



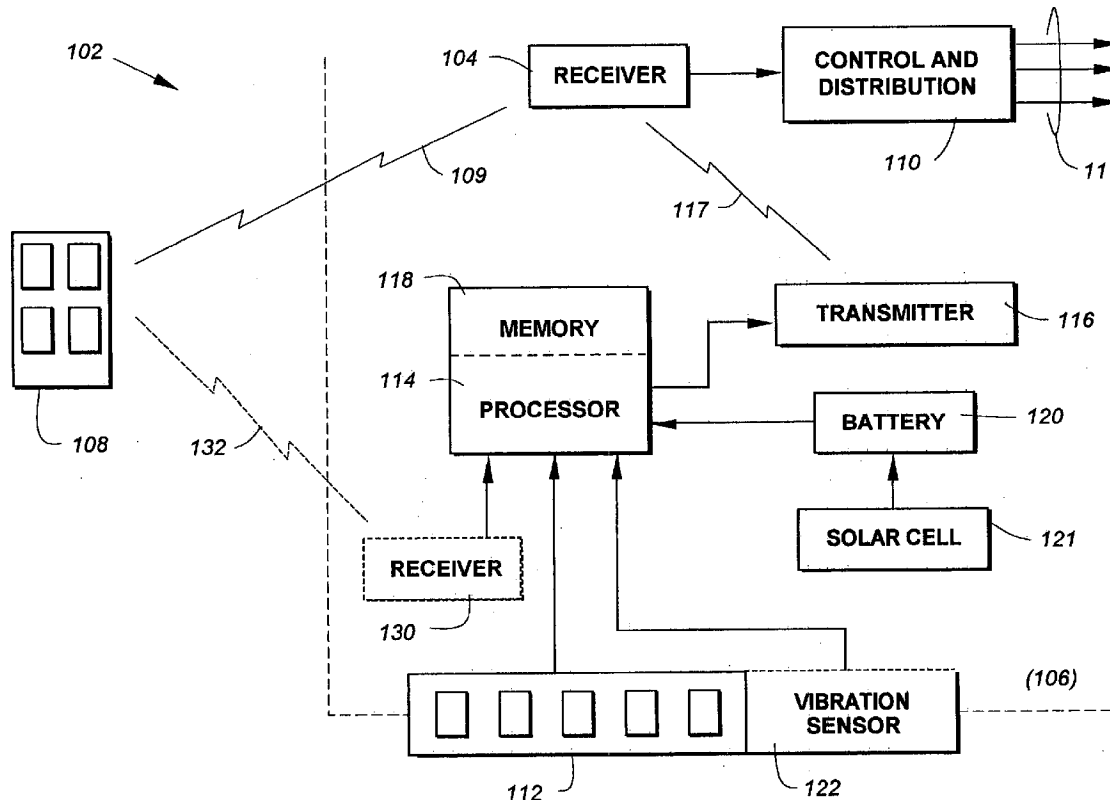
US 20050242923A1

(19) **United States**(12) **Patent Application Publication****Pearson et al.**(10) **Pub. No.: US 2005/0242923 A1**(43) **Pub. Date: Nov. 3, 2005**(54) **PASSIVE ENTRY SYSTEMS FOR VEHICLES
AND OTHER APPLICATIONS**(60) Provisional application No. 60/564,483, filed on Apr.
22, 2004.(76) Inventors: **David Pearson**, Sterling Heights, MI
(US); **Francis LeGasse**, Rochester
Hills, MI (US); **James P. Burgess**,
Naples, FL (US)**Publication Classification**(51) **Int. Cl.⁷** **G06F 7/04**(52) **U.S. Cl.** **340/5.62; 340/5.52; 340/426.36;
340/5.72**

Correspondence Address:

John G. Posa**Gifford, Krass, Groh, Sprinkle,****Anderson & Citkowski, P.C.****PO Box 7021****Troy, MI 48007-7021 (US)**(21) Appl. No.: **11/112,204**(22) Filed: **Apr. 22, 2005****Related U.S. Application Data**(63) Continuation-in-part of application No. 09/567,582,
filed on May 10, 2000, which is a continuation-in-part
of application No. 09/468,629, filed on Dec. 21, 1999,
now Pat. No. 6,617,975, which is a continuation of
application No. 09/061,403, filed on Apr. 16, 1998,
now Pat. No. 6,031,465.(57) **ABSTRACT**

For use in conjunction with an existing wireless transmitter/receiver, a transmitter provided by the invention preferably uses some or all of the same codes as the existing remote transmitter to perform a desired function such as door or trunk unlocking, windows, light activation, and so forth. One embodiment of the invention includes a passive entry system so that only an authorized operator can use the device. In a preferred embodiment, a user carries a wallet-sized card or other device, such that upon activation of the keypad associated with the inventive transmitter, a signal is first sent to the user for verification. If the card or other device carried by the user properly transponds an appropriate authorization signal, the inventive transmitter broadcasts the codes appropriate to the function being requested. Alternatively, biometric information such as a fingerprint or voiceprint may be used.



