

[54] DEVICE SECURITY SYSTEM

[76] Inventor: Jeremy M. Isikoff, 5840 Cameron Run Terr., #1527, Alexandria, Va. 22303

[21] Appl. No.: 751,842

[22] Filed: Nov. 18, 1996

[51] Int. Cl.⁶ G08B 13/14

[52] U.S. Cl. 340/568; 340/571; 340/539; 340/825.31; 395/182.04; 395/182.13; 395/489; 395/186; 395/187.01

[58] Field of Search 340/571, 568, 340/825.31, 691, 539; 395/182.04, 182.13, 489, 186, 187.01

[56] References Cited

U.S. PATENT DOCUMENTS

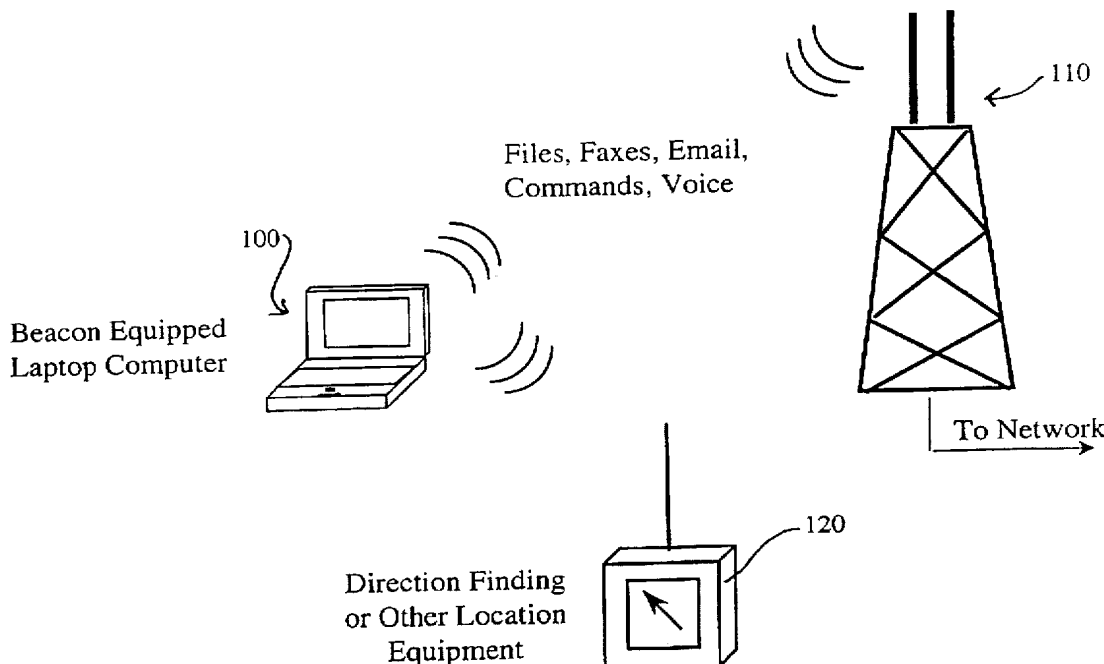
4,494,114	1/1985	Kaish	340/825.31
4,742,357	5/1988	Rackley	342/457
4,818,998	4/1989	Apsell et al.	342/44
4,908,608	3/1990	Reinke et al.	340/571
4,908,629	3/1990	Apsell et al.	342/457
4,954,836	9/1990	Sakuma	342/450
4,985,695	1/1991	Wilkinson et al.	340/571
5,021,794	6/1991	Lawrence	342/457
5,157,405	10/1992	Wycoff et al.	342/386
5,293,115	3/1994	Swanson	324/110
5,317,304	5/1994	Choi	340/571
5,327,144	7/1994	Stulp et al.	342/387
5,365,516	11/1994	Jandrell	370/18
5,406,261	4/1995	Glenn	340/571
5,418,537	5/1995	Bird	342/357
5,485,163	1/1996	Singer et al.	342/457
5,497,149	3/1996	Fast	340/988
5,508,708	4/1996	Ghosh et al.	342/457
5,578,991	11/1996	Scholder	340/571

Primary Examiner—Jeffery Hofsass
Assistant Examiner—Benjamin C. Lee
Attorney, Agent, or Firm—Lahive & Cockfield, LLP

