



US005550754A

# United States Patent [19] McNelly et al.

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[45] Date of Patent: **Aug. 27, 1996**

[54] TELECONFERENCING CAMCORDER  
[75] Inventors: **Steve McNelly**, Capistrano; **Eric Williams**, Altadena, both of Calif.  
[73] Assignee: **Videoptic Research**, San Juan Capistrano, Calif.  
[21] Appl. No.: **242,131**  
[22] Filed: **May 13, 1994**  
[51] Int. Cl.<sup>6</sup> ..... **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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*Assistant Examiner*—Thomas Peeso  
*Attorney, Agent, or Firm*—Price, Gess & Ubell

### [57] ABSTRACT

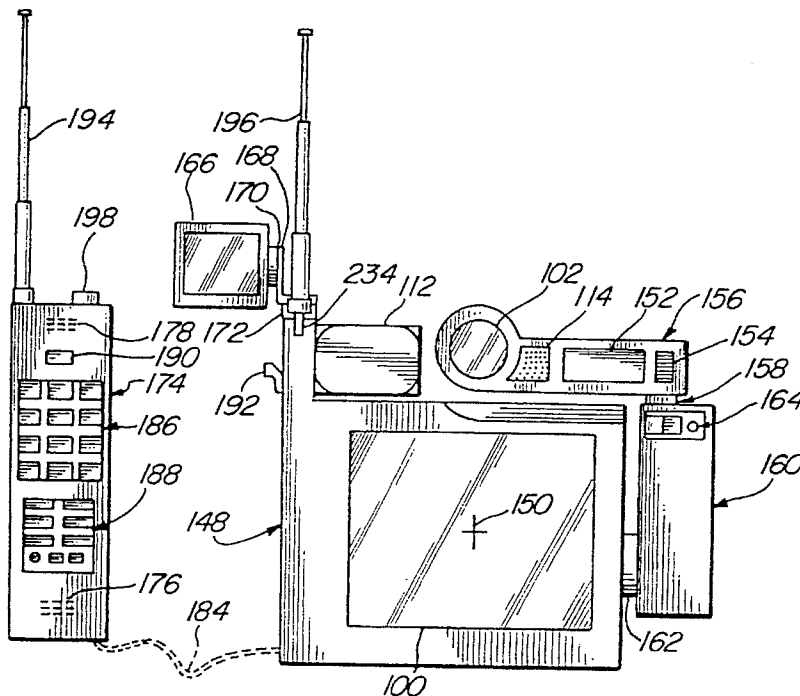
A combination portable recording video camera and video-conferencing terminal is described, wherein a video camera and lens is adjustable so that it can either produce images of an operator's surroundings for recording on a medium such as video tape, as in normal recording video cameras, or of the operator 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**

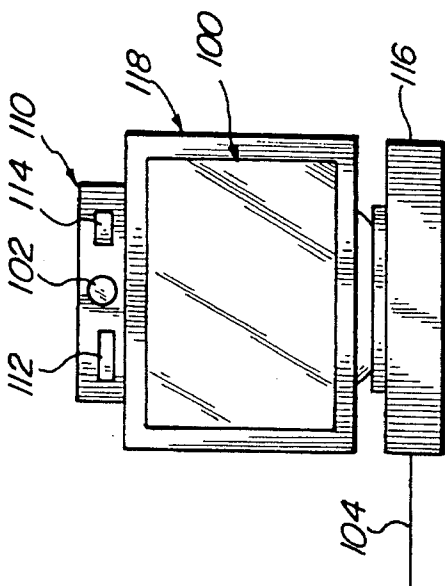
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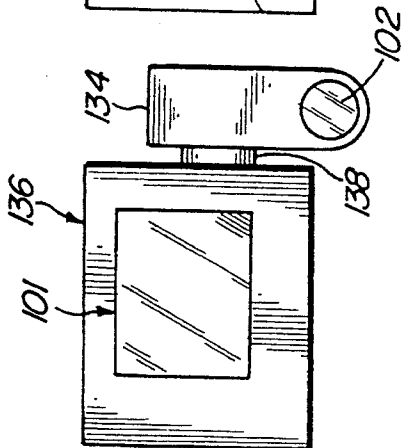
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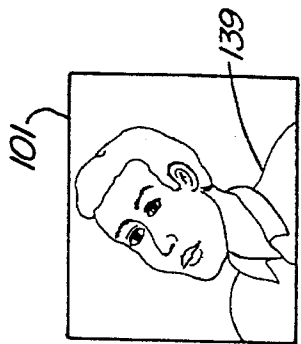
PRIOR ART  
**FIG. 2**



