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United States Patent [19]

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Wharton et al.

[45] Date of Patent: **Nov. 3, 1998**

[54] **METHOD AND SYSTEM FOR SYNCHRONIZING DATA BETWEEN AT LEAST ONE MOBILE INTERFACE DEVICE AND AN INTERACTIVE TERMINAL**

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[57] ABSTRACT

[21] Appl. No.: **572,790**

A method and system for synchronizing display of data relating to a predetermined application between an interactive terminal and at least one mobile interface device having a display. The at least one mobile interface device receives a user input signal and transmits the user input signal for synchronization with the interactive terminal. A set-top transceiver device is operatively coupled to the interactive terminal and receives the user input signal from the at least one mobile interface device. The set-top transceiver device also transmits a synchronization signal to the at least one mobile interface device and the interactive terminal. A central processing unit having a database is operatively coupled to the set-top transceiver device for receiving and processing the user input signal based on the database to obtain the synchronization signal for receipt by the set-top transceiver device. The synchronization signal includes a first display control signal for controlling the display of the at least one mobile interface device and a second display control signal for controlling the display of the interactive terminal.

[22] Filed: **Dec. 15, 1995**

[51] Int. Cl.⁶ **H04N 7/10**; H04N 7/14

[52] U.S. Cl. **348/13**; 348/10; 348/8; 455/6.2; 455/4.2; 345/1; 345/2; 345/156

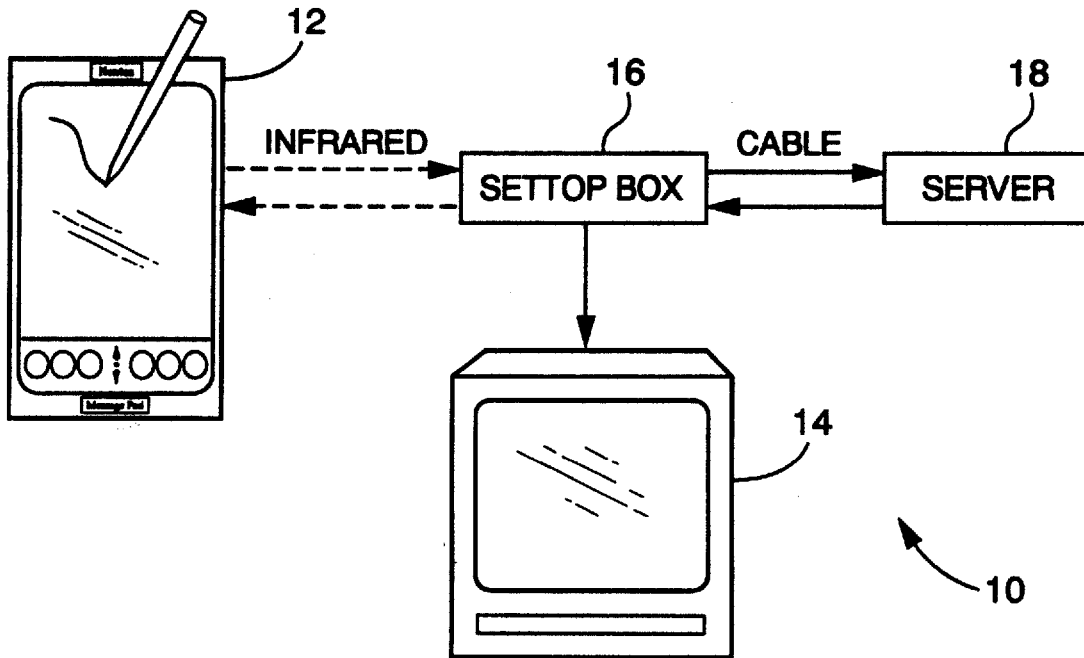
[58] Field of Search 348/10, 11, 12, 348/13, 7, 6, 8; 455/6.2, 6.3, 4.2, 5.1; 345/1, 2, 3, 156, 158, 173, 179; H04N 7/10, 7/14

