

(12) **United States Patent**  
**Gardner et al.**

(10) **Patent No.:**      **US 7,454,002 B1**  
(45) **Date of Patent:**   **Nov. 18, 2008**

(54) **INTEGRATING PERSONAL DATA CAPTURING FUNCTIONALITY INTO A PORTABLE COMPUTING DEVICE AND A WIRELESS COMMUNICATION DEVICE**

6,135,951 A    10/2000 Richardson et al. .... 600/300

(Continued)

(75) Inventors: **Deane Gardner**, Cupertino, CA (US);  
**Mitz Kurobe**, Tokyo (JP)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **SportBrain, Inc.**, Sunnyvale, CA (US)

JP                    05252068 A \* 9/1993

(\* ) Notice:    Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 26 days.

(Continued)

(21) Appl. No.: **09/757,241**

OTHER PUBLICATIONS

(22) Filed:      **Jan. 8, 2001**

Doctors praise banned heart-fax device [online], [retrieved on Dec. 4, 2003]. Retrieved from the Internet <<http://www.cnn.com/2003/HEALTH/12/04/heart.device.ap/index.html>>.\*

**Related U.S. Application Data**

(Continued)

(63) Continuation-in-part of application No. 09/476,142, filed on Jan. 3, 2000, now abandoned.

(51) **Int. Cl.**  
**H04M 3/42**           (2006.01)  
**H04B 1/034**         (2006.01)  
**G01B 5/02**           (2006.01)

*Primary Examiner*—Curtis Kuntz  
*Assistant Examiner*—Joseph T Phan  
(74) *Attorney, Agent, or Firm*—Edell, Shapiro & Finnan, LLC

(52) **U.S. Cl.** ..... **379/201.05**; 455/100; 702/160

(57)                   **ABSTRACT**

(58) **Field of Classification Search** ..... 600/300;  
455/414.1, 403, 404.1, 412.2, 95, 91, 557,  
455/556.2, 556.1, 100; 379/201.05  
See application file for complete search history.

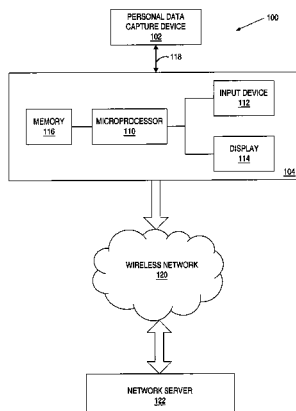
In one embodiment, personal data capturing functionality is integrated into a wireless communication device or a portable computing device by incorporating one or more personal parameter receivers into the wireless communication device or the portable computing device. In another embodiment, personal data capturing functionality is integrated into a wireless communication device or a portable computing device by attaching a personal data capture device to the wireless communication device or the portable computing device. The personal data capture device is configured to receive personal data of a user and transmit the personal data to the wireless communication device or the portable computing device, either of which is capable of transmitting the personal data to a network server over a wireless network.

(56)                   **References Cited**

U.S. PATENT DOCUMENTS

5,598,849 A	2/1997	Browne	600/520
5,722,418 A	3/1998	Bro	600/300
5,810,722 A	9/1998	Heikkila	600/300
5,827,179 A	10/1998	Lichter et al.	600/300
5,827,180 A	10/1998	Goodman	600/300
5,891,042 A	4/1999	Sham et al.	600/483
5,960,403 A	9/1999	Brown	705/2
5,976,083 A	11/1999	Richardson et al.	600/300
6,102,856 A	8/2000	Groff et al.	600/301
6,132,337 A	10/2000	Krupka et al.	482/8

**16 Claims, 7 Drawing Sheets**



U.S. PATENT DOCUMENTS

6,252,883	B1 *	6/2001	Schweickart et al. ....	370/441
6,349,126	B2	2/2002	Ogawa et al.	
6,512,456	B1 *	1/2003	Taylor, Jr. ....	340/573.1
6,605,038	B1 *	8/2003	Teller et al. ....	600/300
6,696,956	B1 *	2/2004	Uchida et al. ....	340/573.1
6,997,852	B2	2/2006	Watterson et al.	
7,030,735	B2	4/2006	Chen	
7,062,225	B2 *	6/2006	White .....	455/41.2
7,063,665	B2	6/2006	Hasegawa et al.	
2001/0007825	A1 *	7/2001	Harada et al. ....	463/7
2002/0072932	A1 *	6/2002	Swamy .....	705/2
2006/0073807	A1 *	4/2006	Baker .....	455/405

FOREIGN PATENT DOCUMENTS

WO WO 00/68913 A2 \* 11/2000

OTHER PUBLICATIONS

PCT Search Report dated Apr. 9, 2001, 4 pages.

