



United States Patent [19]
McNelly et al.

[11] **Patent Number:** **5,550,754**
[45] **Date of Patent:** **Aug. 27, 1996**

- [54] **TELECONFERENCING CAMCORDER**
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- [73] Assignee: **Videoptic Research**, San Juan Capistrano, Calif.
- [21] Appl. No.: **242,131**
- [22] Filed: **May 13, 1994**
- [51] Int. Cl.⁶ **H05K 11/00**
- [52] U.S. Cl. **364/514 A; 348/13**
- [58] Field of Search **364/514 A; 348/14, 348/15, 13, 19**

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Primary Examiner—Emanuel T. Voeltz
Assistant Examiner—Thomas Peeso
Attorney, Agent, or Firm—Price, Gess & Ubell

[57] **ABSTRACT**

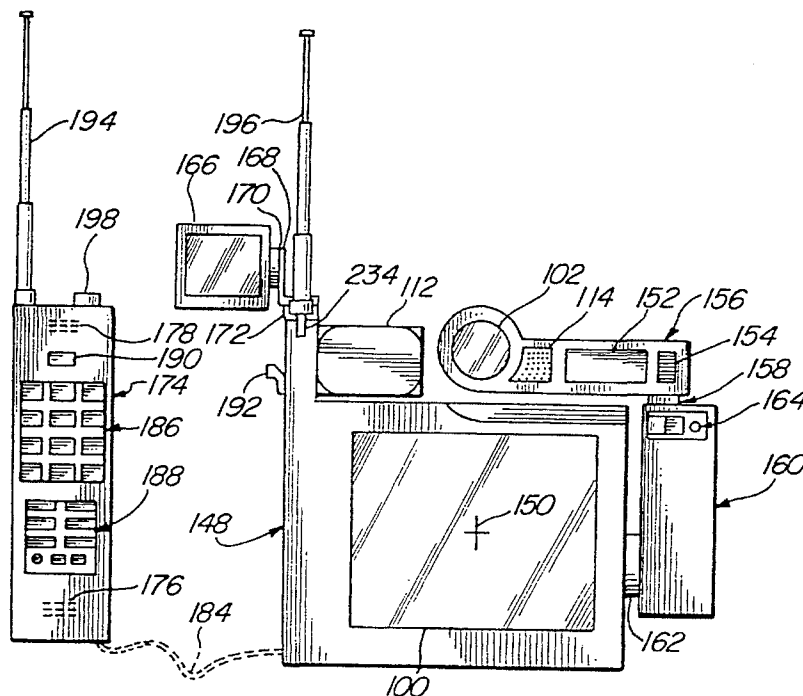
A combination portable recording video camera and video-conferencing terminal is described, wherein a video camera and lens is adjustable so that it can either produce images of an operator's surroundings for recording on a medium such as video tape, as in normal recording video cameras, or of the operator as in video conferencing terminals. The device is preferably provided with a video display screen that functions as a viewfinder in video-graphing the surroundings. The device is equipped with communication electronics that establish a connection over a network, and then transmits video and audio signals from the device while displaying video signals and reproducing audio signals that arrive over the network. Attempts by the network to establish a connection with the device result in the device automatically establishing the connection. Then the device activates its internal recording systems to play the pre-recorded video message and transmit it over the network. The operator is later able to play the recorded signals and view them on the device's built-in display.

65 Claims, 12 Drawing Sheets

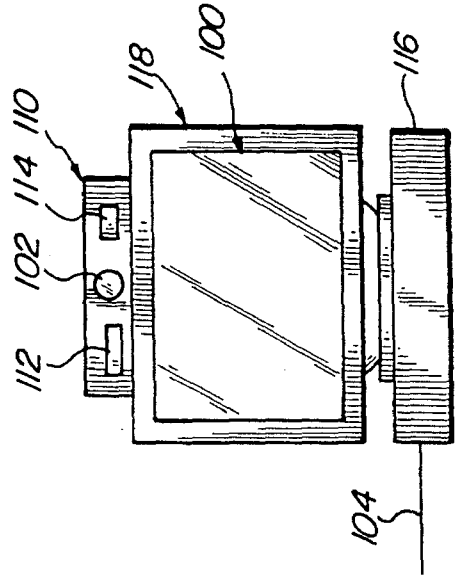
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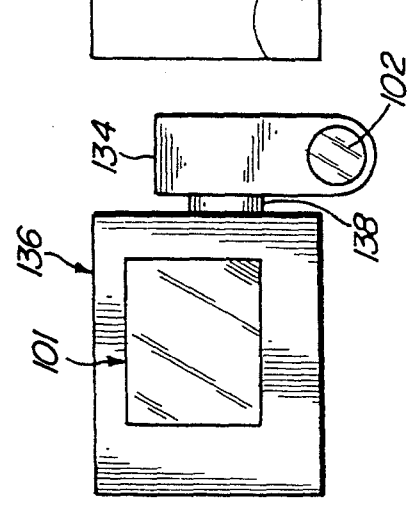


