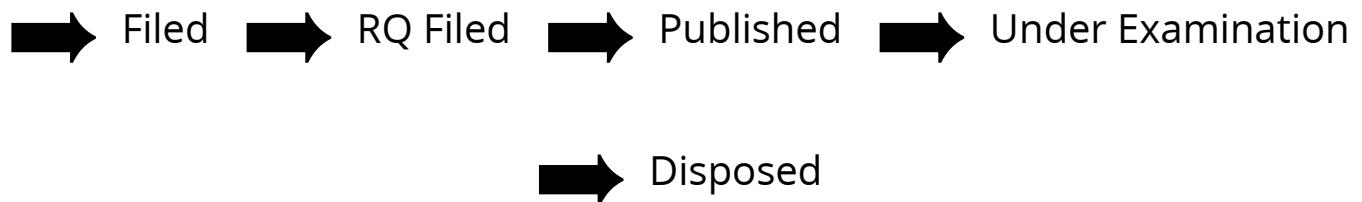
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202011020521
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/05/2020
APPLICANT NAME	1 . Er. PushpendraYadav 2 . Saurabh Bhardwaj 3 . Shivam Gautam 4 . Dr. Ankit Sahai 5 . Dr Rahul Swarup Sharma
TITLE OF INVENTION	FUSED MATERIAL DEPOSITION SYSTEM FOR PRODUCING RAPID PATTERNS
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	rahulswarup.sharma@gmail.com
E-MAIL (UPDATED Online)	rahulswarup.sharma@gmail.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	16/05/2020
PUBLICATION DATE (U/S 11A)	26/06/2020
REPLY TO FER DATE	31/07/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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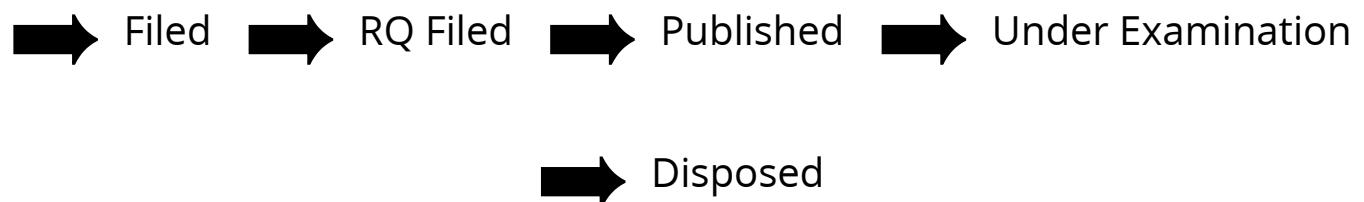
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202011038309
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/09/2020
APPLICANT NAME	1 . GURU RATAN SATSANGEE 2 . SAURABH BHARDWAJ 3 . Er. ISHANT SINGHAL 4 . Dr. ANKIT SAHAI 5 . Dr. RAHUL SWARUP SHARMA
TITLE OF INVENTION	METHOD AND SYSTEM FOR MAKING WASHERS AND GASKETS
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	rahulswarup.sharma@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	04/09/2020
PUBLICATION DATE (U/S 11A)	09/10/2020
REPLY TO FER DATE	10/08/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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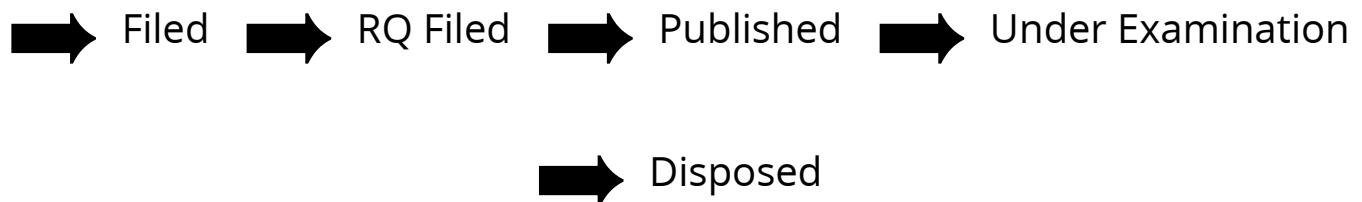
Application Details

APPLICATION NUMBER	202011048692
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/11/2020
APPLICANT NAME	1 . ANAMI SAGGAR 2 . GURU RATAN SATSANGEE 3 . DR. ANKIT SAHAI 4 . DR. RAHUL SWARUP SHARMA
TITLE OF INVENTION	PORTABLE PRECISION SILENT COOLING SYSTEM FOR STORAGE OF VACCINE VIALS
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	rahulswarup.sharma@gmail.com
ADDITIONAL-EMAIL (As Per Record)	grsatsangee004@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	07/11/2020
PUBLICATION DATE (U/S 11A)	20/11/2020

Application Status

APPLICATION STATUS	FER Issued, Reply not Filed
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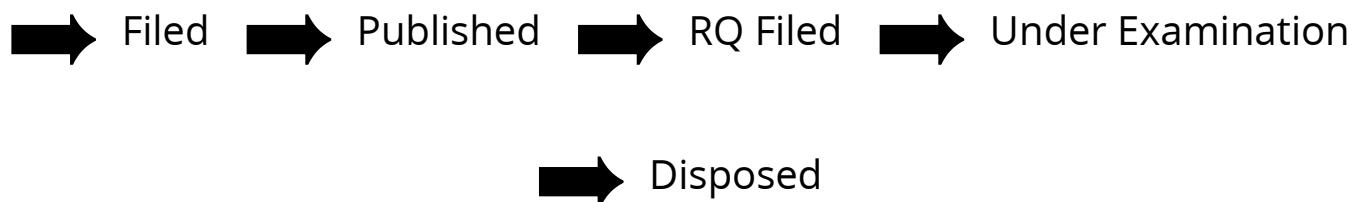
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202111004303
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Jayabalan Sivasamy 3 . Dr.Neelakandeswari Natarajan 4 . Dr.Yogambal Jayalakshmi Natarajan 5 . Koteeswaran Sivasamy 6 . Dr.C. Udhaya Shankar 7 . Saravanan D 8 . Dr.D.Stalin David 9 . Dr.T.Vinod Kumar
TITLE OF INVENTION	IOT ENABLED INTELLIGENT SOLAR CHARGE CONTROLLER FOR A SMART IRRIGATION SYSTEM
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/02/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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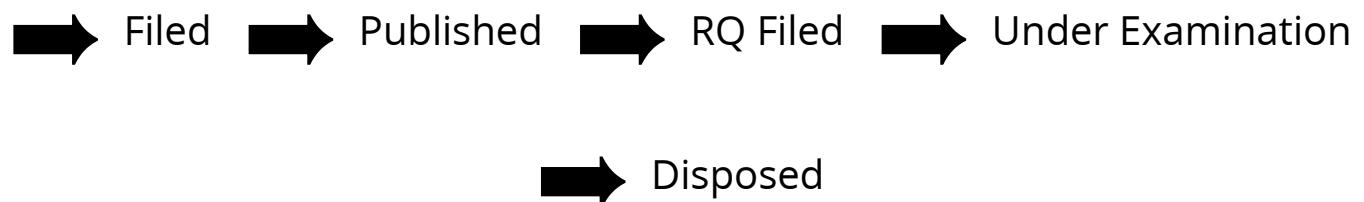
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202111004715
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.T.Vinoth Kumar 3 . Dr. Chitra Pasupathi 4 . Dr.K.Chokkanathan 5 . Dr.P.Subhashini 6 . P.Rathnavel 7 . Dr. K. Rajeshwar Rao 8 . P. Meenalochini 9 . Mr.Saravanan D
TITLE OF INVENTION	INTELLIGENT CONNECTIVITY DRIVING USING VEHICULAR AD HOC NETWORKS FOR FUTURE TRANSPORTATION
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/02/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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Application Details

APPLICATION NUMBER	202111005159
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr. Rajeev Gupta 3 . Vivek Bhatnagar 4 . Gulbir Singh 5 . Gautam Kumar 6 . Dr R Rajeswari 7 . SHINI RENJITH 8 . Saravanan D 9 . Dr.D.Stalin David 10 . M.Vijayaragavan
TITLE OF INVENTION	A SYSTEM AND METHOD FOR WILDLIFE SURVEILLANCE USING DEEP LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/02/2021

Application Status

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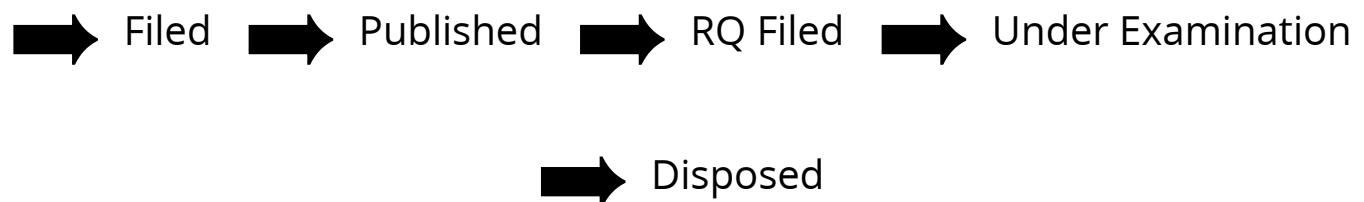
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202111006351
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr. SURIYA BEGUM 3 . Dr.G.Prakash 4 . Mrs.V.Akshaya 5 . Dr. K. Rajeshwar Rao 6 . Mr.K. Venkateshwar Rao 7 . Dr.G.Ravivarman 8 . Dr D Beulah David 9 . MS. S.Karthika
TITLE OF INVENTION	AUGMENTED REALITY-BASED LOW COST SMART HELMET FOR E-VEHICLE
FIELD OF INVENTION	TEXTILE
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/02/2021

Application Status

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Application Details

APPLICATION NUMBER	202111007211
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mr. C. S. Sundar Ganesh 3 . Dr.M.Jagadeesh kumar 4 . Mr.G.G.Muthukumar 5 . Dr. N. Yogambal Jayalakshmi 6 . Dr.R.Arul Jose 7 . Dr. K. Uthayarani 8 . Dr. M. Chitra 9 . Mrs. R. Vasantha Priya 10 . Mr.Jayabalan Sivasamy
TITLE OF INVENTION	INTELLIGENT FULLY AUTONOMOUS QUICK WATERLESS SOLAR PANEL CLEANING ROBOT
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/02/2021

Application Status

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Application Details

APPLICATION NUMBER	202111013094
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mr.A .Richard Pravin 3 . Allwyn Gnanadas. A 4 . M.Vijayaragavan 5 . Mrs M.Perarasi 6 . Dr. K. Rajeshwar Rao 7 . Dr.T.Vinoth Kumar 8 . Issakki Raja.P 9 . Muneeswaran.R 10 . UMA SELVAN.P
TITLE OF INVENTION	IOT BASED COST-EFFECTIVE SOLAR POWERED WATER COOLER SYSTEM
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	16/04/2021

Application Status

APPLICATION STATUS

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Application Details

APPLICATION NUMBER	202111008211
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.V. Elizabeth Jesi 3 . M.Vijayaragavan 4 . Dr. SHOIEB AHAMED 5 . Mr.Rajendirakumar 6 . Mr.P.Rajasekar 7 . Ms. K. REKHA 8 . Dr.A.Nirmal Kumar 9 . Dr. M. Rajalakshmi 10 . Dr.J.JOSPIN JEYA
TITLE OF INVENTION	WEARABLE DEVICES USING LOW POWER WIDE AREA NETWORK (LPWAN) FOR SELF HEALTH MONITORING
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	05/03/2021

Application Status

APPLICATION STATUS

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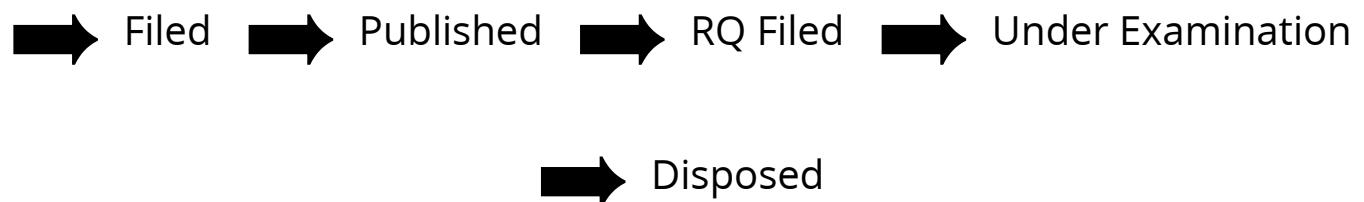
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202111009492
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mrs.Rekha Baghel 3 . Dr.T.Vinoth Kumar 4 . Dr. K. Rajeshwar Rao 5 . Dr.T.Vandarkuzhali 6 . Mr.Saravanan D 7 . Mr. Aruna kumar Joshi 8 . Mrs.B.S.Nalina 9 . Mrs.S.L.Sreedevi 10 . K.Saravanan
TITLE OF INVENTION	AI BASED E-VEHICLE BATTERY POWER MANAGEMENT SYSTEM
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/03/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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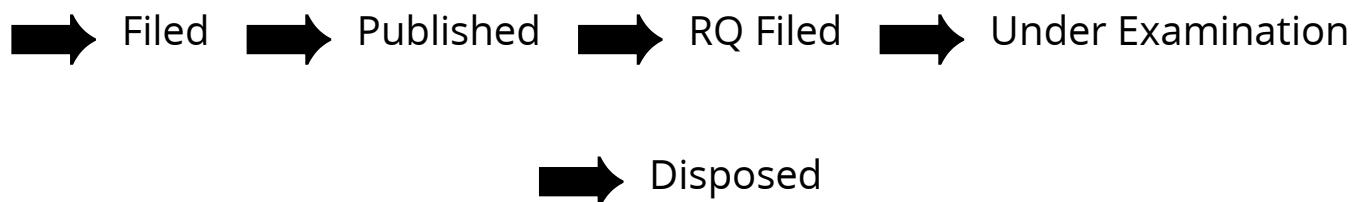
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202111009854
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr. C. Karthik 3 . M.Chilambarasan 4 . Mr. Sourabh Shastri 5 . Mr. Kuljeet Singh 6 . Mr. Sachin Kumar 7 . Prof. Vibhakar Mansotra 8 . Dr.A.Nirmal Kumar 9 . Dr.T.Vandarkuzhali 10 . Dr.G.Ravivarman
TITLE OF INVENTION	HYBRID DRONE FOR SMART LOGISTICS USING IOT
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/03/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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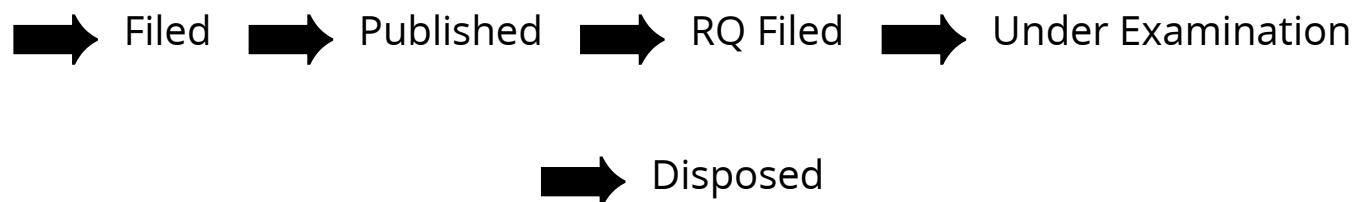
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202111012231
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.T.Vinoth Kumar 3 . M.Vijayaragavan 4 . Mr.T.Senthil Kumar 5 . Mr.B.Gopinath 6 . Dr. K. Rajeshwar Rao 7 . Mr.K. Venkateshwar Rao 8 . Dr.D.Stalin David 9 . Mr.B.Ashok 10 . Dr. Yogambal Jayalakshmi Natarajan
TITLE OF INVENTION	AI BASED HYBRID LEG WHEEL TRACK GROUND MOBILE ROBOT
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/03/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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Application Details

