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Bhagavath et al.

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(54) **DIGITAL SUBSCRIBER LINE SERVER SYSTEM AND METHOD FOR DYNAMICALLY CHANGING BIT RATES IN RESPONSE TO USER REQUESTS AND TO MESSAGE TYPES**

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(51) **Int. Cl.**⁷ **G06F 15/16**

(52) **U.S. Cl.** **709/203; 709/223; 709/224; 709/217; 375/222**

(58) **Field of Search** **709/201, 202, 709/203, 217, 219, 222, 224, 225, 227, 229, 223, 238, 250; 375/222, 219, 229, 230, 235; 370/485, 230, 235, 420, 401; 379/93.28, 114; 714/4**

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(57) **ABSTRACT**

A server platform is programmed to receive requests from the customer digital subscriber line modems for changing the customer's class of service for access to the Internet. The server platform can provide an immediate change in the bit rate of a platform digital subscriber line modem in response to a customer's request. The server platform can provide a service plan that automatically changes the bit rate of a platform digital subscriber line modem in response to a customer's request. The server platform can selectively provide a schedule that is followed to automatically change the bit rate of a platform digital subscriber line modem in response to a customer's request. In addition, the server platform can selectively provide an option to automatically increase the bit rate of a platform digital subscriber line modem when receiving streaming video or audio content from the Internet. A database is coupled to the Ethernet LAN to store the class of service status of each respective platform digital subscriber line modem.

