

Title (en)

Security apparatus for gas valves.

Title (de)

Sicherheitsvorrichtung für Gasventile.

Title (fr)

Perfectionnements aux dispositifs de sécurité pour vannes à gaz.

Publication

**EP 0288390 A1 19881026 (FR)**

Application

**EP 88400980 A 19880421**

Priority

FR 8705823 A 19870424

Abstract (en)

Security device associated with the valve (3) for supplying fuel gas of the burner (1) of a heating apparatus equipped with a pilot flame (13), said valve comprising a flap (5) which is capable of being set manually in its opening position, this flap being associated with an electromagnetic coil (10) in such a manner that retention in the open set position of the flap is ensured by circulation in the coil of the electric current generated by the simple heating of a thermocouple (12) by the pilot flame, the required safety being obtained by opening of an electric switch (16) mounted on the circuit which connects the thermocouple to the coil. The electric switch (16) is constituted by a MOS-type transistor which has very low drain-source resistance in the conductive state. <IMAGE>

IPC 1-7

**F23N 5/10**

IPC 8 full level

**F23N 5/10** (2006.01)

CPC (source: EP)

**F23N 5/102** (2013.01); **F23N 2227/22** (2020.01)

Citation (search report)

[A] US 4565519 A 19860121 - CARIGNAN FOREST J [US]

Cited by

EP1236941A3; EP1420206A1; EP0643266A1; NL2004917C2; AU2002214834B2; EP1739351A1; ES2082669A1; EP3839352A1; EP3839346A1; WO0240923A1; EP3596392B1; EP3848632A1; WO2021140266A1

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