



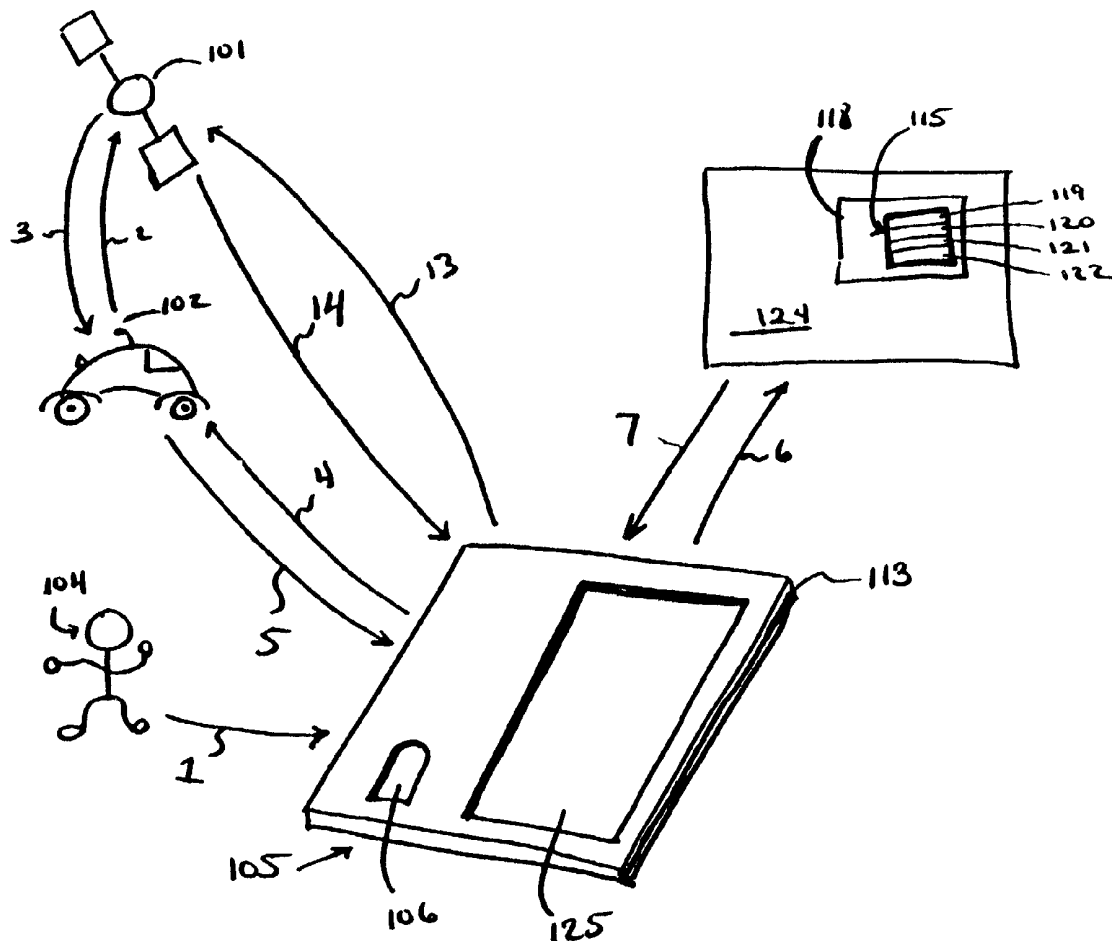
US 20030074209A1

(19) **United States**(12) **Patent Application Publication**
Tobin(10) **Pub. No.: US 2003/0074209 A1**(43) **Pub. Date: Apr. 17, 2003**(54) **USER DEVICE WITH SERVICE FINDING
AND PURCHASING FUNCTIONALITY**(52) **U.S. Cl. 705/1**(76) **Inventor: Christopher M. Tobin, McLean, VA
(US)**(57) **ABSTRACT**

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LOS ANGELES, CA 90025 (US)**(21) **Appl. No.: 09/981,342**(22) **Filed: Oct. 15, 2001****Publication Classification**(51) **Int. Cl.⁷ G06F 17/60**

A user device couples to a position determining system to determine relative positions of the device and a service vendor. The position determining system may include an information database that provides the device with information about the service vendor. A display may be coupled to the device to display the relative positions and the information about the service vendor on a map. Additionally, the device includes a device identifier to authorize a transaction without revealing the identity of a user of the device.



