

Title (en)
Safety device

Title (de)
Sicherheitsvorrichtung

Title (fr)
Dispositif de sécurité

Publication
EP 0814444 B1 20020724 (DE)

Application
EP 97201829 A 19970614

Priority
DE 19624976 A 19960622

Abstract (en)
[origin: EP0814444A2] A gas detector for safety applications may be operated from the mains or from a rechargeable battery. It consists of three fully-independent sensors positioned alongside one another of which one (10/1) monitors the oxygen component in the air within the room, one (10/2) detects methane or propane and the third (10/3) detects carbon monoxide. An acoustic or optical alarm signal is given if the oxygen concentration falls below 20.9%, if the methane or propane content is higher than 0.5% to 1.0% or if the carbon monoxide content present exceeds 100 ppm. Following an alarm signal, the detector system transmits a radio signal to switch off the current supply at a mains switch (12) and/or to close a magnetic valve (16), blocking the further supply of gas in a feed-pipe (14).

IPC 1-7
G08B 17/117

IPC 8 full level
G08B 21/14 (2006.01); **G08B 21/16** (2006.01)

CPC (source: EP)
G08B 21/14 (2013.01); **G08B 21/16** (2013.01)

Cited by
EP2083406A1; GB2364811A; US7021925B2; GB2358268B; GB2481868A; GB2481868B

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