



US006118480A

# United States Patent [19]

[11] Patent Number: **6,118,480**

Anderson et al.

[45] Date of Patent: **\*Sep. 12, 2000**

[54] **METHOD AND APPARATUS FOR INTEGRATING A DIGITAL CAMERA USER INTERFACE ACROSS MULTIPLE OPERATING MODES**

5,630,017	5/1997	Gasper et al.	395/173
5,742,504	4/1998	Meyer et al.	395/94
5,748,831	5/1998	Kubo	386/46
5,796,428	8/1998	Matsumoto et al.	348/231
5,819,103	10/1998	Endoh et al.	395/821
5,822,492	10/1998	Wakui et al.	386/107
5,845,166	12/1998	Fellegara et al.	348/64
5,861,918	1/1999	Anderson et al.	348/233
5,940,121	8/1999	Mcintyre et al.	348/207

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[73] Assignee: **FlashPoint Technology, Inc.**, San Jose, Calif.

### FOREIGN PATENT DOCUMENTS

8223524	8/1996	Japan	H04N 5/225
9220186	11/1992	WIPO	H04N 5/262

[\*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

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[21] Appl. No.: **08/851,667**

### [57] ABSTRACT

[22] Filed: **May 6, 1997**

A method and apparatus for integrating a user interface across multiple operating modes of a digital camera including a display. When the digital camera is placed into each one of the multiple operating modes, mode-specific items corresponding to that mode are displayed on the display. The digital camera includes a first button and a second button for interacting with the multiple operating modes, where the first button has a first orientation, and the second button has a second orientation. The method and apparatus includes mapping an aligned set of mode-specific items in the display to the orientation of the first button. After the mode-specific items are displayed, the user scrolls from one mode-specific item to the next in the aligned set by pressing the first button and the display indicates which of the mode-specific items is a currently active item. When a mode-specific item becomes the active item, additional information corresponding to the currently active item is displayed in the display in a location offset from the active item in a direction of orientation corresponding to that of the second button.

[51] Int. Cl.<sup>7</sup> ..... **H04N 5/222**

[52] U.S. Cl. .... **348/207**

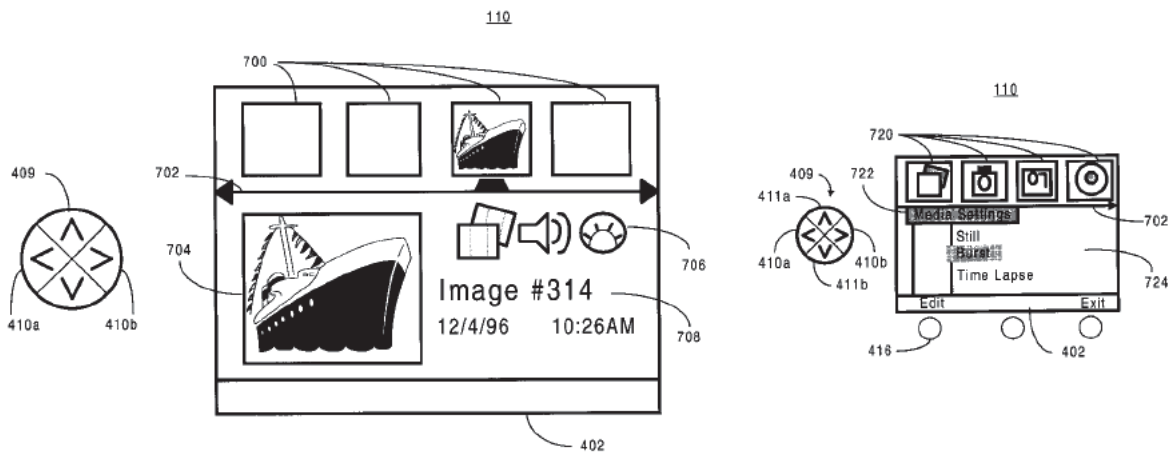
[58] Field of Search ..... 348/333, 334, 348/373, 375, 376, 552, 232, 233, 211, 231, 222, 207, 239; 358/906, 909.1

