

Title (en)

AN INTELLIGENT ELECTRONIC DEVICE FOR MONITORING NON-ELECTRICAL CHARACTERISTICS

Title (de)

INTELLIGENTE ELEKTRONISCHE VORRICHTUNG ZUR ÜBERWACHUNG VON NICHT ELEKTRISCHEN WERTEN

Title (fr)

DISPOSITIF ELECTRONIQUE INTELLIGENT POUR SURVEILLER LES CARACTERISTIQUES NON ELECTRIQUES

Publication

**EP 1101155 A1 20010523 (EN)**

Application

**EP 00937765 A 20000525**

Priority

- US 0014409 W 20000525
- US 32275799 A 19990528

Abstract (en)

[origin: WO0073866A1] A method of monitoring non-electrical characteristics, i.e., temperature, humidity of pressure, of a protected load in an intelligent electronic device is presented. The method senses a non-electrical characteristic of the protected load to provide a sensed non-electrical characteristic signal indicative of the non-electrical characteristic. The method processes the non-electrical characteristic signal to provide a relationship of the non-electrical characteristic signal. In an exemplary embodiment of the invention, the relationship of the non-electrical characteristic signal is compared to user defined thresholds to detect non-electrical fault conditions. For example, such non-electrical fault conditions may not exceed 85 DEG C or 90% relative humidity. In an alternative exemplary embodiment of the invention, the relationship of the non-electrical characteristic signal is processed for analysis purposes. The data is analyzed within the electronic trip unit itself, or alternatively communicated to a remote monitoring device, e.g., a computer.

IPC 1-7

**G05B 23/02**

IPC 8 full level

**G05B 23/02** (2006.01); **H02H 5/00** (2006.01)

CPC (source: EP)

**G05B 23/0235** (2013.01)

Citation (search report)

See references of WO 0073866A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0073866 A1 20001207**; EP 1101155 A1 20010523; JP 2003502001 A 20030114

DOCDB simple family (application)

**US 0014409 W 20000525**; EP 00937765 A 20000525; JP 2001500920 A 20000525