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(12) **United States Patent
Falcon**

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(54) **PORTABLE COMPUTING
DEVICE-INTEGRATED APPLIANCE**

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WO WO 99/38728 * 8/1999

(75) Inventor: **Stephen R. Falcon**, Woodinville, WA (US)

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(73) Assignee: **Microsoft Corporation**, Redmond, WA (US)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 601 days.

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(21) Appl. No.: **10/295,305**

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(Continued)

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Primary Examiner—Glenn A. Auve

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(51) **Int. Cl.**
G06F 13/00 (2006.01)

(52) **U.S. Cl.** **710/303**; 381/86; 381/87

(57) **ABSTRACT**

(58) **Field of Classification Search** None
See application file for complete search history.

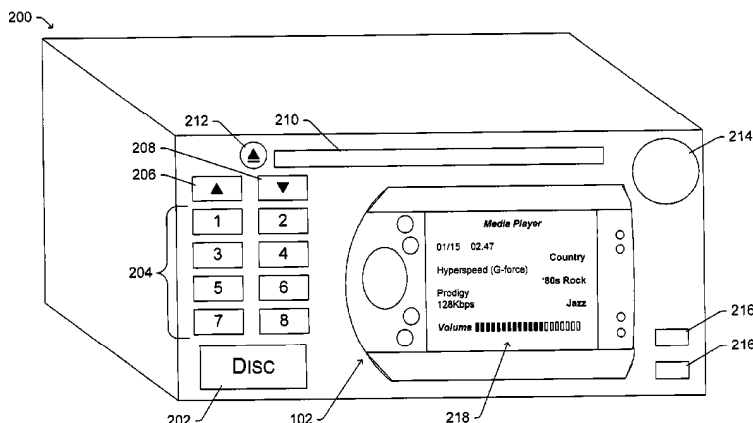
In accordance with one aspect, a portable computing device determines a type of an appliance in which the portable computing device is docked. The portable computing device identifies, based on the type of the appliance, a user interface configuration for the portable computing device, and configures the user interface of the portable computing device in accordance with the identified user interface configuration. In accordance with another aspect, a car stereo includes a docking station into which an off-the-shelf handheld computer can be docked. The car stereo also includes an input/output (I/O) component that allows the car stereo to communicate with the handheld computer when the handheld computer is docked in the docking station of the car stereo. In accordance with another aspect, an appliance in which a portable computing device can be docked is an integrated vehicle stereo and portable computing device docking station.

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24 Claims, 9 Drawing Sheets



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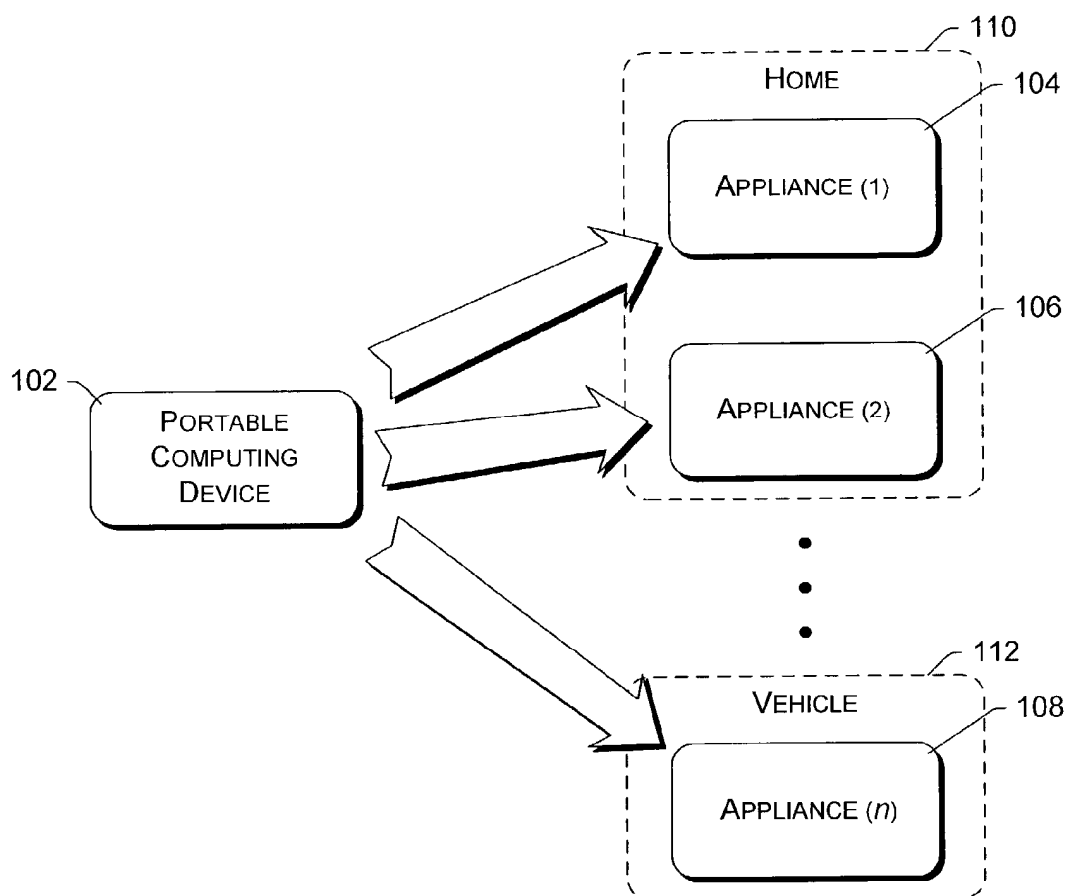


