



[54] FLEXIBLE DIRECT SIGNALING SYSTEM

OTHER PUBLICATIONS

[75] Inventors: Kuo-Wei Herman Chen, Scotch Plains, N.J.; Thomas F. La Porta, Thornwood, N.Y.

Thomas F. La Porta, Malathi Veeraraghavan, Direct Signaling: A New Access Signaling Architecture, 1995 IEEE, pp. 93-98, Feb.

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

Bell Atlantic, Repeat Call, Mar. 1989.

Bell Atlantic, Customer Satisfaction Guarantee, Dec. 1992.

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

Bell Atlantic, Identia Ring, Feb. 1993.

Bell Atlantic, Return Call, Feb. 1990.

[22] Filed: Apr. 22, 1996

Primary Examiner—Harry S. Hong

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

[56] References Cited

U.S. PATENT DOCUMENTS

4,897,866	1/1990	Majmudar et al.	379/201
5,473,679	12/1995	La Porta et al.	379/201
5,563,938	10/1996	Soshea et al.	379/201
5,563,939	10/1996	La Porta et al.	379/201
5,659,605	8/1997	Voit et al.	379/220

27 Claims, 9 Drawing Sheets

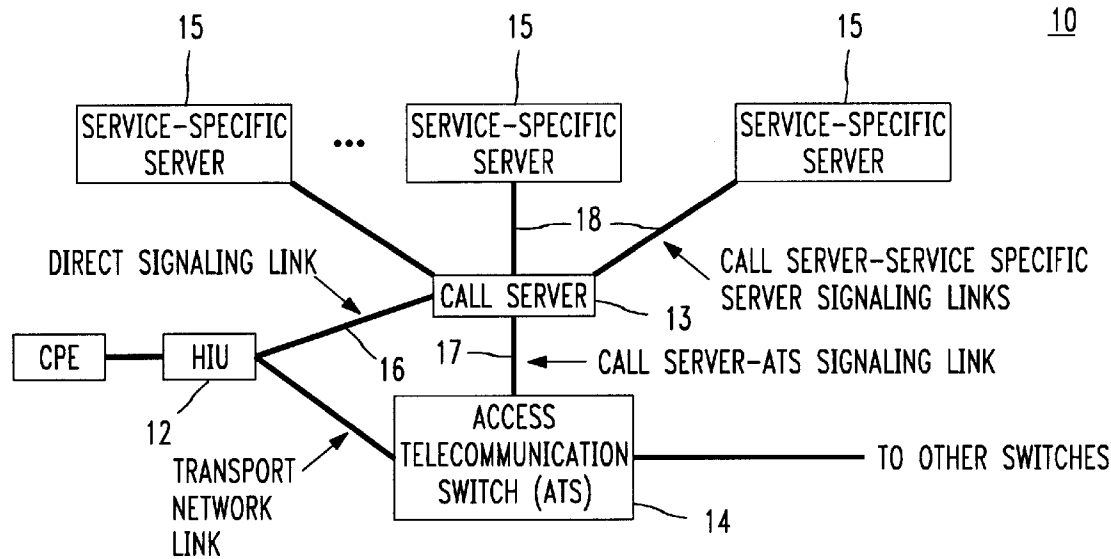


FIG. 1
PRIOR ART

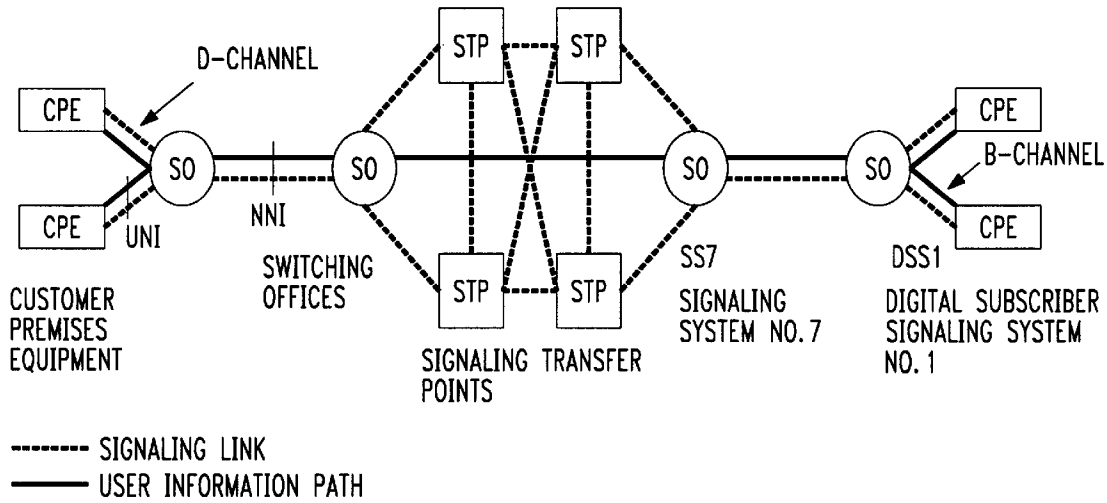


FIG. 2
PRIOR ART

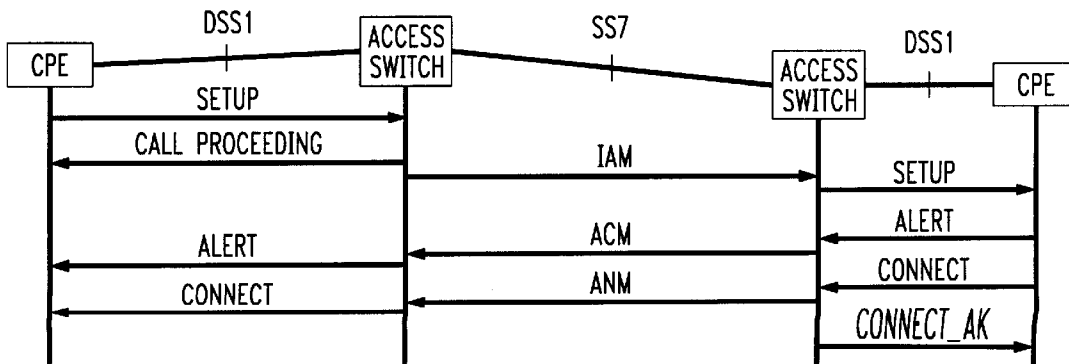


