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(54) **MULTIPLE MODE HAPTIC FEEDBACK SYSTEM**

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(57) **ABSTRACT**

A haptic effect device includes a housing and a touchscreen coupled to the housing through a suspension. An actuator is coupled to the touchscreen. The suspension is tuned so that when the actuator generates first vibrations at a first frequency, the first vibrations are substantially isolated from the housing and are applied on the touchscreen to simulate a mechanical button. Further, when the actuator generates second vibrations at a second frequency, the second vibrations are substantially passed through to the housing to create a vibratory alert.