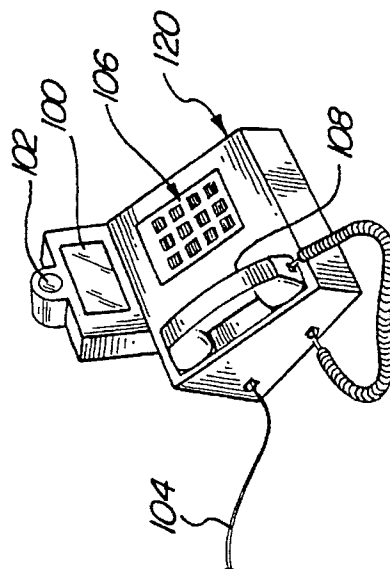
PRIOR ART  
**FIG. 4**



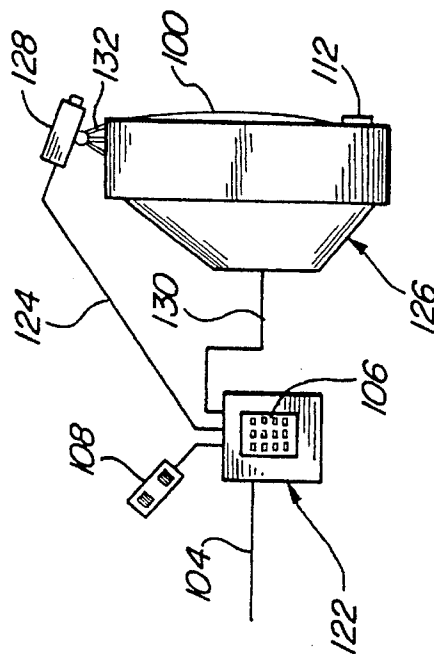
PRIOR ART  
**FIG. 5**



PRIOR ART  
**FIG. 1**



PRIOR ART  
