



- [54] INTERNET-WEB LINK FOR ACCESS TO INTELLIGENT NETWORK SERVICE CONTROL
- [75] Inventors: **Te-An Chang**, Laytonsville; **Joseph R. Rostock**, Davidsonville, both of Md.
- [73] Assignee: **Bell Atlantic Network Services, Inc.**, Arlington, Va.
- [21] Appl. No.: **08/904,117**
- [22] Filed: **Jul. 13, 1997**
- [51] Int. Cl.<sup>6</sup> ..... **H04M 1/24**
- [52] U.S. Cl. .... **709/229; 709/202; 709/203; 709/219; 709/224; 709/225**
- [58] Field of Search ..... 395/200.59, 200.55, 395/200.54, 200.49, 200.33, 200.32; 709/229, 225, 224, 219, 203, 202

5,526,489	6/1996	Nilakantan et al. .
5,539,886	7/1996	Aldred et al. .
5,566,235	10/1996	Hetz .
5,572,581	11/1996	Sattar et al. .
5,572,583	11/1996	Wheeler, Jr. et al. .
5,586,177	12/1996	Farris et al. .
5,623,601	4/1997	Vu ..... 395/187.01
5,721,908	2/1998	Lagarde et al. .... 395/610
5,802,146	9/1998	Dulman ..... 379/34
5,826,029	10/1998	Gore et al. .... 395/200.57

Primary Examiner—Zarni Maung  
 Assistant Examiner—Saleh Najjar  
 Attorney, Agent, or Firm—McDermott, Will & Emery

