क्रमांक : 044141518
SL No :

सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.	:	397728
आवेदन सं. / Application No.	:	201841045647
फाइल करने की तारीख / Date of Filing	:	03/12/2018
पेटेंटी / Patentee	:	1.VANGIPURAM RADHA KRISHNA 2.P.V.Kumar 3.Vinjamuri Janaki 4.Aravind Cheruvu

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित SYSTEM AND METHOD TO GENERATE TIME-PROFILED TEMPORAL PATTERN TREE नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख दिसम्बर 2018 के तीसरे 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 SYSTEM AND METHOD TO GENERATE TIME-PROFILED TEMPORAL PATTERN TREE as disclosed in the above mentioned application for the term of 20 years from the 3rd day of December 2018 in accordance with the provisions of the Patents Act,1970.

अनुदान की तारीख :
Date of Grant : 26/05/2022

पेटेंट नियंत्रक
Controller of Patent

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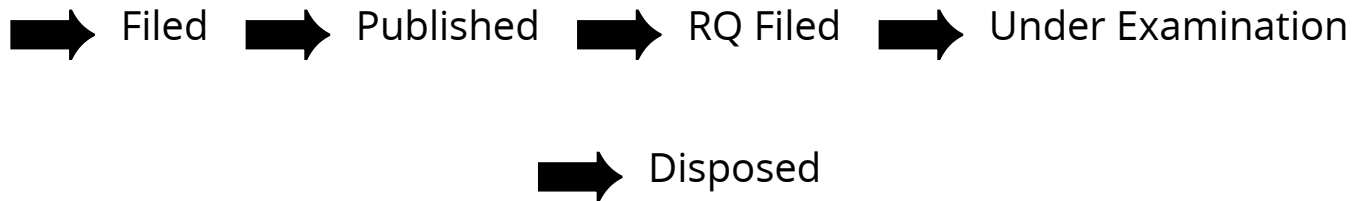Ministry of Commerce & Industry,
Government of India

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

INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

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

Application Details

APPLICATION NUMBER	201841045647
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/12/2018
APPLICANT NAME	1 . VANGIPURAM RADHA KRISHNA 2 . P.V.Kumar 3 . Vinjamuri Janaki 4 . Aravind Cheruvu
TITLE OF INVENTION	SYSTEM AND METHOD TO GENERATE TIME-PROFILED TEMPORAL PATTERN TREE
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	bhaskar@ipexcel.com
ADDITIONAL-EMAIL (As Per Record)	bhaskar@ipexcel.com
E-MAIL (UPDATED Online)	filings@ipflair.com
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	16/04/2021
PUBLICATION DATE (U/S 11A)	07/12/2018
FIRST EXAMINATION REPORT DATE	25/06/2021
Date Of Certificate Issue	26/05/2022
POST GRANT JOURNAL DATE	27/05/2022
REPLY TO FER DATE	11/08/2021

Application Status

APPLICATION STATUS	Granted Application, Patent Number :397728

E-Register		Order(s)/Decision(s)	View Documents

➡️ Filed ➡️ Published ➡️ RQ Filed ➡️ Under Examination

➡️ Disposed

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

(12) PATENT APPLICATION PUBLICATION   (21) Application No.201841045647 A

(19) INDIA

(22) Date of filing of Application :03/12/2018   (43) Publication Date : 07/12/2018

---

(54) Title of the invention : SYSTEM AND METHOD TO GENERATE TIME-PROFILED TEMPORAL PATTERN TREE

(51) International classification	:G06F 17/00	(71)**Name of Applicant :**
		   1)VANGIPURAM RADHA KRISHNA
		     Address of Applicant :Department of Information Technology, VNR Vignana Jyothi Institute of Engineering and Technology Hyderabad Telangana India Telangana India
		   2)P.V.Kumar
		   3)Vinjamuri Janaki
		   4)Aravind Cheruvu
		(72)**Name of Inventor :**
		   1)VANGIPURAM RADHA KRISHNA
		   2)P.V.Kumar
		   3)Vinjamuri Janaki
		   4)Aravind Cheruvu

(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method to generate a time-profiled temporal pattern tree is provided. The method includes retrieving a plurality of inputs from a user. The method also includes computing a prevalence time value for each of a plurality of temporal items. The method also includes computing the prevalence value of items and a plurality of itemsets of the plurality of temporal items. The method also includes computing an actual distance between the plurality of temporal items and a reference query sequence. The method also includes comparing a computed distance with the plurality of inputs. The method includes retaining the plurality of temporal items. The method includes arranging a plurality of retained temporal items within a time stamped transactional database. The method also includes generating a time profiled temporal pattern tree. FIG. 1

No. of Pages : 32 No. of Claims : 6