

Sl. No.	InPA SS Serarch	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YY YY)	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 GUHATHAKURATA 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	201911007481	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	202011014665	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	202011018294	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	202011019765	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	202011020521	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	202011038309	Dayalbagh Educational Institute
20		202011048692	Published	Anami Saggur, Guru Ratan Satsangee, Dr Ankit Sahai, Dr Rahul Swarup Sharma	Portable precision silent cooling system for storage of vaccine vials	Anami Saggur, Guru Ratan Satsangee, Dr Ankit Sahai, Dr Rahul Swarup Sharma	07-11-20	20-11-20	202011048692	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 .	lot 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	Dayalbagh Educational Institute
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	Dayalbagh Educational Institute
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	Dayalbagh Educational Institute
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. Vasanthapriya 10)Mr.Jayabalan Sivasamy	Intelligent fully autonomous quick waterless solar panel cleaning	Dr.Kedri Janardhana	20-02-21	26-02-21	09/2021	Dayalbagh Educational Institute
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	Dayalbagh Educational Institute
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	Dayalbagh Educational Institute

				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						
28		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 Mansotra 8)Dr. A. Nirmal Kumar 9)Dr. T. Vandarkuzhali 10)Dr. G. Ravivaman	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. Perarasi 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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Ministry of Commerce & Industry,  
Government of India

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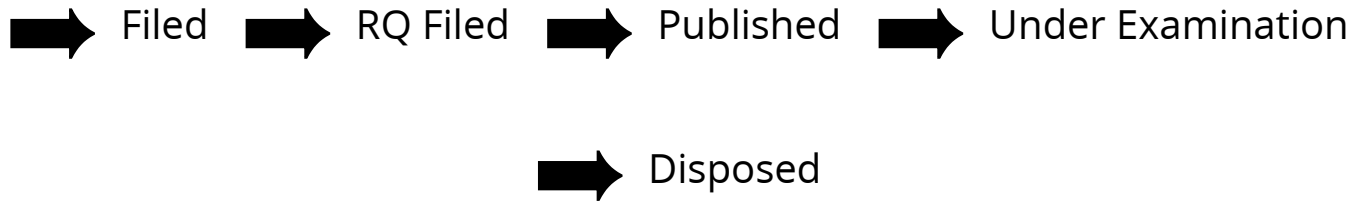
(<http://ipindia.nic.in/index.htm>)

#### Application Details

APPLICATION NUMBER	2926/DEL/2008
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/12/2008
APPLICANT NAME	<b>DAYAL BAGH EDUCATIONAL INSTITUTE,</b>
TITLE OF INVENTION	"A PHYSICO CHEMICAL PROCESS TO ENHANCE THE SORPTION EFFICIENCY OF <i>Leucaena leucocephala</i> SEED POWDER(LLSP)"
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	Isdavar@ndf.vsnl.net.in
E-MAIL (UPDATED Online)	delhi@Isdavar.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	<b>Granted Application, Patent Number :293876</b>
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[E-Register](#)[View Examination Report\(s\)](#)[View Documents](#)

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

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

#### Application Details

APPLICATION NUMBER	528/DEL/2011
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/02/2011
APPLICANT NAME	<b>DAYALBAGH EDUCATIONAL INSTITUTE</b>
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



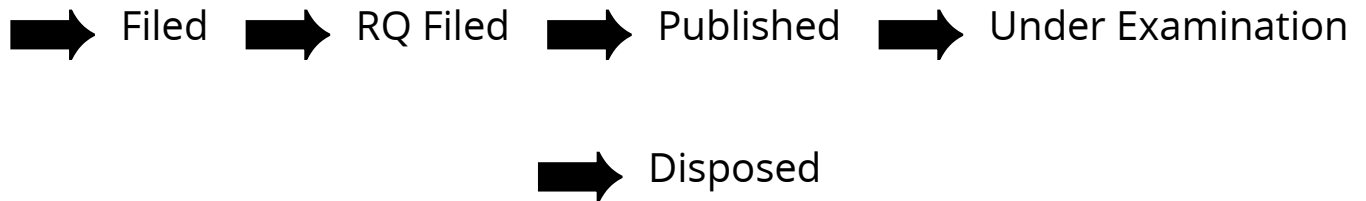
APPLICATION STATUS

**Granted Application, Patent Number  
:310364**

[E-Register](#)

[Order\(s\)/Decision\(s\)](#)

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PROPERTY INDIA**

PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA

पेटेंट कार्यालय  
THE PATENT OFFICE

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

क्रमांक : 011112141  
SL No :



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 अनुदत्त 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

*OKSupta*

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

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



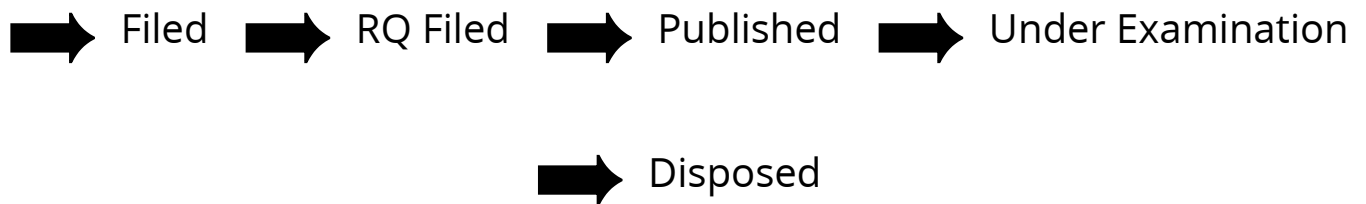
(<http://ipindia.nic.in/index.htm>)

#### 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)	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](#)

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सत्यमेव जयते

भारत सरकार  
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 REFINARY 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.

*OK Singh*

INTELLECTUAL  
Controller General of Patents, Designs and Trade Marks

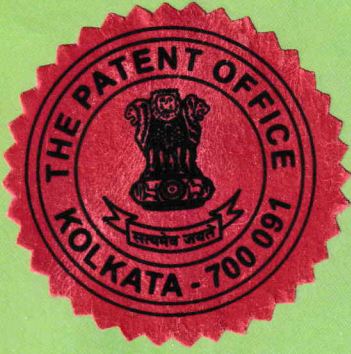
PROPERTY INDIA

\*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, DIST:



ORIGINAL

No. 95338

भारत सरकार  
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.

Controller General of Patents, Designs and Trade Marks

\*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.ipc@nic.in](mailto:controllerdesign.ipc@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

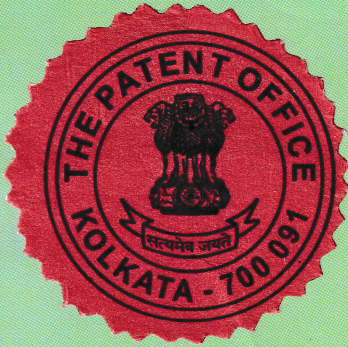
[Back \(/DesignApplicationStatus/\)](#)

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.ipc@nic.in](mailto:controllerdesign.ipc@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

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

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

INTELLECTUAL  
PROPERTY INDIA  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS

#### 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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## Application Details

**2021105408**

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

### BIBLIOGRAPHIC DATA

#### Application details

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

#### Applicant details

<b>Applicant</b>	DAYALBAGH EDUCATIONAL INSTITUTE	<b>Applicant address</b>	Uttar Pradesh 282005 India		
<b>Old name(s)</b>	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	Number	Filing date	Priority date
2021-08-13			

### SPECIFICATION/E-REGISTER

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

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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

## FEE/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

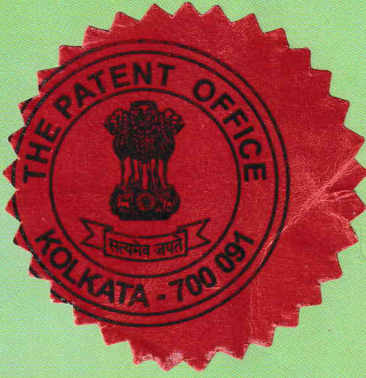
**New name** DAYALBAGH EDUCATIONAL INSTITUTE **Old name** Chellapilla, Patvardhan; Vuppuluri, Prem Prakash  
**Date of request** 2021-11-30 **Date of allowance of name change** 2021-12-16  
**Date published** 2022-01-06 **Reason** Request for Assignment

