



US005684952A

United States Patent [19]
Stein

[11] **Patent Number:** **5,684,952**
 [45] **Date of Patent:** **Nov. 4, 1997**

[54] **SUPERVISORY CONTROL SYSTEM FOR NETWORKED MULTIMEDIA WORKSTATIONS THAT PROVIDES RECONFIGURATION OF WORKSTATIONS BY REMOTELY UPDATING THE OPERATING SYSTEM**

FOREIGN PATENT DOCUMENTS

0399667A2	11/1990	European Pat. Off. .
0463251A1	1/1992	European Pat. Off. .
0598511A2	5/1994	European Pat. Off. .
2231180	11/1990	United Kingdom .
WO91/02313	2/1991	WIPO .

[75] **Inventor:** **Michael Victor Stein, San Jose, Calif.**

OTHER PUBLICATIONS

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

Brochure for TOEI CAI-EX/Model 500 Network System, no date.

[21] **Appl. No.:** **280,333**

Brochure for EdVINS Educational Visual Network System, no date.

[22] **Filed:** **Jul. 25, 1994**

[51] **Int. Cl.⁶** **G06F 15/177; G06F 15/00**

Primary Examiner—Thomas G. Black

Assistant Examiner—Greta L. Robinson

[52] **U.S. Cl.** **395/200.1; 395/712; 395/200.09; 434/336**

Attorney, Agent, or Firm—Burns, Doane, Swecker & Mathis, LLP

[58] **Field of Search** **364/200, 900, 364/514, 221, 221.7; 395/159, 700, 200, 200.09, 600, 200.1, 430, 200.17, 650, 200.01, 712; 380/25; 434/336**

[57] ABSTRACT

A supervisory control system for a networked multimedia computing system permits a teacher or network administrator to quickly and easily update system software on selected destination workstations with the system software currently residing on the master workstation. In one mode of operation, only basic system software is updated, while user-defined preferences are unchanged. In a second mode of operation, both the system software and all user-controlled settings are replaced, to permit the remote workstations to be configured in a desired manner.

[56] References Cited

U.S. PATENT DOCUMENTS

4,820,167	4/1989	Nobles et al.	434/336
5,155,847	10/1992	Kirouac et al.	395/200.09
5,241,625	8/1993	Epard et al.	395/502
5,327,551	7/1994	Kaneko	395/182.03
5,410,703	4/1995	Nilsson et al.	395/712
5,421,009	5/1995	Platt	395/712
5,437,555	8/1995	Ziv-El	434/336

16 Claims, 18 Drawing Sheets

Update System Folder

This command is used to copy the system software from this workstation to the selected workstation.

☒ Update System Software

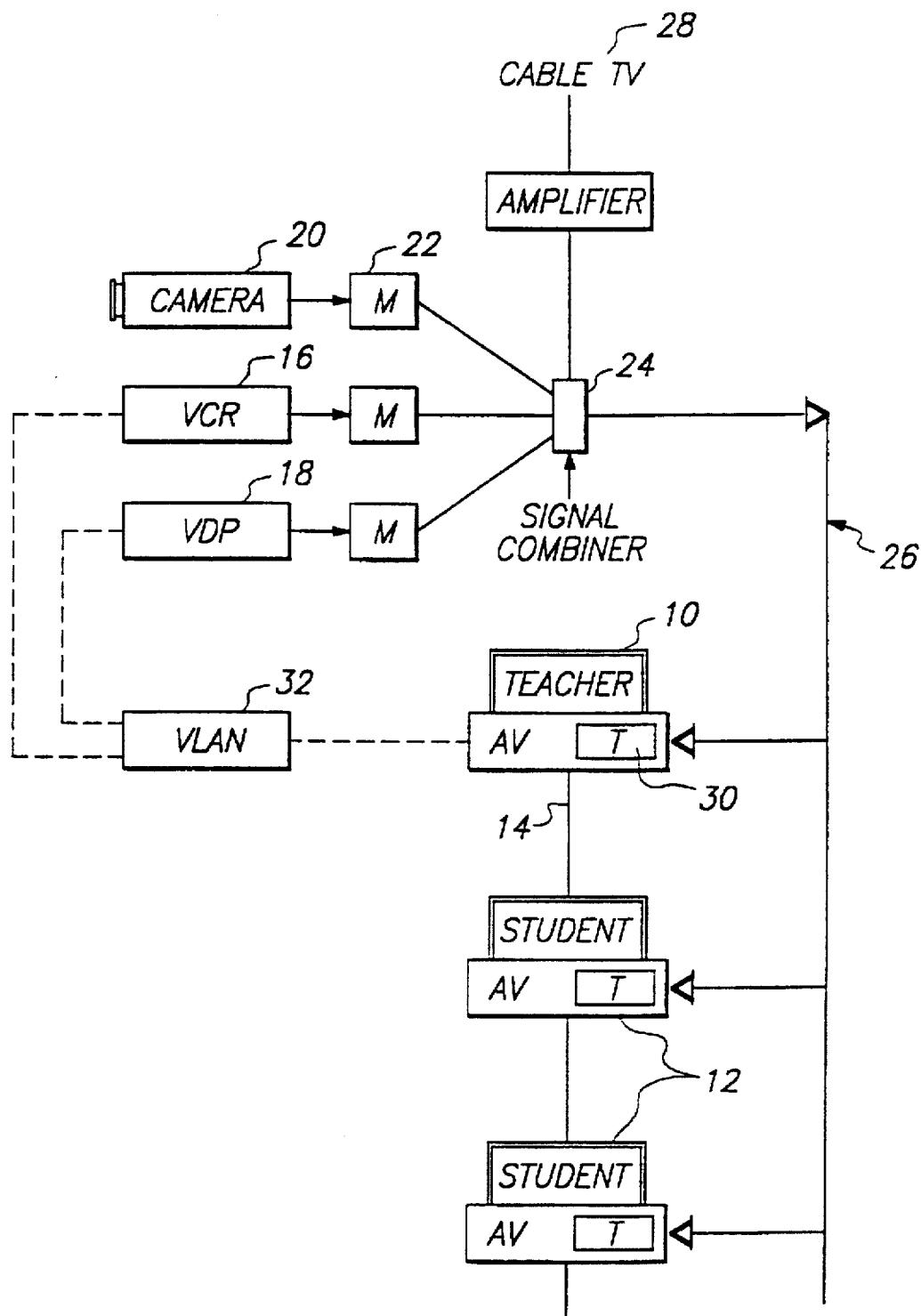
This option will replace the system software on the selected workstations.

