Patent Search

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Abstract:

ABSTRACT IoT based Efficient and secure medical data transmission in health care applications The Internet of Things (IoT) has been increasingly used for the efficien transmission of medical data and its secure storage in health care applications. There are a number of challenges associated with such transmission. To address thes it is important to develop appropriate methods for secure data transmission between medical devices, providers, and users, and between different medical systems i distributed environment. A secure data transmission protocol is required to ensure the privacy and integrity of medical data. The protocol should include authenticat authorization mechanisms for users and devices, self-adaptive mechanisms to detect abnormal behavior in the communication network, and encryption methods to confidential exchange of data. Additionally, proper access control rules must be implemented to limit access of certain data to only those medical personnel with app clearance. Furthermore, a decentralized data storage architecture should be adopted to limit single points of data access, address unavailability issues, and ensure fa Data accuracy and accuracy-assurance services are also required for efficient data transmission in medical applications. This means that data must be authenticated sender and the receiver. Data should also be compared with previously-stored records or other data sources in order to detect any discrepancies. Additionally, data s regularly checked for anomalies, while automated data quality checks can be put in place in order to detect errors and respond quickly. In summary, efficient and sec transmission in medical applications requires the implementation of secure protocols, proper access control measures, and accuracy-assurance services. The use of I provides a platform for efficient and secure transportation of medical data. By addressing the challenges listed previously, the secure transmission of medical data ov internet of things will enable health care providers to improve patient care and reduce costs.

Complete Specification

Description:FORM 2
THE PATENTS ACT,1970
(39 of 1970)
&
THE PATENT RULES, 2003
Complete Specification
(See section10 and rule13)
1. Title of the Invention: IoT based Efficient and secure medical data transmission in health care applications

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