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Goldman et al.

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(54) **POTS/PACKET BRIDGE**

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(Continued)

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Primary Examiner — Nathan Flynn

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Assistant Examiner — Jason Harley

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(57) **ABSTRACT**

Related U.S. Application Data

(63) Continuation of application No. 09/640,797, filed on Aug. 18, 2000, now Pat. No. 6,963,556, which is a continuation of application No. 08/946,965, filed on Oct. 8, 1997, now Pat. No. 6,134,235.

A system and method for bridging the POTS network and a packet network, such as the Internet, uses a set of access objects that provide the interfacing and functionality for exchanging address and payload information with the packet network, and for exchanging payload information with the payload subnetwork and signaling information with the signaling subnetwork of the POTS network. The system includes a communications management object that coordinates the transfer of information between the POTS network and the packet network; a payload object that transfers payload information between the system and the payload subnetwork of the first communications network; a signaling object that transfers signaling information between the system and the signaling subnetwork of the first communications network in accordance with a signaling protocol associated with the signaling subnetwork; and a packet object that transfers payload and address information between the system and the second communications network in accordance with a communications protocol associated with the second communications network. An alternative embodiment uses a plurality of payload, signaling and packet objects to provide a scalable system.

(51) **Int. Cl.**
H04L 12/66 (2006.01)

(52) **U.S. Cl.** **370/352; 370/401; 370/466**

(58) **Field of Classification Search** **370/401,**
370/400

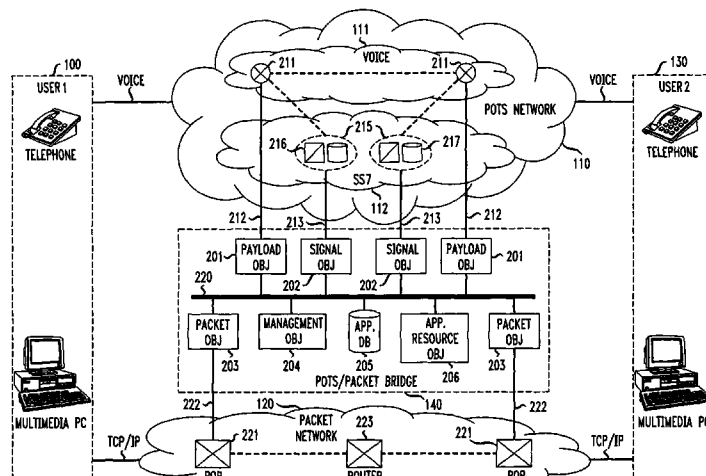
See application file for complete search history.

