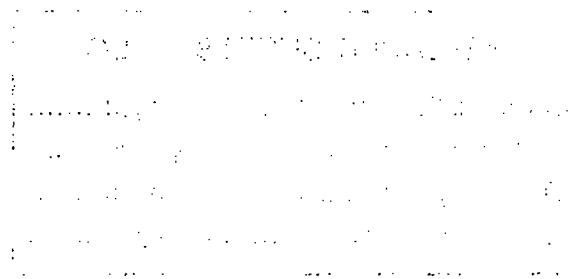


LCD TOUCH SCREEN

ABSTRACT

A touch screen (10) includes a liquid crystal display (LCD) having a viewing surface (23) through which light passes into and out of the display and a back surface comprising a translector (26) such as transfective film. The translector reflects some of the light back through the display and viewing surface and transmits some of the light. An array (28) of light dependent resistors (34) or equivalent light detecting devices underlie the translector and detect a change in the transmitted light caused by a touching of the viewing surface. The light detecting array may be integrated into a keyboard interface (42). In such a case, keys are displayed on the viewing surface opposite resistors in the array to indicate where the viewing surface must be touched to actuate the key.

(Fig. 1)



This Sheet Has Been Replaced