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## CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 348594-001  
Date 29/08/2021 22:02:28  
Reciprocity Date\*  
Country

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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 11/10/2021 10:48:19

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### Search Results

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

null quickSearch

	Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	First IPC mark
1	<a href="#">2021100592</a>	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

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

#### Applicant details

<b>Applicant</b>	Dayalbagh Educational Institute	<b>Applicant address</b>	Agra 282005 India		
<b>Old name(s)</b>					

#### 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

<b>Earliest priority date</b>	2021-01-29		
<b>Type</b>	<b>Number</b>	<b>Filing date</b>	<b>Priority date</b>

## SPECIFICATION/E-REGISTER

History of Published Specifications: Download Specification(AU-A4)

Explanation of  
Specification Codes

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## 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
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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
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2021-01-29	Description 29-01-2021 SPBI-0002466572	DESCRIPTION	FILED	8995
2021-01-29	Note Entlmnt 29-01-2021 SPBI-0002466572	NOTE ENTLMNT	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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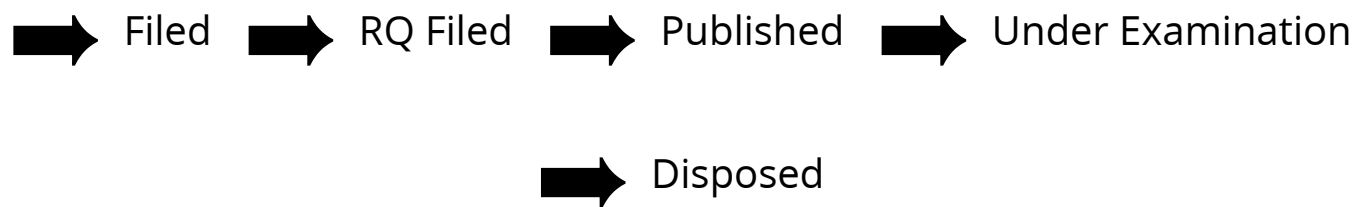
#### Application Details

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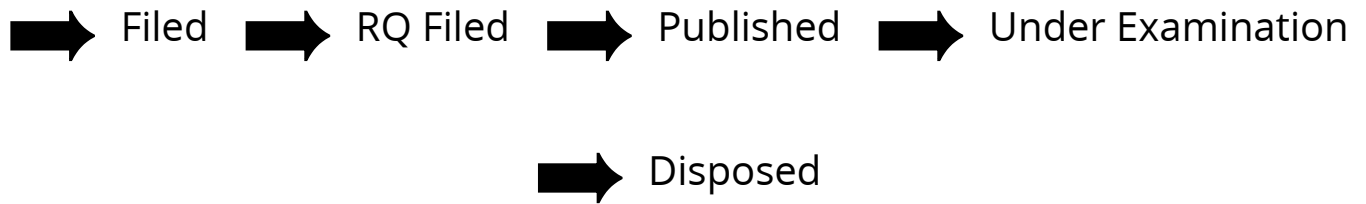
(<http://ipindia.nic.in/index.htm>)

#### 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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 Ministry of Commerce & Industry,  
 Government of India

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



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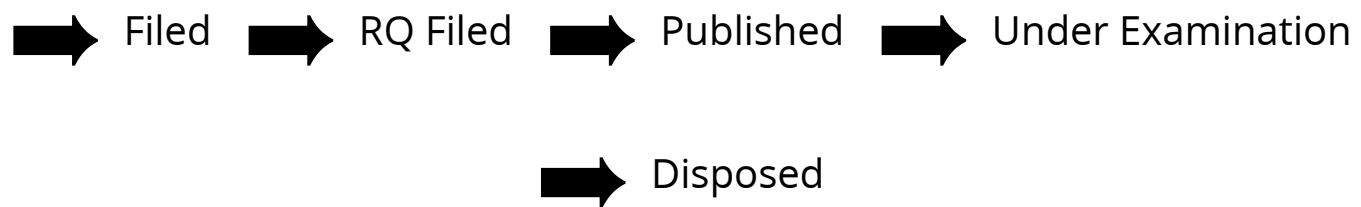
#### Application Details

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	<b>Reply Filed. Application in amended examination</b>
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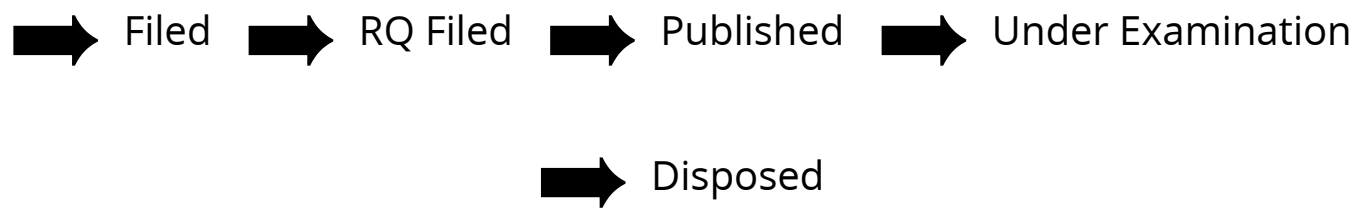
#### Application Details

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	<b>Reply Filed. Application in amended examination</b>
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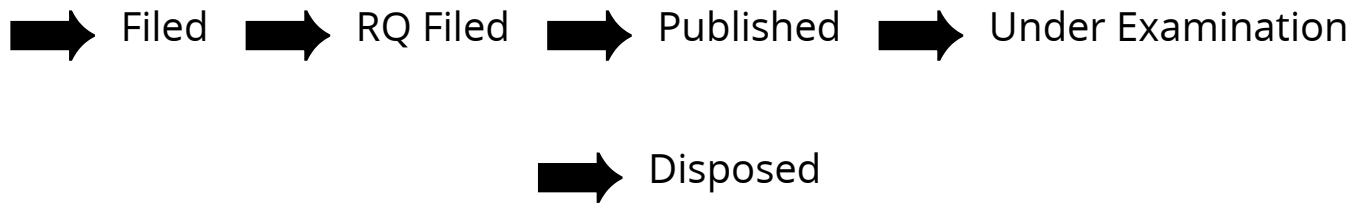


(<http://ipindia.nic.in/index.htm>)

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	<b>Reply Filed. Application in amended examination</b>

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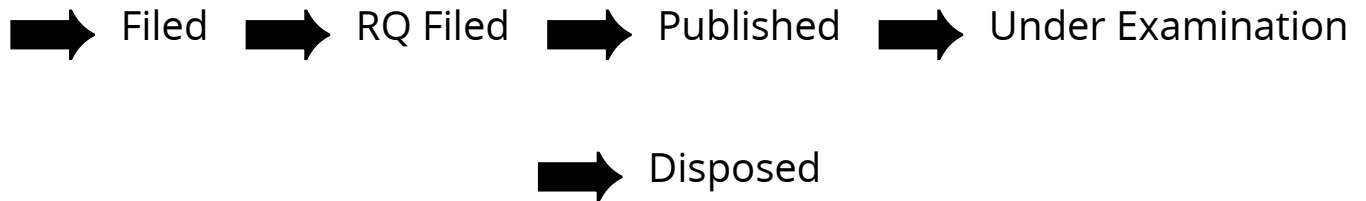
(<http://ipindia.nic.in/index.htm>)

