

Title (en)

A safety device for gas heating apparatus.

Title (de)

Sicherheitseinrichtung für Gaswärmeeinrichtungen.

Title (fr)

Dispositif de sécurité pour appareil de chauffage à gaz.

Publication

EP 0100758 A2 19840215 (EN)

Application

EP 83830161 A 19830803

Priority

- IT 2272182 A 19820803
- IT 2423482 A 19821112

Abstract (en)

A safety device for gas heating apparatus, is provided which is responsive to a reduction in the oxygen content in the environment in which the apparatus is located, to close a main solenoid valve (3) controlling the gas supply. The device includes a temperature transducer the temperature sensitive element (13) of which is fixed to the outside of the wall (16) of a pilot burner tube (2) to detect its temperature. In dependence on the detected temperature, the transducer generates a signal which, when the pilot flame burns in a first position (A) in the pilot burner tube (2), corresponding to normal environmental conditions, maintains the gas-supply solenoid valve (5) open and which on the other hand causes the latter to close when the pilot flame burns in a second position (B) as a result of its displacement due to a lowering of the oxygen content in the environment.

IPC 1-7

F23Q 9/00; **F23N 5/00**; **F23N 5/10**

IPC 8 full level

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CPC (source: EP)

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Cited by

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