

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 35/2022
ISSUE NO. 35/2022

शुक्रवार
FRIDAY

दिनांक: 02/09/2022
DATE: 02/09/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : DEEP LEARNING APPROACH FOR STRENGTHEN DETECTION OF CORONAVIRUS DISEASE

(51) International classification :G06K0009620000, G06K0009460000, G06N0003080000, H04L0012861000, G06K0009320000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :

The present invention relates a method (100) for a deep learning approach for strengthening the detection of coronavirus disease. The method (100) comprises an input port, a storage unit, a feature extraction unit, and a processing unit. The input port is configured to provide input images. The storage unit is operationally connected to the input port. The storage unit is configured to store input images. The storage unit comprises a first dataset and a second dataset. The feature extraction unit is operationally connected with the storage unit. The feature extraction unit is configured to extract features from the input images and generate feature maps that are enrolled in the classification network. The processing unit is operationally connected with a memory unit. The processing unit is configured to read machine language stored in the memory unit. The processing unit is configured to control the function performed by the input port, storage unit, and feature extraction unit.

No. of Pages : 13 No. of Claims : 5