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Patent Search

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Abstract:

"WEARABLE CONTINUOUS BODY TEMPERATURE MONITORING SYSTEM" Accordingly, embodiments herein disclose a wearable continuous body temperature monitoring system for maintaining and controlling the temperature of a certain environment. The system includes a temperature sensor which is configured to monitor the body temperature; and a microcontroller which is received the temperature data from the temperature sensor, and to process the temperature data. Further, the proposed system may include a wireless module which is connected to the microcontroller. The wireless module sends the processed temperature data to a distant device or a cloud-based system. Furthermore, the proposed system may include a gadget which is powered by a battery or a rechargeable power source. The proposed system can assist the patients and clinicians in adjusting treatment strategies and avoiding significant consequences. Also, the proposed system is helpful in taking precautions to overcome seizures in some patients. Figures to be published with Abstract: Figures 2 and 3 Dated this 10th day of April, 2023 POOJA AGENT FOR THE APPLICANT IN/PA/1838

Complete Specification

Description:FIELD OF INVENTION

[0001] The present disclosure relates to a wearable continuous body temperature monitoring system for maintaining and controlling the temperature of a certain environment.

BACKGROUND OF INVENTION

[0002] In recent years, temperature monitoring systems have become a vital aspect of healthcare, hospitals, clinics, the food industry, and other businesses. Mainly temperature monitoring for children during fever is vital. Children should be continuously monitored as if their temperature rises above 100°C there is chance that immediately children get effected with the seizures or any other medical problems. So, the children should be monitored during the fever to keep them safe. The other main hurdle of the temperature monitoring of the children is during the night times. The problem is as many parents fall asleep and children's temperature immediately rises high which is not monitored and at time children should be given medication. So, this is considered as a serious problem to monitor the temperature of children during night time. So, to overcome this problem a continuous temperature monitoring idea is proposed. In this device if the temperature touches 100° C and alarm is used for indicating the parents or guardians to give the medicine. Still if there is an increase in temperature to 102° C again an indication is made to control the temperature of the child by using wet strips. So wearable continuous body temperature monitoring device is developed to reduce the risk of high temperature in children which in turn reduces other medical problems.

[0003] Typically, the existing product and documents disclose a wireless thermometers link to a wireless network and broadcast temperature measurements to a

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