APPLICATION NUMBER	202111013094
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mr.A .Richard Pravin 3 . Allwyn Gnanadas. A 4 . M.Vijayaragavan 5 . Mrs M.Perarasi 6 . Dr. K. Rajeshwar Rao 7 . Dr.T.Vinoth Kumar 8 . Issakki Raja.P 9 . Muneeswaran.R 10 . UMA SELVAN.P
TITLE OF INVENTION	IOT BASED COST-EFFECTIVE SOLAR POWERED WATER COOLER SYSTEM
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	16/04/2021

Application Status

APPLICATION STATUS

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Application Details

APPLICATION NUMBER	202111015818
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/04/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mrs.Indhumathi G 3 . Dr. K. Rajeshwar Rao 4 . Dr. S. Vijayalakshmi 5 . Mr.S.Vivekanandan 6 . Prof. Dharamvir 7 . Mr. R G Padmanabhan 8 . DR.L.Arokia jesu prabhu 9 . Mrs. Bhawna Singh 10 . Dr. Neeraj Sharma
TITLE OF INVENTION	"AN ACCIDENT PREDICTION SYSTEM FOR ELECTRIC VEHICLE USING AI"
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	23/04/2021

Application Status

APPLICATION STATUS

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Search Results

Your search for **2021104261** returned **1** result.

null quickSearch

Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	First IPC mark
1 2021104261	A METHOD AND SYSTEM FOR ESTIMATING TWO-COLORABILITY FOR CONFLICT-FREE COLORING	Agrawal, Mayank; Prakash, V. Prem; Sengar, Ayushi; Singh, Rishabh	Singhal, Rishabh; Sengar, Ayushi; Prakash, V. Prem; Agrawal, Mayank	2021-07-16	GRANTED	G06T11/00

This data is current as of **2022-05-22 18:00 AEST**.

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Application Details

2021104261

: A METHOD AND SYSTEM FOR ESTIMATING TWO-COLORABILITY FOR CONFLICT-FREE COLORING

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021104261	Patent application type	Innovation		
Application status	GRANTED	Paid to date	2023-07-16	First IPC Mark	G06T 11/00 (2021.01)
Currently under opposition	No	Proceeding type(s)			
Invention title	A METHOD AND SYSTEM FOR ESTIMATING TWO-COLORABILITY FOR CONFLICT-FREE COLORING				
Inventor(s)	Singhal, Rishabh ; Sengar, Ayushi ; Prakash, V. Prem ; Agrawal, Mayank				
Agent name	Singhal, Rishabh	Address for legal service	VIC 3046 Australia	show full address	
Filing date	2021-07-16	Australian OPI date	2022-04-07	OPI published in journal	
Effective date of patent	2021-07-16	Expiry date	2029-07-16		
Additional/Divisional application number	Additional/Divisional relationship				

Applicant details

Applicant	Agrawal, Mayank	Applicant address	Agra India
Applicant	Prakash, V. Prem	Applicant address	Agra India
Applicant	Singhal, Rishabh	Applicant address	Uttar Pradesh 203131 India
Applicant	Sengar, Ayushi	Applicant address	Agra 282005 India
Old name(s)			

IPC details

Int Cl.	Version	First Mark
G06T	11/00 (2021.01)	Y

Priority details

Earliest priority date	2021-07-16	Type	Number	Filing date	Priority date

SPECIFICATION/E-REGISTER

[History of Published Specifications:](#)[Download Specification\(AU-A4\)](#)[Explanation of Specification Codes](#)[View an Extract of the Register for this patent.](#)**DOSSIER**

Document Date	Document Title	Document Type	Document Status	File Size (KB)
2022-03-23	Innovation Patent Certificate 23-03-2022	CORRO OUT	FILED	1814
2022-03-23	Innovation Patent Notice of Grant 23-03-2022	CORRO OUT	FILED	267
2022-03-18	Claim Acc-OPI 2021104261	CLAIM	ACCEPTED	56
2022-03-18	Combined Abstract Acc-OPI 2021104261	ABSTRACT	ACCEPTED	211
2022-03-18	Description Acc-OPI 2021104261	DESCRIPTION	ACCEPTED	563
2022-03-18	Drawing Acc-OPI 2021104261	DRAWING	ACCEPTED	332
2021-08-04	Drawing 16-07-2021 SPBI-0002593143	DRAWING	FILED	332
2021-08-04	Innovation Patent Application Filing Receipt 04-08-2021	CORRO OUT	FILED	294
2021-07-16	Abstract 16-07-2021 SPBI-0002593143	ABSTRACT	FILED	17
2021-07-16	Claim 16-07-2021 SPBI-0002593143	CLAIM	FILED	56
2021-07-16	Cover Sheet App Inov 16-07-2021 SPBI-0002593143	OTHER	FILED	6
2021-07-16	Description 16-07-2021 SPBI-0002593143	DESCRIPTION	FILED	563
2021-07-16	Note Entlmnt 16-07-2021 SPBI-0002593143	NOTE ENTLMNT	FILED	4
2021-07-16	Patent Request 16-07-2021 SPBI-0002593143	PATENT REQUEST	FILED	5
2021-07-16	SPEI-0004905916 - Main Document	CORRO IN	FILED	40

LIFE CYCLE DETAILS**Acceptance details****Acceptance date** 2022-03-18**Granting details**

Deferment of granting	No	Granting date	2022-03-23	Granted published date	2022-04-07
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Fee/Publication History**Continuation/Renewal fee history**

Date paid	Paid to date	2023-07-16	Next fee due	2	Fee Table
Last agency address					

Publication history

Vol/Iss	Publication date	Publication action	Reason	Document kind
36/14	2022-04-07	Innovation Patents OPI		AU-A4
36/14	2022-04-07	Patent Granted - Innovation Patents		
35/33	2021-08-19	Innovation Application Filed		

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Patent Details for Verification_NIRF2023

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Discipline Name applied for NIRF2023 Ranking: IR_ENGINEERING

Provide below the Year-wise Count of Submitted Patent Data by the Institute (2019 to 2021) for NIRF2023 as applied in Discipline-specific:

Published_2019	Published_2020	Published_2021	Granted_2019	Granted_2020	Granted_2021	Total Published (2019-2021)	Total Granted (2019- 2021)	Institute ID: U-0507
0	10	15	2	3	7	25	12	

Patent Details with proofs (Attach screenshots, pdf, image file, etc.):

