

**74.**An apparatus comprising: an input device to communicate an input signal to an electronic device, the input device having multiple positions; at least one actuator in communication with the input device to output a plurality of distinct tactile sensations to the input device; and at least one controller in communication with the input device to receive the input signal and to detect the position of the input device and in communication with the actuator to produce the distinct tactile sensations corresponding to the received input signal and the detected position of the input device.

**75.**The apparatus of claim 74, the actuator capable of varying the magnitude of the produced tactile sensation in accordance with the detected position of the input device.

**76.**The apparatus of claim 74, further comprising a plurality of input devices, each input device capable of communicating a unique input signal to the electronic device and having multiple positions, the actuator capable of producing the distinct tactile sensation corresponding to both the received input signal and the detected position of the associated input device.

**77.**The apparatus of claim 74, the input device associated with the selection of at least one function of the apparatus,

and the actuator further produces a function failure notification tactile sensation upon receipt of the input signal associated with the function and notification of failure of that function.

**78.**A mobile phone comprising the apparatus of claim 76.

**79.**The mobile phone of claim 78, comprising a keypad comprising the plurality of input devices.

**80.**The mobile phone of claim 78, the at least one actuator comprising a plurality of actuators, each actuator coupled to a separate input device.

**81.**The mobile phone of claim 78, comprising select keys associated with function input signals to activate a predetermined mobile phone function, the actuator to produce the tactile sensation associated with each mobile phone function upon receipt of the associated function input signal.

**82.**The mobile phone of claim 81, the actuator to produce a function failure notification tactile sensation upon receipt of a function input signal and notification of failure of that function.

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