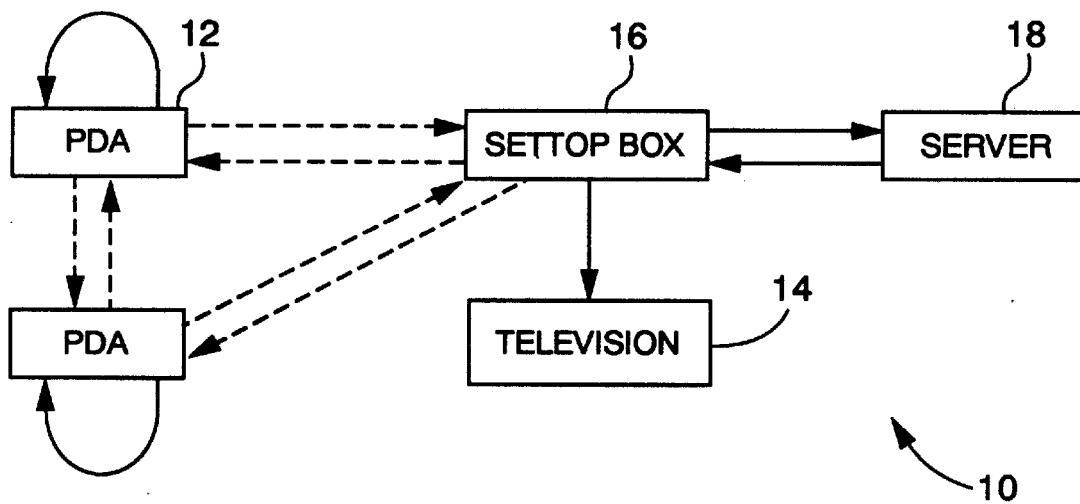
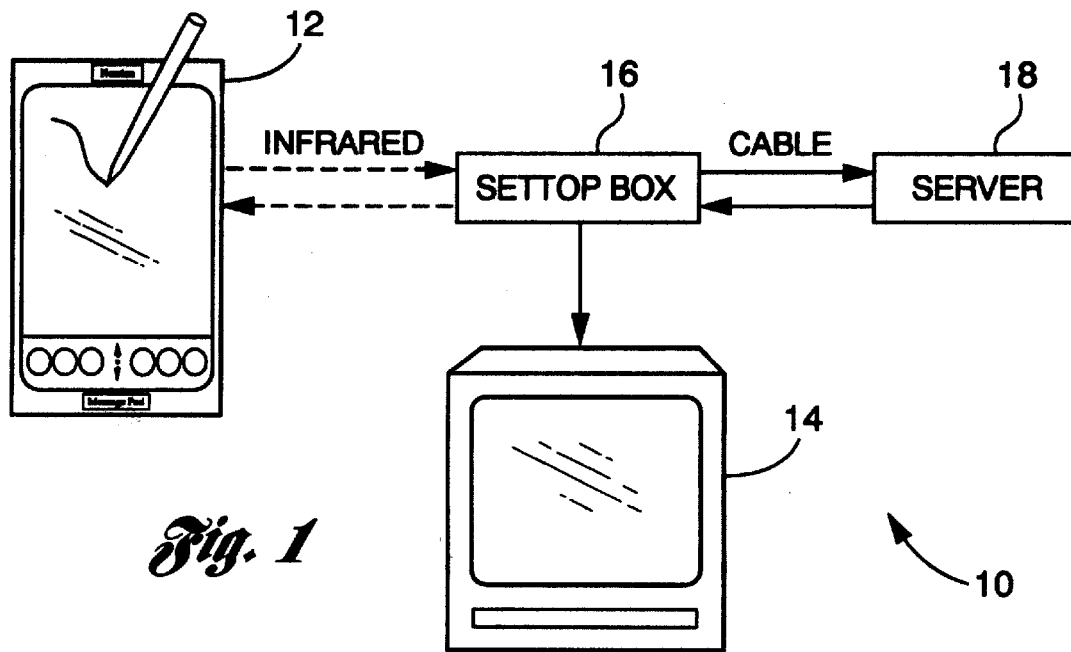
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45 Claims, 10 Drawing Sheets





