US 20050116820A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2005/0116820 A1**

Goldreich (43) **Pub. Date: Jun. 2, 2005**

(54) **METHOD AND DEVICE FOR MEASURING PHYSIOLOGICAL PARAMETERS AT THE WRIST**

(76) Inventor: **Rami Goldreich**, Rosh Ha'ayin (IL)

Correspondence Address:
Martin Moynihan
Anthony Castorina
Suite 207
2001 Jefferson Davis Highway
Arlington, VA 22202 (US)

(21) Appl. No.: **10/497,169**

(22) Filed: **Jun. 9, 2004**

Related U.S. Application Data

(63) Continuation-in-part of application No. 10/006,357, filed on Dec. 10, 2001, now abandoned.

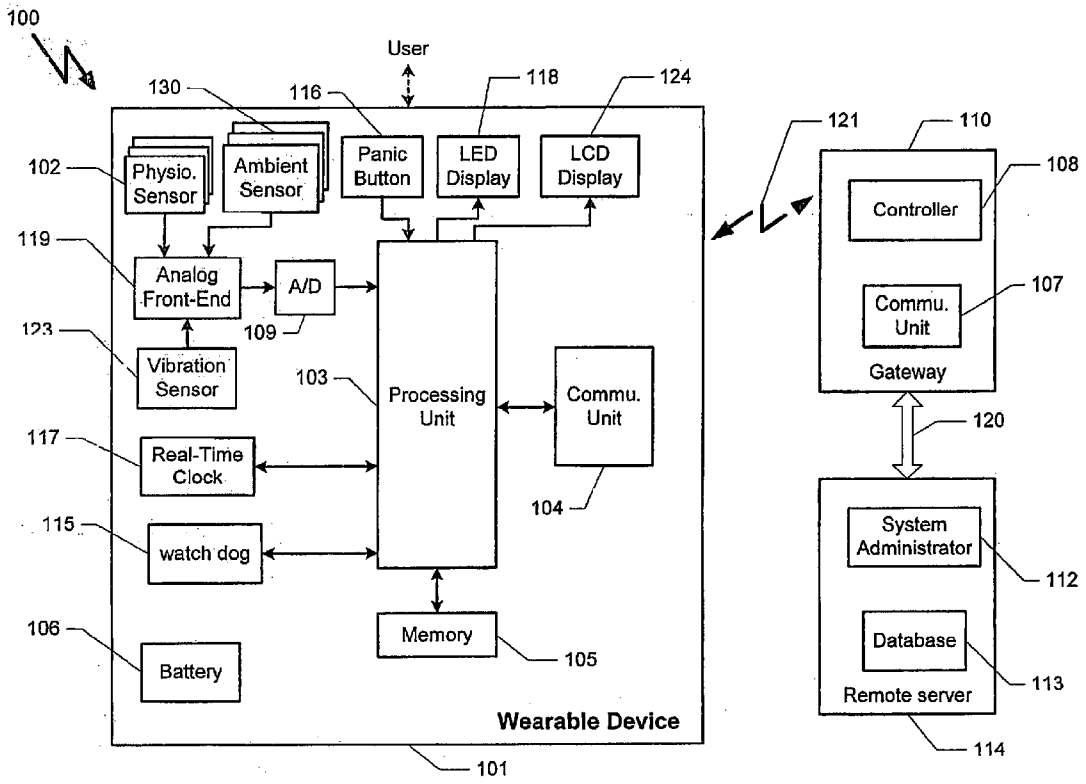
Publication Classification

(51) **Int. Cl.**[7] **G08B 1/08**

(52) **U.S. Cl.** **340/539.12**; 600/300

(57) **ABSTRACT**

A wrist-mounted device for measuring at least one physiological parameter of a subject. The present invention enables such a measurement to preferably be transformed into clinically useful information about the subject. Such information may then optionally be sent to medical personnel, for example at a contact and/or monitoring center, through a gateway device. The gateway device preferably communicates with the wrist-mounted device of the present invention through a wireless communication channel.



DOCKET ALARM

Find authenticated court documents without watermarks at docketalarm.com.

