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## Patent Search

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### Inventor

Name	Address	Country
Renzon Daniel Cosme Pecho	Professor, Biochemistry, Universidad San Ignacio de Loyola, La Molina 1524, Lima, Peru	Peru
Celestino Tavares da Veiga	Professor Celestino Veiga, Mechanical Engineering, Coimbra Institute of Engineering (ISEC-IPC), Coimbra, Portugal	Portugal
Harish S. S.	Assistant professor, Department of EEE, St. Joseph's College of Engineering, OMR, Chennai, Tamil Nadu	India
Ashif Mohammad	Assistant Programmer, National Institute of Mass Communication, Ministry of Information and Broadcasting, Dhaka, Bangladesh	Bangladesh
K. Kiran	Assistant Professor, Vishnu Institute of Technology(A), Bhimavaram, Andhra Pradesh	India
Monalisa Pattanayak	Assistant Professor, Department of Basic Science and Humanities, Majhighariani Institute of Technology and Science (MITS), Rayagada, Odisha, India - 765017	India

### Applicant

Name	Address	Country
Renzon Daniel Cosme Pecho	Professor, Biochemistry, Universidad San Ignacio de Loyola, La Molina 1524, Lima, Peru	Peru
Celestino Tavares da Veiga	Professor Celestino Veiga, Mechanical Engineering, Coimbra Institute of Engineering (ISEC-IPC), Coimbra, Portugal	Portugal
Harish S. S.	Assistant professor, Department of EEE, St. Joseph's College of Engineering, OMR, Chennai, Tamil Nadu	India
Ashif Mohammad	Assistant Programmer, National Institute of Mass Communication, Ministry of Information and Broadcasting, Dhaka, Bangladesh	Bangladesh
K. Kiran	Assistant Professor, Vishnu Institute of Technology(A), Bhimavaram, Andhra Pradesh	India
Monalisa Pattanayak	Assistant Professor, Department of Basic Science and Humanities, Majhighariani Institute of Technology and Science (MITS), Rayagada, Odisha, India - 765017	India

### Abstract:

The present invention relates to provide a Blockchain and Artificial Intelligence based IOT environment for 6G wireless Network. It will provide faster data transfer rate, latency, and increased network capacity compared to 5G. The integration of blockchain, AI, and IoT in the 6G network creates a powerful and secure environment. Blockchain ensures data security and privacy, while AI enables intelligent decision-making and resource management. The advantages of a blockchain and AI-based IoT environment include data security, smart contracts, distributed network management, transparency, and secure identity and access management. Therefore, the integration of the technologies in 6G will create a secure, intelligent, and efficient environment for connected devices and innovative applications.

Complete Specification

Description: Technical field of invention:

The present invention relates to provide a Blockchain and Artificial Intelligence based IOT environment for 6G wireless Network.

Background:

6G wireless network is the upcoming generation of wireless technology expected to succeed 5G. It aims to provide faster data transfer rates, ultra-low latency, and increased network capacity compared to its predecessor. It includes massive device connectivity to support the proliferation of IoT devices, integration of satellite and terrestrial networks for global coverage, and enhanced energy efficiency to minimize environmental impact. Security and privacy are prioritized through techniques end-to-end encryption and blockchain-based security. 6G will explore new spectrum bands, such as the terahertz range, to meet the growing demand for bandwidth.

Groupings of alternative elements or embodiments of the invention disclosed herein are not to be construed as limitations. Each group member can be referred to claimed individually or in any combination with other members of the group or other elements found herein. One or more members of a group can be included in, deleted from, a group for reasons of convenience and/or patentability. When any such inclusion or deletion occurs, the specification is herein deemed to contain them as modified thus fulfilling the written description of all Markush groups used in the appended claims.

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