

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2003/0215102 A1**

Marlowe

(43) **Pub. Date: Nov. 20, 2003**

(54) **AUDIO DEVICE INTEGRATION SYSTEM**

(76) Inventor: **Ira Marlowe**, Fort Lee, NJ (US)

Correspondence Address:
WOLFF & SAMSON, P.C.
ONE BOLAND DRIVE
WEST ORANGE, NJ 07052 (US)

(21) Appl. No.: **10/316,961**

(22) Filed: **Dec. 11, 2002**

Publication Classification

(51) **Int. Cl.⁷ H04B 3/00**

(52) **U.S. Cl. 381/77; 381/86**

(57) **ABSTRACT**

An audio device integration system is provided. One or more after-market audio devices, such as a CD player, CD

changer, MP3 player, satellite receiver, DAB receiver, or the like, is integrated for use with an existing OEM or after-market car stereo system, wherein control commands can be issued at the car stereo and responsive data from the audio device can be displayed on the stereo. Control commands generated at the car stereo are received, processed, converted into a format recognizable by the audio device, and dispatched to the audio device for execution. Information from the audio device, including track, disc, song, station, time, and other information, is received, processed, converted into a format recognizable by the car stereo, and dispatched to the car stereo for display thereon. One or more auxiliary input sources can be integrated with the car stereo, and selected between using the controls of the car stereo. Both an audio device and one or more auxiliary input sources can be integrated together, and a user can select between the device or the one or more auxiliary input sources by issuing selection commands through the car stereo. A docking station is provided for docking a portable audio or video device for integration with the car stereo.