**FIG. 3**



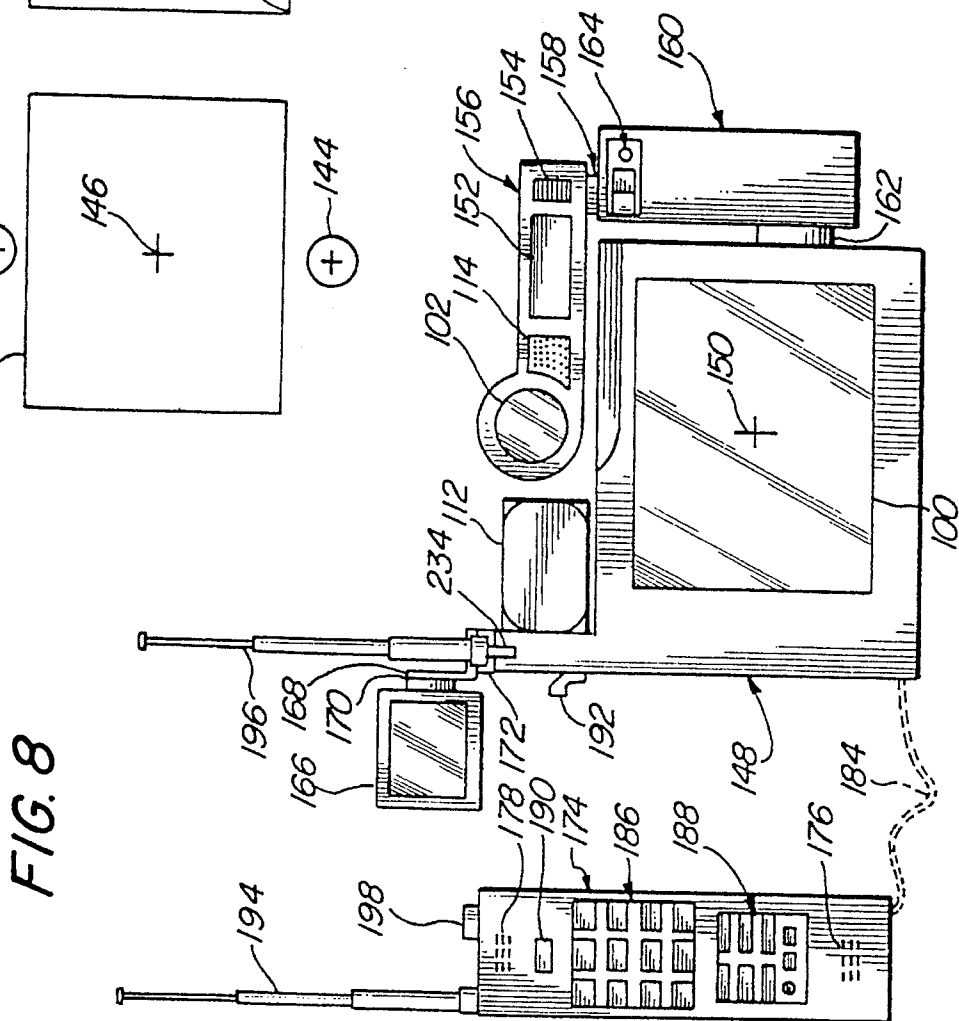
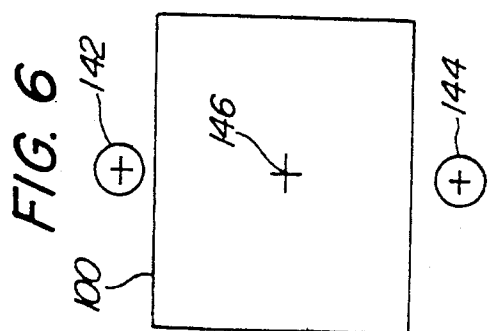
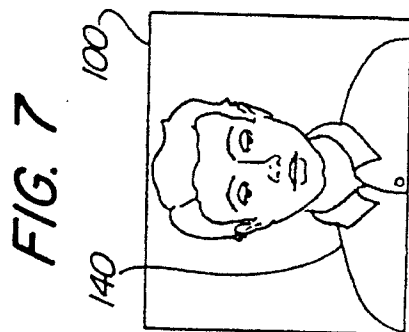
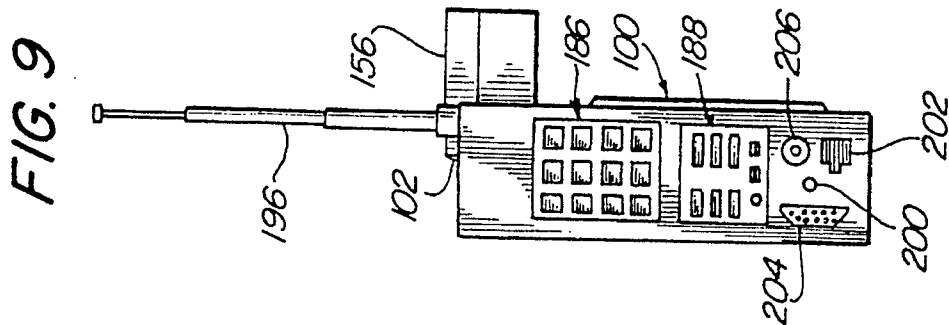


