TACTILE TOUCHSCREEN FOR ELECTRONIC DEVICE

ABSTRACT

A portable electronic device includes a housing with a front frame; a moveable touch-screen display framed by the front frame of the housing, the moveable touch-screen display including a touch-sensitive input surface overlying a display device, the front frame including corners curved outwardly away from the surface of the touchscreen display; a 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 moves or pivots relative to the housing about a pivot axis in response to application of sufficient force on the touchscreen. This movement or pivoting results in the actuation of the single mechanical switch and the pivot axis depending on the location of application of the force.

Figure 8