#### 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

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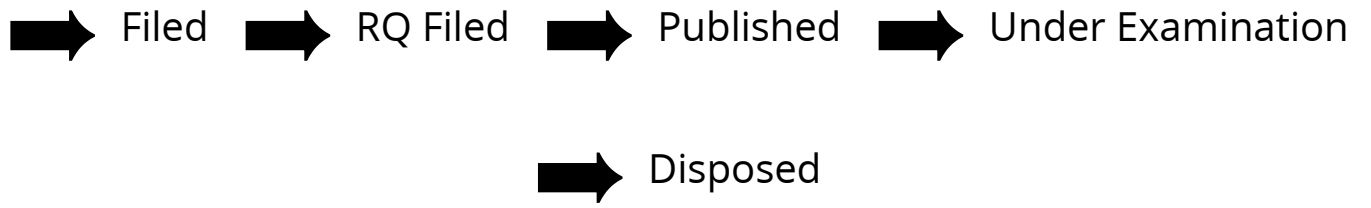
#### Application Details

APPLICATION NUMBER	202011020521
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/05/2020
APPLICANT NAME	1 . Er. PushendraYadav 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	<b>Reply Filed. Application in amended examination</b>
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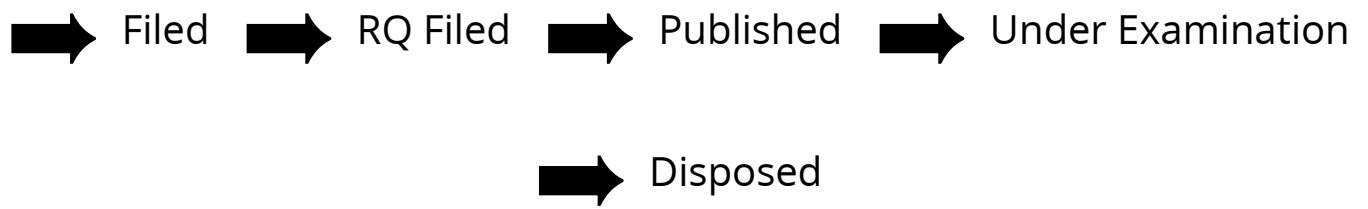
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#### Application Details

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	<b>Reply Filed. Application in amended examination</b>
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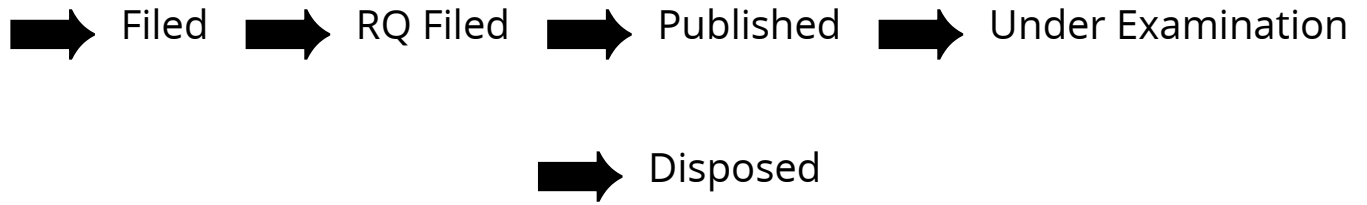
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APPLICATION NUMBER	202011048692
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/11/2020
APPLICANT NAME	1 . ANAMI SAGGAR 2 . GURU RATAN SATSANGEE 3 . DR. ANKIT SAHAI 4 . DR. RAHUL SWARUP SHARMA
TITLE OF INVENTION	PORTABLE PRECISION SILENT COOLING 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	<b>FER Issued, Reply not Filed</b>
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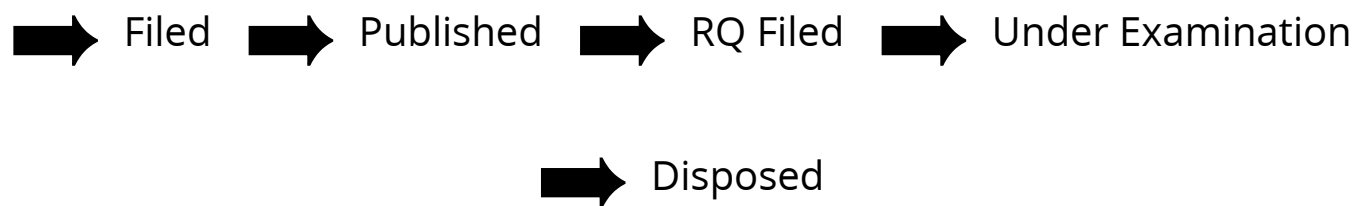
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#### Application Details

APPLICATION NUMBER	202111004303
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Jayabalan Sivasamy 3 . Dr.Neelakandeswari Natarajan 4 . Dr.Yogambal Jayalakshmi Natarajan 5 . Koteswaran 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	<b>Awaiting Request for Examination</b>
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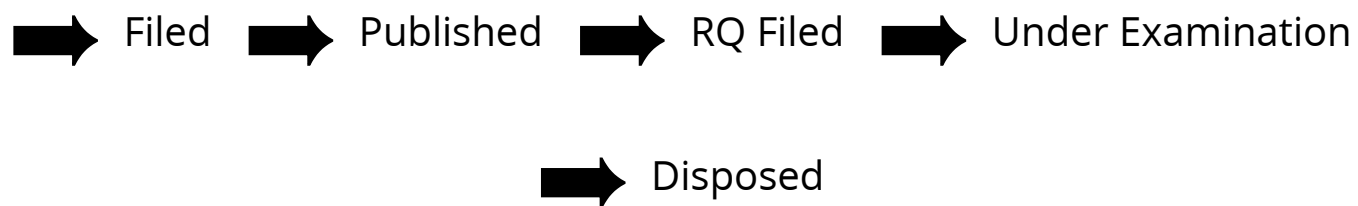
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#### Application Details

APPLICATION NUMBER	202111004715
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.T.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	<b>Awaiting Request for Examination</b>
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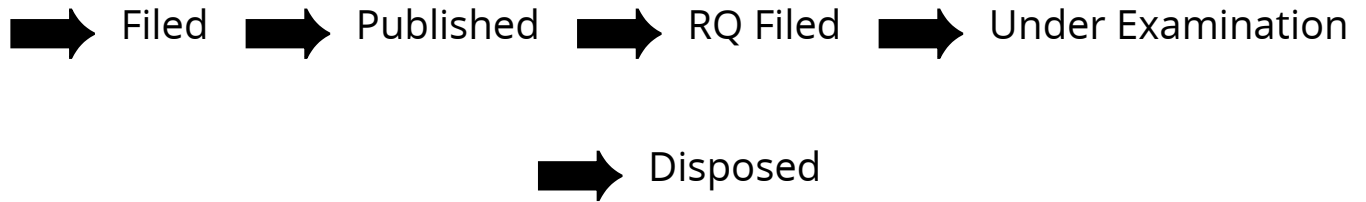
#### Application Details

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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

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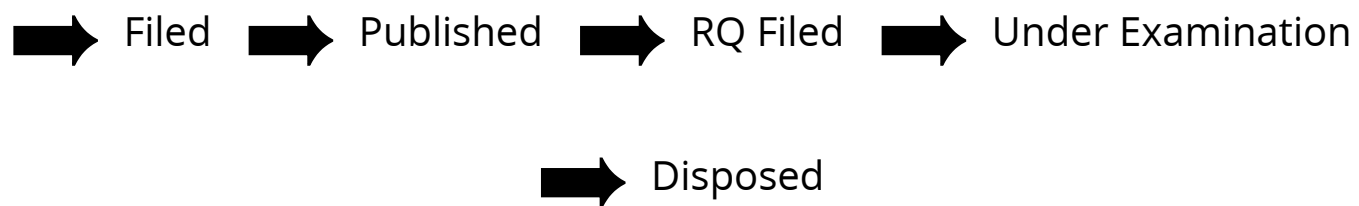
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(<http://ipindia.nic.in/index.htm>)

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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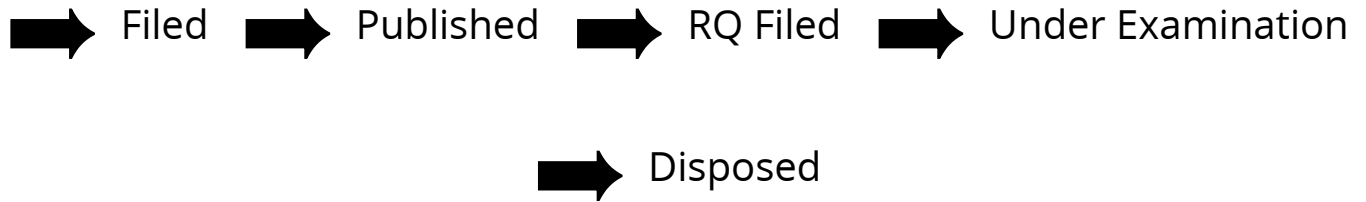
#### Application Details

