

US005748896A

## United States Patent [19]

Daly et al.

[11] Patent Number:

5,748,896

[45] Date of Patent:

May 5, 1998

### [54] REMOTE NETWORK ADMINISTRATION METHODS AND APPARATUS

[75] Inventors: Una T. Daly, Saratoga; Ying-Kuei Ann Huang, Cupertino; Robert D. Parker,

San Jose; Mary E. Firenze, Los Altos,

all of Calif.

[73] Assignee: Apple Computer, Inc., Cupertino,

Calif.

[21] Appl. No.: 605,325

[56]

[22] Filed: Dec. 27, 1995

395/200.09, 200.11, 200.12, 683, 284

### References Cited

#### U.S. PATENT DOCUMENTS

4,949,248	8/1990	Caro 36	4/200
5,276,789	1/1994	Besaw et al 39	5/140
5,287,343	2/1994	Nakamura et al 370	)/13.1
5,287,461	2/1994	Moore 39	5/275
5,341,477	8/1994	Pitkin et al 395/2	00.01
5,426,421		Gray 395/1	
5,491,791	2/1996	Glowny et al 395/1	83.13
5,515,508		Pettus et al 395/2	

5,586,255	12/1996	Tanaka et al 395/800
5,600,797	2/1997	Marshall 395/200.11
5,619,656	4/1997	Graf 395/200.11

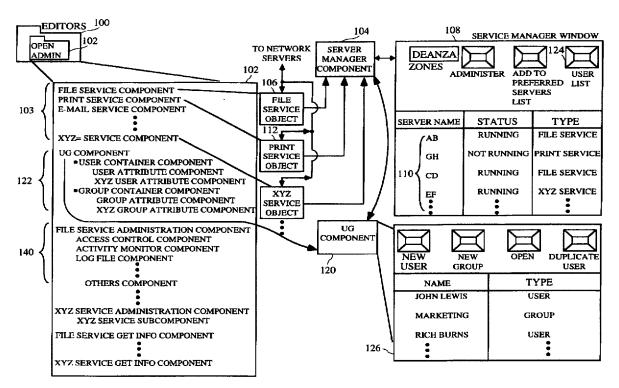
Primary Examiner—William M. Treat
Assistant Examiner—Saleh Najjar

Attorney, Agent, or Firm-Hickman Beyer & Weaver

#### [57] ABSTRACT

A method for managing network services on the plurality of network servers in a computer network. The method includes the step of providing at least one service component in a component repository. The service component corresponds to one of the network services. There is also included the step of providing a server manager component, which communicates with the component repository to ascertain the presence of the service component. Additionally, the method includes the step of executing a service object associated with the service component. When executed, the service object communicates with the plurality of network servers to obtain network service instantiation data relating to instantiations of the one of the network services on the plurality of network servers. The method also includes the step of passing the network service instantiation data to a server manager window component for displaying a status of the instantiations responsive to the network service instantiation data.

## 20 Claims, 17 Drawing Sheets





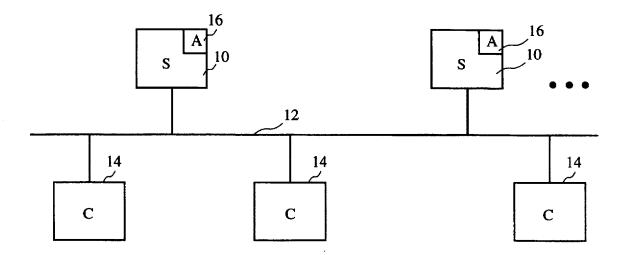


FIG. 1

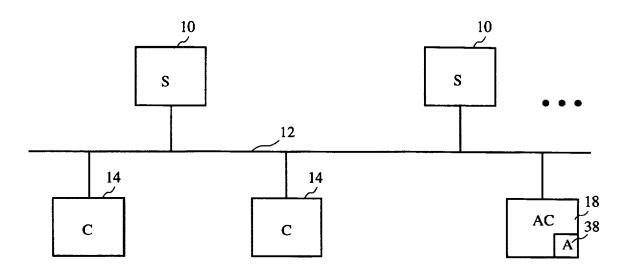
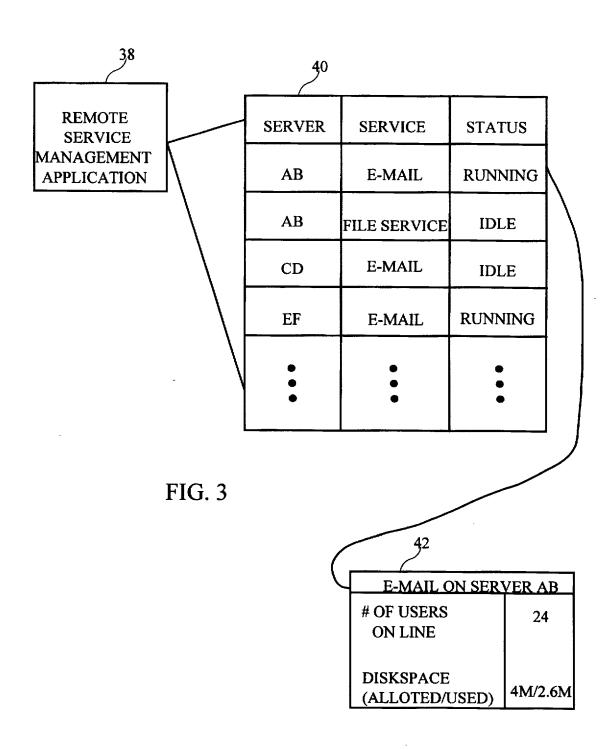
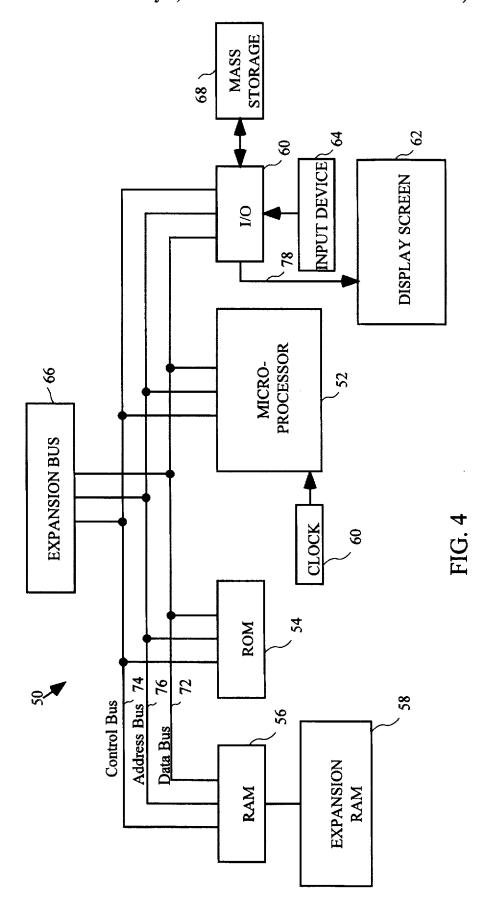


FIG. 2



U.S. Patent







# DOCKET A L A R M

# 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.

