

United States Patent [19]

Sasaki et al.

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[45] **Date of Patent:** May 21, 1991

[54] **ELECTRONIC STILL CAMERA AND IMAGE RECORDING METHOD THEREOF**

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[73] Assignee: **Kabushiki Kaisha Toshiba**, Kawasaki, Japan

[21] Appl. No.: **447,858**

[22] Filed: **Dec. 8, 1989**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 289,238, Dec. 23, 1988.

Foreign Application Priority Data

Dec. 25, 1987	[JP]	Japan	62-327174
Feb. 2, 1989	[JP]	Japan	1-22521
Mar. 22, 1989	[JP]	Japan	1-67606
Mar. 22, 1989	[JP]	Japan	1-67607

[51] Int. Cl.⁵ **H04N 5/30**

[52] U.S. Cl. **358/209; 358/335; 358/909**

[58] **Field of Search** 358/909, 209, 213.16, 358/213.25, 41, 12, 13, 133, 105, 906, 335

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,489,351	12/1984	d'Alayer de Costemore	
		d'Arc	358/909
4,745,474	5/1988	Schiff	358/105

4,758,883	7/1988	Kawahara et al.	358/335
4,802,003	1/1989	Takei et al.	358/12
4,837,628	6/1989	Sasaki	358/909
4,918,523	4/1990	Simon et al.	358/12

FOREIGN PATENT DOCUMENTS

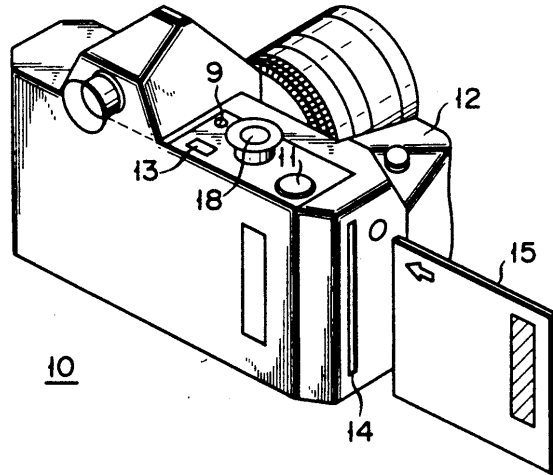
0289944	11/1988	European Pat. Off.	
0269581	11/1987	Japan	
0224561	9/1988	Japan	
0284987	11/1988	Japan	

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Attorney, Agent, or Firm—Oblon, Spivak, McClelland, Maier & Neustadt

[57] **ABSTRACT**

An electronic still camera has a memory card, which is detachably provided, for recording photographed image data. The electronic still camera comprises a data compression unit for compressing image data to be recorded, a mode selection unit provided in association with the data compression unit to select a recording mode or compression mode, a buffer memory for once storing the image data compressed in the compression mode selected by the mode selection unit, and a determination unit for determining whether or not the image data stored in the buffer memory can be recorded on the recording medium. In the electronic still camera, when the image data was determined to be unrecordable by the determination unit, the image data stored in the memory is stored in the buffer memory till the recording medias assumes a recordable state.