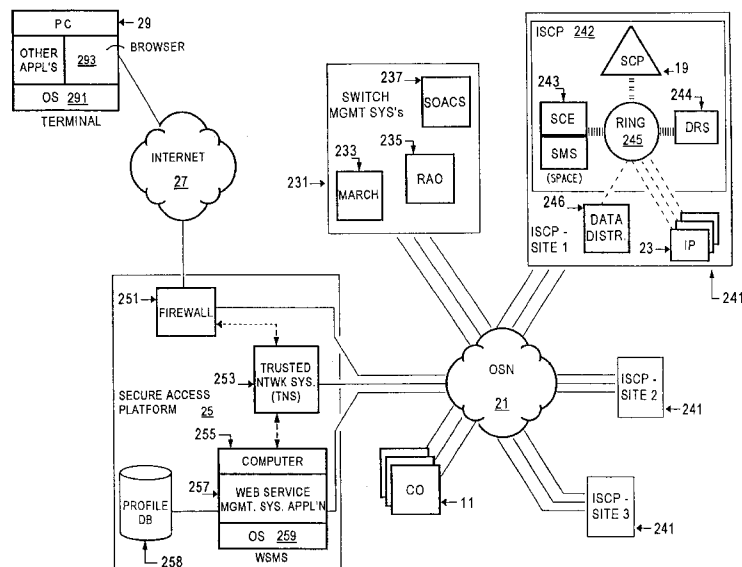
[57] ABSTRACT

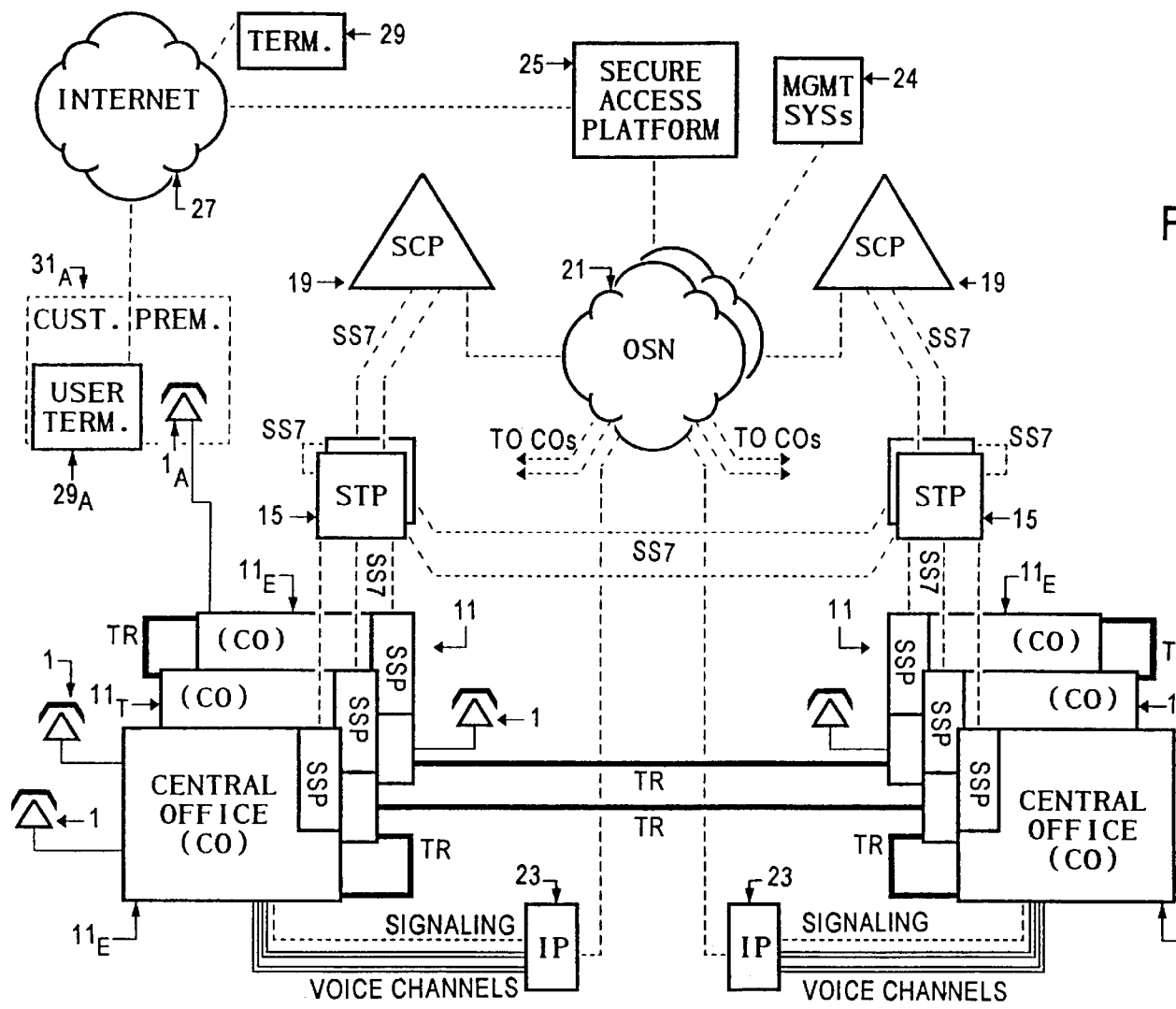
A web page type interface is provided, which enables subscriber access to control and reporting functionalities of a communication network, such as the advanced intelligent telephone network, via a public packet data network, typically the network now commonly known as the Internet. The web page based Internet access opens the personal control of services provided by the communication network to any subscriber who also uses the Internet, for example using the subscriber's existing PC and browser software or their Web-TV terminal. A secure access platform provides the interface and communicates via a private data network with various systems used to manage the communication network. The secure access platform includes a firewall coupled between the public data network and the private data network. The firewall implements the web page interface and validates certain users of the public data network as subscribers to services of the communication network. The secure access platform also includes a web services management system, which communicates with the firewall and with the communication network management systems via the private data network. The platform enables persons surfing the web to control their services and receive various reports relating to status and/or usage of their network services.

[56] **References Cited**  
 U.S. PATENT DOCUMENTS

4,768,150	8/1988	Chang et al. .
4,855,905	8/1989	Estrada et al. .
5,241,588	8/1993	Babson, III et al. .... 379/201
5,247,571	9/1993	Kay et al. .
5,287,103	2/1994	Kasprzyk et al. .
5,309,437	5/1994	Perlman et al. .
5,327,486	7/1994	Wolff et al. .
5,377,186	12/1994	Wegner et al. .
5,392,357	2/1995	Bulfer et al. .
5,406,557	4/1995	Baudoin .
5,423,003	6/1995	Berteau .
5,436,957	7/1995	McConnell .
5,469,500	11/1995	Satter et al. .
5,471,459	11/1995	Gut .
5,495,521	2/1996	Rangachar .
5,499,290	3/1996	Koster .
5,517,562	5/1996	McConnell .
5,519,772	5/1996	Akman et al. .
5,526,413	6/1996	Cheston, III et al. .