### [56] References Cited

#### U.S. PATENT DOCUMENTS

4,935,809	6/1990	Hayashi et al.	358/527
4,982,291	1/1991	Kurahashi et al.	386/70
5,138,460	8/1992	Egawa	358/909.1
5,146,353	9/1992	Isoguchi et al.	358/909.1
5,335,072	8/1994	Tanaka et al.	
5,404,316	4/1995	Klingler et al.	364/514
5,473,370	12/1995	Moronaga et al.	348/231
5,513,306	4/1996	Mills et al.	395/148
5,517,606	5/1996	Matheny et al.	395/156
5,553,277	9/1996	Hirano et al.	395/139

**31 Claims, 11 Drawing Sheets**



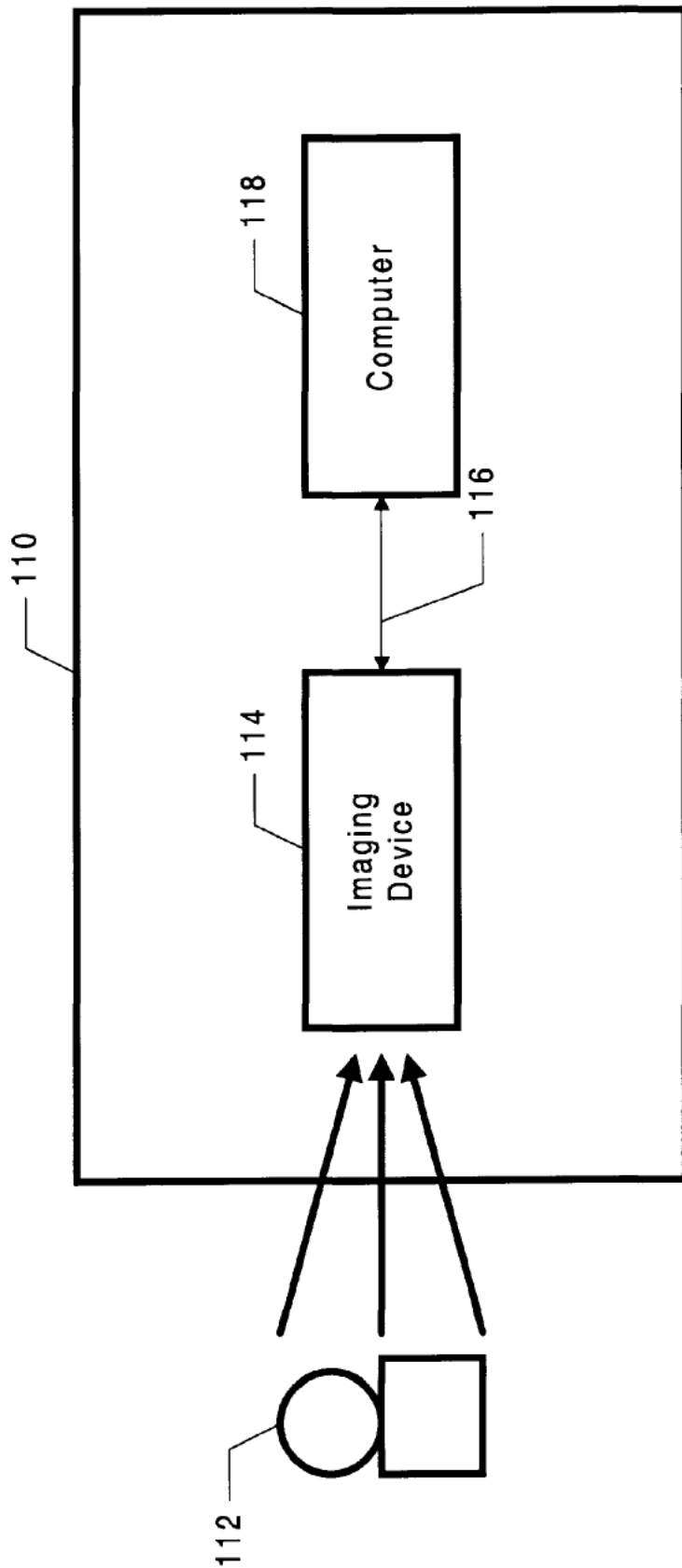


FIG. 1

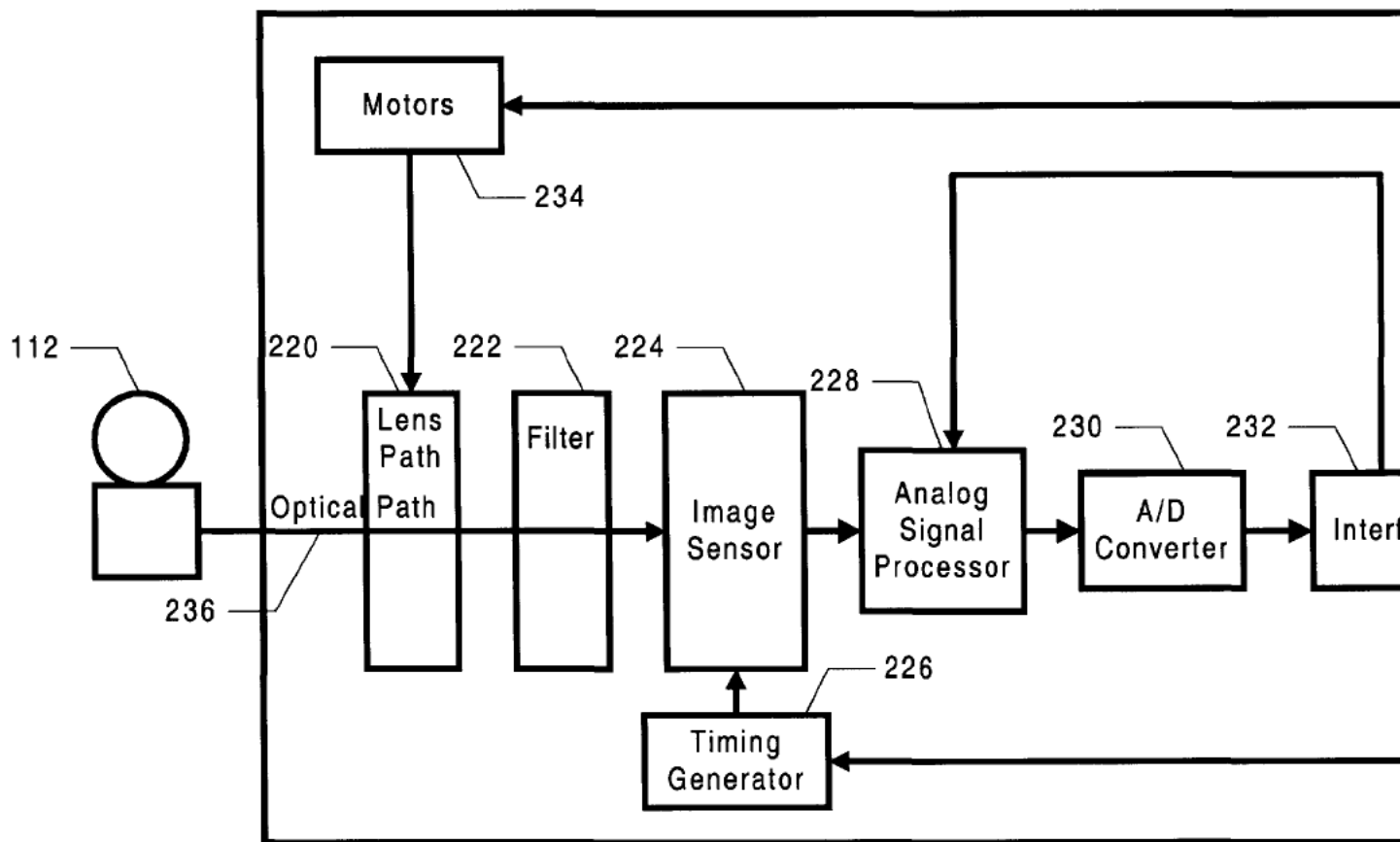
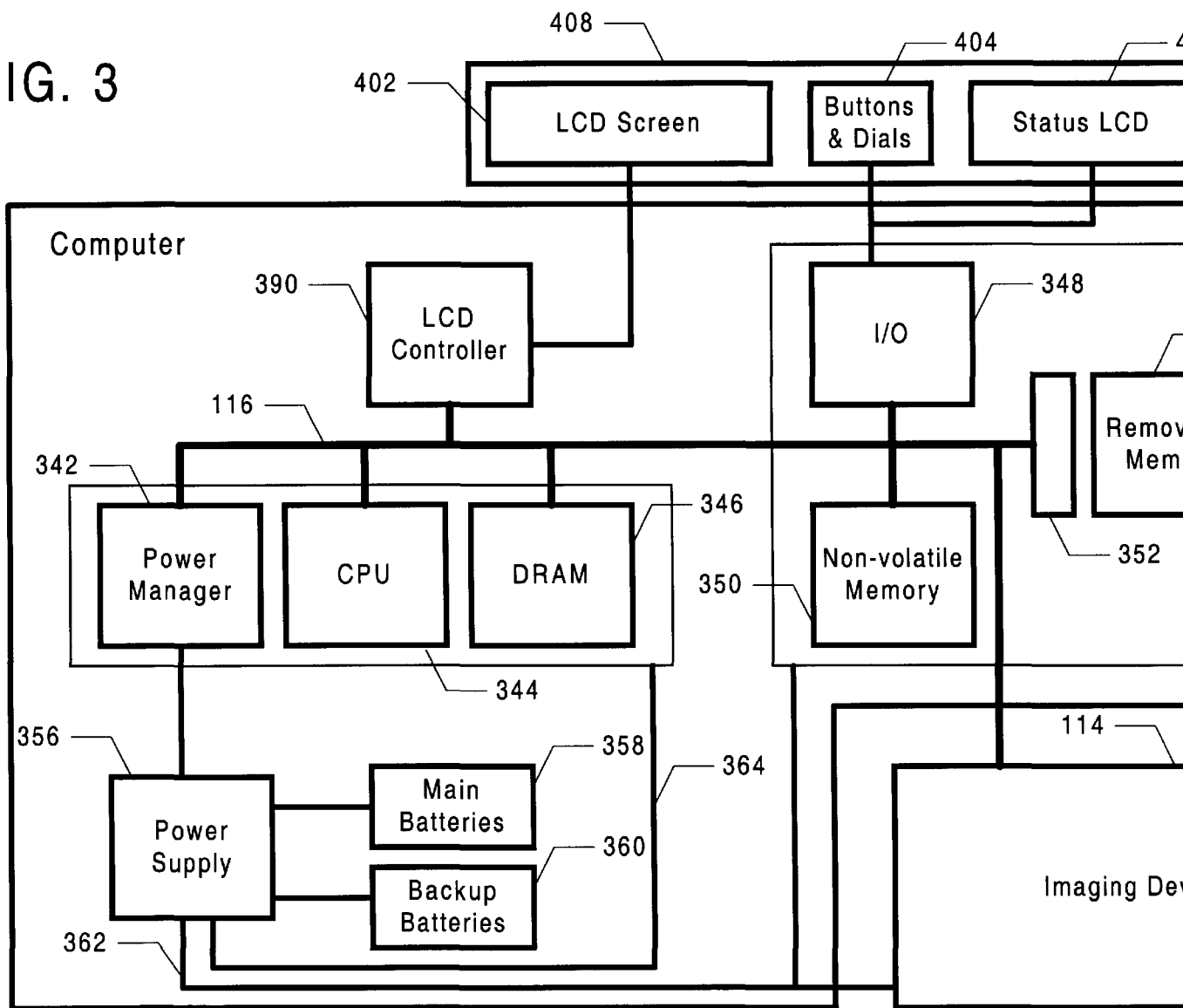


