



(19) **United States**

(12) **Patent Application Publication**
Knockeart et al.

(10) **Pub. No.: US 2004/0064245 A1**
(43) **Pub. Date: Apr. 1, 2004**

(54) **VEHICLE INFORMATION SYSTEM**

(60) Provisional application No. 60/056,150, filed on Aug. 19, 1997.

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Publication Classification

(51) **Int. Cl.⁷** **G06F 19/00; G08G 1/00**
(52) **U.S. Cl.** **701/117**

(57) **ABSTRACT**

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A vehicle information system which includes an in-vehicle system **105** and a centralized server system **120**. The in-vehicle system communicates with the server system using a wireless communication link **110**, such as over a cellular telephone system. A position system, such as a set of GPS satellites **140**, provides positioning signals that are used by the in-vehicle systems, and optionally by the centralized server system to increase the accuracy of position estimates. In one version of the system, an operator specifies a destination to an in-vehicle system which validates the destination. The in-vehicle system transmits specification of the destination to a server system **125** at the centralized server. The server system computes a route to the destination and transmits the computed route to the in-vehicle system. The in-vehicle system guides the operator along the route. If the in-vehicle system detects that the vehicle has deviated from the planned route, it replans a new route to the destination using an in-vehicle map database.

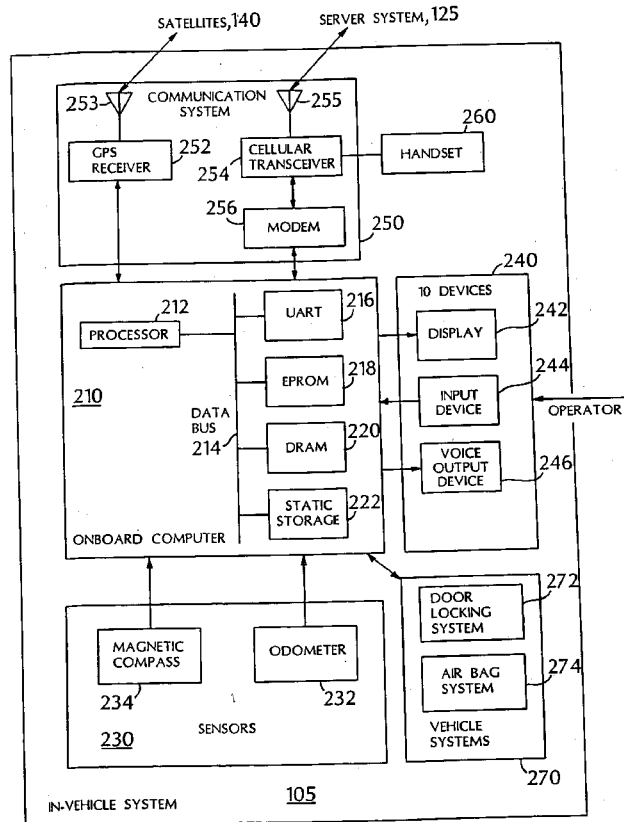
(73) Assignee: **Siemens Automotive Corporation, a Delaware corporation**

