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United States Patent [19]

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Anderson et al.

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

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

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[*] 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.⁷ **H04N 5/222**

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

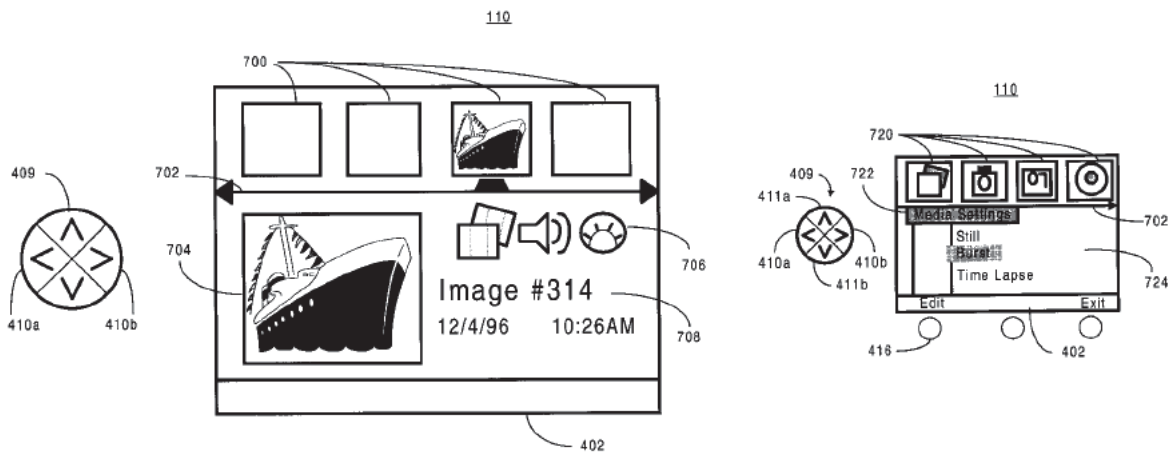
[58] Field of Search 348/333, 334, 348/373, 375, 376, 552, 232, 233, 211, 231, 222, 207, 239; 358/906, 909.1

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31 Claims, 11 Drawing Sheets



