



[54] FLEXIBLE DIRECT SIGNALING SYSTEM

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[73] Assignee: Lucent Technologies Inc., Murray Hill, N.J.

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[21] Appl. No.: 08/635,800

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Assistant Examiner—Benny Q. Tieu

[51] Int. Cl.⁶ H04M 3/42; H04M 7/00

[57] ABSTRACT

[52] U.S. Cl. 379/207; 379/219; 379/229; 379/209

A direct signaling system for providing system subscribers with the freedom to access service providers of their choice, regardless of their access network arrangement, with substantially minimum change to existing telecommunication software and architecture. The system provides a home interface unit and a call server that enables a subscriber to send signaling messages to and receive messages from the service providers of their choice. The home interface unit and call server execute state machines that provide specific details of system operation. The call server state machine triggers a state machine and thus operation of the service specific servers chosen by the subscriber.

[58] Field of Search 379/201, 207, 379/220, 221, 230, 216, 209, 229, 219; 455/466; 370/352

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27 Claims, 9 Drawing Sheets

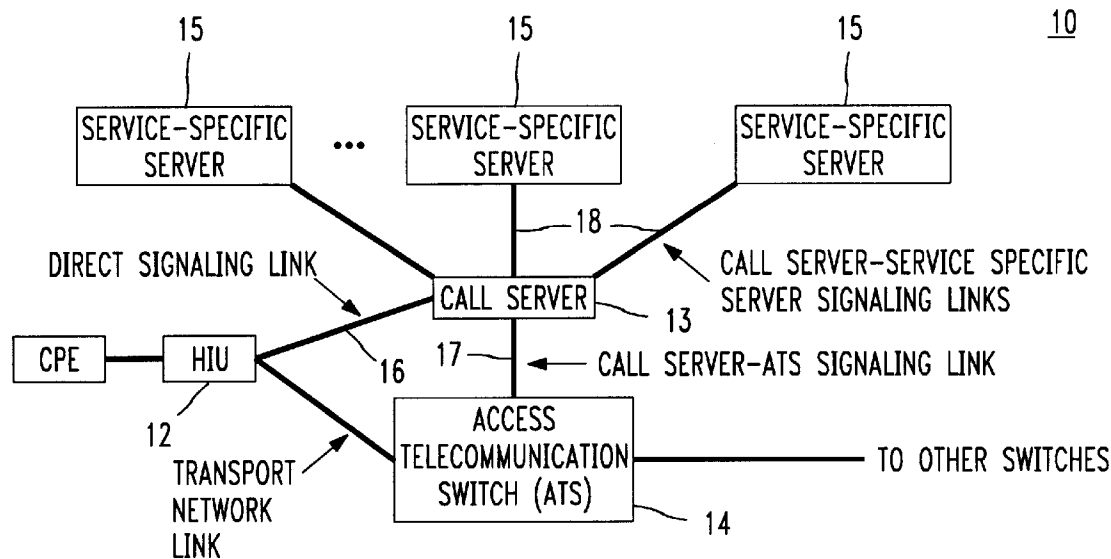


FIG. 1
PRIOR ART

