



**GUJARAT TECHNOLOGICAL UNIVERSITY
(GTU)
INNOVATION COUNCIL (GIC)
Patent Search & Analysis Report
(PSAR)**



Date of Submission : 05/11/2020

Dear Dodiya Rajubhai Hanubhai,

Studied Patent Number for generation of PSAR : 20BE7_170280111016_2

PART 1: PATENT SEARCH DATABASE USED

1. Patent Search Database used	:	Google Patents
Web link of database	:	https://patents.google.com/
2. Keywords Used for Search	:	Wireless relay module, remote monitoring systems, alarm and display functionality
3. Search String Used	:	Wireless relay module for remote monitoring systems having alarm and display functionality
4. Number of Results/Hits getting	:	12

PART 2: BASIC DATA OF PATENTED INVENTION /BIBLIOGRAPHIC DATA

5. Category/ Field of Invention	:	
6. Invention is Related to/Class of Invention	:	The present invention relates to systems and methods for monitoring the health and wellness of patient
6 (a) : IPC class of the studied patent	:	A61B 5/11 G16H 40/63
7. Title of Invention	:	Systems and methods for monitoring and/or managing a person's position using variable parameters .
8. Patent No.	:	US10535432B2
9. Application Number	:	15 / 718,549
9 (a) : Web link of the studied patent	:	https://patents.google.com/patent
10. Date of Filing/Application (DD/MM/YYYY)	:	09/28/2017
11. Priority Date (DD/MM/YYYY)	:	
12. Publication/Journal Number	:	
13. Publication Date (DD/MM/YYYY)	:	
14. First Filled Country : Albania	:	

15. Also Published as

Sr.No	Country Where Filled	Application No./Patent No.
1		

16. Inventor/s Details.

Sr.No	Name of Inventor	Address/City/Country of Inventor
1	David Perlman	United States

17. Applicant/Assignee Details.

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	Leaf Healthcare Inc	United States

18. Applicant for Patent is : College

PART 3: TECHNICAL PART OF PATENTED INVENTION**19. Limitation of Prior Technology / Art**

This smart mobile health monitoring system 10 (also referred to as a smart ECG device) can overcome current obstacles, including current non-universal ECG transmission and costly alterations of hospital infrastructure in order to receive ECGs.

20. Specific Problem Solved / Objective of Invention

A monitoring system and method tracks a patient's position over time and ensures that proper turning or other manipulation is done within the time prescribed. Preferably, the techniques herein continuously monitor patient position and alert medical or other personnel of the need for turning or other patient manipulation. The system may be implemented within a medical or other care facility, or within a patient's home.

21. Brief about Invention

A monitoring system and method tracks a patient's position over time and ensures that proper turning is done within the time prescribed. Preferably, the techniques herein continuously monitor patient position and alert medical or other personnel of the need for turning or other patient manipulation. The system may be implemented within a medical or other care facility, or within a patient's home.

22. Key learning Points

the techniques herein continuously monitor patient position and alert medical or other personnel of the need for turning or other patient manipulation. The system may be implemented within a medical or other care facility, or within a patient's home.

23. Summary of Invention

A monitoring system and method tracks a patient's position over time and ensures that proper turning is done within the time prescribed. Preferably, the techniques herein continuously monitor patient position and alert medical or other personnel of the need for turning or other patient manipulation. The system may be implemented within a medical or other care facility, or within a patient's home.

In one embodiment, a monitoring system comprises several components: a sensor, a monitor, and an output device. The sensor is adapted to be carried by a patient and outputs spatial information associated with the patient's physical orientation. The monitor is in operative communication with the sensor to receive the spatial information together with temporal information. The monitor uses the spatial and temporal information to determine whether the patient is following a patient turn protocol. If not, a notification is provided by the output device so that remedial action can be initiated.

The foregoing has outlined some of the more pertinent features of the invention. These features should be construed to be merely illustrative. Many other beneficial results can be attained by applying the disclosed invention in a different manner or by modifying the invention as will be described.

24. Number of Claims : 17

25. Patent Status

:

Published Application

26. How much this invention is related with your IDP/UDP?

71 to 90%

27. Do you have any idea to do anything around the said invention to improve it? (Give short note in not more than 500 words)

By using advance sensors or army level sensors though we can use this kit for army and by adding chargeble power source so we can use this kit while patient is travelling.