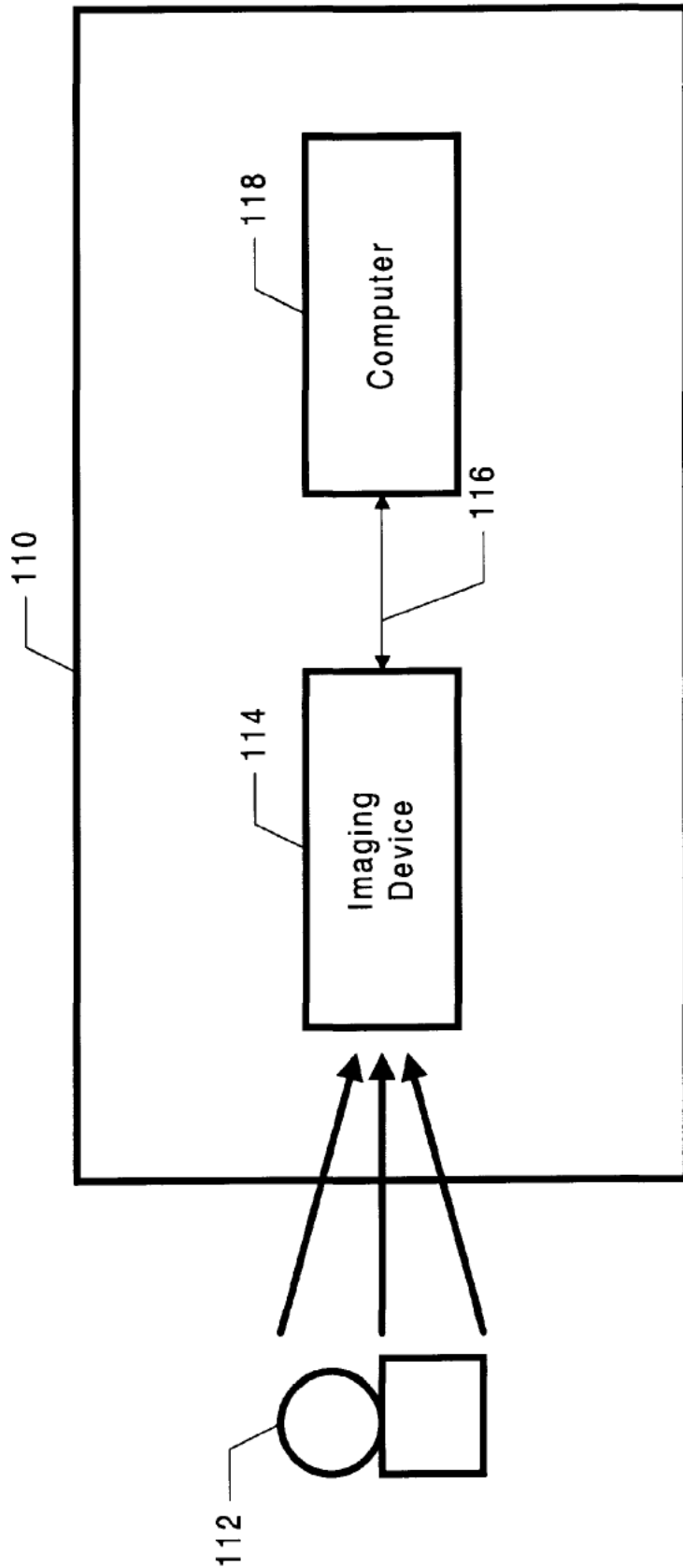


FIG. 1