APPLICATION NUMBER	202111007211
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/02/2021
APPLICANT NAME	<ol style="list-style-type: none"> <li>1 . Dr.Kedri Janardhana</li> <li>2 . Mr. C. S. Sundar Ganesh</li> <li>3 . Dr.M.Jagadeesh kumar</li> <li>4 . Mr.G.G.Muthukumar</li> <li>5 . Dr. N. Yogambal Jayalakshmi</li> <li>6 . Dr.R.Arul Jose</li> <li>7 . Dr. K. Uthayarani</li> <li>8 . Dr. M. Chitra</li> <li>9 . Mrs. R. Vasanthapriya</li> <li>10 . Mr.Jayabalan Sivasamy</li> </ol>
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

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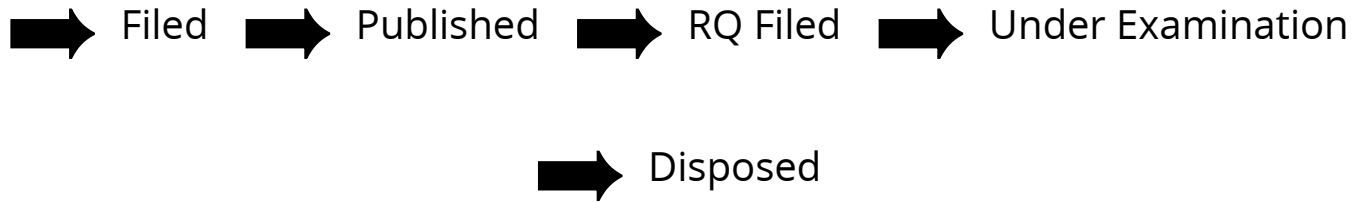
#### Application Details

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

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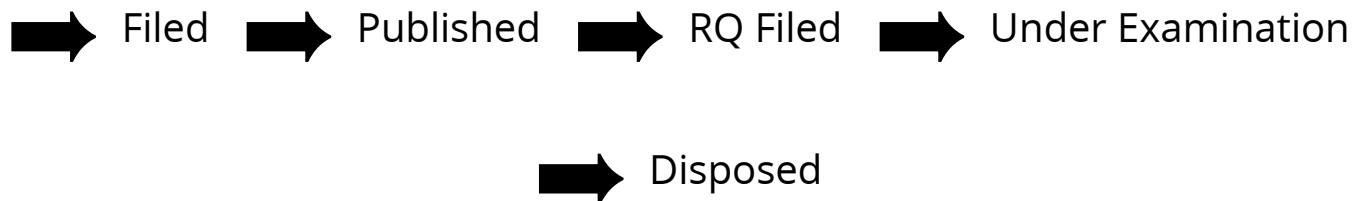
Application Details	
APPLICATION NUMBER	202111008211
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.V. Elizabeth Jesi 3 . M.Vijayaragavan 4 . Dr. SHOIEB AHAMED 5 . Mr.Rajendirakumar 6 . Mr.P.Rajasekar 7 . Ms. K. REKHA 8 . Dr.A.Nirmal Kumar 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

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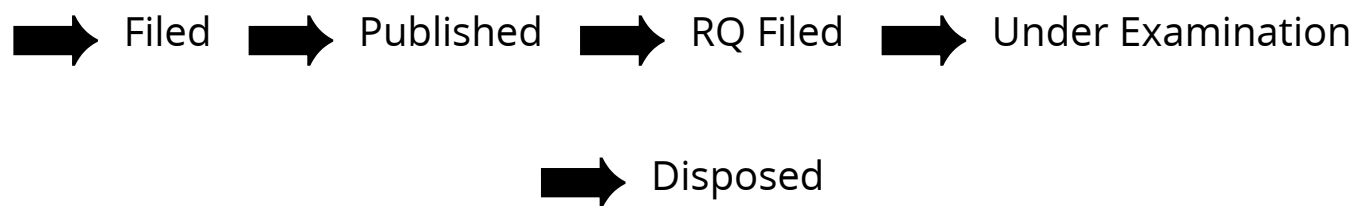
(<http://ipindia.nic.in/index.htm>)

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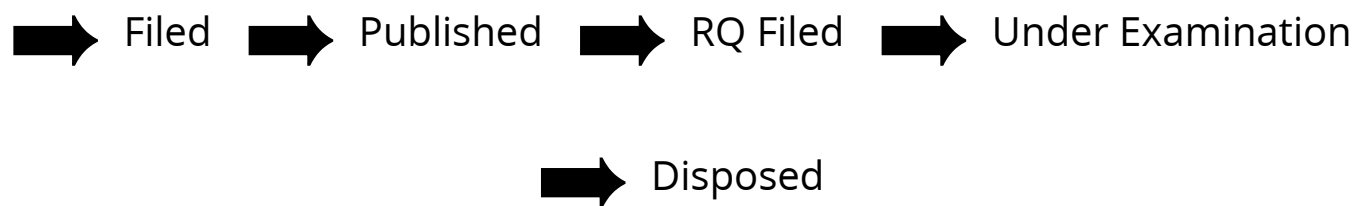
(<http://ipindia.nic.in/index.htm>)

#### 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	<b>Awaiting Request for Examination</b>
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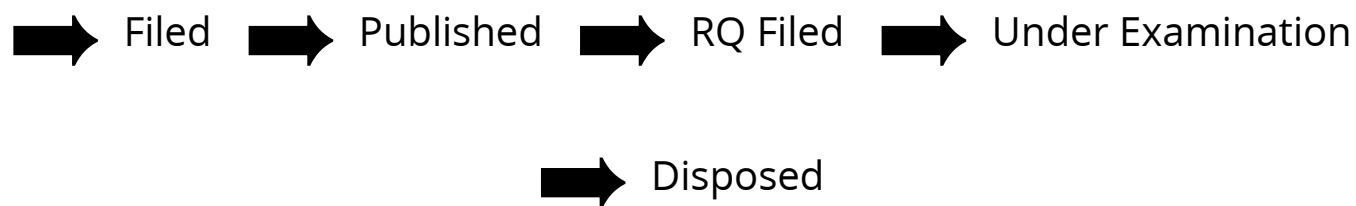
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APPLICATION NUMBER	202111012231
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.T.Vinoth Kumar 3 . M.Vijayaragavan 4 . Mr.T.Senthil Kumar 5 . Mr.B.Gopinath 6 . Dr. K. Rajeshwar Rao 7 . Mr.K. 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	<b>Awaiting Request for Examination</b>
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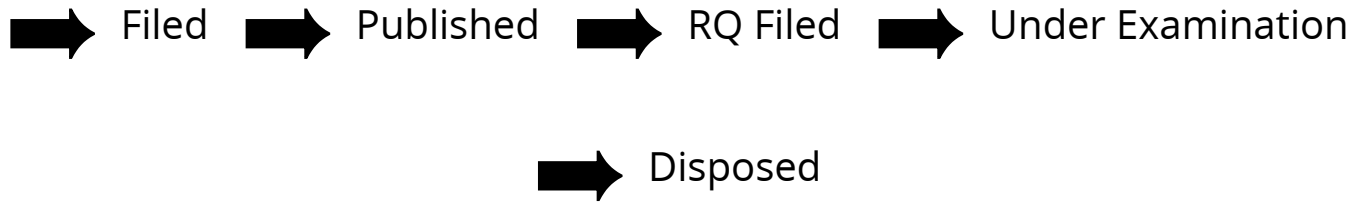
#### Application Details