29 Claims, 12 Drawing Sheets

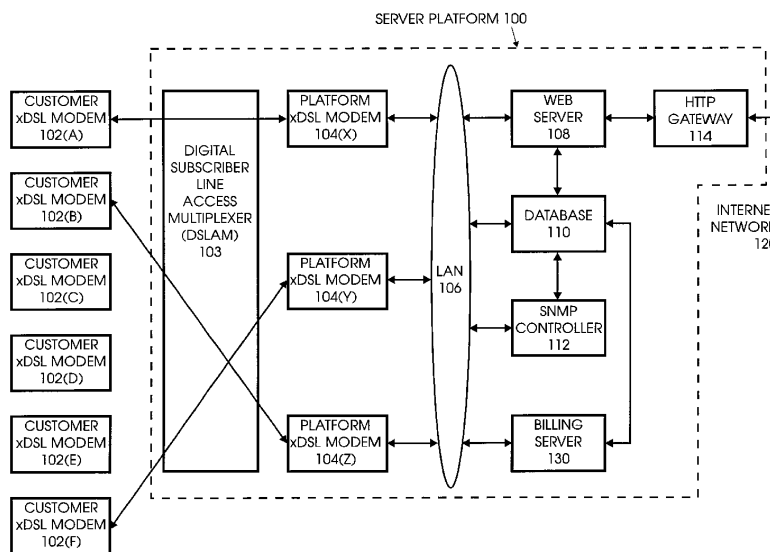


FIG. 1

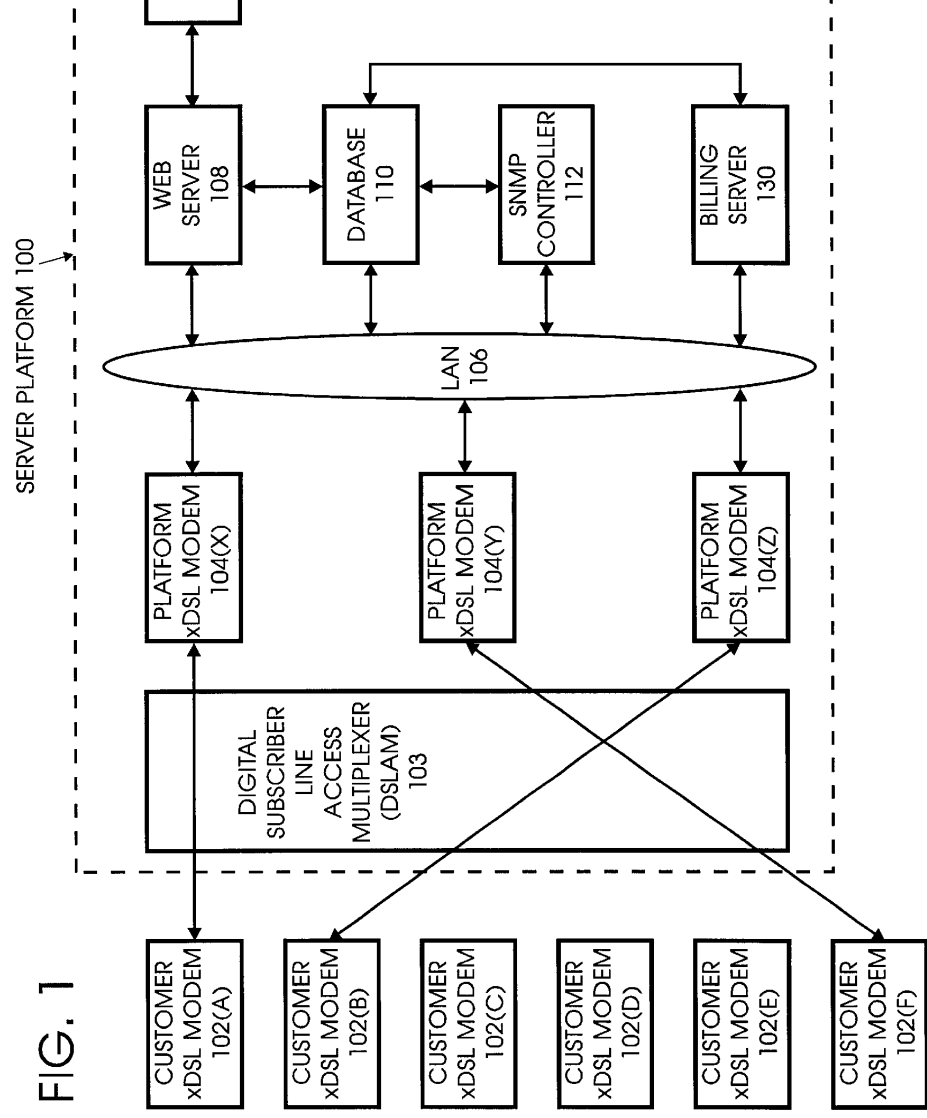
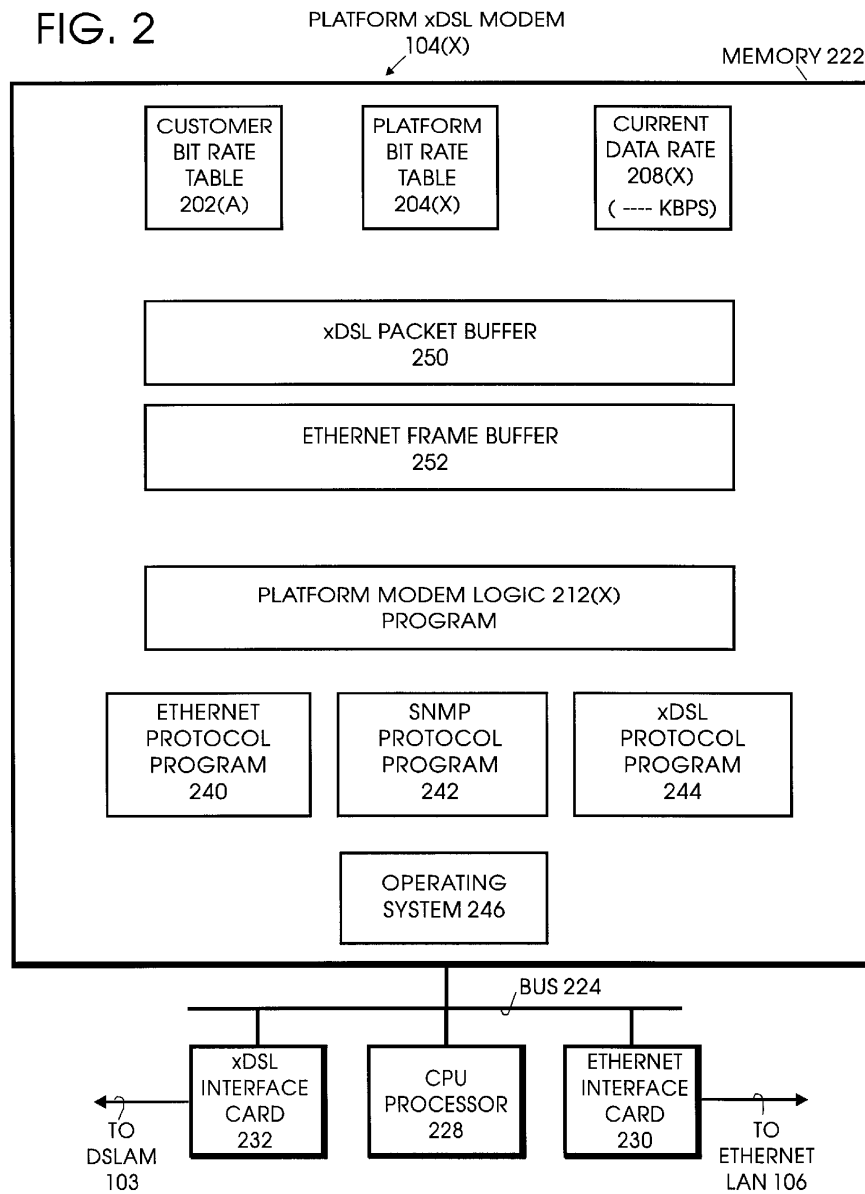
