

Title (en)
INFLAMMABLE GAS DETECTION APPARATUS WITH PREDETERMINED INTERVENTION

Publication
EP 0126036 B1 19870826 (FR)

Application
EP 84830113 A 19840412

Priority
IT 943383 A 19830517

Abstract (en)
[origin: EP0126036A1] The detector element (R) is a spiral of fine Pt alloy wire in a bridge network comprising two fixed resistors (R1,R2) and two variable resistors (P1,P2) one (P1) of which is first set in the absence of gas to give the experimentally optimum voltage across the detector (R). The other variable resistor (P2) is then adjusted to set the cathode of a first diode (DS1) below its threshold voltage for a predetermined concn., with two further diodes (DS2,DS3) holding two transistors (TR1,TR2) cut off so that a relay (RL) is de-energised. Gas concn. above the preset level then provokes a voltage variation for rapid switching of the transistors and relay.

IPC 1-7
G08B 17/10

IPC 8 full level
G08B 17/10 (2006.01); **G08B 17/117** (2006.01)

CPC (source: EP US)
G08B 17/117 (2013.01 - EP US)

Citation (examination)

- EP 0065497 A1 19821124 - CONTE FRANCO MARIA
- ELEKTOR, vol. 8, no. 9, septembre 1982, Canterbury, Kent (GB); "24 hour protection against gas leaks", pages 916-919.
- THE RADIO AND ELECTRONIC ENGINEER, vol. 44, no. 2, février 1974, Londres (GB); J. WATSON et al.: "Applications of the Taguchi gas sensor to alarms for inflammable gases", pages 85-91.

Designated contracting state (EPC)
AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)
EP 0126036 A1 19841121; EP 0126036 B1 19870826; AT E29183 T1 19870915; DE 3465645 D1 19871001; IT 1198606 B 19881221; IT 8309433 A0 19830517; US 4652831 A 19870324

DOCDB simple family (application)
EP 84830113 A 19840412; AT 84830113 T 19840412; DE 3465645 T 19840412; IT 943383 A 19830517; US 60997584 A 19840514