



US 20090067661A1

(19) **United States**

(12) **Patent Application Publication**

**Keady et al.**

(10) **Pub. No.: US 2009/0067661 A1**

(43) **Pub. Date: Mar. 12, 2009**

(54) **DEVICE AND METHOD FOR REMOTE ACOUSTIC PORTING AND MAGNETIC ACOUSTIC CONNECTION**

**Related U.S. Application Data**

(60) Provisional application No. 60/950,864, filed on Jul. 19, 2007.

(75) Inventors: **John P. Keady**, Boca Raton, FL (US); **Robert Schulein**, Schaumburg, IL (US)

**Publication Classification**

(51) **Int. Cl.**  
**H04R 25/00** (2006.01)  
(52) **U.S. Cl.** ..... **381/375**  
(57) **ABSTRACT**

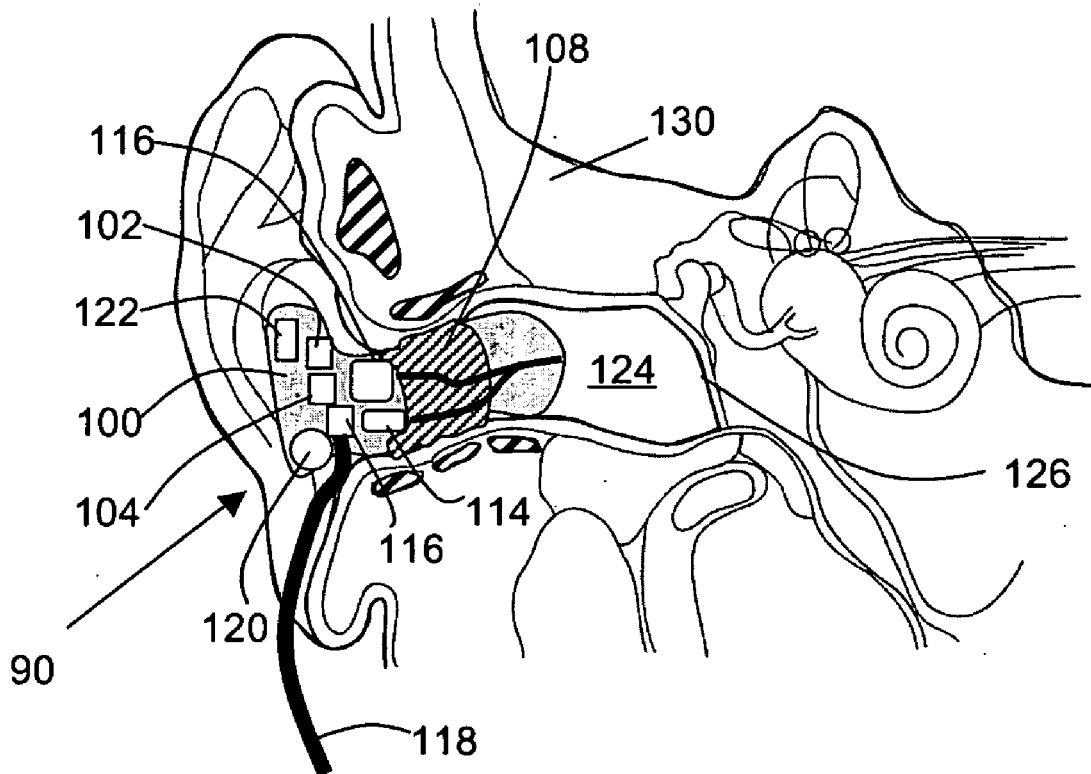
Correspondence Address:  
**PERSONICS HOLDINGS INC.**  
**5100 Town Center Circle, Tower 11, Suite 510**  
**BOCA RATON, FL 33486 (US)**

An earpiece device includes a microphone and a speaker having a common acoustic channel to reduce complexity and minimize components in an ear canal region. The earpiece device also includes a logic circuit operatively connected into an earpiece, where the microphone is configured to sample an acoustic signal traveling from either end of an acoustic channel. The earpiece device further includes a selective attenuation mechanism for varying the acoustic energy from one end of the acoustic channel or combining the acoustic energies in a controlled ratio from both ends of the acoustic channel before reaching the microphone.