Fig. 1

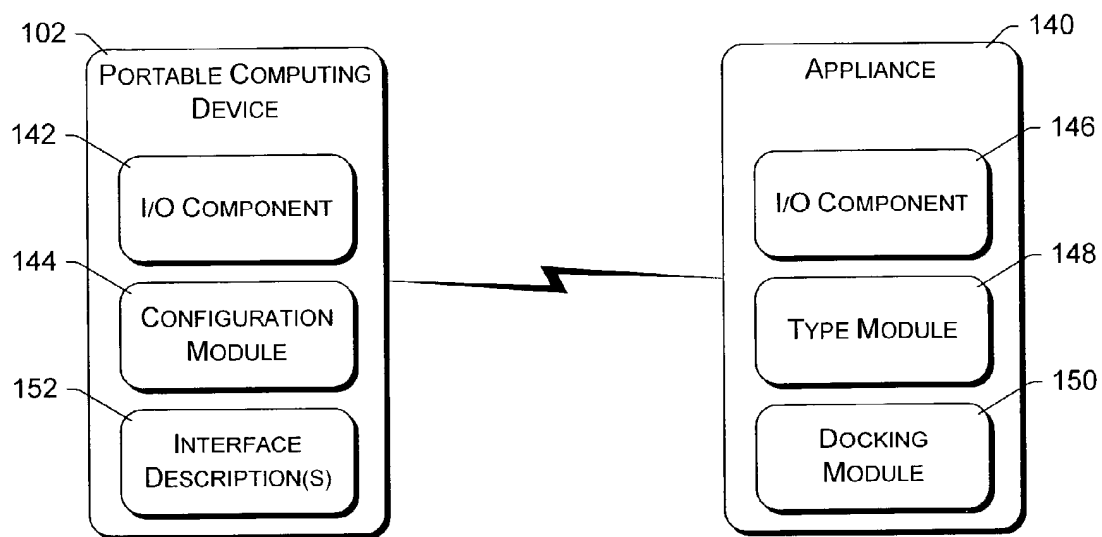


Fig. 2

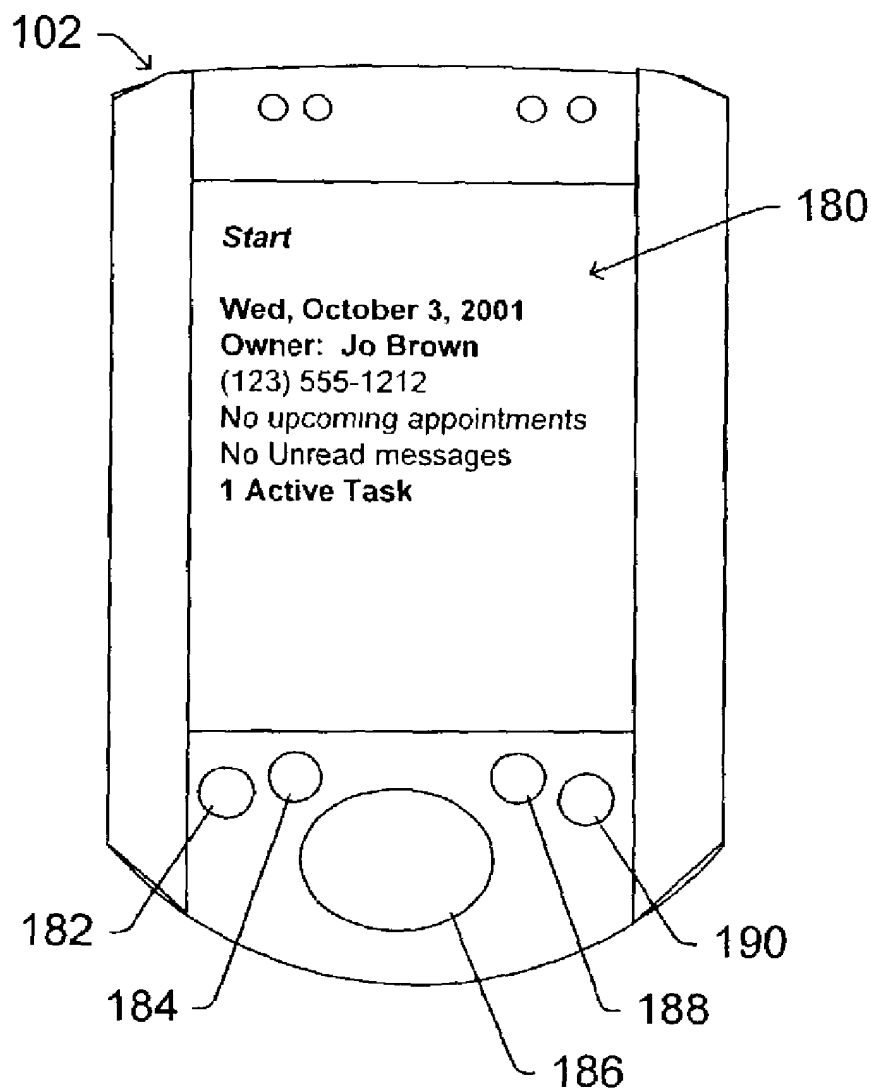


Fig. 3

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