Patent Filing records

Name	Dept	Patent filing no.	Date of application	Title of the patent	Status
DR. (PROF) SRIKANTA	ECE	814/KOL/2013	09/07/2013	AN ULTRA-WIDEBAND ANTENNA AND	Grant on
PAL <mark>MRINMOY</mark>				PROCESS OF FABRICATION OF THE	26/10/22
CHAKRABORTY and				ANTENNA	
BIRLA INSTITUTE OF					
TECHNOLOGY	EE	202031036378	24/08/2020	A SOLAR POWERED AUTOMATED SEED	Published and
Dr. D. Sinha, Chaity	EE	202031030378	24/08/2020		
<mark>Sarkar, Kingsuk</mark> <mark>Majumdar</mark>				SOWING BOT	FER submitted
Dr. R. Banerjee Manash	ECE	202031024063	09/06/2020	METHODS AND DISINFECTION	Published
K Paul, Pulakesh Roy,				EQUIPMENT FOR RESPIRATORS AND	
				PERSONAL PROTECTIVE EQUIPMENT	
Dr. R. Banerjee Suman	ECE	202131022335	29/10/2021	A REAL TIME DATA LOGGER TO MONITOR	Published
Halder, <mark>Arindam</mark>				BATTERY STATE OF HEALTH	
M ondal					
Arindom Mondal,	ECE		17/10/2022	AN IoT BASED MULTI CHANNEL DATA	Published
Suman Halder, <mark>Dr. R.</mark>		202231059097		LOGGER TO MONITOR	
Banerjee				BATTERY STATE OF HEALTH OF BATTERY	
				OPERATED VEHICLES	
Dr. Dola Sinha, Mr.	EE &	202231070943	08-12-2022	A FUZZY LOGIC OPERATED AUTOMATIC	Filled
<mark>Kingsuk</mark>	CSE			EGG INCUBATING SYSTEM	(applied for
Majumdar, Ms.					publication)
Suchismita Dutta, Mr.					
Dipnarayan Das, Mr.					
Sovan Bhattacharya					





भारत सरकार GOVERNMENT OF INDIA पेटेंट कार्यालय THE PATENT OFFICE पेटेंट प्रमाणपत्र PATENT CERTIFICATE (Rule 74 of The Patents Rules) क्रमांक : 033121806 SL No :



पेटेंट सं. / Patent No. : 409866

आवेदन सं. / Application No. : 814/KOL/2013

फाइल करने की तारीख / Date of Filing : 09/07/2013

पेटेंटी / Patentee : 1.DR. (PROF) SRIKANTA PAL 2.MRINMOY

CHAKRABORTY 3.BIRLA INSTITUTE OF TECHNOLOGY

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित AN ULTRA-WIDEBAND ANTENNA AND PROCESS OF FABRICATION OF THE ANTENNA नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जुलाई 2013 के नौवें दिन से बीस वर्ष की अविध के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled AN ULTRA-WIDEBAND ANTENNA AND PROCESS OF FABRICATION OF THE ANTENNA as disclosed in the above mentioned application for the term of 20 years from the 9th day of July 2013 in accordance with the provisions of the Patents Act,1970.

ROPERTY INDIA IS I DESIGNATINA DE MARIAS

अनुदान की तारीख Date of Grant:

26/10/2022

Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, जुलाई 2015 के नौवें दिन को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 9th day of July 2015 and on the same day in every year thereafter.



ANJAN SEN & ASSOCIATES

PATENT & TRADE MARK ATTORNEYS

17, Chakraberia Road (South), Kolkata – 700 025, India. Tele: + 91 33 2474 9871/46027567, Fax: +91 33 2486 8693 E-mail:anjanonline@bsnl.in; info@ipindiaasa.com

Consultation Centre: -

207, Canal Street, Kolkata – 700 048, India Telephone: +91 33 25345337

Specializing in Intellectual Property Laws: Patents, Trade Marks, Designs, Copyright Registrations & Enforcement: Indian & Foreign

Dr. Dola Sinha
Department of Electrical Engineering,
Dr. B. C. Roy Engineering College, Durgapur,
India, PIN-713206.