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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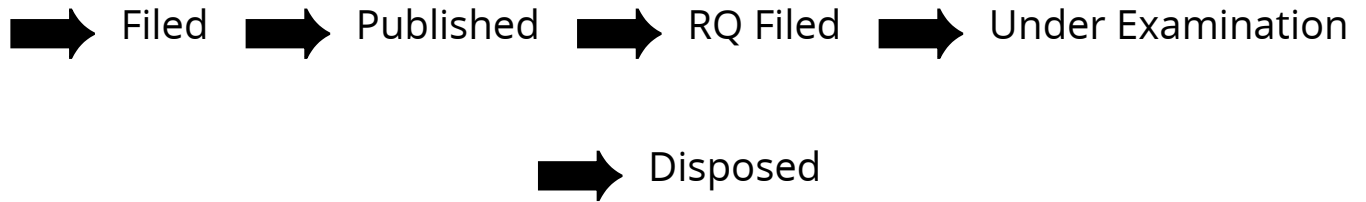
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Application Details	
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APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/04/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mrs.Indhumathi G 3 . Dr. K. Rajeshwar Rao 4 . Dr. S. Vijayalakshmi 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

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## Search Results

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null quickSearch

	Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	First IPC mark
1	<a href="#">2021104261</a>	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**

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### BIBLIOGRAPHIC DATA

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#### Application details

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

#### Applicant details

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

#### IPC details

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

#### Priority details

<b>Earliest priority date</b>	2021-07-16		
<b>Type</b>	<b>Number</b>	<b>Filing date</b>	<b>Priority date</b>

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### SPECIFICATION/E-REGISTER

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History of Published Specifications: Download Specification(AU-A4)

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**EDOSSIER**

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

**LIFECYCLE 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**

**Note: Provide your Institution's Patent details (Only Utility Patents) Discipline-wise as applied for NIRF Ranking each in Separate List/Table (Only Published & Granted during 2019 – 2021 year-wise) strictly in this provided format, and clearly write/mention the Discipline & Institute ID above the List/Table as prescribed. Details of the Design, Trademarks, or Copyrights, and only Filed Patents must be avoided. Those details should not be entered or provided in the list below as those won't be considered for the ranking. Patent details must be submitted along with all the source proofs (attached) like screenshots, pdf, image file from databases like InPASS, WIPO, USPTO, Espacenet, Derwent Innovation, etc. and direct URL/Website links, etc.**

Discipline Name applied for NIRF2023 Ranking: **IR\_ENGINEERING**

Institute ID: **U-0507**

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)
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
17	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	02-04-2020	08-05-2020	202011014665	Dayalbagh Educational Institute	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
18	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	29-04-2020	19-06-2020	202011018294	Dayalbagh Educational Institute	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
19	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	11-05-2020	19-06-2020	202011019765	Dayalbagh Educational Institute	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>



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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
27	202111004303	Published	1 . Dr.Kedri Janardhana 2 . Jayabalan Sivasamy 3 . Dr.Neelakandeswari Natarajan 4 . Dr.Yogambal Jayalakshmi Natarajan 5 . Koteswaran 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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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.Vijayaragavan	A SYSTEM AND METHOD FOR WILDLIFE SURVEILLANCE USING DEEP LEARNING	Dr.Kedri Janardhana	06-02-2021	12-02-2021	07/2021	Dayalbagh Educational Institute	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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. Uthayarani 8)Dr. M. Chitra 9)Mrs. R. Vasanthapriya 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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
32	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	26-02-2021	05-03-2021	10/2021	Dayalbagh Educational Institute	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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 Mansotra 8)Dr.A.Nirmal Kumar 9)Dr.T.Vandarkuzhali 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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
34	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	22-03-2021	26-03-2021	13/2021	Dayalbagh Educational Institute	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
35	202111013094	Published	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)JUMA 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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>

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.
37	202111009492	Published	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	AI BASED E-VEHICLE BATTERY POWER MANAGEMENT SYSTEM	Dr.Kedri Janardhana	27-04-2021	30-04-2021	18/2021	Dayalbagh Educational Institute	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
42	202211022914	Published	Abhishek Raj, Pushendra Yadav, Ankit Sahai, Rahul Swarup Sharma	Method and System for In-Situ fabrication of carbon nanotubes blended thermoplastic parts	Abhishek Raj, Pushendra Yadav, Ankit Sahai, Rahul Swarup Sharma	19-04-2022	29-04-2022	17/2022	Dayalbagh Educational Institute	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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 APLICATION	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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>
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	<a href="https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405">https://www.dei.ac.in/dei/index.php?option=com_content&amp;view=article&amp;id=835&amp;Itemid=405</a>

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## 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

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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 free path for movement of the robot to reach to 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

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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 inventor 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 this 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 da 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 h. 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 effect 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 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 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

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Prof. P K Singhal	MITG Gwalior, Madhya Pradesh- 474005, India	India	In
Mr. Anshuman Singh	Noida Institute of Engineering and Technology, Greater Noida, Uttar Pradesh 201306, 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 the 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 MO 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 long 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 therefor. 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 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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## Patent Search

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

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Anshul Agarwal	15 Deep Enclave Dayalbagh Agra	India	India

### Applicant

Name	Address	Country	Nationality
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### 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:

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

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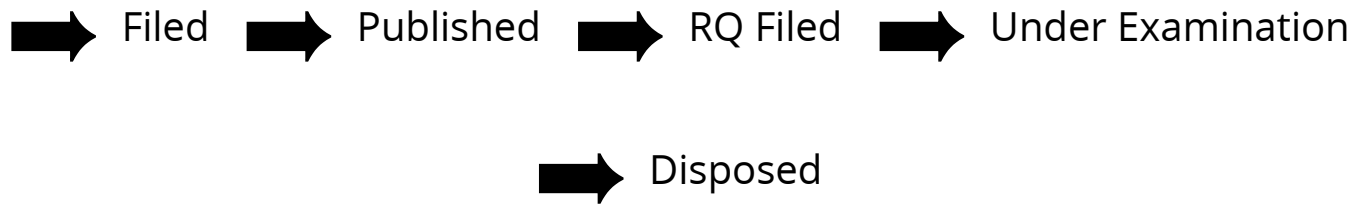
#### Application Details

APPLICATION NUMBER	201811008971
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/03/2018
APPLICANT NAME	<b>BRAHMA SWARUP GUPTA</b>
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.trademark@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	<b>Reply Filed. Application in amended examination</b>
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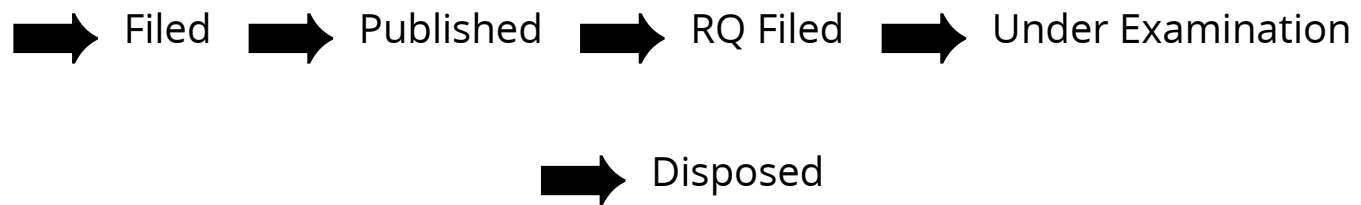
#### Application Details

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	<b>Application Awaiting Examination</b>
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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

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**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 prediction 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 avoid problems and achieve better-informed decision-making and planning are important general issues an extensive panorama of inventions and approaches in smart 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. Concentrate 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

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### Applicant

Name	Address	Country	Na
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### 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 basec part, on charge carrier concentration in the plant growth medium (106). The apparatus (100) includes a computing device (116) configured to compute a decision sco 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 5 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 10 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 15 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

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### 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) that attains a resonant mode. The apparatus (100) includes a computing device (118) trained with a training data to perform a quantitative and an 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, 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

10 [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 15 hologram-print or QR-code based techniques), there have been frequent occurrences of sale of life-style related drugs online without any prescription from certified medical practitioners.

[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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THE PATENT OFFICE

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

क्रमांक : 011111449  
SL No :



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 अनुदत्त 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.

