



# United States Patent [19]

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Koziuk et al.

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[54] **METHOD AND APPARATUS FOR MANAGING POWER CONSUMPTION OF A DIGITIZING PANEL**

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[73] Assignee: **LSI Logic Corporation**, Milpitas, Calif.

[21] Appl. No.: **08/902,146**

[22] Filed: **Jul. 29, 1997**

[51] Int. Cl.<sup>7</sup> ..... **G06F 1/32**

[52] U.S. Cl. .... **713/320; 713/323; 713/340; 345/173**

[58] Field of Search ..... **713/320, 323, 713/321, 340; 345/173**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

4,370,733	1/1983	Gaudio	711/220
4,787,040	11/1988	Ames et al.	701/1
4,972,496	11/1990	Sklarew	382/187
5,329,625	7/1994	Kannan et al.	395/275

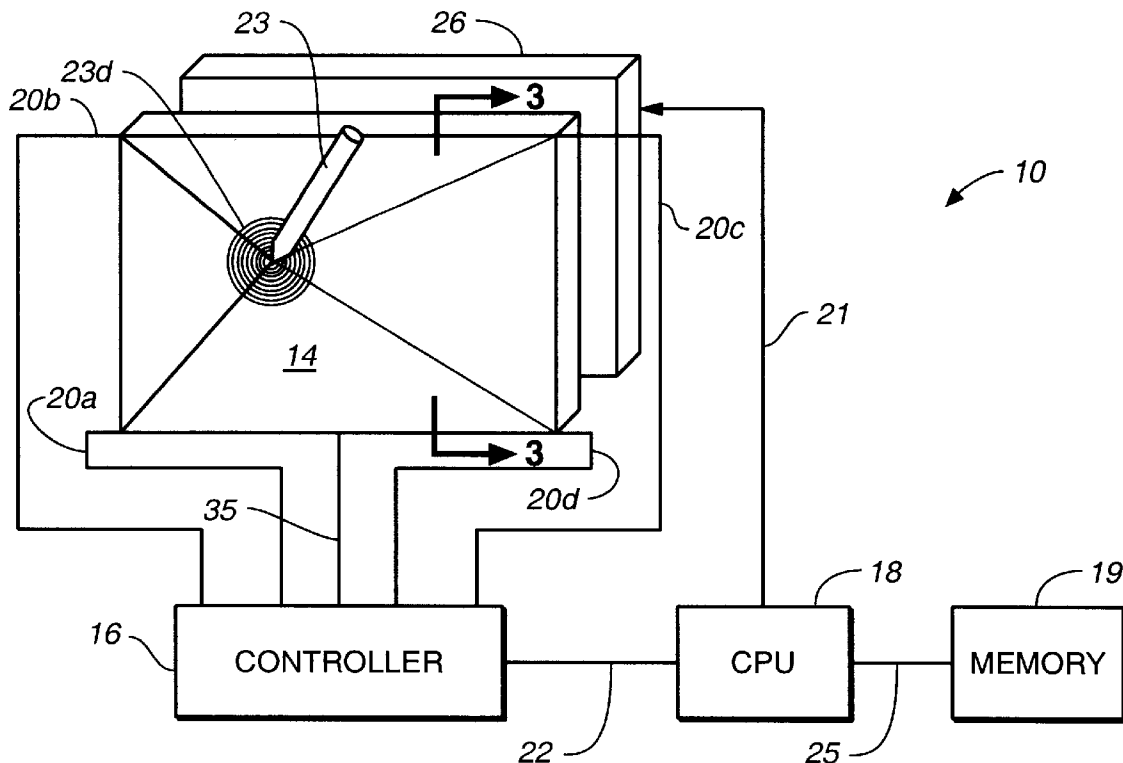
5,396,443	3/1995	Mese et al.	364/707
5,423,045	6/1995	Kannan et al.	395/750
5,524,249	6/1996	Suboh	395/750
5,548,765	8/1996	Tsunoda et al.	395/750
5,553,296	9/1996	Forrest et al.	395/750
5,568,409	10/1996	Neoh	364/702
5,777,604	7/1998	Okajima et al.	345/173
5,790,875	8/1998	Andersin et al.	713/321