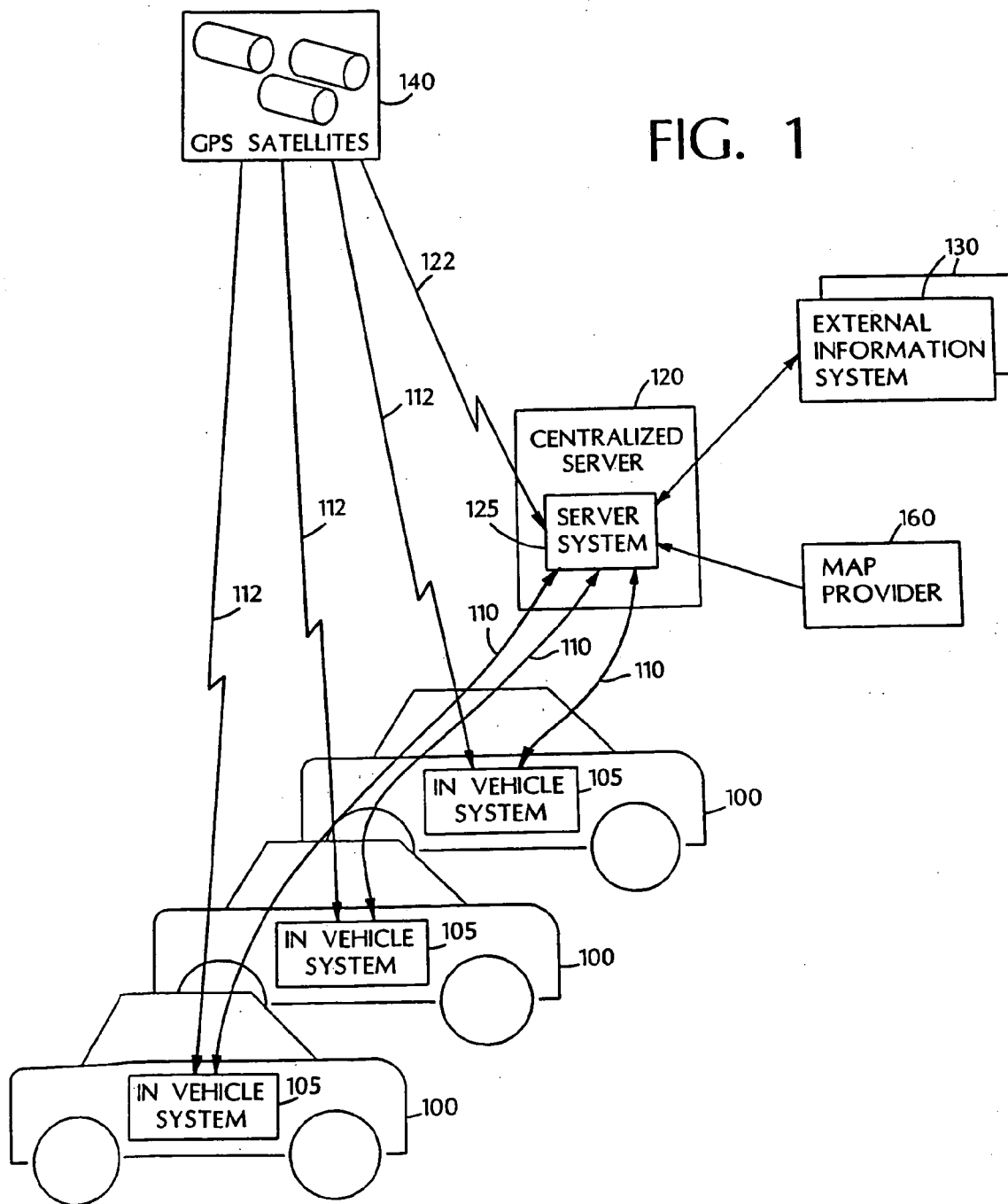
(21) Appl. No.: **10/675,627**

(22) Filed: **Sep. 30, 2003**

Related U.S. Application Data

(60) Division of application No. 10/246,963, filed on Sep. 19, 2002, now Pat. No. 6,628,233, which is a continuation of application No. 09/136,868, filed on Aug. 19, 1998, now Pat. No. 6,680,694.





