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(54) DEVICE FOR DISPLAYING IN RESPONSE TO A SENSED MOTION

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(57)**ABSTRACT**

A device including a visual or audible signaling means and a motion sensor, and logic for activating or controlling the signaling means in response to a sensed motion according to an embedded logic is disclosed. The device may be used as a toy for amusement, and may be shaped like a play ball or as a handheld unit. The device may be powered from a battery, which may be charged from an AC power directly or contactless by using induction or by converting electrical energy from harvested kinetic energy. The embedded logic may activate or control the signaling means, predictably or randomly, in response to the sensed acceleration magnitude or direction, such as 10 sensing the crossing a preset threshold or sensing the peak value. The visual means may be a numeric display for displaying a value associated with the count of the number of times the threshold has been exceeded or the peak magnitude of the acceleration sensed.