**INTELLECTUAL  
PROPERTY INDIA**  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS



*OkSupta*

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



सत्यमेव जयते

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 अनुदत्त 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

*OKSupta*

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:

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## 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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#### 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:

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## Search Results

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

null quickSearch

	Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	First IPC mark
1	<a href="#">2021100592</a>	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**

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

**Applicant details**

<b>Applicant</b>	Dayalbagh Educational Institute	<b>Applicant address</b>	Agra 282005 India
<b>Old name(s)</b>			

**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**

<b>Earliest priority date</b>	2021-01-29		
<b>Type</b>	<b>Number</b>	<b>Filing date</b>	<b>Priority date</b>

## 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 ENTLMNT	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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## 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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 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)	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

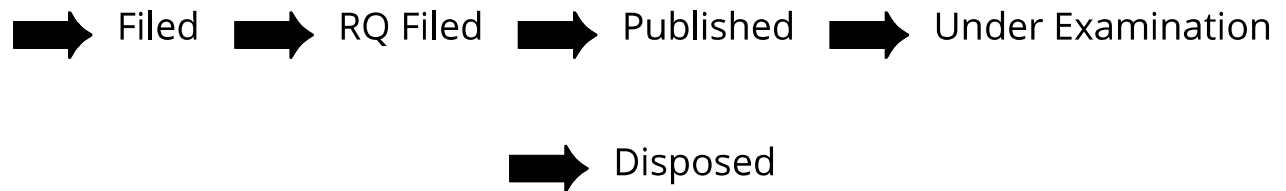
APPLICATION STATUS

**Granted Application, Patent Number :373104**

E-Register

Order(s)/Decision(s)

View Documents



In case of any discrepancy in status, kindly contact [ipo-helpdesk@nic.in](mailto: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

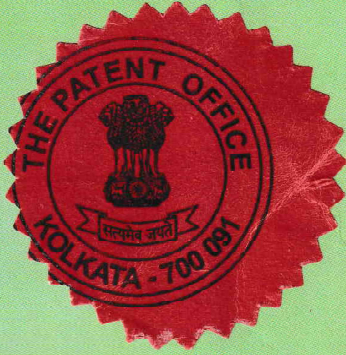
[Back \(/DesignApplicationStatus/\)](#)

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Design Office, Kolkata : [controllerdesign.ipo@nic.in](mailto:controllerdesign.ipo@nic.in)

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ORIGINAL

No. 103411

भारत सरकार  
GOVERNMENT OF INDIA

THE PATENT OFFICE  
CERTIFICATE OF REGISTRATION OF DESIGN

2021105408

Design No. 1  
Date 11/10/2021 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.

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 11/10/2021 10:48:19

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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

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

Applicant details

<b>Applicant</b>	DAYALBAGH EDUCATIONAL INSTITUTE	<b>Applicant address</b>	Uttar Pradesh 282005 India		
<b>Old name(s)</b>	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

<b>Earliest priority date</b>	2021-08-13		
<b>Type</b>	<b>Number</b>	<b>Filing date</b>	<b>Priority date</b>

**SPECIFICATION/E-REGISTER**

History of Published Specifications:

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Explanation of Specification Codes

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## E D O S S I E R

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

## L I F E C Y C L E   D E T A I L S

## Acceptance details

Acceptance date 2021-11-05

## Granting details

Deferment of granting No Granting date 2021-11-10 Granted published date 2021-11-25

## F E E / P U B L I C A T I O N   H I S T O R Y

## Continuation/Renewal fee history

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

## 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		

## O W N E R S H I P   D E T A I L S

## 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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सत्यमेव जयते

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.



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 :

## 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](mailto:controllerdesign.ipo@nic.in)

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## 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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 Ministry of Commerce & Industry,  
 Government of India

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



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

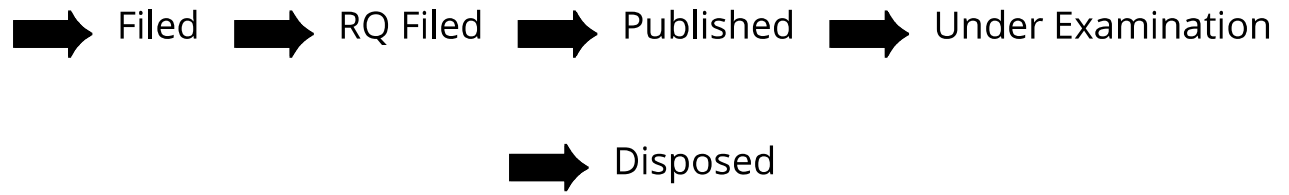
#### Application Details

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	<b>Reply Filed. Application in amended examination</b>
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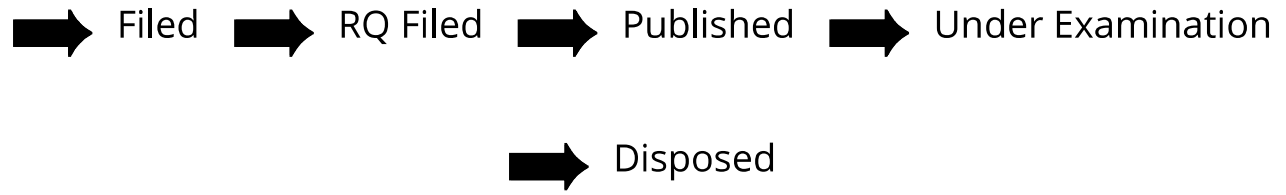
#### Application Details

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	<b>Reply Filed. Application in amended examination</b>
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#### Application Details

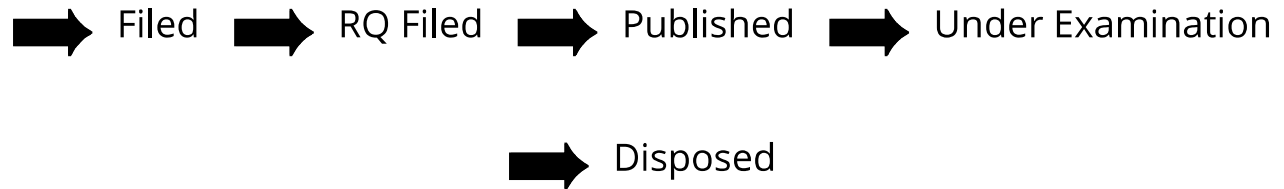
APPLICATION NUMBER	202011019765
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/05/2020
APPLICANT NAME	1 . Er. Shailendra Shakya 2 . Shivam Gautam 3 . Sumit Agarwal 4 . Saurabh Bhardwaj 5 . Prashant Pachauri 6 . Er. Pushpendra Yadav 7 . Er. Ishant Singhal 8 . Dr. Ankit Sahai 9 . Dr. Rahul Swarup 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

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#### Application Details

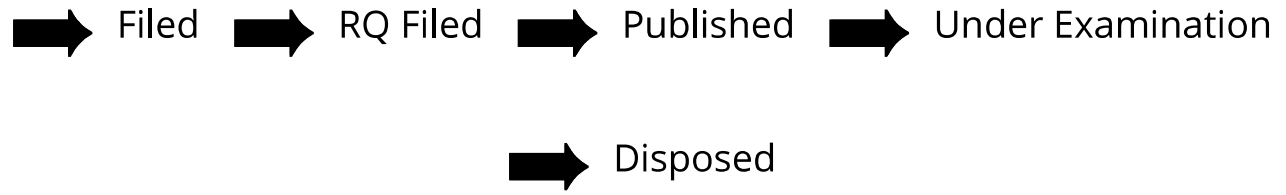
APPLICATION NUMBER	202011020521
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/05/2020
APPLICANT NAME	1 . Er. PushpendraYadav 2 . Saurabh Bhardwaj 3 . Shivam Gautam 4 . Dr. Ankit Sahai 5 . Dr Rahul Swarup Sharma
TITLE OF INVENTION	FUSED MATERIAL DEPOSITION SYSTEM FOR PRODUCING RAPID PATTERNS
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	<b>Reply Filed. Application in amended examination</b>
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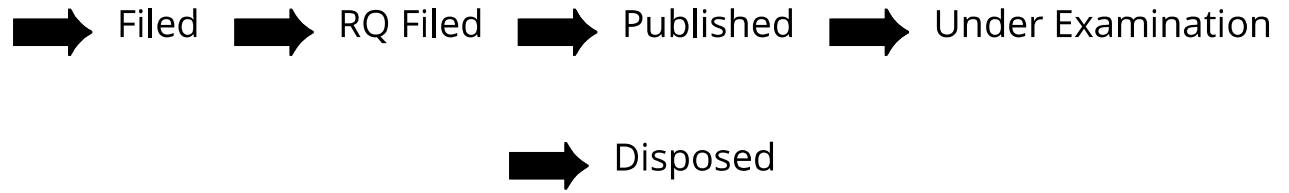
#### Application Details