16th August, 2021

Dear Sir,

Re:

Patent Application no. 202031036378 Dated 24-08-2020 in India entitled "A SOLAR POWERED AUTOMATED SEED SOWING BOT" in the names of Dr. Dola Sinha, Dr. Chaity Sarkar, Mr. Kingsuk

Majumdar & Ms. Suchismita Dutta.

Our Ref.: 4163/ASA/PP-3169/DS

We are pleased to confirm that pursuant to your instruction vide e-mail dated 13th August, 2021 approving the draft Complete Specification, we have prepared and filed the subject Patent Application at the Patent Office by online filing on 16th August, 2021 and the as filed copies along with Official e-receipt are attached herewith for your kind perusal and records.

The next action of the subject application is the filing of Request for Examination which should be filed any time within 48 months from the date of priority of the application (provisional filing having date of filling of 24.08.2020), i.e. within the due date of 24.08.2024 and on which we shall await your further instructions. Please note that failure to file the Request for Examination by the said due date will allow the said application to lapse and be treated as ABANDONED.

In case you wish to incorporate the names of inventors in the patent certificate, a request should be filed in prescribed manner with applicable fees at any stage before the grant. You may advise us accordingly.

We shall keep you informed of the developments related to the subject application in due course. Our related invoice on attending to the above Completion after Provisional shall follow through our Accounts Dept. in due course

With Regards,

Yours Sincerely,

D.P. Sengupta

Enclo: As stated above.

FORM 5

THE PATENTS ACT, 1970 (39 of 1970)

THE PATENTS RULES, 2003

DECLARATION AS TO INVENTORSHIP

[See Section 10(6) and rule 13(6)]

1. We, Dr. Dola Sinha; An Indian National; Department of Electrical Engineering, Dr. B. C. Roy Engineering College, Durgapur, India, PIN-713206; Dr. Chaity Sarkar; An Indian National; Department of Electrical Engineering, Dr. B. C. Roy Engineering College, Durgapur, India, PIN-713206; Mr. Kingsuk Majumdar; An Indian National; Department of Electrical Engineering, Dr. B. C. Roy Engineering College, Durgapur, India, PIN-713206; Ms. Suchismita Dutta; An Indian National; Department of Electrical Engineering, Dr. B. C. Roy Engineering College, Durgapur, India, PIN-713206; hereby declare that the true and first inventor of the invention disclosed in the complete specification filed in pursuance of our application numbered 202031036378 dated 24.08.2020 are:

2. INVENTOR(S):

(a)Name:

Dr. Dola Sinha;

Nationality:

An Indian National.

Address:

Department of Electrical Engineering,

Dr. B. C. Roy Engineering College, Durgapur, India, PIN-713206.

(b)Name:

Dr. Chaity Sarkar;

Nationality:

An Indian National.

Address:

Department of Electrical Engineering,

Dr. B. C. Roy Engineering College, Durgapur, India, PIN-

713206.

(c)Name:

Mr. Kingsuk Majumdar;

Nationality:

An Indian National.

Address:

Department of Electrical Engineering,

Dr. B. C. Roy Engineering College, Durgapur, India, PIN-

713206.

(d)Name:

Ms. Suchismita Dutta;

Nationality:

An Indian National.

Address:

Department of Electrical Engineering,

Dr. B. C. Roy Engineering College, Durgapur, India, PIN-

713206.

Dated this the 16th Day of August, 2021

4--

Signature

Name of the signatory:

Anjan Sen

Of Anjan Sen and Associates (Applicants Agent) IN/PA-199

3. DECLARATION TO BE GIVEN WHEN THE APPLICATION IN INDIA IS FILED BY THE APPLICANT(S) IN THE CONVENTION COUNTRY:-

We the applicant(s) in the convention country hereby declare that our right to apply for a patent in India is by way or assignment from the true and first inventor(s).

r ated this day of 20 ignature r ame of the signatory			
. STATEMENT (to be signed by the addition of the addition of the invention referred to in persuance of the state of the st	in the above declaratior	nentioned in the n, being include	e application-form) ed in the complete
	- Dated this	day of	, 20
o, he Controller of Patents he Patent Office olkata.			

