

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2001/0028717 A1

Ohmura et al.

(43) Pub. Date: Oct. 11, 2001

(54) AUDIO SYSTEM AND ITS CONTENTS REPRODUCTION METHOD, AUDIO APPARATUS FOR A VEHICLE AND ITS CONTENTS REPRODUCTION METHOD, COMPUTER PROGRAM PRODUCT AND COMPUTER-READABLE STORAGE MEDIUM

(30) Foreign Application Priority Data

Apr. 11, 2000 (JP) 2000-108852

Publication Classification

(51) Int. Cl.⁷ H04B 1/00

(52) U.S. Cl. 381/86

(76) Inventors: Hiroshi Ohmura, Hiroshima-ken (JP); Masao Ushio, Hiroshima-ken (JP); Kouji Hosoda, Hiroshima-ken (JP); Shigefumi Hirabayashi, Hiroshima-ken (JP)

(57) ABSTRACT

An audio apparatus (audio system) made up of the car-mounted audio apparatus 100 and portable audio apparatuses 200a and 200b transmits/receives contents data such as music via radio communication. As the communication system in this in-car radio communication, a short-distance data communication system is used, which allows respective apparatuses to recognize and authenticate with one another and perform data communication between those apparatuses.

Correspondence Address: STAAS & HALSEY LLP 700 11TH STREET, NW SUITE 500 WASHINGTON, DC 20001 (US)

