



United States Patent [19]

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Umezawa et al.

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[54] VIDEO TELEPHONE EQUIPMENT	2659514	9/1991	France	379/433
	60-21636	2/1985	Japan	
[75] Inventors: Koichi Umezawa, Tokyo; Hiroyuki Kuriyama, Yokohama; Takanori Nishiyama, Mitaka; Kiyoshi Ishida, Yokohama; Iwao Ishinabe, Koganei, all of Japan	61-104653	7/1986	Japan	
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	3-109891	5/1991	Japan	H04N 7/14
	3-162024	7/1991	Japan	455/89
	4-117849	4/1992	Japan	
[73] Assignee: Hitachi, Ltd., Japan	8909524	10/1989	WIPO	379/433

[21] Appl. No.: 139,700

[22] Filed: Oct. 22, 1993

[30] Foreign Application Priority Data

Oct. 23, 1992 [JP] Japan 4-286467

[51] Int. Cl.⁶ H04M 11/00

[52] U.S. Cl. 348/14; 379/433; 379/58

[58] Field of Search 379/433, 434, 379/93, 96-99, 90, 110, 58, 61; 455/89, 90; 348/14, 20; H04N 7/12, 7/14

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Primary Examiner—Wing F. Chan
Attorney, Agent, or Firm—Evenson, McKeown, Edwards & Lenahan

[57] ABSTRACT

A handy type video telephone equipment which permits a user to transmit and receive pictures and speech with a casing held in one hand. A speaker is arranged at the upper end part of the front of the casing which is thin and vertically long, while a microphone is arranged at the lower end part thereof. A display panel and a control panel are interposed between the speaker and the microphone. A camera is mounted on the casing so as to be capable of altering its angle. The speaker is detachably mounted, and it is usable as an earphone when detached. The user's movements are not hampered during the transmission and reception, and the equipment can assume various communication or service attitudes conforming to the contents of information for the communications.