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)	Here, attach Source Proof Screenshots/URL/ Website Links, etc.
1	2073/DEL/2012	Granted	Devendra K Chaturvedi, Vishal Pengoria	CONTINUOUS GAS FIRED ANNEALING FURNACE"	Dayalbagh Educational Institute	04-07-2012	06-03-2019	308621	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
2	528/DEL/2011	Granted	Soami Daya Krishnananda, Ritika Verma, Tulika Giri	"MAGNETICALLY TUNABLE PLANAR MICROWAVE DEVICE ON NON-MAGNETIC DIELECTRIC SUBSTRATE AND A METHOD OF MAGNETIC TUNING THEREOF"	Dayalbagh Educational Institute	25-02-2011	29-03-2019	310364	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
3	331907-001	Granted	Bhanu Pratap Saini, Gurdeep Singh, Gurumukh Das	Ergonomic Three-Seater Wooden Sofa	Bhanu Pratap Saini, Gurdeep Singh, Gurumukh Das	13-08-2020	13-08-2020	331907-001	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
4	336629-001	Granted	Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	Compact Wooden Box	Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	21-12-2020	21-12-2020	336629-001	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
5	336632-001	Granted	Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	Ergonomic Jewellery Box	Bhanu Pratap Saini, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	21-12-2020	21-12-2020	336632-001	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
6	2021100592	Granted	K.Hansraj, Rajat Setia	Quantum seeded hybrid evolutionary computational process for constrained optimization	Dayalbagh Educational Institute	29-01-2021	15-04-2021	2021100592	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
7	345654-001	Granted	Ankit Kushwaha, Gurdeep Singh, Gurumukh Das, Amrit Lal	Automated Temple Bell (Set)	Ankit Kushwaha, Gurdeep Singh, Gurumukh Das, Amrit Lal	03-07-2021	03-07-2021	345654-001	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
8	201911034994	Granted	Neeraj Kumar Biswas, Anupam Srivastava, Sakshi Saxena, Anuradha Verma, Anamika Banerjee, Asha Kumari, Vibha Rani Satsangi, Rohit Srivastav, Sahab Dass	Partially crystalline nitrogen doped titanium dioxide for unbiased photoelectrochemical water splitting for hydrogen generation	DAYALBAGH EDUCATIONAL INSTITUTE	30-08-2019	29-07-2021	373104	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
9	347570-001	Granted	Jitesh Singh Chauhan, Gurdeep Singh, Bighna Kalyan Nayak, Gurumukh Das	Plastic Pen Holder	Jitesh Singh Chauhan, Gurdeep Singh, Bighna Kalyan Nayak, Gurumukh Das	08-08-2021	08-08-2021	347570-001	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
10	348594-001	Granted	Amrit Lal, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	Ergonomic Castanet	Amrit Lal, Gurdeep Singh, Arshdeep Kaur, Gurumukh Das	29-08-2021	29-08-2021	348594-001	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
11	2021105408	Granted	Vuppuluri, Prem Prakash; Chellapilla, Patvardhan	A METHOD AND SYSTEM FOR BUILDING MINIMUM SPANNING TREES WITH LEAF CONSTRAINT IN EUCLIDEAN SPACE	Vuppuluri, Prem Prakash; Chellapilla, Patvardhan	13-08-2021	25-11-2021	2021105408	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
12	2087/DEL/2007	Granted	Preeti Goyal, Shalini Srivastava, Manmohan Srivastava	"A PROCESS FOR THE DECONTAMINATION OF TOXIC HEAVY METAL'S POLLUTED WATER"	Dayalbagh Educational Institute	05-10-2007	29-11-2021	383003	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
13	364912-001	Granted	Jitesh Singh Chauhan, Gurdeep Singh, Divya Zindani, Gurumukh Das	Mud Picker Toy (Set) for Kids	Jitesh Singh Chauhan, Gurdeep Singh, Divya Zindani, Gurumukh Das	26-05-2022	05-08-2022	364912-001	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
14	363027-001	Granted	Jitesh Singh Chauhan, Gurdeep Singh, Divya Zindani, Gurumukh Das	Semi-precious Jewellery Organizer	Jitesh Singh Chauhan, Gurdeep Singh, Divya Zindani, Gurumukh Das	24-04-2022	07-10-2022	363027-001	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
15	371013-001	Granted	Jitesh Singh Chauhan, Gurdeep Singh, Divya Zindani, Gurumukh Das	Flagpole Section	Jitesh Singh Chauhan, Gurdeep Singh, Divya Zindani, Gurumukh Das			371013-001	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
16	337425-001	Published	Bhanu Pratap Saini, Gurdeep Singh, Gurumukh Das, Arshdeep Kaur	Ergonomic Kitchen Accessories Cabinet	Bhanu Pratap Saini, Gurdeep Singh, Gurumukh Das, Arshdeep Kaur	11-01-2021	11-01-2021	337425-001	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
17	202011014665	Published	Er. Ishant Singh, Dr Ankit Sahai, Dr Rahul Swarup Sharma	EXTRUDER OF CIVIL CONSTRUCTION 3D PRINTER FOR DEPOSITING CONCRETE	Er. Ishant Singh, Dr Ankit Sahai, Dr Rahul Swarup Sharma	02-04-2020	08-05-2020	202011014665	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
18	202011018294	Published	Saurabh Bhardwaj, Shivam Gautam, Guru Ratan Satsangee, Er. Ishant Singh, Dr Ankit Sahai, Dr Rahul Swarup Sharma	SYSTEM AND METHOD TO SIMULATE 3D PRINTER MACHINE	Saurabh Bhardwaj, Shivam Gautam, Guru Ratan Satsangee, Er. Ishant Singh, Dr Ankit Sahai, Dr Rahul Swarup Sharma	29-04-2020	19-06-2020	202011018294	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
19	202011019765	Published	Er. Shailendra Shakya, Shivam Gautam, Sumit Agarwal, Saurabh Bhardwaj, Prashant Pachauri, Er. Pushpendra Yadav, Er. Ishant Singh, Dr Ankit Sahai, Dr Rahul Swarup Sharma	FOLDABLE FREEFORM FABRICATOR	Er. Shailendra Shakya, Shivam Gautam, Sumit Agarwal, Saurabh Bhardwaj, Prashant Pachauri, Er. Pushpendra Yadav, Er. Ishant Singh, Dr Ankit Sahai, Dr Rahul Swarup Sharma	11-05-2020	19-06-2020	202011019765	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
20	202011020521	Published	Er. Pushpendra Yadav, Saurabh Bhardwaj, Shivam Gautam, Dr Ankit Sahai, Dr Rahul Swarup Sharma	FUSED MATERIAL DEPOSITION SYSTEM FOR PRODUCING RAPID PATTERNS	Er. Pushpendra Yadav, Saurabh Bhardwaj, Shivam Gautam, Dr Ankit Sahai, Dr Rahul Swarup Sharma	15-05-2020	26-06-2020	202011020521	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)	Here, attach Source Proof Screenshots/URL/Website Links, etc.
21	201911002264	Published	D.Bhagwan Das, Ajay Kumar Saxena, G.S. Sailesh Babu, Gaurav Pratap Rana	MULTIPLE LAND-USE SUN TRACKING STRUCTURE FOR ACCOMMODATING SOLAR PANELS	DAYALBAGH EDUCATIONAL INSTITUTE	18-01-2019	28-08-2020	201911002264	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
22	201911007481	Published	D.Bhagwan Das, Ajay Kumar Saxena, Varun Maheshwari	FIELD PROGRAMMABLE GATE ARRAY BASED PROCESSING ENGINE FOR ELECTRIC POWER TRANSMISSION LINES	DAYALBAGH EDUCATIONAL INSTITUTE	26-02-2019	04-09-2020	201911007481	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
23	202011038309	Published	1 . GURU RATAN SATSANGEE, 2 . SAURABH BHARDWAJ, 3 . Er. ISHANT SINGHAL, 4 . Dr. ANKIT SAHAI, 5 . Dr. RAHUL SWARUP SHARMA	METHOD AND SYSTEM FOR MAKING SILICONE WASHERS AND GASKETS	1 . GURU RATAN SATSANGEE, 2 . SAURABH BHARDWAJ, 3 . Er. ISHANT SINGHAL, 4 . Dr. ANKIT SAHAI, 5 . Dr. RAHUL SWARUP SHARMA	04-09-2020	09-10-2020	41/2020	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
25	202031041107	Published	1 . SANDIPAN MALLIK, 2 . RAHUL ROY, 3 . GUFRAN AHMAD, 4 . AHMAD RAJA 5 . SYED HABIBUR RAHEMAN 6 . AJIT DASH 7 . PRAKASH PANIGRAHI 8 . PRASHANT KUMAR SINGH 9 . SHRABANI GUHATHAKURATA 10 . NABIN BARAN MANIK 11 . PALASH DAS 12 . SATYA SOPAN MAHATO	AN AUTOMATED PROBING SYSTEM FOR MEASURING ELECTRICAL CHARACTERISTICS OF ON-WAFER DEVICES AND A METHOD THEREOF	GUFRAN AHMAD	18-01-2019	16-10-2020	202031041107	Gufran Ahmad, DEI	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
26	202011048692	Published	Anami Saggar, Guru Ratan Satsangee, Dr Ankit Sahai, Dr Rahul Swarup Sharma	PORTABLE PRECISION SILENT COOLING SYSTEM FOR STORAGE OF VACCINE VIALS	Anami Saggar, Guru Ratan Satsangee, Dr Ankit Sahai, Dr Rahul Swarup Sharma	07-11-2020	20-11-2020	202011048692	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
27	202111004303	Published	1 . Dr.Kedri Janardhana 2 . Jayabalan Sivasamy 3 . Dr.Neelakandeswari Nataraajan 4 . Dr.Yogambal Jayalakshmi Nataraajan 5 . Koteeswaran Sivasamy 6 . Dr.C. Udhaya Shankar 7 . Saravanan D 8 . Dr.D.Stalin David 9 . Dr.T.Vinoth Kumar	IOT ENABLED INTELLIGENT SOLAR CHARGE CONTROLLER FOR A SMART IRRIGATION SYSTEM	Dr.Kedri Janardhana	01-02-2021	12-02-2021	07/2021	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
28	202111004715	Published	1)Dr.Kedri Janardhana 2)Dr.T.Vinoth Kumar 3)Dr. Chitra Pasupathi 4)Dr.K.Chokkanathan 5)Dr.P.Subhashini 6)P.Rathnavel 7)Dr. K. Rajeshwar Rao 8)P. Meenalochini 9)Mr.Saravanan D	INTELLIGENT CONNECTIVITY DRIVING USING VEHICULAR AD HOC NETWORKS FOR FUTURE TRANSPORTATION	Dr.Kedri Janardhana	03-02-2021	12-02-2021	07/2021	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
29	202111005159	Published	1)Dr.Kedri Janardhana 2)Dr. Rajeev Gupta 3)Vivek Bhatnagar 4)Gulbir Singh 5)Gautam Kumar 6)Dr R Rajeswari 7)SHINI RENJITH 8)Saravanan D 9)Dr.D.Stalin David 10)M.Vijayaraghavan	A SYSTEM AND METHOD FOR WILDLIFE SURVEILLANCE USING DEEP LEARNING	Dr.Kedri Janardhana	06-02-2021	12-02-2021	07/2021	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
30	202111006351	Published	1)Dr.Kedri Janardhana 2)Dr. SURIYA BEGUM 3)Dr.G.Prakash 4)Mrs.V.Akshaya 5)Dr. K. Rajeshwar Rao 6)Mr.K. Venkateshwar Rao 7)Dr.G.Ravivarman 8)Dr D Beulah David 9)MS. S.Karthika	AUGMENTED REALITY-BASED LOW COST SMART HELMET FOR E-VEHICLE	Dr.Kedri Janardhana	15-02-2021	19-02-2021	08/2021	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
31	202111007211	Published	1)Dr.Kedri Janardhana 2)Mr. C. S. Sundar Ganesh 3)Dr.M.Jagadeesh kumar 4)Mr.G.G.Muthukumar 5)Dr. N. Yogambal Jayalakshmi 6)Dr.R.Arul Jose 7)Dr. K. Uthayaran 8)Dr. M. Chitra 9)Mrs. R. Vasanthapravia 10)Mr.Jayabalan Sivasamy	INTELLIGENT FULLY AUTONOMOUS QUICK WATERLESS SOLAR PANEL CLEANING	Dr.Kedri Janardhana	20-02-2021	26-02-2021	09/2021	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
32	202111008211	Published	1)Dr.Kedri Janardhana 2)Dr.V. Elizabeth Jesi 3)M.Vijayaraghavan 4)Dr. SHOIEB AHAMED 5)Mr.Rajendrikumar 6)Mr.P.Rajasekar 7)Ms. K. REKHA 8)Dr.A.Nirmal Kumar 9)Dr. M. Rajalakshmi 10)Dr.J.JOSPIN JEYA	WEARABLE DEVICES USING LOW POWER WIDE AREA NETWORK (LPWAN) FOR SELF HEALTH MONITORING	Dr.Kedri Janardhana	26-02-2021	05-03-2021	10/2021	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
33	202111009854	Published	1)Dr.Kedri Janardhana 2)Dr. C. Karthik 3)M.Chilambarasan 4)Mr. Sourabh Shastri 5)Mr. Kuljeet Singh 6)Mr. Sachin Kumar 7)Prof. Vibhakar Mansrotra 8)Dr.A.Nirmal Kumar 9)Dr.T.Vandarkuzhal 10)Dr.G.Ravivarman	HYBRID DRONE FOR SMART LOGISTICS USING IOT	Dr.Kedri Janardhana	09-03-2021	12-03-2021	11/2021	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
34	202111012231	Published	1)Dr.Kedri Janardhana 2)Dr.T.Vinoth Kumar 3)M.Vijayaraghavan 4)Mr.T.Senthil Kumar 5)Mr.B.Gopinath 6)Dr. K. Rajeshwar Rao 7)Mr.K. Venkateshwar Rao 8)Dr.D.Stalin David 9)Mr.B.Ashok 10)Dr. Yogambal Jayalakshmi Natarajan	AI BASED HYBRID LEG WHEEL TRACK GROUND MOBILE ROBOT	Dr.Kedri Janardhana	22-03-2021	26-03-2021	13/2021	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
35	202111013094	Published	1)Dr.Kedri Janardhana 2)Mr.A .Richard Pravin 3)Allwyn Gnanadas. A 4)M.Vijayaraghavan 5)Mrs.M.Perarasi 6)Dr. K. Rajeshwar Rao 7)Dr.T.Vinoth Kumar 8)Issaki Raja.P 9)Muneeswaran.R 10)UMA SELVAN.P	IOT BASED COST-EFFECTIVE SOLAR POWERED WATER COOLER SYSTEM	Dr.Kedri Janardhana	25-03-2021	16-04-2021	16/2021	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
36	202111015818	Published	1)Dr.Kedri Janardhana 2)Mrs.Indhumathi G 3)Dr. K. Rajeshwar Rao 4)Dr. S. Vijayalakshmi 5)Mr.S.Vivekanandan 6)Prof. Dharamvir 7)Mr. R G Padmanabhan 8)DR.L.Arokia jesu prabhu 9)Mrs. Bhawna Singh 10)Dr. Neeraj Sharma	AN ACCIDENT PREDICTION SYSTEM FOR ELECTRIC VEHICLE USING AI	Dr.Kedri Janardhana	03-04-2021	23-04-2021	17/2021	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405

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37	202111009492	Published	1)Dr.Kedri Janardhana 2)Mrs.Rekha Baghel 3)Dr.T.Vinoth Kumar 4)Dr. K. Rajeshwar Rao 5)Dr.T.Vandarkuzhalai 6)Mr.Saravanan D 7)Mr. Aruna kumar Joshi 8)Mrs.B.S.Nalina 9)Mrs.S.L.Sreedevi 10)K.Saravanan	AI BASED E-VEHICLE BATTERY POWER MANAGEMENT SYSTEM	Dr.Kedri Janardhana	27-04-2021 30-04-2021	18/2021		Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
38	2021104261	Published	Agrawal, M; Prakash, V. Prem; Sengar, Ayushi; Singhal, Rishabh	A METHOD AND SYSTEM FOR ESTIMATING TWO-COLORABILITY FOR CONFLICT-FREE COLORING	Agrawal, M; Prakash, V. Prem; Sengar, Ayushi; Singhal, Rishabh	16-07-2021	16-07-2021	2021104261	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
39	201911037637	Published	Atul Suri, Kandikonda Hansraj, Rajat Setia	"PORTABLE FIXTURES FOR HOLDING FLAT METAL PLATES IN A TOOL POST OF A CONVENTIONAL LATHE MACHINE FOR WELDING"	DAYALBAGH EDUCATIONAL INSTITUTE	18-09-2019	03-09-2021	201911037637	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
40	202111033265	Published	Mridul Kumar, Soami Daya Krishnananda, Zeeshan	PPARATUS AND METHOD FOR DETERMINING PLANT STRESS	Dayalbagh Educational Institute	23-07-2021	03-09-2021	202111033265	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
41	202111036844	Published	Zeeshan, Soami Daya Krishnananda, Mridul Kumar, Urvashi	APPARATUS AND METHOD FOR DETECTING COUNTERFEIT DRUGS	Dayalbagh Educational Institute	13-08-2021	03-09-2021	202111036844	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
42	202211022914	Published	Abhishek Raj, Pushpendra Yadav, Ankit Sahai, Rahul Swarup Sharma	Method and System for In-Situ fabrication of carbon nanotubes blended thermoplastic parts	Abhishek Raj, Pushpendra Yadav, Ankit Sahai, Rahul Swarup Sharma	19-04-2022	29-04-2022	17/2022	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
43	202011056022	Published	1 . DAYALBAGH EDUCATIONAL INSTITUTE (DEEMED TO BE UNIVERSITY) 2 . RAJIV RANJAN 3 . DIPINTE GUPTA 4 . NRISINGHA DEY	A NOVEL SYNTHETIC PROMOTER AND ITS APPLICATION	1 . DAYALBAGH EDUCATIONAL INSTITUTE (DEEMED TO BE UNIVERSITY) 2 . RAJIV RANJAN 3 . DIPINTE GUPTA 4 . NRISINGHA DEY	23-12-2020	24-06-2022	202011056022	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405
44	202211066319	Published	Bobby Tyagi, Guru Ratan Satsangee, Dheeraj A, Ankit Sahai, Rahul Swarup Sharma	SYSTEM AND METHOD FOR FABRICATING CUSTOMIZED, FLEXIBLE PROSTHETIC APPENDAGE ATTACHMENT (PAA)	Bobby Tyagi, Guru Ratan Satsangee, Dheeraj A, Ankit Sahai, Rahul Swarup Sharma	18-11-2022	02-12-2022	48/2022	Dayalbagh Educational Institute	https://www.dei.ac.in/dei/index.php?option=com_content&view=article&id=835&Itemid=405



Patent Search

Invention Title	METHOD AND SYSTEM FOR OBSTACLE AVOIDANCE AND MOVEMENT OF VIRTUAL INSTRUMENTATION (VI) CONTROLLED ROBOT
Publication Number	36/2021
Publication Date	03/09/2021
Publication Type	INA
Application Number	202111037980
Application Filing Date	22/08/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRONICS
Classification (IPC)	G05D0001020000, B25J0009160000, G01C0021200000, G05B0019416000, A61B0090000000

Inventor

Name	Address	Country	Nation
Dr. Amit Yadav	179, Baroli Ahir Shamshabad Road, Agra India	India	India
Ajeet Gaur	1005, Maruti Forest Panna Palace, Agra India	India	India
Prof D. K. Chaturvredi	7,Dayalnagar,Dayalbagh Agra, 282005 India	India	India
Dr. Mayank P Singh	45-S, H R Estate Mauza Kalwari, Agra, U. P. INDIA	India	India
S. M. Jain	ADRDE Agra Cantt- 282001 India	India	India
Prof. Trapti Jain	402, Padamprabhu Apartment Silicon City, Indore-452012 India	India	India

Applicant

Name	Address	Country	Nation
Dr. Amit Yadav	179, Baroli Ahir Shamshabad Road, Agra India	India	India
Ajeet Gaur	1005, Maruti Forest Panna Palace, Agra India	India	India
Prof D. K. Chaturvredi	7,Dayalnagar,Dayalbagh Agra, 282005 India	India	India
Dr. Mayank P Singh	45-S, H R Estate Mauza Kalwari, Agra, U. P. INDIA	India	India
S. M. Jain	ADRDE Agra Cantt- 282001 India	India	India
Prof. Trapti Jain	402, Padamprabhu Apartment Silicon City, Indore-452012 India	India	India

Abstract:

A method for determining a way point feed for a robot is disclosed. The method includes determining a target location for the robot. A reference direction is determined for the robot to reach the target location. One or more obstacles present in a path of the robot are determined and evaluated to reach the target location in the reference direction. Upon positive determination of the one or more obstacles to reach the target location, explicit free space in the path using an A* algorithm is computed to determine a free path for movement of the robot to reach the target location of the way point feed. Further, upon negative determination of the one or more obstacles to reach the target location, the robot is instructed to move at a constant speed to reach the target location of the way point feed.

Complete Specification

The present invention relates to a method and system for design and development and obstacle free movement of virtual instrumentation (VI) controlled intelligent robot for real time applications.

BACKGROUND

[0002] Typically, principled data-driven, adaptive, and incremental learning is a desirable property in domains in which datasets are dynamic and accumulate slowly over time. For example, robots have to build models of their dynamics and the environment as they interact with the world. Moreover, these models have to be computationally efficient during both the learning and evaluation process. In the case of general-purpose robots, these models have also been able to incorporate different modalities of continuous and discrete stochastic random variables and possibly incorporate heteroscedastic noise. Predominant and successful regression techniques, such as Gaussian Process Regression (GPR), Artificial Neural Networks (ANN), and Local Regression (LR), have a mixed set of properties that are useful in different scenarios but suffer from various shortcomings.

