



US 20080200774A1

(19) **United States**

(12) **Patent Application Publication**  
**Luo**

(10) **Pub. No.: US 2008/0200774 A1**

(43) **Pub. Date: Aug. 21, 2008**

(54) **WEARABLE MINI-SIZE INTELLIGENT HEALTHCARE SYSTEM**

(52) **U.S. Cl. .... 600/301**

(57) **ABSTRACT**

(75) Inventor: **Hongyue Luo, Waterloo (CA)**

A system and method for the wearable mini-size intelligent healthcare system, comprising one or multiple vital signal sensors, activity sensors, a real-time detection and analyzing module for continuous health monitoring, adjustable user setting mode with the adaptive optimization, data-collecting capability to record important health information, smart audio outputs of audio beep and speech advice to the user through audio path and audio interface, preset and user confirmable alarm conditions via wireless communications network to the appropriate individual for prompt and necessary assistance. The system uses noninvasive monitoring technology for continuous, painless and bloodless health state monitoring. The system also works through the short range RF link with carry-on PDA or cell phone for displaying health information, making urgent contact to support center, doctor or individual, or for information transmission with a healthcare center.

Correspondence Address:

**Hongyue Luo**  
**465 Regency Cres**  
**Waterloo, ON N2T 1P3 (CA)**

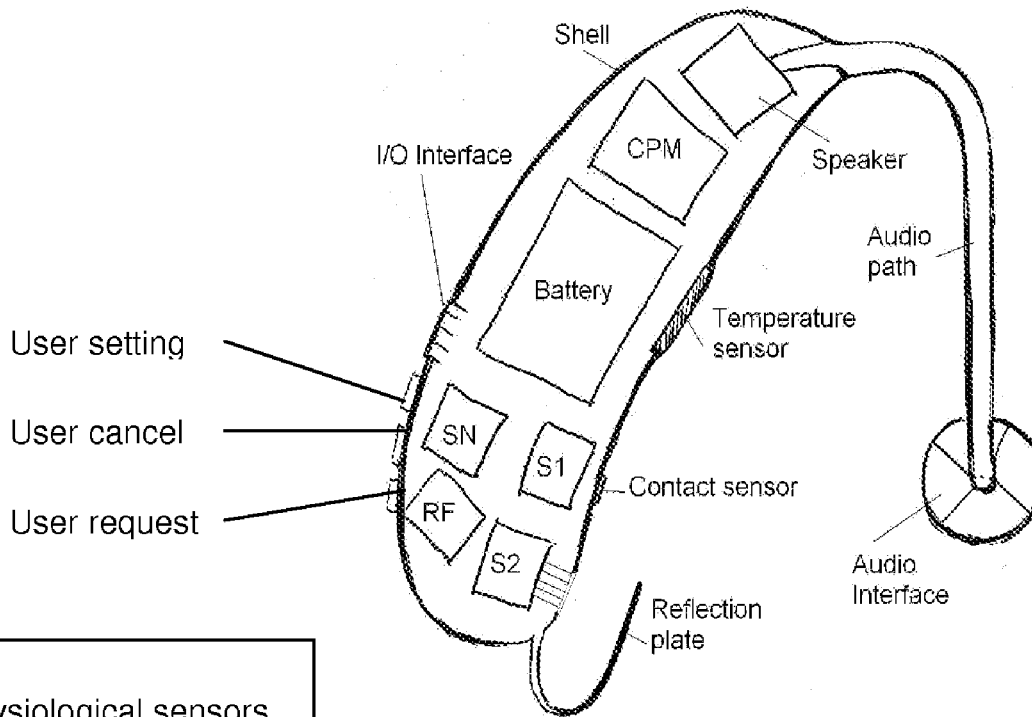
(73) Assignee: **Hongyue Luo, Waterloo (CA)**

(21) Appl. No.: **11/675,684**

(22) Filed: **Feb. 16, 2007**

**Publication Classification**

(51) **Int. Cl.**  
**A61B 5/00** (2006.01)



Note:  
 S1: Physiological sensors  
 S2: Activity sensors  
 SN: New sensors  
 RF: Wireless link

