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PROPERTY INDIA**

एकस्व/PATENTS|अभिकल्प/DESIGNS|  
व्यापार चिह्न/TRADE MARKS|भौगोलिक  
उपदर्शन/GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

**भारत सरकार  
GOVERNMENT OF INDIA**

एकस्व कार्यालय /THE PATENT OFFICE  
बौद्धिक सम्पदा भवन / I.P.O. BUILDING  
सी.पी. 2, सेक्टर V/ CP-2, Sector V,  
साल्ट लेक सिटी/Salt Lake City  
कोलकाता/ Kolkata- 700091  
दूरभाष / Tel. No.: (091)(033)223679101  
फ़ैक्स/ Fax : 033- 23671988  
ई मेल/ Email : [kolkata-patent@nic.in](mailto:kolkata-patent@nic.in)  
वेबसाइट /Website:<http://ipindia.nic.in>

सं. \ No. 201831028526

दिनांक \ Dated the 27/12/2023

सेवा में, \ To :

Address of Service:- G-10, BANERJEE PARA, GARIA, KOLKATA-700084  
Email Id:- [bhowmickbitan@gmail.com](mailto:bhowmickbitan@gmail.com), [info@lexmotion.in](mailto:info@lexmotion.in)

विषय :- पेटेंट आवेदन संख्या 201831028526 के संबंध में अधिनियम की धारा 43 के तहत पेटेंट अनुदान तथा पेटेंट रजिस्टर में प्रविष्टि की सूचना  
Sub :- Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 201831028526

महोदय/महोदया,  
Sir/Madam,

आपको सूचित किया जाता है कि पेटेंट अधिनियम, 1970 की धारा 12 व 13 तथा उस आधार पर बने नियम के तहत उपर्युक्त पेटेंट आवेदन के परीक्षण [व 11/12/2023 को हुई सुनवाई] के उपरान्त एतद्वारा पेटेंट अनुदान किया जाता है। तथा पेटेंट अनुदान की प्रविष्टि 27/12/2023 को पेटेंट रजिस्टर में कर दी गयी है।

This is to Inform you that following the examination of above mentioned patent application under section 12 and 13 of The Patents Act, 1970 and Rules made thereunder [and hearing held on 11/12/2023 ] a patent is hereby granted and recorded in the Register of Patents on the 27/12/2023. The Patent Certificate is enclosed herewith.

पेटेंट संख्या \ Patent No	: 489622
आवेदक का नाम \ Name Of Applicant	: 1.BITAN BHOWMICK 2.SUBHAM BISWAS 3.SAMIUL MAMUD 4.SAMUJJAL BISWAS
पेटेंट दिनांक \ Date of Patent	: 30/07/2018
पूर्विका तिथि \ Priority Date	: 30/07/2018
परीक्षण हेतु अनुरोध दाखिल करने की तिथि \ Filing date of Request for examination	: 06/12/2019
शीर्षक \ Title	: A SYSTEM AND METHOD FOR FOETAL HEART RATE ANALYSIS
दावों की संख्या \ Number of claims	: 3 (three)
Controller' Name	: Pritish Ranjan Pal
Controller' Email	: <a href="mailto:prntish.ipo@gov.in">prntish.ipo@gov.in</a>
Controller' Location	: Chennai

उपर्युक्त पेटेंट के अनुदान का प्रकाशन अधिनियम की धारा 43 के तहत पेटेंट कार्यालय के आधिकारिक जर्नल में किया जाएगा।

The grant of above mentioned patent will be published in the Official Journal of the patent Office under section 43 of the Act.

पेटेंट अधिनियम 1970 यथा संशोधित पेटेंट (संशोधन) नियम, 2005/ पेटेंट नियम, 2003 यथा संशोधित पेटेंट (संशोधन) नियम, 2016 की धारा 142 की उप-धारा (4) के प्रावधानों के तहत उपरोक्त प्रविष्टि की तिथि से 3 माह के भीतर इस कार्यालय में नवीकरण शुल्क जमा किया जाना चाहिए।

The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the proviso in sub-section(4) of Section 142 of The Patents Act,1970, as amended by The Patents (Amendment) Act, 2005 / The Patents Rules, 2003 as amended by The Patents (Amendment) Rules, 2016.

Pritish Ranjan Pal

(नियंत्रक पेटेंट)

Controller of Patents

टिप्पणी / Note :

1. संशोधित नवीकरण शुल्क हेतु कृपया महानियंत्रक पेटेंट, अभिकल्प एवं व्यापार चिह्न की आधिकारिक वेबसाइट [www.ipindia.gov.in](http://www.ipindia.gov.in) पर उपलब्ध पेटेंट (संशोधन) नियम 2016 की प्रथम अनुसूची (शुल्क) देखें।

For revised renewal fees kindly refer to the First Schedule (fees) of The Patents (Amendment) Rules 2016 available on the official website of Controller General of Patents, Designs and Trade Marks [www.ipindia.gov.in](http://www.ipindia.gov.in)

2. कार्यालय द्वारा पेटेंट प्रमाणपत्र की कोई भी कागजी प्रति अलग से जारी नहीं की जाएगी।

No hard copy of Patent Certificate shall be issued separately by the office.



