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Haller et al.

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(54) **SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS**

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(58) **Field of Classification Search** 370/259, 370/260, 320, 321, 328–339, 342, 347, 400–401, 370/395.5, 395.54, 465–649; 455/403, 422, 455/550, 556, 557; 709/203, 208
See application file for complete search history.

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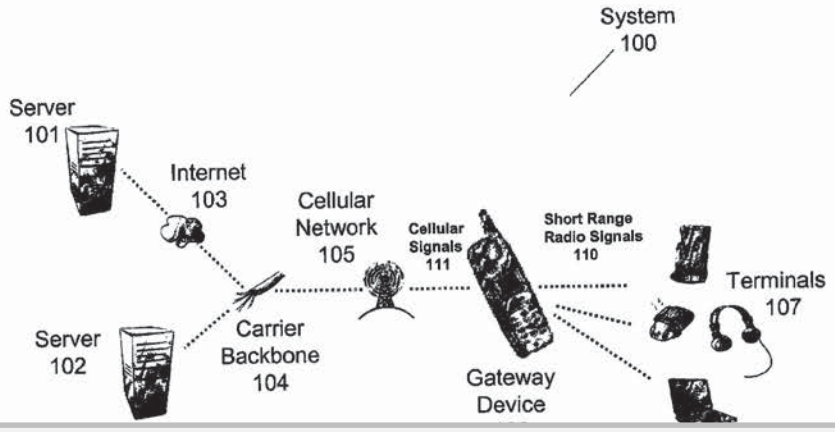
(57) **ABSTRACT**

A system, a wireless hand-held device, and software component for accessing information responsive to short-range radio signals is provided. The system includes a wireless gateway device coupled to a network, such as a cellular network. The wireless gateway device includes a network manager software component for accessing information from the network responsive to a first short-range radio signal. The network may be a corporate, private or public network, such as the Internet. A first wireless device is coupled to the wireless gateway device. The first wireless device provides the first short-range radio signal. In an embodiment of the present invention, the first wireless device is a cellular telephone, personal digital assistant or thin terminal having a Bluetooth™ processor and transmitter. In an embodiment of the present invention, the network manager software component includes a plug and play software component for loading and executing software for the first wireless device. In an embodiment of the present invention, a second wireless device accesses information on the first wireless device using the wireless gateway device.