(73) Assignee: **Personics Holdings Inc.**, Boca Raton, FL (US)

(21) Appl. No.: **12/176,496**

(22) Filed: **Jul. 21, 2008**



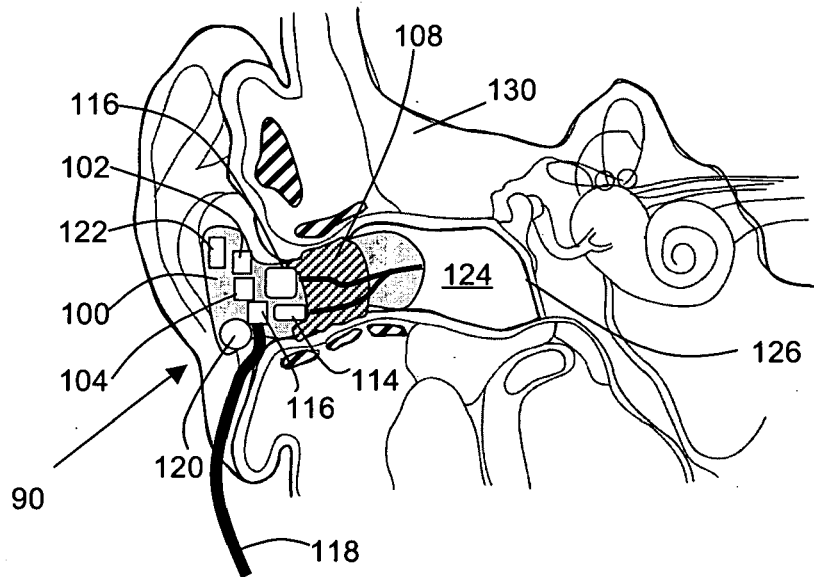


FIG. 1

