TACTILE TOUCHSCREEN FOR ELECTRONIC DEVICE

ABSTRACT

A portable electronic device includes a housing; a touch-screen display constrained by the housing, the touch-screen display including a touch-sensitive input surface overlying a display device; a single mechanical switch disposed between a back surface of the touchscreen display and a base of the housing; and operational components including a processor within the housing and connected to the touchscreen display. The touchscreen display pivots relative to the housing about a pivot axis in response to application of sufficient force to an off-center location on the touchscreen. This pivoting results in the actuation of the single mechanical switch and the pivot axis depending on the location of application of the force.

Figure 2