

Ex. GOOG 1031

**United States Patent** [19]

Parulski et al.

[11] **Patent Number:** 5,633,678[45] **Date of Patent:** May 27, 1997[54] **ELECTRONIC STILL CAMERA FOR CAPTURING AND CATEGORIZING IMAGES**[75] Inventors: **Kenneth A. Parulski; Thomas A. Napoli**, both of Rochester; **David M. Lewis**, Waterport, all of N.Y.[73] Assignee: **Eastman Kodak Company**, Rochester, N.Y.[21] Appl. No.: **574,756**[22] Filed: **Dec. 20, 1995**[51] Int. Cl.<sup>6</sup> ..... **H04N 5/30**[52] U.S. Cl. .... **348/232; 348/231; 348/239; 348/552**[58] **Field of Search** ..... 348/231, 232, 348/239, 222, 552, 207; 358/335; H04N 5/30, 5/225[56] **References Cited****U.S. PATENT DOCUMENTS**

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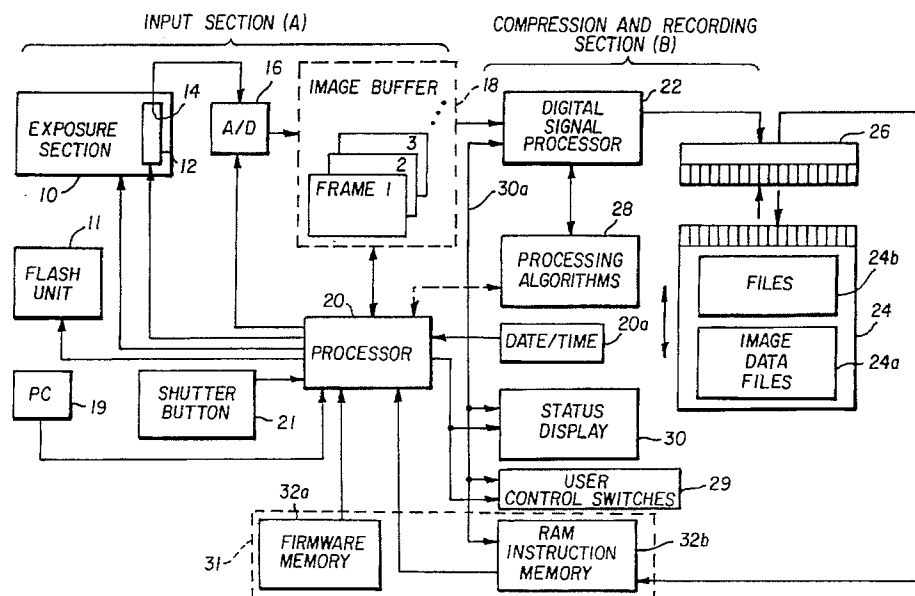
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[57] **ABSTRACT**

An electronic camera captures images representing a variety of subjects and categorizes the image according to subject matter. The camera comprises an image sensor for capturing an image, a converter stage for converting the image into digital image data, and a memory for storing a plurality of categories providing classification of the images by subject. A processor in the camera has the capability of assigning the plurality of categories to the images captured by the camera, with each category providing a subject classification for the images. A user selects one or more categories for a plurality of images prior to capture, and an output image signal is then generated including the digital image data corresponding to a captured image and the particular category selected by the user. The categories can be default identifiers stored in the memory, or can be names, text (i.e., account number), and/or graphics overlays (i.e., company logo) entered via a host computer and uploaded to the camera memory before the pictures are taken.

