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Kalendra et al.

5,283,559 Patent Number: [11] Feb. 1, 1994

[54]	AUTOMATIC CALIBRATION OF A CAPACITIVE TOUCH SCREEN USED WITH A FIXED ELEMENT FLAT SCREEN DISPLAY PANEL		
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[51]	Int. Cl.5	 	G 0	9G 5	/00
[52]	U.S. Cl.	 345/	168;	345/	156

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				178/19				

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ABSTRACT

A touch screen display is automatically calibrated during periods of active use or extended periods of non-use. Calibration contacts are cemented or embedded to the surface of a touch sensitive panel, and electrically connected to a reference during calibration. The reference is either electrical ground or a resistive, capacitive, or inductive load.

19 Claims, 5 Drawing Sheets

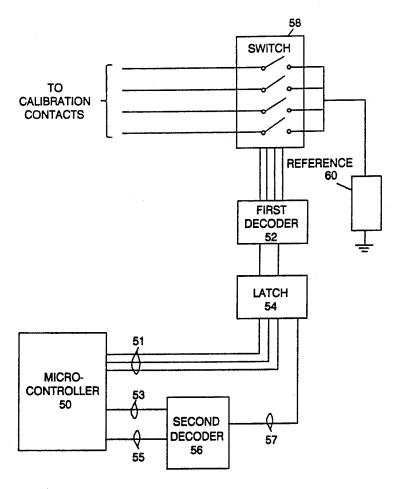




FIG. 1

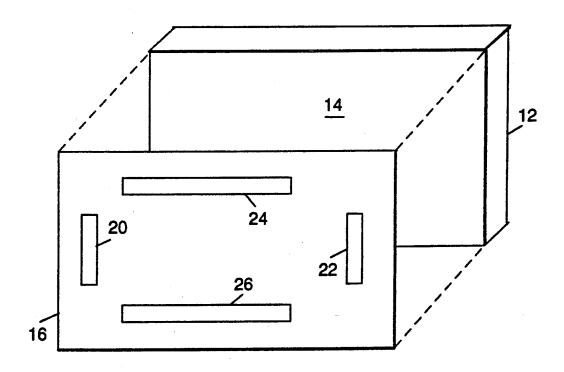


FIG. 2

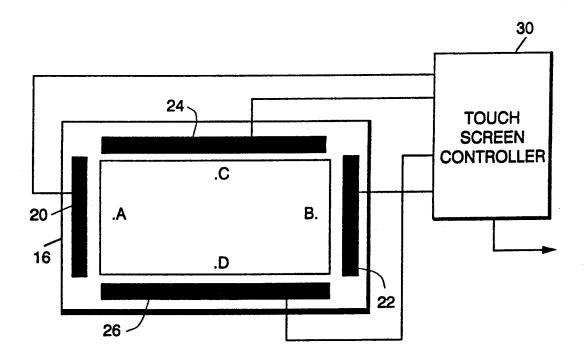


FIG. 3

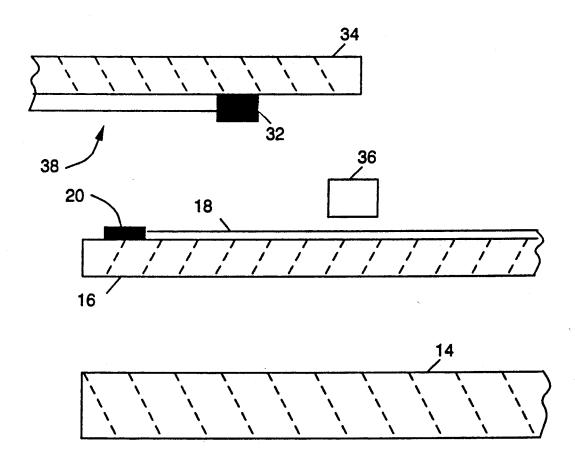
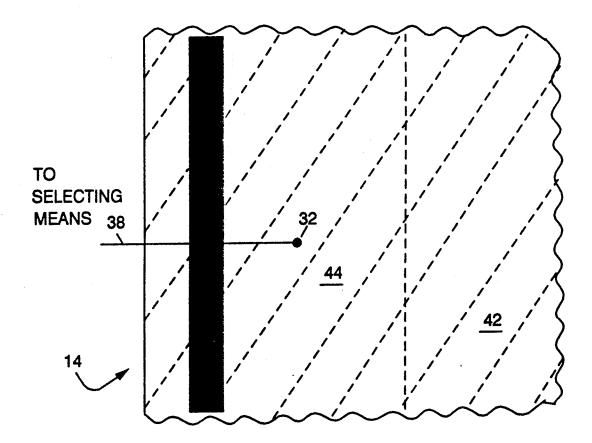


FIG. 4



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