FIG. 3

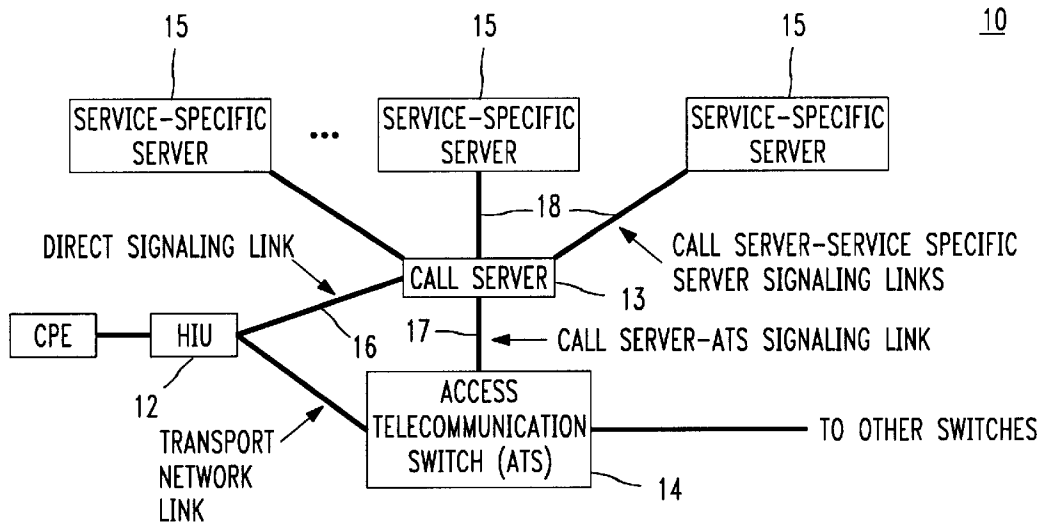


FIG. 4

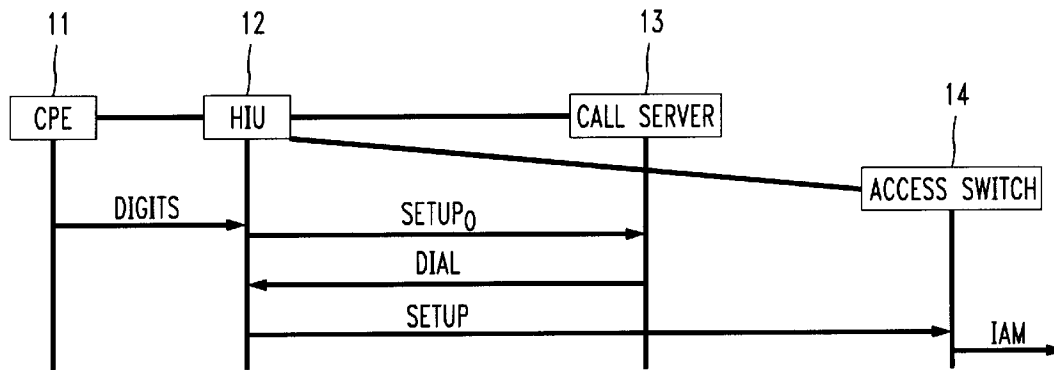


FIG. 5

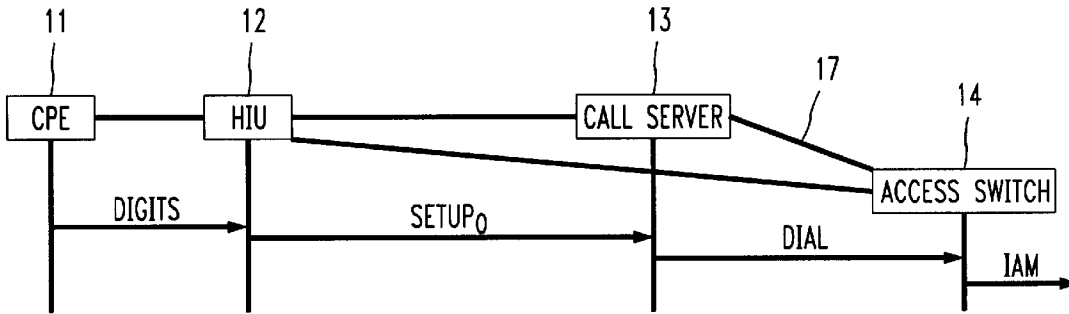


FIG. 6

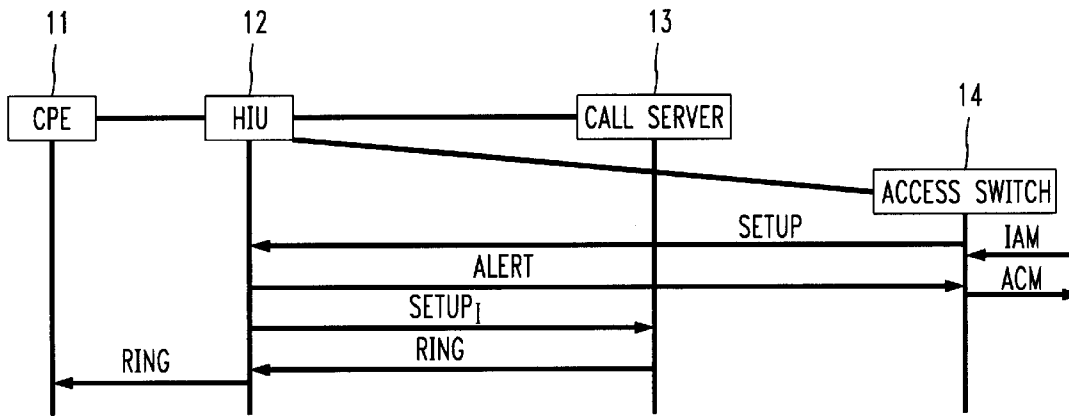


FIG. 7

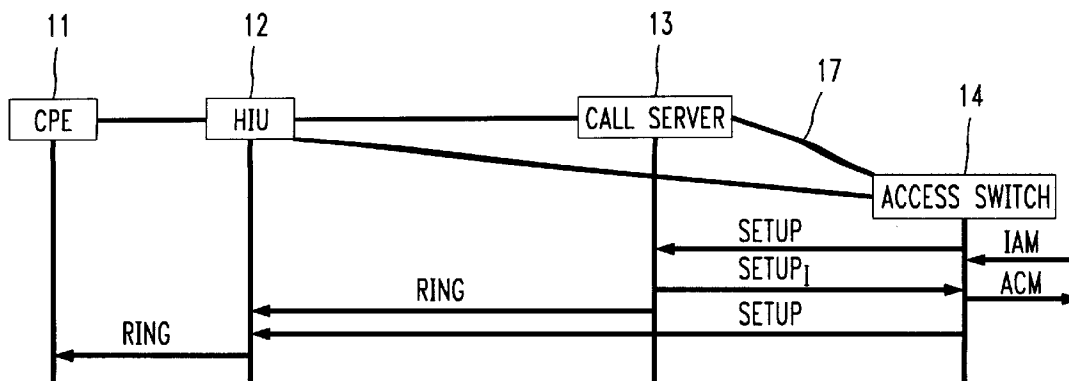
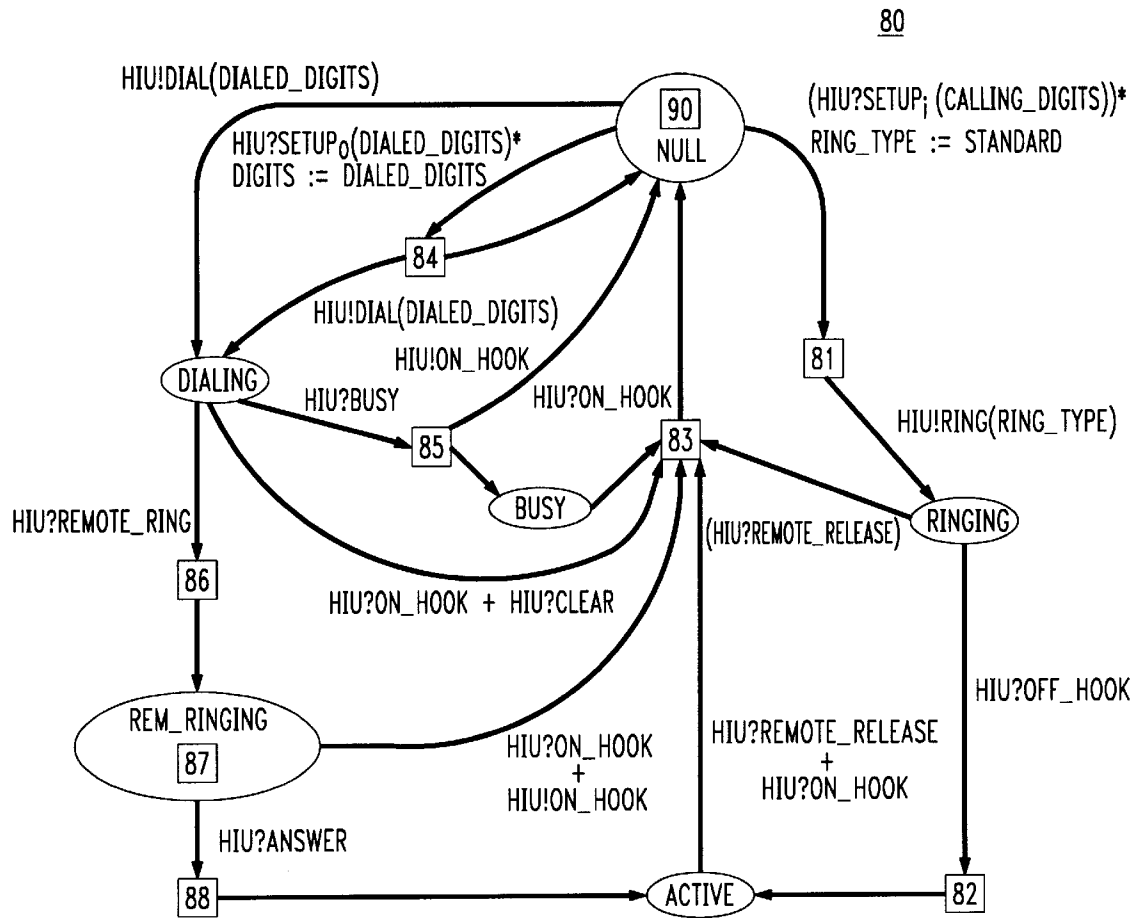


FIG. 8



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.