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(54) **METHOD AND APPARATUS FOR PROVIDING A HAPTIC FEEDBACK SHAPE-CHANGING DISPLAY**

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(57) **ABSTRACT**

A haptic device includes a processor, a communication module coupled to the processor for receiving a shape input, and a housing for housing the communication module and including a deformable portion. The deformable portion includes a deformation actuator, and the processor provides a signal to the deformation actuator in response to the shape input to deform the housing. The shape of other areas of the device may also change in response to the signal. The shape changes may provide haptic effects, provide information, provide ergonomic changes, provide additional functionality, etc., to a user of the device.

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