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## United States Patent [19]

## Kalendra et al.

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[54]	AUTOMATIC CALIBRATION OF A CAPACITIVE TOUCH SCREEN USED WITH A FIXED ELEMENT FLAT SCREEN DISPLAY PANEL		
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[21]	Appl. No.:	947,688	
[22]	Filed:	Sep. 21, 1992	
[52]	Int. Cl. <sup>5</sup>		
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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

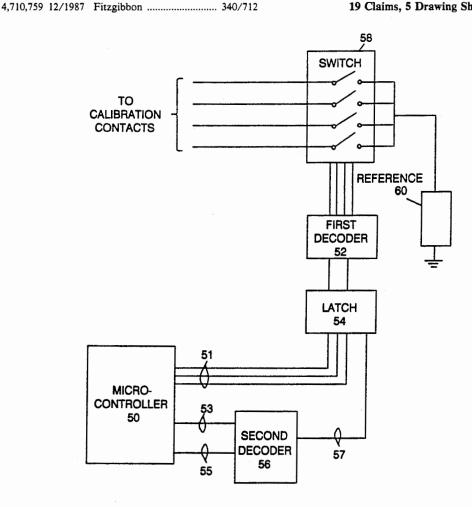




FIG. 1

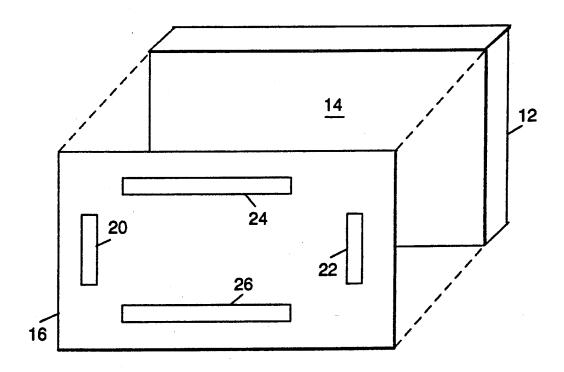


FIG. 2

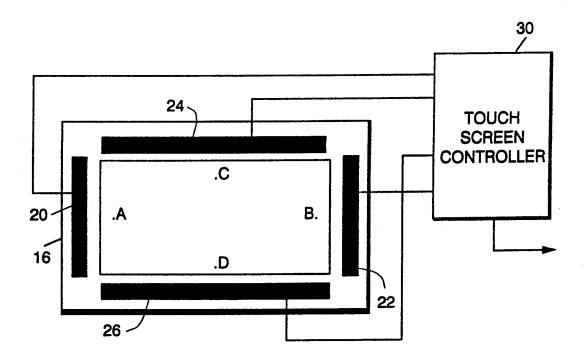


FIG. 3

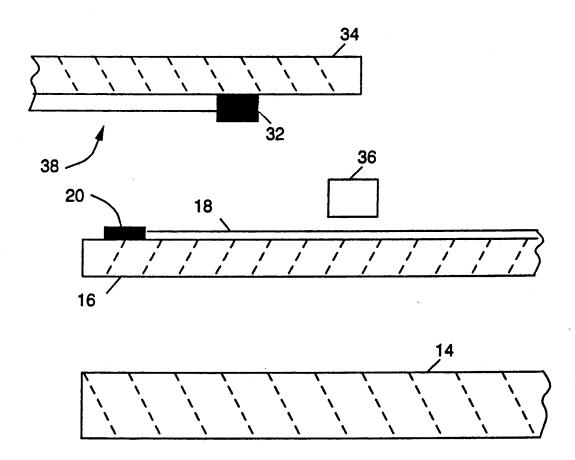
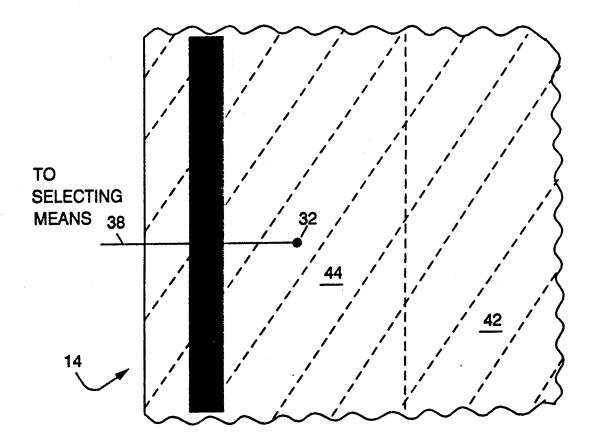


FIG. 4



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