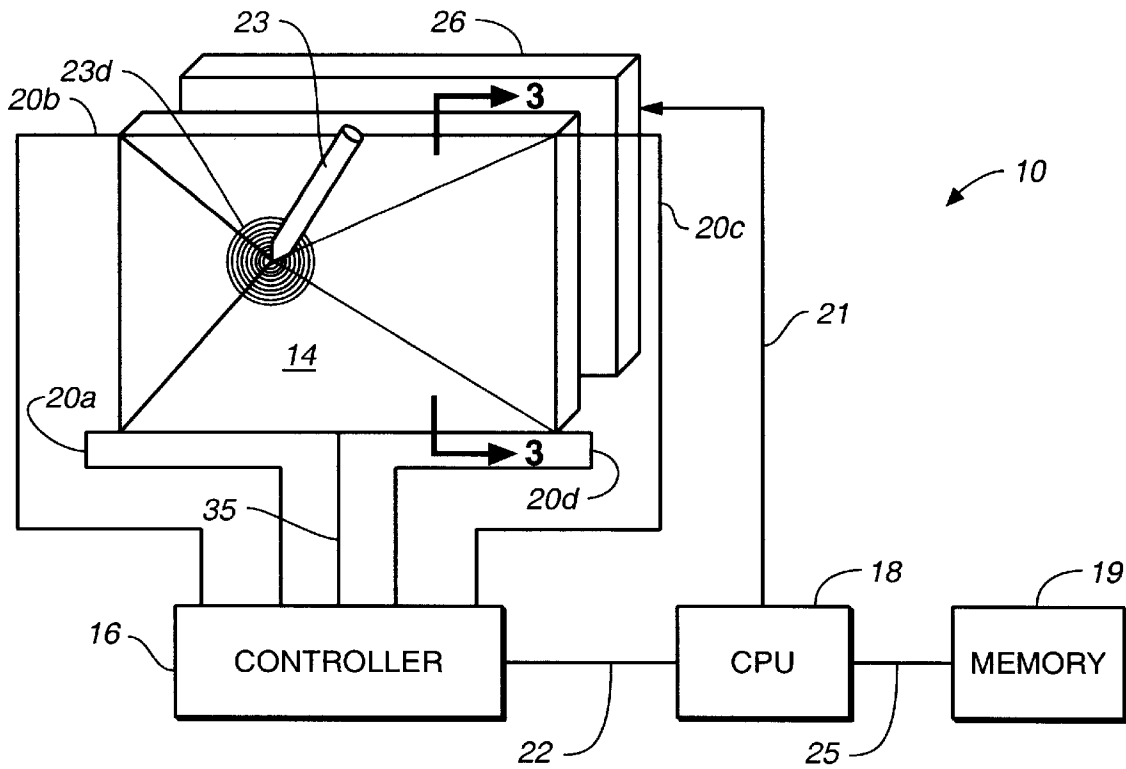
Primary Examiner—Xuan M. Thai

[57] **ABSTRACT**

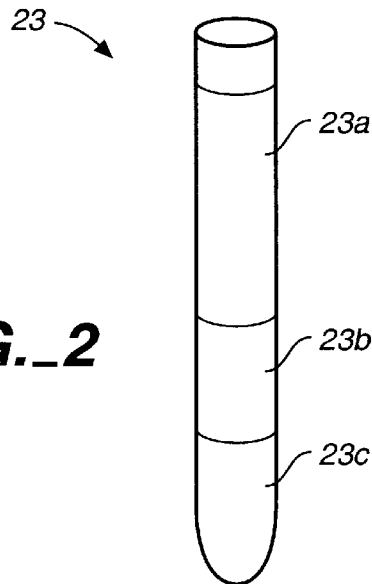
A method for managing power consumption of a digitizing panel includes the steps of: (a) applying a biasing voltage to the digitizing panel for a first period of time and ceasing to apply the biasing voltage to the digitizing panel for a second period of time; (b) determining whether a user has touched the digitizing panel during the first period of time; and (c) if the user has touched the digitizing panel during the first period of time, then applying a biasing voltage to the digitizing panel for a third period of time that is longer in duration than the first period of time and ceasing to apply the biasing voltage to the digitizing panel for a fourth period of time. An apparatus for implementing the method is also disclosed.

