



US 20080168286A1

(19) **United States**

(12) **Patent Application Publication**  
**Tupman**

(10) **Pub. No.: US 2008/0168286 A1**

(43) **Pub. Date: Jul. 10, 2008**

(54) **POWER MANAGEMENT SYSTEMS AND METHODS**

(52) **U.S. Cl. .... 713/320**

(76) **Inventor: David Tupman, San Francisco, CA (US)**

(57) **ABSTRACT**

Correspondence Address:  
**ROPES & GRAY LLP**  
**PATENT DOCKETING 39/361, 1211 AVENUE OF THE AMERICAS**  
**NEW YORK, NY 10036-8704**

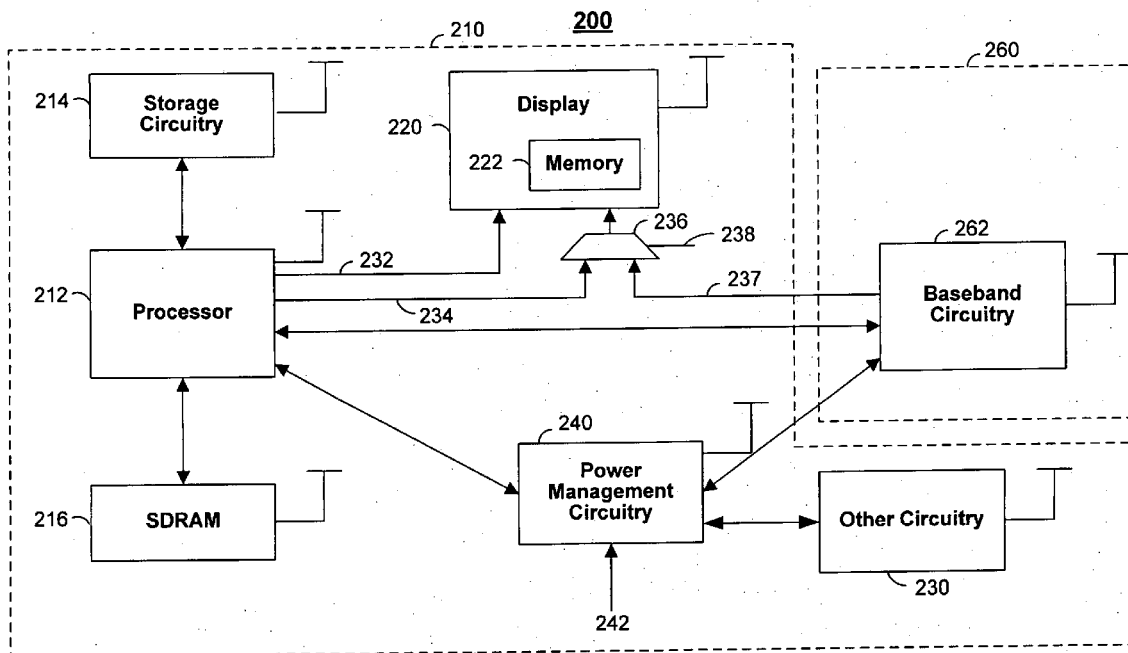
Systems and methods for efficiently managing power consumption in portable electronic devices are provided. In one embodiment, power management circuitry may operate the device in a low power mode (e.g., a HIBERNATION mode), but enables the device to quickly become fully operational in response to a power-ON event, despite having been in that low power mode. This may be accomplished by powering a processor engaging memory (e.g., SDRAM) while other circuitry are powered OFF. In another embodiment, the display may be driven by an application portion when operating in an ON mode, but may be driven by a carrier portion when the application is operating in a low power mode. In another embodiment, various discrete circuitry portions are selectively turned ON and OFF, depending, for example, on whether a particular discrete circuitry portion is idle or its processing functionality is not needed.

