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Patent Search

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Abstract:

The paper presents the design and implementation of an IoT-based health monitoring system for emergency medical services that can flexibly demonstrate integration and interaction of IoT data, using intensive care units (ICU) may provide assistance to emergency medical services such as INTEL GALILEO Development Board. The proposed model enables users to improve health risks and reduce healthcare costs by collecting, recording, analyzing and displaying real time and efficiently. The idea of this project came so that in order to reduce the headache of the patient, every time he has to go to the doctor to check heart rate, temperature etc. With the help of this proposal, the time of both the patients and the doctors is saved and the doctors can also help as much as possible in emergency.

Complete Specification

Description: FIELD OF THE INVENTION

This invention represents the field of medical science.

SUMMARY OF THE INVENTION

The Internet of things in the field of healthcare also plays a major role in providing ease to patients and doctors. It consists of a system that connects network connected systems, apps and devices that can help patients and doctors to monitor, track and record patients' vital data and medical information. Devices include smart meters, wearable health bands, fitness shoes, RFID based smart watches and smart video cameras. Also, apps for smartphones can provide a medical record with real time alert and emergency services.

These interconnected IoT devices produce large amounts of information and data that should be dealt efficiently by the providers and so is a big challenge of this challenge of storing and analyzing large data, the technique of Internet of Things Analytics (IoTA) is implemented.

The raw data is converted into a useful and medically relevant data using the techniques like data extraction and data analytics. In fact, it has been more than 50-55 percent of techniques used to analyze raw data will make a better use of this influx of data which is generated from instrumented applications. In order to make our health care services robust and vast, the IOT relies on several enabling technologies. Collection of real-time data in this case, unlimited number of patients for a large period of time has become very easy and fast using the potential of IOT. The power of IOT for health services are harnessed by smart sensors (sensor and a microcontroller) which accurately measures, monitors and analyze a variety of health status. These can include basic vital health signs such as pulse rate and blood pressure, oxygen and glucose level in blood and heart rate. Smart sensors can

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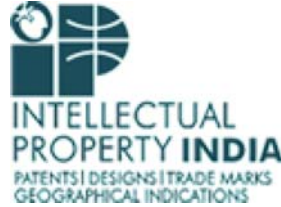




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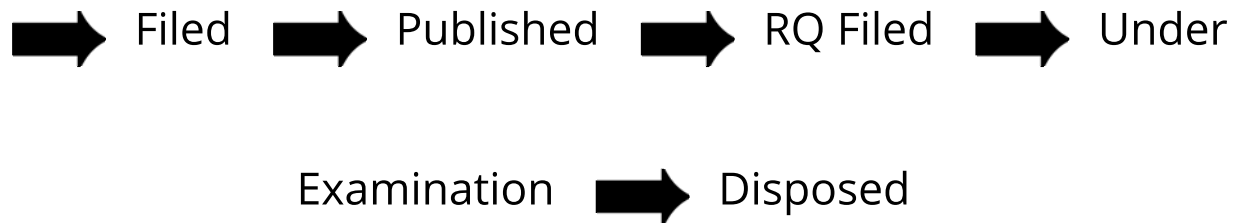
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Application Status

APPLICATION STATUS

Awaiting Request for Examination

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