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(12) **United States Patent**
Maruyama

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(54) **SILVER HALIDE PHOTOGRAPHIC AND ELECTRONIC IMAGE PICKUP CAMERA**

FOREIGN PATENT DOCUMENTS

10-108054 4/1998 (JP)

(75) Inventor: **Atsushi Maruyama**, Sagamihara (JP)

* cited by examiner

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

(57) **ABSTRACT**

A camera includes an exposure device for exposing an image of a subject on a silver halide film; a pop-up unit capable of popping up out of a camera body to a pop-up position; an image pickup contained in the pop-up unit and capable of picking up an image of the subject in a state in which the pop-up unit is popped up out of the camera body; a mode setting device which allows to selectively set a first operation mode of operating both the exposure device and the image pickup and a second operation mode of operating only the image pickup; and a detector for detecting the position of the pop-up unit. A controller is provided for operating the exposure device and/or the image pickup corresponding to the mode set by the mode setting device in response to a manipulation of a release. The controller operates only the exposure device when the first operation mode is set by the mode setting device and when the detector detects that the pop-up unit is not located at the pop-up position.

(21) Appl. No.: **09/595,946**

(22) Filed: **Jun. 16, 2000**

(30) **Foreign Application Priority Data**

Jun. 18, 1999 (JP) 11-173272

(51) **Int. Cl.**⁷ **G03B 15/03**; G03B 41/00

(52) **U.S. Cl.** **396/177**; 396/333; 396/429;
348/64

(58) **Field of Search** 348/64; 358/906,
358/909.1; 396/177, 333, 429

