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(54) **SMART SEALING USING SENSORS AND CONDUCTIVE INKS**

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(57) **ABSTRACT**

A system for resisting tampering, comprising: a device comprising a printed circuit board within a housing; at least one tamper sensor; and a conductive ink electrically connected to the printed circuit board and forming a conductive path when applied to a material. The conductive path has a defined electrical property, such as resistance or conductance. The printed circuit board is configured to both measure any changes in the defined electrical property and trigger an alert to a gateway located outside of the system, such as by a Bluetooth Low energy interface. Methods of resisting tampering of a variety of articles using the disclosed system are also disclosed. Articles comprising the disclosed system are also disclosed.

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