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| (51) International classification :H04L0009060000, G06Q0020060000, H04L0009080000, H04L0009320000, G06Q0020380000 | (71)**Name of Applicant :**<br>  1)**Dr. Rajkumar Ashok Kankariya**<br>    Address of Applicant :Asst. Professor, Suryadatta Institute of Business Management and Technology, Pune, Maharashtra, Pin 411021 ----------- -----------<br>  2)**Dr. Shital Prakash Bhusare**<br>  3)**Dr.Juhi Gautam**<br>  4)**Dr Pushpa Rani**<br>  5)**Dr. Ragini Bhat**<br>  6)**Nunna Suresh**<br>  7)**Prof.Sunil Dhangar**<br>  8)**S.Abirami**<br>  9)**Dr R.K.Gnanamurthy.**<br>  10)**Dr. P. Vamsi Krishna**<br>  11)**Dr B Amarnath Reddy**<br>  12)**Anthony Savio Herminio da Piedade Fernandes**<br>**Name of Applicant : NA**<br>**Address of Applicant : NA** |
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| (62) Divisional to Application Number :NA<br>    Filing Date :NA | (72)**Name of Inventor :**<br>  1)**Dr. Rajkumar Ashok Kankariya**<br>Address of Applicant :Asst. Professor, Suryadatta Institute of Business Management and Technology, Pune, Maharashtra, Pin 411021 ----------- -----------<br>  2)**Dr. Shital Prakash Bhusare**<br>Address of Applicant :Assistant Professor, Dept. of MBA, Suryadatta Institute of Business Management & Technology, Pune 411021,Maharashtra ----------- -----------<br>  3)**Dr.Juhi Gautam**<br>Address of Applicant :Assistant professor/commerce department, Svm yoga and health sciences College, Muzaffarnagar, Uttar Pradesh, India ----------- -----------<br>  4)**Dr Pushpa Rani**<br>Address of Applicant :Assistant Professor/ Department of Management Sciences, Tecnia Institute of Advanced Studies, Rohini sec 14, 110085,New Delhi, North, Delhi, India ----------- -----------<br>  5)**Dr. Ragini Bhat**<br>Address of Applicant :Assistant Professor, Suryadatta Institute of Business Management & Technology, Pune - PIN- 411021, Maharashtra, India. ----------- -----------<br>  6)**Nunna Suresh**<br>Address of Applicant :Assist professor /MBA, Institute of Aeronautical engineering College, Hyderabad, 500043, Telangana, India ----------- -----------<br>  7)**Prof.Sunil Dhangar**<br>Address of Applicant :Suryadatta Institute of Business Management and Technology,Patil nagar, Bavdhan, Pune 411021, Maharashtra, India ----------- -----------<br>  8)**S.Abirami**<br>Address of Applicant :Assistant Professor, Department of MBA, Jai Shriram Engineering College, Avinashipalayam, Tirupur-638 660, Tamilnadu, India. ----------- -----------<br>  9)**Dr R.K.Gnanamurthy.**<br>Address of Applicant :Professor, Department of ECE, VSB College of Engineering Technical Campus, Coimbatore -642109, Tamilnadu, India. ----------- -----------<br>  10)**Dr. P. Vamsi Krishna**<br>Address of Applicant :Assistant Professor, School of Management, Malla Reddy University, Maisammaguda, Hyderabad, R R District, Telangana, India ----------- -----------<br>  11)**Dr B Amarnath Reddy**<br>Address of Applicant :Associate professor, I MBA, Vishwa Vishwani School of Business, Hyderabad, Madchal, Telangana, India ----------- -----------<br>  12)**Anthony Savio Herminio da Piedade Fernandes**<br>Address of Applicant :Founder Owner of Trading Equations, 54/C, Xell, Bastora, Bardez - Goa, India ----------- ----------- |

(57) Abstract :
SECURING FINANCIAL TRANSACTIONS IN CRYPTO CURRENCY MARKET USING BLOCKCHAIN AND INTERNET OF THINGS (IOT) An one-time pad methods are used to accomplish the encryption. The one-time pad's key might be created using a really random sequence. The one-time pad key is used to encrypt and decode data transmissions. An Internet-of-Things system that consists of an Internet-connected device with a sensor that produces a stream of measurement data is also disclosed. The genuine random sequence utilized to derive the one-time pad key might be derived from this stream of measurement data. A technique for trading carbon credits via a bitcoin market platform is also shown. A proof-of-elapsed-time (PoET) protocol may be used by the blockchain platform to reduce energy consumption while mining. Here are several systems and procedures for employing blockchain-based cryptocurrency. A blockchain digital currency is produced and used by the techniques and systems on a permission-based network of financial institutions.

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