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10 Claims, 7 Drawing Sheets

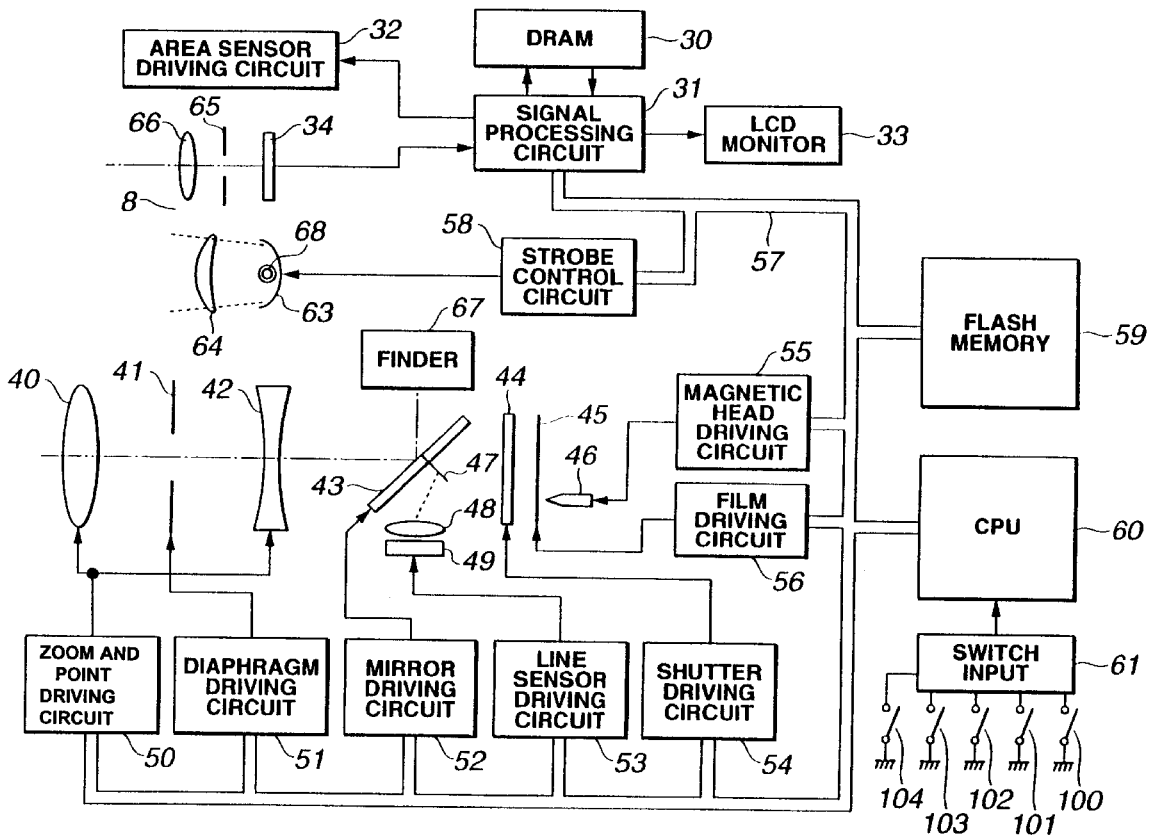


FIG.1

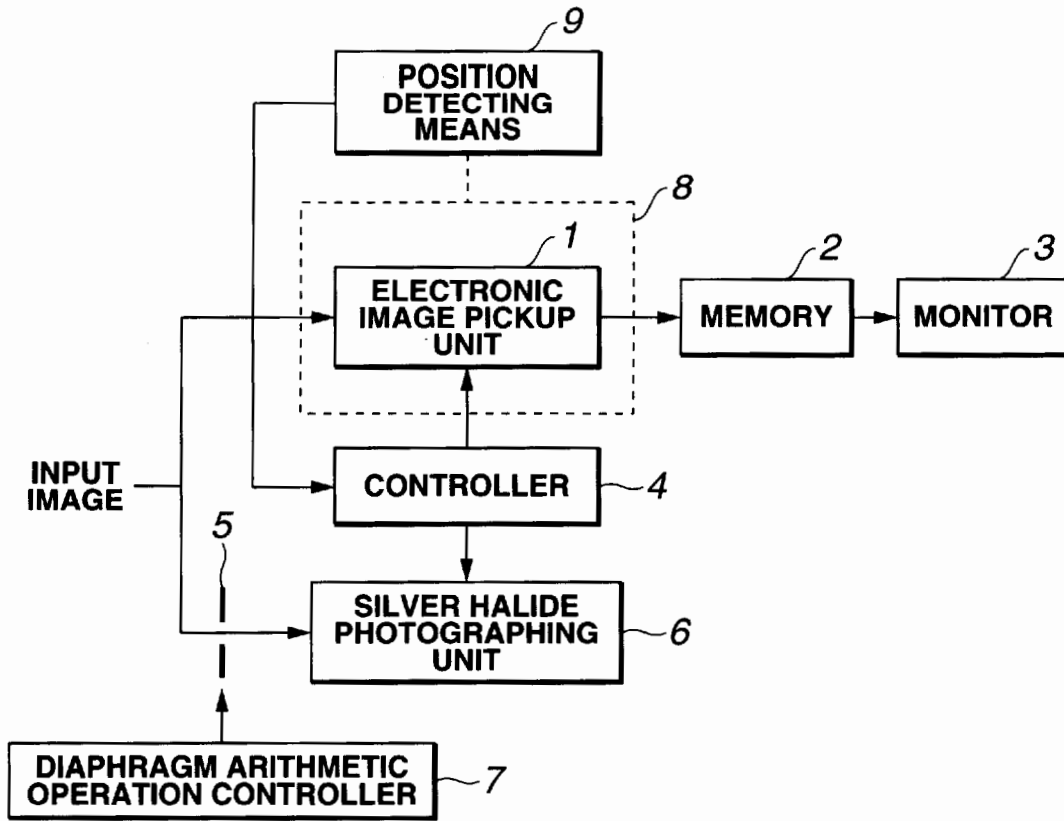


FIG.2

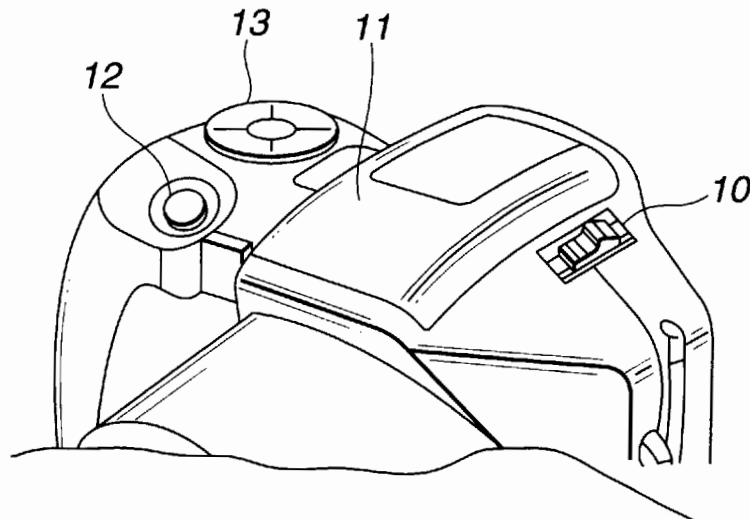


FIG.3

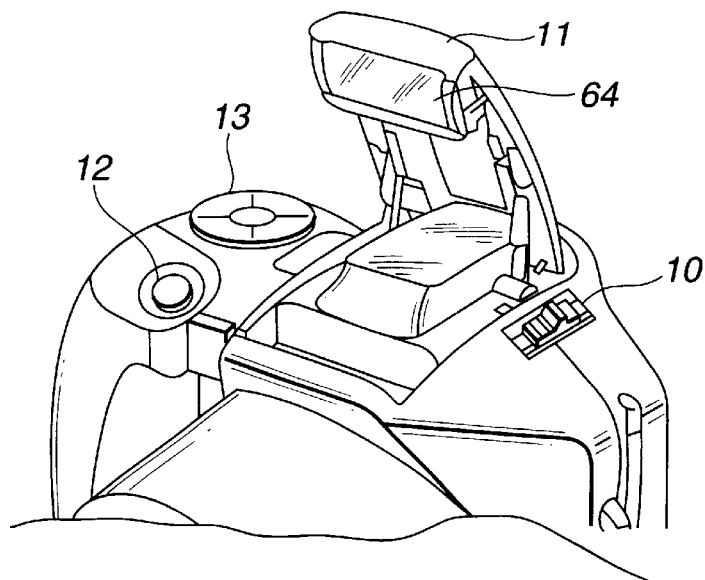


FIG.4

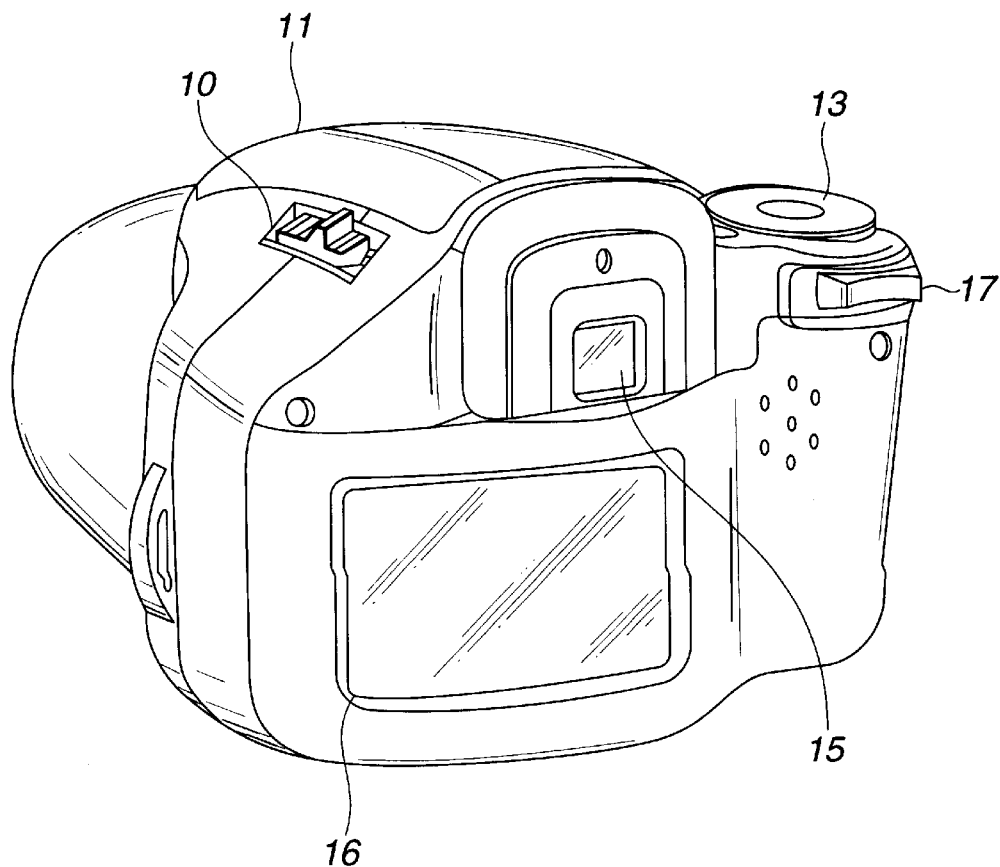


FIG. 5

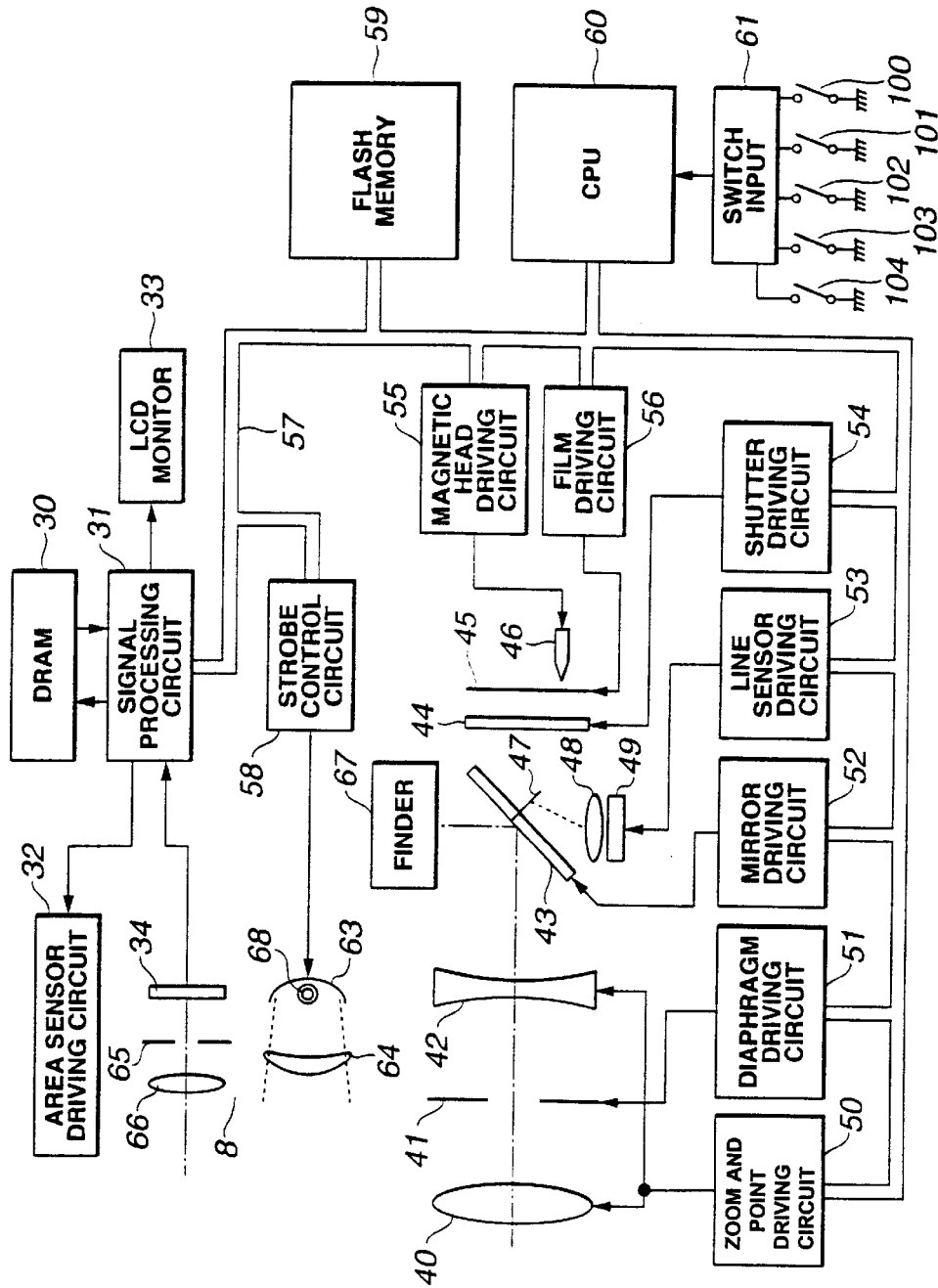
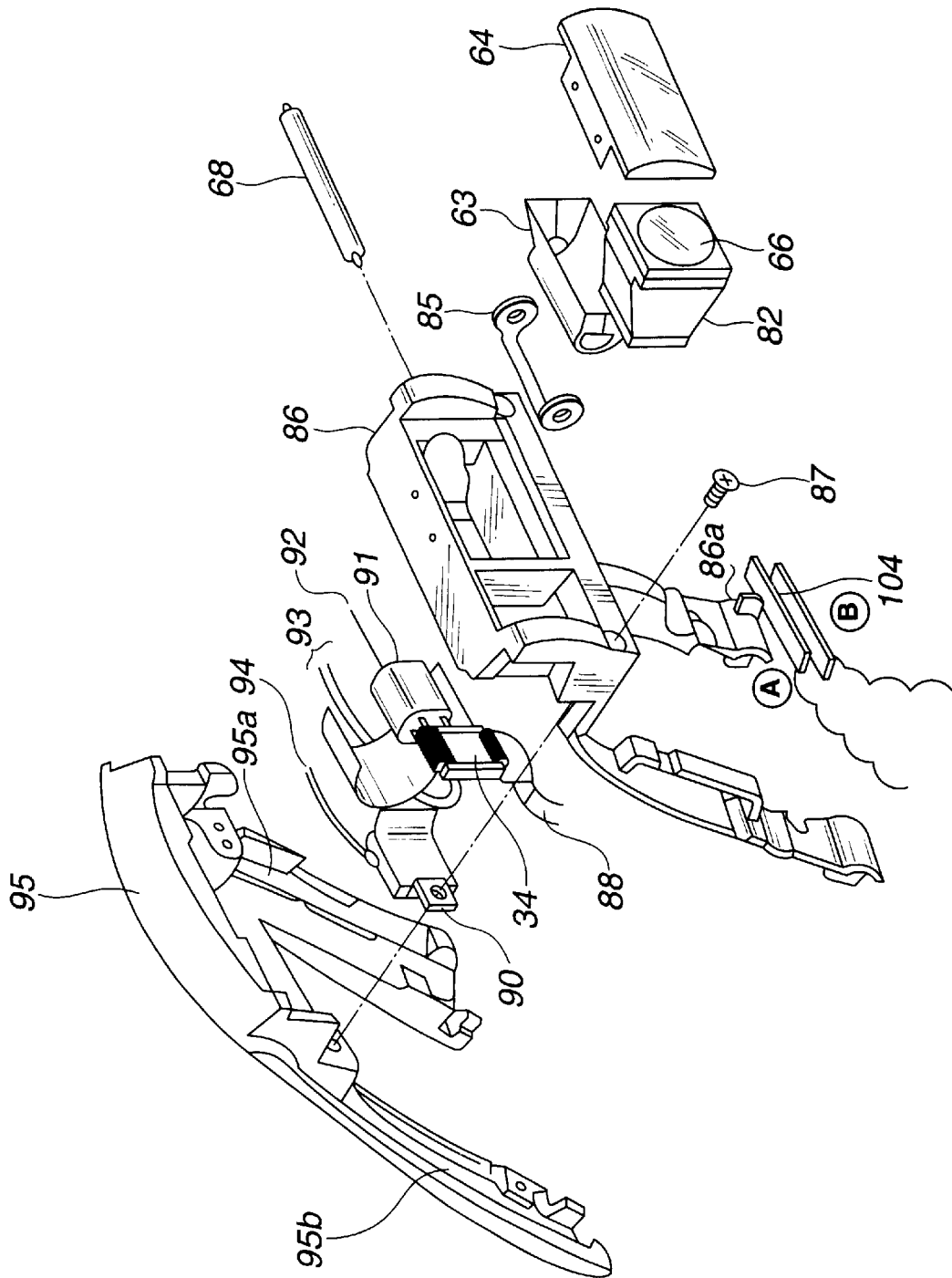


FIG. 6



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