[0003] There is therefore a need to provide an improved mechanism that overcomes

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Patent Search

Invention Title	MULTI-DISC EDDY CURRENT BRAKING SYSTEM (ECBS) WITH INTELLIGENT CONTROLLERS
Publication Number	40/2021
Publication Date	01/10/2021
Publication Type	INA
Application Number	202111042350
Application Filing Date	18/09/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRICAL
Classification (IPC)	G06F 30/33

Inventor

Name	Address	Country	Nation
Dr. Arunesh Kumar Singh	Department of Electrical Engineering, Jamia Millia Islamia, New Delhi	India	India
Prof. Ibraheem	Department of Electrical Engineering, Jamia Millia Islamia, New Delhi	India	India
Prof. D. K. Chaturvedi	Dayalbagh Educational Institute (DEI), Dayalbagh, Agra	India	India
Prof. Shahida Khatoon	Department of Electrical Engineering, Jamia Millia Islamia, New Delhi	India	India
Dr. Amit Kumar Sharma	Department of Electrical Engineering, GCET, Gr. Noida	India	India

Applicant

Name	Address	Country	Nation
Dr. Arunesh Kumar Singh	Department of Electrical Engineering, Jamia Millia Islamia, New Delhi	India	India
Prof. Ibraheem	Department of Electrical Engineering, Jamia Millia Islamia, New Delhi	India	India
Prof. D. K. Chaturvedi	Dayalbagh Educational Institute (DEI), Dayalbagh, Agra	India	India
Prof. Shahida Khatoon	Department of Electrical Engineering, Jamia Millia Islamia, New Delhi	India	India
Dr. Amit Kumar Sharma	Department of Electrical Engineering, GCET, Gr. Noida	India	India

Abstract:

This invention is related to the field of Electrical engineering and particularly to the Design and development of multi-disc eddy current braking system. This invention that a Multi disc ECBS is more effective for braking as compared to single disc ECBS. The construction of a hardware model of an ECBS with intelligent controllers is the innovation. The developed scheme is in coordination with hardware model construction, analysis, and management of a multi-disc ECBS employing several intelligent controllers in great depth. Initially, FLC was created to determine the practical value of the necessary electromagnet current, resulting in increased braking performance. Furthermore, the ANN Controller has been created for existing equipment systems, and it gives better, more dependable and efficient outcomes for the sampling process as compared to the FLC and hardware reference model.

Complete Specification

The present invention is related to the field of Electrical engineering and particularly to the Design and development of multi-disc eddy current braking system. Background of the invention

The eddy current braking system (ECBS) can be used in the various industries specifically where the control of moving part is required. Some of the applications are mentioned here i.e. aircraft arrester barrier system, braking of heavy electrical machines, high speed trains, large transportation vehicles, automobiles, vibration dampener, exercise bicycle, air bearing system etc.

Considerable scientific work during last several decades has confirmed the superiority of ECBS over the conventional braking system. Various prototypes of ECBS have been developed which include both permanent magnet (PM) type and electromagnet (EM) type. The electronically controlled unit and power source are not

needed in a PM type ECBS, but the main magnetic field is produced by an AC or DC power supply in an EM type. ECBS with several discs are more flexible and efficient than single disc ECBS.

Objective of the invention

A primary object of this invention is to provide an intelligent controller-based ECBS. An ECBS offers many advantages over the conventional braking system such as low response time, no maintenance, no problem of spilling or leakage of brake fluid, no need of replacement of brake shoes and environment friendly.

Another object of the invention is to disclose the construction of a hardware model of an ECBS with intelligent controllers. The developed scheme is in coordination with hardware model construction, analysis and management of a multi-disc ECBS employing several intelligent controllers in great depth.

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Patent Search

Invention Title	AN ELECTRIC VEHICLE USING ANN REGULATOR FOR REGENERATIVE BRAKING
Publication Number	42/2021
Publication Date	15/10/2021
Publication Type	INA
Application Number	202111044502
Application Filing Date	30/09/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRICAL
Classification (IPC)	B60L 15/20

Inventor

Name	Address	Country	N
Dr. Amit Yadav	FETRBS, Bichpuri, Agra, Uttar Pradesh283105, India	India	In
Dr. Sanjay Kumar Maurya	GLA University, Mathura, Uttar Pradesh- 281406, India	India	In
Mr. Ramnaresh Mishra	GLA University, Mathura, Uttar Pradesh 281406, India	India	In
Dr. Mayank Pratap Singh	GLA University, Mathura, Uttar Pradesh 281406, India	India	In
Ms. Aastha Mishra	Dayalbagh Educational Institute (DEI), Dayalbagh, Agra, Uttar Pradesh- 282005, India	India	In
Prof. P K Singhal	GLA University, Mathura, Uttar Pradesh- 281406, India	India	In
Mr. Anshuman Singh	Noida Institute of Engineering and Technology, Greater Noida, Uttar Pradesh201306, India	India	In
Prof. Neelam Srivastava	IET, Lucknow, Uttar Pradesh- 226021, India	India	In

Applicant

Name	Address	Country	N
Dr. Amit Yadav	FETRBS, Bichpuri, Agra, Uttar Pradesh283105, India	India	In
Dr. Sanjay Kumar Maurya	GLA University, Mathura, Uttar Pradesh- 281406, India	India	In
Mr. Ramnaresh Mishra	GLA University, Mathura, Uttar Pradesh281406, India	India	In
Dr. Mayank Pratap Singh	GLA University, Mathura, Uttar Pradesh281406, India	India	In
Ms. Aastha Mishra	Dayalbagh Educational Institute (DEI), Dayalbagh, Agra, Uttar Pradesh- 282005, India	India	In
Prof. P K Singhal	MITS Gwalior, Madhya Pradesh- 474005, India	India	In
Mr. Anshuman Singh	Noida Institute of Engineering and Technology, Greater Noida, Uttar Pradesh201306, India	India	In
Prof. Neelam Srivastava	IET, Lucknow, Uttar Pradesh- 226021, India	India	In

Abstract:

The present disclosure relates to a method for enhancing efficiency of an electric vehicle integrated with the RBS through ANN regulator, and a vehicle thereof. The method involves estimating SOC battery and speed of the vehicle. If a brake pedal is engaged, then a braking force is calculated else the method involves estimating the SOC and speed again. The braking force applied is calculated for both front and rear wheels. Thereafter, the regenerative braking energy is calculated using ANN regulator further involves adapting the regenerative braking energy to brake current. If maximum SOC is achieved, PID controller may be set for regenerative braking with MOF option may be locating the controller for regenerative battery with battery. Finally, the method involves executing and regulating the duty cycles for achieving stable regenerative braking.

Complete Specification

The present disclosure generally relates to electric vehicles. More specifically, the present disclosure relates to an electric vehicle using ANN controller for regenerative braking system. BACKGROUND

Regenerative Braking System (RBS) is an energy recovery mechanism to save kinetic energy which would have been otherwise wasted in the form of heat due to friction while braking. This energy is stored in a capacitor bank or a flywheel setup temporarily. To get better performance of electric vehicle good circuitry, control program equipment, suitable interfacing hardware and software can be used. These days, almost all the vehicles including electric vehicles (EV) are integrated with RBS system. Power lost as high temperature can be up to 30% of the total power and even if some part of this power is saved then it can be utilized to run vehicle extra mileage. This energy can be utilized while going on up gradient. But when sudden brakes are applied for a dynamic obstacle e.g. human, animal come across the path then it takes hard braking where it stops before 5-6 inches before the obstacle. Hence, in such a case the heat energy goes into the motor where it changes into mechanical energy then it goes into the battery. The conventional EVs integrated with RBS system are not up to the mark. They have a drawback of battery charging problem of time period. Also, there are challenges associated with the battery back up.

Therefore, there exists a need for improving efficiency of the EVs integrated with RBS.

SUMMARY

In an aspect, the present invention discloses a method for enhancing efficiency of an electric vehicle integrated with the RBS through ANN regulator, and a vehicle. The method involves estimating SOC of battery and speed of the vehicle. If a brake pedal is engaged, then a braking force is calculated else the method involves estimating the SOC of battery and the speed again. The braking force applied is calculated for both front and rear wheels. Thereafter, the regenerative braking energy is calculated.

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Invention Title	MEDICAL MECHANICAL MOBILE CHARGER
Publication Number	51/2021
Publication Date	17/12/2021
Publication Type	INA
Application Number	202111057751
Application Filing Date	12/12/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRICAL
Classification (IPC)	H02J0007000000, H04L0012580000, H02J0007340000, H02J0007020000, H02J0007320000

Inventor

Name	Address	Country	Nationality
Kirti Yadav	37B/268 Nagla Haweli Dayalbagh Agra	India	India
Mahima Yadav	35 A Basera Enclave Dayalbagh Agra	India	India
Anshul Agarwal	15 Deep Enclave Dayalbagh Agra	India	India

Applicant

Name	Address	Country	Nationality
Mahima Yadav	35 A Basera Enclave Dayalbagh Agra	India	India

Abstract:

An efficient and health boosting system to charge all your electronic gadgets with multi benefits anywhere and anytime. At present cell phone is pivot of our life which update about all the things in the world and help to easily communicate with others. So, in the present era a sustained mobile charging system is essential requirement while travelling in a bus or staying in remote area, phone gets discharged and there is no way of charging. During such critical situation, this invention "Medical Mech Charge" provides the best method for charging phone without electricity using mechanical energy.

Complete Specification

The present invention relates generally to Engineering- medical system and more specifically it belongs to energy transmission system for charging electronic appliances under all circumstances regardless location and time.

2. Description of the Related Art

Mobile chargers have been in use from many years, to maintain maximum performance efficient components should be used, maintained and power supply is required to charge phone.

We Claim:

- A PCB which contains capacitor and IC regulator; wherein said at least one motor attachment from the circuit.

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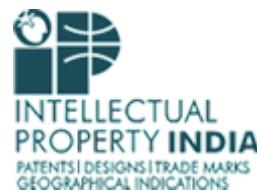
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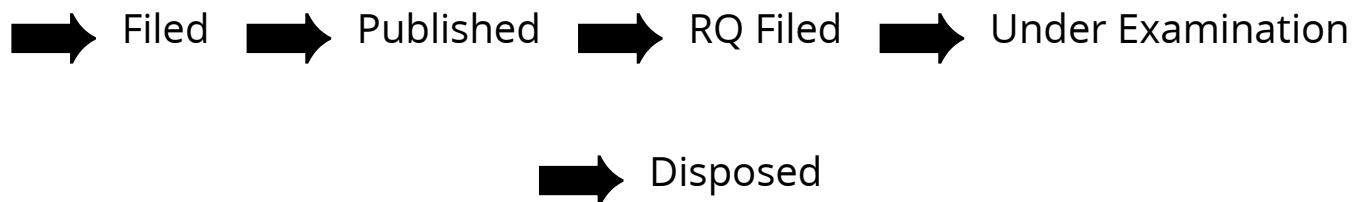
Application Details

APPLICATION NUMBER	201811008971
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/03/2018
APPLICANT NAME	BRAHMA SWARUP GUPTA
TITLE OF INVENTION	A NOVEL COST EFFECTIVE CIRCUIT CONIGURATION FOR AUTOMATIC WATER PUMPING SYSTEMS
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	guptabs@gmail.com
E-MAIL (UPDATED Online)	patent.tradmark@gmail.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	26/06/2018
PUBLICATION DATE (U/S 11A)	30/03/2018
REPLY TO FER DATE	30/07/2020

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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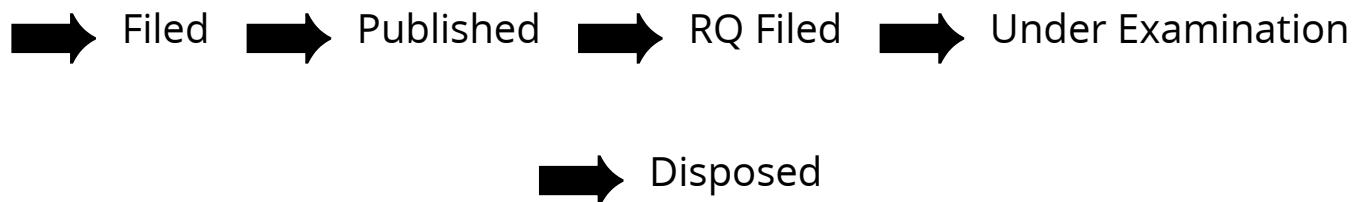
APPLICATION NUMBER	201911037637
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/09/2019
APPLICANT NAME	DAYALBAGH EDUCATIONAL INSTITUTE
TITLE OF INVENTION	"PORTABLE FIXTURES FOR HOLDING FLAT METAL PLATES IN A TOOL POST OF A CONVENTIONAL LATHE MACHINE FOR WELDING"
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	services@ciplegit.com
ADDITIONAL-EMAIL (As Per Record)	services@ciplegit.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	13/01/2022
PUBLICATION DATE (U/S 11A)	03/09/2021

Application Status

APPLICATION STATUS

Application Awaiting Examination

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Patent Search

Invention Title	"AI-based hybrid leg wheel track the ground mobile robot"
Publication Number	18/2021
Publication Date	30/04/2021
Publication Type	INA
Application Number	202111019302
Application Filing Date	27/04/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06Q0010040000, G06Q0030020000, G06Q0050260000, G06F0030200000, G06Q0050140000

Inventor

Name	Address	Country
Dr.Kedri Janardhana	Assistant Professor (Senior Grade), Department of Electrical Engineering, Faculty of Engineering, Dayalbagh Educational Institute (Deemed to be University), Dayalbagh, Agra, Uttar Pradesh, 282005, India	India
Mr. A. Richard Pravin	Assistant Professor Department of Electrical and Electronics Engineering St. Anne's College of Engineering and Technology, Anguchettypalayam, Panruti. 607106	India
Mr. K. Rajkumar	Assistant Professor Department of Electrical and Electronics Engineering , Sri Sairam Engineering College, Sai Leo Nagar,West Tambaram, Chennai 600044	India
Mr. V. C. Eugin Martin Raj	Assistant Professor Department of Electrical and Electronics Engineering St. Anne's College of Engineering and Technology, Anguchettypalayam, Panruti. 607106	India
Mr. Dinesh .C	Assistant Professor Department of Electrical and Electronics Engineering , KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, AVINASHI ROAD, ARASUR, COIMBATORE – 641 407	India
Mrs.M.Razmah	Assistant Professor Department of Electrical and Electronics Engineering , Sri Sai Ram Institute of Technology Sai Leo Nagar,west Tambaram,Chennai	India
Mr. Yogendra Kumar	Assistant Professor, Department of Physics, VSP GOVERNMENT PG COLLEGE KAIRANA , SHAMLI (UP).	India
Mr. Mahendra Pratap Swain	National Doctoral Fellow, AICTE, (Govt. Of India) Department of Pharmaceutical Sciences and Technology, Birla Institute of technology, Mesra, Ranchi 835215	India
Dr. Kodipaka Rajeshwar Rao	Professor,CSE department Siddhartha Institute of Engineering and Technology, Ibrahimpatnam, Hyderabad	India
Dr. R. Thendral	Assistant Professor, Department of CSE, IFET College of Engineering, Villupuram	India

Applicant

Name	Address	Country
Dr.Kedri Janardhana	Assistant Professor (Senior Grade), Department of Electrical Engineering, Faculty of Engineering, Dayalbagh Educational Institute (Deemed to be University), Dayalbagh, Agra, Uttar Pradesh, 282005, India	India
Mr. A. Richard Pravin	Assistant Professor Department of Electrical and Electronics Engineering St. Anne's College of Engineering and Technology, Anguchettypalayam, Panruti. 607106	India
Mr. K. Rajkumar	Assistant Professor Department of Electrical and Electronics Engineering , Sri Sairam Engineering College, Sai Leo Nagar,West Tambaram, Chennai 600044	India
Mr. V. C. Eugin Martin Raj	Assistant Professor Department of Electrical and Electronics Engineering St. Anne's College of Engineering and Technology, Anguchettypalayam, Panruti. 607106	India
Mr. Dinesh .C	Assistant Professor Department of Electrical and Electronics Engineering , KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, AVINASHI ROAD, ARASUR, COIMBATORE – 641 407	India
Mrs.M.Razmah	Assistant Professor Department of Electrical and Electronics Engineering , Sri Sai Ram Institute of Technology Sai Leo Nagar,west Tambaram,Chennai	India
Mr. Yogendra Kumar	Assistant Professor, Department of Physics, VSP GOVERNMENT PG COLLEGE KAIRANA , SHAMLI (UP).	India
Mr. Mahendra Pratap Swain	National Doctoral Fellow, AICTE, (Govt. Of India) Department of Pharmaceutical Sciences and Technology, Birla institute of technology, Mesra, Ranchi 835215	India
Dr. Kodipaka Rajeshwar Rao	Professor,CSE department Siddhartha Institute of Engineering and Technology, Ibrahimpatnam, Hyderabad	India
Dr. R. Thendral	Assistant Professor, Department of CSE, IFET College of Engineering, Villupuram	India

Abstract:

Urban development, urban mobility, urban protection, and tourism need to increase the potential to detect and predict the crowd's movement in modern cities. How presents many problems for sensing and data collection technologies. The invention aims to summarise: The several application fields of crowd sensing and predictive technology can affect crowds with their capacity and limitations sensitively; (iii) data processing methods that can be used efficiently to forecast crowd distribution. It also seeks to recognize transparent and promising problems for science and technology.

