

MEMS Sensor Enabled RFID System and Method for Operating the Same

US 20110163850 A1

ABSTRACT

An apparatus provides environmental monitoring of an item and includes an RFID tag, and a passive switch for sensing an environmental parameter to which the item is subjected, and coupled to the RFID tag so that a measurement of the sensed environmental parameter can be stored, the RFID tag for providing remote readout of the sensed environmental parameter. A method provides environmental monitoring of an item and includes the steps of sensing an environmental parameter to which the item is subjected with activation of a passive switch, storing a measurement of the sensed environmental parameter upon the event of activation of the passive switch, and providing remote readout of the measurement of the sensed environmental parameter with an RFID tag.