



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	202041020407
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/05/2020
APPLICANT NAME	1 . VANGIPURAM RADHAKRISHNA 2 . ARAVIND CHERUVU 3 . GUNUPUDI RAJESH KUMAR 4 . GALI SURESH REDDY 5 . NIMMALA MANGATHAYARU 6 . V. JANAKI 7 . V. SRAVAN KIRAN
TITLE OF INVENTION	SYSTEM AND METHOD FOR DIAGNOSIS OF DISEASES FROM MEDICAL IMAGES
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	filings@ipexcel.com
ADDITIONAL-EMAIL (As Per Record)	filings@ipexcel.com
E-MAIL (UPDATED Online)	filings@ipflair.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	26/11/2020
PUBLICATION DATE (U/S 11A)	27/11/2020
FIRST EXAMINATION REPORT DATE	28/12/2020
Date Of Certificate Issue	21/01/2022
POST GRANT JOURNAL DATE	28/01/2022
REPLY TO FER DATE	10/02/2021

Application Status

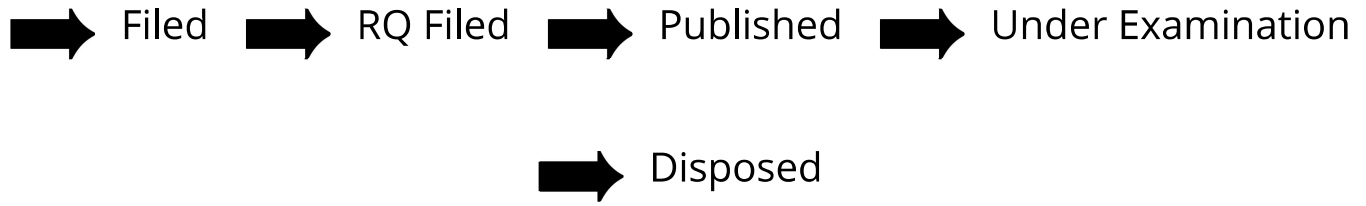
APPLICATION STATUS

**Granted Application, Patent Number
:387074**

[E-Register](#)

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

[View Documents](#)



In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041020407 A

(19) INDIA

(22) Date of filing of Application :14/05/2020

(43) Publication Date : 27/11/2020

(54) Title of the invention : SYSTEM AND METHOD FOR DIAGNOSIS OF DISEASES FROM MEDICAL IMAGES

(51) International classification	:G06K0009620000, G06K0009000000, G06F0016280000, G06T0007110000, G06F0016583000	(71)Name of Applicant : 1)VANGIPURAM RADHAKRISHNA Address of Applicant :DEPARTMENT OF INFORMATION TECHNOLOGY, VNR VJJET, VIGNANA JYOTHI NAGAR, NIZAMPET RD, PRAGATHI NAGAR, HYDERABAD TELANGANA 500090, INDIA Telangana India 2)ARAVIND CHERUVU 3)GUNUPUDI RAJESH KUMAR 4)GALI SURESH REDDY 5)NIMMALA MANGATHAYARU 6)V. JANAKI 7)V. SRAVAN KIRAN
(31) Priority Document No	:NA	(72)Name of Inventor : 1)VANGIPURAM RADHAKRISHNA 2)ARAVIND CHERUVU 3)GUNUPUDI RAJESH KUMAR 4)GALI SURESH REDDY 5)NIMMALA MANGATHAYARU 6)V. JANAKI 7)V. SRAVAN KIRAN
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(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	

(57) Abstract :

A system for diagnosis of diseases is disclosed. The system receives a medical image and converts resolution of the medical image into a predefined resolution to obtain a sample image. The system obtains an intensity value matrix upon converting the sample image into gray scale image and obtain a testing data set by converting the intensity value matrix into a test row vector. The system includes a dimensionality reduction module to generate a dimensionality reduced test matrix based on the testing data set and a transformation training matrix obtained from a training data set. The system includes a similarity identification module to identify a similarity value of each row vector of the dimensionality reduced test matrix with a dimensionality reduced training matrix. The system includes a disease classification module to assign a class label of a training row vector to the test row vector based on a maximum similarity value and identify a type of disease present in the medical based on the class label. FIG. 1

No. of Pages : 37 No. of Claims : 9