Complete Specification

In general, this specification aims to predict and, more specifically, at crowd prevision and attendance prediction systems and methods using IoT in a smart city.

DISCUSSION OF THE PRIOR ART:

The need to identify existing circumstances (for example, traffic, electricity use, noise, etc.) and the potential of anticipating possible developments in those conditions to avoid problems and achieve better-informed decision-making and planning are important general issues an extensive panorama of inventions and approaches in such cities.

In particular, the ability to track and forecast crowd activity is a major catalyst for intelligent cities. Without needing to know what the behavior and their movement problem that can also raise serious privacy concerns), have a picture of the overall population density of any part of a municipality, understands how this density changes over time, and can predict those changes in a wide range of situations.

There is a growing recognition and a wide variety of approaches to crowdsensing (this means "sensing the crowd," to be not mistaken with "sensing through the crowd" approaches that are generally known as "crowdsensing," concerning the likelihood of people in the crowd

contributing sensory information). Nevertheless, the prior art hunt still lacks a concise description of such an important subject, and the invention aims to fill this void by concentrating on this innovation concept.

Identify the several field fields for efficient crowdsensing and prediction and report on specific instances from literature and the real world. Mobility preparation, so planning, project scheduling, mass management, and epidemiological planning

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Patent Search

Invention Title	APPARATUS AND METHOD FOR DETERMINING PLANT STRESS
Publication Number	36/2021
Publication Date	03/09/2021
Publication Type	INA
Application Number	202111033265
Application Filing Date	23/07/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	BIO-MEDICAL ENGINEERING
Classification (IPC)	A61B0005110000, A01G0007000000, A01G0025160000, G01N0027220000, A61N0001050000

Inventor

Name	Address	Country	Na
Mridul Kumar	Dayalbagh Educational Institute, Dayalbagh, Agra – 282005, Uttar Pradesh, India	India	Inc
Soami Daya Krishnananda	Dayalbagh Educational Institute, Dayalbagh, Agra – 282005, Uttar Pradesh, India	India	Inc
Zeeshan	Dayalbagh Educational Institute, Dayalbagh, Agra – 282005, Uttar Pradesh, India	India	Inc

Applicant

Name	Address	Country	Na
Dayalbagh Educational Institute	Dayalbagh Educational Institute, Dayalbagh, Agra – 282005, Uttar Pradesh, India	India	Ind

Abstract:

The present disclosure provides an apparatus (100) and method (400) for determining plant stress. The apparatus (100) includes a plurality of electrodes (104) partial into a plant growth medium (106), and at least one sensor (114) configured to determine environmental parameters of a surrounding environment of the plant (102). apparatus (100) includes a control unit (108) configured to provide a control command to the plurality of electrodes (104) for determining electrical parameters based part, on charge carrier concentration in the plant growth medium (106). The apparatus (100) includes a computing device (116) configured to compute a decision score of the plant stress based, at least in part, on the electrical parameters measured for the plant growth medium (106) and the environmental parameters.

Complete Specification

The present disclosure relates to a plant stress detection system and, more particularly, relates to an apparatus and method for determining biotic and/or abiotic plant stress by measuring electrical parameters around a growth medium (i.e. soil) throughout the growth cycle of the plant to prevent crop loss.

BACKGROUND

[0002] Generally, crop loss due to an inefficient sampling of plants in cultivation land is one of the serious issues in the agriculture sector. The crop loss may be due to conditions such as disease (i.e. plant stress) or under-development due to lack of water supply or fertilizers going undetected or uncontrolled usage of pesticides. Hence, sampling of the plants for early detection of the plant stress is crucial to prevent financial losses incurred to farmers or cultivators.

Conventionally, the health status of the plants is identified by mere visual inspection based on colour, texture and other physical appearances of the plants, which are not always accurate.

[0003] Further, the detection of plant stress is done by various techniques

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Patent Search

Invention Title	APPARATUS AND METHOD FOR DETECTING COUNTERFEIT DRUGS
Publication Number	36/2021
Publication Date	03/09/2021
Publication Type	INA
Application Number	202111036844
Application Filing Date	13/08/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06Q0030000000, H01R0107000000, A61M0035000000, A61B0005000000, A63B0021002000

Inventor

Name	Address	Country	Na
Zeeshan	Dayalbagh Educational Institute, Dayalbagh, Agra – 282005, Uttar Pradesh, India	India	Inc
Soami Daya Krishnananda	Dayalbagh Educational Institute, Dayalbagh, Agra – 282005, Uttar Pradesh, India	India	Inc
Mridul Kumar	Dayalbagh Educational Institute, Dayalbagh, Agra – 282005, Uttar Pradesh, India	India	Inc
Urvashi	Dayalbagh Educational Institute, Dayalbagh, Agra – 282005, Uttar Pradesh, India	India	Inc

Applicant

Name	Address	Country	Na
Dayalbagh Educational Institute	Dayalbagh Educational Institute, Dayalbagh, Agra – 282005, Uttar Pradesh, India	India	In

Abstract:

The present disclosure provides an apparatus (100) and a method (400) for detecting counterfeit drugs. The apparatus (100) includes a first receptacle (102) configured to accommodate a drug (104) to be tested and a second receptacle (106) configured to encase the first receptacle (102) accommodating the drug (104). The apparatus (100) includes one or more loop couplers (110) mounted to the second receptacle (106) that is configured to provide a series of frequency signals within the second receptacle (106). The second receptacle (106) attains a resonant mode. The apparatus (100) includes a computing device (118) trained with a training data to perform a quantitative analysis of the drug (104) to determine counterfeit in the drug (104) based at least on dielectric parameters measured at the resonant mode for the drug (104).

Complete Specification

The present disclosure relates to detection of counterfeit drugs and, 5 more particularly, relates to an apparatus and method for detecting counterfeit in drugs in form of either solid, semi-solid or liquid by using a microwave cavity perturbation technique.

BACKGROUND

[0002] Counterfeit drugs are often a major concern and threat to the healthcare and pharmaceutical industry. These drugs contain inadequate amounts of active pharmaceutical ingredients (API) or no API at all, contributing to one of main reasons behind treatment failures and triggering of an adverse immune response. In spite of the strict surveillance methods (i.e. label-based screening techniques such as [0003] Over the years, many techniques have been devised for the detection of counterfeit drugs. These techniques primarily use Near-Infrared Spectroscopy.

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[Copyright](http://ipindia.gov.in/copyright.htm) (<http://ipindia.gov.in/copyright.htm>) [Hyperlinking Policy](http://ipindia.gov.in/hyperlinking-policy.htm) (<http://ipindia.gov.in/hyperlinking-policy.htm>)
[Accessibility](http://ipindia.gov.in/accessibility.htm) (<http://ipindia.gov.in/accessibility.htm>) [Archive](http://ipindia.gov.in/archive.htm) (<http://ipindia.gov.in/archive.htm>) [Contact Us](http://ipindia.gov.in/contact-us.htm) (<http://ipindia.gov.in/contact-us.htm>)
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Page last updated on: 26/06/2019



INTELLECTUAL PROPERTY INDIA

PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



क्रमांक : 011111449
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.	308621
आवेदन सं. / Application No.	2073/DEL/2012
फाइल करने की तारीख / Date of Filing	04/07/2012
पेटेंटी / Patentee	DAYALBAGH EDUCATIONAL INSTITUTE
आविष्कारक (जहां लागू हो) / Inventor(s)	1.DEVENDRA KUMAR CHATURVEDI 2.VISHAL PENGORIA

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित "CONTINUOUS GAS FIRED ANNEALING FURNACE" नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 4th day of July 2012 से बीस वर्ष की अवधि के लिए पेटेंट अनुदात किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled "CONTINUOUS GAS FIRED ANNEALING FURNACE" as disclosed in the above mentioned application for the term of 20 years from the 4th day of July 2012 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 06/03/2019
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 4th day of July 2014 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 4th day of July 2014 and on the same day in every year thereafter.



INTELLECTUAL PROPERTY INDIA

PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



क्रमांक : 011112141
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.	310364
आवेदन सं. / Application No.	528/DEL/2011
फाइल करने की तारीख / Date of Filing	25/02/2011
पेटेंटी / Patentee	DAYALBAGH EDUCATIONAL INSTITUTE

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित "MAGNETICALLY TUNABLE PLANAR MICROWAVE DEVICE ON NON-MAGNETIC DIELECTRIC SUBSTRATE AND A METHOD OF MAGNETIC TUNING THEREOF" नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 25th day of February 2011 से बीस वर्ष की अवधि के लिए पेटेंट अनुदात किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled "MAGNETICALLY TUNABLE PLANAR MICROWAVE DEVICE ON NON-MAGNETIC DIELECTRIC SUBSTRATE AND A METHOD OF MAGNETIC TUNING THEREOF" as disclosed in the above mentioned application for the term of 20 years from the 25th day of February 2011 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 29/03/2019
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 25th day of February 2013 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 25th day of February 2013 and on the same day in every year thereafter.

Design Application Details

**Application Number:**

331907-001

Cbr Number:

14197

Cbr Date:

13/08/2020 10:55:16

Applicant Name:

1. BHANU PRATAP SAINI, 2. GURDEEP SINGH, 3. Dr. GURUMUKH DAS,

Design Application Status

**Application Status:**

Design Accepted and Published, Journal No is 41/2020 and Journal Date is 09/10/2020

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata : controllerdesign.ipo@nic.in
Controller General of Patents, Designs and Trademarks

Design Application Details

**Application Number:**

336629-001

Cbr Number:

23296

Cbr Date:

21/12/2020 21:16:38

Applicant Name:

1. Bhanu Pratap Saini, 2. Gurdeep Singh, 3. Arshdeep Kaur,
4. Dr. Gurumukh Das,

Design Application Status

**Application Status:**

Design Accepted and Published, Journal No is 01/2022 and Journal Date is 07/01/2022

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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Controller General of Patents, Designs and Trademarks

Design Application Details 

Application Number:

336632-001

Cbr Number:

23301

Cbr Date:

21/12/2020 21:13:00

Applicant Name:

1. Bhangu Pratap Saini, 2. Gurdeep Singh, 3. Arshdeep Kaur, 4. Dr. Gurumukh Das,

Design Application Status 

Application Status:

Design Accepted and Published, Journal No is 07/2021 and Journal Date is 12/02/2021

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under "Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs.

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Search Results

Your search for **2021100592** returned **1** result.

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	Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	First IPC mark
1	2021100592	QUANTUM SEEDED HYBRID EVOLUTIONARY COMPUTATIONAL PROCESS FOR CONSTRAINED OPTIMIZATION	Dayalbagh Educational Institute	Hans Raj. K.; Setia, Rajat	2021-01-29	GRANTED	G06F30/23

This data is current as of **2022-05-22 18:00 AEST**.

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Application Details

2021100592
: QUANTUM SEEDED HYBRID EVOLUTIONARY COMPUTATIONAL PROCESS FOR CONSTRAINED OPTIMIZATION

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021100592	Patent application type	Innovation			
Application status	GRANTED	Paid to date	2023-01-29	First IPC Mark G06F 30/23 (2021.01)		
Currently under opposition	No	Proceeding type(s)				
Invention title	QUANTUM SEEDED HYBRID EVOLUTIONARY COMPUTATIONAL PROCESS FOR CONSTRAINED OPTIMIZATION					
Inventor(s)	Hans Raj, K. ; Setia, Rajat					
Agent name	Hans Raj, K. PROF	Address for legal service	VIC 3084 Australia	show full address		
Filing date	2021-01-29	Australian OPI date	2021-04-15	OPI published in journal		
Effective date of patent	2021-01-29	Expiry date	2029-01-29			
Additional/Divisional application number	Additional/Divisional relationship					

Applicant details

Applicant	Dayalbagh Educational Institute	Applicant address	Agra 282005 India
Old name(s)			

IPC details

Int Cl.	Version	First Mark
G06F	30/23 (2021.01)	Y
G05B	13/02 (2021.01)	N
G05B	13/04 (2021.01)	N
B21C	23/00 (2021.01)	N
G06F	111/04 (2021.01)	N
G06F	111/06 (2021.01)	N
G06F	111/08 (2021.01)	N
G06F	119/14 (2021.01)	N

Priority details

Earliest priority date	2021-01-29	Type	Number	Filing date	Priority date

SPECIFICATION/E-REGISTER

History of Published Specifications:

[Download Specification\(AU-A4\)](#)[Explanation of Specification Codes](#)[View an Extract of the Register for this patent.](#)**EDOSSIER**

