

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2007/0239019 A1 Richard et al.

Oct. 11, 2007 (43) Pub. Date:

(54) PORTABLE ULTRASONIC IMAGING PROBE THAN CONNECTS DIRECTLY TO A HOST **COMPUTER**

(76) Inventors: William D. Richard, Ballwin, MO (US); Roman Solek, Pleasanton, CA (US); David M. Zar, Maryland Heights, MO (US)

> Correspondence Address: FLIESLER MEYER LLP 650 CALIFORNIA STREET 14TH FLOOR SAN FRANCISCO, CA 94108 (US)

(21) Appl. No.: 11/353,185

(22) Filed: Feb. 13, 2006

Publication Classification

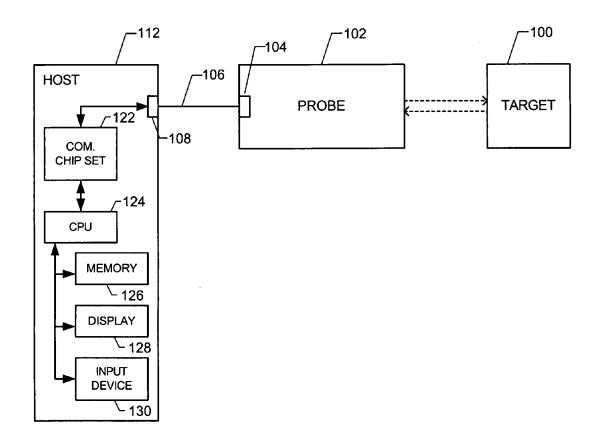
(51) Int. Cl.

A61B 8/00 (2006.01)

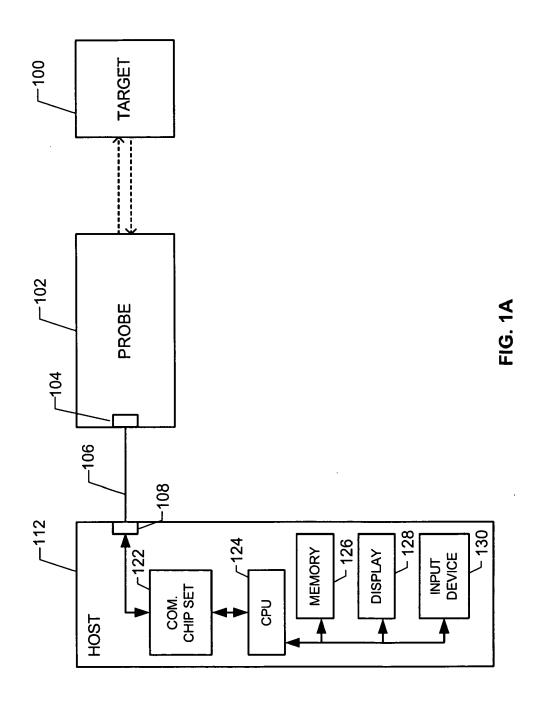
(52)

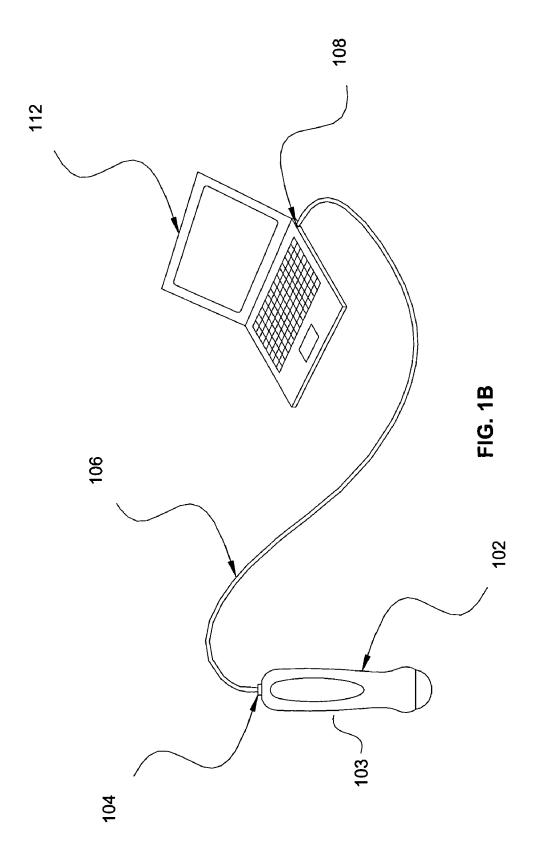
ABSTRACT (57)