**System Overview**

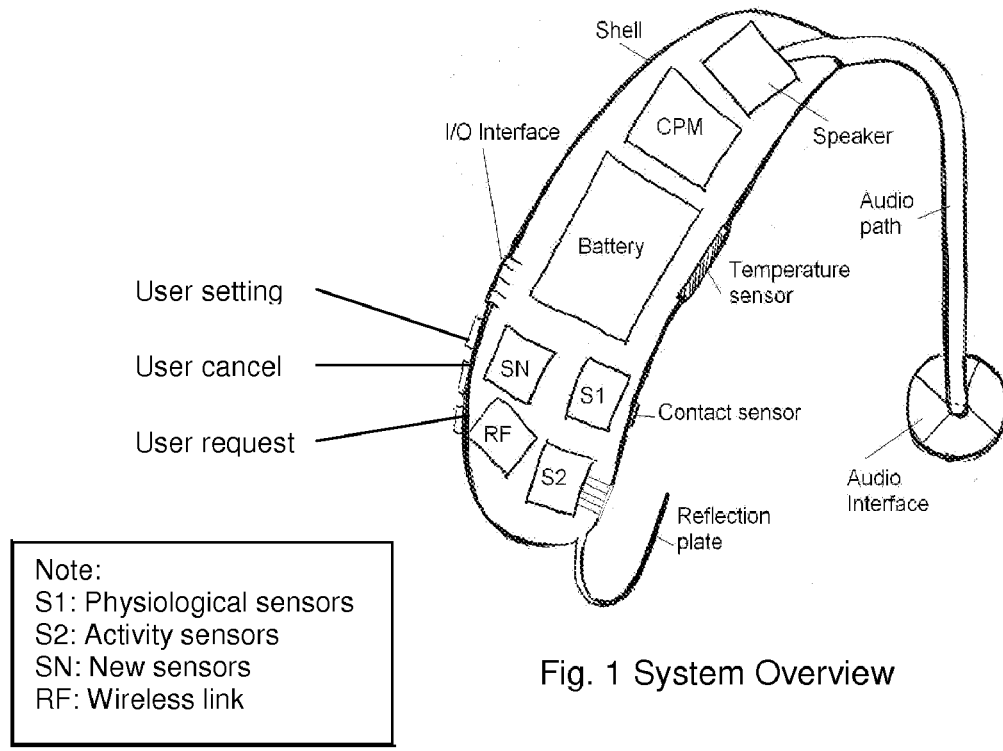


Fig. 1 System Overview

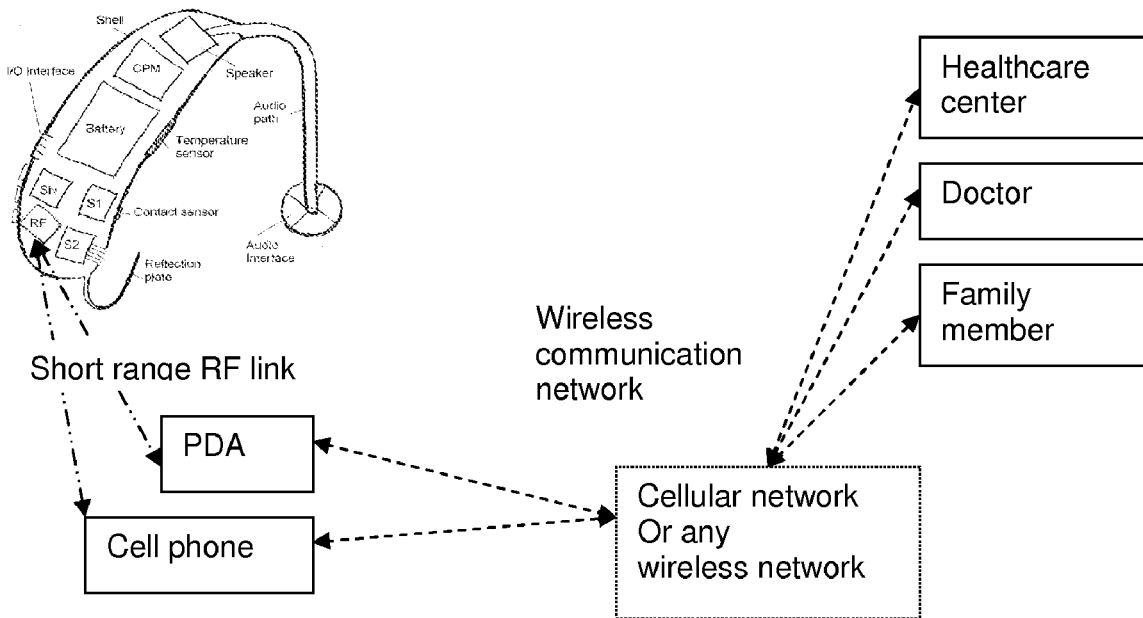