18 Claims, 23 Drawing Sheets



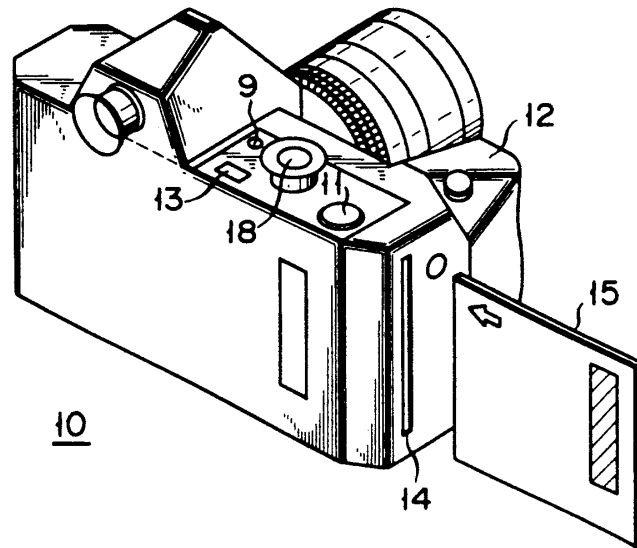


FIG. 1

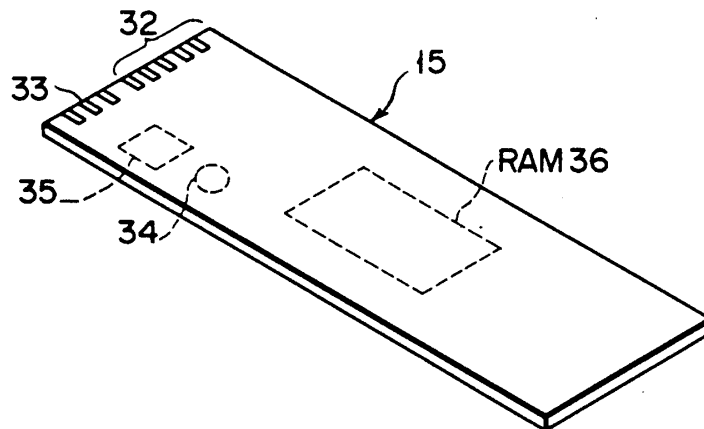