56 Claims, 9 Drawing Sheets



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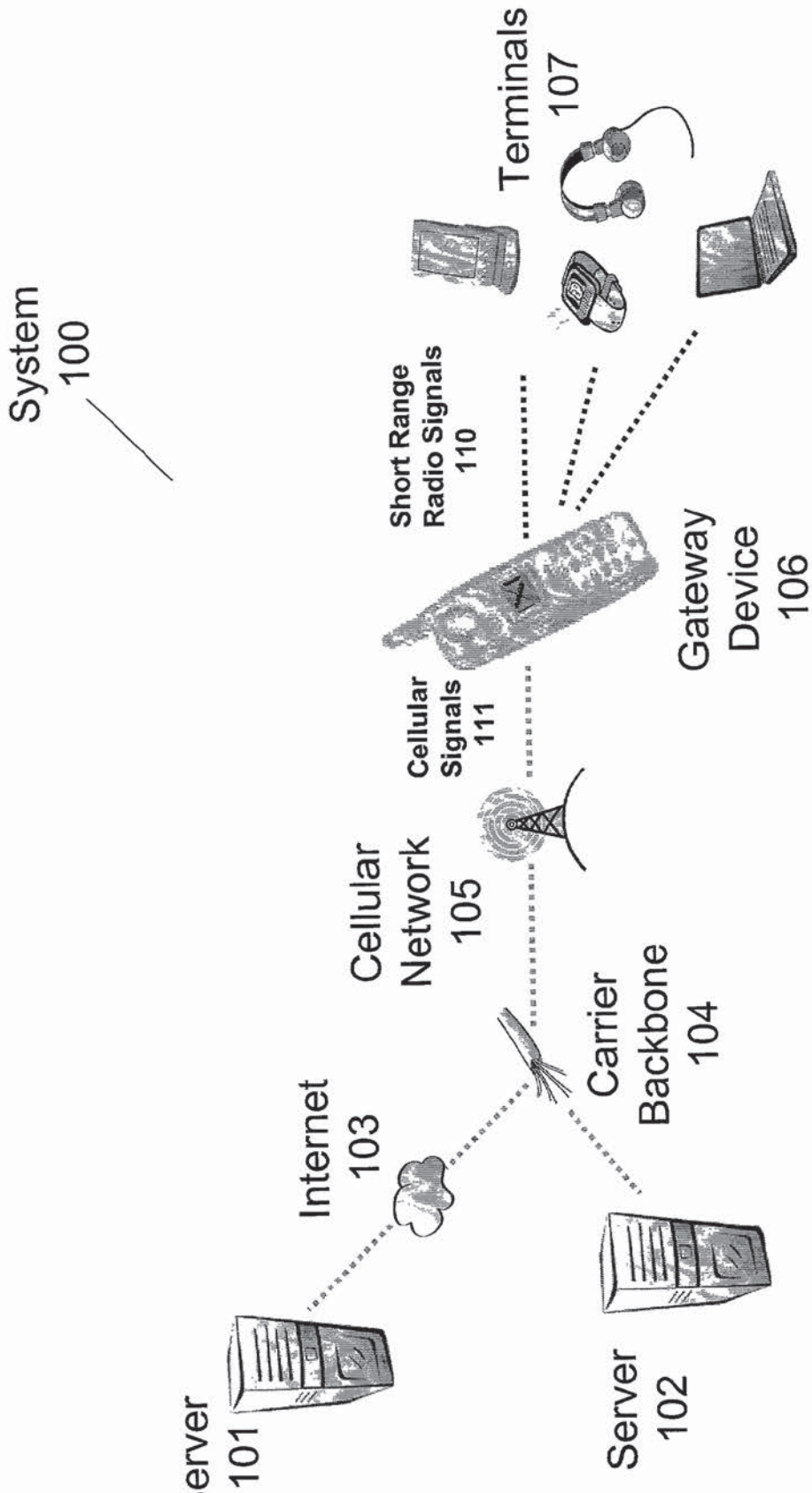