Document Date	Document Title	Document Type	Document Status	File Size (KB)
2021-03-31	Innovation Patent Certificate 31-03-2021	CORRO OUT	FILED	1808
2021-03-31	Innovation Patent Notice of Grant 31-03-2021	CORRO OUT	FILED	267
2021-03-25	Claim Acc-OPI 2021100592	CLAIM	ACCEPTED	85
2021-03-25	Combined Abstract Acc-OPI 2021100592	ABSTRACT	ACCEPTED	102
2021-03-25	Description Acc-OPI 2021100592	DESCRIPTION	ACCEPTED	8995
2021-03-25	Drawing Acc-OPI 2021100592	DRAWING	ACCEPTED	1382
2021-02-12	Drawing 29-01-2021 SPBI-0002466572	DRAWING	FILED	1382
2021-02-12	Innovation Patent Application Filing Receipt 12-02-2021	CORRO OUT	FILED	312
2021-01-29	Abstract 29-01-2021 SPBI-0002466572	ABSTRACT	FILED	31
2021-01-29	Claim 29-01-2021 SPBI-0002466572	CLAIM	FILED	85
2021-01-29	Cover Sheet App Inov 29-01-2021 SPBI-0002466572	OTHER	FILED	5
2021-01-29	Description 29-01-2021 SPBI-0002466572	DESCRIPTION	FILED	8995
2021-01-29	Note Entlmnt 29-01-2021 SPBI-0002466572	NOTE ENTLMT	FILED	4
2021-01-29	Patent Request 29-01-2021 SPBI-0002466572	PATENT REQUEST	FILED	5
2021-01-29	SPEI-0004683929 - Main Document	CORRO IN	FILED	31

LIFECYCLE DETAILS

Acceptance details

Acceptance date 2021-03-26

Granting details

Deferment of granting	No	Granting date	2021-03-31	Granted published date	2021-04-15
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FEE/PUBLICATION HISTORY

Continuation/Renewal fee history

Date paid Last agency address	Paid to date	2023-01-29	Next fee due	2	Fee Table
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Publication history

Vol/Iss	Publication date	Publication action	Reason	Document kind
35/15	2021-04-15	Innovation Patents OPI		AU-A4
35/15	2021-04-15	Patent Granted - Innovation Patents		
35/8	2021-02-25	Innovation Application Filed		

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Design Application Details

**Application Number:**

345654-001

Cbr Number:

204859

Cbr Date:

03/07/2021 14:32:22

Applicant Name:

1. ANKIT KUSHWAHA, 2. GURDEEP SINGH, 3. GURUMUKH DAS,
4. AMRIT LAL,

Design Application Status

**Application Status:**

Design Accepted and Published, Journal No is 37/2021 and Journal Date is 10/09/2021

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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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

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	201911034994
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	30/08/2019
APPLICANT NAME	1 . BISWAS NEERAJ KUMAR (MR.) 2 . SRIVASTAV ANUPAM (DR.) 3 . SAXENA SAKSHI (MS.) 4 . VERM ANURADHA (DR.) 5 . BANERJEE ANAMIKA (DR.) 6 . KUMARI ASHA (MS.) 7 . SATSANGI VIBHA RANI (PROF.) 8 . SHRIVASTAV ROHIT (PROF.) 9 . DASS SAHAB (PROF.)
TITLE OF INVENTION	"PARTIALLY CRYSTALLINE NITROGEN DOPED TITANIUM DIOXIDE FOR UNBIASED PHOTOELECTROCHEMICAL WATER SPLITTING FOR HYDROGEN GENERATION"
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	drsahabd@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	30/08/2019
PUBLICATION DATE (U/S 11A)	18/12/2020
FIRST EXAMINATION REPORT DATE	22/02/2021
Date Of Certificate Issue	29/07/2021
POST GRANT JOURNAL DATE	30/07/2021
REPLY TO FER DATE	17/04/2021

Application Status

APPLICATION STATUS

**Granted Application, Patent Number
:373104****E-Register****Order(s)/Decision(s)****View Documents****→ Filed → RQ Filed → Published → Under Examination****→ Disposed****In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in**

Design Application Details

**Application Number:**

347570-001

Cbr Number:

206116

Cbr Date:

08/08/2021 22:49:35

Applicant Name:

1. JITESH SINGH CHAUHAN, 2. GURDEEP SINGH, 3. BIGHNA KALYAN NAYAK,
4. GURUMUKH DAS,

Design Application Status

**Application Status:**

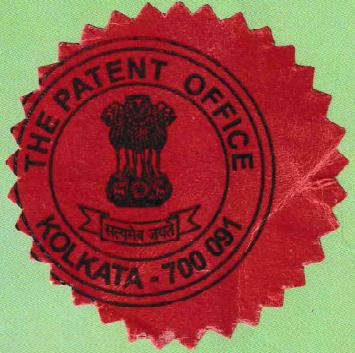
Design Accepted and Published, Journal No is 42/2021 and Journal Date is 15/10/2021

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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ORIGINAL

No. 103411

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GOVERNMENT OF INDIA

2021105408

THE CERTIFICATE OF

Design No.

Date

Reciprocity Date*

Country

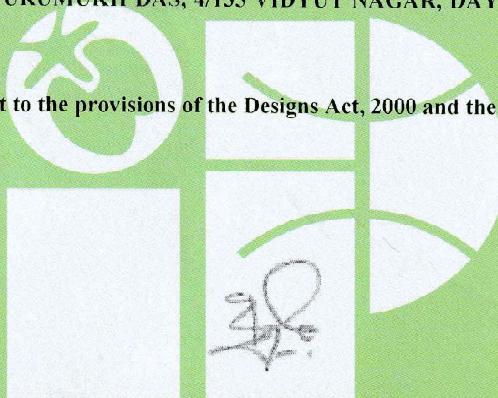
THE OFFICE
CERTIFICATE OF DESIGN

1

122:02:28

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 17-04 in respect of the application of such design to ERGONOMIC CASTANET in the name of 1. AMRIT LAL, WARD NO. 31, SUMERPUR, DISTT: PALI, RAJASTHAN, PIN: 306902 2. GURDEEP SINGH, NEW MARRIED SCHOLAR QUARTER NO. 307, IIT GUWAHATI CAMPUS, NORTH GUWAHATI, ASSAM, PIN: 781039 3. ARSHDEEP KAUR, NEW MARRIED SCHOLAR QUARTER NO. 307, IIT GUWAHATI CAMPUS, NORTH GUWAHATI, ASSAM, PIN: 781039 4. GURUMUKH DAS, 4/135 VIDYUT NAGAR, DAYALBAGH, AGRA, UTTAR PRADESH, PIN: 282005

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



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INTELLECTUAL PROPERTY INDIA

PATENTS | DESIGNS | TRADE MARKS

GUWAHATI CAMPUS, NORTH GUWAHATI, ASSAM,
PIN: 781039

GEOGRAPHICAL INDICATIONS

Date of Issue 11/10/2021 10:48:19

[Home](#)[Quick Structured Advanced](#)

Application Details

2021105408

: A METHOD AND SYSTEM FOR BUILDING MINIMUM SPANNING TREES WITH LEAF CONSTRAINT IN EUCLIDEAN SPACE

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021105408	Patent application type	Innovation			
Application status	GRANTED	Paid to date	2023-08-13	First IPC Mark G06F 16/901 (2021.01)		
Currently under opposition	No	Proceeding type(s)				
Invention title	A METHOD AND SYSTEM FOR BUILDING MINIMUM SPANNING TREES WITH LEAF CONSTRAINT IN EUCLIDEAN SPACE					
Inventor(s)	Vuppuluri, Prem Prakash ; Chellapilla, Patvardhan					
Agent name	Vuppuluri, Dr. Prem Prakash	Address for legal service	VIC 3046 Australia	show full address		
Filing date	2021-08-13	Australian OPI date	2021-11-25	OPI published in journal		
Effective date of patent	2021-08-13	Expiry date	2029-08-13			
Additional/Divisional application number	Additional/Divisional relationship					

Applicant details

Applicant	DAYALBAGH EDUCATIONAL INSTITUTE	Applicant address	Uttar Pradesh 282005 India
Old name(s)	Chellapilla, Patvardhan ; Vuppuluri, Prem Prakash		

IPC details

Int Cl.	Version	First Mark
G06F	16/901 (2021.01)	Y
G06F	17/10 (2021.01)	N

Priority details

Earliest priority date	2021-08-13	Type	Number	Filing date	Priority date

SPECIFICATION/E-REGISTER

History of Published Specifications: [Download Specification\(AU-A4\)](#)

Explanation of Specification Codes

[View an Extract of the Register for this patent.](#)

E DOSSIER

Document Date	Document Title	Document Type	Document Status	File Size (KB)
2021-12-16	Assignment Allowed - Notice to Requestor 16-12-2021	CORRO OUT	FILED	169
2021-12-16	Cover Sheet Req Assignment 30-11-2021 AMCZ-2110679520	OTHER	FILED	4
2021-12-16	Req Assignment 30-11-2021 AMCZ-2110679520	AMENDMENT	FILED	978
2021-12-16	Req Assignment 30-11-2021 AMCZ-2110679520	AMENDMENT	FILED	97
2021-11-10	Innovation Patent Certificate 10-11-2021	CORRO OUT	FILED	1812
2021-11-10	Innovation Patent Notice of Grant 10-11-2021	CORRO OUT	FILED	267
2021-10-29	Claim Acc-OPI 2021105408	CLAIM	ACCEPTED	79
2021-10-29	Combined Abstract Acc-OPI 2021105408	ABSTRACT	ACCEPTED	47
2021-10-29	Description Acc-OPI 2021105408	DESCRIPTION	ACCEPTED	694
2021-10-29	Drawing Acc-OPI 2021105408	DRAWING	ACCEPTED	311
2021-10-11	Drawing 13-08-2021 AMCZ-211035664528473839	DRAWING	FILED	311
2021-10-11	Innovation Patent Application Filing Receipt 11-10-2021	CORRO OUT	FILED	278
2021-08-13	Abstract 13-08-2021 AMCZ-2110356645	ABSTRACT	FILED	18
2021-08-13	Claim 13-08-2021 AMCZ-2110356645	CLAIM	FILED	79
2021-08-13	Cover Sheet App Inov 13-08-2021 AMCZ-2110356645	OTHER	FILED	5
2021-08-13	Description 13-08-2021 AMCZ-2110356645	DESCRIPTION	FILED	694
2021-08-13	Note Entlmnt 13-08-2021 AMCZ-2110356645	NOTE ENTLMNT	FILED	4
2021-08-13	Patent Request 13-08-2021 AMCZ-2110356645	PATENT REQUEST	FILED	5

LIFECYCLE DETAILS

Acceptance details

Acceptance date 2021-11-05

Granting details

Deferment of granting	No	Granting date	2021-11-10	Granted published date	2021-11-25
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FEE/PUBLICATION HISTORY

Continuation/Renewal fee history

Date paid Last agency address	Paid to date	2023-08-13	Next fee due	2	Fee Table
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Publication history

Vol/Iss	Publication date	Publication action	Reason	Document kind
36/1	2022-01-06	Assignments Registered - Section 187 & Reg 19		
35/47	2021-11-25	Innovation Patents OPI		AU-A4
35/47	2021-11-25	Patent Granted - Innovation Patents		
35/42	2021-10-21	Innovation Application Filed		

OWNERSHIP DETAILS

Change of ownership

New name	DAYALBAGH EDUCATIONAL INSTITUTE	Old name	Chellapilla, Patvardhan; Vuppuluri, Prem Prakash
Date of request	2021-11-30	Date of allowance of name change	2021-12-16
Date published	2022-01-06	Reason	Request for Assignment

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GEOGRAPHICAL INDICATIONS



क्रमांक : 011140919
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.	383003
आवेदन सं. / Application No.	2087/DEL/2007
फाइल करने की तारीख / Date of Filing	05/10/2007
पेटेंटी / Patentee	DAYALBAGH EDUCATIONAL INSTITUTE

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित "A PROCESS FOR THE DECONTAMINATION OF TOXIC HEAVY METAL'S POLLUTED WATER" नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 5th day of October 2007 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 "A PROCESS FOR THE DECONTAMINATION OF TOXIC HEAVY METAL'S POLLUTED WATER" as disclosed in the above mentioned application for the term of 20 years from the 5th day of October 2007 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 29/11/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 5th day of October 2009 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 5th day of October 2009 and on the same day in every year thereafter.



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Status : Inforce

Inforce upto : 26/05/2032

Design Number	:	364912-001	Filing Date	:	26/05/2022
Type of Application	:	ORDINARY	Class:Subclass	:	21-01
Convention Country/IGO	:		Reciprocity Date	:	
Notification Date	:	05/08/2022		:	
Name of Article	:	Mud Picker Toy (Set) for Kids			

Sl No	Name of Registered Proprietor	Address
1	Jitesh Singh Chauhan	M.I.G. 47, Deen Dayal Dham, Rewa, Madhya Pradesh, PIN: 486001
2	Gurdeep Singh	Village: Phullanwal (Near Govt. Dispensary), P.O.: Basant Avenue, Distt: Ludhiana, Punjab, PIN: 141013
3	Divya Zindani	1/35, Swami Vivekananda Nagar, Kota, Rajasthan, PIN: 324010
4	Gurumukh Das	/135 Vidyut Nagar, Dayalbagh, Agra, Uttar Pradesh, PIN: 282005

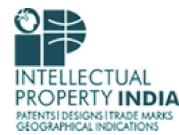
Address of Service : New Married Scholar Quarter No. 307, IIT Guwahati Campus, North Guwahati, Assam, PIN: 781039

Additional Address of Service :

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Status : Inforce

Inforce upto : 24/04/2032

Design Number	:	363027-001	Filing Date	:	24/04/2022
Type of Application	:	ORDINARY	Class:Subclass	:	06-04
Convention Country/IGO	:		Reciprocity Date	:	
Notification Date	:	07/10/2022		:	
Name of Article	:	Semi-precious Jewellery Organizer			

Sl No	Name of Registered Proprietor	Address
1	Jitesh Singh Chauhan	M.I.G. 47, Deen Dayal Dham, Rewa, Madhya Pradesh, PIN: 486001
2	Gurdeep Singh	Village: Phullanwal (Near Govt. Dispensary), P.O.: Basant Avenue, Distt: Ludhiana, Punjab, PIN: 141013
3	Arshdeep Kaur	H. No. 263, St. No. 0/3R, Isher Nagar, B/s GNE College, Ludhiana, PIN: 141006
4	Gurumukh Das	4/135 Vidyut Nagar, Dayalbagh, Agra, Uttar Pradesh, PIN: 282005

Address of Service : New Married Scholar Quarter No. 307, IIT Guwahati Campus, North Guwahati, Assam, PIN: 781039

Additional Address of Service :

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Design Application Details

**Application Number:**

371013-001

Cbr Number:

206122

Cbr Date:

18/09/2022 14:43:32

Applicant Name:

**1. JITESH SINGH CHAUHAN 2. GURDEEP SINGH 3. DIVYA ZINDANI
4. GURUMUKH DAS**

Design Application Status

**Application Status:**

Application Accepted, Certificate of Design Generated.

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under "Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata : controllerdesign.ipo@nic.in
Controller General of Patents, Designs and Trademarks

Design Application Details

**Application Number:**

337425-001

Cbr Number:

663

Cbr Date:

11/01/2021 19:28:53

Applicant Name:

**1. BHANU PRATAP SAINI 2. GURDEEP SINGH 3. ARSHDEEP KAUR
4. Dr. GURUMUKH DAS**

Design Application Status

**Application Status:**

Application Accepted,Certificate of Design not Generated.