FIG. 3

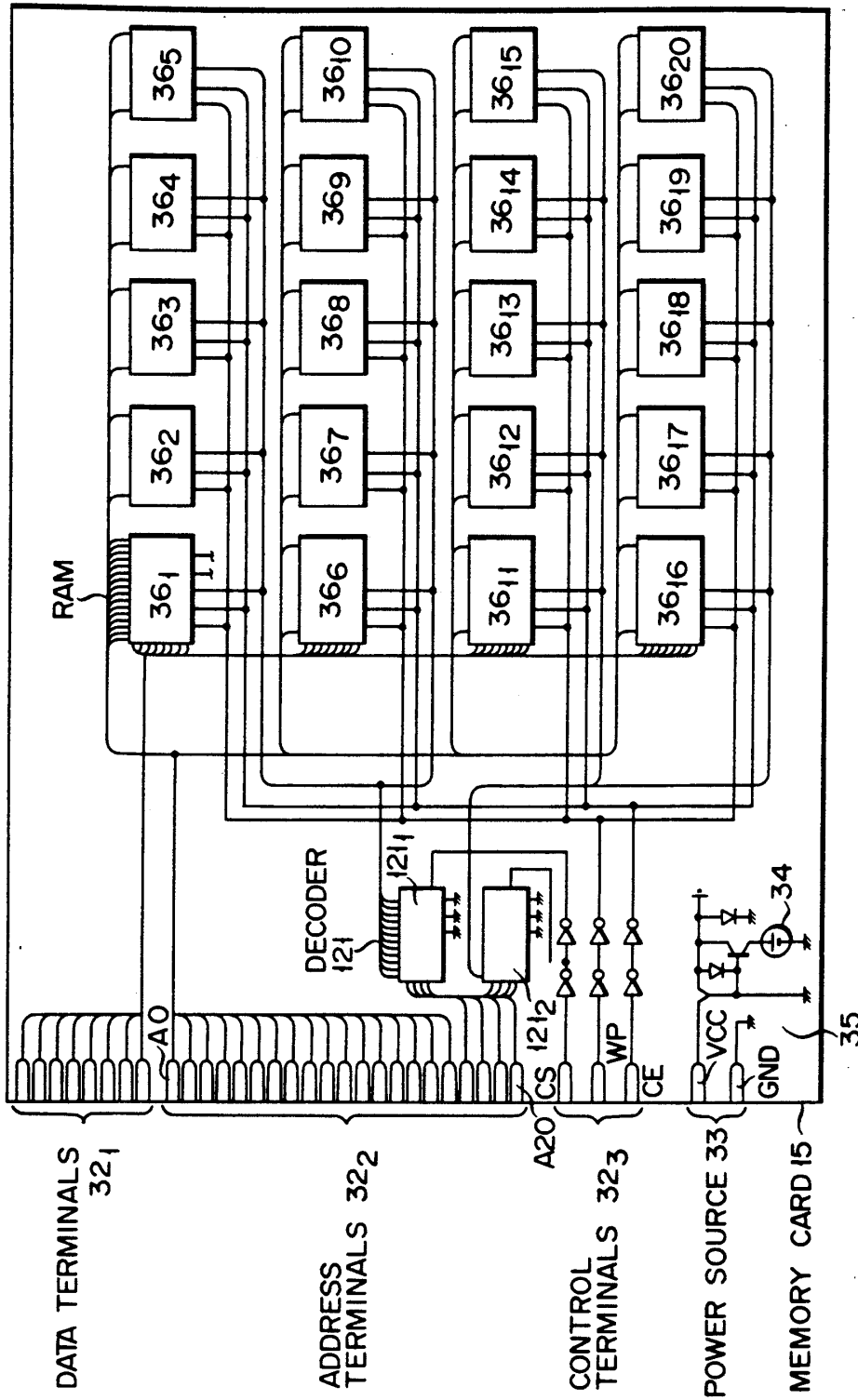


FIG. 4

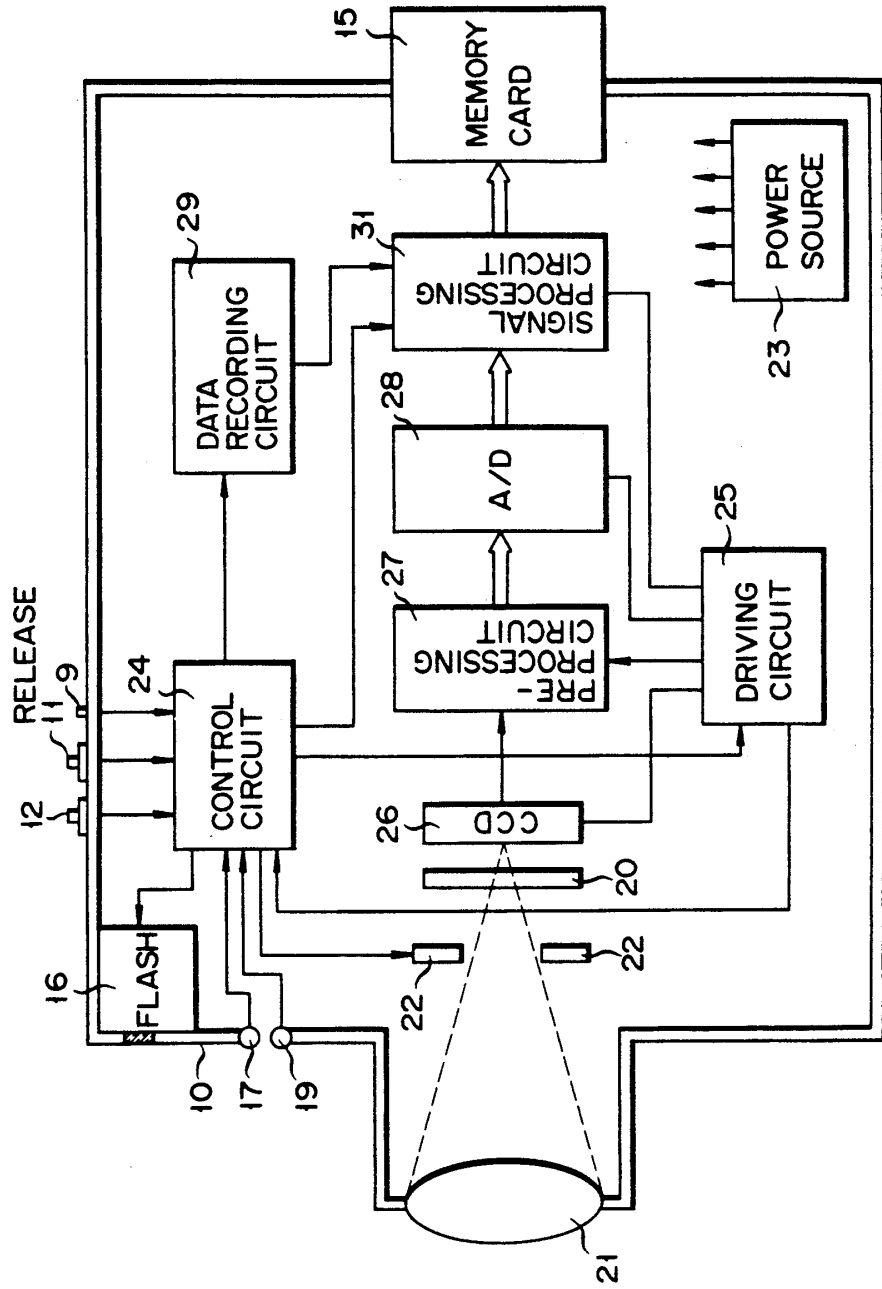