**25 Claims, 5 Drawing Sheets**





**FIG.\_1**



**FIG.\_2**

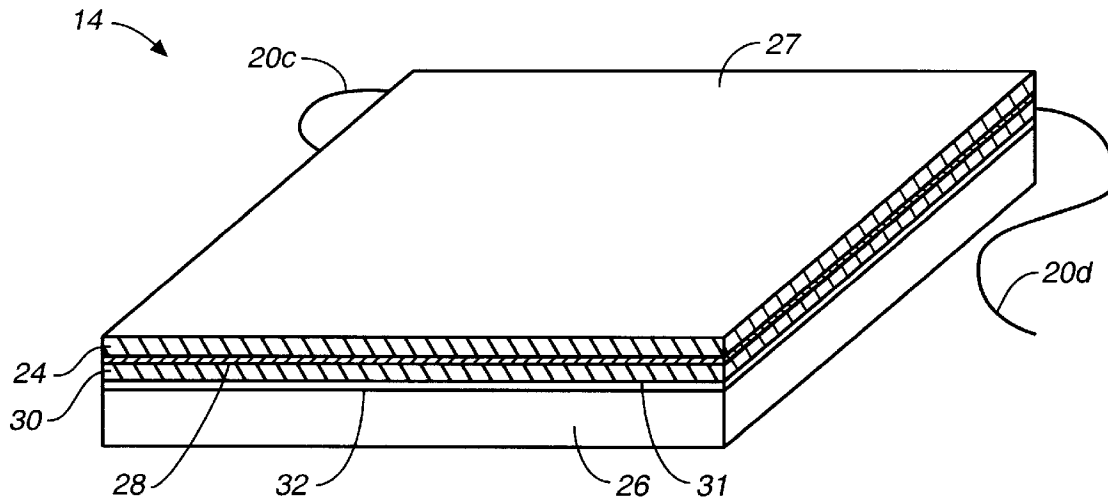