**30 Claims, 6 Drawing Sheets**

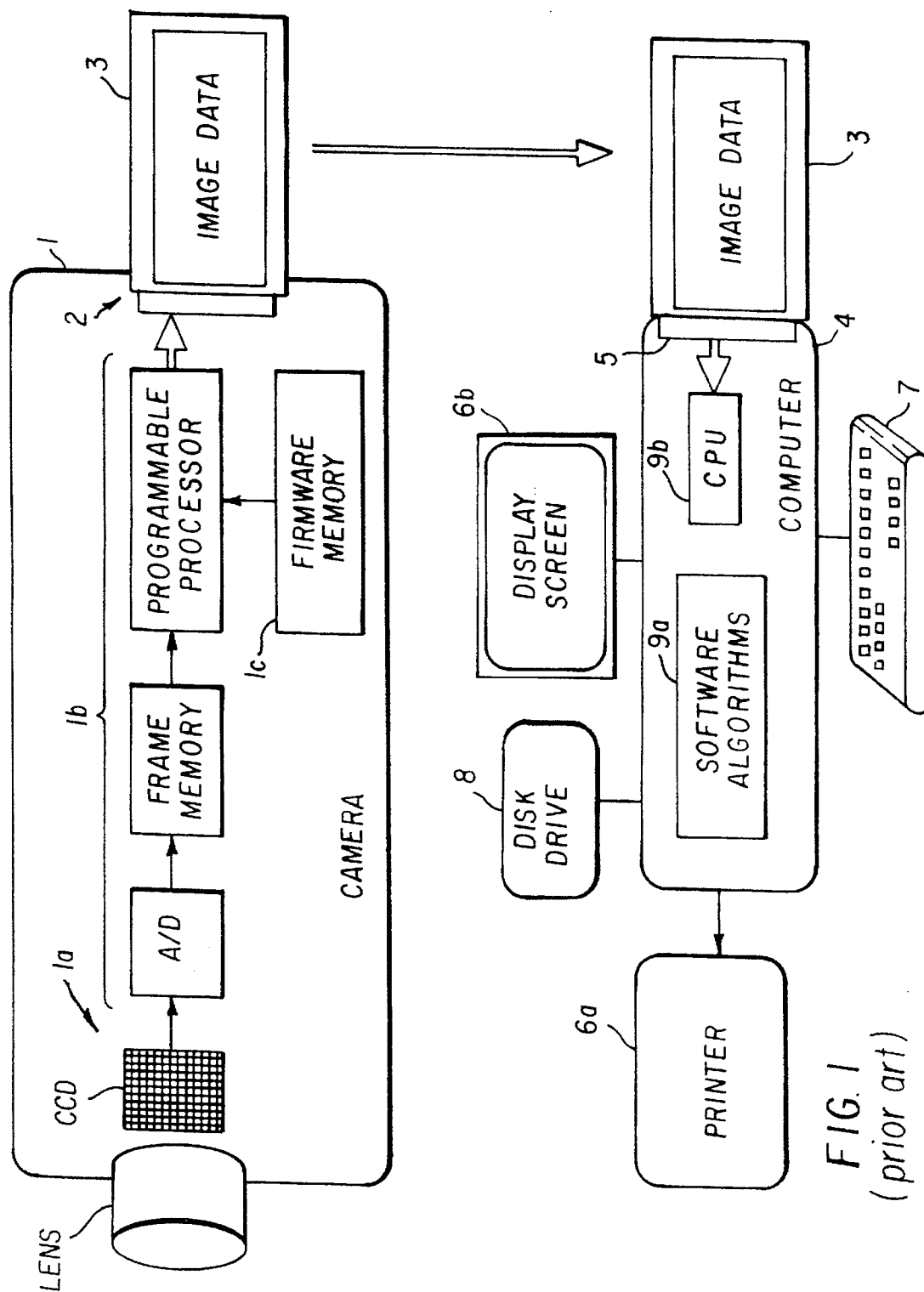


FIG. 1  
(prior art)