FIG. 2

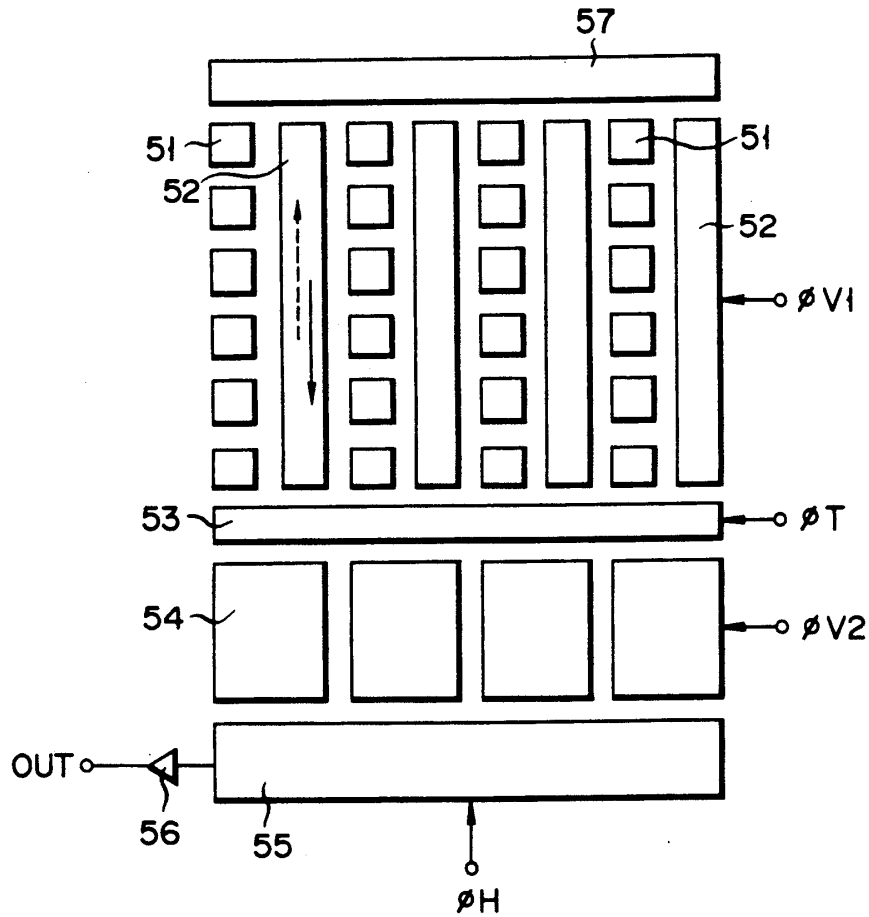


FIG. 5

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