(21) Appl. No.: 09/827,919

(22) Filed: Apr. 9, 2001

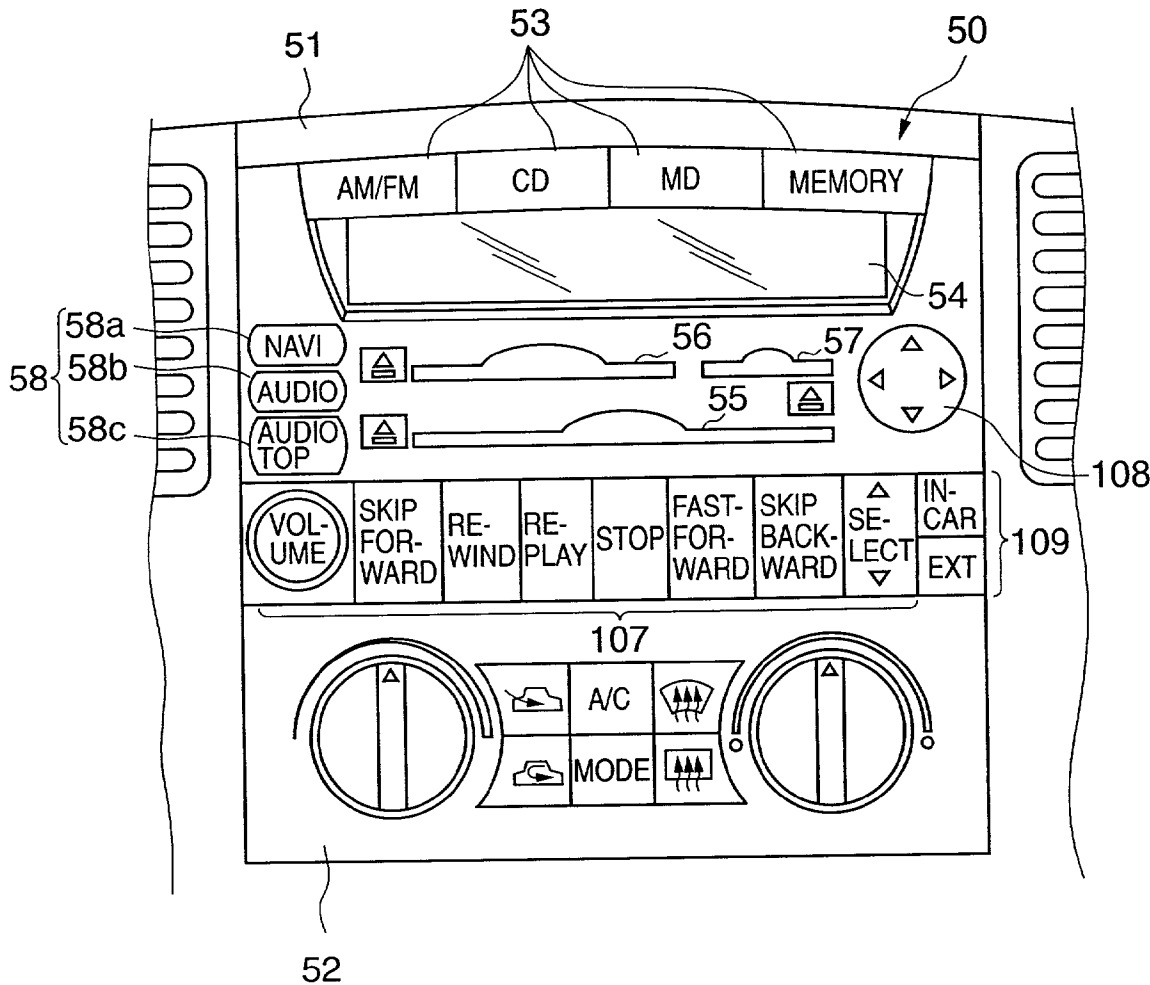


FIG. 1