12 Claims, 23 Drawing Sheets

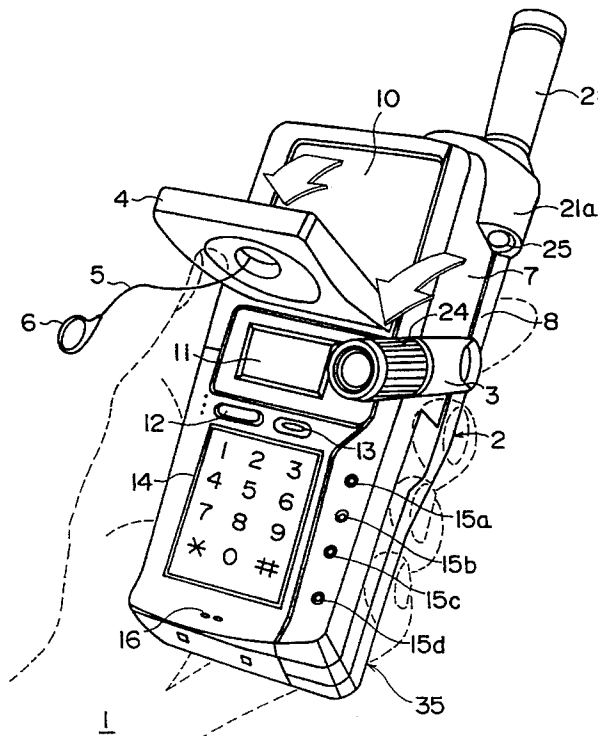


FIG. 1

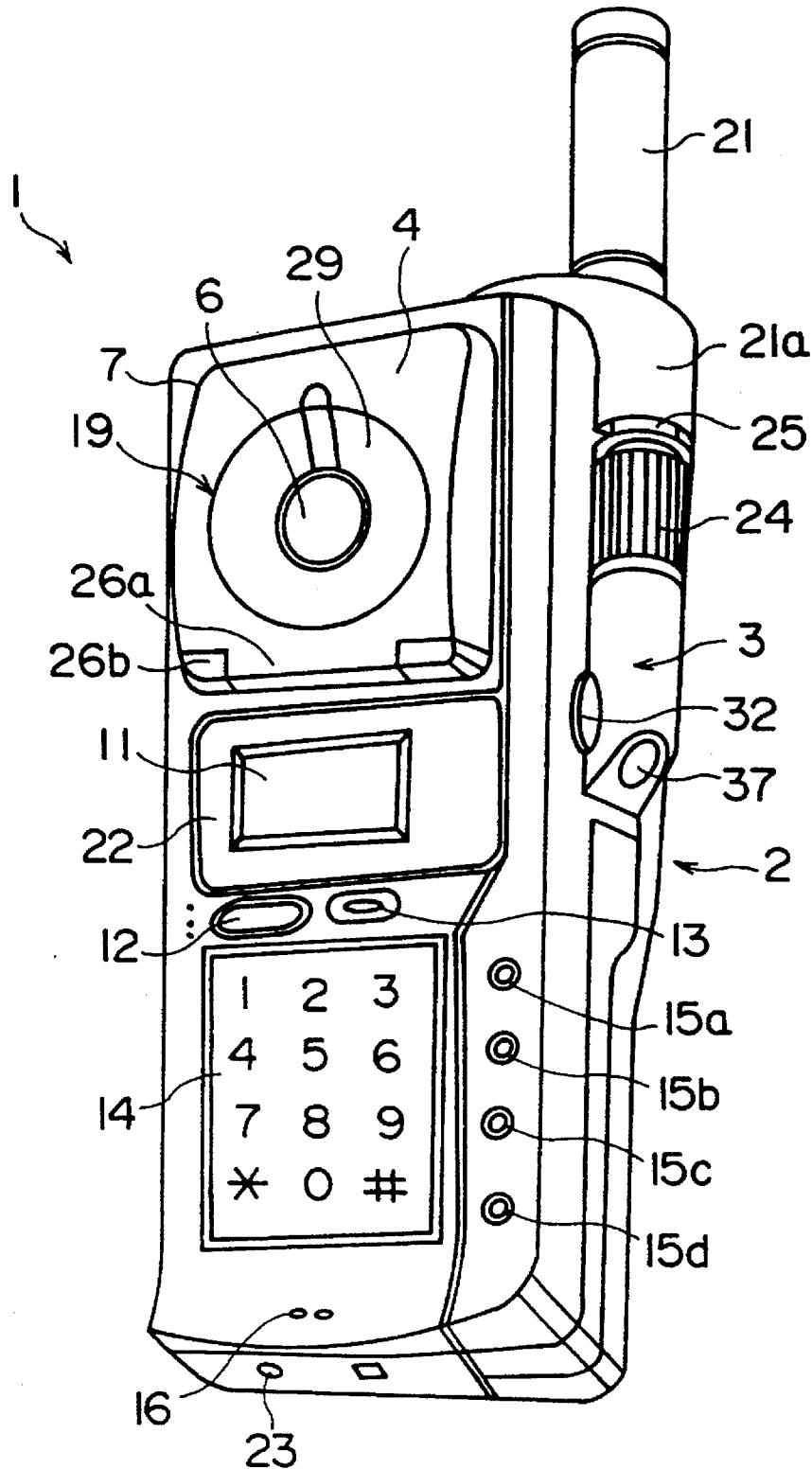