FIG. 12

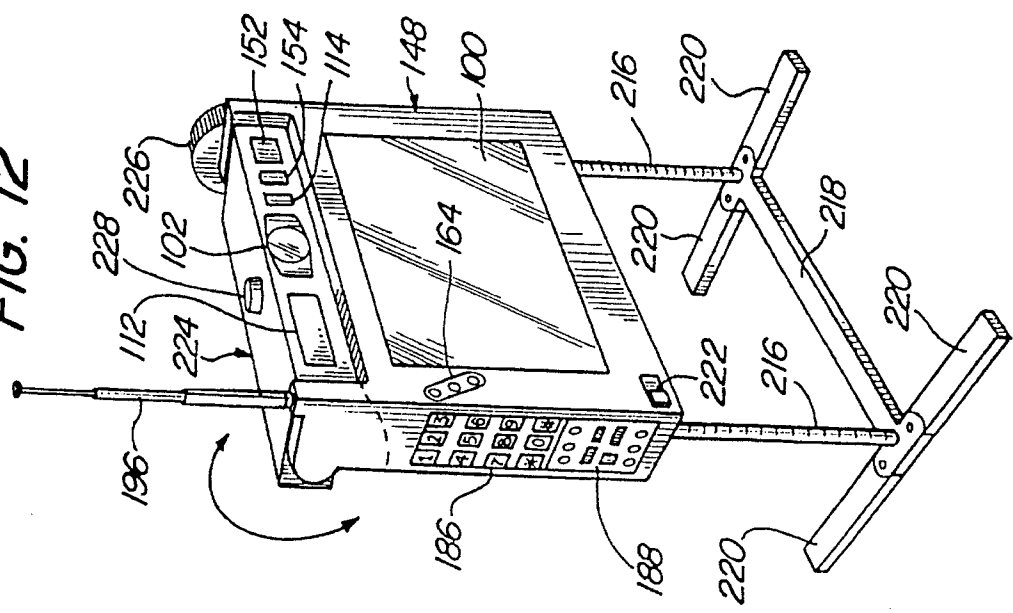


FIG. 11

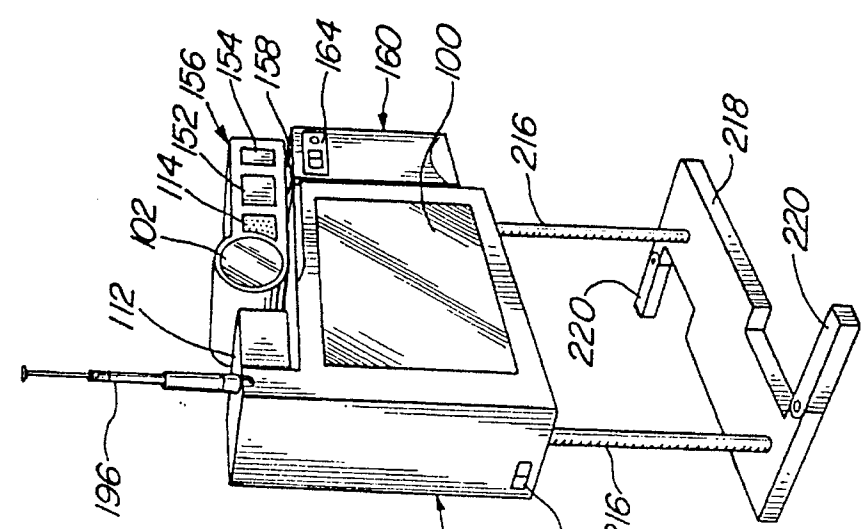


FIG. 10

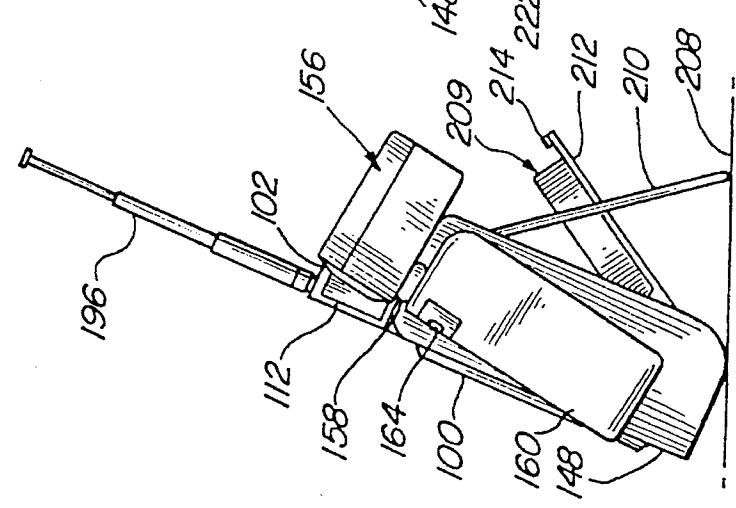