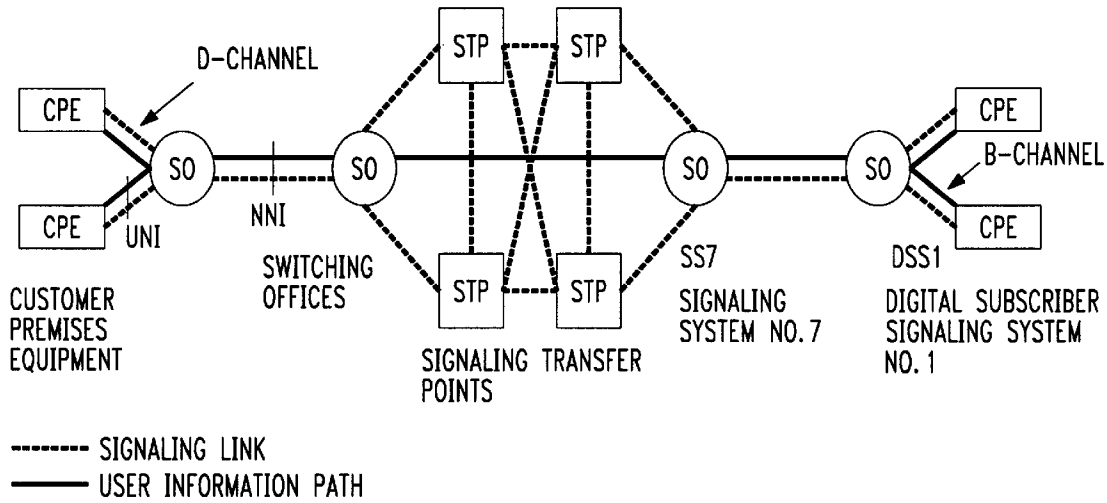


FIG. 2
PRIOR ART

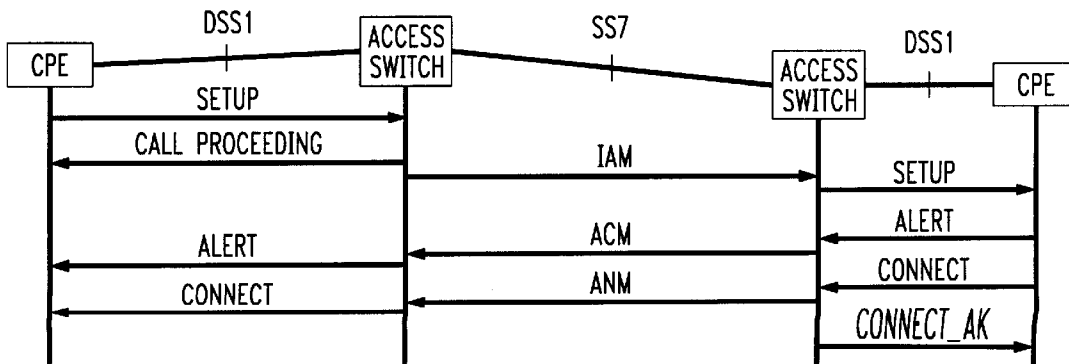


FIG. 3

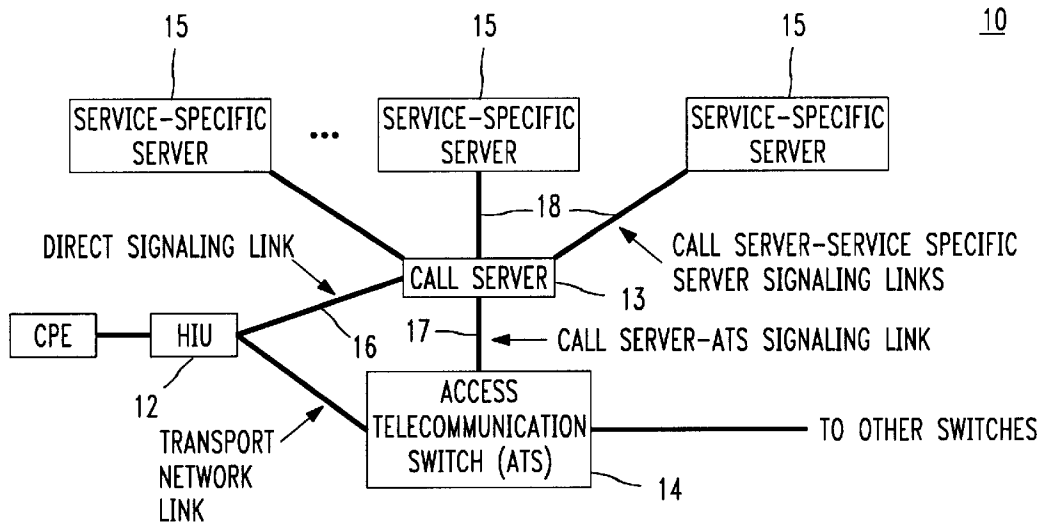


FIG. 4

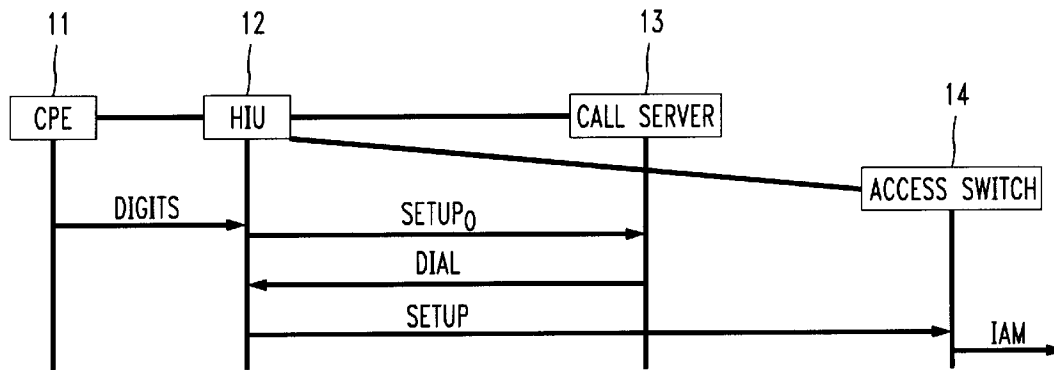


FIG. 5

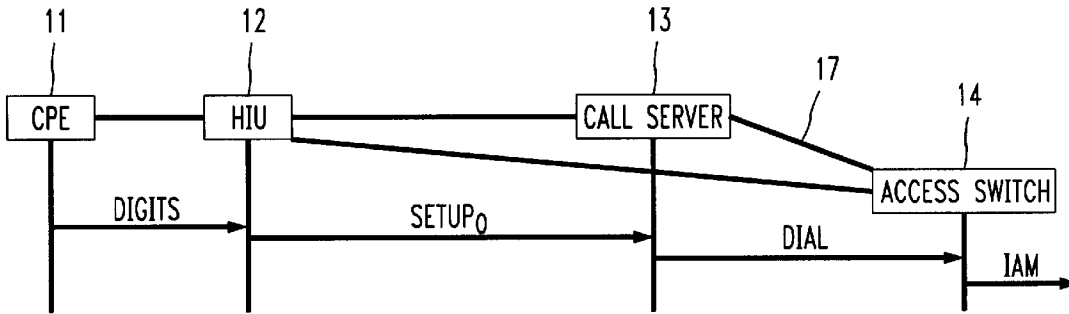


FIG. 6

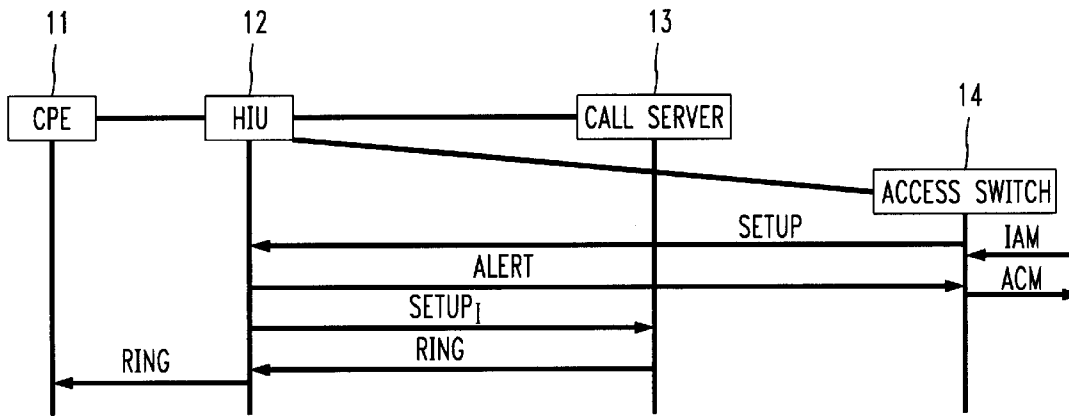


FIG. 7

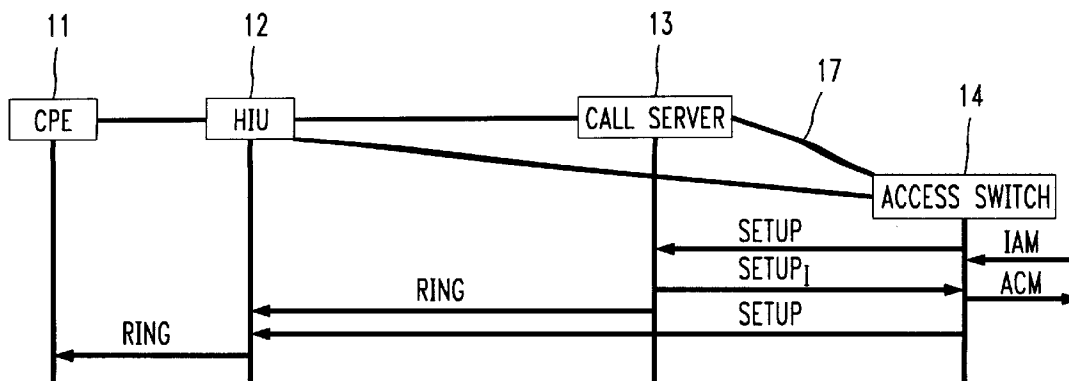
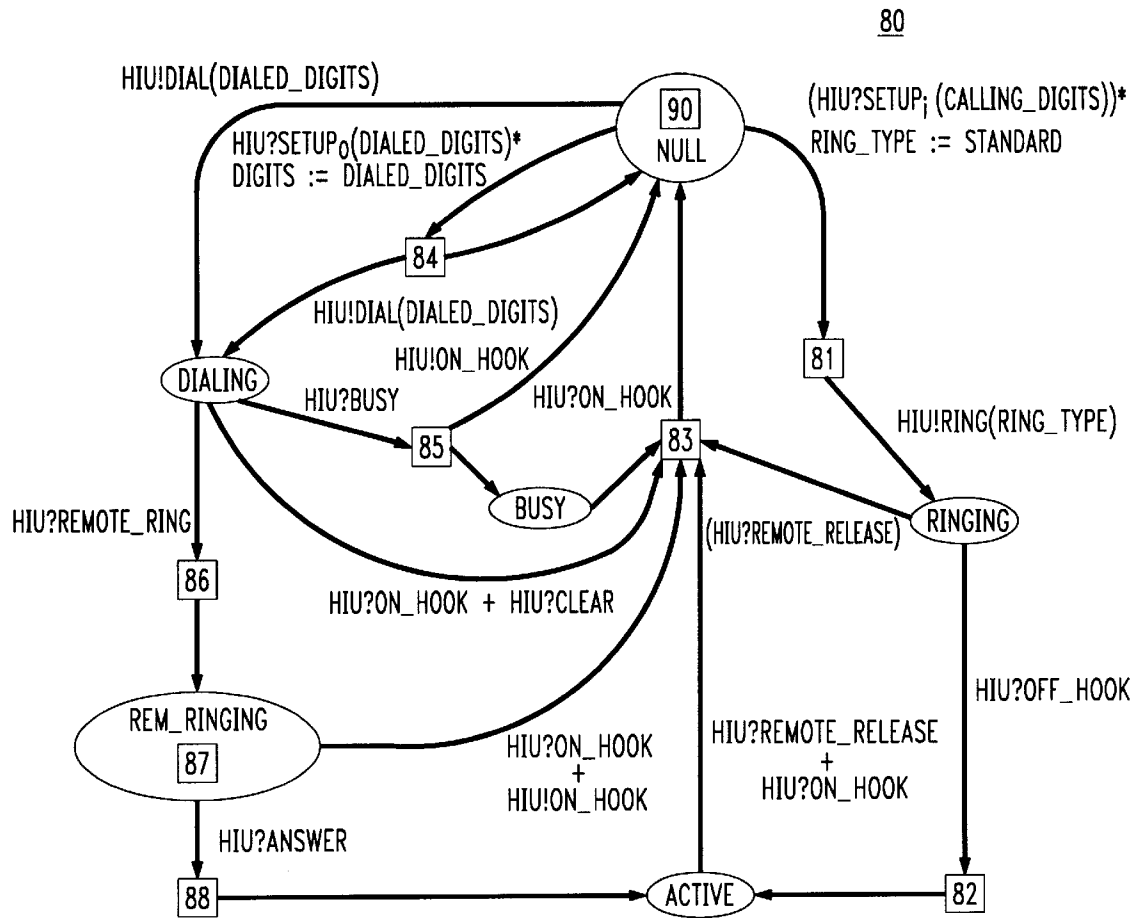


FIG. 8



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