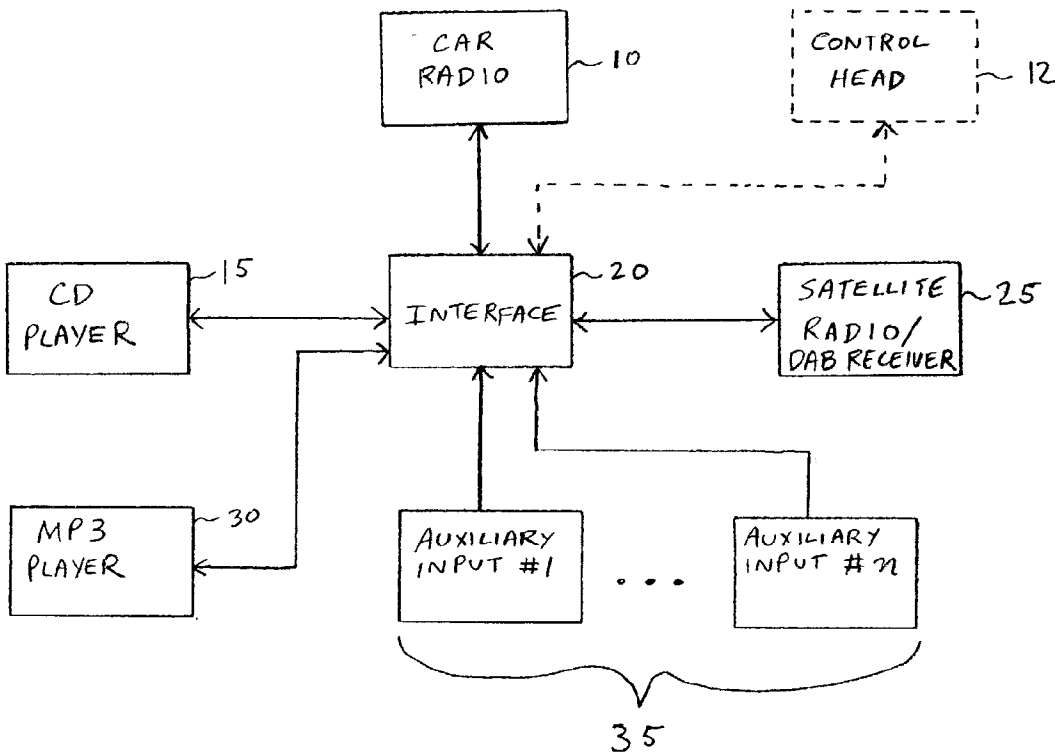


FIG. 1

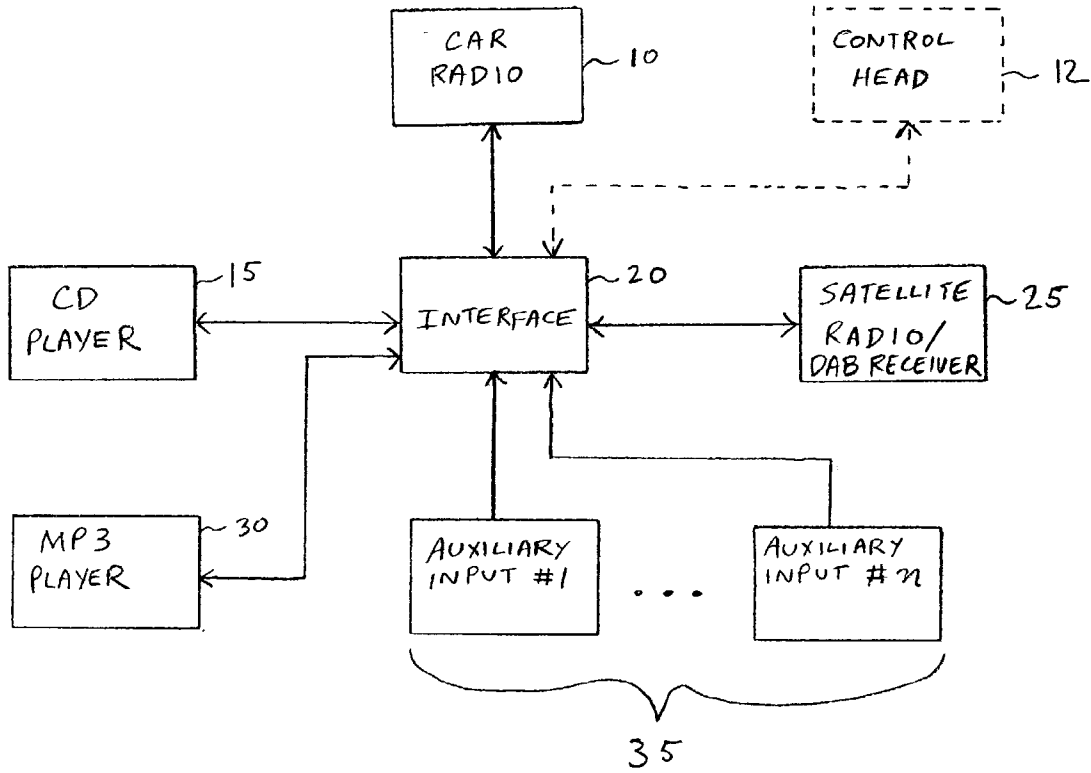


FIG. 2a

