



US 20030008670A1

(19) **United States**

(12) **Patent Application Publication**
Katoh

(10) **Pub. No.: US 2003/0008670 A1**

(43) **Pub. Date: Jan. 9, 2003**

(54) **NAVIGATION SYSTEM USING MOBILE TERMINAL**

(52) **U.S. Cl. 455/456; 455/457; 340/990; 340/993**

(76) **Inventor: Satoshi Katoh, Tokyo (JP)**

(57) **ABSTRACT**

Correspondence Address:
YOUNG & THOMPSON
745 SOUTH 23RD STREET 2ND FLOOR
ARLINGTON, VA 22202

A mobile terminal such as a portable telephone accesses a map database server connected to the Internet, and positional data, destination, etc. acquired from a GPS receiver mounted on the mobile terminal are cataloged in the map database server. The results of a search for a route, route indication, etc. are received from the map database server in the form of a voice, a simplified map, or both a voice and a simplified map and are indicated on a display of the mobile terminal. By virtue of the above construction, a navigation system can be realized which can eliminate the need to update map data, is low in price, has no need to provide an installation space, has low power consumption, and can be simply and easily utilized.

(21) **Appl. No.: 10/157,991**

(22) **Filed: May 31, 2002**

(30) **Foreign Application Priority Data**

May 31, 2001 (JP) 2001-164396

Publication Classification

(51) **Int. Cl.⁷ H04K 3/00; H04Q 7/20; G08G 1/123**

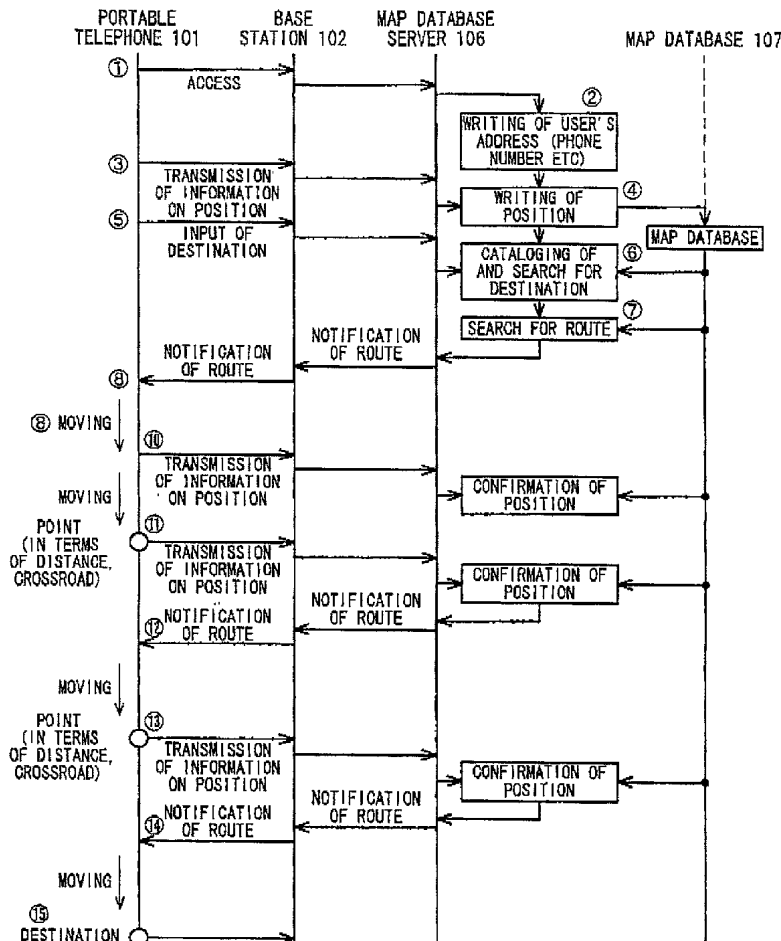
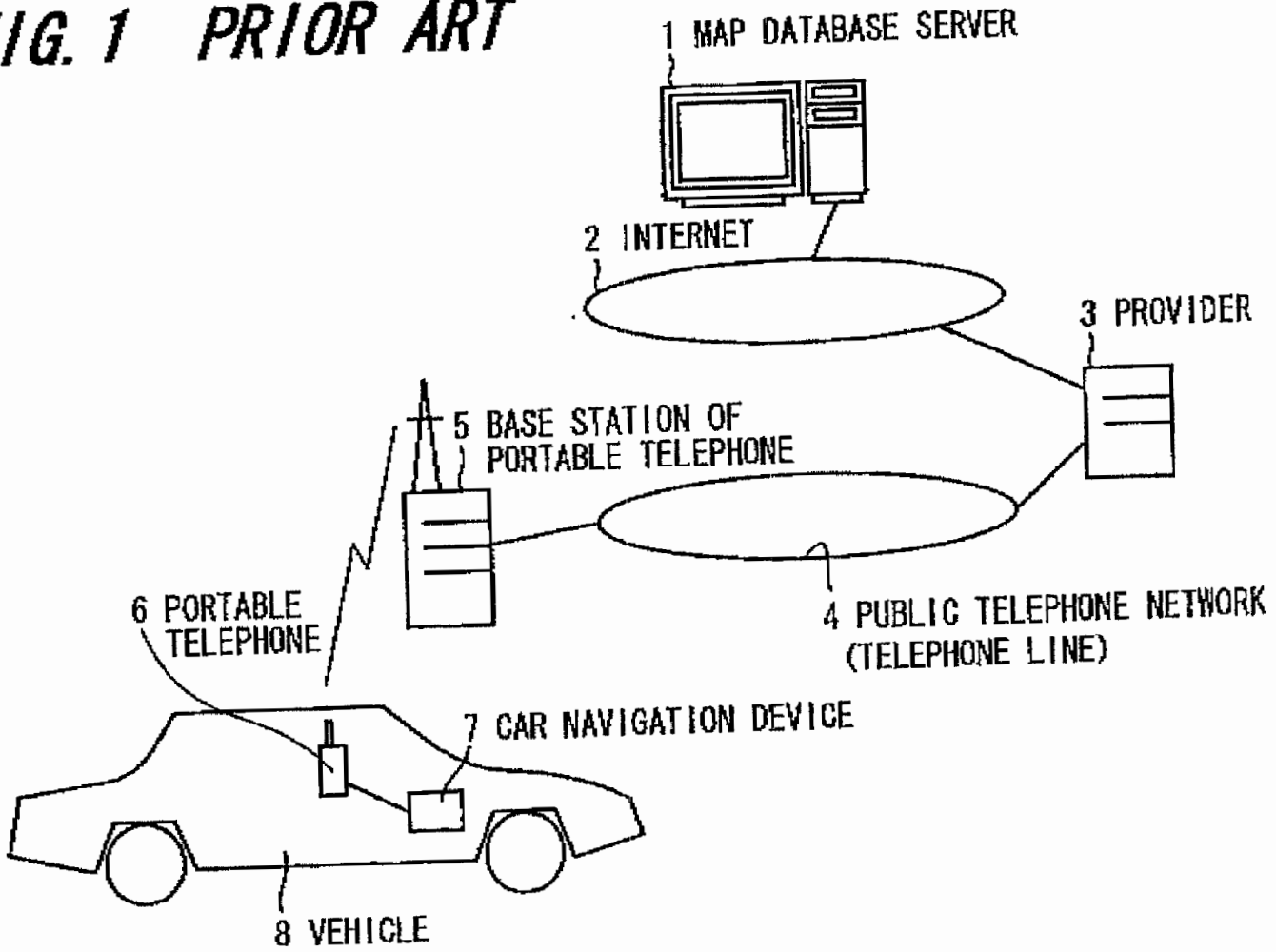


