

Title (en)

SENSOR CAPABLE OF OPERATING OUTSIDE OF AMBIENT OPERATING TEMPERATURE LIMITS

Title (de)

AUSSERHALB VON GEGEBENEN TEMPERATURGRENZEN ARBEITSFÄHIGER SENSOR

Title (fr)

CAPTEUR POUVANT FONCTIONNER AU-DELA DE SES LIMITES DE TEMPERATURE AMBIANTE DE FONCTIONNEMENT

Publication

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Application

**EP 01948649 A 20010622**

Priority

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Abstract (en)

[origin: WO0201161A2] A sensor capable of operating in ambient temperatures that are either above or below operating systems specification comprises a transducer adapted to be coupled to a power supply for generating signals corresponding to and representative of the status of the targeted system. Signal conditioning means are coupled to the transducer and are responsive to generated signals. The signal conditioning means produces status signals in a format that is compatible with an information utilization device. A thermo electric module is attached to the signal conditioning means for changing the temperature of the signal conditioning means. In an alternative embodiment, the thermo electric module is connected to control the environment in which the signal conditioning means operate. The signal conditioning means are then able to operate in ambient temperatures that are outside of the normal operating parameters to which the signal conditioning means were originally designed.

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