

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 49/2023
ISSUE NO. 49/2023

शुक्रवार
FRIDAY

दिनांक: 08/12/2023
DATE: 08/12/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

**(PROF. (DR) UNNAT P. PANDIT)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

8th DECEMBER, 2023

(54) Title of the invention : A DEEP CONVOLUTIONAL NEURAL NETWORK MODEL FOR DETECTION OF DISEASE IN TEA PLANT

<p>(51) International classification :G06K0009620000, G06N0003080000, G06N0003040000, F16L0037098000, C09D0179080000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. Subrata Sinha Address of Applicant :S/o. Bijoy Kumar Sinha, Department of Computational Sciences, Brainware University, 398, Ramkrishnapur Road, Barasat, Kolkata - 700125, West Bengal, India. Kolkata -----</p> <p>2)Dr. Jayanta Aich Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr. Subrata Sinha Address of Applicant :S/o. Bijoy Kumar Sinha, Department of Computational Sciences, Brainware University, 398, Ramkrishnapur Road, Barasat, Kolkata - 700125, West Bengal, India. Kolkata -----</p> <p>2)Dr. Jayanta Aich Address of Applicant :S/o. Jiban Krishna Aich, Department of Computational Sciences, Brainware University, 398, Ramkrishnapur Road, Barasat, Kolkata - 700125, West Bengal, India. Kolkata -----</p> <p>3)Donald Tandia Address of Applicant :S/o. Ishak Tandia, Limbuguri Tea Estate, P. O. Rangagora, Tinsukia - 786125, Assam, India. Tinsukia -----</p> <p>4)Dr. Surabhi Johari Address of Applicant :W/o. Saurabh Johari, Institute of Management Studies, Ghaziabad (University Courses Campus), NH9 Adhyatmik Nagar, Ghaziabad – 201015, Uttar Pradesh, India. Ghaziabad -----</p> <p>5)Gaurav Mali Address of Applicant :S/o. Parimal Mali, Flat No. 404, Prerna Tower, Khemani Mill, P. N. Road, Dibrugarh – 786001, Assam, India. Dibrugarh -----</p> <p>6)Porinita Gogoi Address of Applicant :D/o. Lakhinath Gogoi, Christian Patty, Bahek Gaon, Barbheta, Jorhat - 785004, Assam, India. Jorhat -----</p> <p>7)Manoj Kumar Address of Applicant :S/o. Shivnath Prasad, No. 1, Tokowani, P.O. Samdang, Tinsukia - 786190, Assam, India. Tinsukia -----</p>
---	---

(57) Abstract :
Disclosed is a system (100) that includes one or more convolution layers, one or more max pool layers that are communicatively coupled with one or more convolution layers, one or more fully connected layers that are communicatively coupled with one or more AVERAGE pool layers, and an output layer that are communicatively coupled with one or more fully connected layers; trained on 5867 augmented Tea leaf images shows an accuracy of 91.49 %.

No. of Pages : 16 No. of Claims : 4