FIG. 1 PRIOR ART



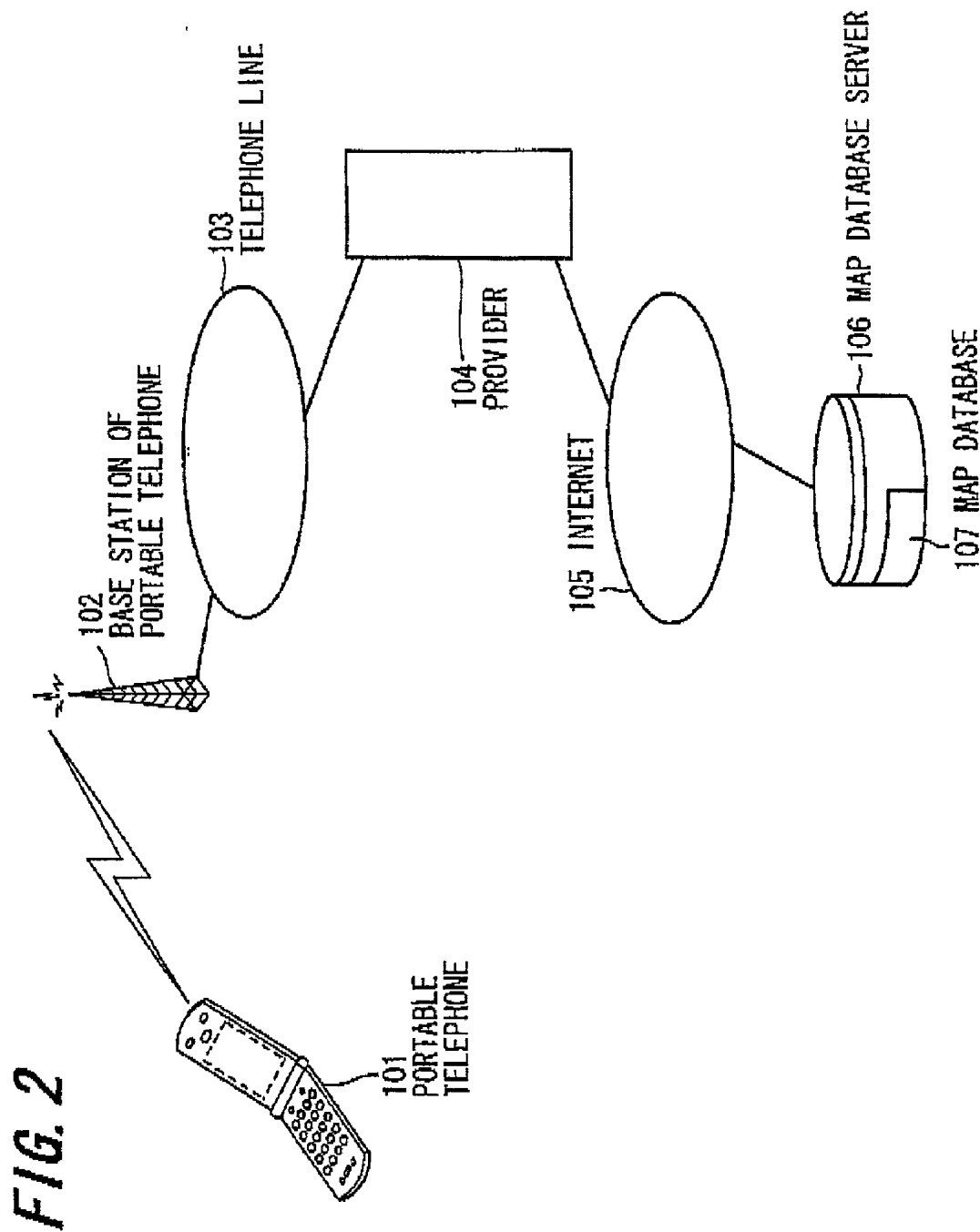


FIG. 3

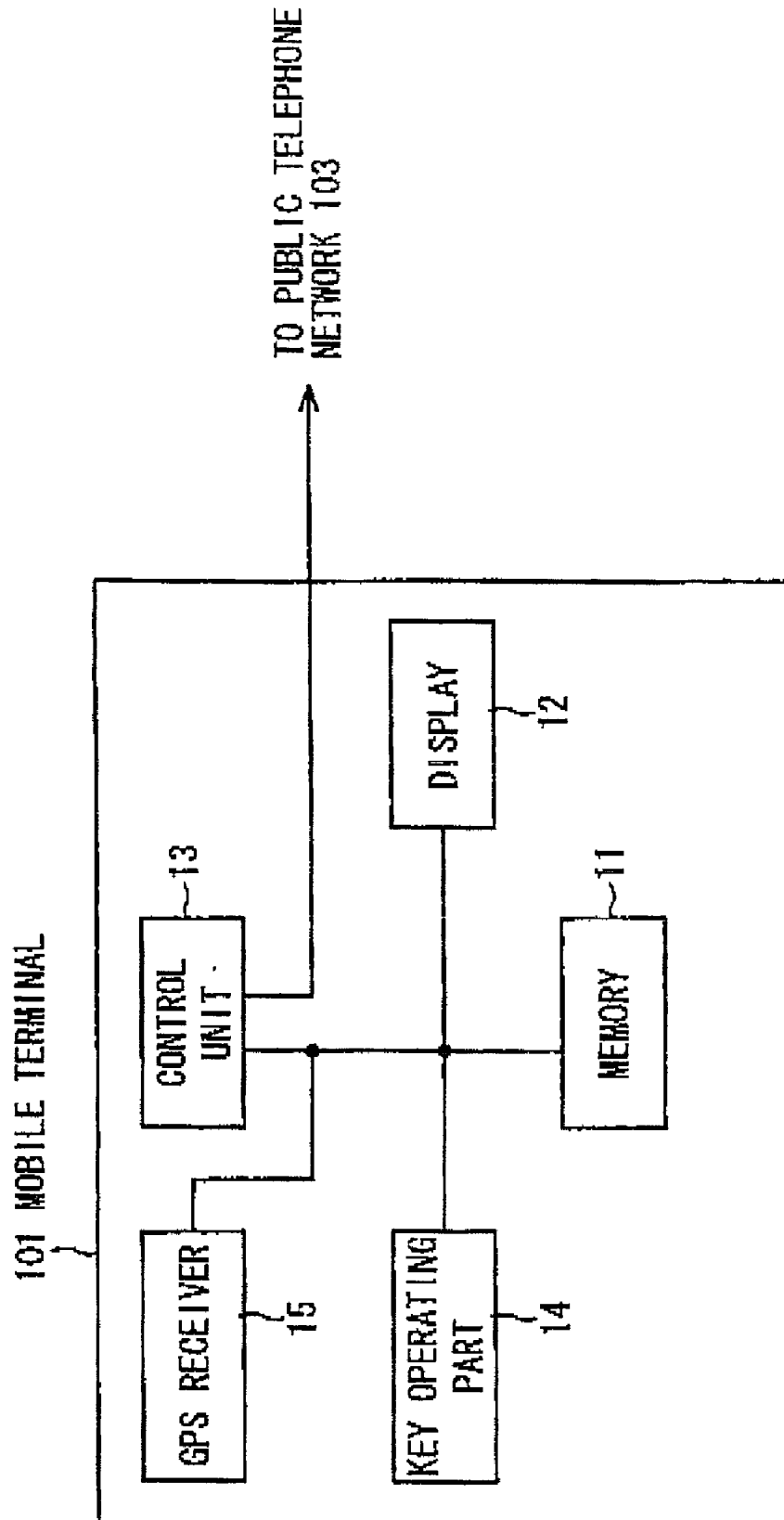