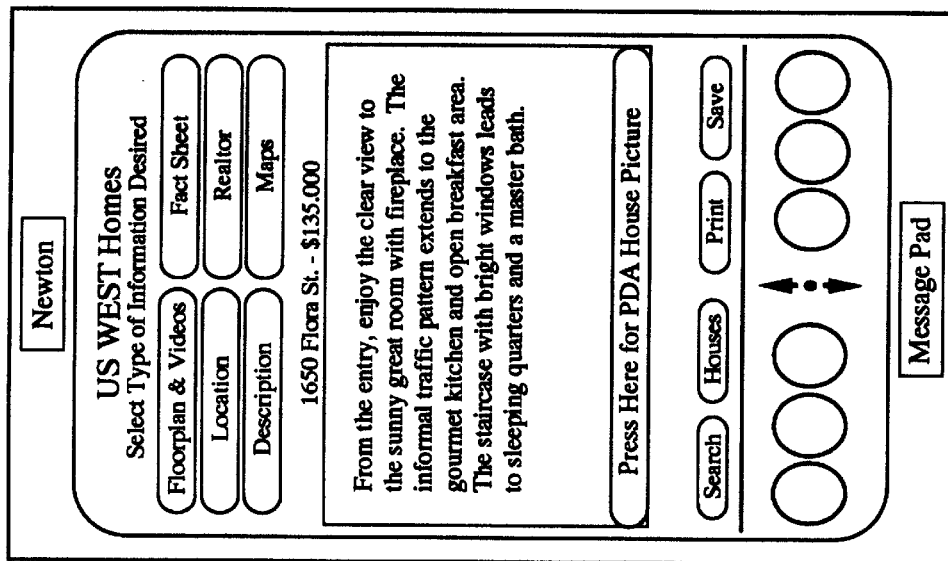


Fig. 3b

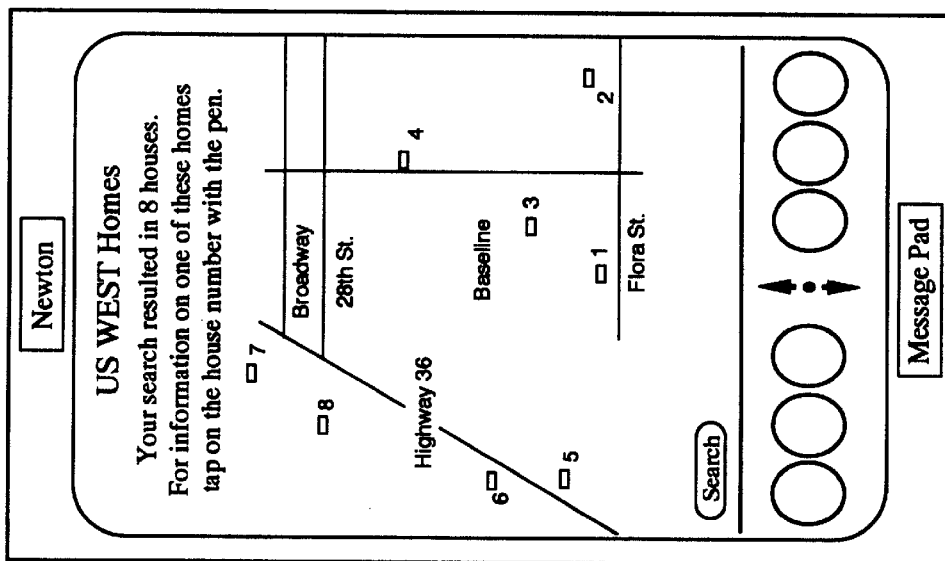


Fig. 3a

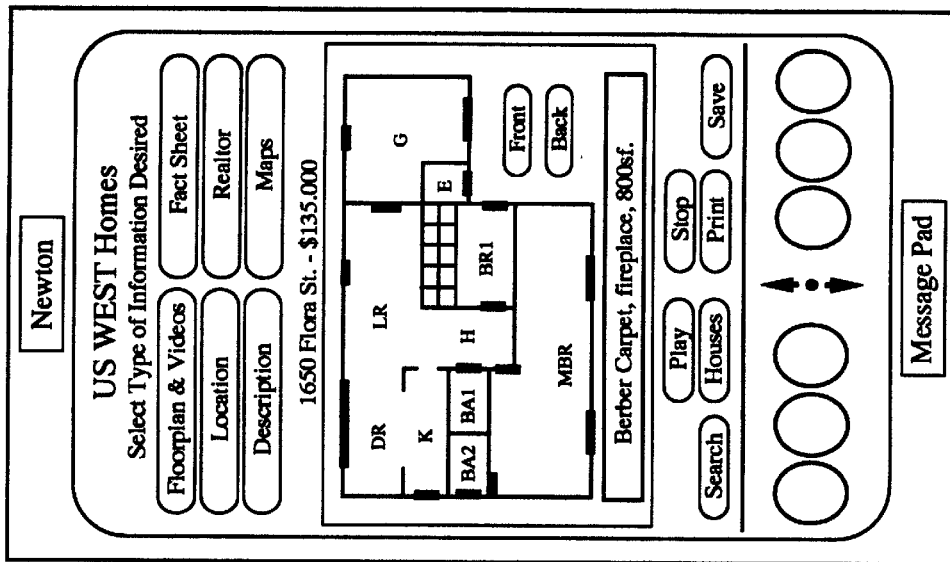


Fig. 3b

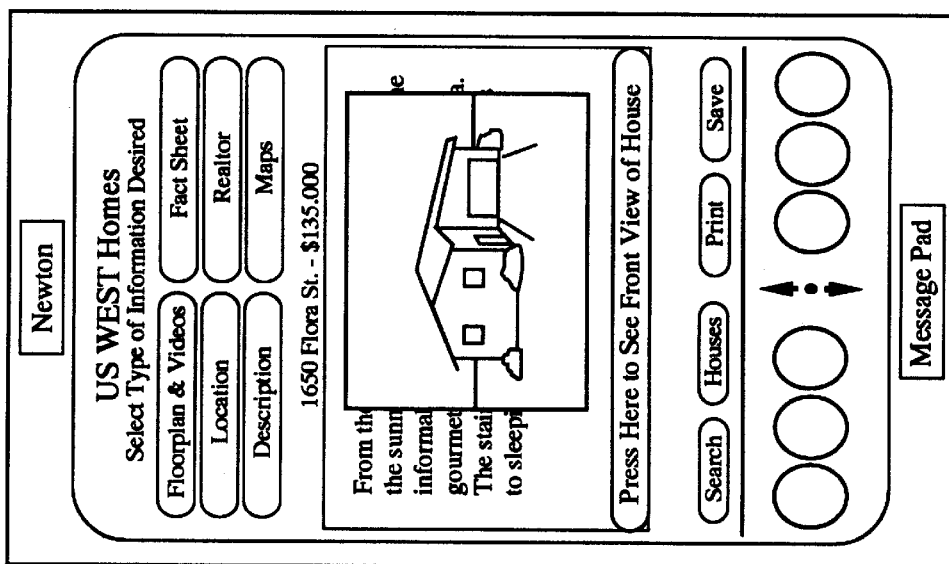