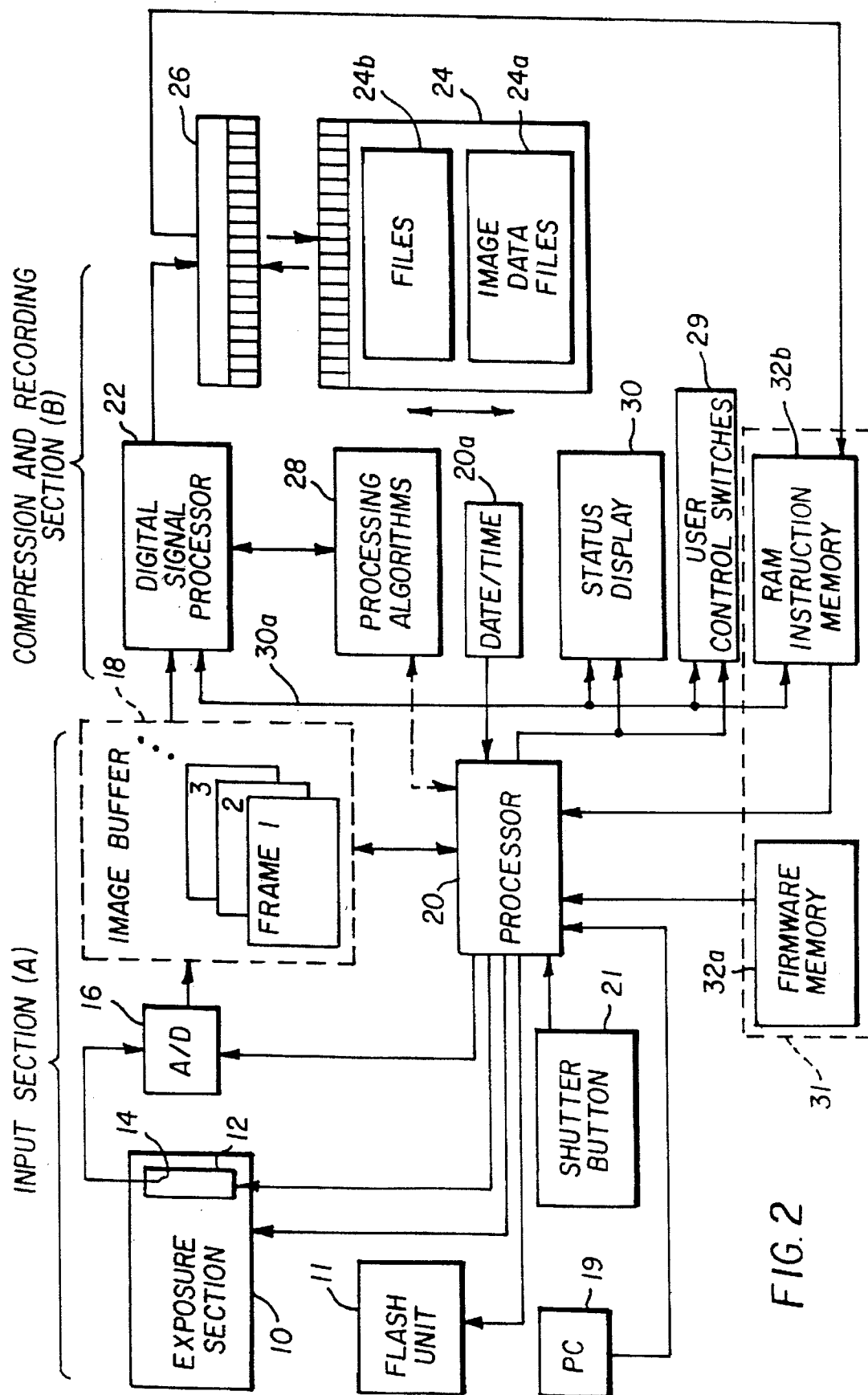


FIG. 2

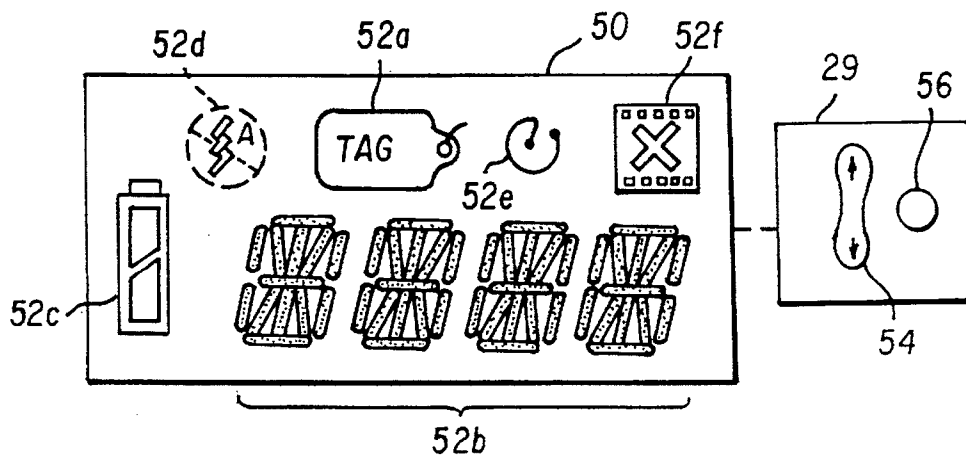


FIG. 3