FIG. 2

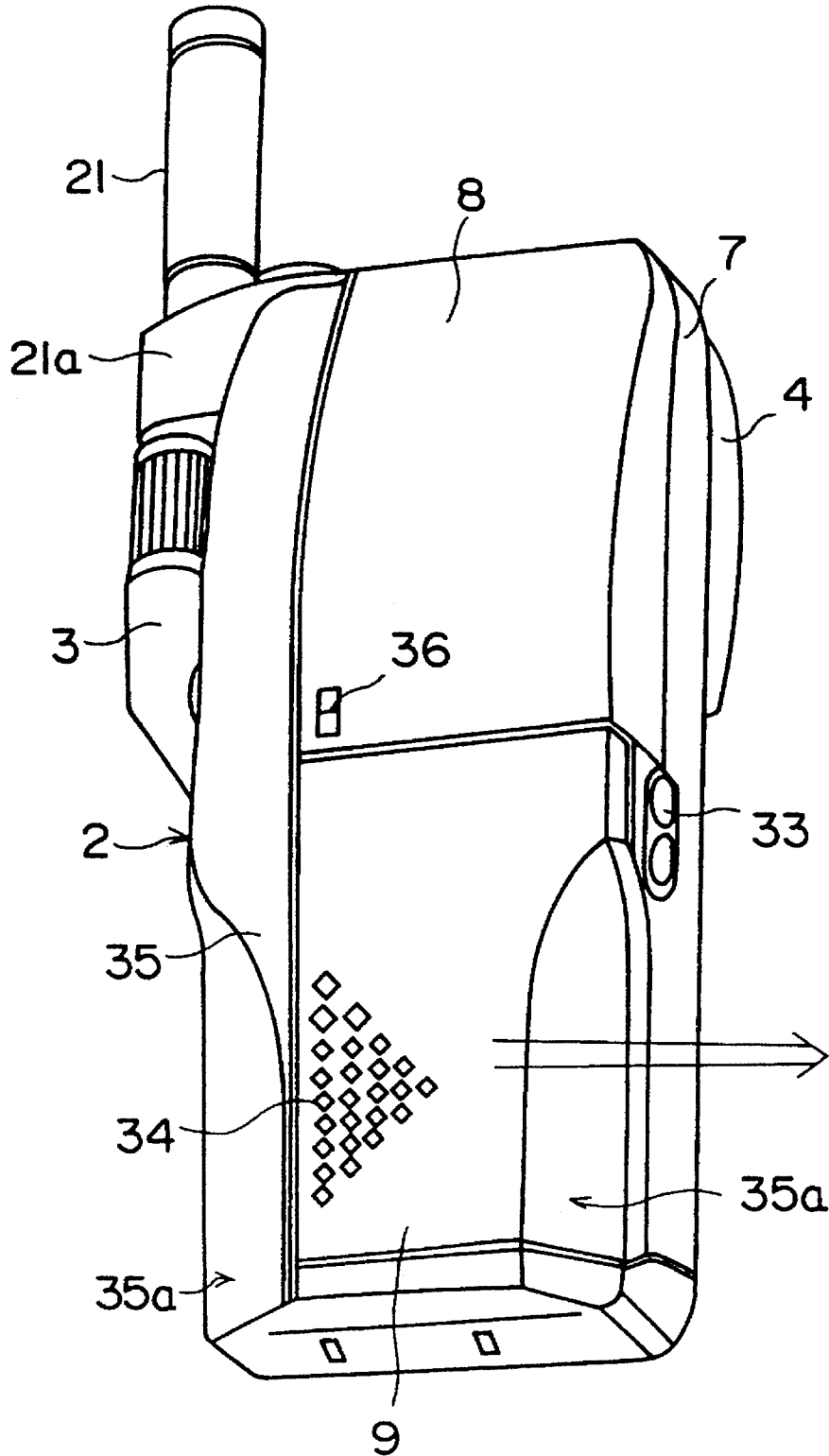


FIG. 3

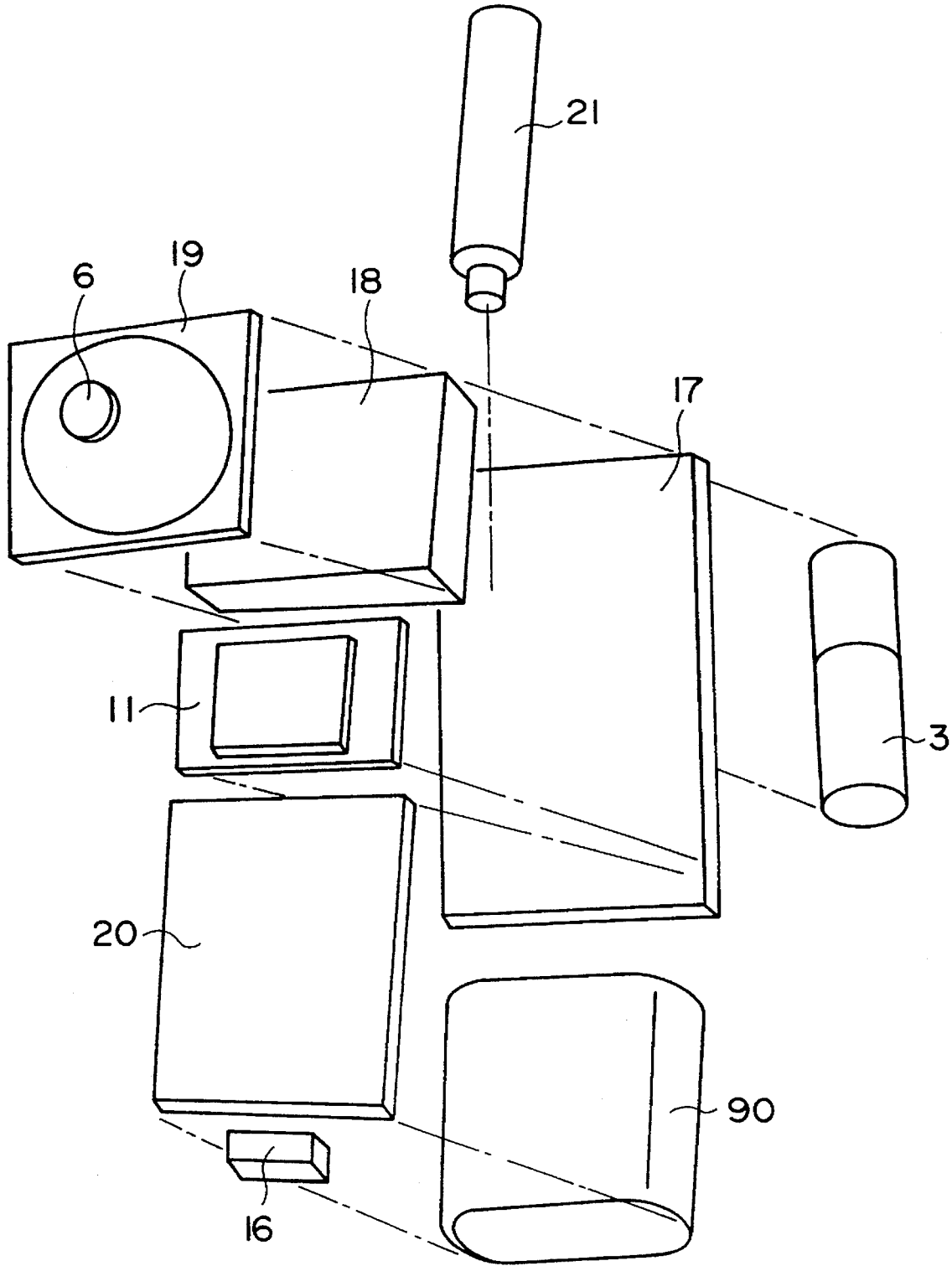