(21) **Appl. No.: 11/650,073**

(22) **Filed: Jan. 4, 2007**

**Publication Classification**

(51) **Int. Cl. G06F 1/32 (2006.01)**



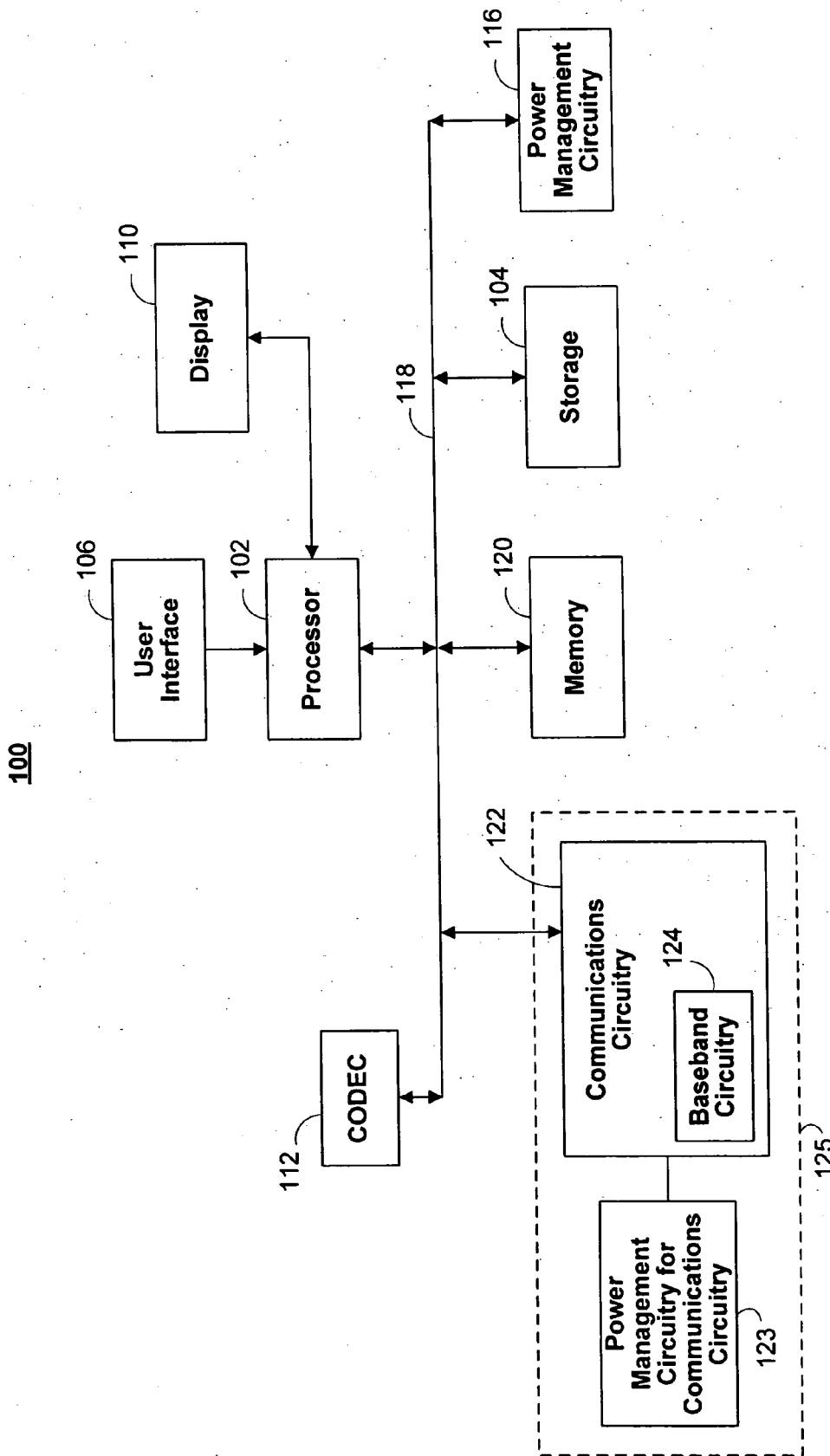


FIG. 1

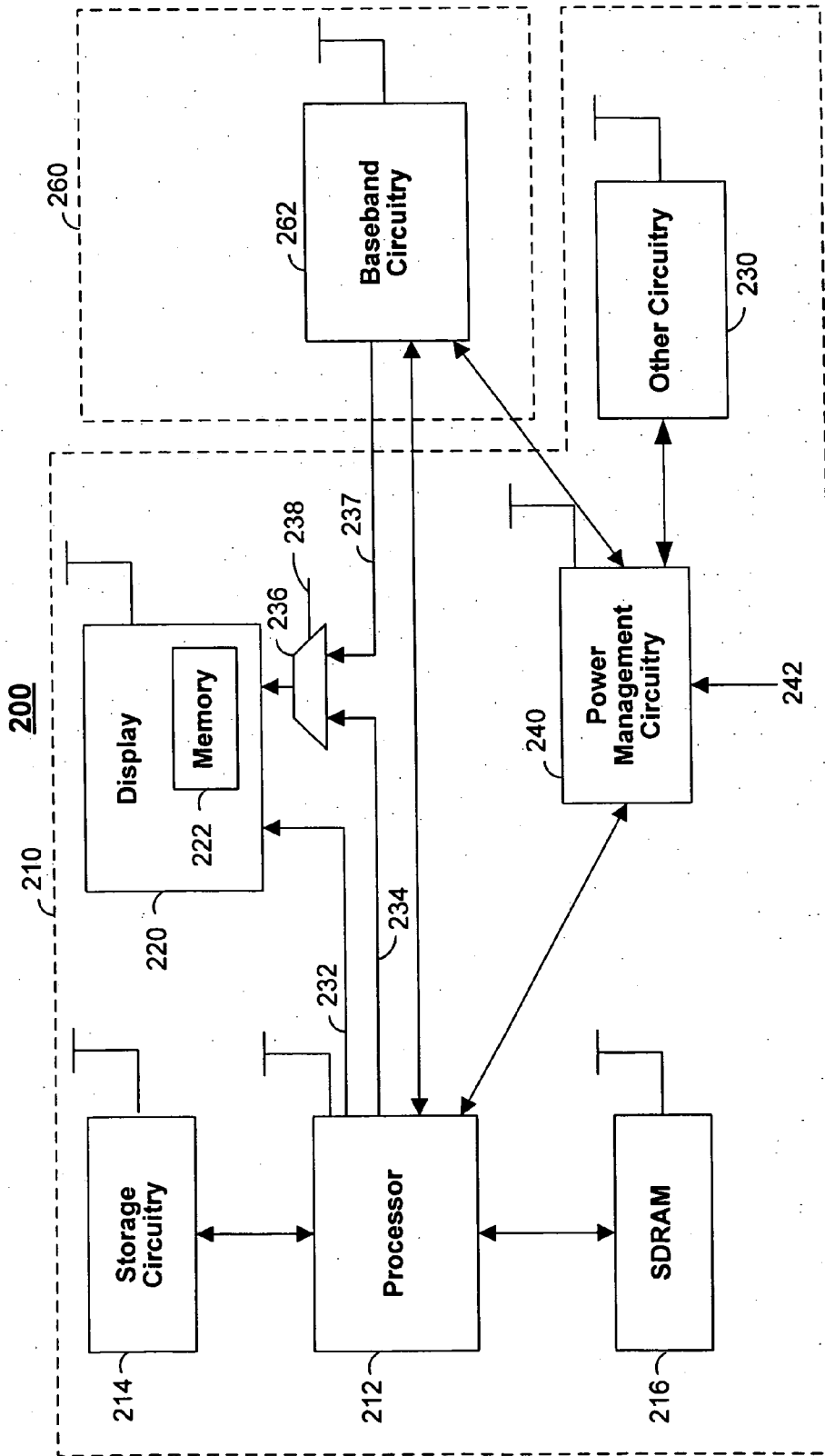
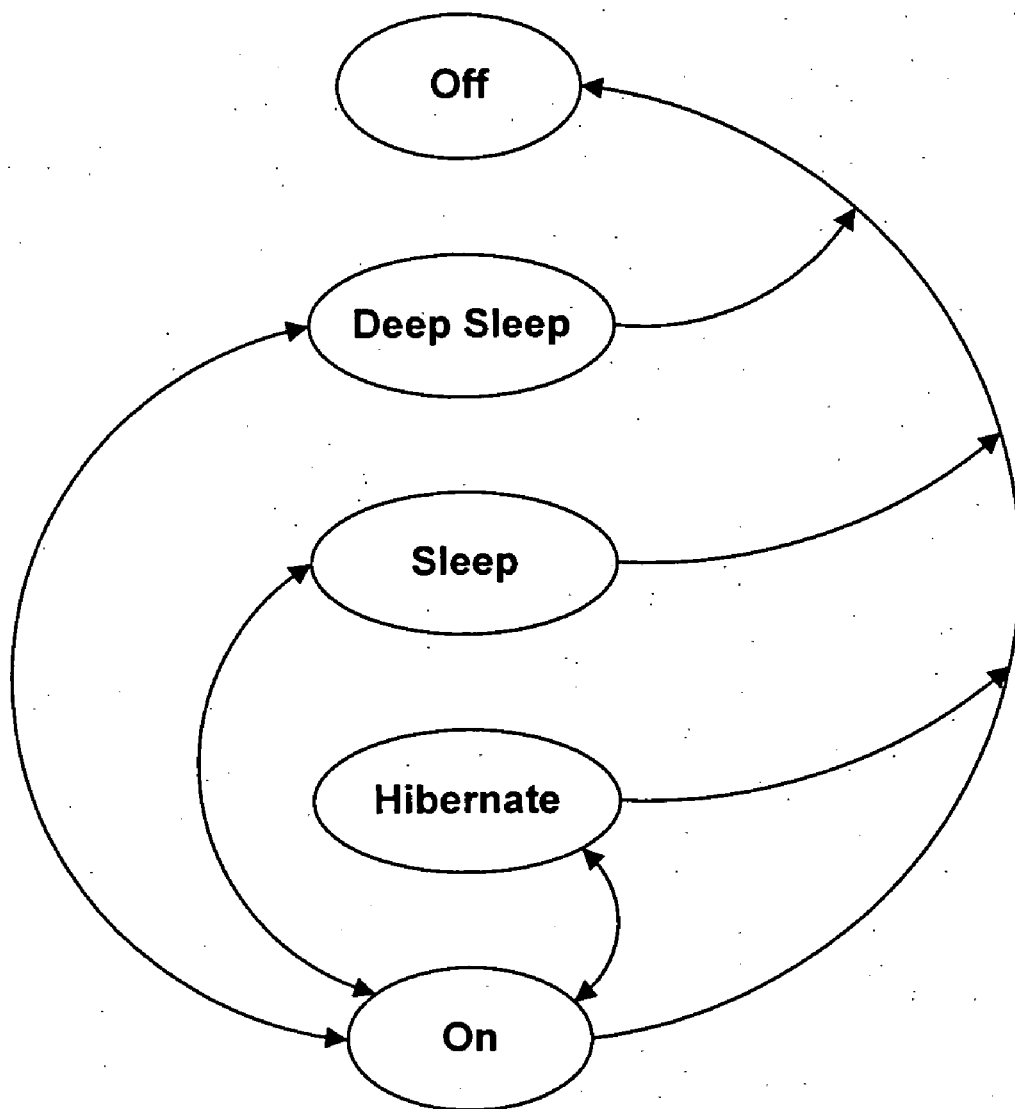