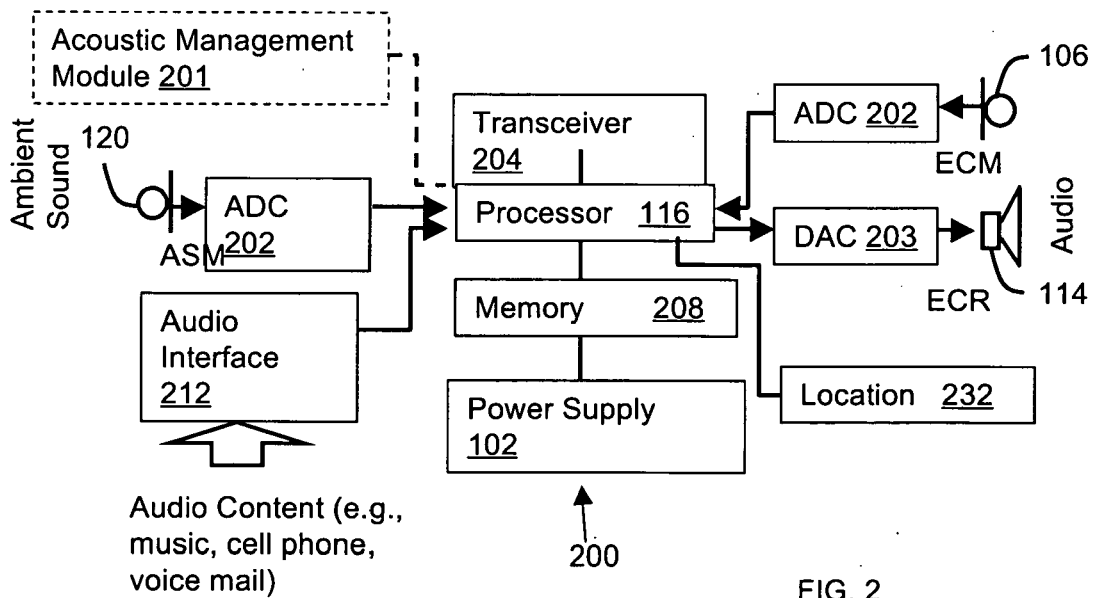


FIG. 2

FIG. 3

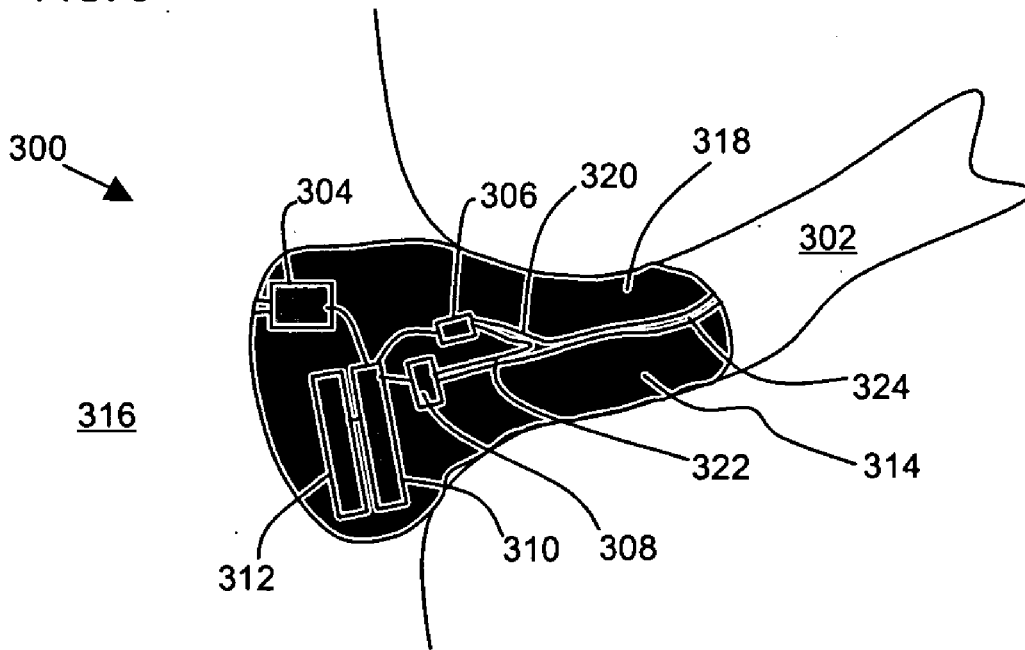


FIG. 4

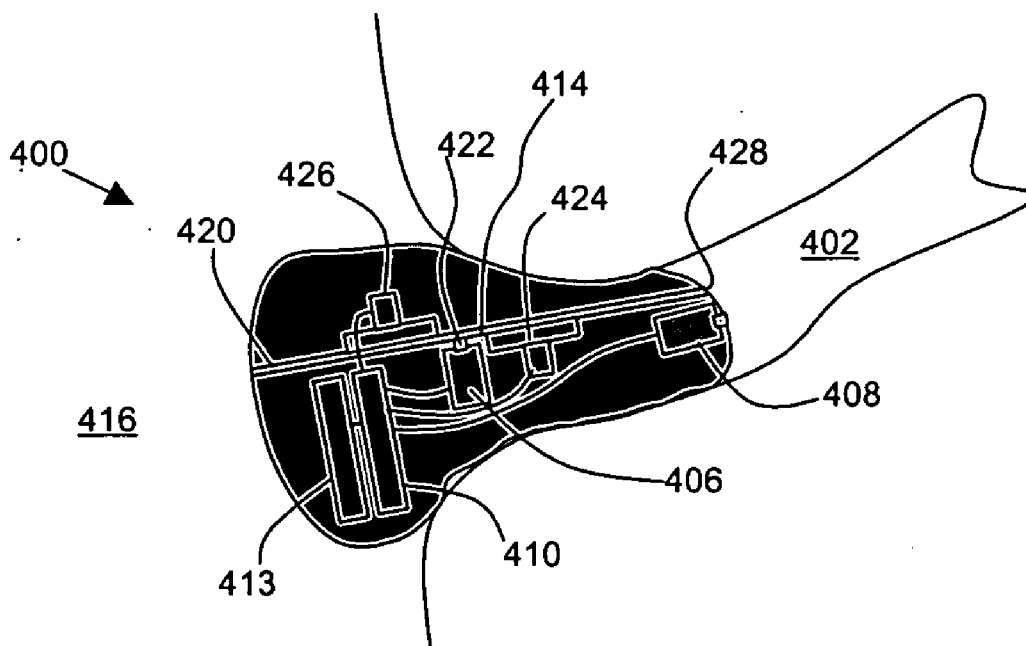


FIG. 5

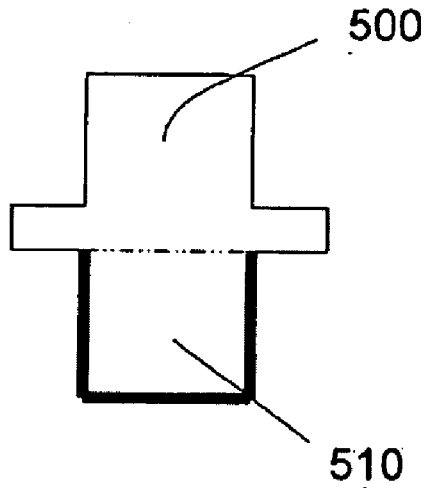


FIG. 6