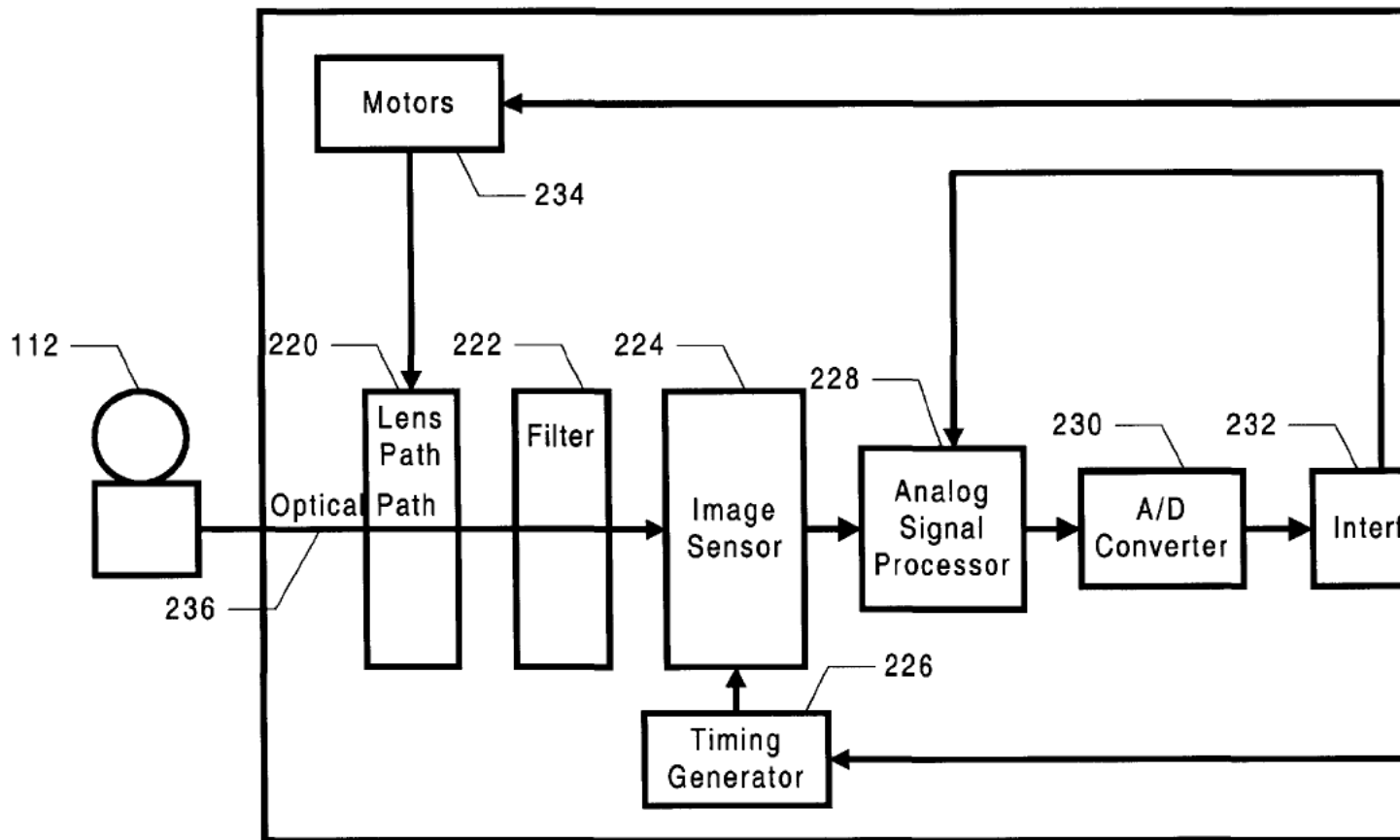
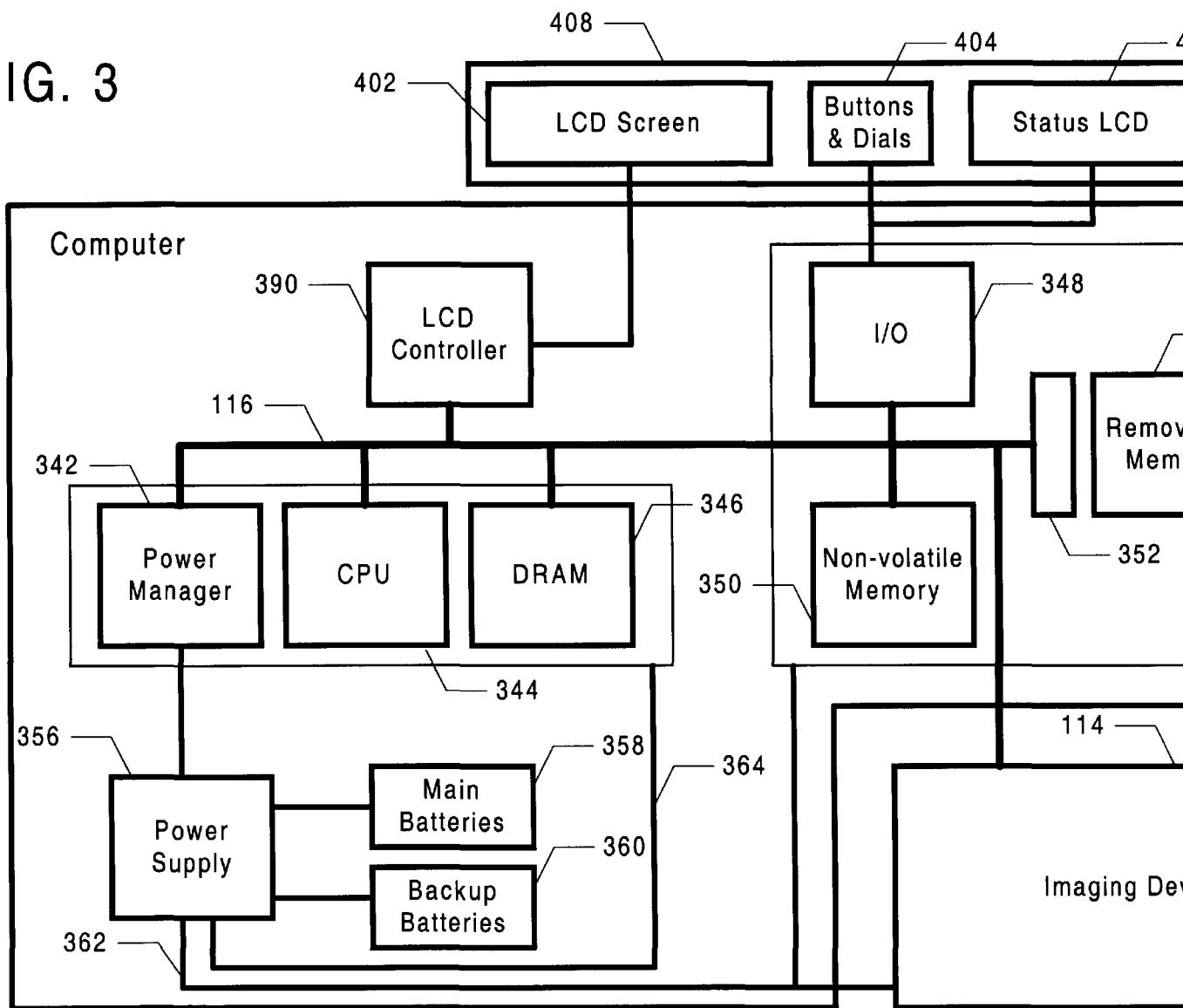