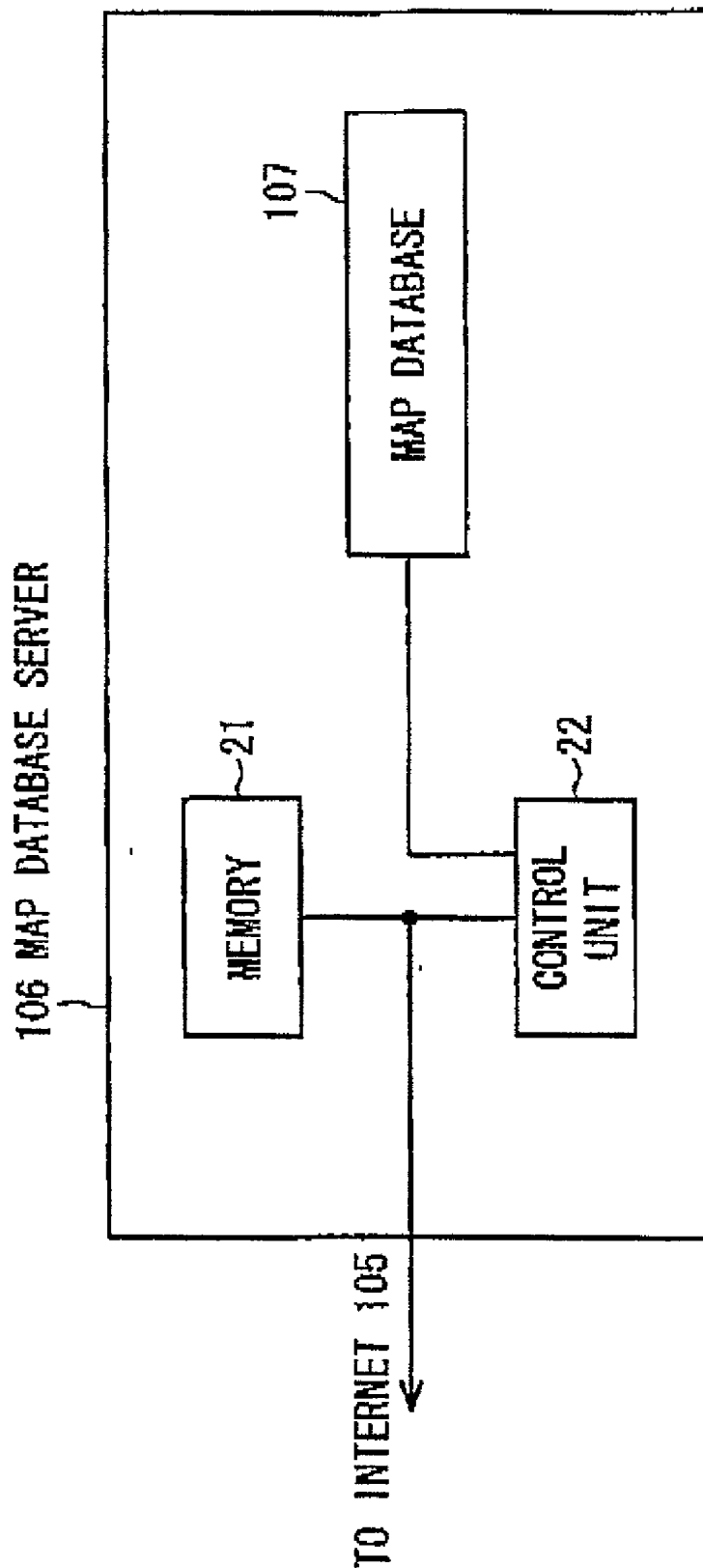


FIG. 4



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.