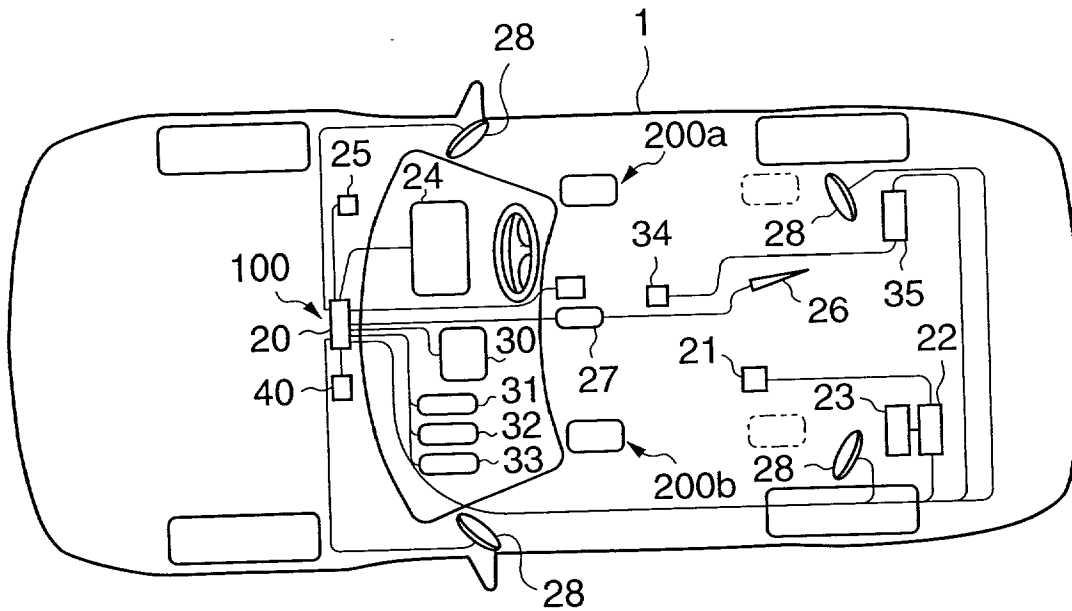


FIG. 2

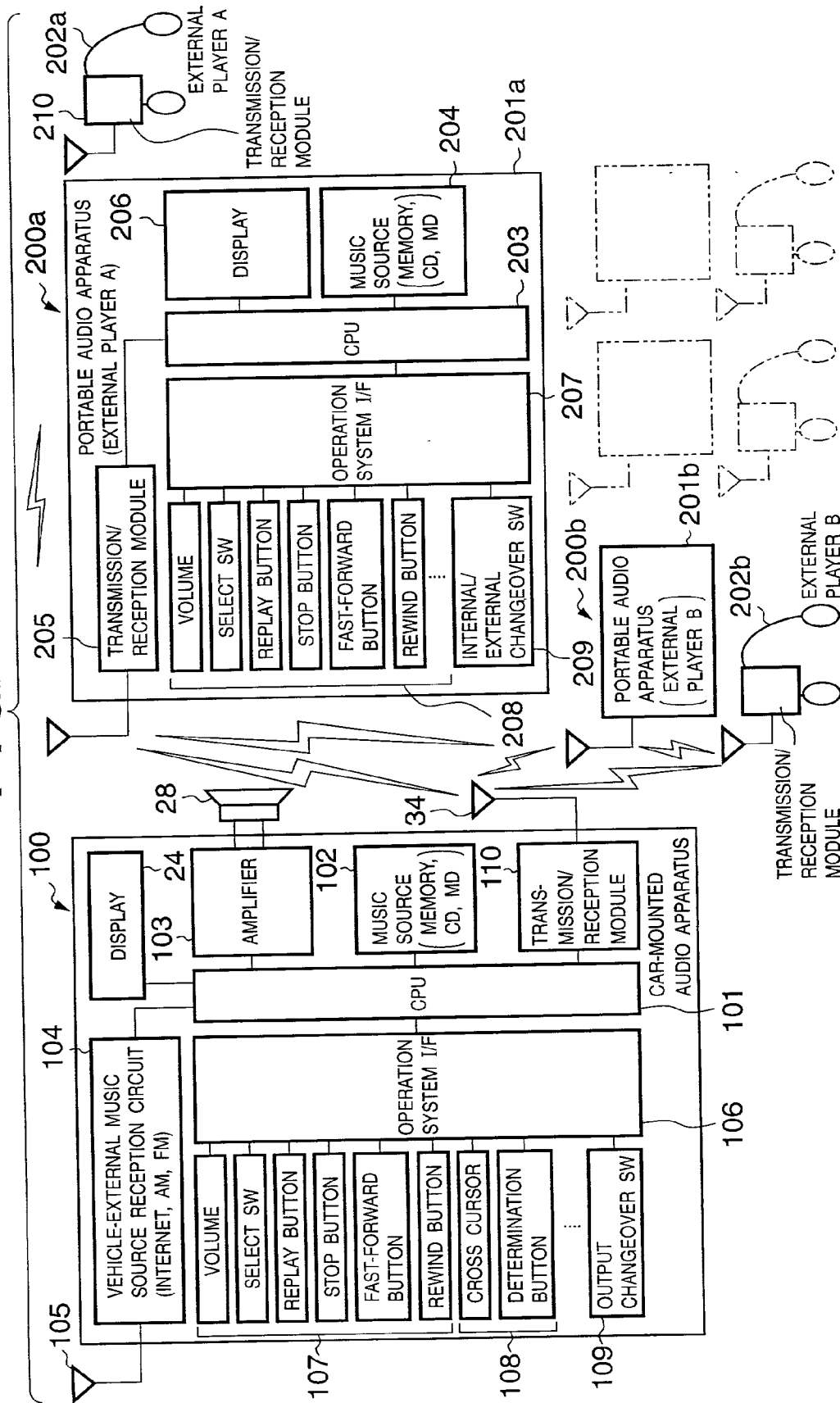


FIG. 3

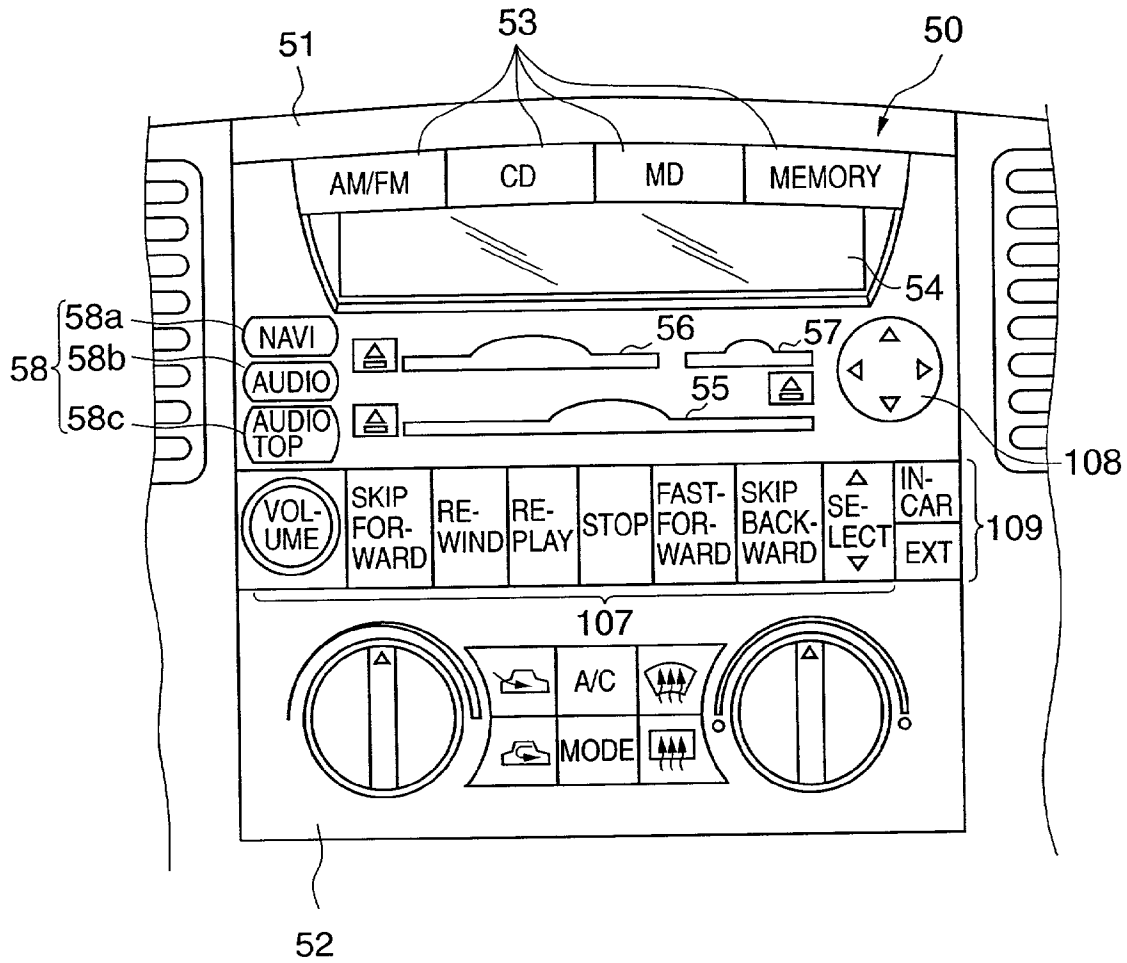