27 Claims, 5 Drawing Sheets





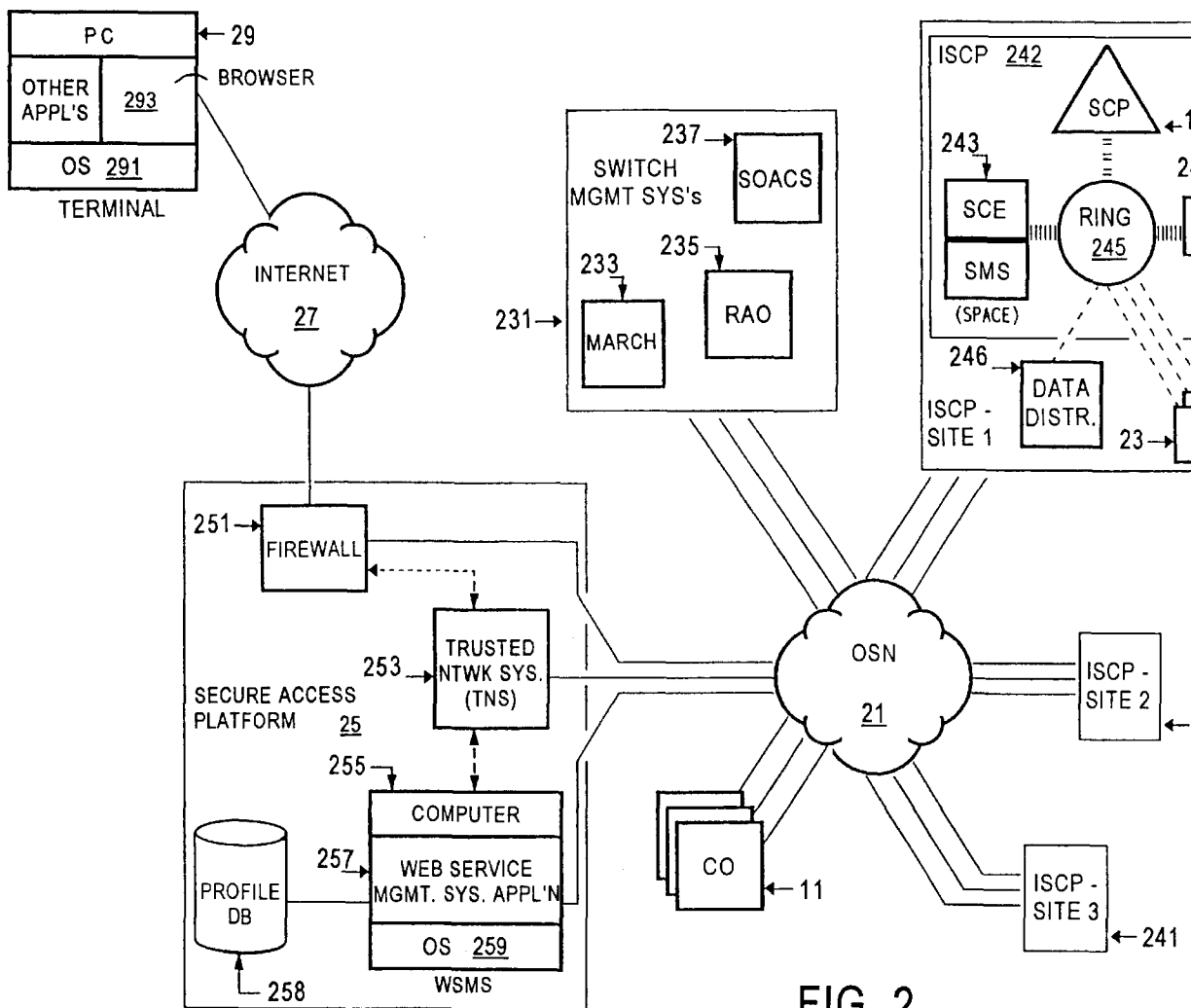


FIG. 2