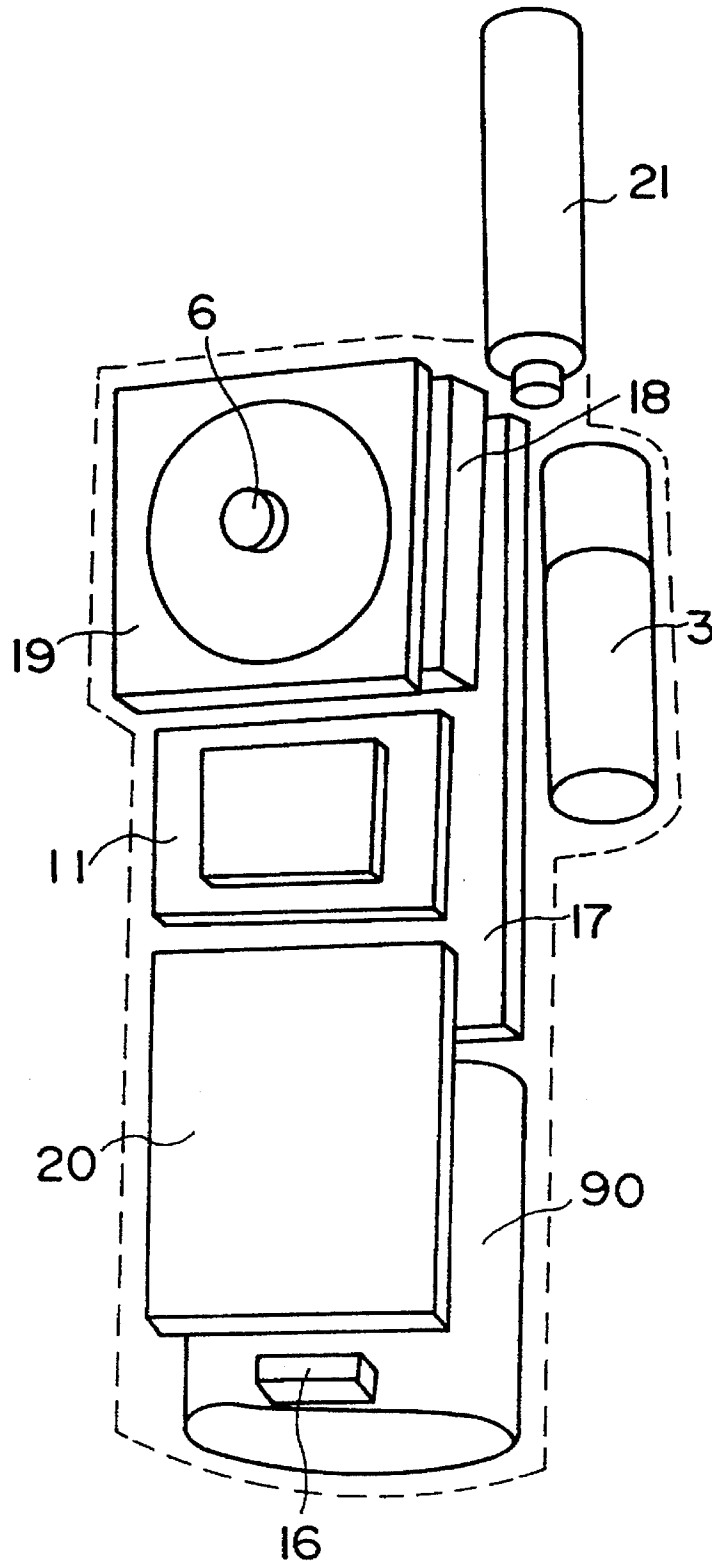


FIG. 4



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