Huhn, M., "New Gadgets Get A Workout," [25 paragraphs] NYPOST.com [Online]. Available: <http://www.nypost.com/technology/18546.htm>.

Time, Inventions 2000, Phone-In Checkups, Available: <http://www.sportbrain.com/AboutUs/images/ArticleTime.gif>.

Wall Street Journal, WSJ.com, "The Pursuit of Happiness," [7 paragraphs] Available: [http://www.sportbrain.com/AboutUs/images/ArticleWSJ\\_o.gif](http://www.sportbrain.com/AboutUs/images/ArticleWSJ_o.gif).

Fort, J. (May 27, 2000) "Exercise Buff Strap On Latest In Workout Technology" [28 paragraphs] SiliconValley.com [Online]. Available: <http://www.sjmercury.com/svtech/computing/center/sport052800.htm>.

Huhn, M., "New Gadgets Get A Workout," [25 paragraphs] NYPOST.com [Online]. Available: <http://www.nypost.com/technology/18546.htm>, Dec. 21, 2000.

Time, Inventions 2000, Phone-In Checkups, Available: <http://www.sportbrain.com/AboutUs/images/ArticleTime.gif>, year 2000.

Wall Street Journal, WSJ.com, "The Pursuit of Happiness," [7 paragraphs] Available: [http://www.sportbrain.com/AboutUs/images/ArticleWSJ\\_o.gif](http://www.sportbrain.com/AboutUs/images/ArticleWSJ_o.gif), Feb. 9, 2001.

