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

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(57) **ABSTRACT**

A device includes a 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. The device may be used as a toy, and may be shaped like a play ball or as a handheld unit. It may be powered from a battery, either chargeable from an AC power source 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 sensed acceleration magnitude or direction, such as sensing the crossing of 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.