☐ Update System Software and All Settings

This option will replace the system software and also replace the system and application preferences on the selected workstations.

Cancel

Update

**FIG. 1**

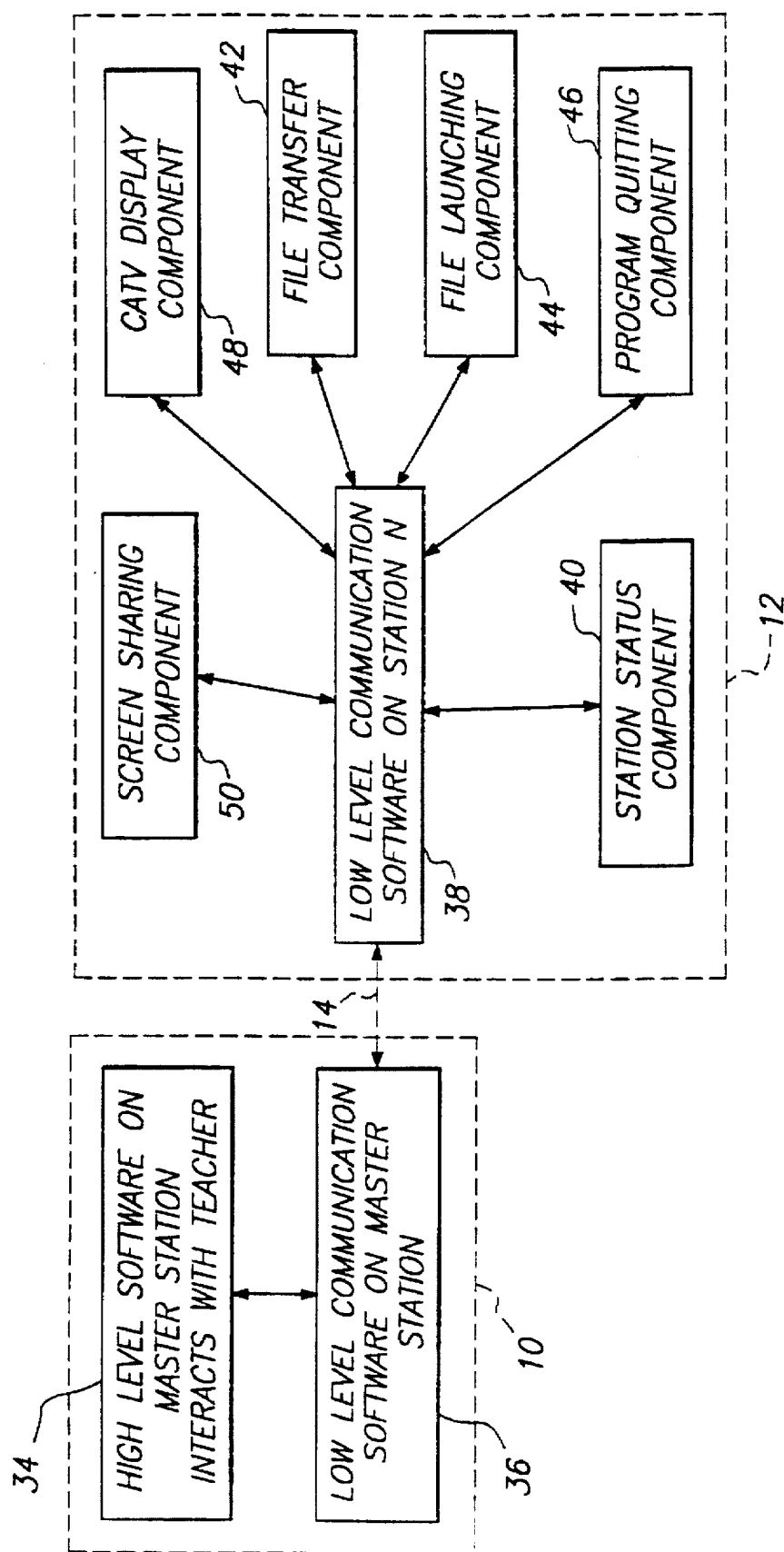


FIG. 2