PRIOR ART
FIG. 2



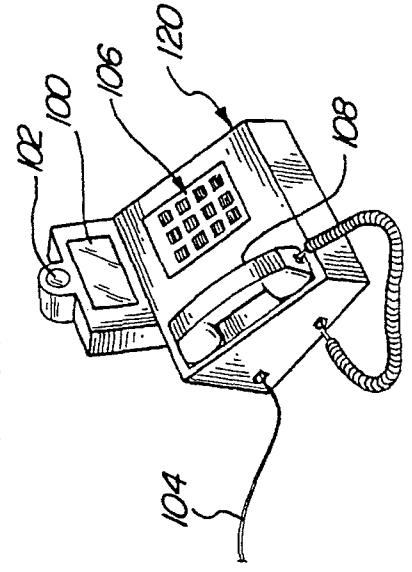
PRIOR ART

FIG. 4



PRIOR ART

FIG. 1



PRIOR ART

FIG. 3

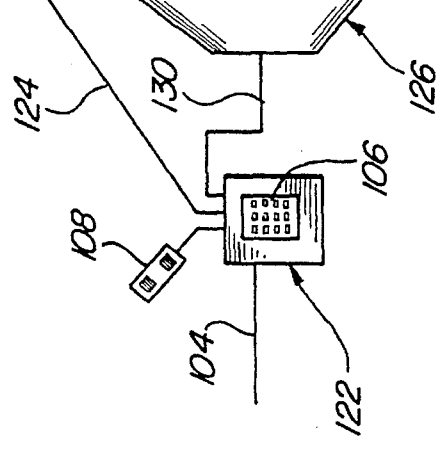


FIG. 8

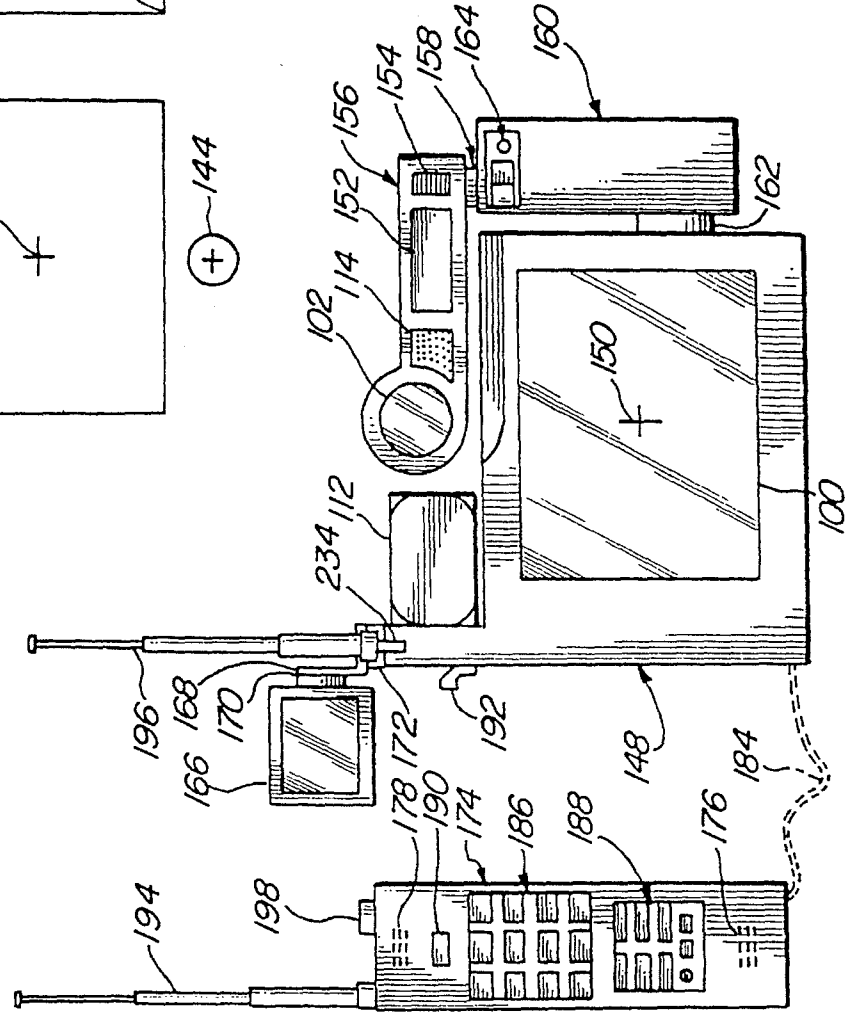


