

United States Patent [19]

[11] **Patent Number:** **5,563,939**

La Porta et al.

[45] **Date of Patent:** **Oct. 8, 1996**

[54] **METHOD AND SYSTEM FOR DELIVERING A COMMUNICATION SERVICE**

[75] Inventors: **Thomas F. La Porta**, Thornwood, N.Y.; **Malathi Veeraraghavan**, Atlantic Highlands, N.J.

[73] Assignee: **AT&T**, Holmdel, N.J.

[21] Appl. No.: **164,521**

[22] Filed: **Dec. 9, 1993**

[51] Int. Cl.⁶ **H04M 3/42**

[52] U.S. Cl. **379/220; 379/219; 379/229; 379/112; 379/201; 379/130; 379/114; 379/59**

[58] **Field of Search** 379/67, 207, 221, 379/246, 93, 92, 90, 105, 97, 219, 220, 229, 112, 113, 201, 114, 115, 211, 130, 131, 111, 56, 57, 58, 59, 60; 370/84, 110.1; 358/86

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,555,594	11/1985	Friedes et al.	379/207
4,565,903	1/1986	Riley	379/220
4,577,066	3/1986	Bimonte et al.	379/221
4,585,904	4/1986	Mincone et al.	379/131
4,611,094	9/1986	Asmuth et al.	379/201
4,685,127	8/1987	Miller et al.	379/221
4,763,191	8/1988	Gordon et al.	379/246

4,852,154	7/1989	Lewis et al.	379/246
4,866,763	9/1989	Cooper et al.	379/221
4,897,867	1/1990	Foster et al.	379/246
4,924,500	5/1990	Lewis et al.	379/221
5,014,125	5/1991	Pocock et al.	358/86
5,236,199	8/1993	Thompson, Jr.	379/90
5,237,604	8/1993	Ryan	379/211
5,282,244	1/1994	Fuller et al.	379/221
5,353,331	10/1994	Emery et al.	379/67
5,400,395	3/1995	Berenato	379/114
5,414,773	5/1995	Handelman	379/93
5,418,844	5/1995	Morrisey et al.	379/207
5,448,632	9/1995	Iyob et al.	379/112
5,452,350	9/1995	Reynolds et al.	379/115
5,473,630	12/1995	Penzias et al.	379/130
5,473,679	12/1995	La Porta et al.	379/221
5,515,425	5/1996	Penzias et al.	379/114

Primary Examiner—Krista M. Zele
Assistant Examiner—Scott Wolinsky
Attorney, Agent, or Firm—Henry T. Brendzel

[57] **ABSTRACT**

A signaling provider network which receives and transmits at least a subset of all signaling information associated with a particular call or communication service, allows the received/transmitted signaling information to be processed independently of the originating or terminating communication carrier network which originates and/or completes the call, or provides the communication service.