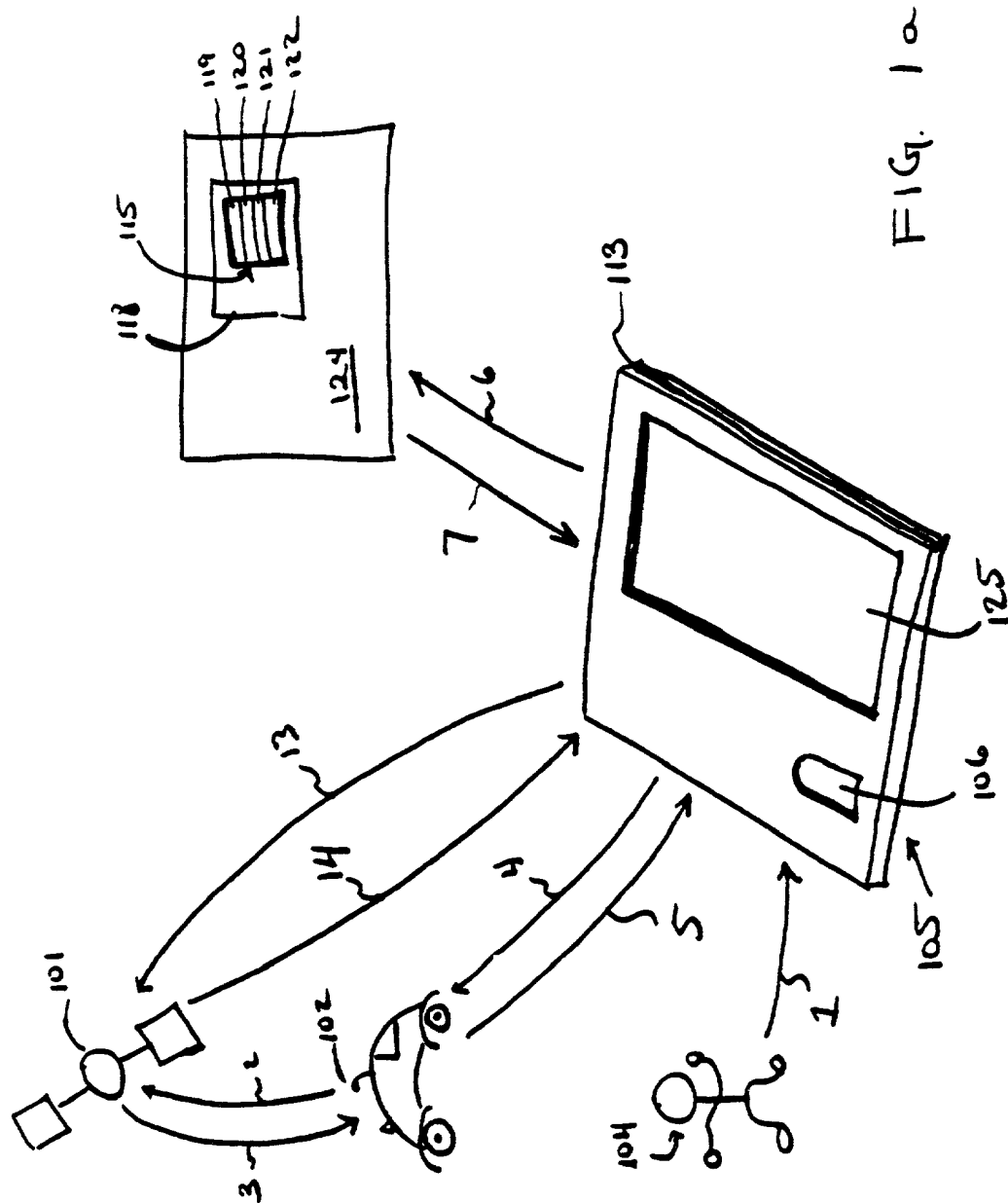
