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Yamazaki et al.

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(54) **WRIST-CARRIED CAMERA AND WATCH-TYPE INFORMATION EQUIPMENT**

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(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**⁷ **H04N 5/225**

(52) **U.S. Cl.** **348/373; 348/376**

(58) **Field of Search** 348/373, 374, 348/375, 376, 61, 73, 207.99; 396/318, 56, 336; 368/10, 71, 21; 340/5.82, 7.55; 455/556.1, 11.1, 344

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,362,398 A * 12/1982 Jackson 368/240
5,329,501 A * 7/1994 Meister et al. 368/10
5,475,653 A * 12/1995 Yamada et al. 368/10
5,572,196 A * 11/1996 Sakumoto et al. 340/7.55

5,572,488 A * 11/1996 Yamada et al. 368/10
5,977,535 A * 11/1999 Rostoker 250/208.1
6,359,837 B1 * 3/2002 Tsukamoto 368/10
2001/0011025 A1 * 8/2001 Ohki et al. 455/556
2001/0017663 A1 * 8/2001 Yamaguchi et al. 348/373
2002/0180586 A1 * 12/2002 Kitson et al. 340/5.82

FOREIGN PATENT DOCUMENTS

JP 62009289 A * 10/1987 G04G/1/00
JP 05-209973 * 8/1993
JP 8278382 10/1996
JP 1090442 4/1998
JP 10108152 4/1998

* cited by examiner

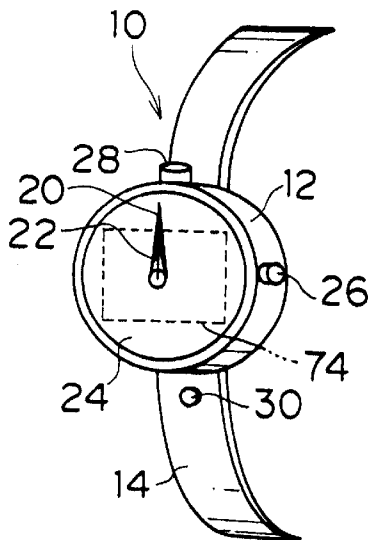
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(57) **ABSTRACT**

In a wrist-carried camera having a watch function, a body including a taking lens is provided in such a manner as to freely rotate with respect to a band part through a rotation mechanism, and a release switch is provided at the unrotated band part. Setting a camera mode stops the hands of the watch in the direction of a taking lens so as to display an image-capturing direction. A rotary bezel is arranged around a display part, and marks indicating modes of the camera are formed on the bezel. A hand of the watch is also used as an indicator for pointing the mode display mark in the bezel. Setting the mark in the bezel to the indicator switches and displays the operation modes.

19 Claims, 9 Drawing Sheets



Samsung v. GUI
IPR2021-00336
Exhibit 1019

FIG. 1

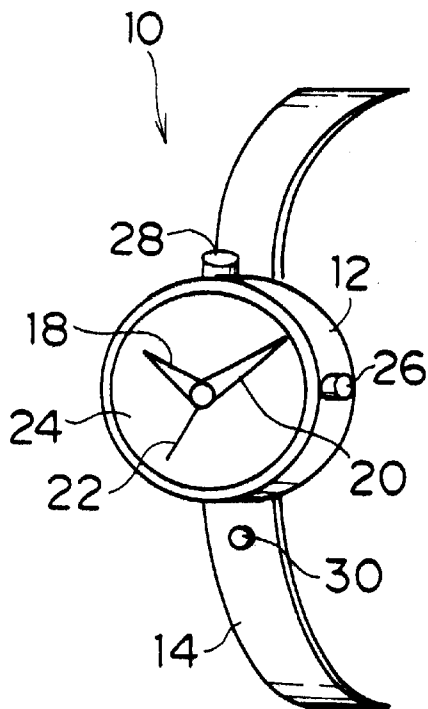
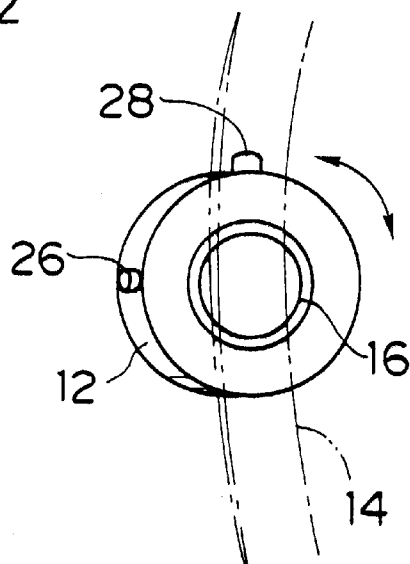
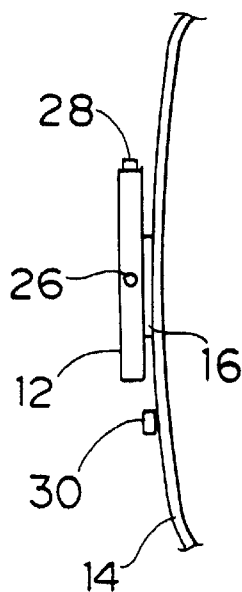