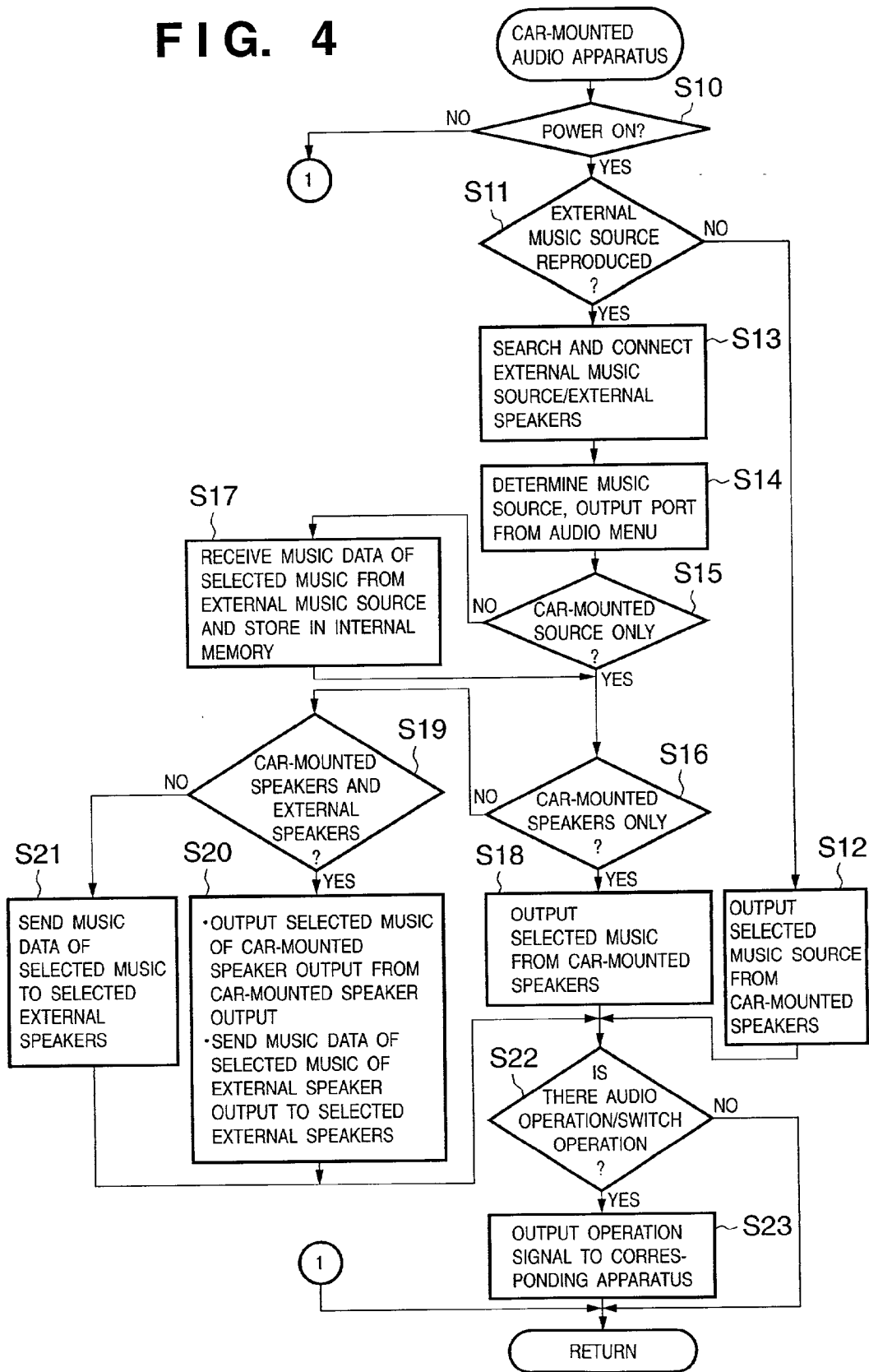


FIG. 4



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.