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23 Claims, 4 Drawing Sheets



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FIG. 1

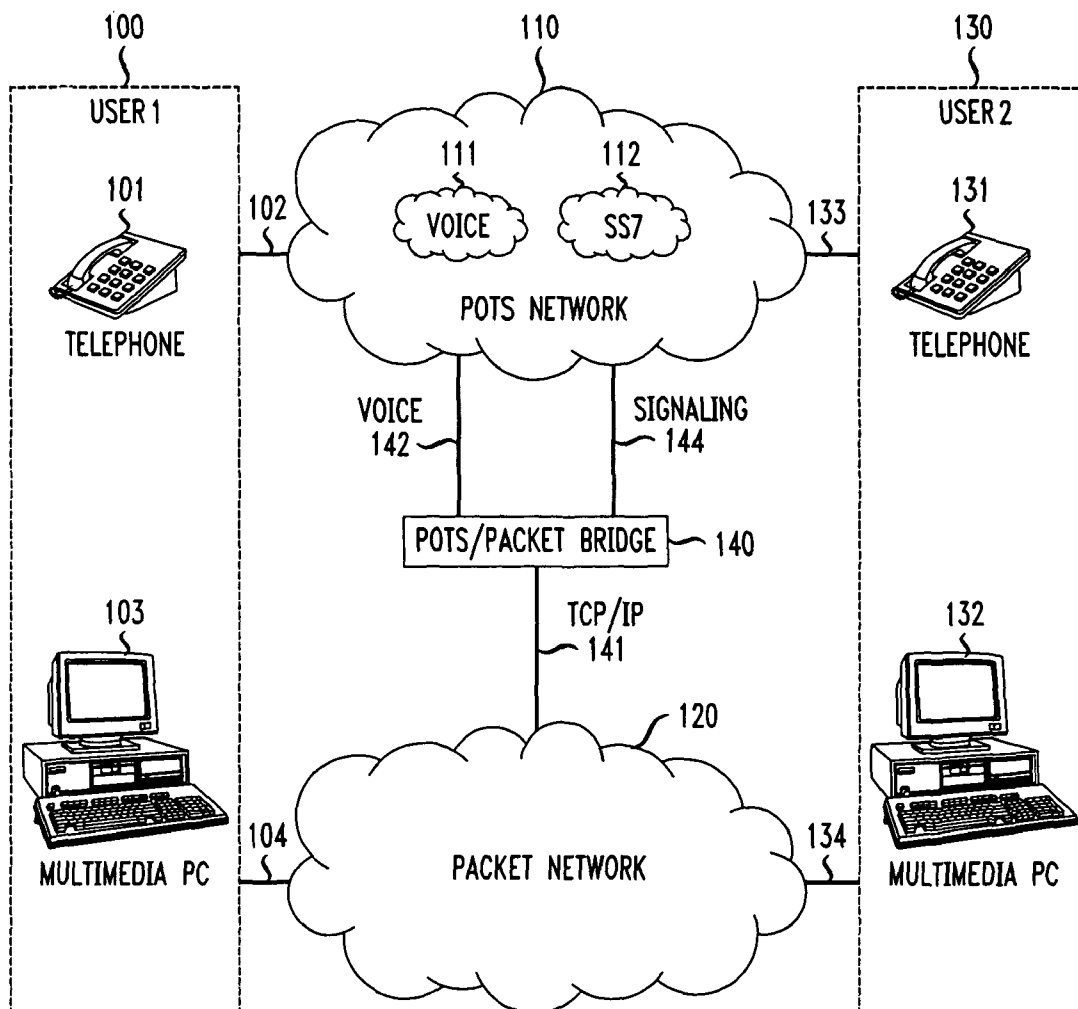
