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United States Patent [19]

Hirayama

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[54] **POSITION CONTROL APPARATUS FOR DISPLAYING A WINDOW'S EFFECTIVE IMAGE AREA**

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[73] Assignee: **Sony Corporation**, Tokyo, Japan

[*] 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).

[21] Appl. No.: **07/831,953**

[22] Filed: **Feb. 6, 1992**

[30] **Foreign Application Priority Data**

Feb. 9, 1991 [JP] Japan P3-039286

[51] **Int. Cl.^{6}** **G06F 3/00**
[52] **U.S. Cl.** **345/342**
[58] **Field of Search** 395/157, 159; 345/121, 118, 179, 340–345

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[57] **ABSTRACT**

The effective display area of a window, in a window display apparatus, is corrected to prevent it from protruding beyond the visible area of the display. A coordinate data input device selects an icon and moves the icon to the display area to display a window image. Depending upon the location to which the icon is moved, correction of the resulting image may be necessary to ensure that the effective display area is shown. Once a window has been displayed, no correction is performed if the window is subsequently moved.
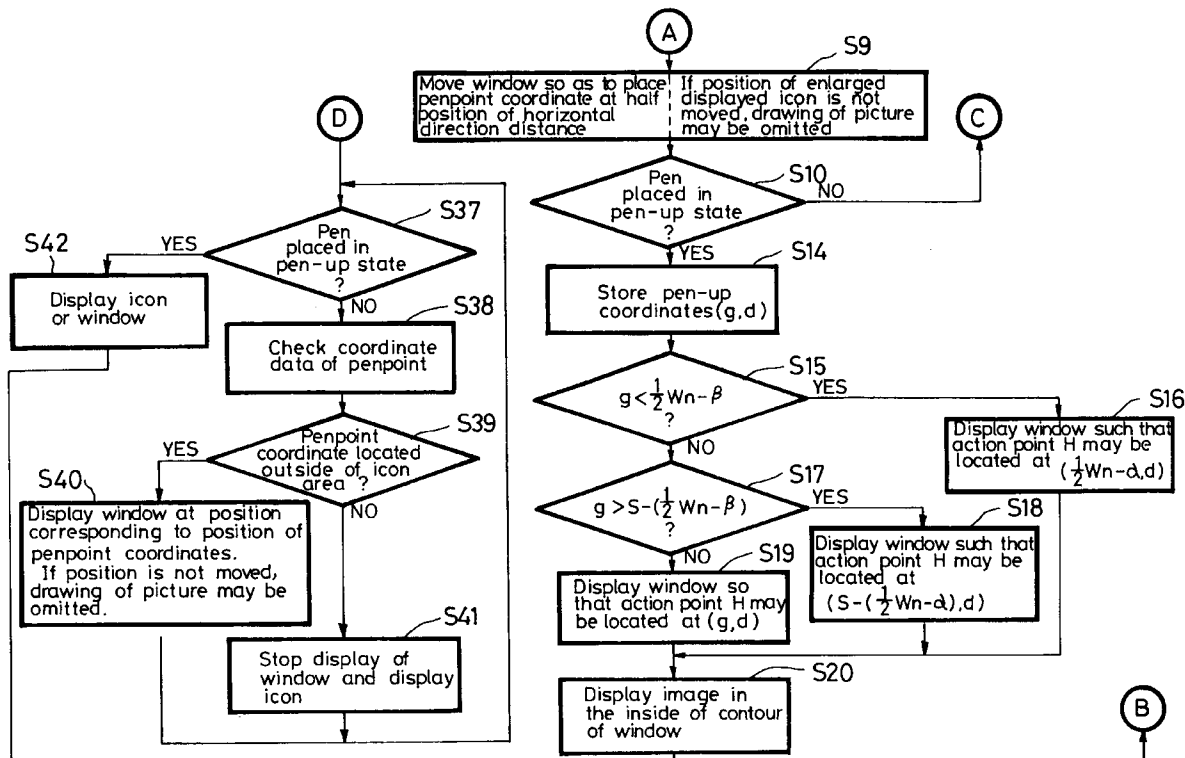
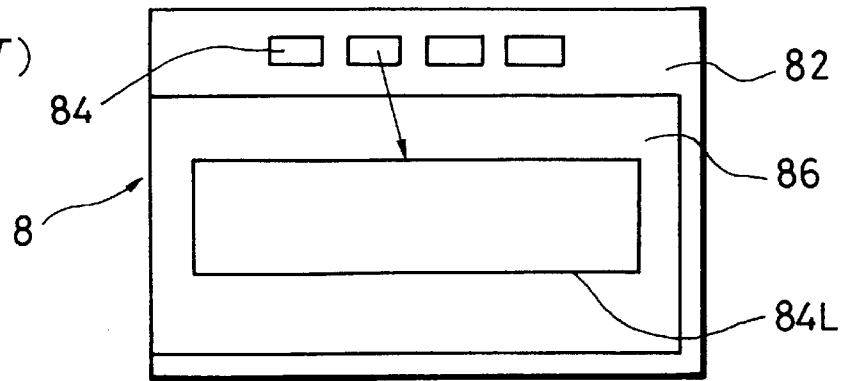**9 Claims, 17 Drawing Sheets**