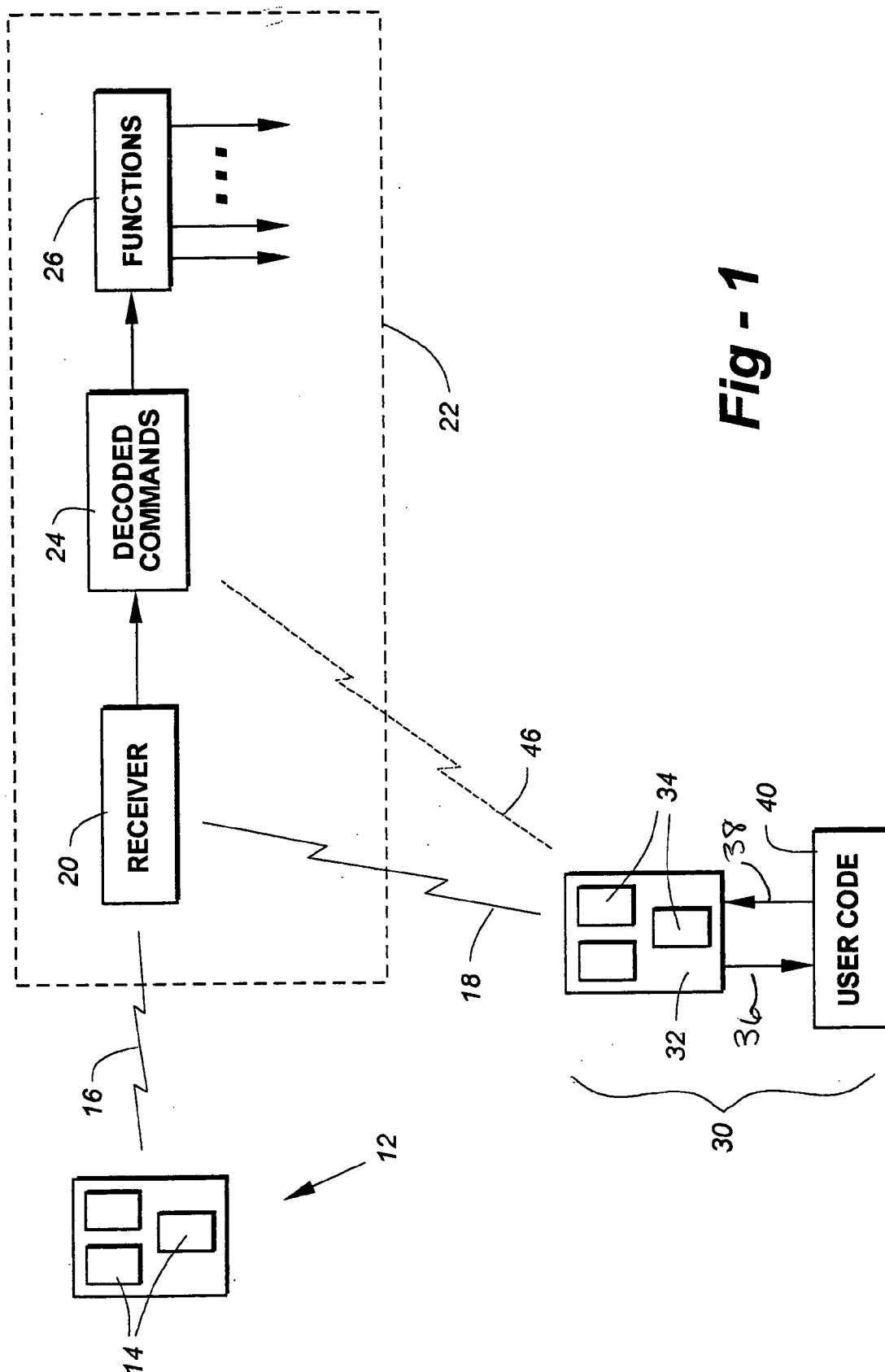


Fig - 1

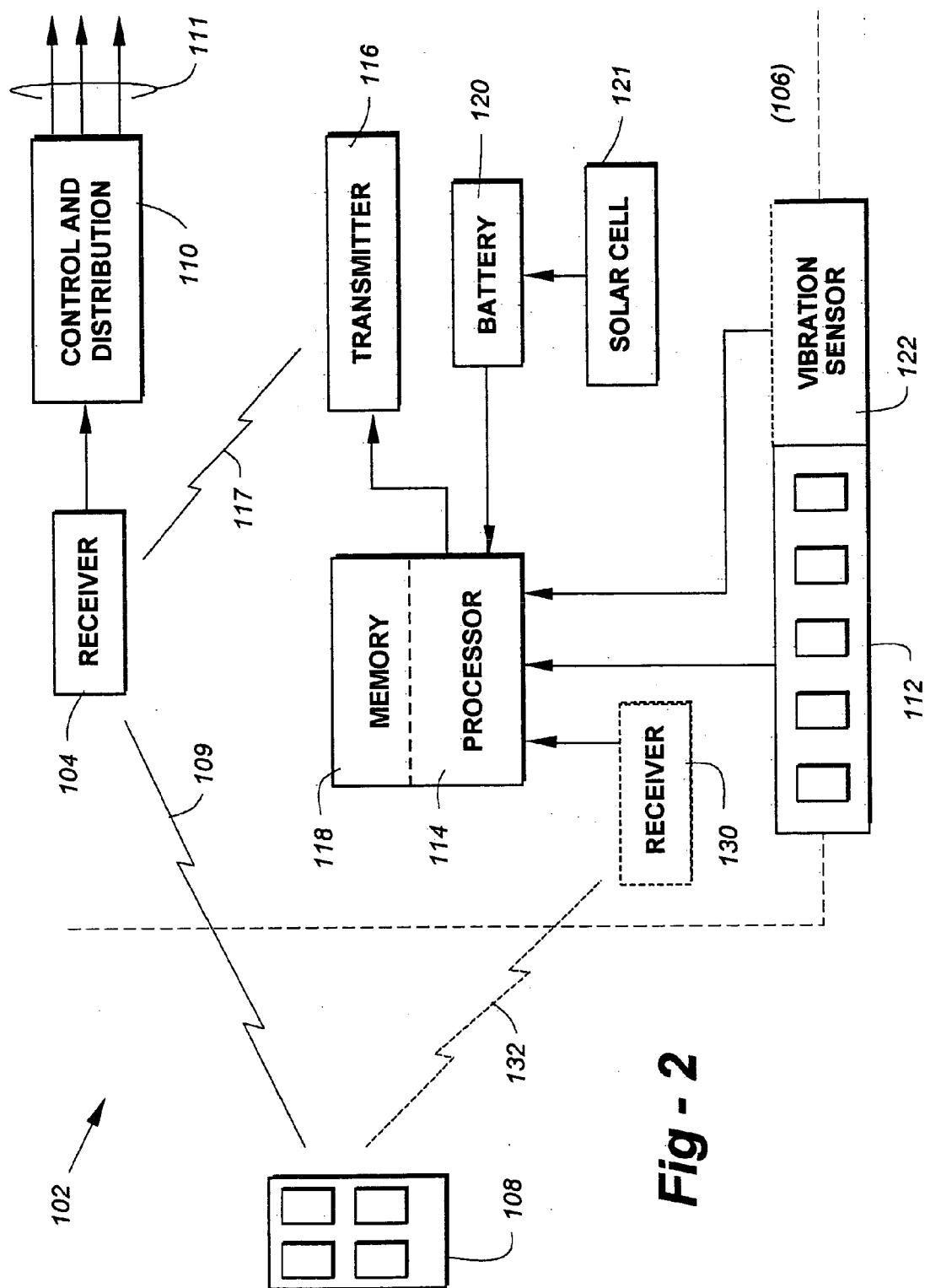


Fig - 2