8/16/2021 PATENT eFiling

Welcome ANJAN SEN

Sign out

Controller General of Patents, Designs & Trade Marks
CP-2, Sector V, Salt Lake City, Kolkata-700091
Tel No. (091)(033) 23671945-46 Fax No. 033 23671988
E-mail: kolkata-patent@nic.in
Web Site: www.ipindia.gov.in





Date/Ti

Date/Time 2021/08/16 15:23:23

ANJAN SEN ANJAN SEN & ASSOCIATES, 17, CHAKRABERIA ROAD, SOUTH

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Fee Payment	Remarks
1	E-2/240/2021/KOL	202031036378	0	_	FORM 2	Full	ONLINE
2	E-5/635/2021/KOL	202031036378	0	_	FORM 5	Full	ONLINE

Total Amount : ₹ 0

Docket No 27021

Amount in Words: Rupees Only

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(19) INDIA

(22) Date of filing of Application :24/08/2020 (43) Publication Date : 10/09/2021

(54) Title of the invention: A SOLAR POWERED AUTOMATED SEED SOWING BOT.

(51) International classification	F21S0009030000, A01G0022000000,	(71)Name of Applicant: 1)Dr. Dola Sinha Address of Applicant: Department of Electrical Engineering, Dr. B. C. Roy Engineering College, Durgapur West Bengal India PIN-713206
(31) Priority Document No	:NA	2)Dr. Chaity Sarkar
(32) Priority Date	:NA	3)Mr. Kingsuk Majumdar
(33) Name of priority country	:NA	4)Ms. Suchismita Dutta
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Dr. Dola Sinha
(87) International Publication No	: NA	2)Dr. Chaity Sarkar
(61) Patent of Addition to Application Number	er:NA	3)Mr. Kingsuk Majumdar
Filing Date	:NA	4)Ms. Suchismita Dutta
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention relates to a solar powered automated seed sowing Bot/vehicle. More particularly, the present invention is directed to a solar powered vehicle comprising various units like sensor based obstacle avoidance, dead end detection and self-turning of the motor operated agricultural robotic device having controlled seed dispensing involving a ladle-sliding plate and rod mechanism that is controlled by the stepper motor, and fertilizer dispensing mechanisms, and sensor based detection of moisture present in the soil and with the suitable predefined set value of the moisture sensor can initiate the seeding process, furrow opener and furrow closer facilitating sowing of seeds at required depth of soil, thus ensuring proper implementation of automated seed sowing in field at required rate and spacing with minimized seed wastage, needing minimum human intervention.

No. of Pages: 28 No. of Claims: 9



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

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Application Details			
APPLICATION NUMBER	202031024063		
APPLICATION TYPE	ORDINARY APPLICATION		
DATE OF FILING	09/06/2020		
APPLICANT NAME	1 . Rajib Banerjee 2 . Manash K. Paul		
TITLE OF INVENTION	METHODS AND DISINFECTION EQUIPMENT FOR RESPIRATORS AND PERSONAL PROTECTIVE EQUIPMENT		
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING		
E-MAIL (As Per Record)	rajib123banerjee@gmail.com		
ADDITIONAL-EMAIL (As Per Record)	paul_cancerbiotech@yahoo.co.in		
E-MAIL (UPDATED Online)			
PRIORITY DATE			
REQUEST FOR EXAMINATION DATE			
PUBLICATION DATE (U/S 11A)	02/07/2021		

Application Status				
APPLICATION STATUS	Awaiting Request for Examination			

View Documents



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Application Details			
APPLICATION NUMBER	202131022335		
APPLICATION TYPE	ORDINARY APPLICATION		
DATE OF FILING	19/05/2021		
APPLICANT NAME	1 . Rajib Banerjee2 . Arindam Mondal3 . Suman Halder		
TITLE OF INVENTION	A REAL TIME DATALOGGER TO MONITOR BATTERY STATE OF HEALTH		
FIELD OF INVENTION	ELECTRICAL		
E-MAIL (As Per Record)	rajib123banerjee@gmail.com		
ADDITIONAL-EMAIL (As Per Record)	rajib123banerjee@gmail.com		
E-MAIL (UPDATED Online)			
PRIORITY DATE			
REQUEST FOR EXAMINATION DATE	03/03/2023		
PUBLICATION DATE (U/S 11A)	29/10/2021		

Application Status		
APPLICATION STATUS	Application referred u/s 12 for examination.	