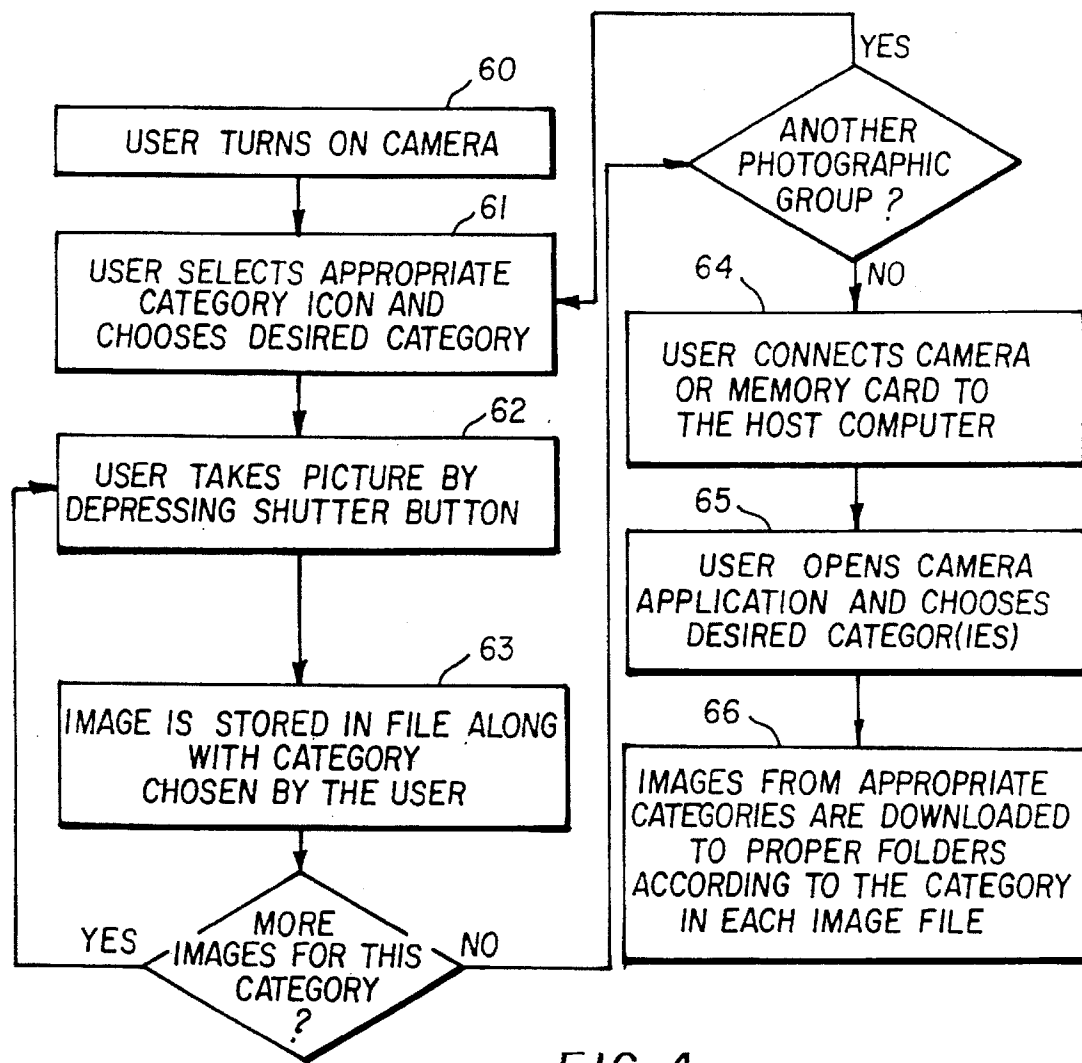


FIG. 4

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