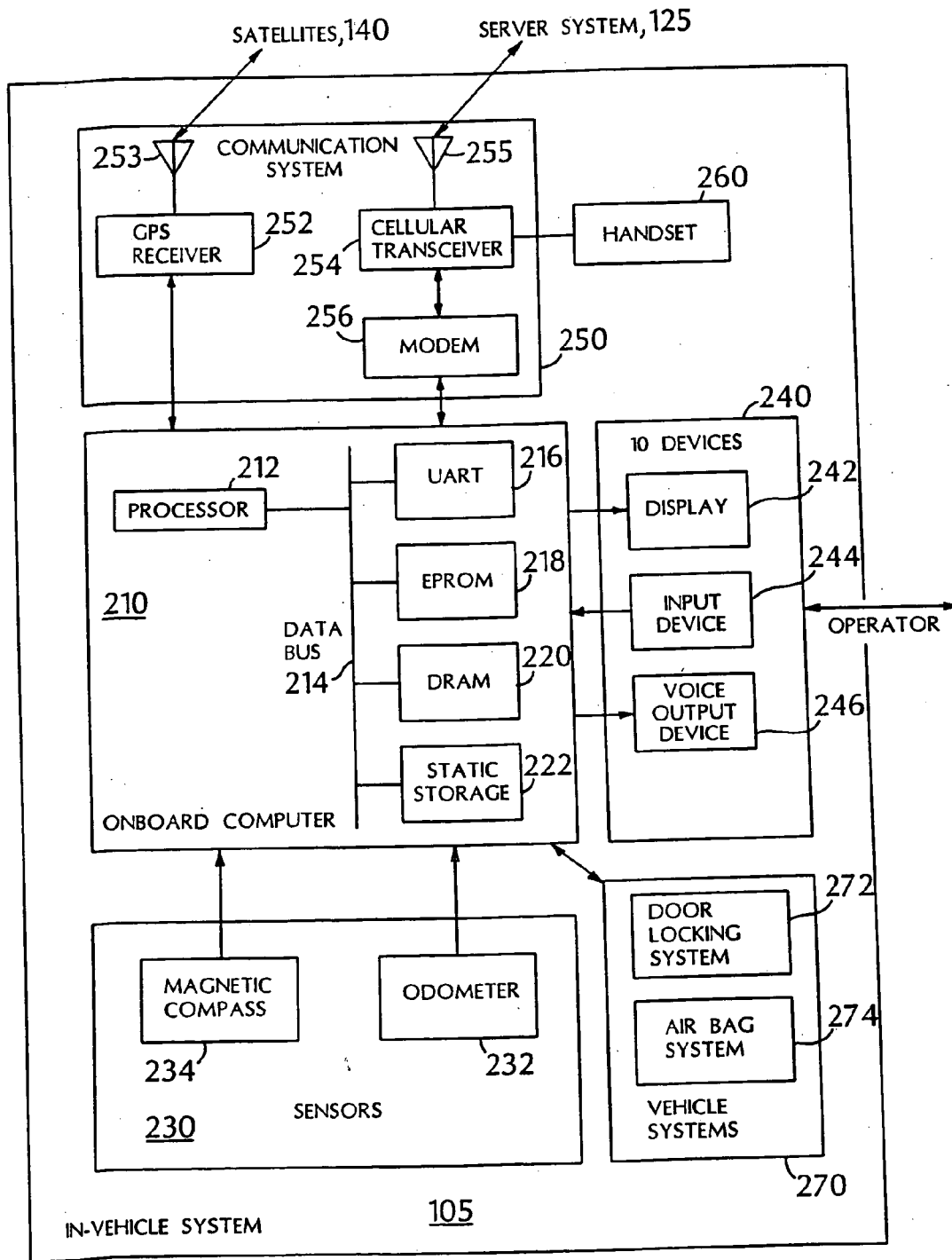


FIG. 2

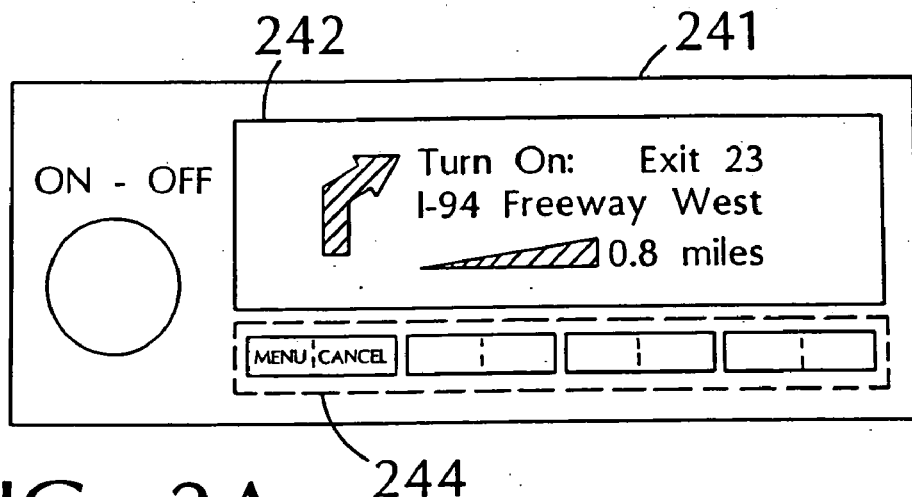


FIG. 2A

