

(12) **United States Patent**
Roseman(10) **Patent No.:** **US 6,608,636 B1**
(45) **Date of Patent:** **Aug. 19, 2003**(54) **SERVER BASED VIRTUAL CONFERENCING**(75) Inventor: **Robert D. Roseman**, Kettering, OH (US)(73) Assignee: **NCR Corporation**, Dayton, OH (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **07/883,623**(22) Filed: **May 13, 1992**(51) Int. Cl.⁷ **G06F 15/16**(52) U.S. Cl. **345/753**

(58) Field of Search 379/53

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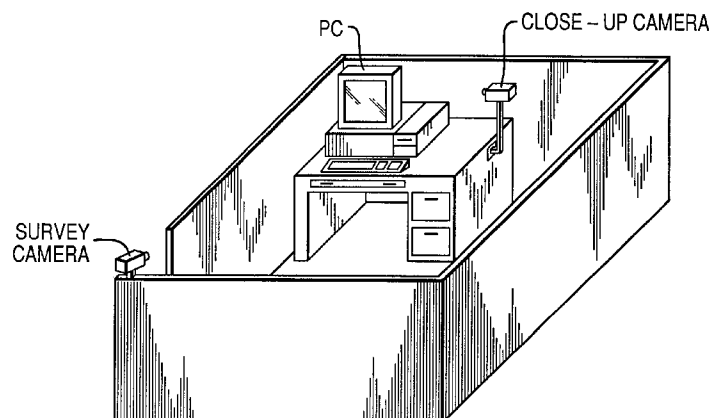
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(List continued on next page.)

Primary Examiner—Christopher B. Shin(74) *Attorney, Agent, or Firm*—Gregory A. Welte(57) **ABSTRACT**

The invention concerns remote conferencing systems of the multi-media type. An example of a "single-medium" conference system can be found in presently available telephone conferencing systems. The single medium is sound, or voice. In the conference, multiple parties, at different locations, are linked together by the telephone system and can speak to each other.

With "multi-media" conferencing, multiple parties are linked by both video and audio media: the parties can see, as well as hear, each other. Further, the invention shows the parties a common display, which functions as a "conference table." Still further, any party can modify the display, by "writing" on it, or by pointing to different parts of it; the other parties can see the modifications. Further still, the invention allows parties to "whisper" to each other, without the knowledge of other parties, as in an actual conference.

8 Claims, 22 Drawing Sheets

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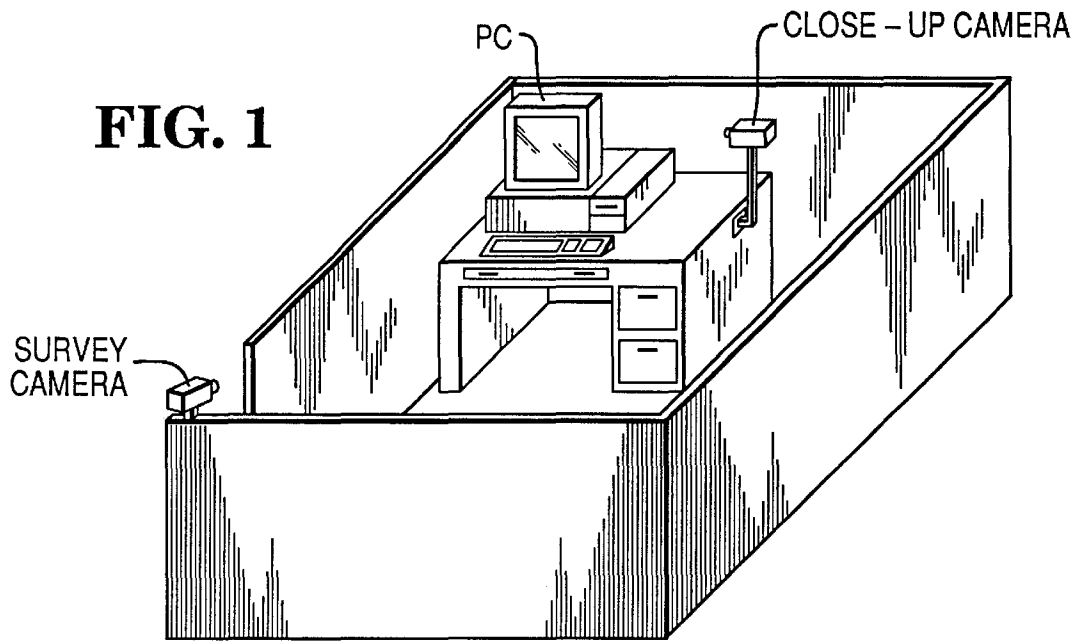