FIG. 6

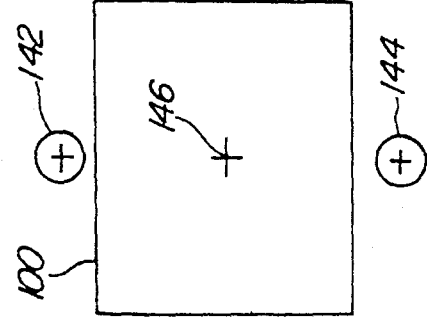


FIG. 7

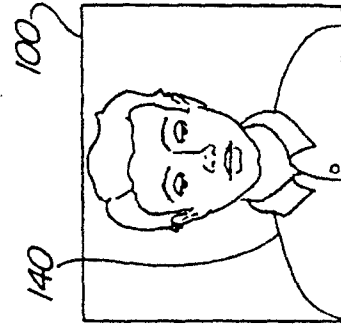


FIG. 10

FIG. 11

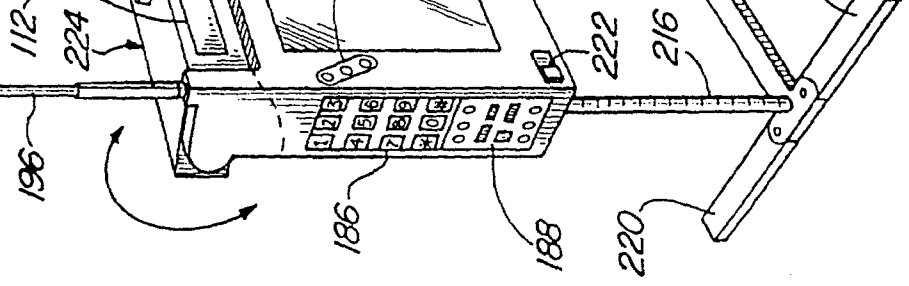
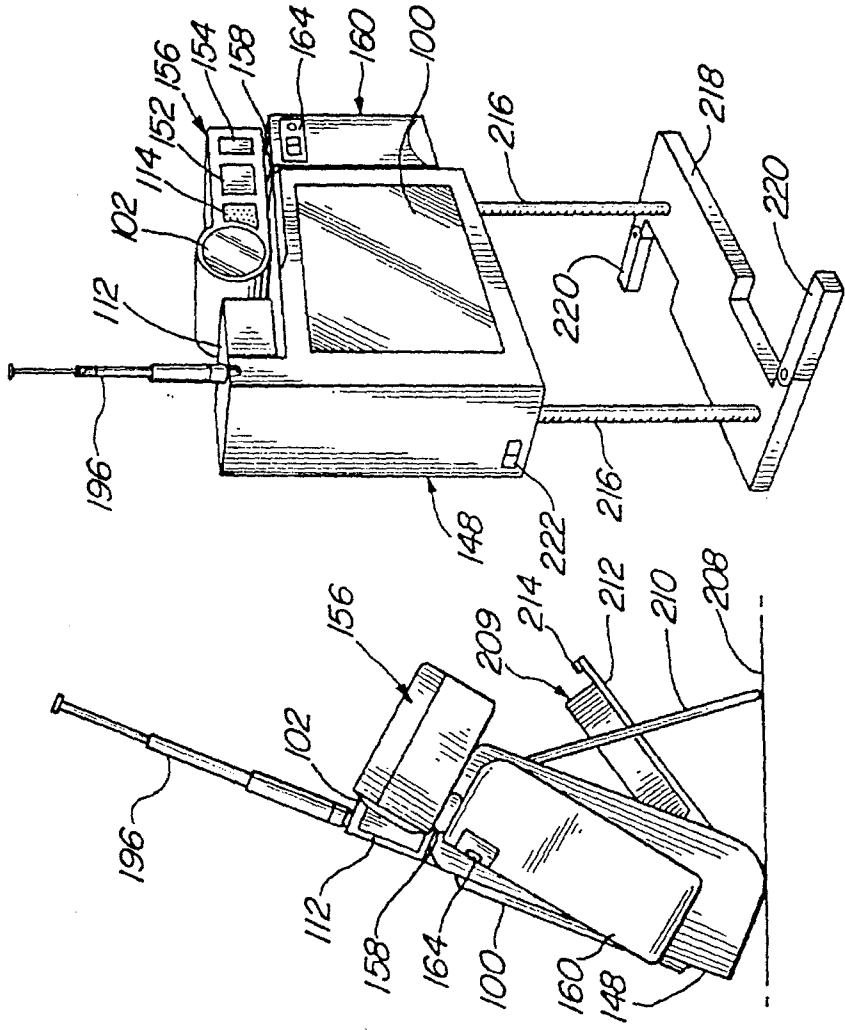