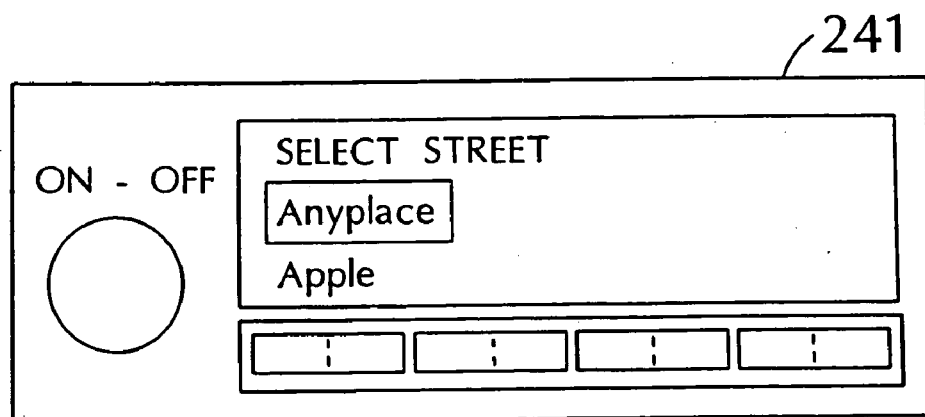


FIG. 2B

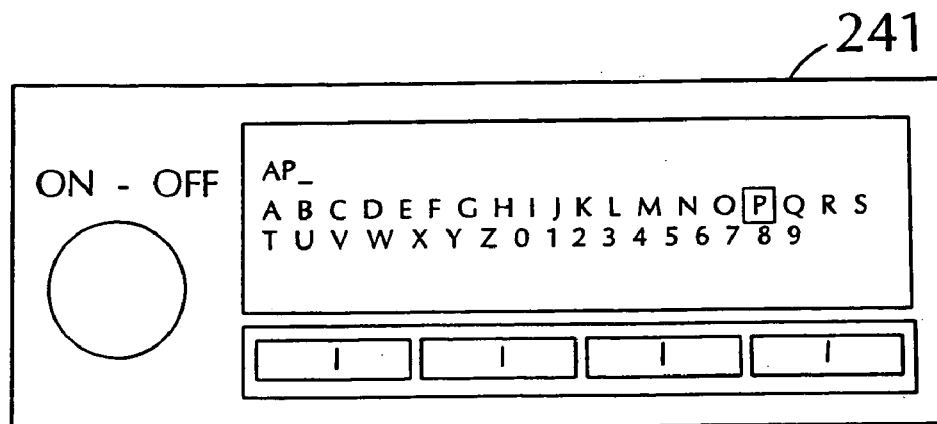


FIG. 2C