APPLICATION NUMBER	201911002264
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/01/2019
APPLICANT NAME	<b>DAYALBAGH EDUCATIONAL INSTITUTE</b>
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	<b>Reply Filed. Application in amended examination</b>
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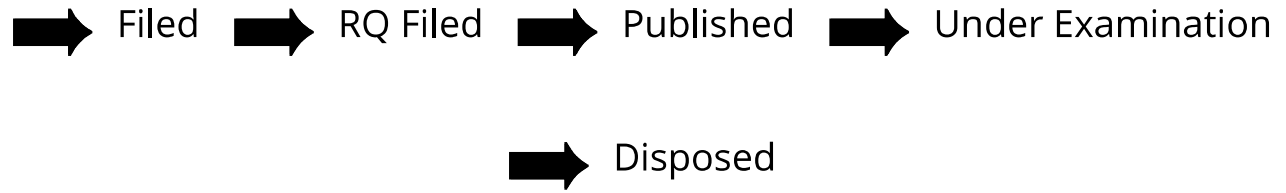
#### Application Details

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	<b>Reply Filed. Application in amended examination</b>
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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)	B33Y0010000000, B33Y0030000000, 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 are 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) and 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 motor (102), 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 nozzle (204).
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 along X, Y and Z 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 to rotate the threaded rod (104) and the smooth rod (202) and the plunger (203) and the nozzle (204) along X, Y and Z direction.

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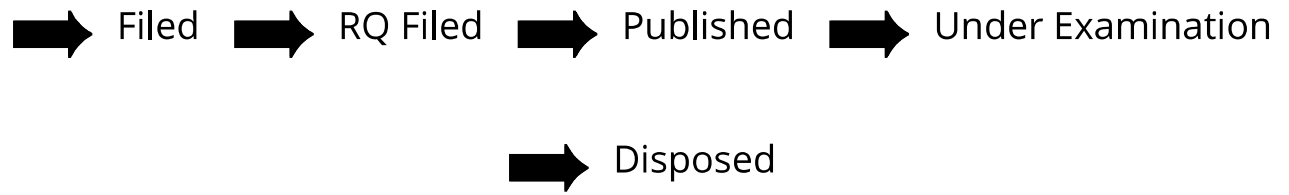
#### Application Details

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	<b>FER Issued, Reply not Filed</b>
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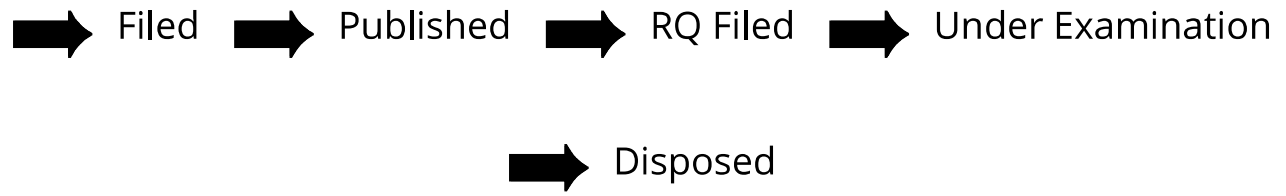
#### Application Details

APPLICATION NUMBER	202111004303
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . 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.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	<b>Awaiting Request for Examination</b>
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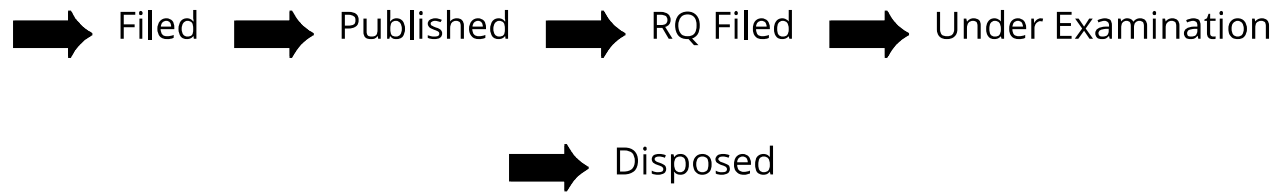
#### Application Details

APPLICATION NUMBER	202111004715
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.T.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	<b>Awaiting Request for Examination</b>
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 Ministry of Commerce & Industry,  
 Government of India

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#### Application Details

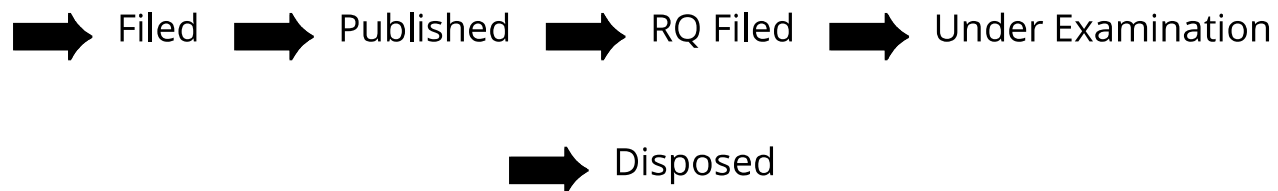
APPLICATION NUMBER	202111005159
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr. Rajeev Gupta 3 . Vivek Bhatnagar 4 . Gulbir Singh 5 . Gautam Kumar 6 . Dr R Rajeswari 7 . SHINI RENJITH 8 . Saravanan D 9 . Dr.D.Stalin David 10 . M.Vijayaragavan
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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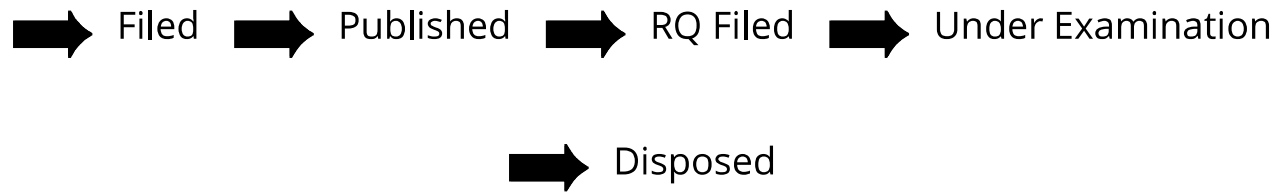
#### Application Details

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	<b>Awaiting Request for Examination</b>
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#### Application Details

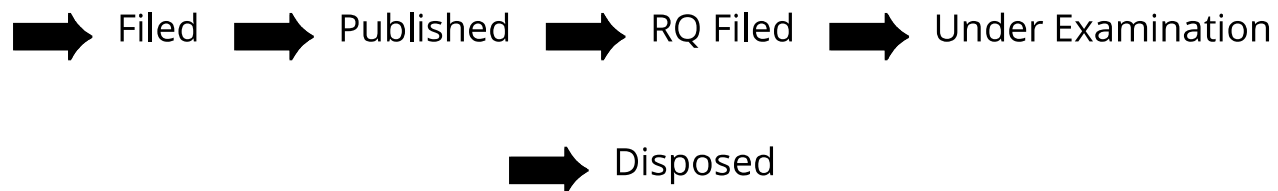
APPLICATION NUMBER	202111007211
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mr. C. S. Sundar Ganesh 3 . Dr.M.Jagadeesh kumar 4 . Mr.G.G.Muthukumar 5 . Dr. N. Yogambal Jayalakshmi 6 . Dr.R.Arul Jose 7 . Dr. K. Uthayarani 8 . Dr. M. Chitra 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