[57] ABSTRACT

An object tracking, communication, and management system for a laptop computer or similar device, wherein a beacon or transceiver in the computer implements file integrity or device recovery steps. The beacon protects data, or transmits files or data from computer storage back to the owner or authorized party, either automatically or in response to a request for data recovery, and may broadcast a signal for tracking and recovery of the computer after a theft. Preferably the system also operates in a normal mode to provide or acquire files or data, to or from a remote location, as either requested by the operator or by a third, calling or transmitting party, or automatically, for normal communications or data upkeep. When activated as a security device it implements strategic machine control including enabling, disabling, or modifying functions of the computer and communication of data. The system includes a beacon with preferably both a transmitter and a receiver, internal security logic, and external system elements for locating the beacon via either RF tracking or the communication of its position coordinates back to the owner via the transmitter. A combination of hardware and/or software within the beacon and the host system initiates and coordinates operation of the aforementioned communications or security features. Tamper detection logic implemented in software or hardware responds to tampering or removal of the beacon or other components by alerting via the transmitter and/or disabling functionality of the host. Preferably low level codes operate at the bios level to assure effective operation even when higher level software or plug-in components have been overridden or removed.

18 Claims, 6 Drawing Sheets



HTC EX. 1016

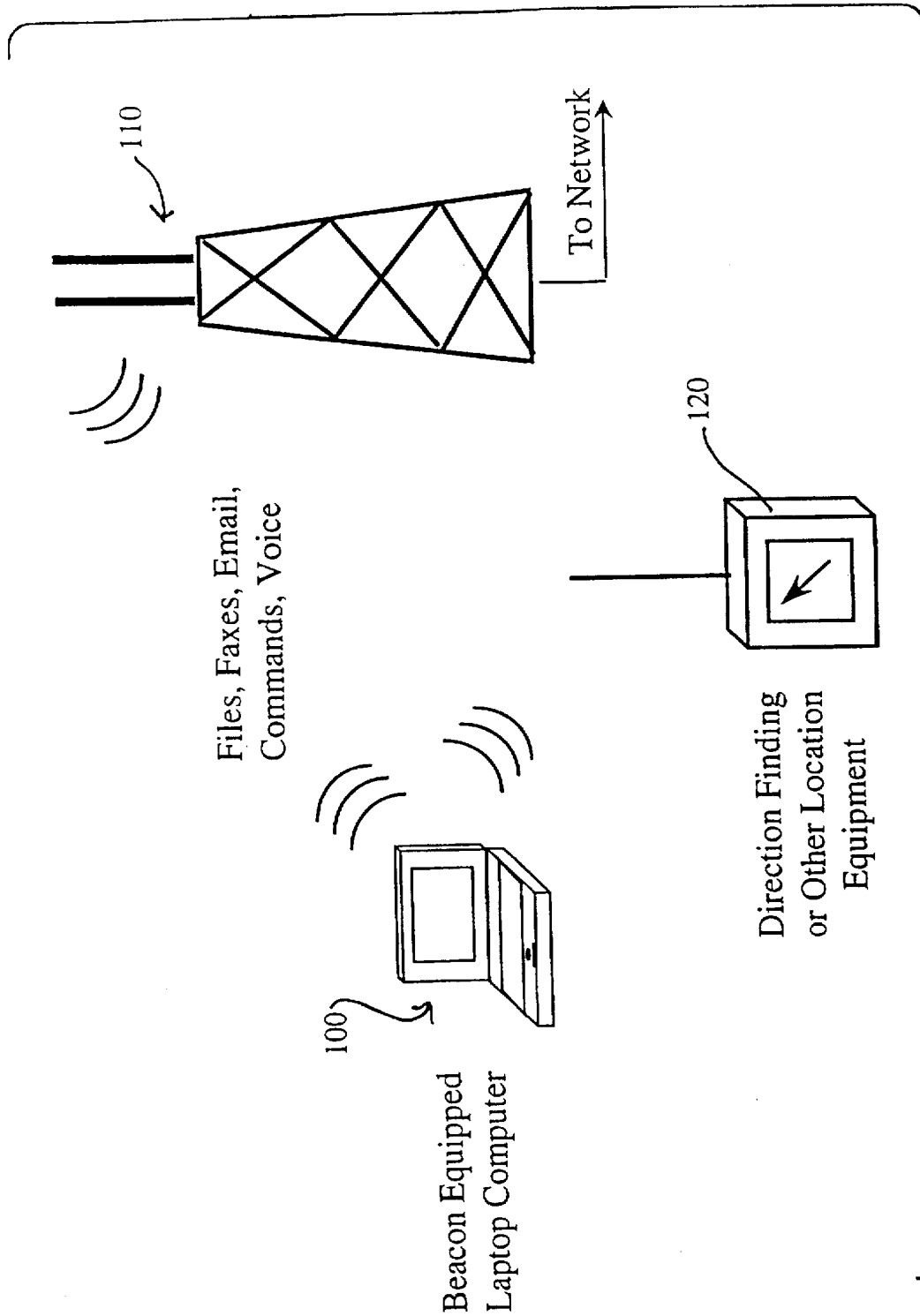


Figure 1

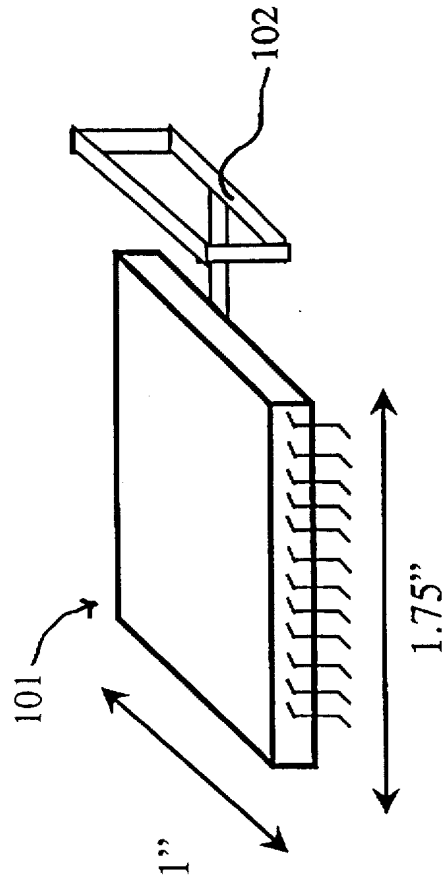


Figure 2

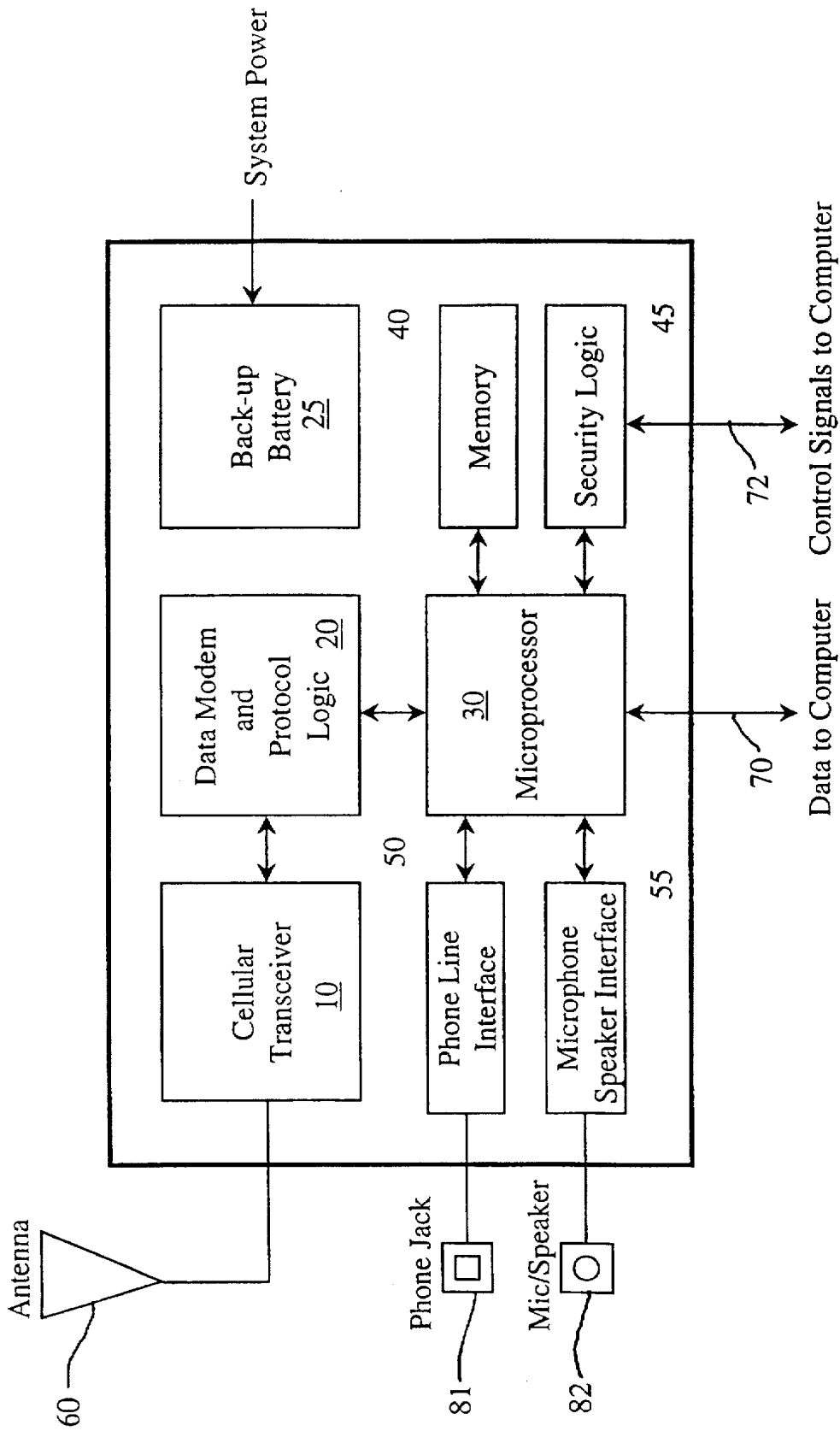


Figure 3

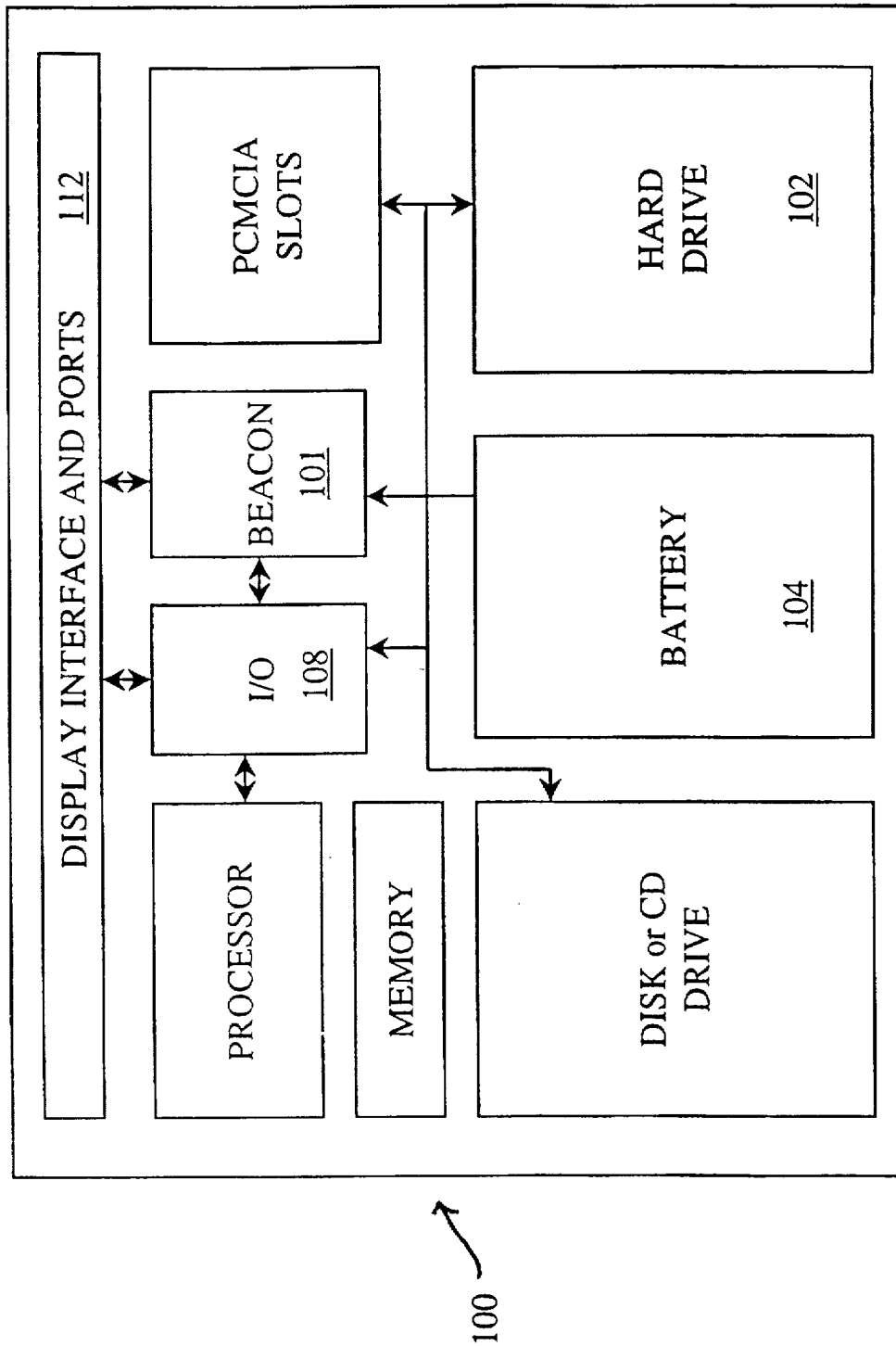


Figure 4

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.