FIG.\_3

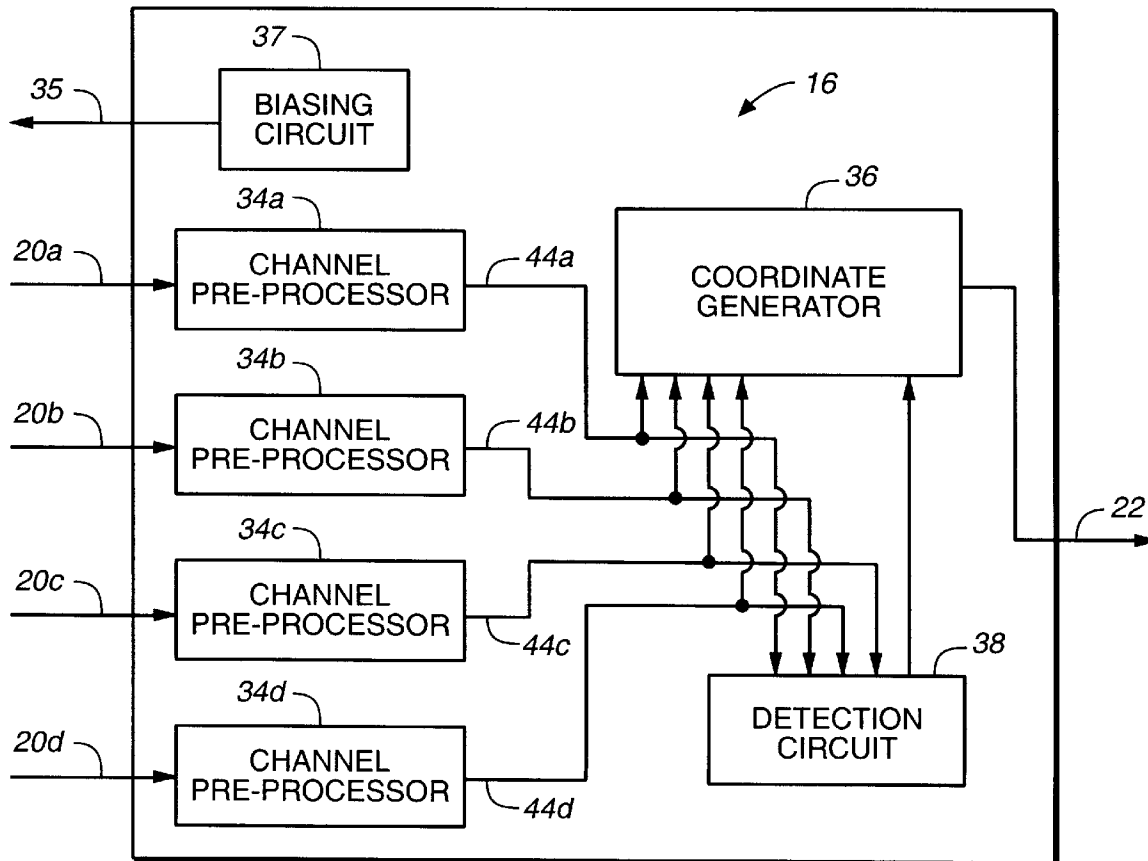
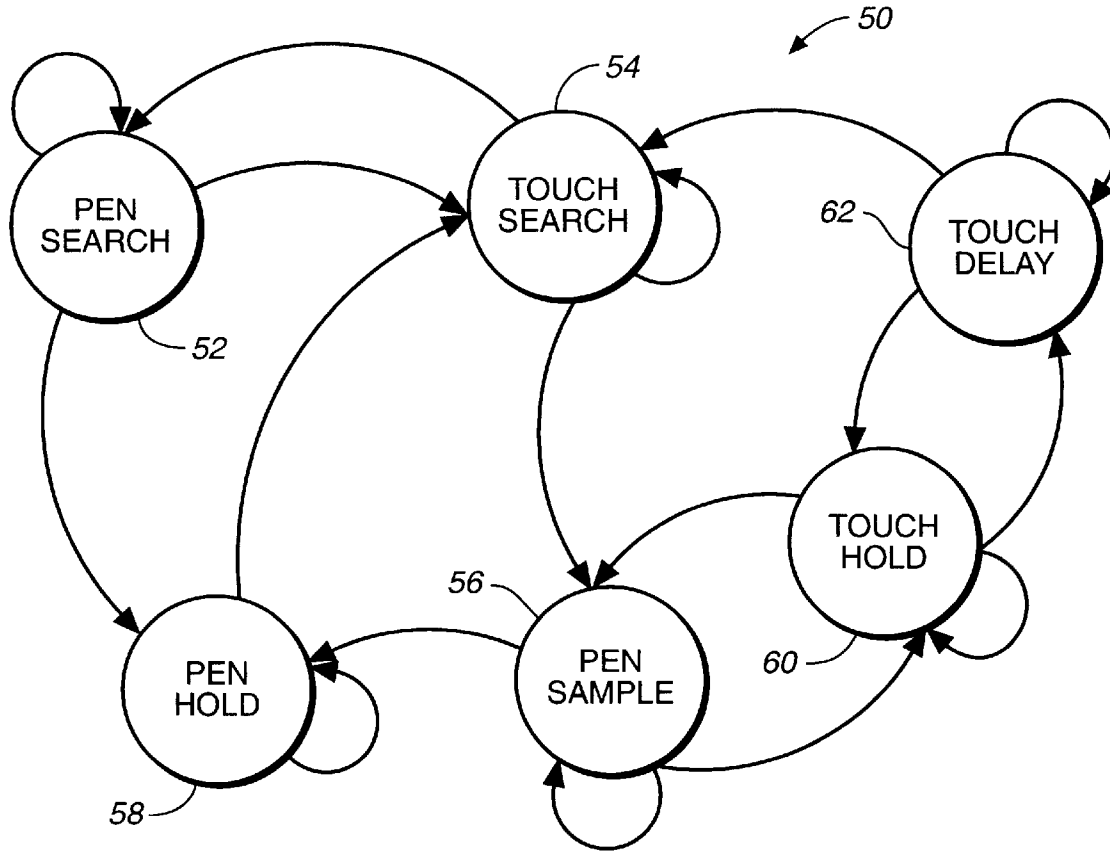