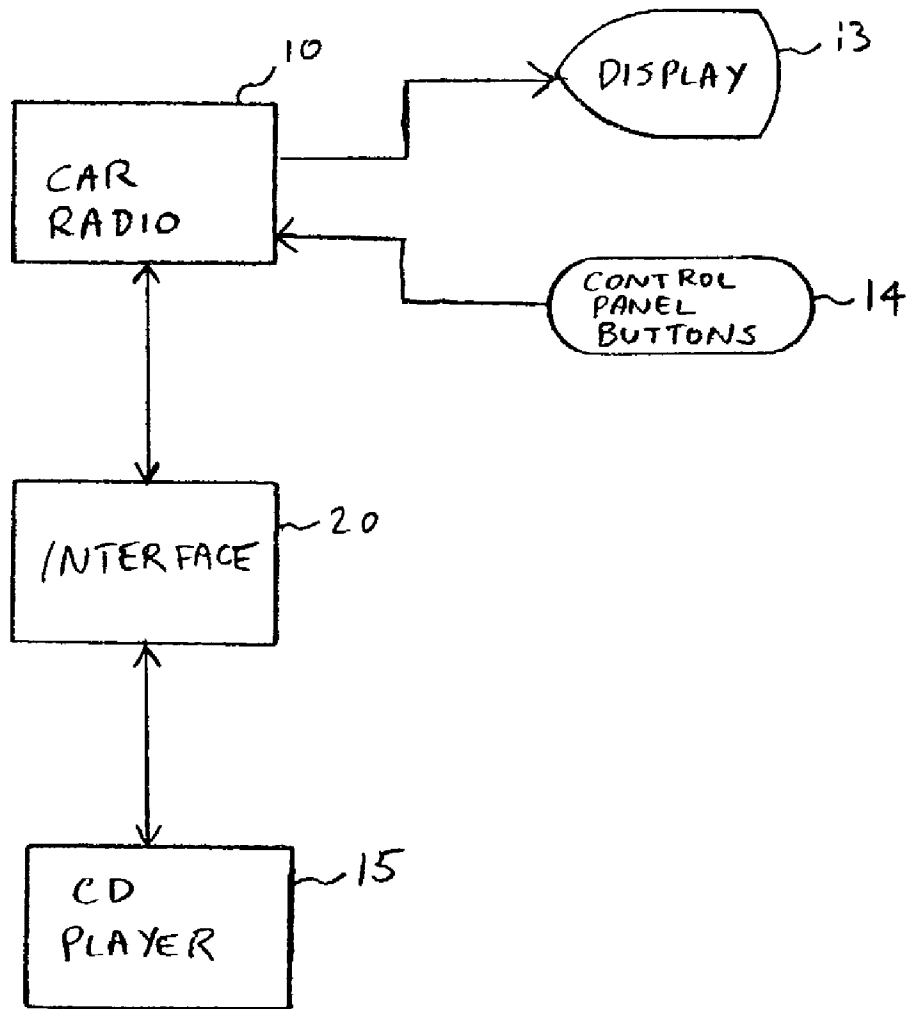


FIG. 26

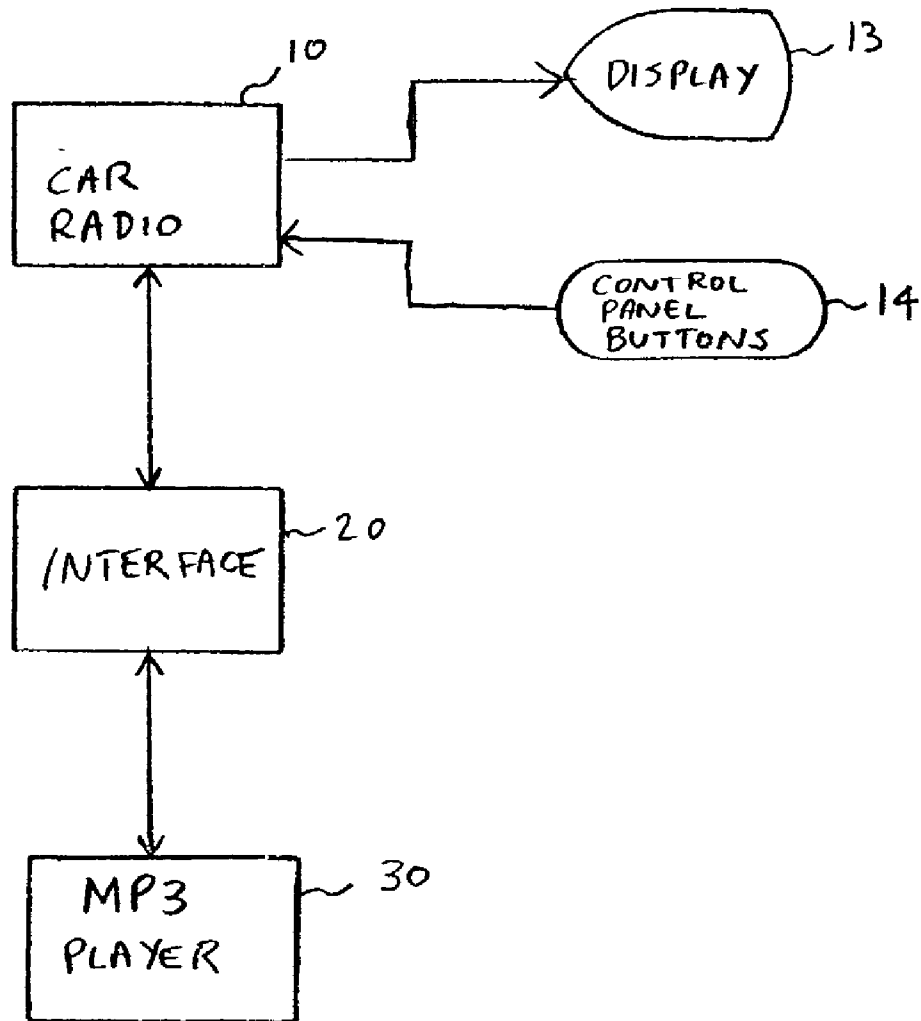