13 Claims, 5 Drawing Sheets

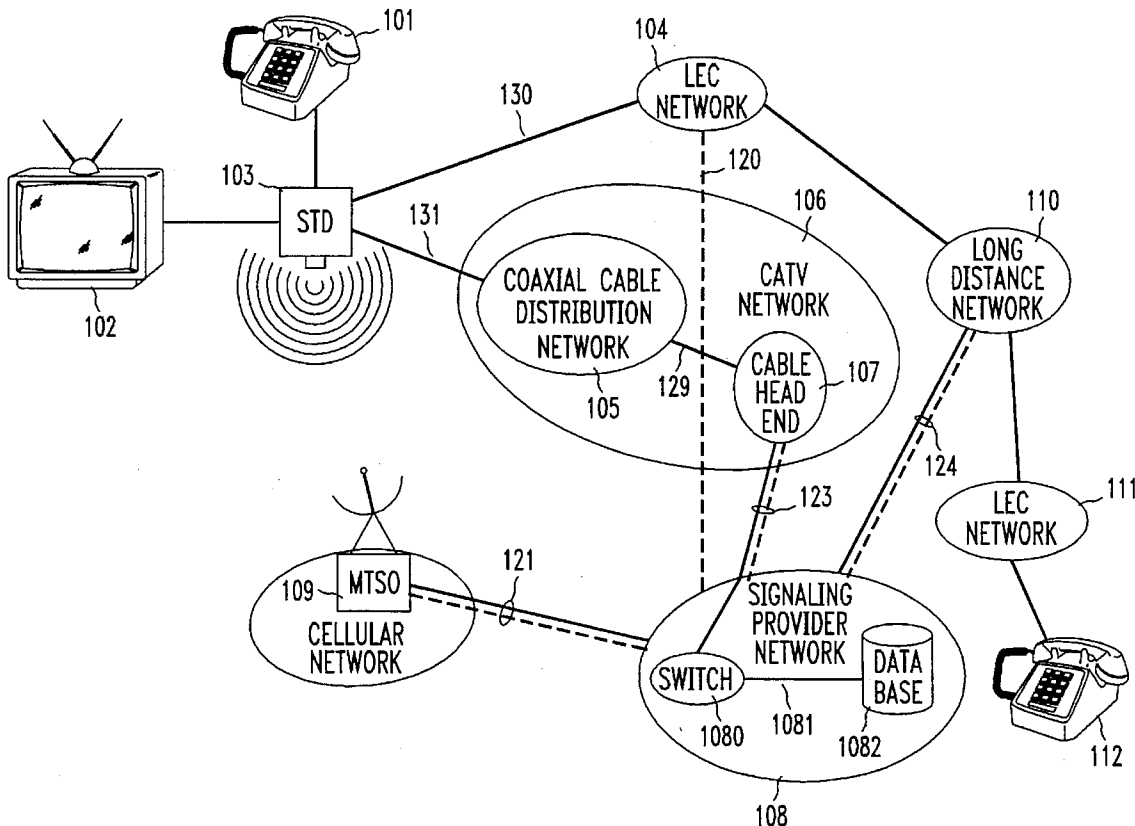


FIG. 1

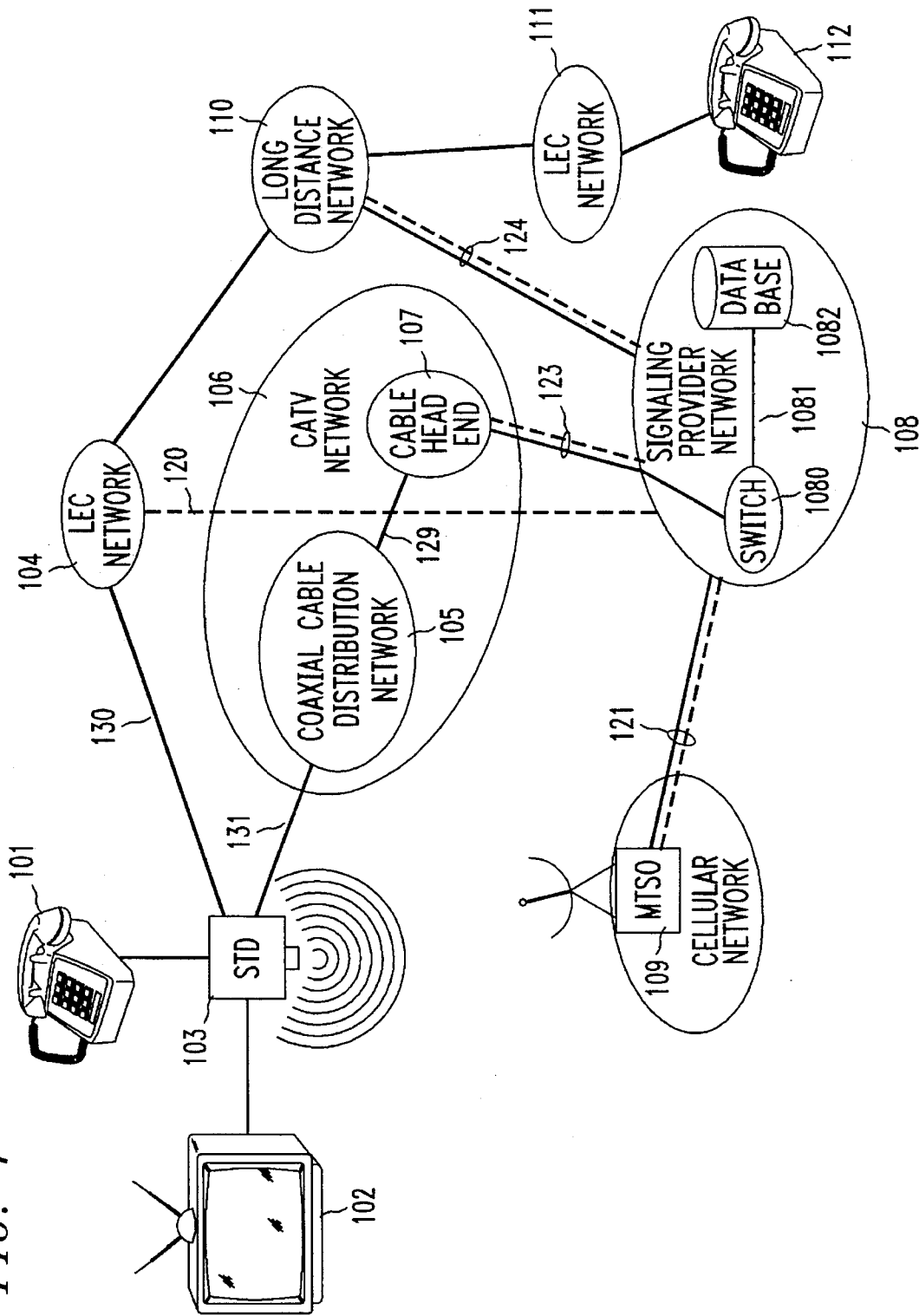


FIG. 2

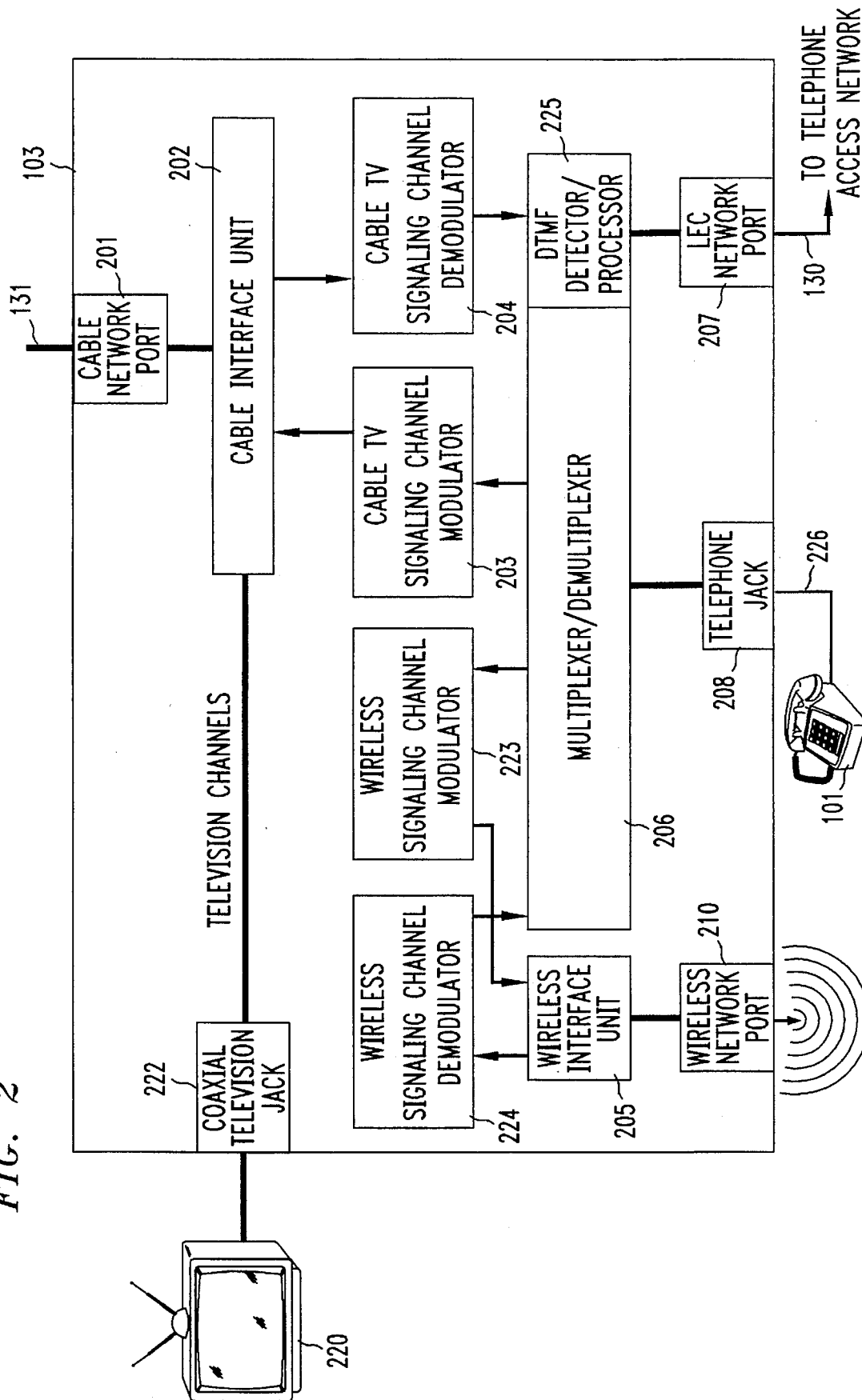
