

## Title (en)

A SAFETY DEVICE FOR GAS HEATING APPARATUS

## Publication

**EP 0100758 A3 19840606 (EN)**

## Application

**EP 83830161 A 19830803**

## Priority

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- IT 2423482 A 19821112

## Abstract (en)

[origin: EP0100758A2] 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**

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## Citation (search report)

- [YD] US 3295585 A 19670103 - KOVACH JR JOHN T, et al
- [Y] GB 1145077 A 19690312 - HONEYWELL INC
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- [A] GB 2021253 A 19791128 - STRAITZ J F
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