FIG. 13

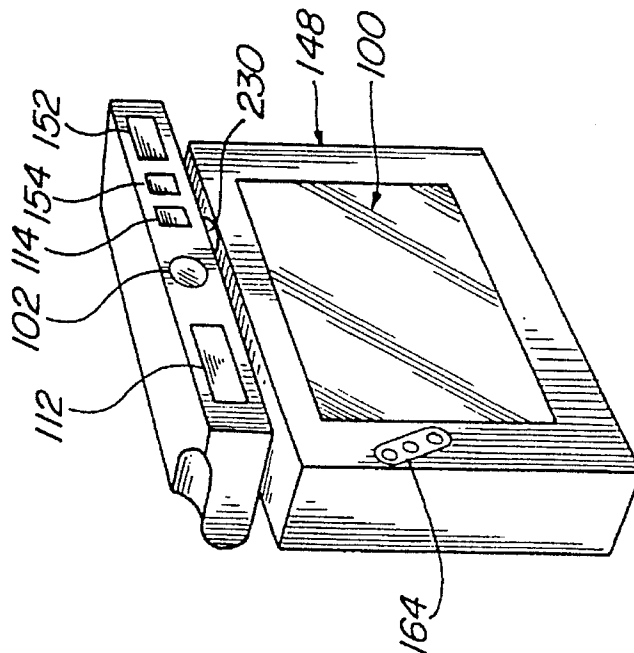
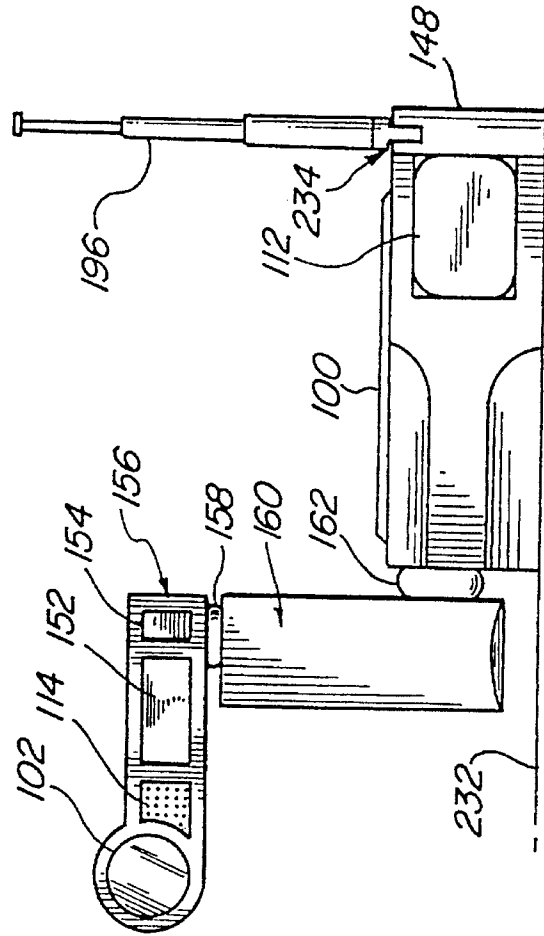


FIG. 14



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