FIG. 8

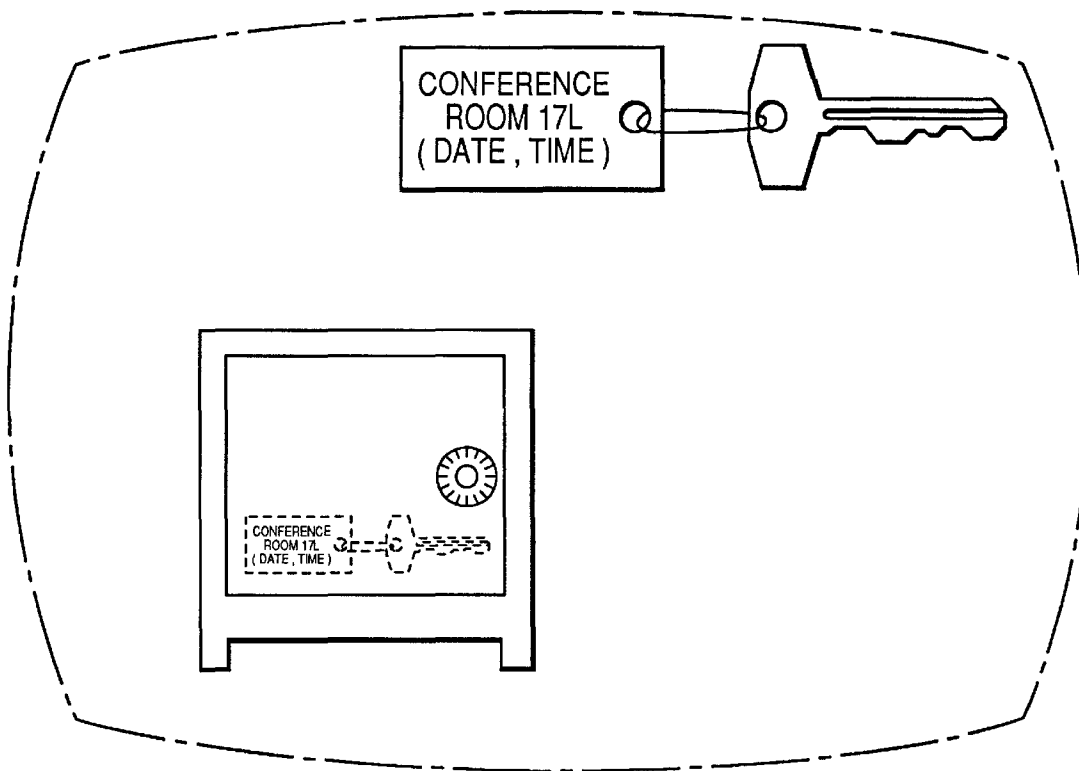
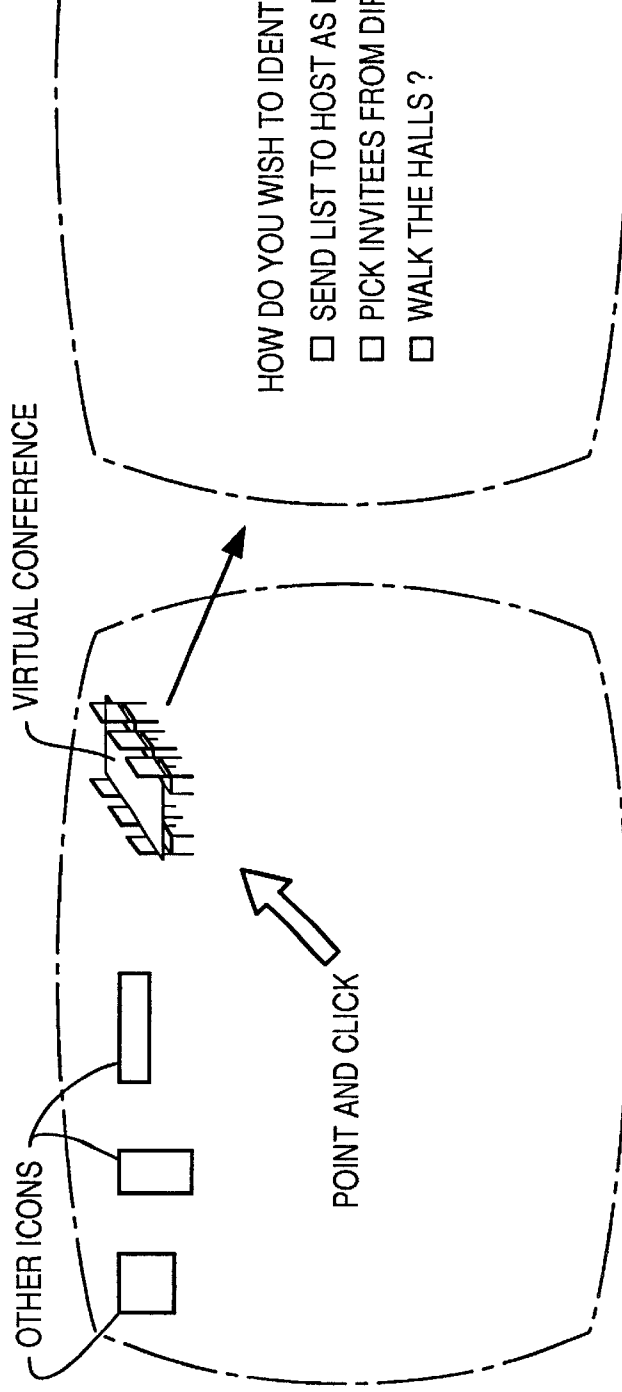
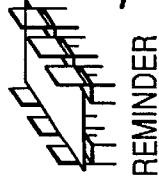


FIG. 2



WHO IS DELEGATE ?

SHALL HOST SEND INVITATION ?



REMINDER

THERE IS A MEETING AT 10 A.M. IN
THE OAKWOOD CONFERENCE ROOM
THE INVITEES ARE :

STAN NETTLES
BILL PHILLIPS
NORM FLETCHER
BEN STANAFORD
FRANK CASTILLE

SUBJECT :

CONSULTANT'S REPORT ON WIDER SW
SPOT IN GOLF CLUBS

REMARKS FROM GUS :
BRING YOUR PROTOTYPES OF THE
NEW 7 - IRON

- DO YOU WANT TO SEE MARQUIS ?
- DO YOU WANT TO SEND DELEGATE
- DO YOU WANT TO DELIVER MESSAGE TO CONFERENCE ?

- MESSAGE IS VOICE ?
- MESSAGE IS VIDEO ?
- MESSAGE IS TEXT ?

WHERE IS MESSAGE FILE ?

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