

Title (en)
POWER GENERATOR AS AN ALARM SENSOR

Title (de)
ENERGIEGENERATOR ALS ALARMSENSOR

Title (fr)
GENERATEUR D'ENERGIE EN TANT QUE CAPTEUR D'ALARME

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Application
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Abstract (en)
[origin: WO2007068585A1] The invention relates to a sensor for monitoring a measured variable, comprising an output unit for s sensor signal, said sensor signal being output as soon as the measured variable exceeds a threshold value. The aim of the invention is to create a simple and inexpensive threshold sensor which operates in an entirely wireless manner while being reliable regarding communication and power generation. Said aim is achieved by providing the sensor with a power generator which is used for generating power by means of the measured variable in order to supply the sensor with power. The inventive power generator at the same time represents the measuring transducer by simultaneously utilizing the measured variable to generate power so as to dispense with the need for a measuring transducer per se, the power generated in the power generator being the measure for the measured variable. The sensor works only when the measured variable is provided. The invention can be used for all measured variables which additionally allow power to be generated. Power is supplied self-sufficiently, and no wiring is required. Great reliability is ensured regardless of the fact that power is generated self-sufficiently as the variable that is to be measured also supplies the power for the sensor.

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