CISCO SYSTEMS

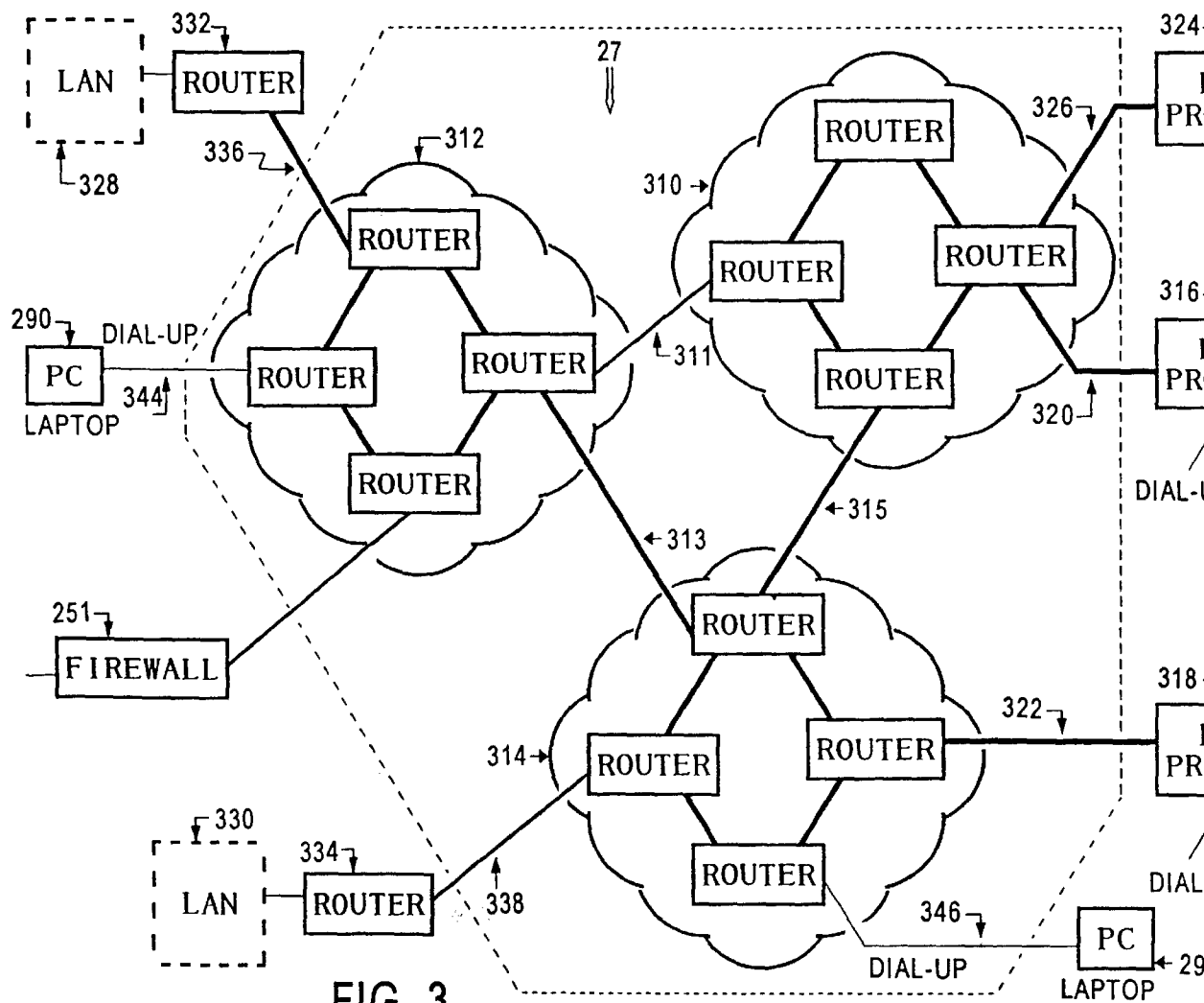
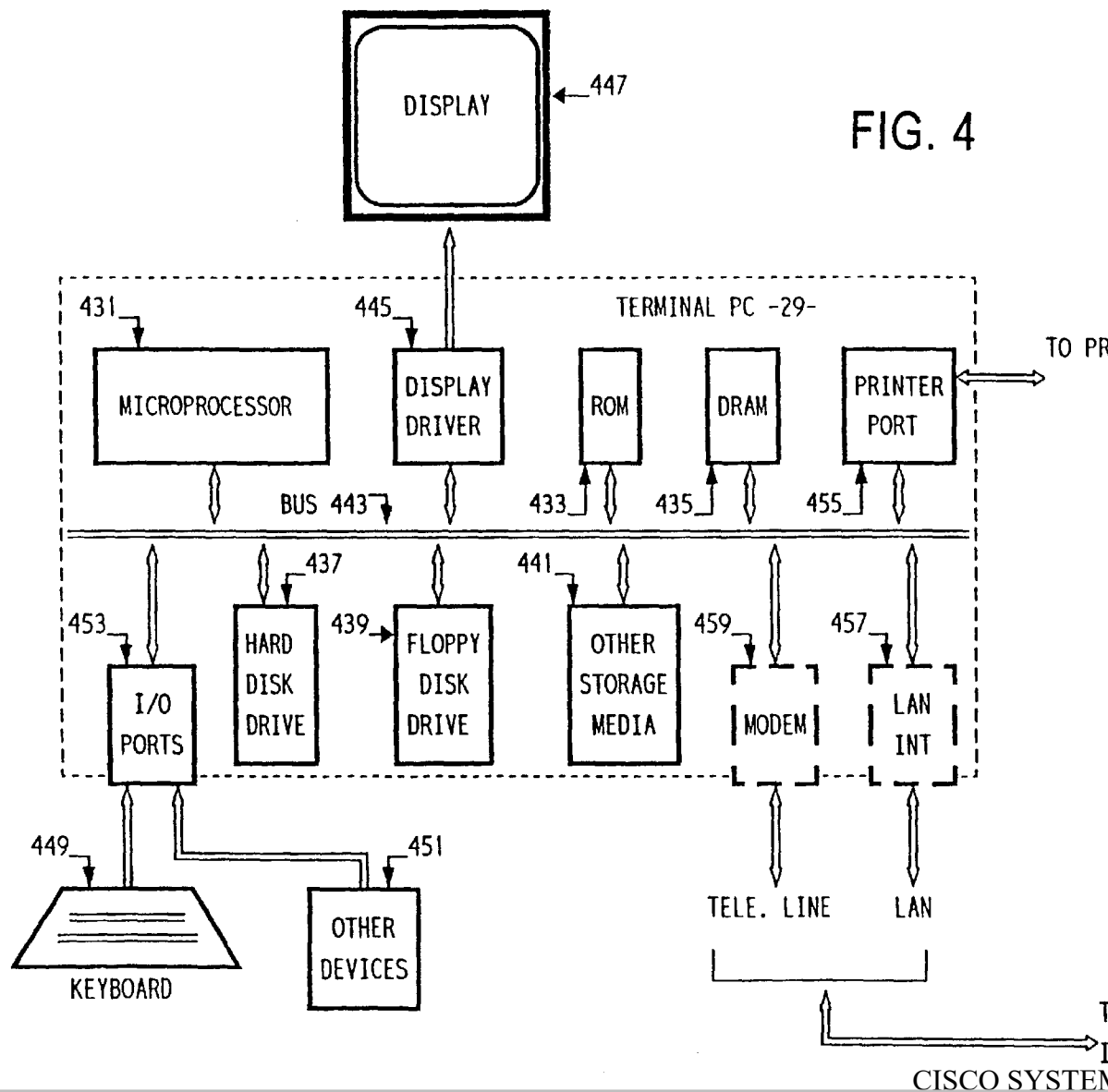


FIG. 3

CISCO SYSTEM

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.