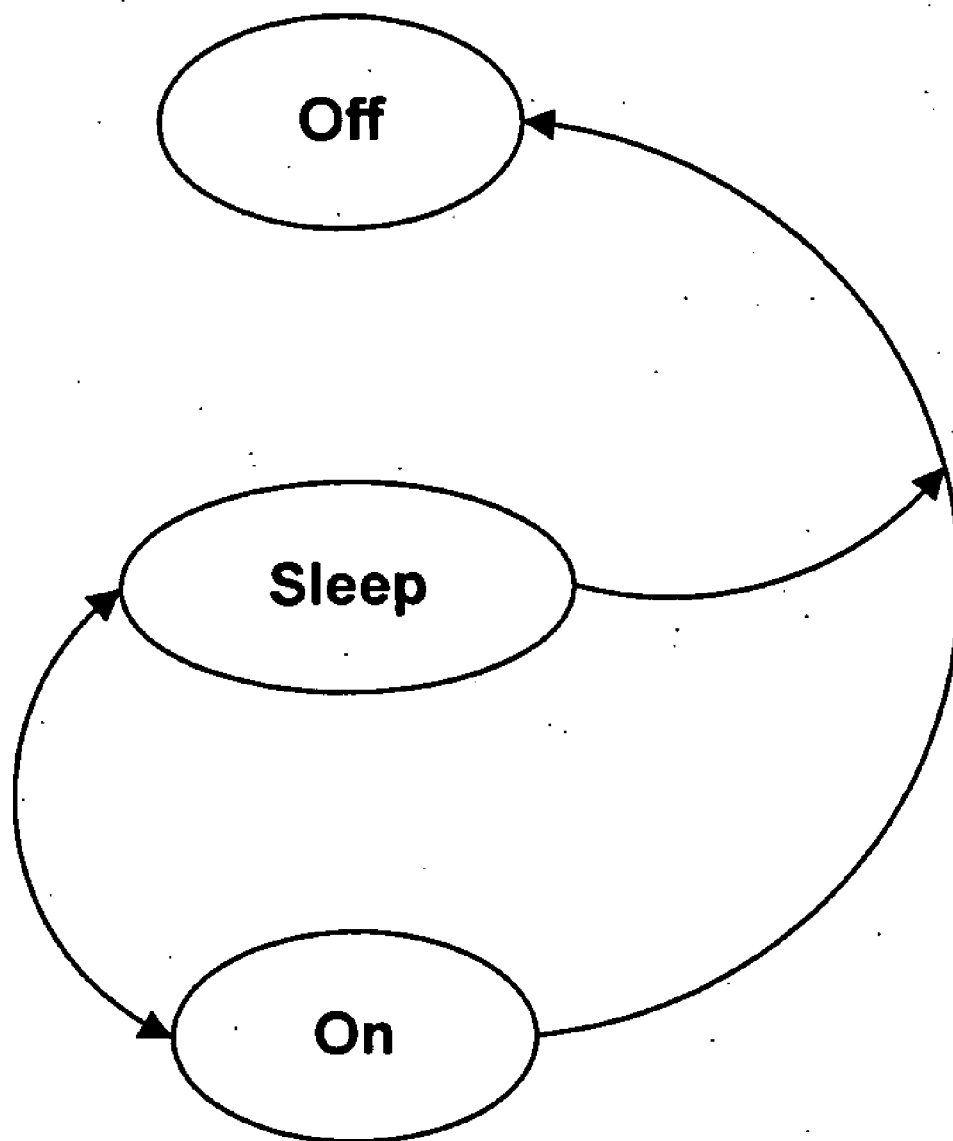


FIG. 2



**FIG. 3**



**FIG. 4**

# 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.