FIG. 2



F I G. 3



F I G. 4

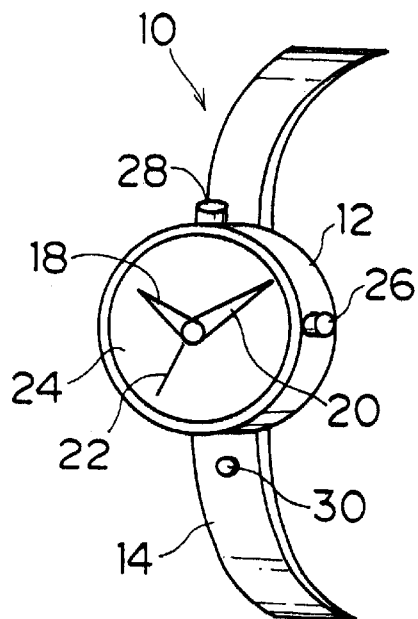


FIG. 5

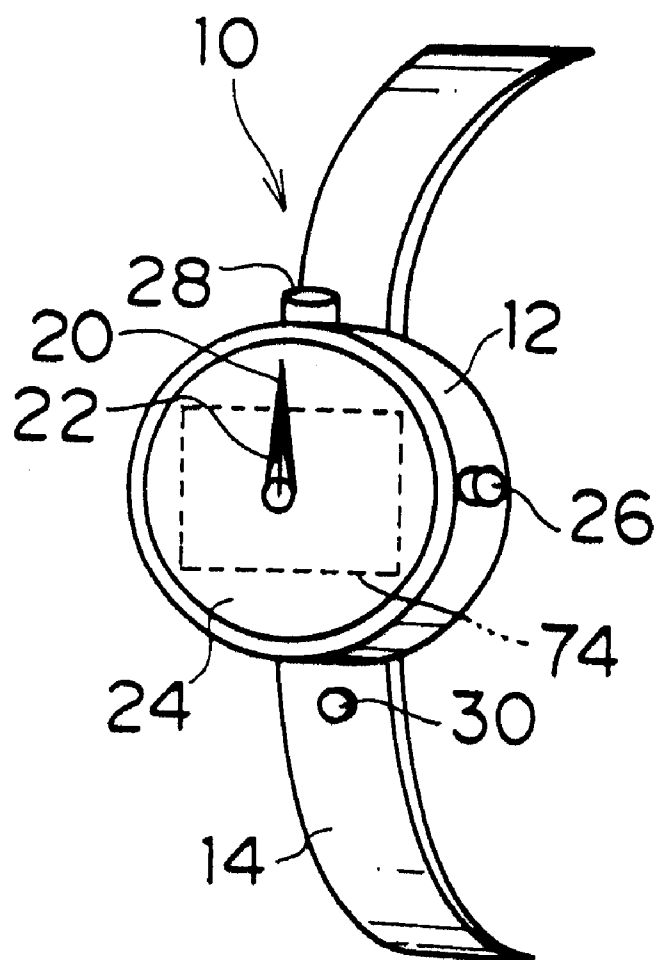