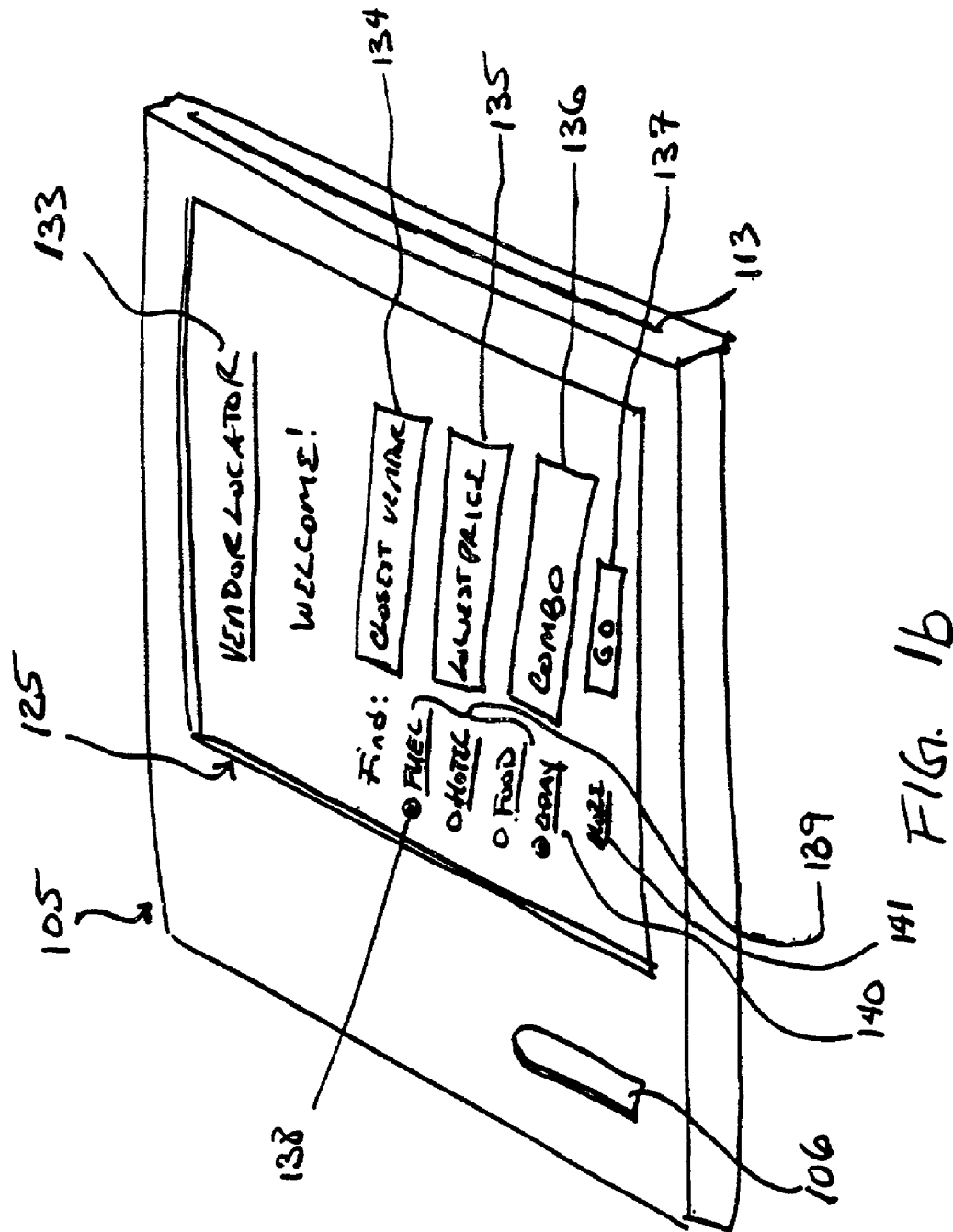