\* cited by examiner

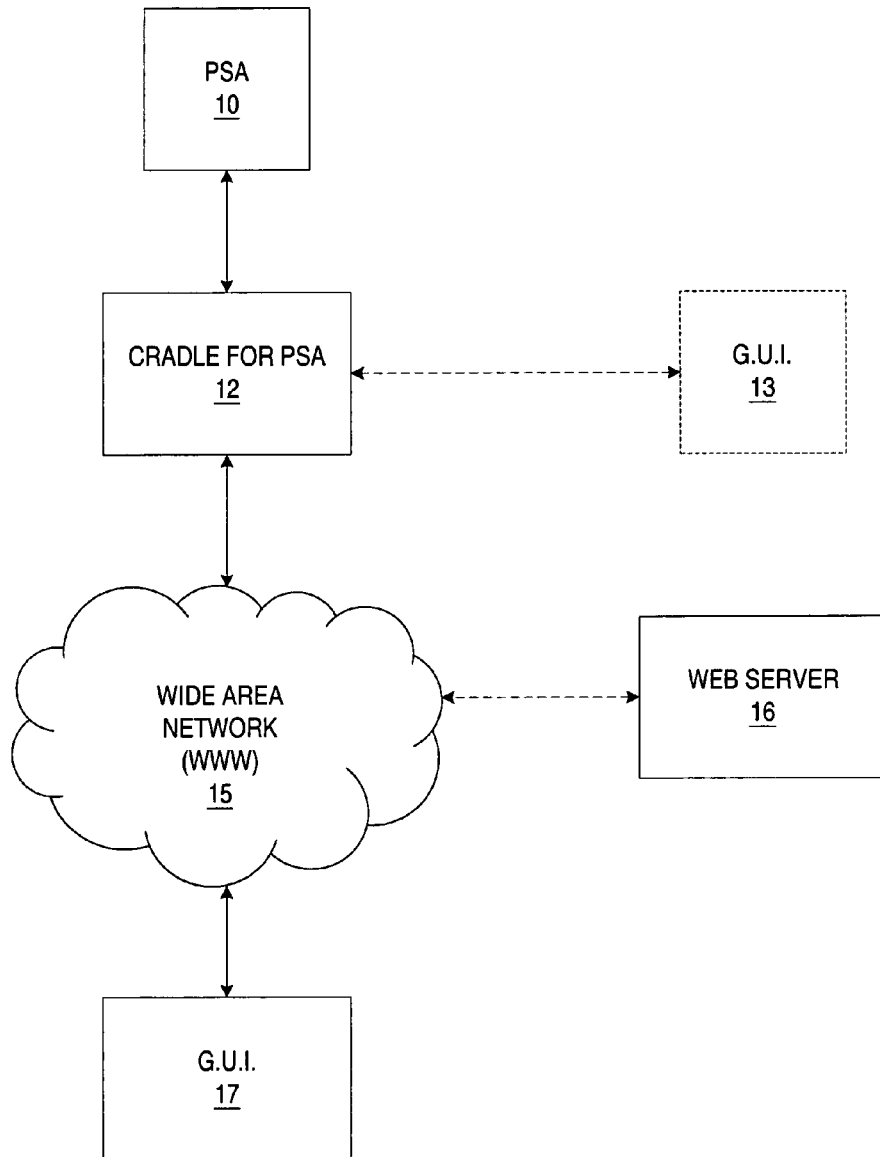


FIG. 1 A

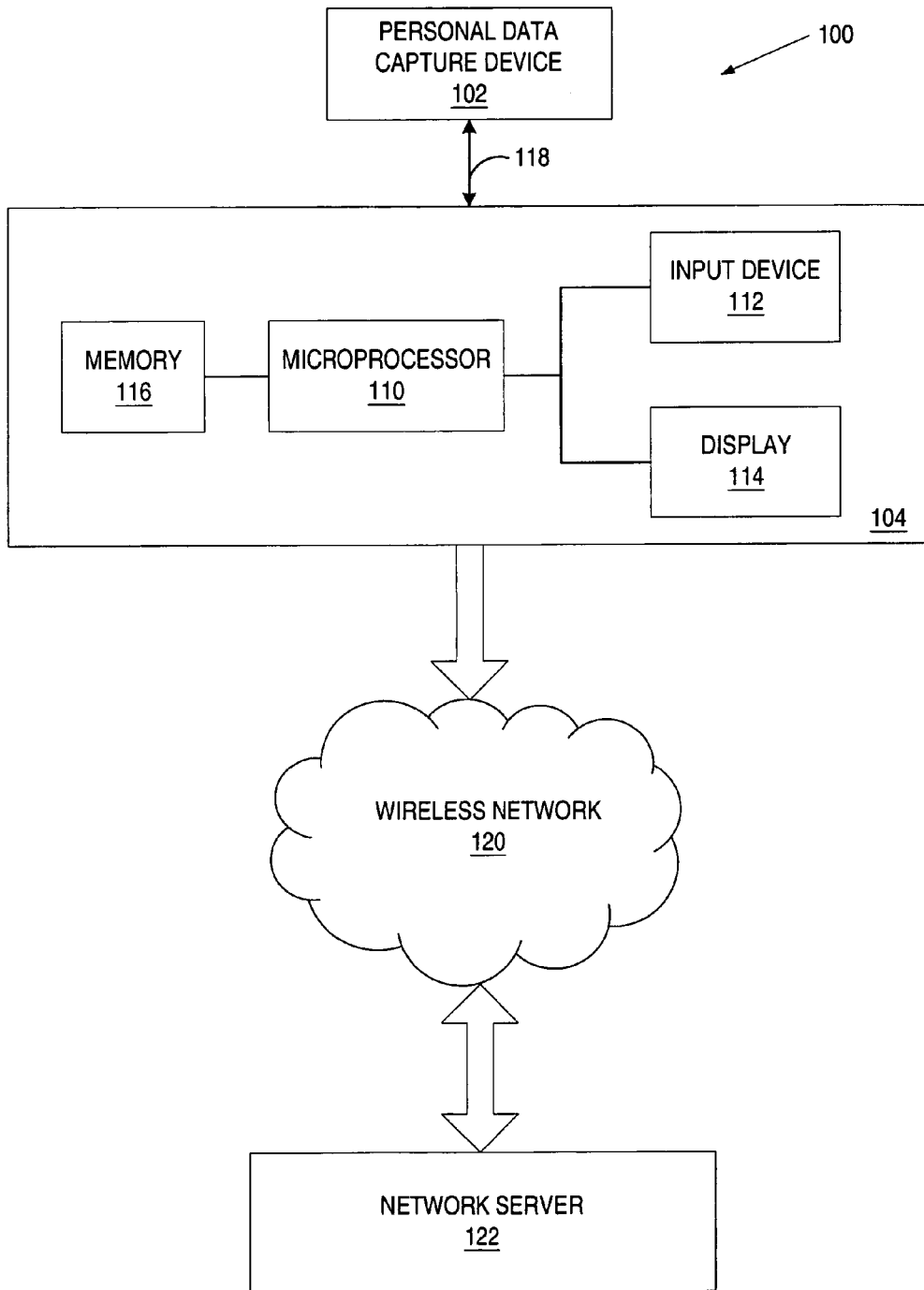