Fig. 1

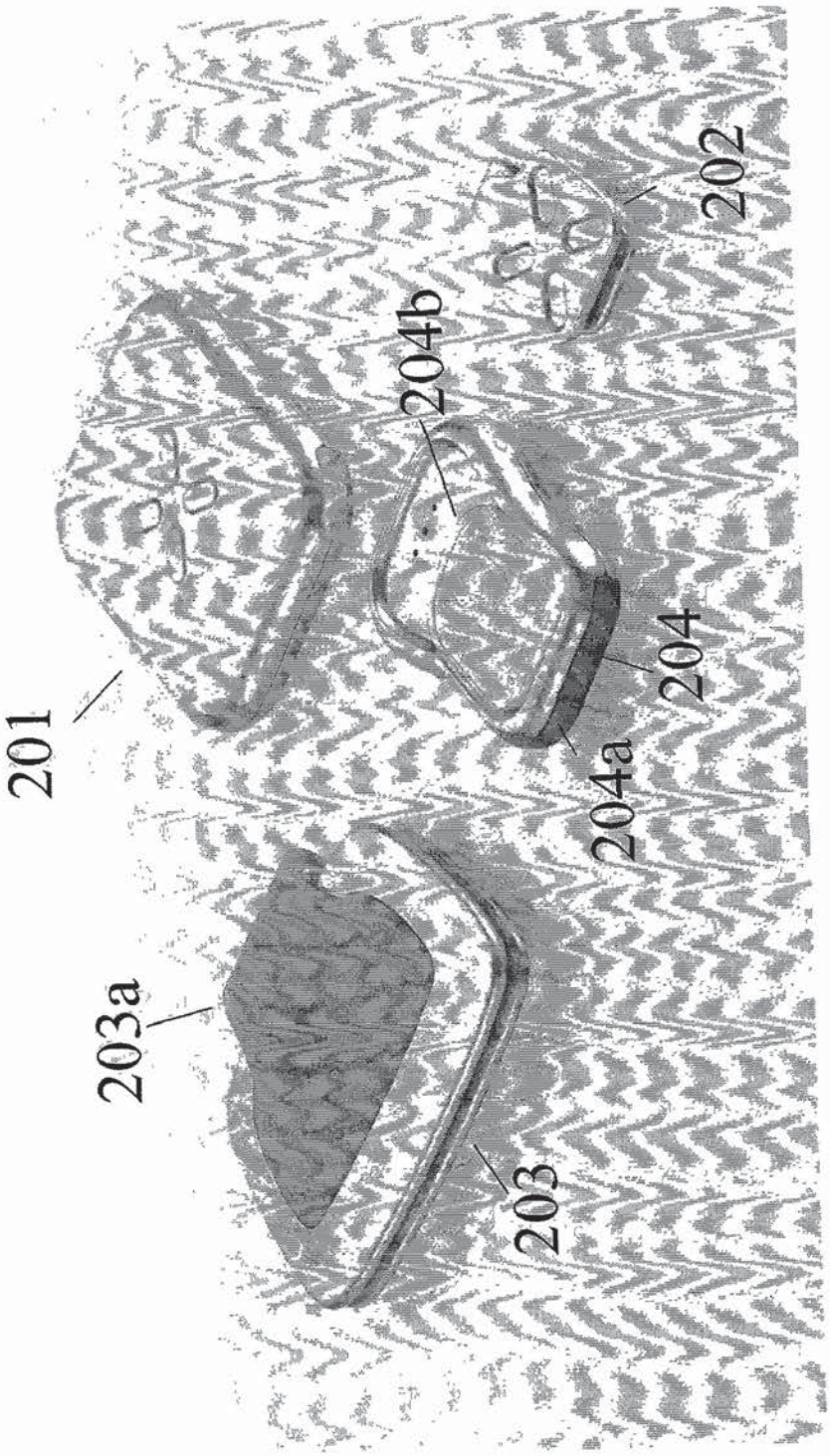

Fig. 2

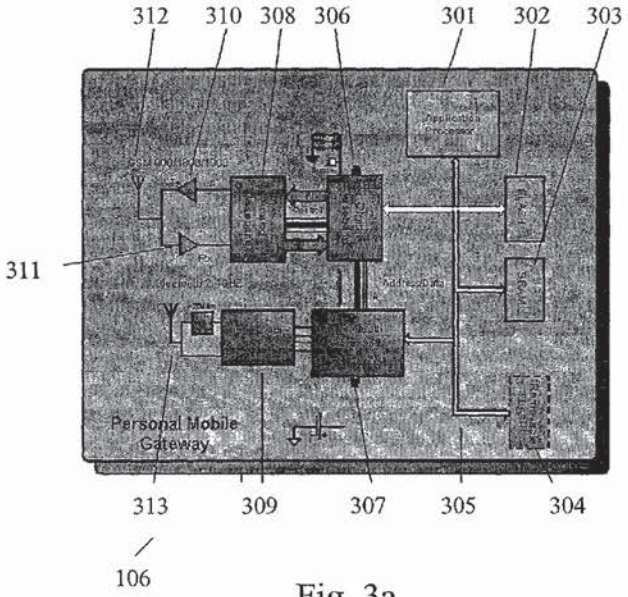

Fig. 3a

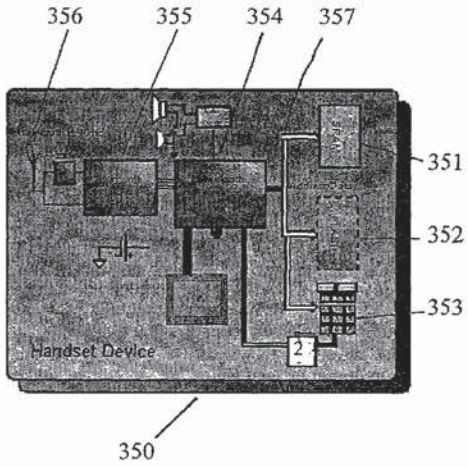

Fig. 3b

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