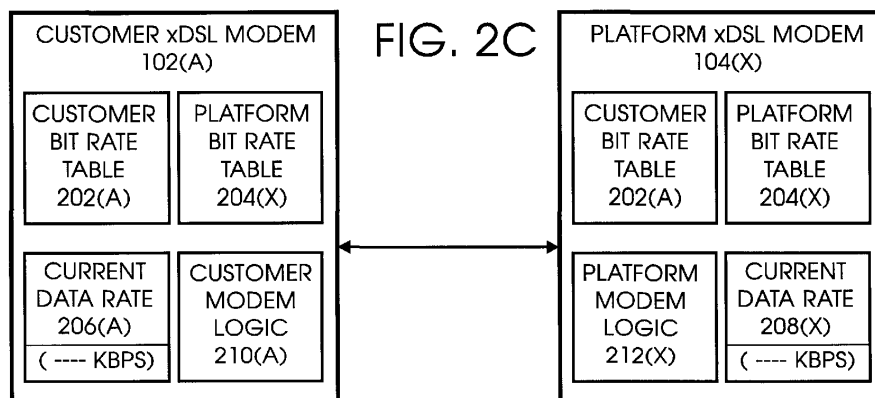
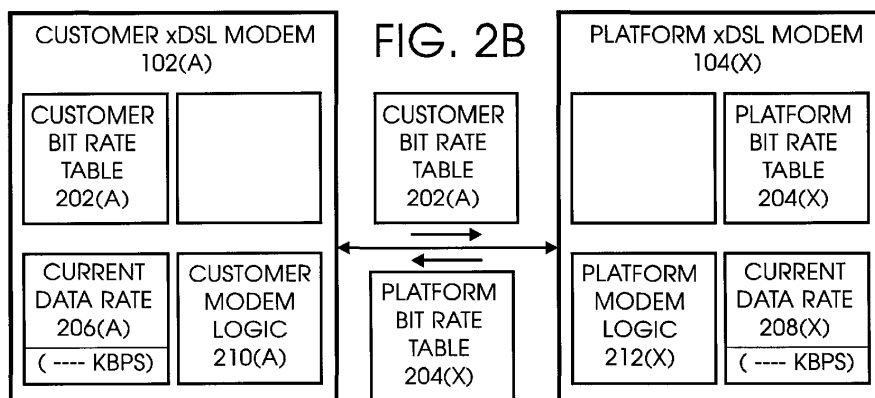
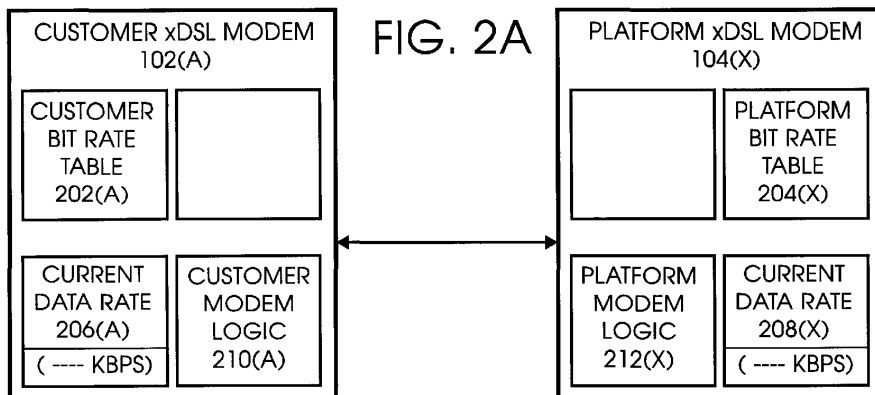
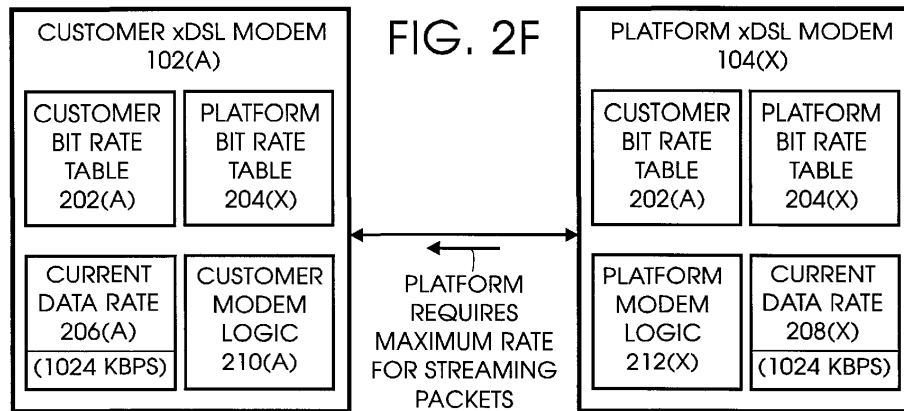