**पेटेंट कार्यालय, भारत सरकार** **The Patent Office, Government Of India**  
**पेटेंट प्रमाण पत्र** **Patent Certificate**

(पेटेंट नियमावली का नियम 74) (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. 489622

आवेदन सं. / Application No. 201831028526

फाइल करने की तारीख / Date of Filing 30/07/2018

पेटेंटी / Patentee 1. BITAN BHOWMICK 2. SUBHAM BISWAS 3. SAMIUL MAMUD  
4. SAMUJJAL BISWAS

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित **A SYSTEM AND METHOD FOR FOETAL HEART RATE ANALYSIS** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जुलाई 2018 के तीसवें दिन 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 SYSTEM AND METHOD FOR FOETAL HEART RATE ANALYSIS** as disclosed in the above mentioned application for the term of 20 years from the 30<sup>th</sup> day of July 2018 in accordance with the provisions of the Patents Act, 1970.



*[Signature]*  
Controller of Patents

अनुदान की तारीख / Date of Grant : 27/12/2023

**टिप्पणी** - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, जुलाई 2020 के तीसवें दिन 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 30<sup>th</sup> day of July 2020 and on the same day in every year thereafter.

\*चूंकि पेटेंटी व आविष्कारकों की संख्या अधिक है, पेटेंटी व आविष्कारकों के नाम पृष्ठ संख्या 2 पर जारी हैं।  
\*Since the Number of Patentees / Inventors is more, the name of Patentees / Inventors are continued on Page No. 2





Office of the Controller General of Patents, Designs & Trade Marks  
 Department for Promotion of Industry and Internal Trade  
 Ministry of Commerce & Industry,  
 Government of India

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

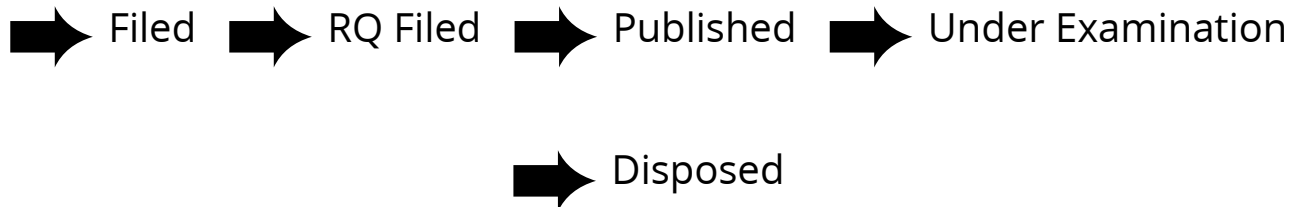


(<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	201831028526
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	30/07/2018
APPLICANT NAME	1 . BITAN BHOWMICK 2 . SUBHAM BISWAS 3 . SAMIUL MAMUD 4 . SAMUJJAL BISWAS 5 . DR. DIPANKAR GHOSH
TITLE OF INVENTION	A SYSTEM AND METHOD FOR FOETAL HEART RATE ANALYSIS
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	06/12/2019
PUBLICATION DATE (U/S 11A)	13/12/2019
FIRST EXAMINATION REPORT DATE	21/05/2021
Date Of Certificate Issue	27/12/2023
POST GRANT JOURNAL DATE	29/12/2023
REPLY TO FER DATE	18/11/2021

#### Application Status

APPLICATION STATUS

**Granted Application, Patent Number  
:489622**[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)



Controller General of Patents, Designs and Trademarks  
Department of Industrial Policy and Promotion  
Ministry of Commerce and Industry

## Design Application Details

**Application Number:**

308536

**Cbr Number:**

13550

**Cbr Date:**

07/08/2018 12:48:41

**Applicant Name:**

1. Bitan Bhowmick, 2. Subham Biswas, 3. Samiul Mamud, 4. Samujjal Biswas,  
5. Dr. Dipankar Ghosh,

## Design Application Status

**Application Status:**

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

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

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

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

Controller General of Patents, Designs and Trademarks



ORIGINAL

No. 103290

भारत सरकार  
GOVERNMENT OF INDIA  
पेटेंट कार्यालय  
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 308536  
Date 07/08/2018  
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 24-01 in respect of the application of such design to DEVICE FOR FOETAL HEART BEAT DETECTION in the name of 1. BITAN BHOWMICK, G-10, BANERJEE PARA, GARIA, KOLKATA-700084, WEST BENGAL 2. SUBHAM BISWAS, 1/51, HALTU SCHOOL ROAD, KOLKATA-700078, WEST BENGAL 3. SAMIUL MAMUD, MAJDIA, RAGHUNATH TALA, CHALTIA, BERHAMPURE, MURSHIDABAD, PIN-742101, WEST BENGAL 4. SAMUJJAL BISWAS, 73, GREENPARK, NARENDRAPUR, KOLKATA-700103, WEST BENGAL, ET AL.

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

BITAN BHOWMICK,  
G-10, BANERJEE PARA, GARIA, KOLKATA-700084,  
WEST BENGAL

Date of Issue 07/10/2021 17:08:24