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(12) United States Patent

Miyazaki

(54) IMAGE PICKUP APPARATUS FOR PRODUCING A DESIRED FRAME OF IMAGE SIGNALS

- (75) Inventor: Takao Miyazaki, Asaka (JP)
- (73) Assignee: Fujifilm Corporation, Kanagawa (JP)
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- (52) U.S. Cl. 348/231.6; 348/362

See application file for complete search history.

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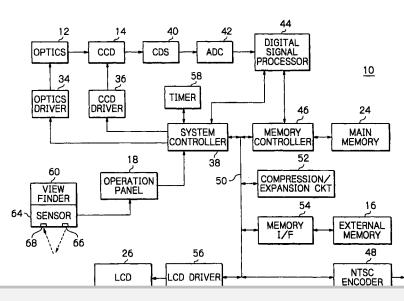
Primary Examiner—David Ometz

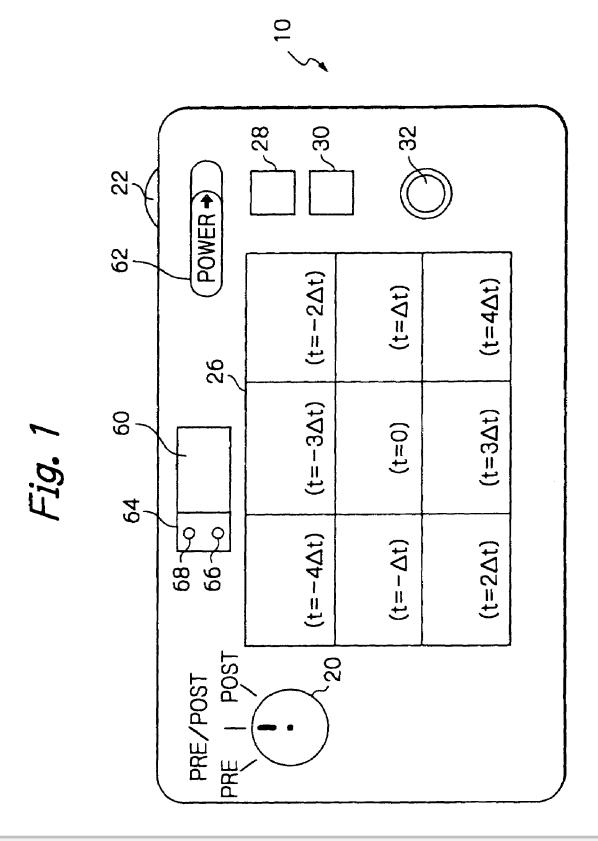
Assistant Examiner—Luong T. Nguyen (74) Attorney, Agent, or Firm—Birch, Stewart, Kolasch & Birch, LLP

(57) **ABSTRACT**

An image pickup apparatus capable of outputting one of successive pictures that is picked up at a desired timing. When the operator of the apparatus selects a continuous shoot mode, sets a mode dial at a "Pre (prior)/Post (posterior)" position, and then presses a release button to a half-stroke position, the apparatus picks up a desired scene at preselected intervals. Up to nine latest frames of image data are written to a main memory while being sequentially updated. Subsequently, when the operator presses the release button to a full-stroke position, up to five additional latest frames of image data are written to the main memory. The image data stored in the main memory are read out and transformed to display data. The display data appear on an LCD (Liquid Crystal Display) panel in a multiframe format. When the operator, watching pictures appearing on the LCD panel, selects desired one of the pictures by operating preselected switches arranged on an operation panel, the image data representative of the above picture is recorded in an external memory removably mounted to the apparatus.

