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### Patent Search

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#### Abstract:

ABSTRACT IOT- BASED HEALTHCARE MONITORING AND REMOTE PATIENT CAR The Internet of Things (IoT)-based Healthcare Monitoring and Remote Patient Care (RP are a new, cutting-edge technology that enables the remote identification, monitoring, and management of patients' health conditions. It allows for both the efficient medical services and the assured well-being of patients while reducing costs and workloads. The technology uses medical devices and other sensors connected to a provider's secure network, which allows for real-time tracking of data – such as vital signs, vital signs trends, trends in medications, and more. This data is used to build a comprehensive picture of the patient's health and to provide personalized care. It also helps healthcare professionals monitor, diagnose, with insights into a patient's health to identify any changes or early warning signs. The application of IoT-based Healthcare Monitoring and Remote Patient Care systems have been shown to improve patient care in various ways, such as reducing healthcare costs, while improving treatment outcomes, streamlining medical visits, reducing hospital admissions, and enhancing patient engagement and satisfaction. Additionally, the technology enables flexible care models and increased access to healthcare services for both patients and providers. Current IoT-based Healthcare Monitoring and Remote Patient Care systems offer numerous benefits for healthcare providers, including improved care and greater efficiency. By using innovative technology to actively monitor and manage patient health, providers can ensure that they are delivering the best care possible to their patients – with lower costs, improved outcomes, and increased satisfaction for everyone. Remote patient cars are one of the many applications of the IoT in healthcare. By leveraging a core medical device installed in a vehicle, healthcare providers can monitor patient conditions from afar. A patient's vital signs and any symptoms can be monitored in real-time, and relevant information can be shared with the patient's healthcare provider. This can enable physicians to more quickly respond to changes in the patient's condition, diagnose diseases, and adjust treatment quickly. These cars can also provide a convenient way for patients to access healthcare services, such as connecting with a physiotherapist, doctor, or providing transportation to and from appointments. In addition to remote patient cars, the IoT can be used to monitor and streamline healthcare processes. By connecting multiple healthcare devices, healthcare providers can streamline and automate processes, leading to improved administration, patient care, and communication. The use of the IoT for greater visibility into patient health and allows healthcare providers to access information from any location. This allows for more efficient and cost-effective operation. The use of the IoT in healthcare provides many benefits, including reduced costs, improved quality of care, and improved patient satisfaction.

#### 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 HEALTHCARE MONITORING AND REMOTE PATIENT CAR

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