FIG. 13

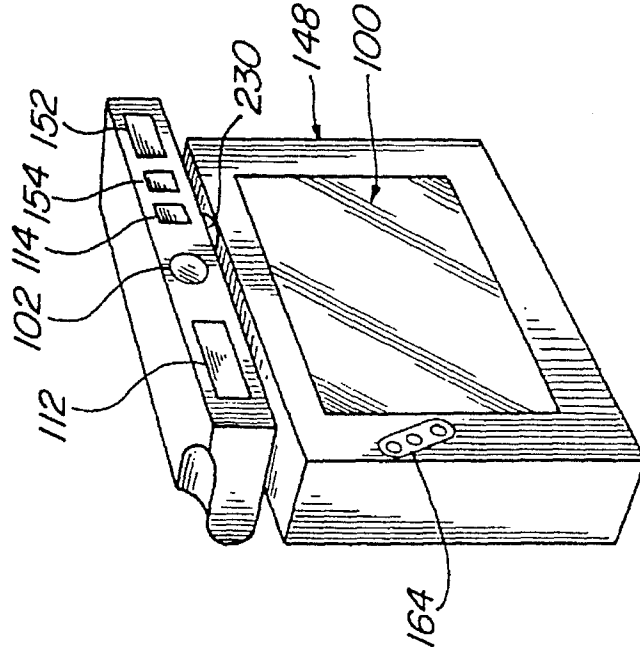
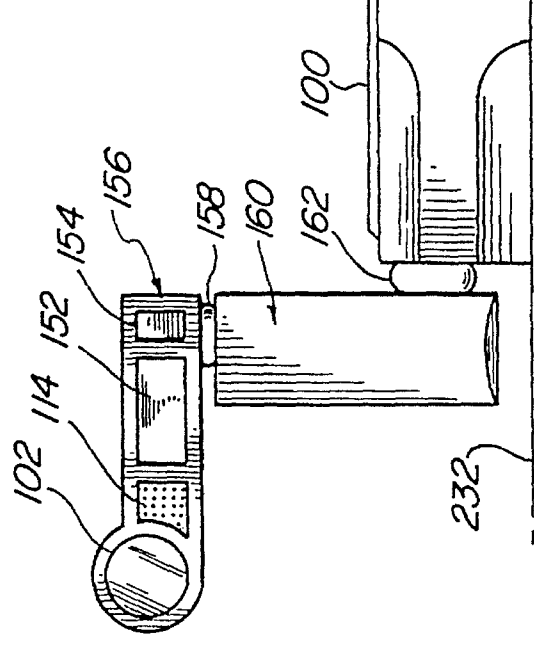


FIG. 14



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