FIG.1
(PRIOR ART)

84
82
86
8
84L
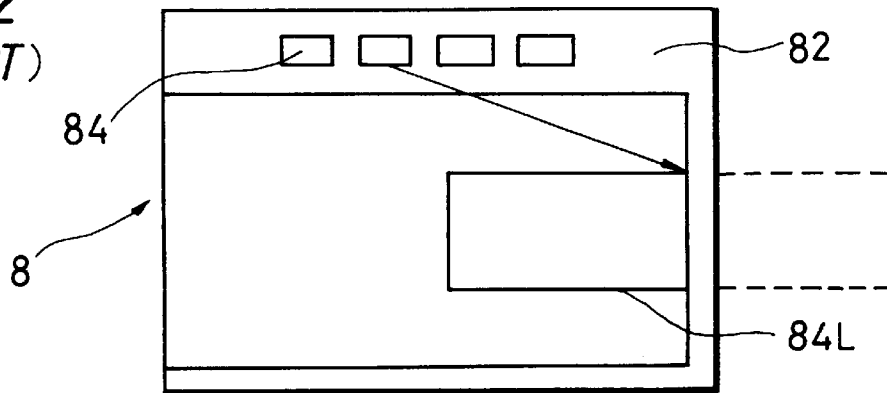
FIG.2
(PRIOR ART)

84
82
8
84L

FIG.3
(PRIOR ART)

84L
84C

FIG.4
(PRIOR ART)

84
82
8
84L
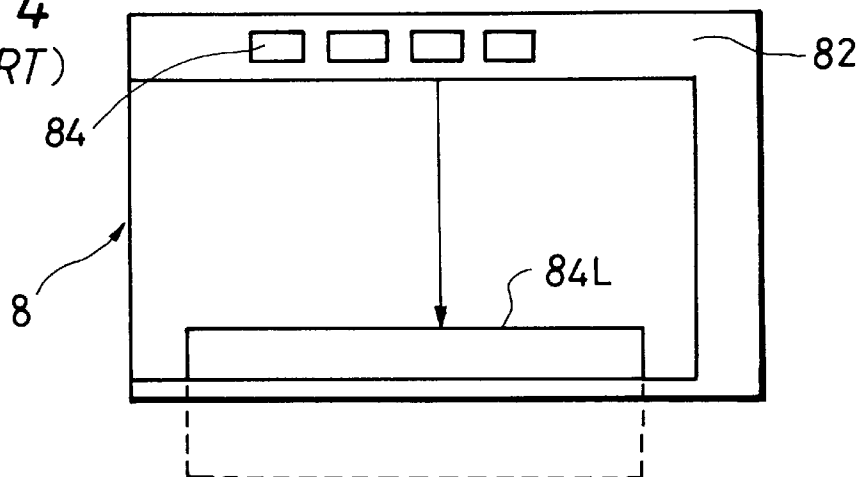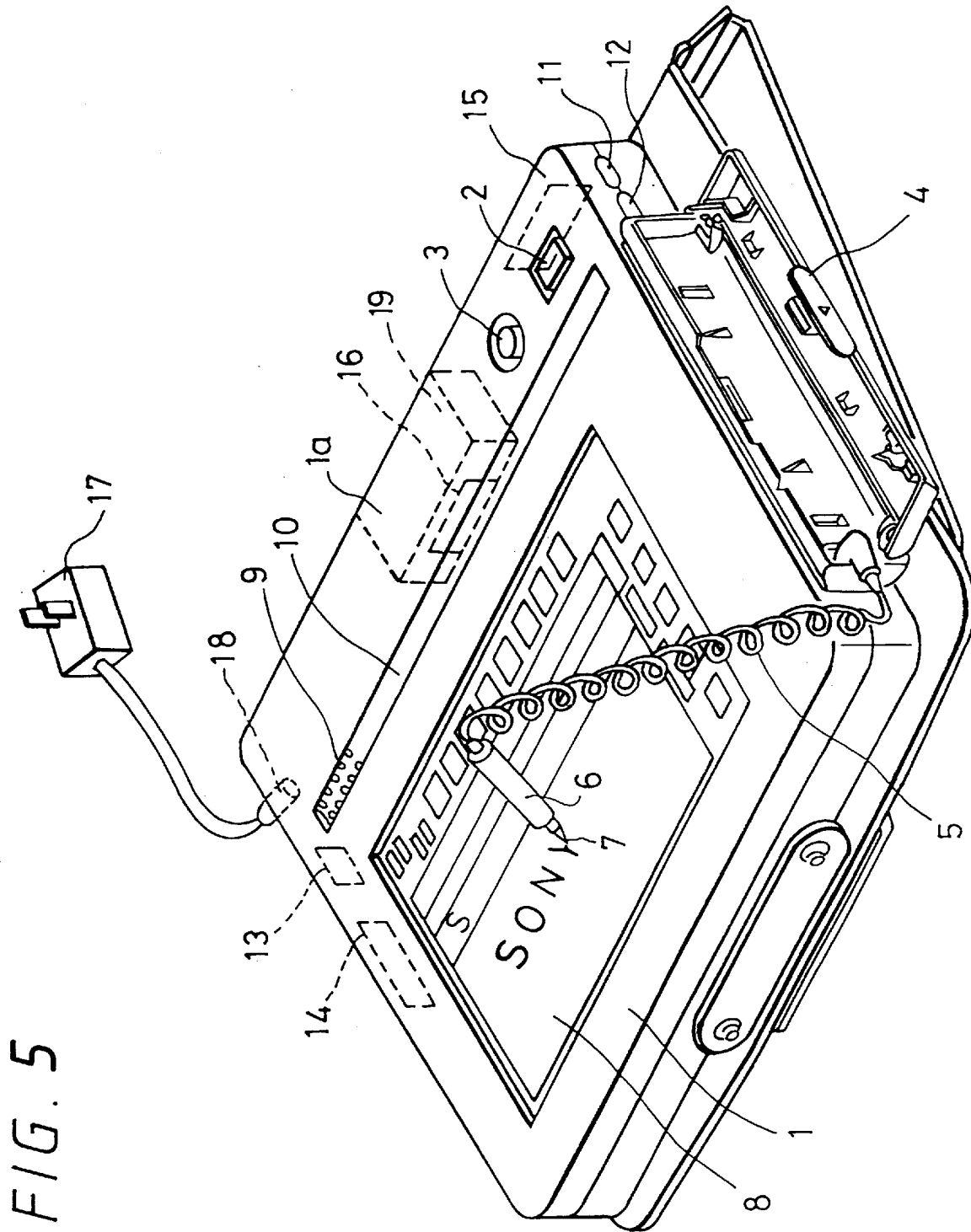
FIG. 5