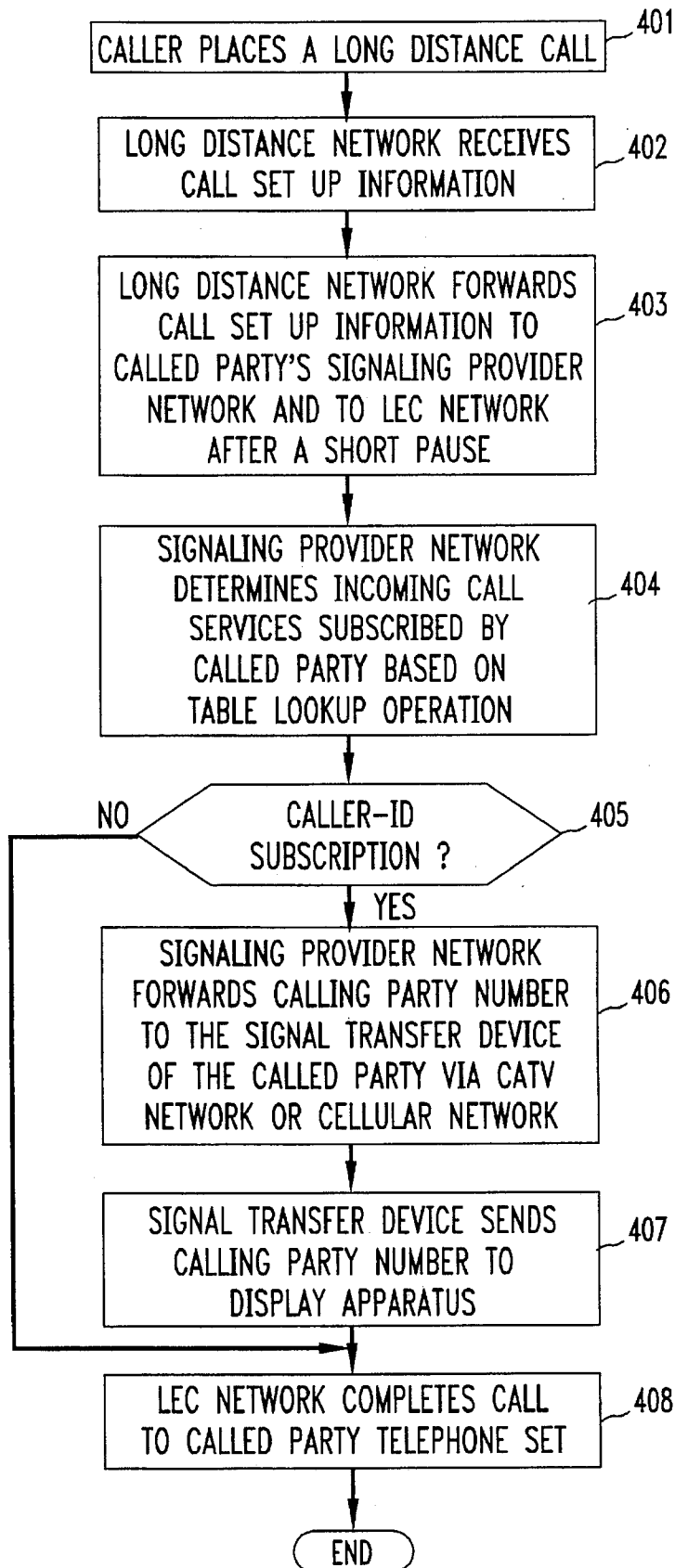


FIG. 3

SUBSCRIBER'S ADDRESS		INCOMING SERVICES			OUTGOING SERVICES	
		CALLING NUMBER DELIVERY	CALL FORWARDING ALL CALLS	VOICE MESSAGING	INTERCHANGE CARRIER SELECTION	OUTGOING CALL BLOCKING
SUBSCRIBER 1	201 576-1234	YES	NO	NO	YES	YES
SUBSCRIBER 2 ::	201 580-9876 ::	NO ::	YES ::	YES ::	NO ::	NO ::

FIG. 4



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.