FIG. 2

FIG. 3



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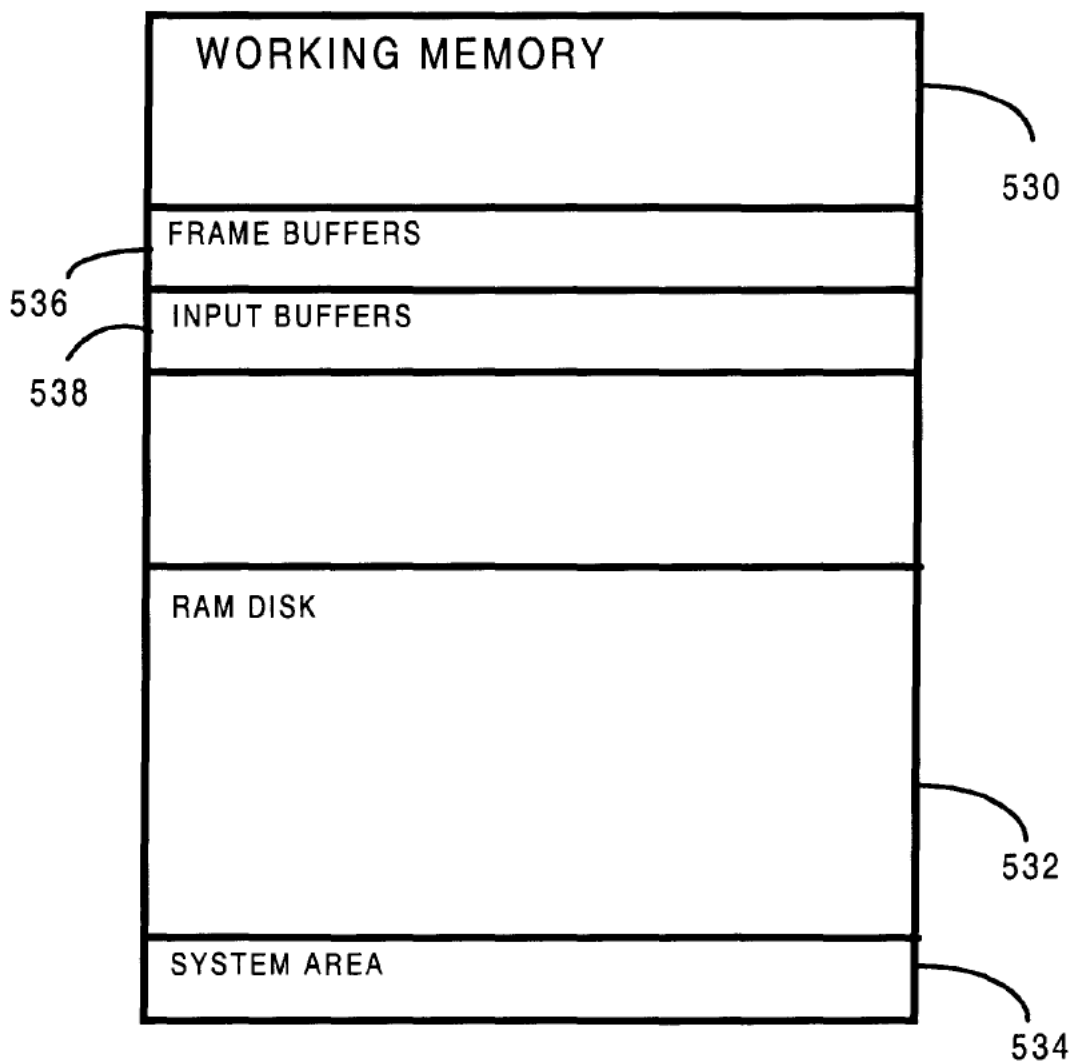


FIG. 4A

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