Fig. 2 System application overview

1

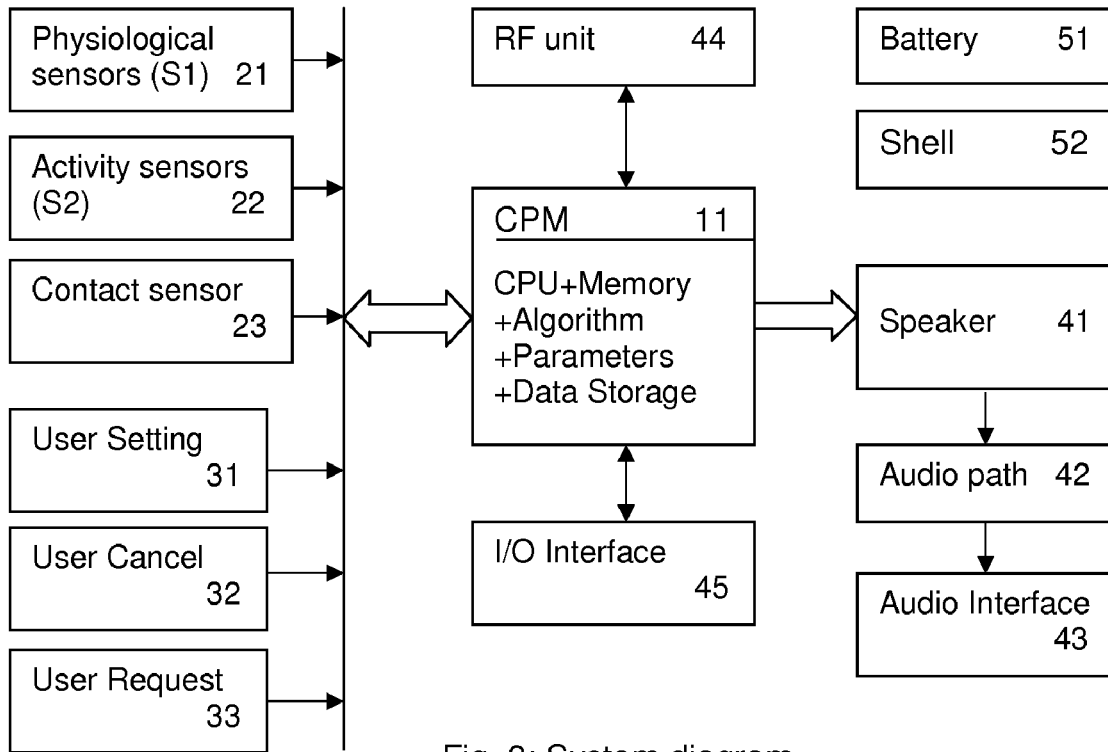


Fig. 3: System diagram

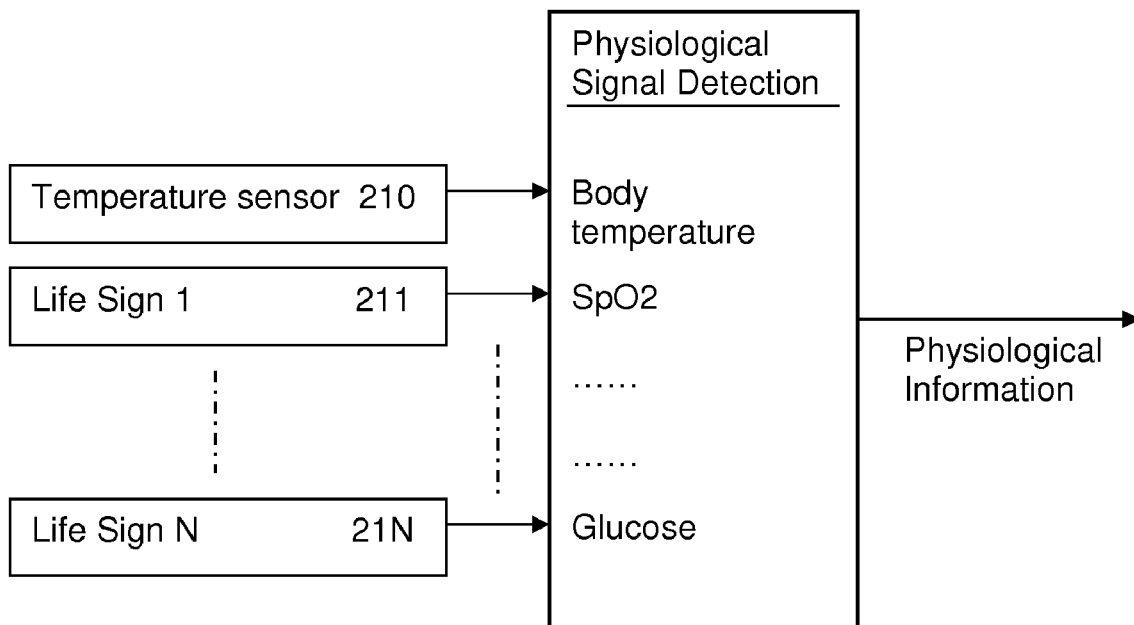