[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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Controller General of Patents, Designs and Trademarks



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 Department of Industrial Policy & Promotion,
 Ministry of Commerce & Industry,
 Government of India

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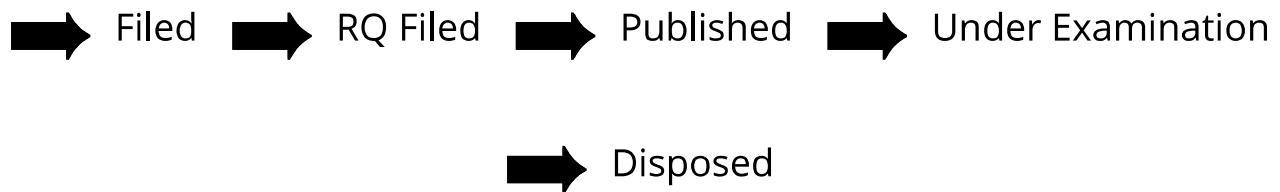
Application Details

APPLICATION NUMBER	202011014665
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/04/2020
APPLICANT NAME	1 . Er. Ishant Singhal 2 . Dr. Ankit Sahai 3 . Dr Rahul Swarup Sharma
TITLE OF INVENTION	EXTRUDER OF CIVIL CONSTRUCTION 3D PRINTER FOR DEPOSITING CONCRETE
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	pooja@innoveintellects.com
ADDITIONAL-EMAIL (As Per Record)	rahulswarup.sharma@gmail.com
E-MAIL (UPDATED Online)	rahulswarup.sharma@gmail.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	03/04/2020
PUBLICATION DATE (U/S 11A)	08/05/2020
REPLY TO FER DATE	28/06/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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Application Details

APPLICATION NUMBER	202011018294
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	29/04/2020
APPLICANT NAME	1 . Saurabh Bhardwaj 2 . Shivam Gautam 3 . Guru Ratan Satsangee 4 . Er. Ishant Singhal 5 . Dr. Ankit Sahai 6 . Dr Rahul Swarup Sharma
TITLE OF INVENTION	SYSTEM AND METHOD TO SIMULATE 3D PRINTER MACHINE
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	rahulswarup.sharma@gmail.com
E-MAIL (UPDATED Online)	rahulswarup.sharma@gmail.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	29/04/2020
PUBLICATION DATE (U/S 11A)	19/06/2020
REPLY TO FER DATE	15/07/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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Application Details

APPLICATION NUMBER	202011019765
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/05/2020
APPLICANT NAME	1 . Er. Shailendra Shakya 2 . Shivam Gautam 3 . Sumit Agarwal 4 . Saurabh Bhardwaj 5 . Prashant Pachauri 6 . Er. Pushpendra Yadav 7 . Er. Ishant Singh 8 . Dr. Ankit Sahai 9 . Dr. Rahul Swarup Sharma
TITLE OF INVENTION	FOLDABLE FREEFORM FABRICATOR
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	pooja@innoveintelleccts.com
ADDITIONAL-EMAIL (As Per Record)	pooja@innoveintelleccts.com
E-MAIL (UPDATED Online)	rahulswarup.sharma@gmail.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	13/05/2020
PUBLICATION DATE (U/S 11A)	19/06/2020
REPLY TO FER DATE	13/05/2022

Application Status

APPLICATION STATUS

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Application Details

APPLICATION NUMBER	202011020521
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/05/2020
APPLICANT NAME	1 . Er. PushpendraYadav 2 . Saurabh Bhardwaj 3 . Shivam Gautam 4 . Dr. Ankit Sahai 5 . Dr Rahul Swarup Sharma
TITLE OF INVENTION	FUSED MATERIAL DEPOSITION SYSTEM FOR PRODUCING RAPID PATTERNS
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	rahulswarup.sharma@gmail.com
E-MAIL (UPDATED Online)	rahulswarup.sharma@gmail.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	16/05/2020
PUBLICATION DATE (U/S 11A)	26/06/2020
REPLY TO FER DATE	31/07/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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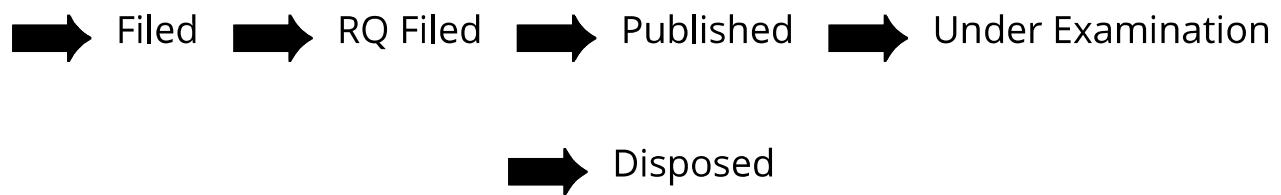
Application Details

APPLICATION NUMBER	201911002264
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/01/2019
APPLICANT NAME	DAYALBAGH EDUCATIONAL INSTITUTE
TITLE OF INVENTION	"MULTIPLE LAND-USE SUN TRACKING STRUCTURE FOR ACCOMMODATING SOLAR PANELS"
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	services@ciplegit.com
ADDITIONAL-EMAIL (As Per Record)	services@ciplegit.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	24/01/2020
PUBLICATION DATE (U/S 11A)	28/08/2020
REPLY TO FER DATE	04/11/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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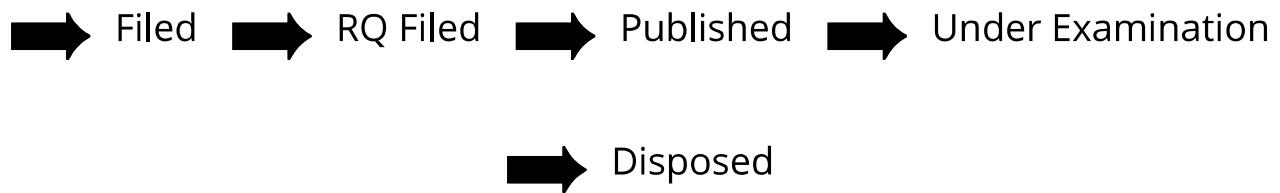
Application Details

APPLICATION NUMBER	201911007481
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/02/2019
APPLICANT NAME	DAYALBAGH EDUCATIONAL INSTITUTE
TITLE OF INVENTION	"FIELD PROGRAMMABLE GATE ARRAY BASED PROCESSING ENGINE FOR ELECTRIC POWER TRANSMISSION LINES"
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	services@ciplegit.com
ADDITIONAL-EMAIL (As Per Record)	services@ciplegit.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	28/01/2020
PUBLICATION DATE (U/S 11A)	04/09/2020
REPLY TO FER DATE	30/11/2021

Application Status

APPLICATION STATUS	Reply Filed. Application in amended examination
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Patent Search

Invention Title	METHOD AND SYSTEM FOR MAKING WASHERS AND GASKETS
Publication Number	41/2020
Publication Date	09/10/2020
Publication Type	INA
Application Number	202011038309
Application Filing Date	04/09/2020
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	MECHANICAL ENGINEERING
Classification (IPC)	B33Y001000000, B33Y003000000, B33Y0050020000, G06F0017500000, B22F0003105000

Inventor

Name	Address	Country
GURU RATAN SATSANGEE	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra - 282005	India
SAURABH BHARDWAJ	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, AGRA 282005	India
Er. ISHANT SINGHAL	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh,Agra	India
Dr. ANKIT SAHAI	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra	India
Dr. RAHUL SWARUP SHARMA	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra	India

Applicant

Name	Address	Country
GURU RATAN SATSANGEE	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra - 282005	India
SAURABH BHARDWAJ	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, AGRA 282005	India
Er. ISHANT SINGHAL	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh,Agra	India
Dr. ANKIT SAHAI	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra	India
Dr. RAHUL SWARUP SHARMA	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra	India

Abstract:

The invention relates to a method and system for fabricating silicon washers and gaskets using fused material deposition technique. The invention introduces a for controlled extrusion of the semi-liquid silicon paste. This invention tends to overcome the problem of excessive inventory of articles like washers, gaskets an prone to heavy wear and tear. The method comprises a three dimensional computer aided design model of target part, layering process of three dimensional n of semi-liquid paste which is to be then filled in syringe extruder, layer-by-layer fabrication of the target article by extrusion of semi-liquid silicon paste through extruder.

[Complete Specification](#)

Claims:We Claim:

1. A system for making washers and gaskets (303) of silicon, wherein the system comprises of, a set of couplings (201), a set of smooth rods (202), a set of threaded rods (104), a certain supporting frame (301), X axis assembly (302), Y axis assembly (304), Z axis assembly (305), at least one control panel (306), a print bed (307) ar one syringe extruder (308).
2. The system claimed in claim 1, wherein, the syringe extruder (308) comprises a head (101) which houses extruder assembly, at least one extruder stepper a set of flange nut (103), at least one threaded rods (104), a set of couplings (201), at least one smooth rod (202), at least one plunger (203) and at least one no
3. The system claimed in claim 1, wherein, the syringe extruder (308) is compatible to operate with semi-liquid silicon paste (204).
4. The system claimed in claim 1, wherein, the syringe extruder (308) is controlled by using an extruder stepper motor (102) for its reciprocating action align direction.

5. The syringe extruder (308) claimed in claim 1, wherein, a set of couplings (201) transmit the rotary motion of motor shaft to the threaded rod (104) thus tr

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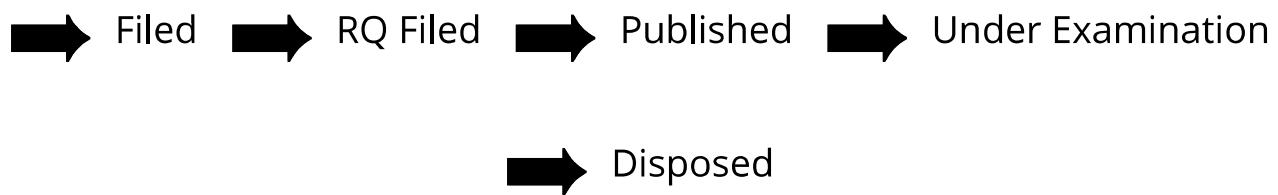
Application Details

APPLICATION NUMBER	202011048692
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/11/2020
APPLICANT NAME	1 . ANAMI SAGGAR 2 . GURU RATAN SATSANGEE 3 . DR. ANKIT SAHAI 4 . DR. RAHUL SWARUP SHARMA
TITLE OF INVENTION	PORTABLE PRECISION SILENT COOLING SYSTEM FOR STORAGE OF VACCINE VIALS
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	rahulswarup.sharma@gmail.com
ADDITIONAL-EMAIL (As Per Record)	grsatsangee004@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	07/11/2020
PUBLICATION DATE (U/S 11A)	20/11/2020

Application Status

APPLICATION STATUS	FER Issued, Reply not Filed
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Application Details

APPLICATION NUMBER	202111004303
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Jayabalani Sivasamy 3 . Dr.Neelakandeswari Natarajan 4 . Dr.Yogambal Jayalakshmi Natarajan 5 . Koteeswaran Sivasamy 6 . Dr.C. Udhaya Shankar 7 . Saravanan D 8 . Dr.D.Stalin David 9 . Dr.T.Vinoth Kumar
TITLE OF INVENTION	IOT ENABLED INTELLIGENT SOLAR CHARGE CONTROLLER FOR A SMART IRRIGATION SYSTEM
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/02/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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Application Details

APPLICATION NUMBER	202111004715
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.T.Vinod Kumar 3 . Dr. Chitra Pasupathi 4 . Dr.K.Chokkanathan 5 . Dr.P.Subhashini 6 . P.Rathnavel 7 . Dr. K. Rajeshwar Rao 8 . P. Meenalochini 9 . Mr.Saravanan D
TITLE OF INVENTION	INTELLIGENT CONNECTIVITY DRIVING USING VEHICULAR AD HOC NETWORKS FOR FUTURE TRANSPORTATION
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/02/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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Application Details

APPLICATION NUMBER	202111005159
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr. Rajeev Gupta 3 . Vivek Bhatnagar 4 . Gulbir Singh 5 . Gautam Kumar 6 . Dr R Rajeswari 7 . SHINI RENJITH 8 . Saravanan D 9 . Dr.D.Stalin David 10 . M.Vijayaragavan
TITLE OF INVENTION	A SYSTEM AND METHOD FOR WILDLIFE SURVEILLANCE USING DEEP LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/02/2021

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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Application Details

APPLICATION NUMBER	202111006351
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr. SURIYA BEGUM 3 . Dr.G.Prakash 4 . Mrs.V.Akshaya 5 . Dr. K. Rajeshwar Rao 6 . Mr.K. Venkateshwar Rao 7 . Dr.G.Ravivarman 8 . Dr D Beulah David 9 . MS. S.Karthika
TITLE OF INVENTION	AUGMENTED REALITY-BASED LOW COST SMART HELMET FOR E-VEHICLE
FIELD OF INVENTION	TEXTILE
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/02/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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Application Details

APPLICATION NUMBER	202111007211
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mr. C. S. Sundar Ganesh 3 . Dr.M.Jagadeesh kumar 4 . Mr.G.G.Muthukumar 5 . Dr. N. Yogambal Jayalakshmi 6 . Dr.R.Arul Jose 7 . Dr. K. Uthayarani 8 . Dr. M. Chitra 9 . Mrs. R. Vasanthapriya 10 . Mr.Jayabalan Sivasamy
TITLE OF INVENTION	INTELLIGENT FULLY AUTONOMOUS QUICK WATERLESS SOLAR PANEL CLEANING ROBOT
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/02/2021

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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Application Details

APPLICATION NUMBER	202111008211
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.V. Elizabeth Jesi 3 . M.Vijayaragavan 4 . Dr. SHOIEB AHAMED 5 . Mr.Rajendirakumar 6 . Mr.P.Rajasekar 7 . Ms. K. REKHA 8 . Dr.A.Nirmal Kumar 9 . Dr. M. Rajalakshmi 10 . Dr.J.JOSPIN JEYA
TITLE OF INVENTION	WEARABLE DEVICES USING LOW POWER WIDE AREA NETWORK (LPWAN) FOR SELF HEALTH MONITORING
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	05/03/2021

Application Status

APPLICATION STATUS

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Application Details

APPLICATION NUMBER	202111009854
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr. C. Karthik 3 . M.Chilambarasan 4 . Mr. Sourabh Shastri 5 . Mr. Kuljeet Singh 6 . Mr. Sachin Kumar 7 . Prof. Vibhakar Mansotra 8 . Dr.A.Nirmal Kumar 9 . Dr.T.Vandarkuzhali 10 . Dr.G.Ravivarman
TITLE OF INVENTION	HYBRID DRONE FOR SMART LOGISTICS USING IOT
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/03/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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Application Details