FIG 1B

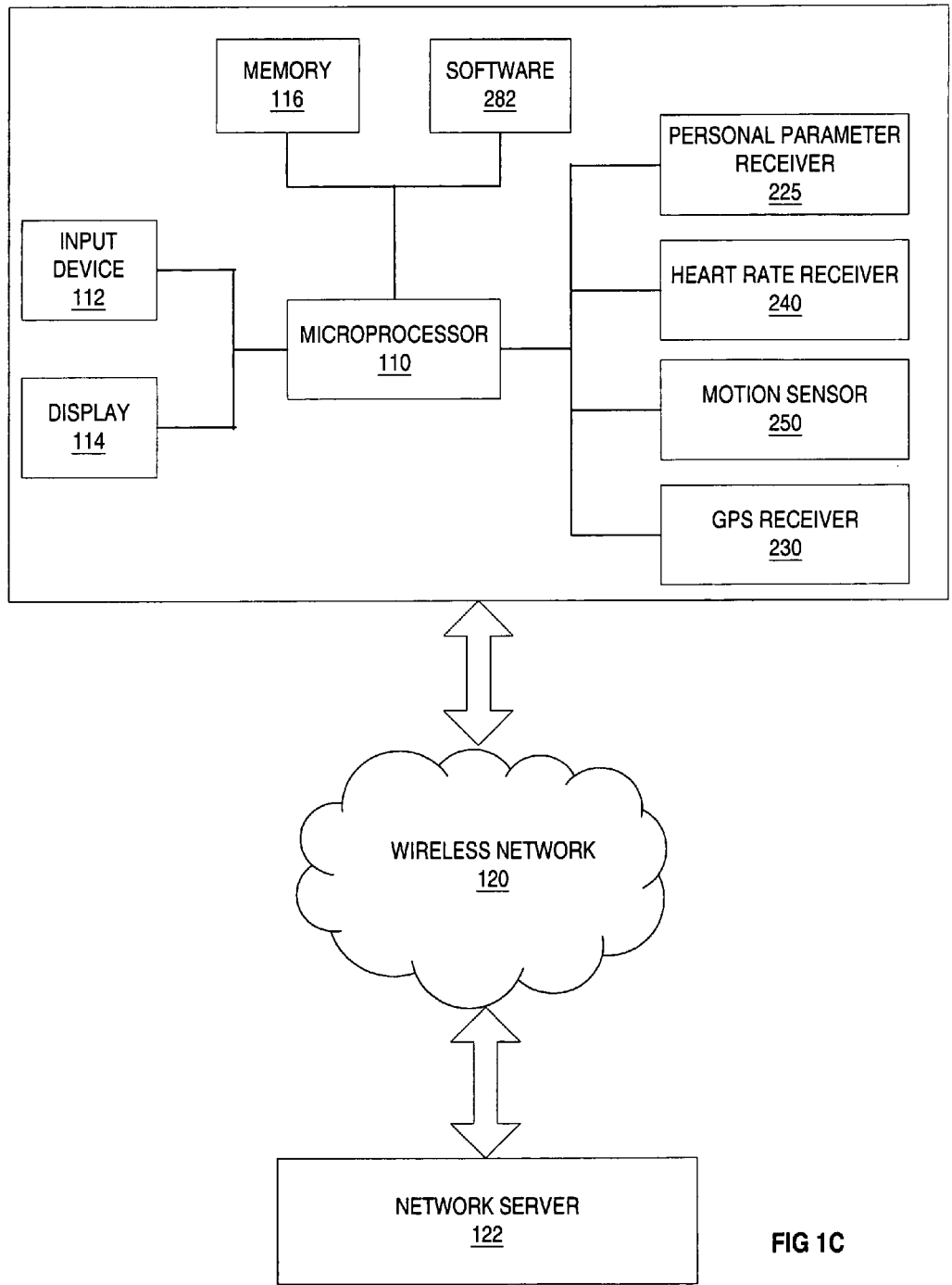


FIG 1C

# 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.