



[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**

Primary Examiner—Thomas G. Black
Assistant Examiner—Greta L. Robinson

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

[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

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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.

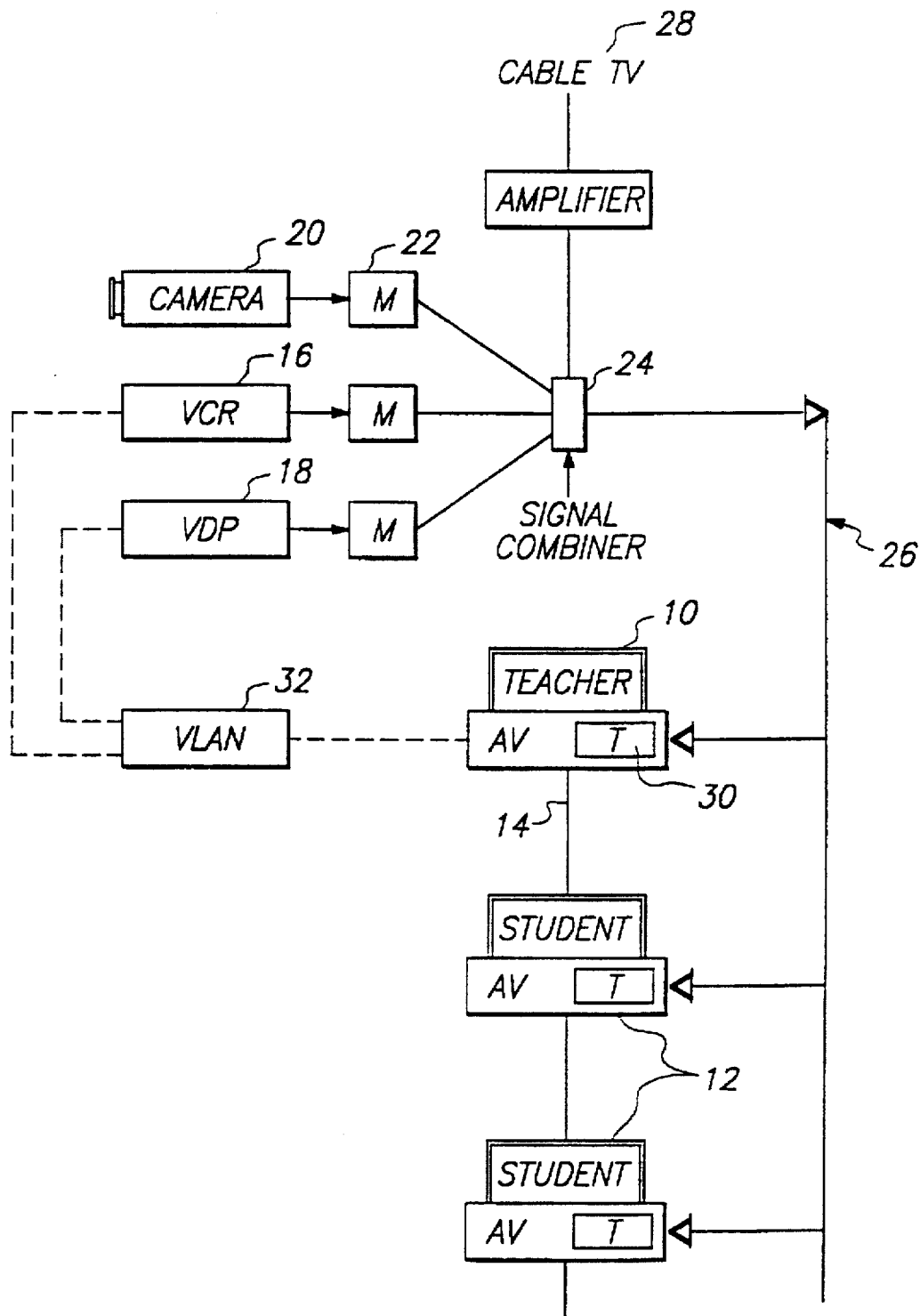


FIG. 1

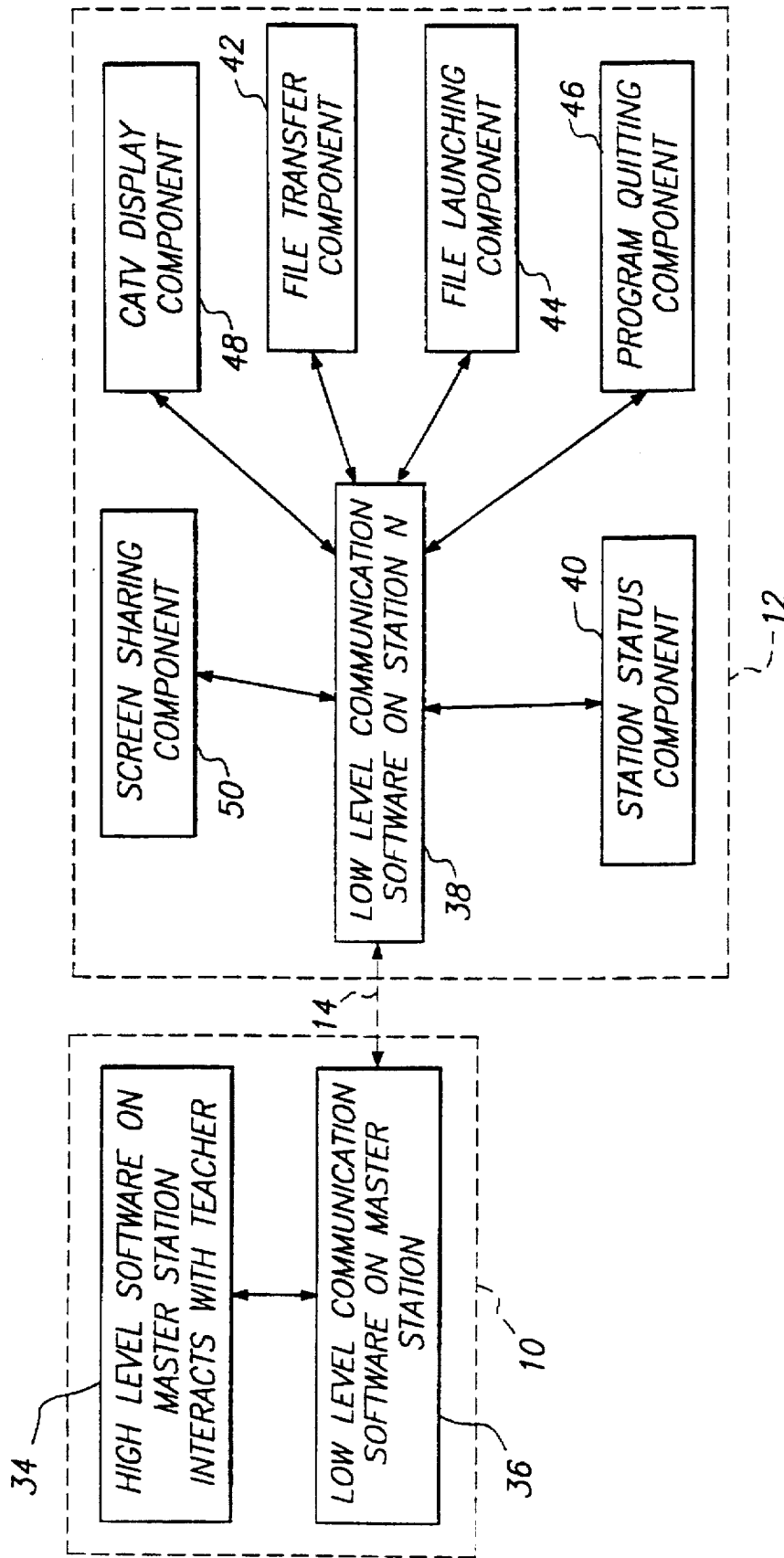


FIG. 2