F I G. 6

F I G. 7

FIG. 8

DOCKET ALARM
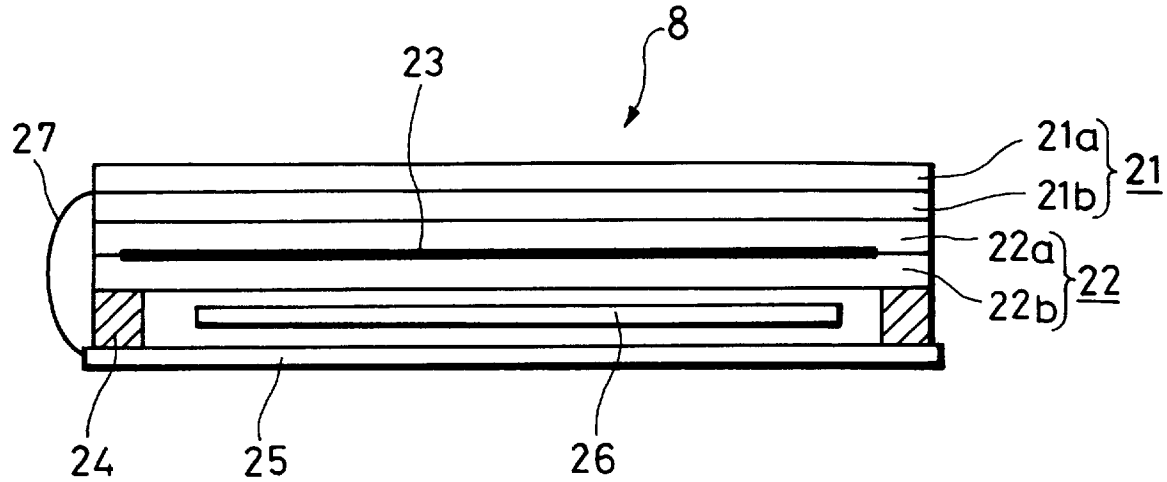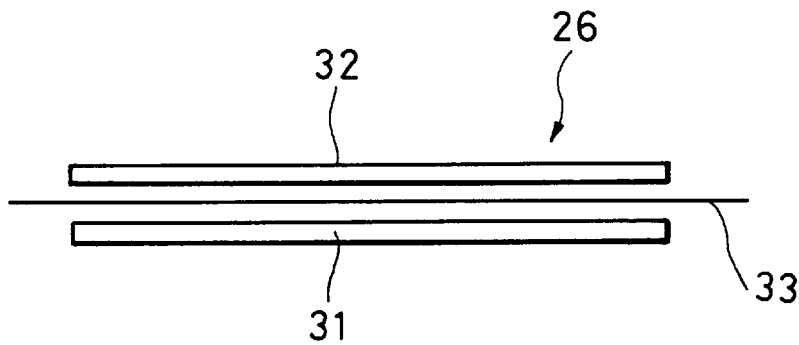