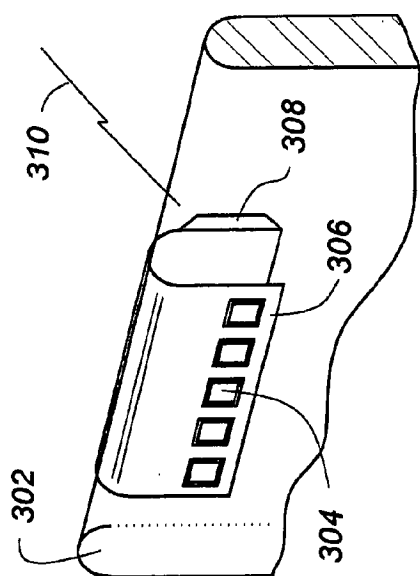


Fig - 3

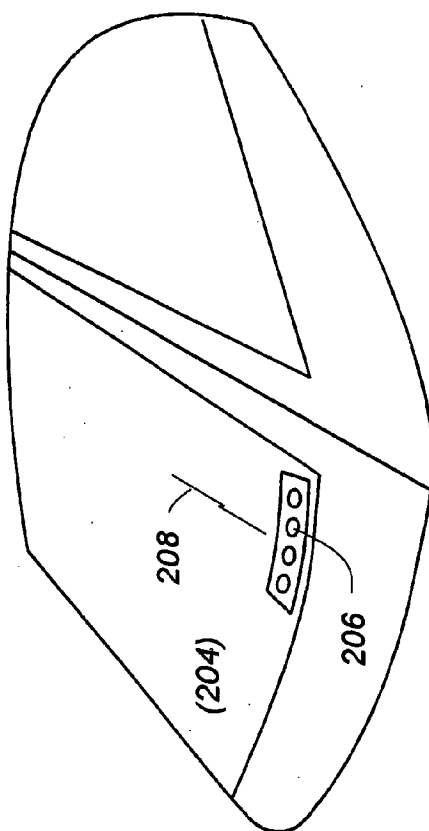


Fig - 4

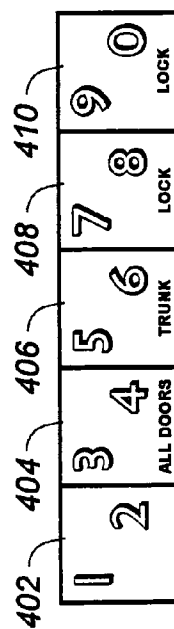