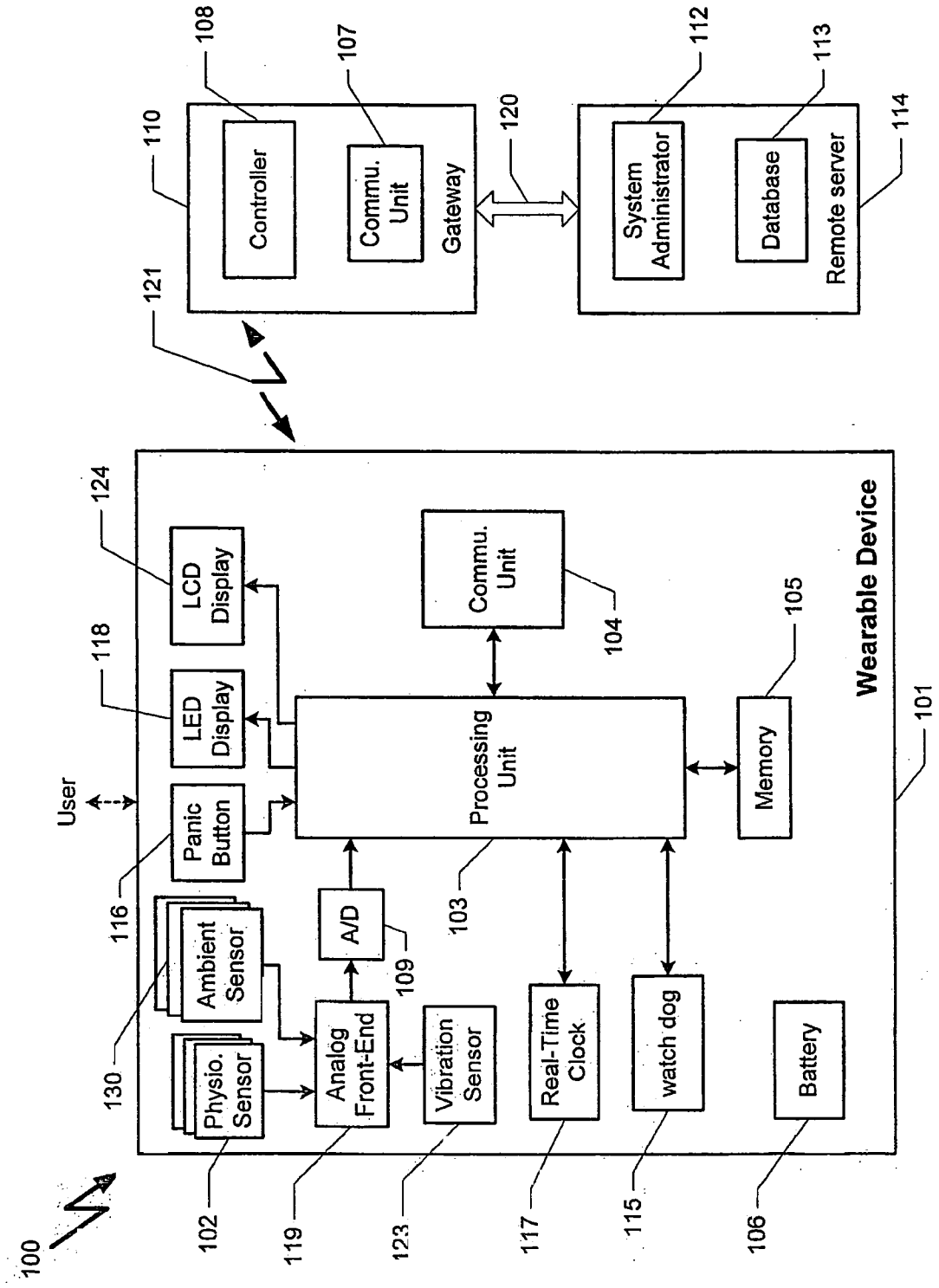


FIG. 1

DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

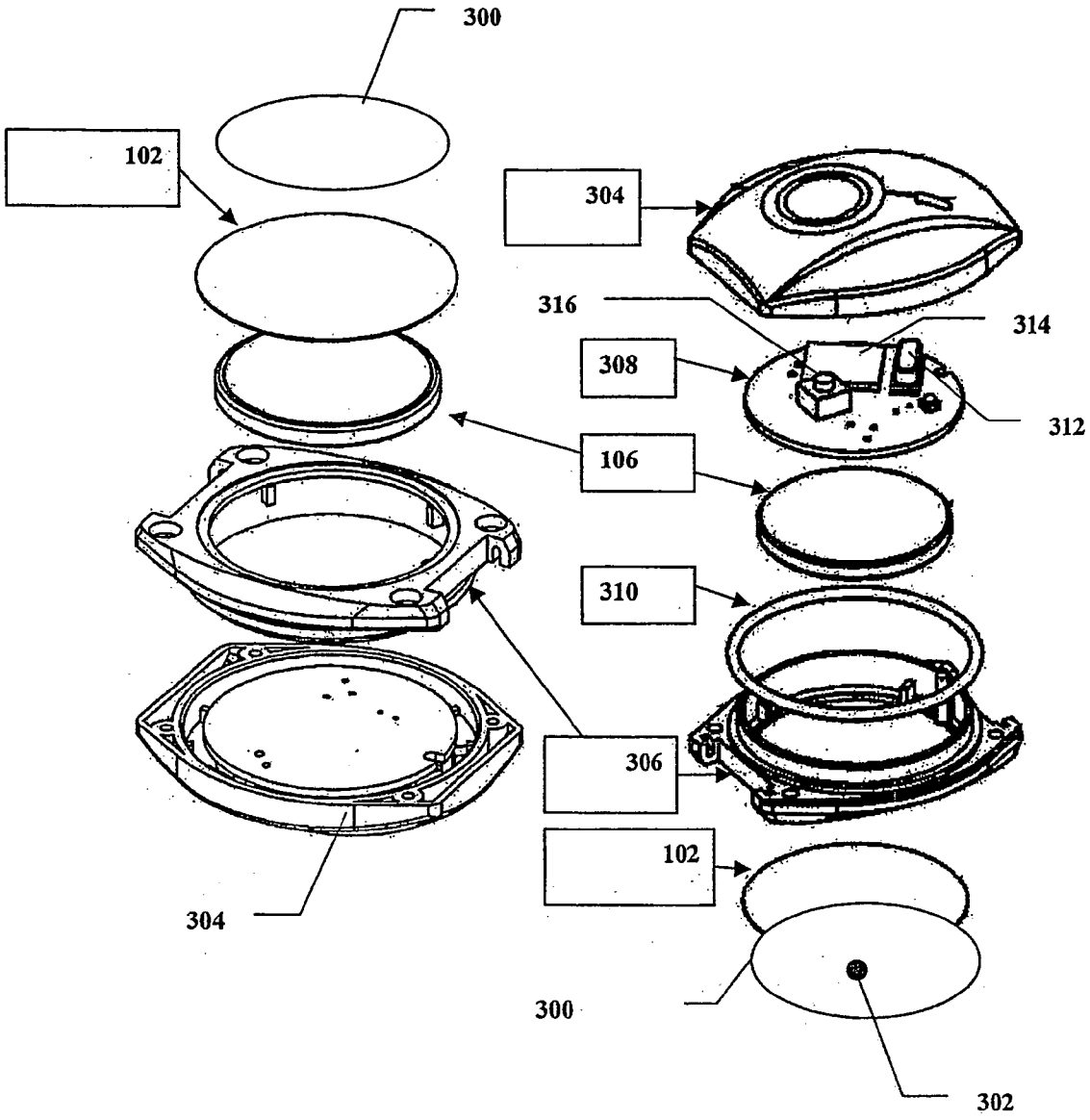
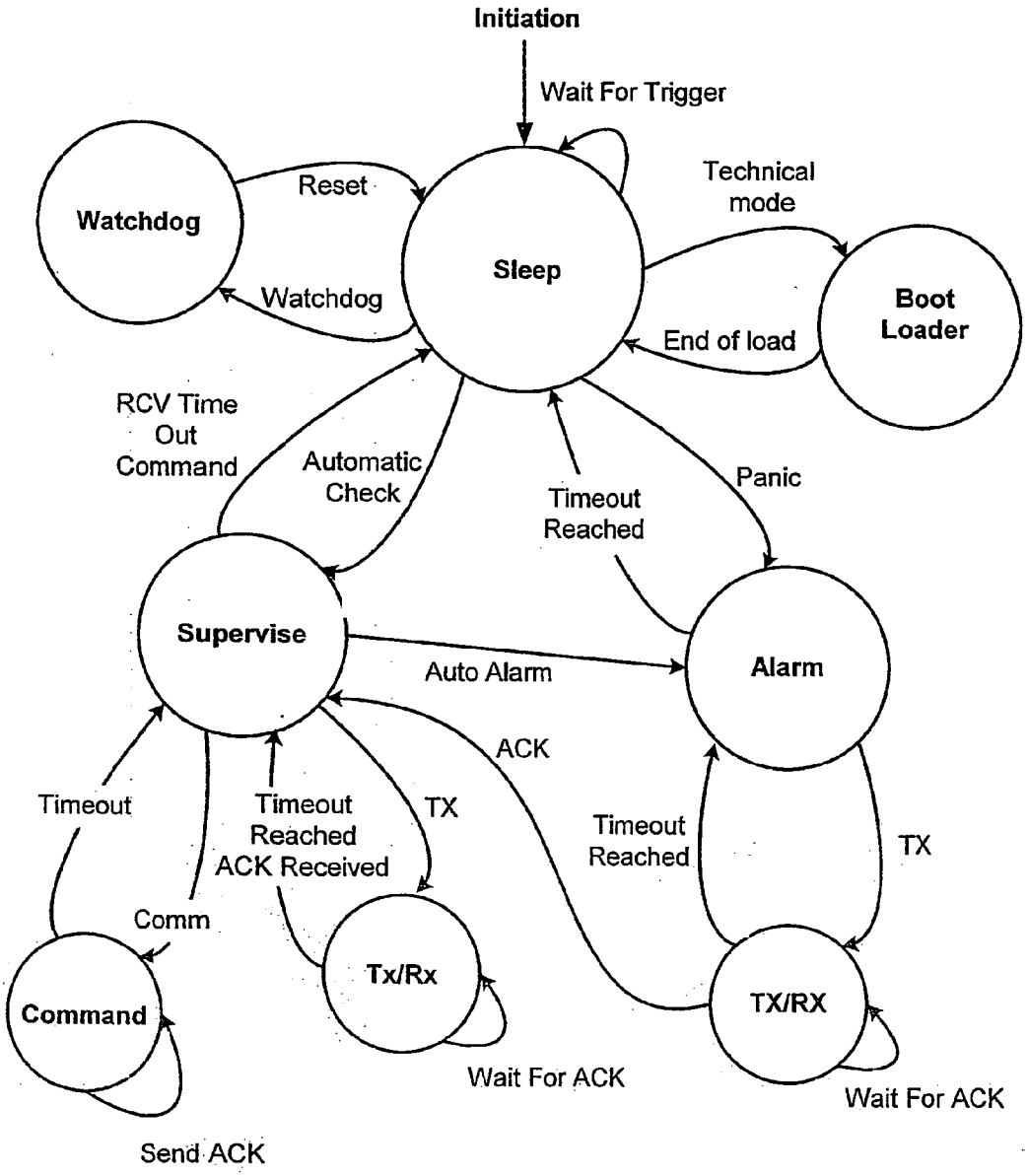


FIG. 2

DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

FIG. 3



DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

FIG. 4

STX	Len	Flag	Addr(msb)	Addr(mid)	Addr(lsb)	CMD	Data (0)	...	Data (n)	CRC(msb)	CRC(lsb)	ETX

STX Start of TX indicates the beginning of the message (7E hex).

Len indicates the number of data bytes that the message contains (0 to n + 2 bytes).

Len = 0 – No command.

Len = 1 – command only; the message not include data(0) through data(n)

Len >2 – the message includes command and data.

Flag status bits (1 byte)

Addr the user ID of the bracelet, 24 bits (0 to16777216).

CMD command description.

Data(n) the data of the message.

CRC the CRC (2 bytes) for the message beginning from STX byte to Data(n) byte

ETX End of TX indicates the end of the message (7B hex)

DOCKET ALARM Find authenticated court documents without watermarks at docketalarm.com.

DOCKET ALARM

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.