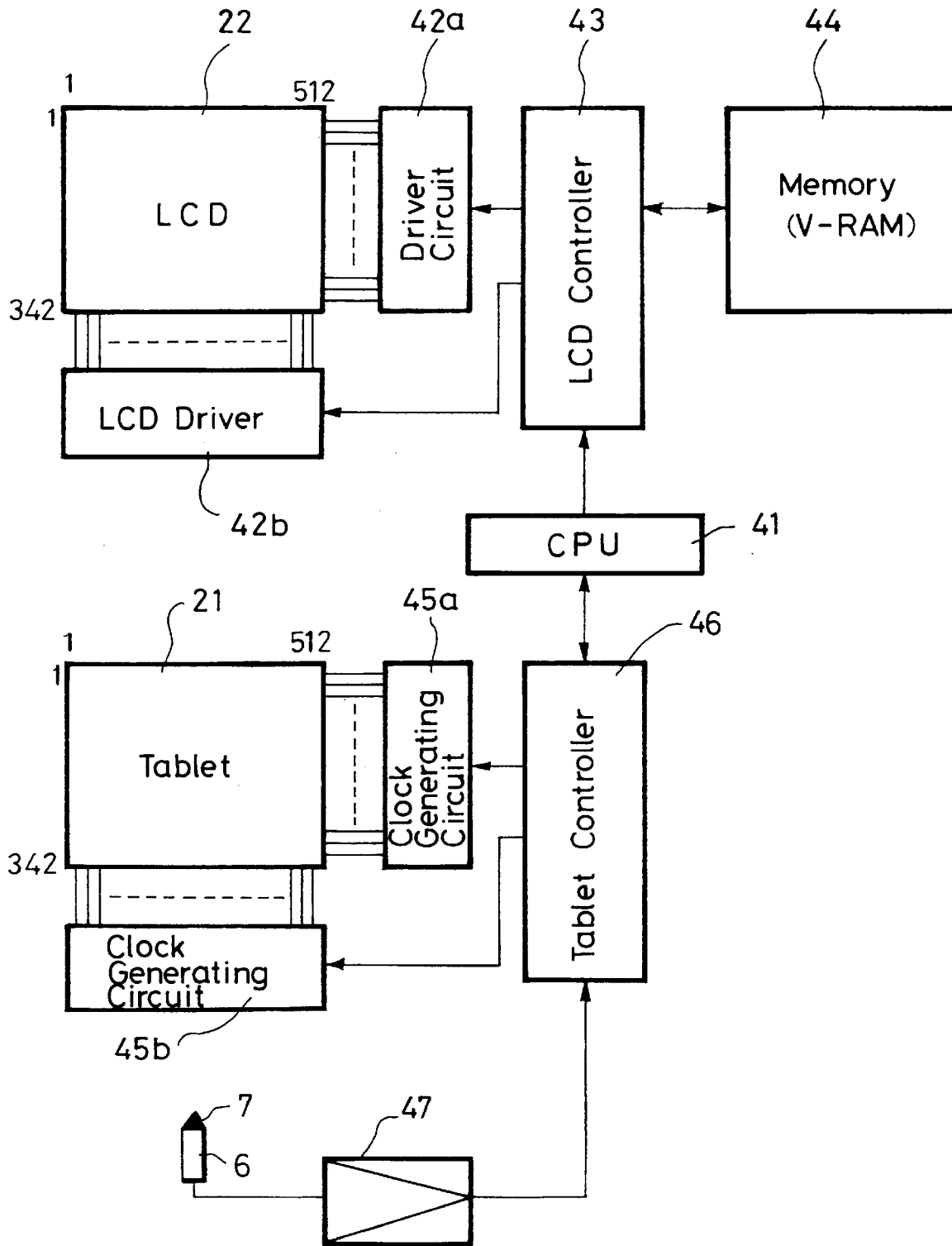
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