18 Claims, 22 Drawing Sheets

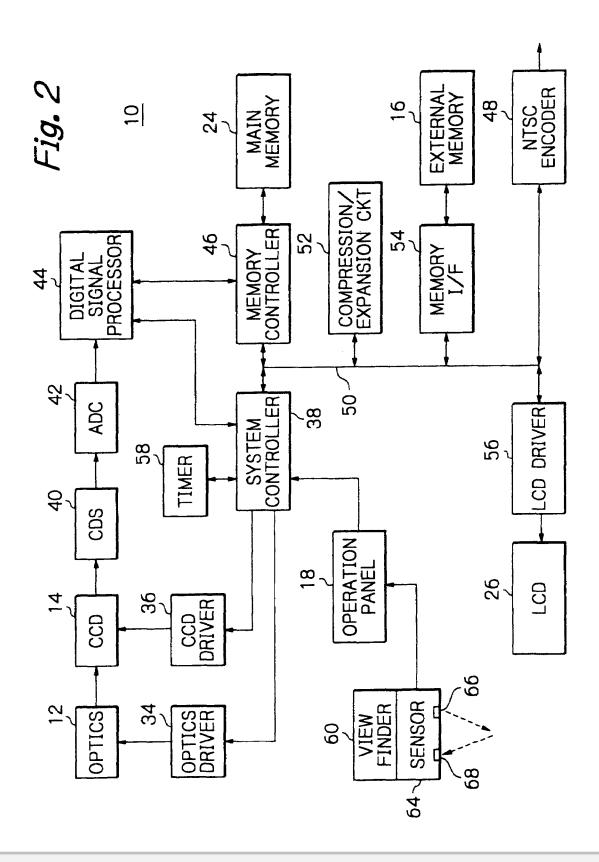




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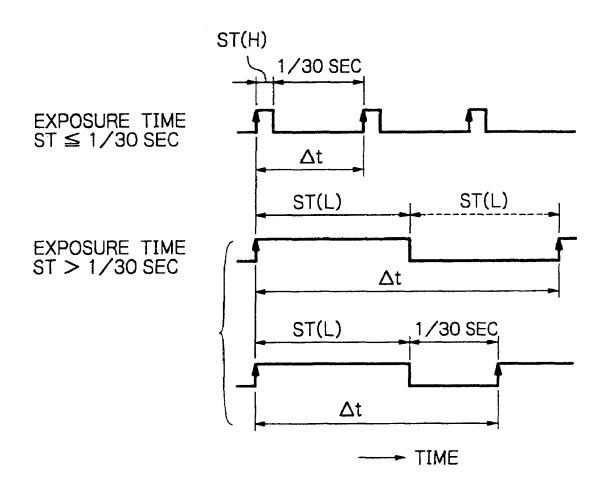
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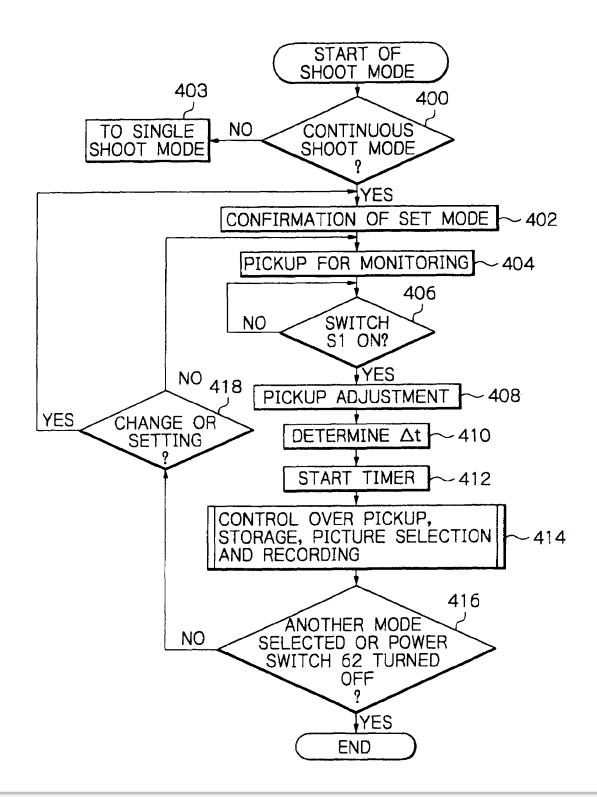
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Fig. 3



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