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(57) **ABSTRACT**

A read circuit for capacitive sensors such as a MEMS microphones includes a sensor node configured to be coupled to a capacitive sensor to apply a bias voltage to the sensor and sense the capacitance value of the sensor wherein the voltage at the sensor node is indicative of the capacitance value of the capacitive sensor. A switch is provided between the sensor node and the intermediate node. A shock detector coupled to the sensor node and the switch asserts a shock signal to make the switch conductive in response to a shock applied to the capacitive sensor, and de-asserts the shock signal to make the switch non-conductive with a delay after the end of the shock applied to the capacitive sensor.

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