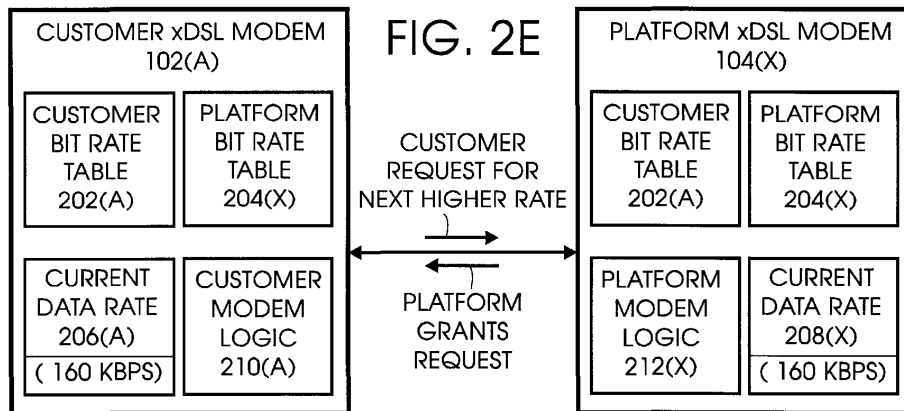
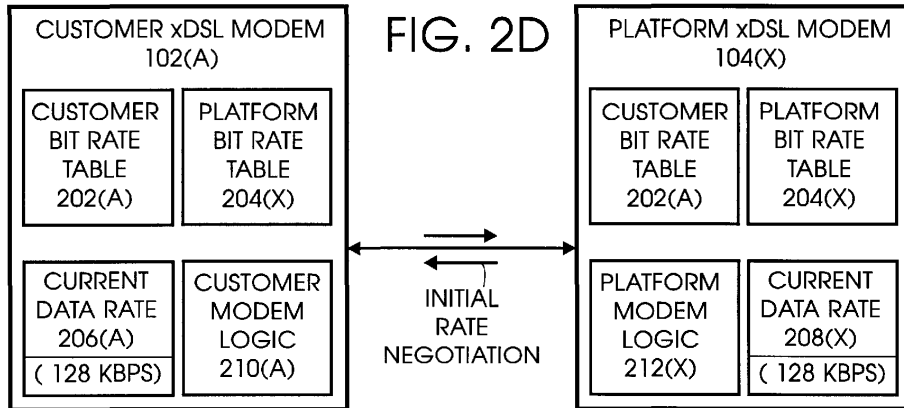


FIG. 2







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