Fig. 3c

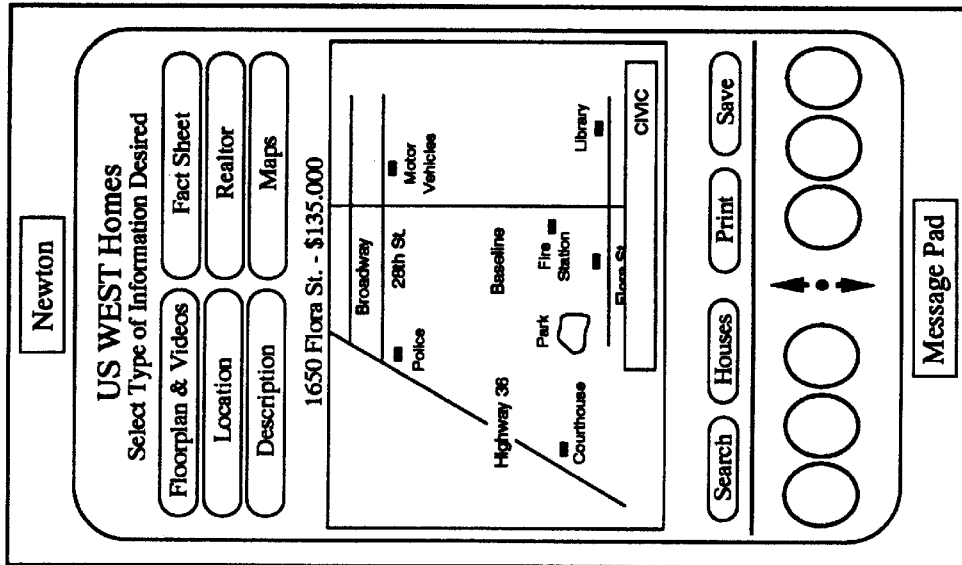


Fig. 3f

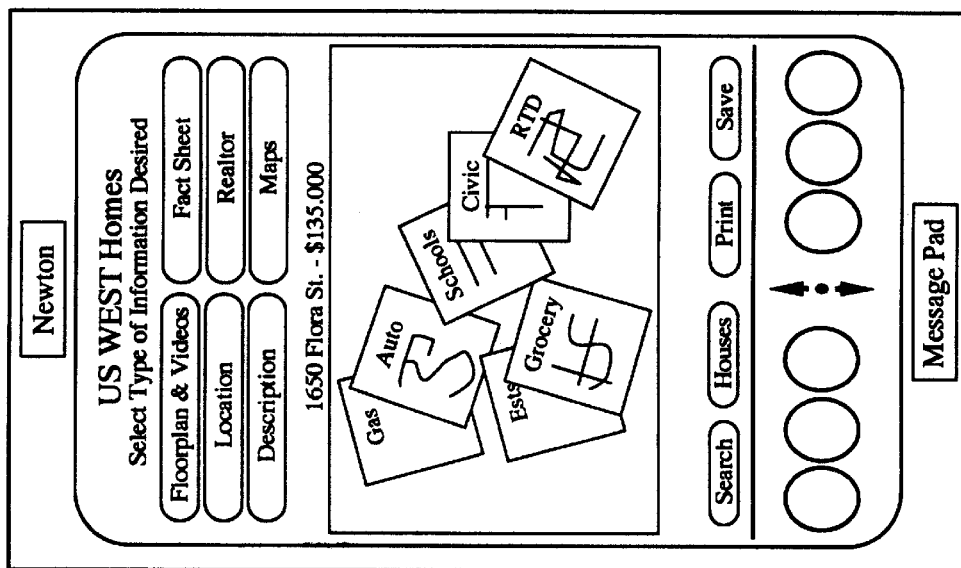


Fig. 3e

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