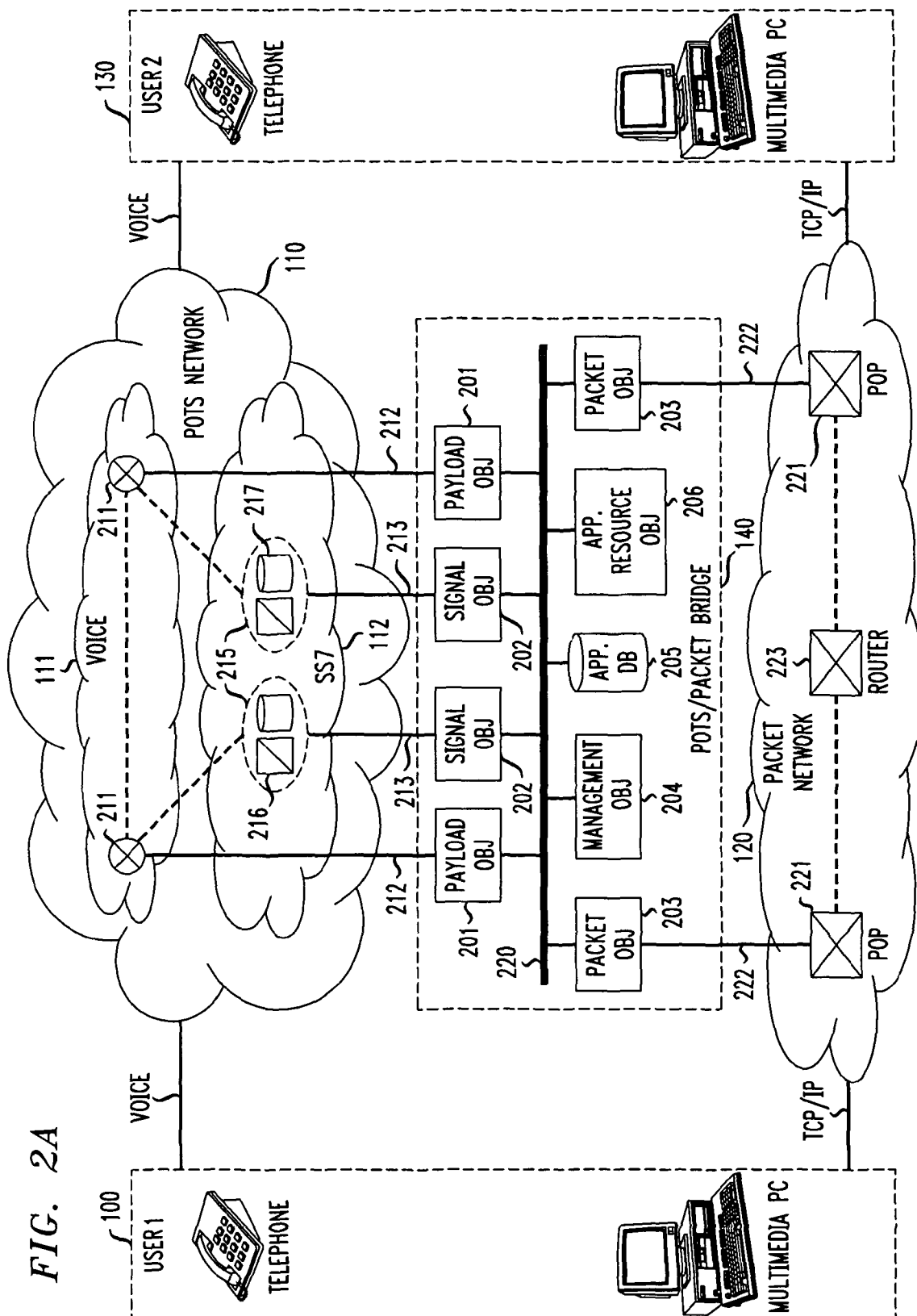
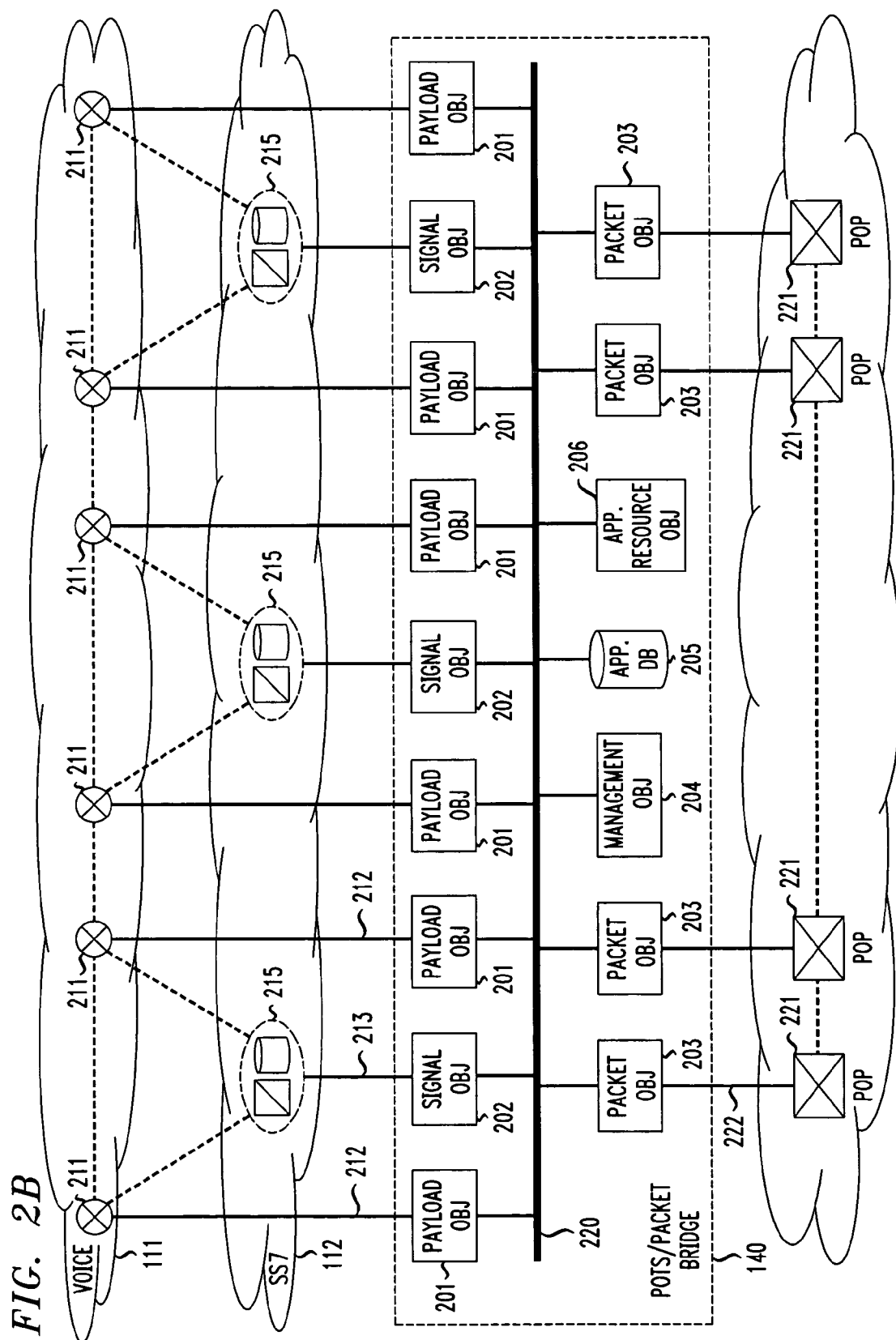


FIG. 2A





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