APPLICATION NUMBER	202111012231
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.T.Vinod Kumar 3 . M.Vijayaragavan 4 . Mr.T.Senthil Kumar 5 . Mr.B.Gopinath 6 . Dr. K. Rajeshwar Rao 7 . Mr.K. Venkateshwar Rao 8 . Dr.D.Stalin David 9 . Mr.B.Ashok 10 . Dr. Yogambal Jayalakshmi Natarajan
TITLE OF INVENTION	AI BASED HYBRID LEG WHEEL TRACK GROUND MOBILE ROBOT
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/03/2021

Application Status

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Application Details

APPLICATION NUMBER	202111013094
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mr.A .Richard Pravin 3 . Allwyn Gnanadas. A 4 . M.Vijayaragavan 5 . Mrs M.Perarasi 6 . Dr. K. Rajeshwar Rao 7 . Dr.T.Vinoth Kumar 8 . Issakki Raja.P 9 . Muneeswaran.R 10 . UMA SELVAN.P
TITLE OF INVENTION	IOT BASED COST-EFFECTIVE SOLAR POWERED WATER COOLER SYSTEM
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
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REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	16/04/2021

Application Status

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Application Details

APPLICATION NUMBER	202111015818
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/04/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mrs.Indhumathi G 3 . Dr. K. Rajeshwar Rao 4 . Dr. S. Vijayalakshmi 5 . Mr.S.Vivekanandan 6 . Prof. Dharamvir 7 . Mr. R G Padmanabhan 8 . DR.L.Arokia jesu prabhu 9 . Mrs. Bhawna Singh 10 . Dr. Neeraj Sharma
TITLE OF INVENTION	"AN ACCIDENT PREDICTION SYSTEM FOR ELECTRIC VEHICLE USING AI"
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	23/04/2021

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Application Details

APPLICATION NUMBER	202111009492
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mrs.Rekha Baghel 3 . Dr.T.Vinod Kumar 4 . Dr. K. Rajeshwar Rao 5 . Dr.T.Vandarkuzhali 6 . Mr.Saravanan D 7 . Mr. Aruna kumar Joshi 8 . Mrs.B.S.Nalina 9 . Mrs.S.L.Sreedevi 10 . K.Saravanan
TITLE OF INVENTION	AI BASED E-VEHICLE BATTERY POWER MANAGEMENT SYSTEM
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	harishvats@live.com
ADDITIONAL-EMAIL (As Per Record)	harishvats2050@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/03/2021

Application Status

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Search Results

Your search for **2021104261** returned **1** result.

null quickSearch

	Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	First IPC mark
1	2021104261	A METHOD AND SYSTEM FOR ESTIMATING TWO-COLORABILITY FOR CONFLICT-FREE COLORING	Agrawal, Mayank; Prakash, V. Prem; Sengar, Ayushi; Singhal, Rishabh	Singhal, Rishabh; Sengar, Ayushi; Prakash, V. Prem; Agrawal, Mayank	2021-07-16	GRANTED	G06T11/00

This data is current as of **2022-05-22 18:00 AEST**.

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Application Details

2021104261
: A METHOD AND SYSTEM FOR ESTIMATING TWO-COLORABILITY FOR CONFLICT-FREE COLORING

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021104261	Patent application type	Innovation			
Application status	GRANTED	Paid to date	2023-07-16	First IPC Mark G06T 11/00 (2021.01)		
Currently under opposition	No	Proceeding type(s)				
Invention title	A METHOD AND SYSTEM FOR ESTIMATING TWO-COLORABILITY FOR CONFLICT-FREE COLORING					
Inventor(s)	Singhal, Rishabh ; Sengar, Ayushi ; Prakash, V. Prem ; Agrawal, Mayank					
Agent name	Singhal, Rishabh	Address for legal service	VIC 3046 Australia	show full address		
Filing date	2021-07-16	Australian OPI date	2022-04-07	OPI published in journal		
Effective date of patent	2021-07-16	Expiry date	2029-07-16			
Additional/Divisional application number	Additional/Divisional relationship					

Applicant details

Applicant	Agrawal, Mayank	Applicant address	Agra India
Applicant	Prakash, V. Prem	Applicant address	Agra India
Applicant	Singhal, Rishabh	Applicant address	Uttar Pradesh 203131 India
Applicant	Sengar, Ayushi	Applicant address	Agra 282005 India
Old name(s)			

IPC details

Int Cl.	Version	First Mark
G06T	11/00 (2021.01)	Y

Priority details

Earliest priority date	2021-07-16	Number	Filing date	Priority date
Type				

History of Published Specifications:

[Download Specification\(AU-A4\)](#)[Explanation of Specification Codes](#)[View an Extract of the Register for this patent.](#)**DOSSIER**

Document Date	Document Title	Document Type	Document Status	File Size (KB)
2022-03-23	Innovation Patent Certificate 23-03-2022	CORRO OUT	FILED	1814
2022-03-23	Innovation Patent Notice of Grant 23-03-2022	CORRO OUT	FILED	267
2022-03-18	Claim Acc-OPI 2021104261	CLAIM	ACCEPTED	56
2022-03-18	Combined Abstract Acc-OPI 2021104261	ABSTRACT	ACCEPTED	211
2022-03-18	Description Acc-OPI 2021104261	DESCRIPTION	ACCEPTED	563
2022-03-18	Drawing Acc-OPI 2021104261	DRAWING	ACCEPTED	332
2021-08-04	Drawing 16-07-2021 SPBI-0002593143	DRAWING	FILED	332
2021-08-04	Innovation Patent Application Filing Receipt 04-08-2021	CORRO OUT	FILED	294
2021-07-16	Abstract 16-07-2021 SPBI-0002593143	ABSTRACT	FILED	17
2021-07-16	Claim 16-07-2021 SPBI-0002593143	CLAIM	FILED	56
2021-07-16	Cover Sheet App Inov 16-07-2021 SPBI-0002593143	OTHER	FILED	6
2021-07-16	Description 16-07-2021 SPBI-0002593143	DESCRIPTION	FILED	563
2021-07-16	Note Entlmnt 16-07-2021 SPBI-0002593143	NOTE ENTLMT	FILED	4
2021-07-16	Patent Request 16-07-2021 SPBI-0002593143	PATENT REQUEST	FILED	5
2021-07-16	SPEI-0004905916 - Main Document	CORRO IN	FILED	40

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Acceptance details

Acceptance date 2022-03-18

Granting details

Deferment of granting	No	Granting date	2022-03-23	Granted published date	2022-04-07
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Continuation/Renewal fee history

Date paid	Paid to date	Next fee due	Fee Table
Last agency address		2023-07-16	2

Publication history

Vol/Iss	Publication date	Publication action	Reason	Document kind
36/14	2022-04-07	Innovation Patents OPI		AU-A4
36/14	2022-04-07	Patent Granted - Innovation Patents		
35/33	2021-08-19	Innovation Application Filed		

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Application Details	
APPLICATION NUMBER	201911037637
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/09/2019
APPLICANT NAME	DAYALBAGH EDUCATIONAL INSTITUTE
TITLE OF INVENTION	"PORTABLE FIXTURES FOR HOLDING FLAT METAL PLATES IN A TOOL POST OF A CONVENTIONAL LATHE MACHINE FOR WELDING"
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	services@ciplegit.com
ADDITIONAL-EMAIL (As Per Record)	services@ciplegit.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	13/01/2022
PUBLICATION DATE (U/S 11A)	03/09/2021

Application Status

APPLICATION STATUS

FER Issued, Reply not Filed

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Application Details	
APPLICATION NUMBER	202111033265
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/07/2021
APPLICANT NAME	Dayalbagh Educational Institute
TITLE OF INVENTION	APPARATUS AND METHOD FOR DETERMINING PLANT STRESS
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	ipo@epiphanyipsolutions.com
ADDITIONAL-EMAIL (As Per Record)	vanand@epiphanyipsolutions.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	23/07/2021
PUBLICATION DATE (U/S 11A)	03/09/2021
REPLY TO FER DATE	08/08/2022

Application Status

APPLICATION STATUS

Reply Filed. Application in amended examination

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Application Details	
APPLICATION NUMBER	202111036844
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/08/2021
APPLICANT NAME	Dayalbagh Educational Institute
TITLE OF INVENTION	APPARATUS AND METHOD FOR DETECTING COUNTERFEIT DRUGS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	ipo@epiphanyipsolutions.com
ADDITIONAL-EMAIL (As Per Record)	vanand@epiphanyipsolutions.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	03/09/2021

Application Status

APPLICATION STATUS

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Patent Search

Invention Title	METHOD AND SYSTEM FOR IN-SITU FABRICATION OF CARBON NANOTUBES BLENDED THERMOPLASTICS PARTS
Publication Number	17/2022
Publication Date	29/04/2022
Publication Type	INA
Application Number	202211022914
Application Filing Date	19/04/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	MECHANICAL ENGINEERING
Classification (IPC)	B33Y0070000000, B33Y0080000000, B82Y0030000000, B33Y0050020000, B33Y0030000000

Inventor

Name	Address	Country
Abhishek Raj	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh Agra Uttar Pradesh-282005, India	India
Pushpendra Yadav	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh Agra Uttar Pradesh-282005, India	India
Ankit Sahai	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh Agra Uttar Pradesh-282005, India	India
Rahul Swarup Sharma	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh Agra Uttar Pradesh-282005, India	India

Applicant

Name	Address	Country
Abhishek Raj	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh Agra Uttar Pradesh-282005, India	India
Pushpendra Yadav	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh Agra Uttar Pradesh-282005, India	India
Dr. Ankit Sahai	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh Agra Uttar Pradesh-282005, India	India
Dr. Rahul Swarup Sharma	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh Agra Uttar Pradesh-282005, India	India

Abstract:

The invention relates to a method and system for fabricating CNTs thermoplastic using the Free form fabrication technique. The invention introduces a noble extrusion of Carbon Nanotubes (CNTs) and thermoplastics. This invention tends to overcome the problem of making carbon nanotube blended polymers required in different industries. The method comprises a three-dimensional computer-aided design model of the target part. The layering process of the three-dimensional model, choosing the type of carbon nanotube to be filled in a conical container of noble extrusion system, layer-by-layer fabrication of the target article by extruding continuous composite fiber through noble extrusion system.

Complete Specification

This invention generally relates to a method for in-situ fabrication of Carbon Nanotube blended polymer composite (CBPC) via free form fabrication or, more specifically, an in-situ system to blend carbon nanotubes with thermoplastics during the fabrication of additive parts.

BACKGROUND OF THE INVENTION

Carbon fiber-based polymer composites have been the focus of industrial research and have found broader usage in the automotive, aviation, defense and sports companies due to their high strength-to-weight ratio. CBPC has traditionally been manufactured using processes such as resin transfer molding, spray-up, automated tape laying, etc. One common issue with all traditional methods is the need for a mold cavity, which increases the cost of manufacturing and limits the formability of the final part. Thus, delivering mind-boggling and customized parts gets drawn-out and exorbitant.

The requirement for minimal expense, plan adaptability, and automated in-situ fabrication measures have prodded the improvement of the freeform fabrication technique (FFT) for CBPC. FFT alludes to a gathering of manufacturing strategies where parts are created layer-by-layer straightforwardly from a computer-aided design file. Fradic

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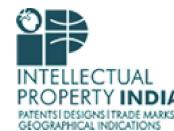
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Application Details	
APPLICATION NUMBER	202011056022
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/12/2020
APPLICANT NAME	1 . DAYALBAGH EDUCATIONAL INSTITUTE (DEEMED TO BE UNIVERSITY) 2 . RAJIV RANJAN 3 . DIPINTE GUPTA 4 . NRISINGHA DEY
TITLE OF INVENTION	A NOVEL SYNTHETIC PROMOTER AND ITS APPLICATION
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	rajivranjanbt@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	13/07/2021
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Application Status

APPLICATION STATUS

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Patent Search

Invention Title	SYSTEM AND METHOD FOR FABRICATING CUSTOMIZED, FLEXIBLE PROSTHETIC APPENDAGE ATTACHMENT (PAA)
Publication Number	48/2022
Publication Date	02/12/2022
Publication Type	INA
Application Number	202211066319
Application Filing Date	18/11/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	BIOTECHNOLOGY
Classification (IPC)	A61K0039395000, B26D0007300000, B33Y0050000000, H02J0004000000, C08L0079020000

Inventor

Name	Address	Count
Bobby Tyagi	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh Agra Uttar Pradesh-282005, India	India
Guru Ratan Satsangee	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra Uttar Pradesh-282005, INDIA	India
Abhishek Raj	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra Uttar Pradesh-282005, INDIA	India
Dheeraj Kumar Angajala	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra Uttar Pradesh-282005, INDIA	India
Ankit Sahai	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra Uttar Pradesh-282005, INDIA	India
Rahul Swarup Sharma	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra Uttar Pradesh-282005, INDIA	India

Applicant

Name	Address	Count
Bobby Tyagi	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh Agra Uttar Pradesh-282005, India	India
Guru Ratan Satsangee	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra Uttar Pradesh-282005, INDIA	India
Abhishek Raj	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra Uttar Pradesh-282005, INDIA	India
Dheeraj Kumar Angajala	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra Uttar Pradesh-282005, INDIA	India
Ankit Sahai	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra Uttar Pradesh-282005, INDIA	India
Rahul Swarup Sharma	Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra Uttar Pradesh-282005, INDIA	India

Abstract:

Despite the best tailoring, conventional PAA fabrication may not always adequately distribute stress between the damaged joints and the PAA. In order to prevent made PAA with variable flexibility and strength that can offer the amputee a correct fit and comfort is needed. This system includes a data contour acquisition system consisting of a 3D contour acquisition scanner (202), a PAA design system (102), an internal filling pattern variance system (103), an internal filling density variance system (105), and a Mat-Ex fabrication system (106) consisting of Mat-Ex fabricator (601) that is linked with the solid slicing system for accepting the designed model and fabricating a flexible PAA with variable strength (700) that conforms to the designed PAA model is included in the invention. This flexible PAA strength provides a better fit without using any belt or supporting system.

Complete Specification

FIELD OF THE INVENTION

A system for customizing prosthetic appendage attachment (PAA) with variable strength & flexibility is the subject of this invention. More specifically, the present invention is directed towards an innovative system for fabricating a PAA that includes a contour acquisition system for fetching contour acquisition coordinates, a PAA design system for manipulating those coordinates to obtain alignment and proper fit of PAA, internal filling pattern and density variance system for alteration of the internal structural features of the PAA, Solid slicing system which can convert the designed PAA into layers and send to the last unit of the system called Mat-Ex Fabrication System, which can then be fabricated out a finished customizable PAA made of thermoplastics, to adapt the internal structural features and alter the PAA with changeable strength and flexibility for a superior customized fit.

BACKGROUND OF THE INVENTION

Heavy industry, transportation, and military conflict mishaps are the root drivers of amputations in emerging economies, including vast segments of Africa. In more advanced economies, including Europe and North America, diseases like cancer, infection, and vascular

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