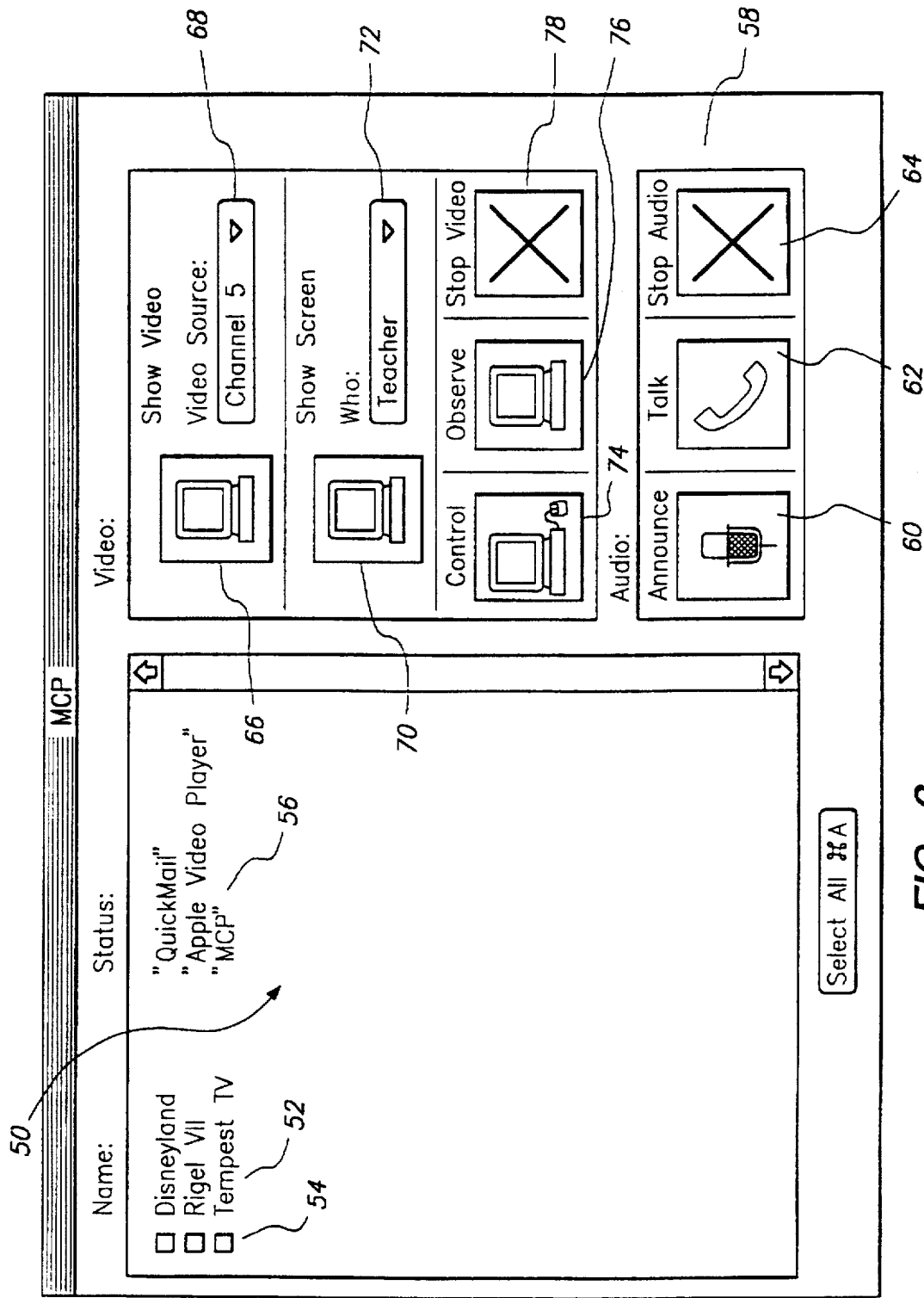


FIG. 3

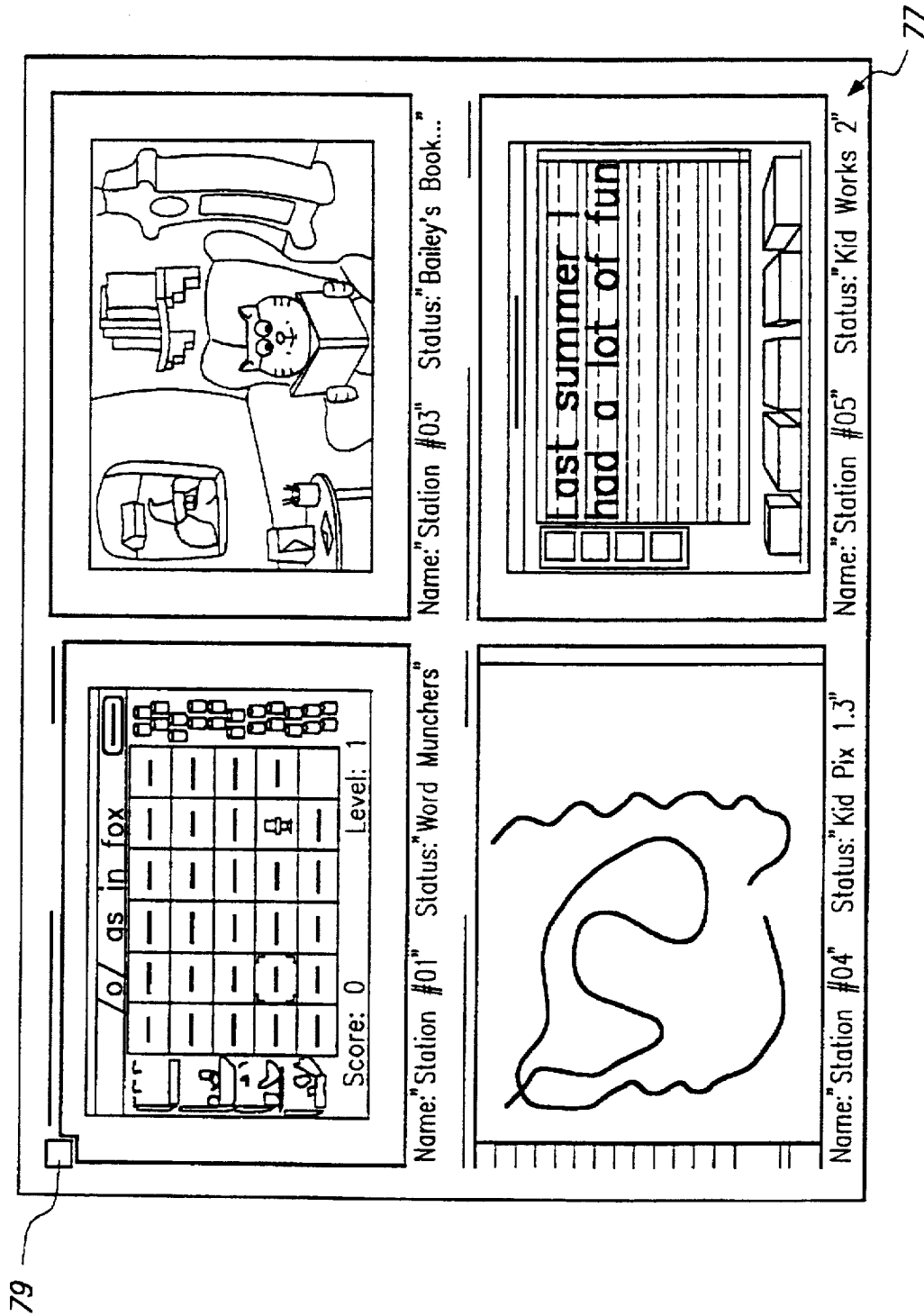


FIG. 4

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