Fig. 4: Physiological Signal Monitoring

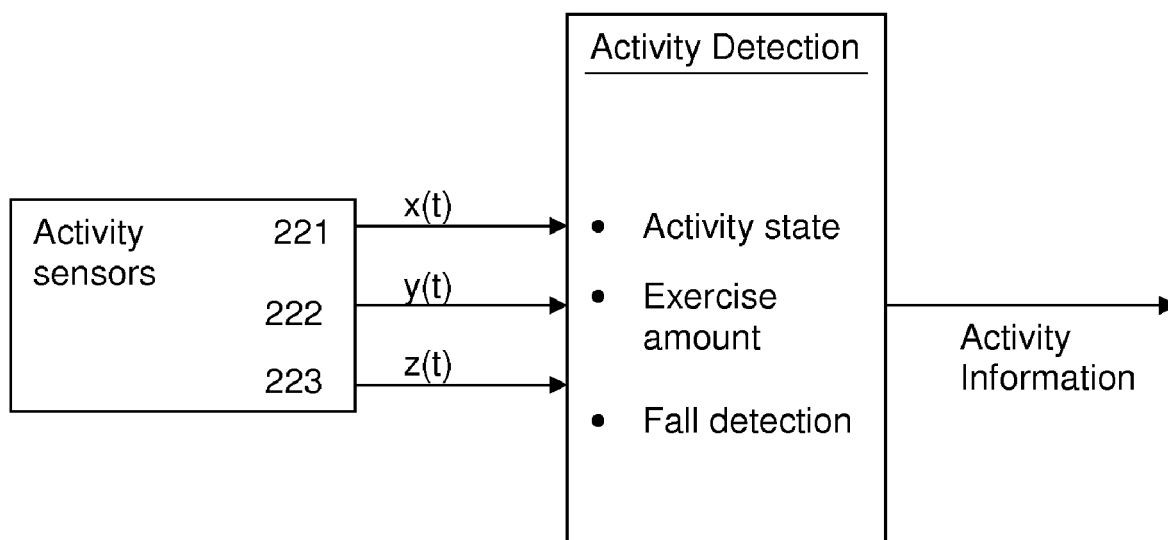


Fig. 5: Activity Monitoring

