

Title (en)  
Safety gas valve with an electromagnet

Title (de)  
Sicherheitsgasventil mit einem Elektromagnet

Title (fr)  
Soupape à gaz de sécurité avec un électro-aimant

Publication  
**EP 1036987 A2 20000920 (EN)**

Application  
**EP 00500029 A 20000228**

Priority  
ES 9900547 A 19990317

Abstract (en)  
The flame safety gas valve is built into a domestic tap and has an electromagnet (2), energised with DC voltage, and a moving armature (4a) with a valve sealing member (4) coupled, a seat (5) for supporting the core (11) connected to a ground (9) lead, and a connecting washer (7) with a central plug connected to phase (8) lead. The electromagnet (2) is built with a U-shaped core (11), which is linked to the connecting washer (7), and with two coils (12, 12') each wound on a respective semi-bobbin (13, 13'). The electromagnet is coupled (6,10,16,17) both electrically and mechanically to the safety gas valve. <IMAGE>

IPC 1-7  
**F23N 5/10**

IPC 8 full level  
**F23N 5/10** (2006.01)

CPC (source: EP)  
**F23N 5/105** (2013.01); **F23N 2235/14** (2020.01); **F23N 2235/24** (2020.01)

Citation (applicant)  
EP 0619460 A1 19941012 - ORKLI S COOP LTDA [ES]

Cited by  
EP1624247A3; DE102005030417A1; EP2040270A1; EP2040271A1; US9140451B2; US8028971B2; EP3182005A1; EP3222914A1; JP2017172795A; KR20170110524A; RU2725913C2; JP2009014131A; JP2009014132A

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