FIG.\_4



**FIG.\_5**

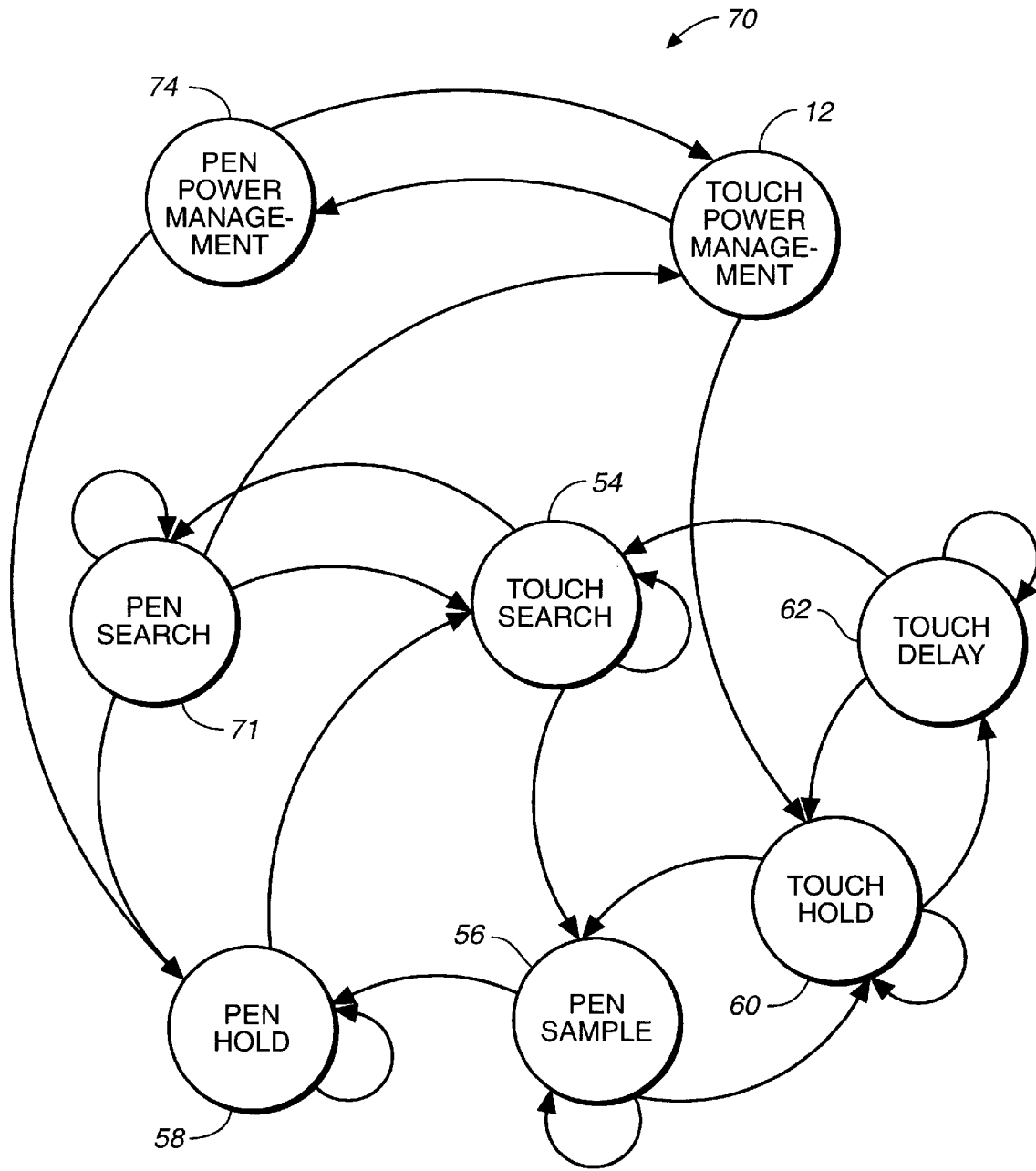


FIG.\_6

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