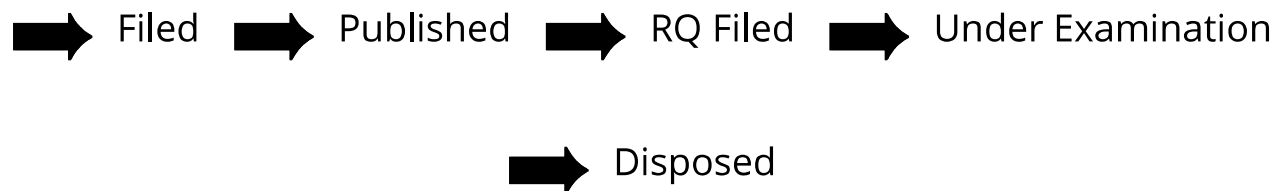
APPLICATION NUMBER	202111008211
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/02/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Dr.V. Elizabeth Jesi 3 . M.Vijayaragavan 4 . Dr. SHOIEB AHAMED 5 . Mr.Rajendirakumar 6 . Mr.P.Rajasekar 7 . Ms. K. REKHA 8 . Dr.A.Nirmal Kumar 9 . Dr. M. Rajalakshmi 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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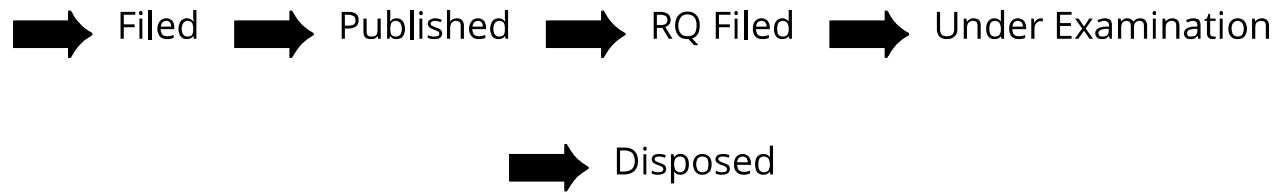
#### Application Details

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	<b>Awaiting Request for Examination</b>
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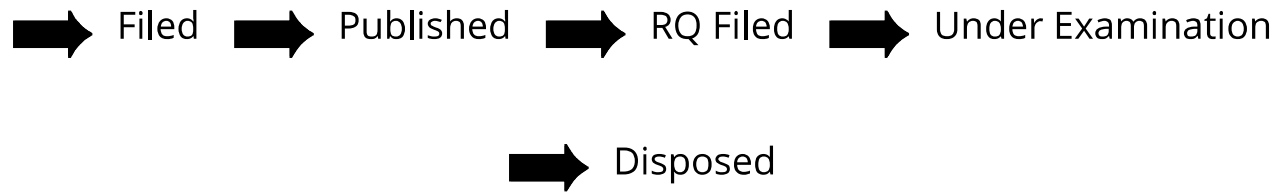
#### Application Details

APPLICATION NUMBER	202111012231
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/03/2021
APPLICANT NAME	<ol style="list-style-type: none"> <li>1 . Dr.Kedri Janardhana</li> <li>2 . Dr.T.Vinoth Kumar</li> <li>3 . M.Vijayaragavan</li> <li>4 . Mr.T.Senthil Kumar</li> <li>5 . Mr.B.Gopinath</li> <li>6 . Dr. K. Rajeshwar Rao</li> <li>7 . Mr.K. Venkateshwar Rao</li> <li>8 . Dr.D.Stalin David</li> <li>9 . Mr.B.Ashok</li> <li>10 . Dr. Yogambal Jayalakshmi Natarajan</li> </ol>
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	<b>Awaiting Request for Examination</b>
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#### Application Details

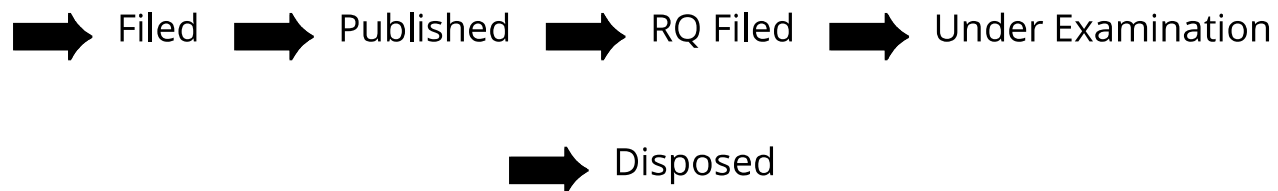
APPLICATION NUMBER	202111013094
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/03/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mr.A .Richard Pravin 3 . Allwyn Gnanadas. A 4 . M.Vijayaragavan 5 . Mrs M.Perarasi 6 . Dr. K. Rajeshwar Rao 7 . Dr.T.Vinoth Kumar 8 . Issakki Raja.P 9 . Muneeswaran.R 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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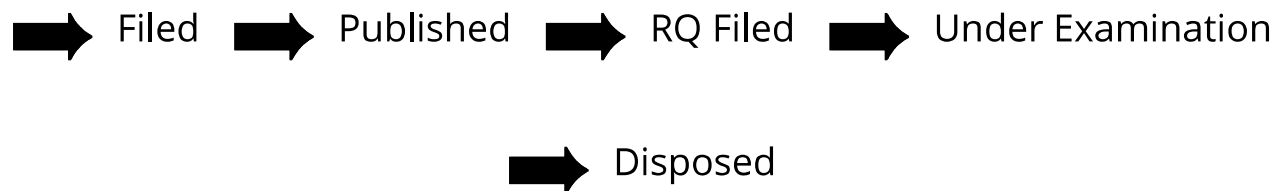
Application Details	
APPLICATION NUMBER	202111015818
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/04/2021
APPLICANT NAME	1 . Dr.Kedri Janardhana 2 . Mrs.Indhumathi G 3 . Dr. K. Rajeshwar Rao 4 . Dr. S. Vijayalakshmi 5 . Mr.S.Vivekanandan 6 . Prof. Dharamvir 7 . Mr. R G Padmanabhan 8 . DR.L.Arokia 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

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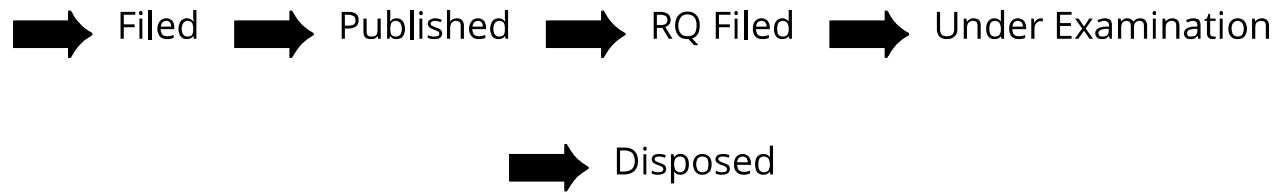
#### Application Details

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.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	<b>Awaiting Request for Examination</b>
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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	<a href="#">2021104261</a>	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**

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

**Applicant details**

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

**IPC details**

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

**Priority details**

<b>Earliest priority date</b>	2021-07-16		
<b>Type</b>	<b>Number</b>	<b>Filing date</b>	<b>Priority date</b>

**SPECIFICATION/E-REGISTER**



History of Published Specifications: Download Specification(AU-A4)

Explanation of  
Specification Codes

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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

**LIFECYCLE 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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#### 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	<b>FER Issued, Reply not Filed</b>
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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	<b>Reply Filed. Application in amended examination</b>
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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	<b>Awaiting Request for Examination</b>
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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

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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
PushpendraYadav	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 polymer 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. Traditionally,

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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 APLICATION
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
PUBLICATION DATE (U/S 11A)	24/06/2022

#### Application Status

APPLICATION STATUS

**Application Awaiting Examination**

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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

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#### 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 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 solid slicing 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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