	View Documents



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

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



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

Application Details			
APPLICATION NUMBER	202231059097		
APPLICATION TYPE	ORDINARY APPLICATION		
DATE OF FILING	17/10/2022		
APPLICANT NAME	1 . Arindam Mondal2 . Mr. Suman Haldar3 . Dr. Rajib Banerjee		
TITLE OF INVENTION	AN IOT BASED MULTI CHANNEL DATA LOGGER TO MONITOR BATTERY STATE OF HEALTH OF BATTERY OPERATED VEHICLES		
FIELD OF INVENTION	ELECTRICAL		
E-MAIL (As Per Record)	arininstru@gmail.com		
ADDITIONAL-EMAIL (As Per Record)	drarindammondal@gmail.com		
E-MAIL (UPDATED Online)			
PRIORITY DATE			
REQUEST FOR EXAMINATION DATE	09/03/2023		
PUBLICATION DATE (U/S 11A)	21/10/2022		

Application Status		
APPLICATION STATUS	Application referred u/s 12 for examination.	

	View Documents
	View Documents

FORM 5

THE PATENTS ACT, 1970 (39 of 1970) &

THE PATENTS RULES, 2003

DECLARATION AS TO INVENTORSHIP

[See Section 10(6) and rule 13(6)]

1. We, Dr. Dola Sinha of Dr. B. C. Roy Engineering College, Durgapur, West Bengal, India, Mr. Kingsuk Majumdar of Dr. B. C. Roy Engineering College, Durgapur, West Bengal, India, Ms. Suchismita Dutta of COGNIZANT TECHNOLOGY SOLUTIONS, Bangalore, Karnataka, India, Mr. Dipnarayan Das of NIT Durgapur, Durgapur, West Bengal, India and Mr. Sovan Bhattacharya of Dr. B. C. Roy Engineering College, Durgapur, West Bengal, India, hereby declare that the true and first inventor of the invention disclosed in the complete specification filed in pursuance of our application numbered 202231070943 dated 08-12-2022 are:

2. INVENTOR(S):

i. Name: Dr. Dola Sinha Nationality: Indian

Address: Dr. B. C. Roy Engineering College, Durgapur, West Bengal, India.

ii. Name: Mr. Kingsuk Majumdar

Nationality: Indian

Address: Dr. B. C. Roy Engineering College, Durgapur, West Bengal, India.

iii. Name: Ms. Suchismita Dutta

Nationality: Indian

Address: COGNIZANT TECHNOLOGY SOLUTIONS, Bangalore, Karnataka, India.

iv. Name: Mr. Dipnarayan Das

Nationality: Indian

Address: NIT Durgapur, Durgapur, West Bengal, India.

v. Name: Mr. Sovan Bhattacharya

Nationality: Indian

Address: Dr. B. C. Roy Engineering College, Durgapur, West Bengal, India.

Dated this 14th Day of July, 2023

A---

Signature

Name of the signatory: Anjan Sen Of Anjan Sen and Associates (Applicants Agent) IN/PA-199

3. DECLARATION TO BE GIVEN WHEN THE APPLICATION IN INDIA IS FILED BY THE APPLICANT(S) IN THE CONVENTION COUNTRY:-

We the applicant(s) in the convention country hereby declare that our right to apply for a patent in India is by way or assignment from the true and first inventor(s).

Dated this day of 20

Signature

Name of the signatory

4. STATEMENT (to be signed by the additional inventor(s) not mentioned in the application-form)

I/ We assent to the invention referred to in the above declaration, being included in the complete specification filed in pursuance of the stated application.			
	-Dated this	day of	, 20
To, The Controller of Patents The Patent Office Kolkata.			