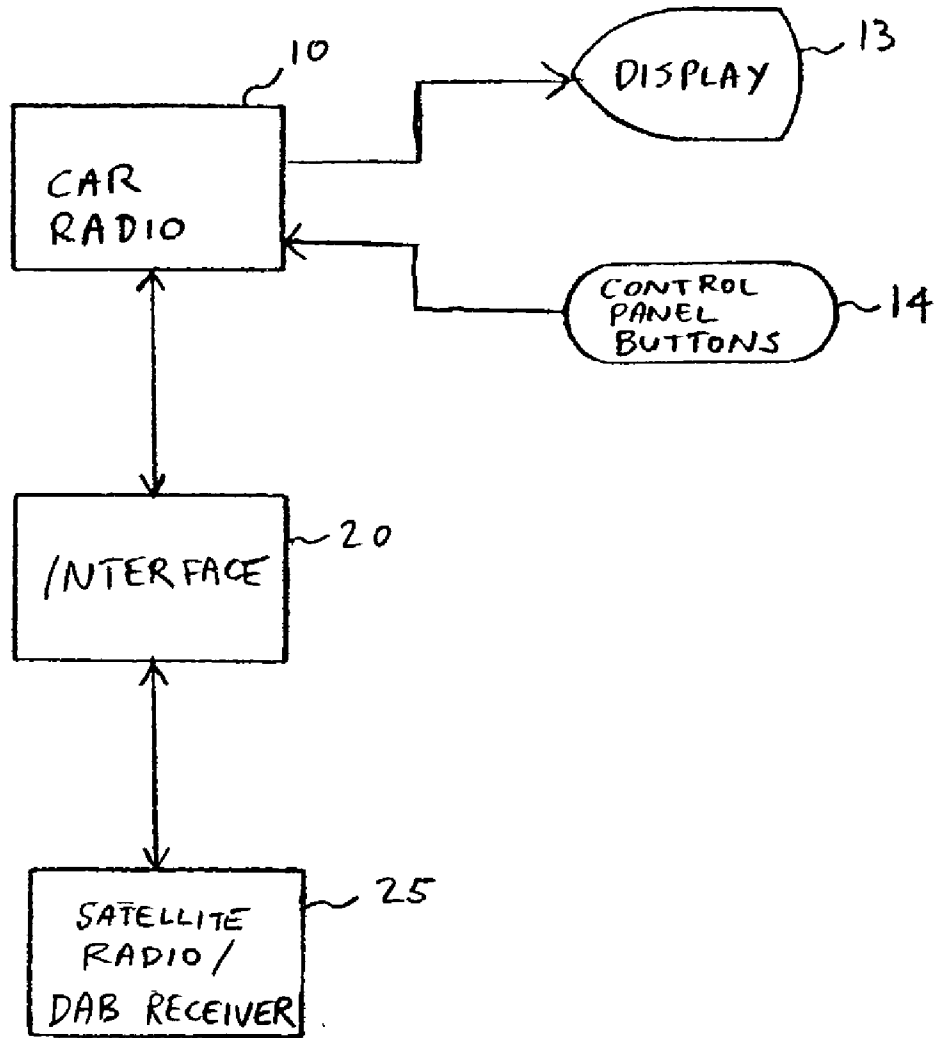


FIG. 2c



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.