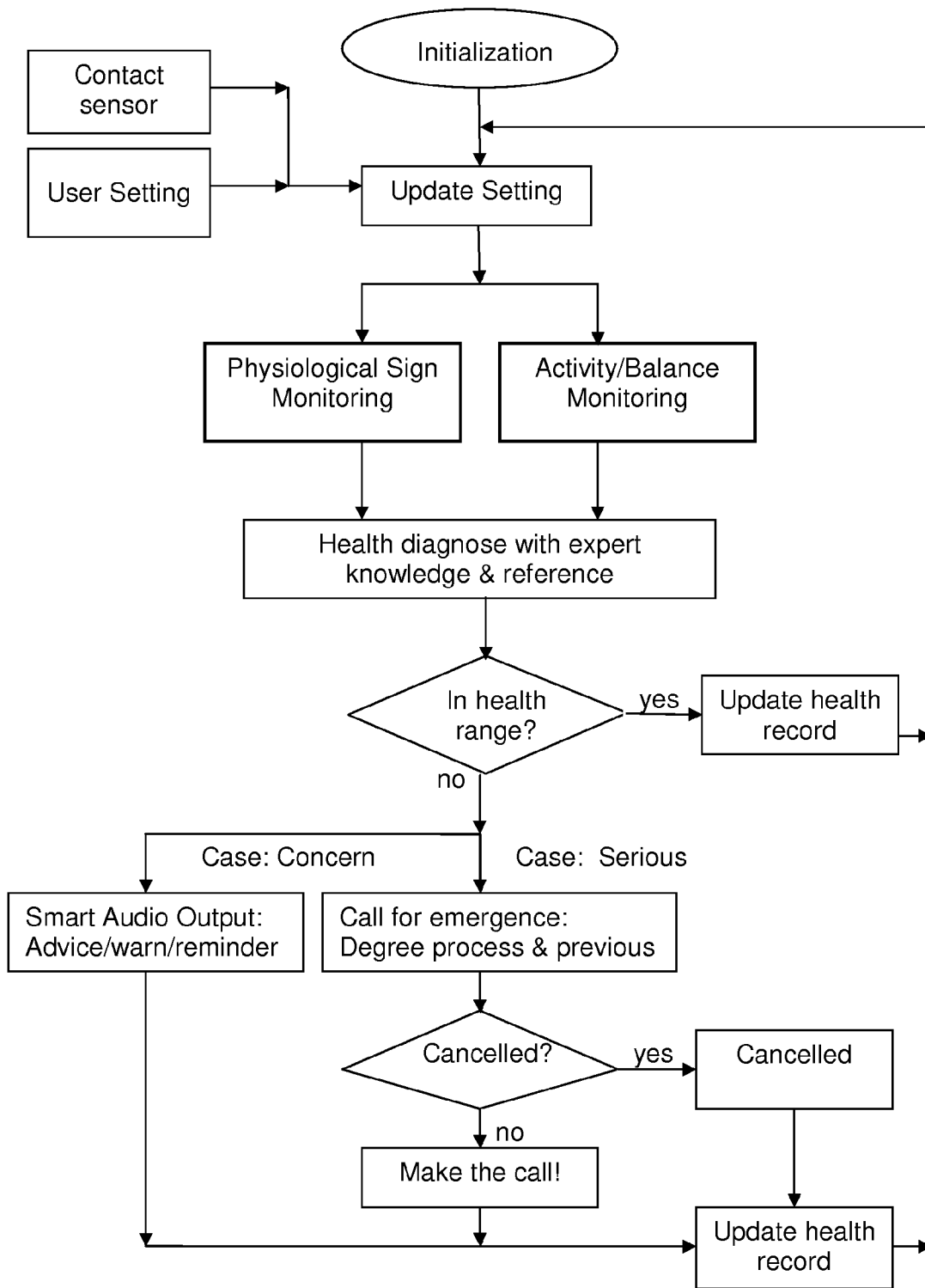


Fig. 6: System Principle

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.