A portable ultrasonic imaging probe is adapted to connect to a host computer via a passive interface cable, e.g., a standard USB 2.0 peripheral interface cable or a standard IEEE 1394 "Firewire" peripheral interface cable. In accordance with an embodiment, the portable ultrasound imaging probe includes a probe head, a logarithmic compressor, an envelope detector, and analog-to-digital converter and interface circuitry, all of which receive power from the host computer via the passive interface cable. To simplify the portable ultrasonic imaging probe, none of electronic beamforming, time gain compensation, gray-scale mapping and scan conversion are performed within the probe. This abstract is not intended to describe all of the various embodiments of the present invention, or to limit the scope of the invention.

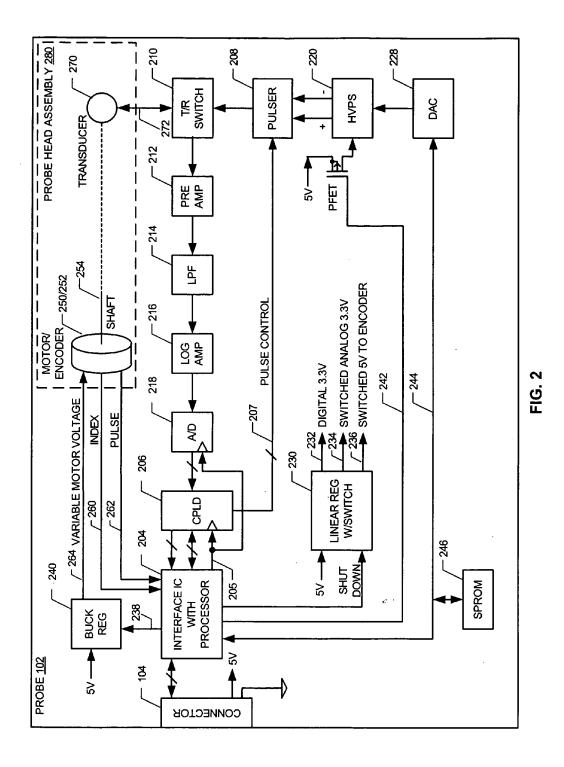


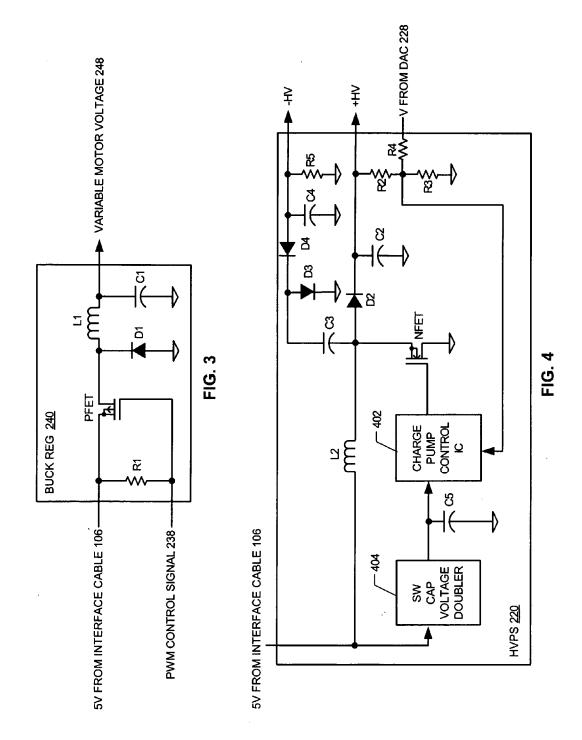












DOCKET

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.