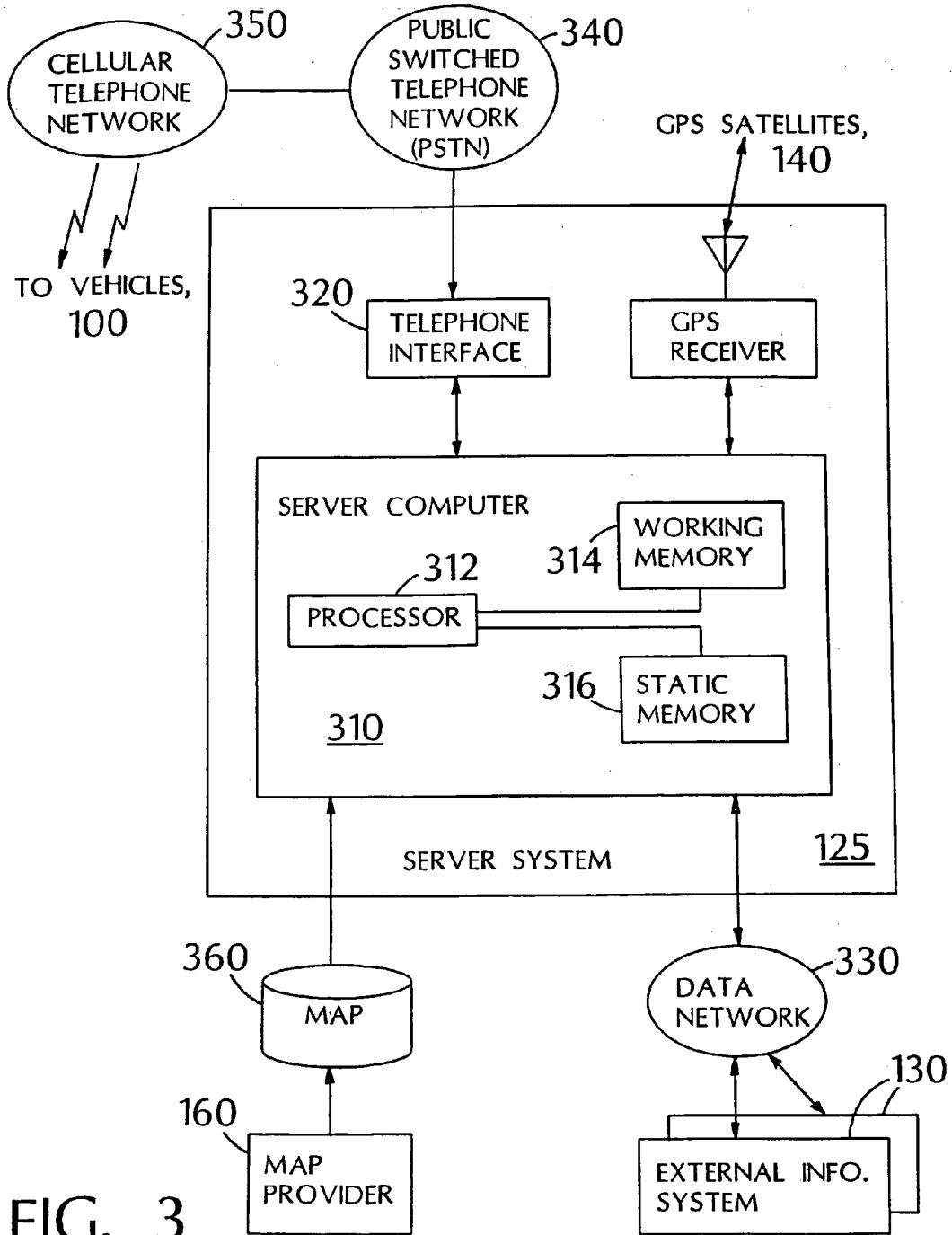


FIG. 3

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