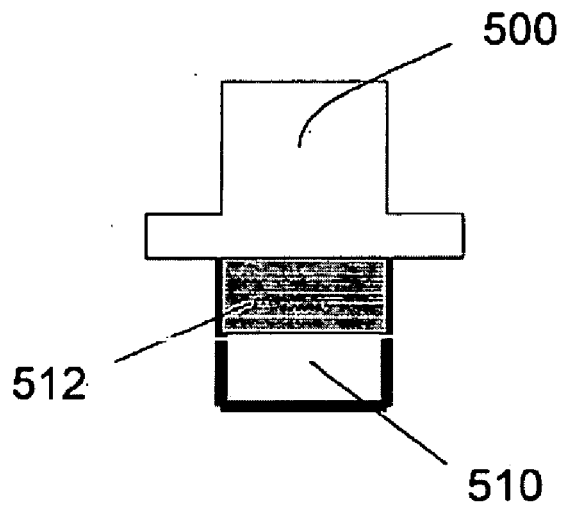


FIG. 7

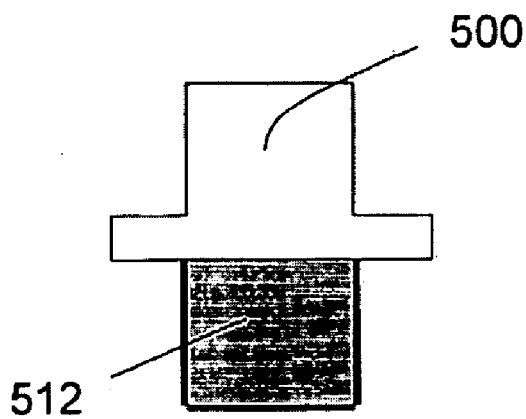
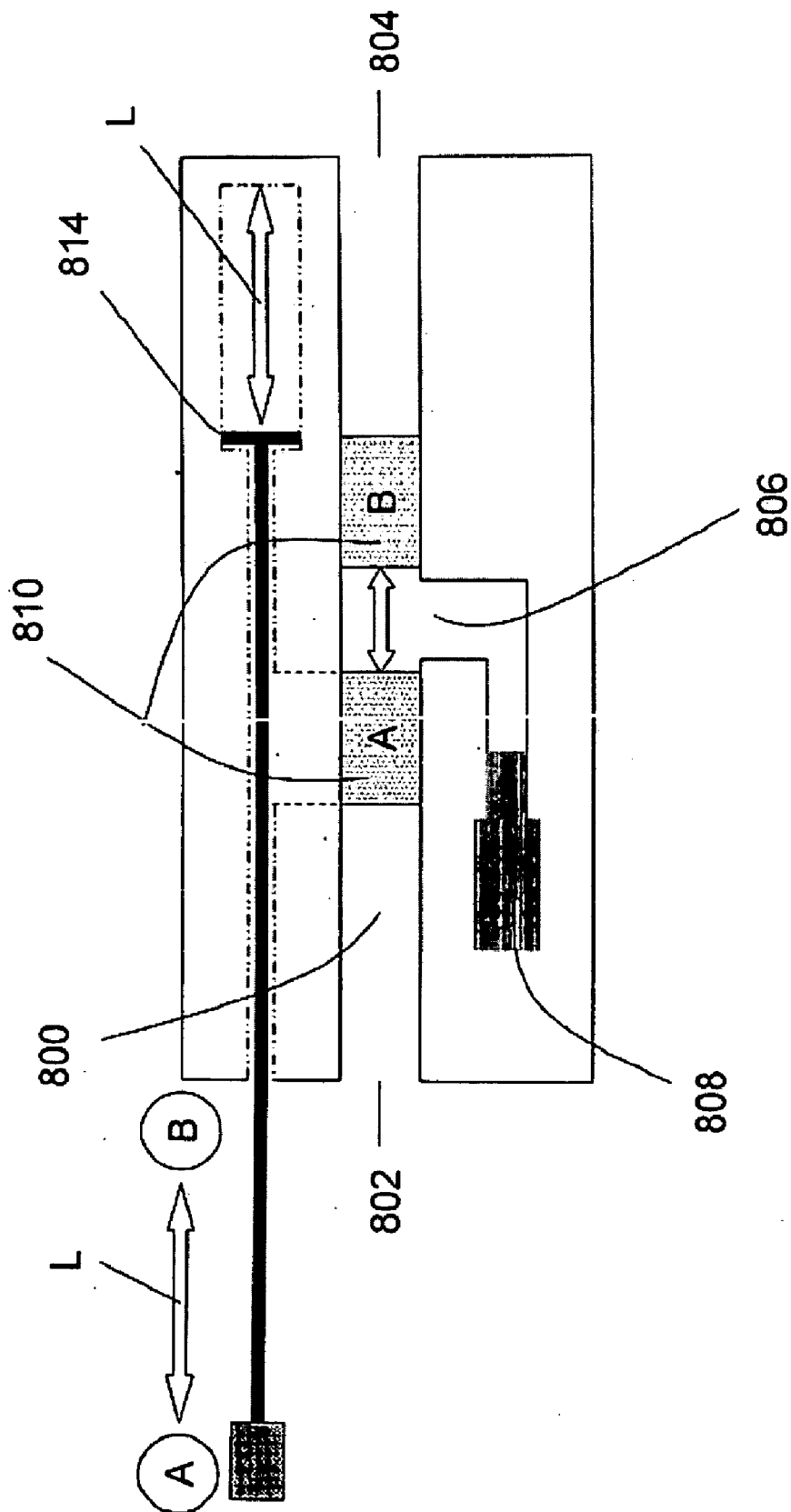


FIG. 8



# 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.