FIG. 10



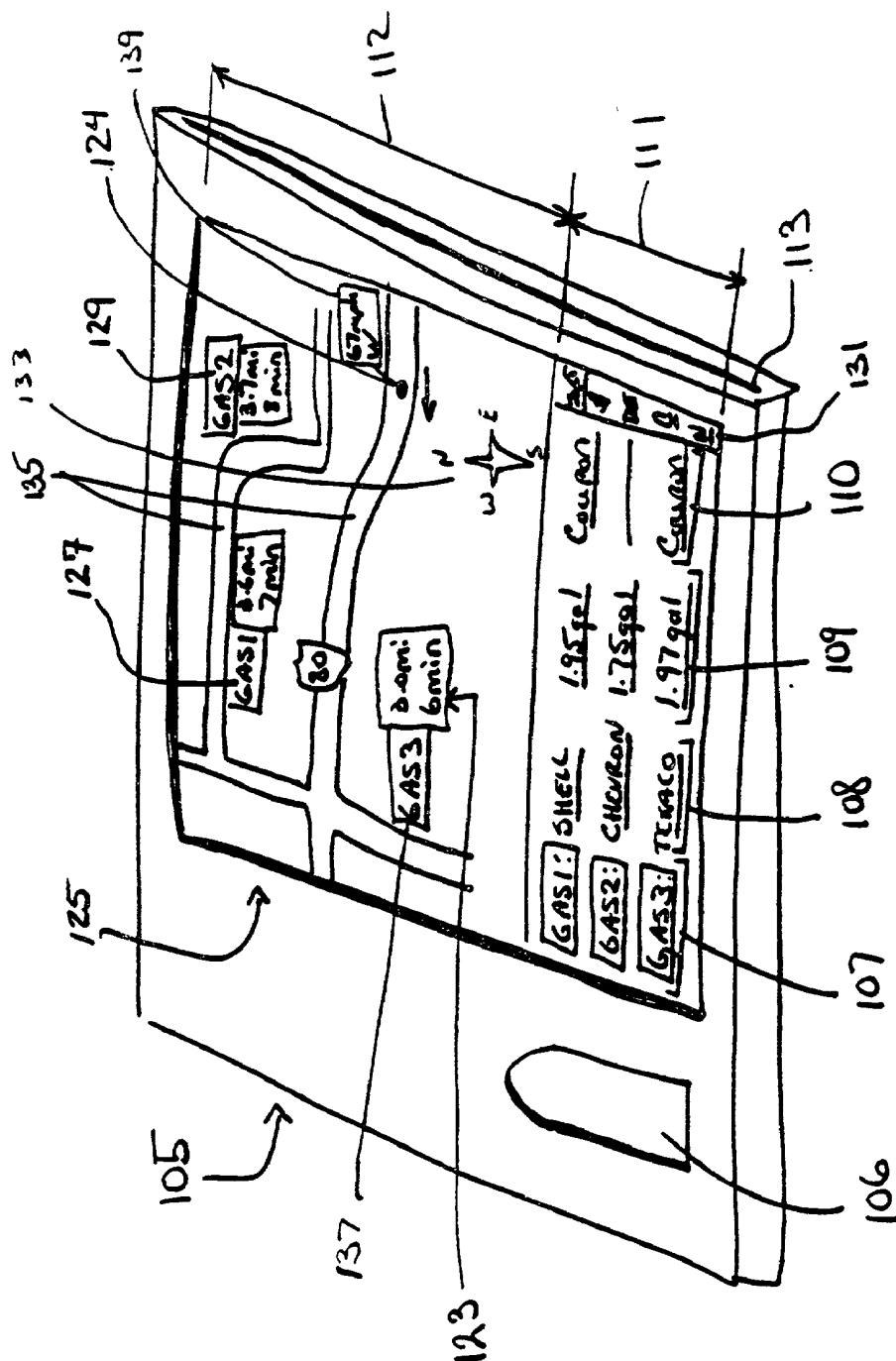


FIG. 1c

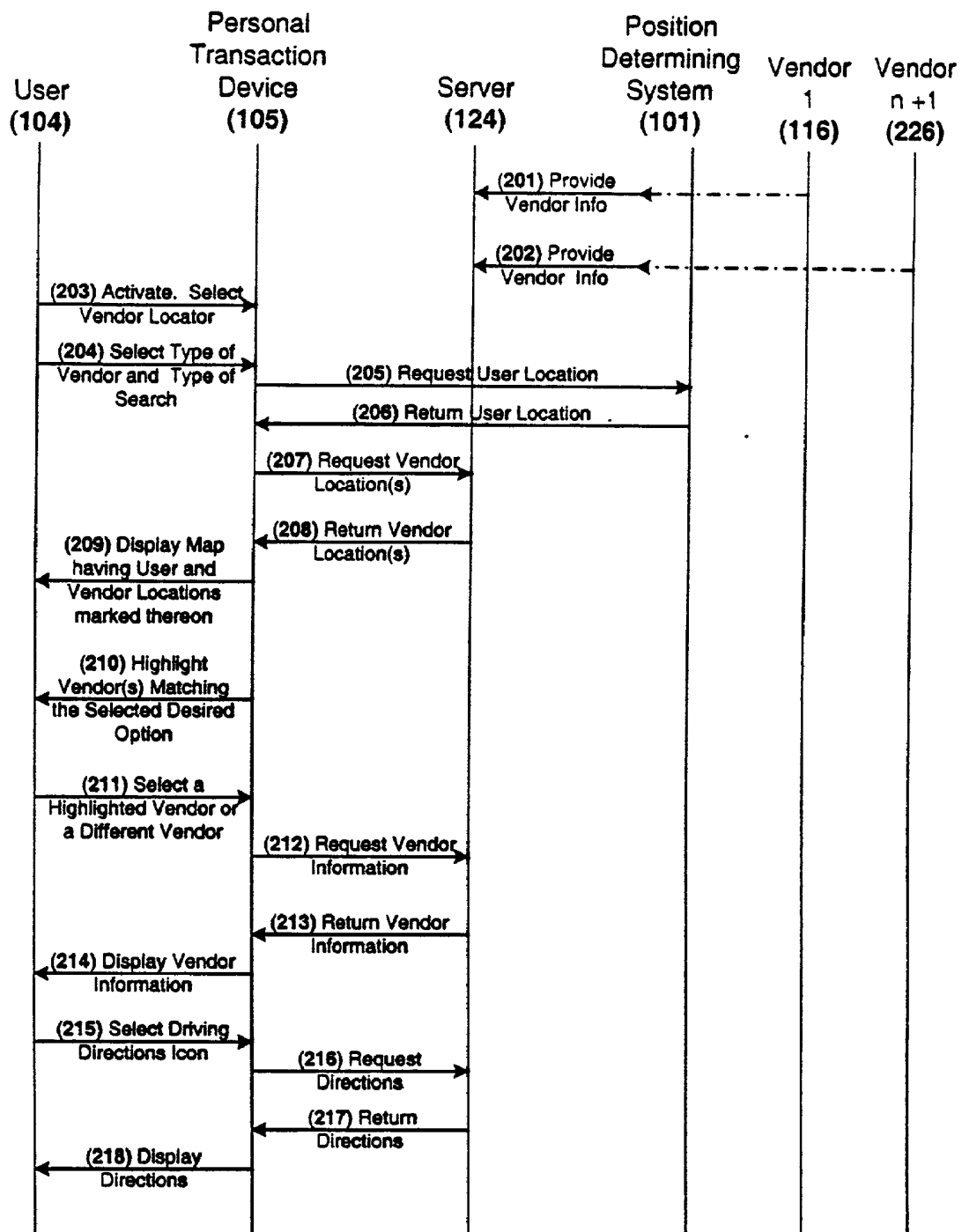


FIG. 2

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