FIG. 2

FIG. 3



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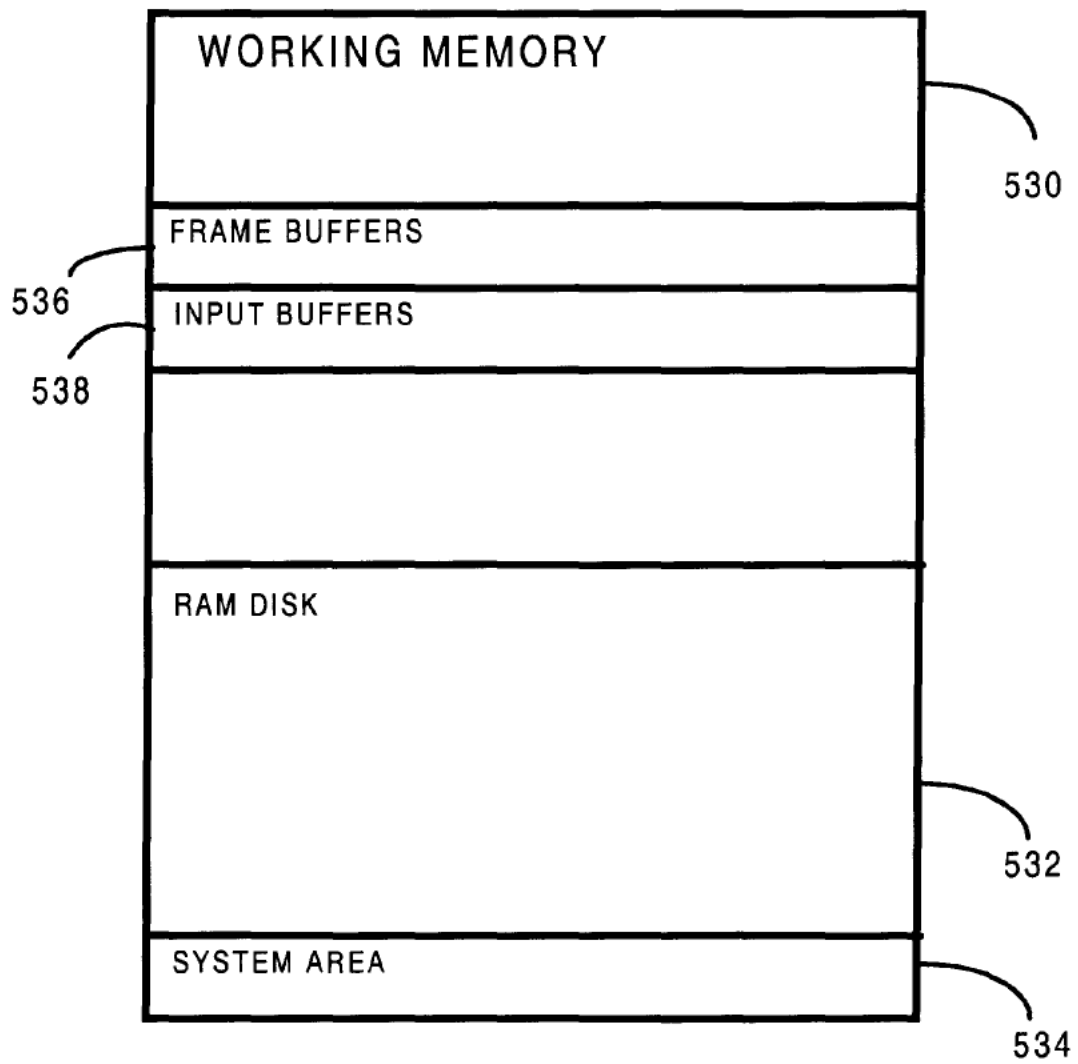


FIG. 4A

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