



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

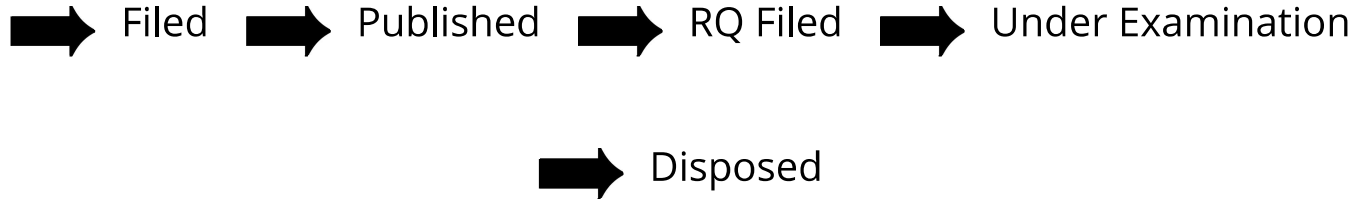
APPLICATION NUMBER	202241075334
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/12/2022
APPLICANT NAME	1 . Dr. RAVI KANTH MOTUPALLI 2 . DR. KRISHNA PRASAD K 3 . Dr.CH. SURESH 4 . POTLURI TEJASWI 5 . SOMAVARAPU JAHNAVI 6 . N SARIKA
TITLE OF INVENTION	A SYSTEM AND METHOD FOR SECURED ARCHITECTURE WITH EFFECTIVE DATA SHARING IN CLOUD BASED BIG DATA STORAGE ENVIRONMENT
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	vsasawat@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vsasawat@yahoo.co.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/12/2022

Application Status

APPLICATION STATUS

Awaiting Request for Examination

[View Documents](#)



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

(54) Title of the invention : A SYSTEM AND METHOD FOR SECURED ARCHITECTURE WITH EFFECTIVE DATA SHARING IN CLOUD BASED BIG DATA STORAGE ENVIRONMENT

(51) International classification :G06K0009620000, G06F0016220000, G06F0016270000, H04L0067100000, G06F0016901000

(86) International Application No Filing Date :PCT// :01/01/1900

(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

(71)**Name of Applicant :**
1)Dr. RAVI KANTH MOTUPALLI
 Address of Applicant :Asst. Professor Dept. of CSE, VNR VJIT, Hyderabad & Research Scholar (PDF) Institute of Engineering and Technology, Srinivas University, Mangalore, Karnataka, India Mangalore -----
2)DR. KRISHNA PRASAD K
3)Dr.CH. SURESH
4)POTLURI TEJASWI
5)SOMAVARAPU JAHNAVI
6)N SARIKA
Name of Applicant : NA
Address of Applicant : NA
 (72)**Name of Inventor :**
1)Dr. RAVI KANTH MOTUPALLI
 Address of Applicant :Asst. Professor Dept. of CSE, VNR VJIT, Hyderabad & Research Scholar (PDF) Institute of Engineering and Technology, Srinivas University, Mangalore, Karnataka, India Mangalore -----
2)DR. KRISHNA PRASAD K
 Address of Applicant :Professor, Institute of Engineering and Technology, Srinivas University, Mukka, Mangalore, Karnataka, India Mangalore -----
3)Dr.CH. SURESH
 Address of Applicant :Assistant Professor, Department of CSE, VNR VJIET, Hyderabad, Telangana, India Hyderabad -----
4)POTLURI TEJASWI
 Address of Applicant :Assistant Professor, Department of CSE, VNR VJIET, Hyderabad, Telangana, India Hyderabad -----
5)SOMAVARAPU JAHNAVI
 Address of Applicant :Assistant Professor, Department of CSE, VNR VJIET, Hyderabad, Telangana, India Hyderabad -----
6)N SARIKA
 Address of Applicant :Assistant Professor, Department of CSE, VNR VJIET, Hyderabad, Telangana, India Hyderabad -----

(57) Abstract :
 The invention disclosed a system and method for secured architecture with effective data scaring in cloud based big data storage environment. A novel architecture involving the data outsourcing, data sharing and data management is proposed for the security of the cloud environment in multiple layers. A hybrid algorithmic module has been developed for the important procedures like Data compression, Data clustering and Data Indexing. Corresponding attributes are tested for the analysis of the performance metrics. Though many research and studies were done on the cloud security none of them proved the strength and effectiveness of the security architecture. Hence, a decentralized security architecture based on the block chain codes is developed for the IoT applications. A special authentication protocol is proposed for this architecture. All these experiments are conducted in a spark environment to demonstrate the effectiveness of the security performance against space complexity, time complexity and throughput.

No. of Pages : 20 No. of Claims : 7