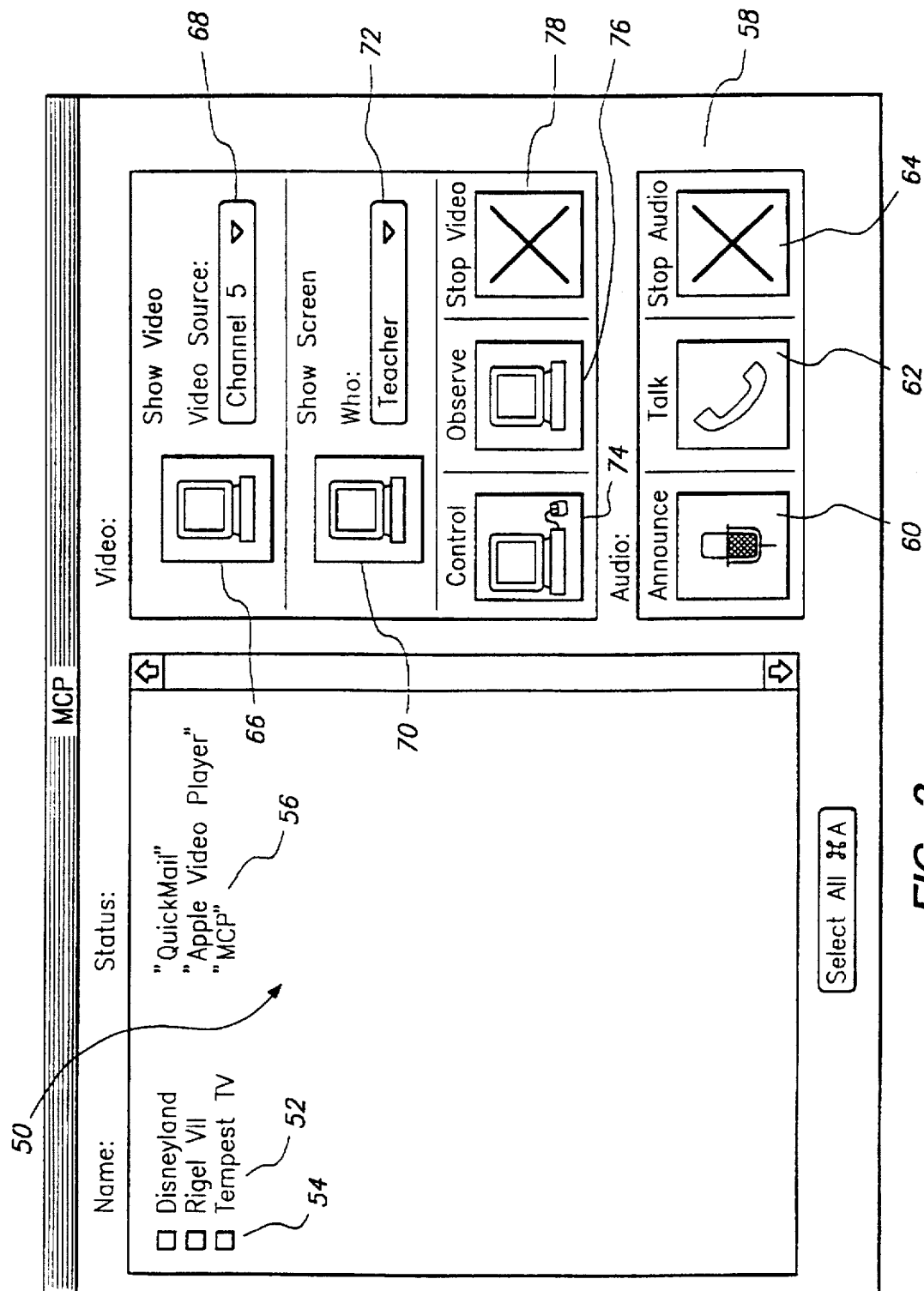


FIG. 3

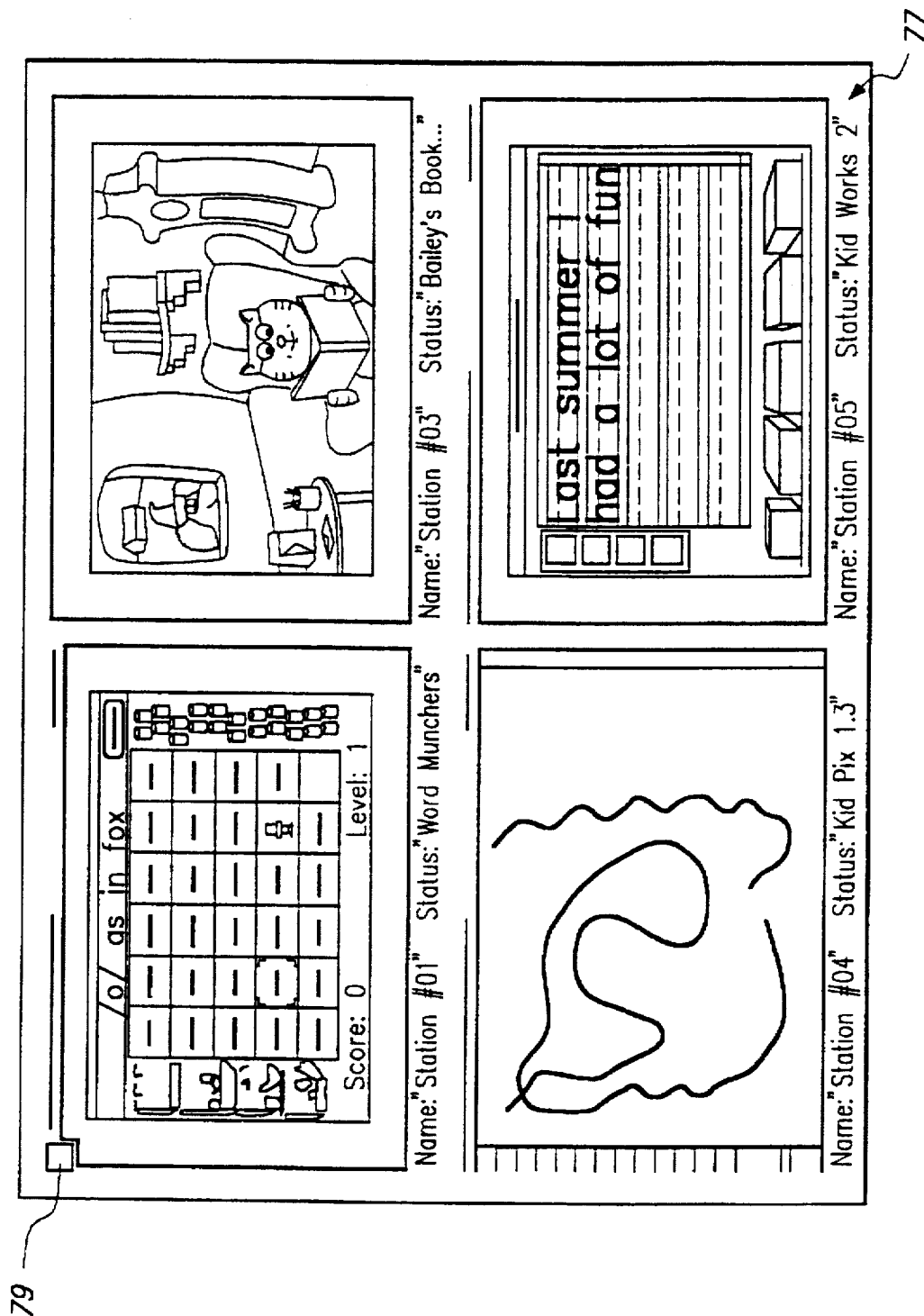


FIG. 4

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.