Fig - 5

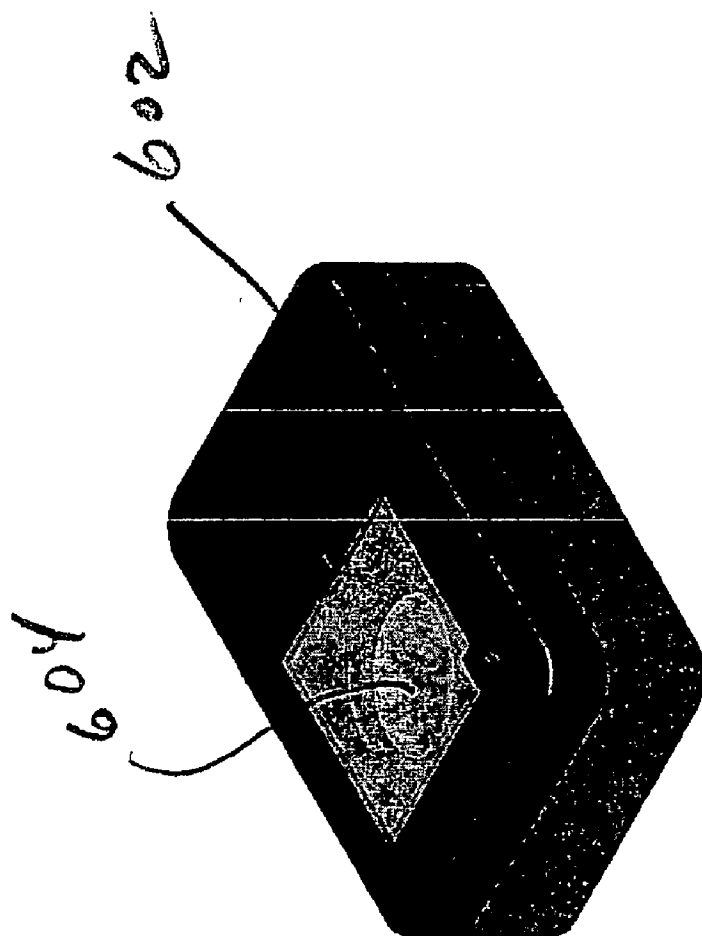


Fig - 6



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.