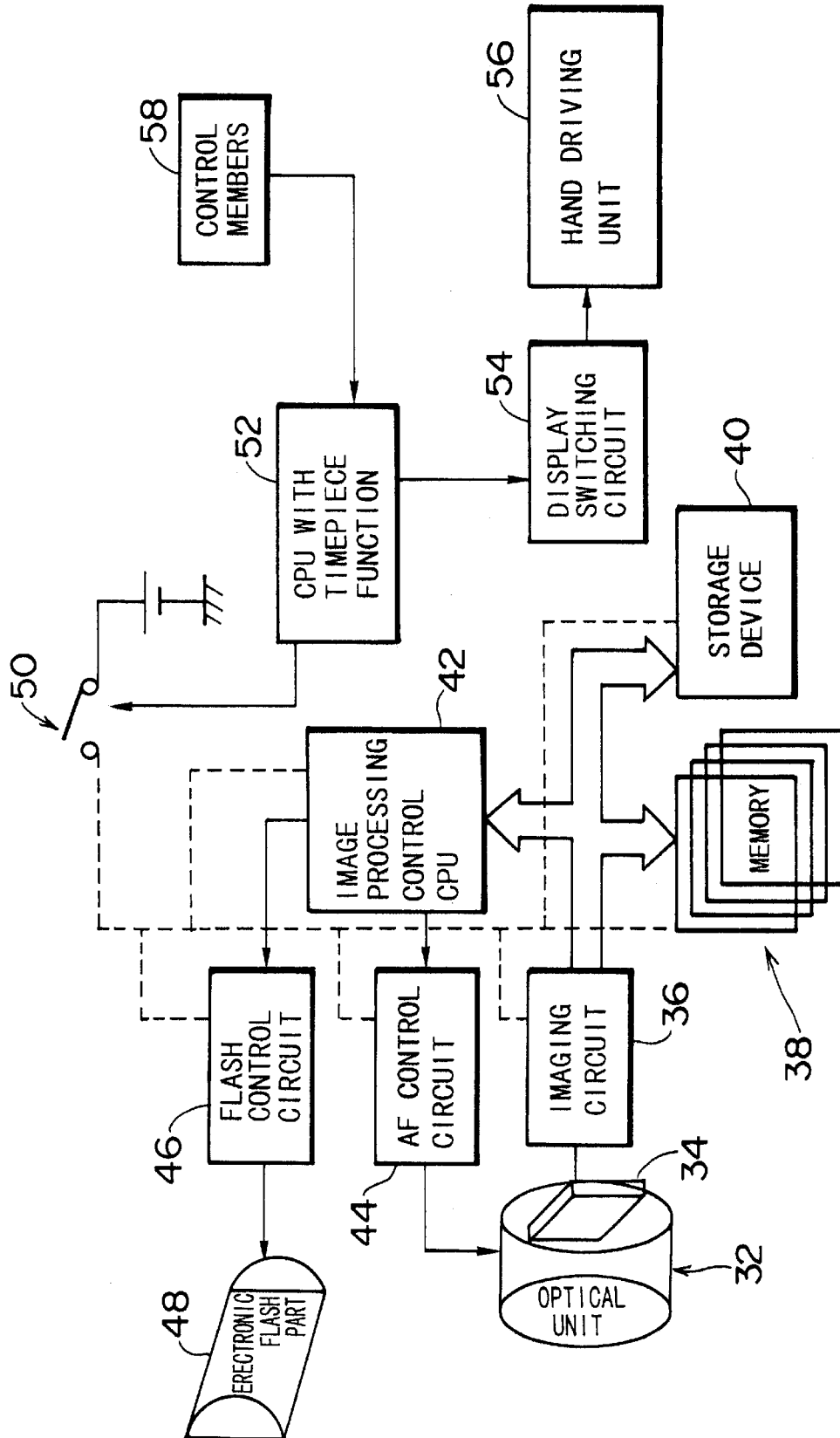


FIG. 6



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