

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 A3 20020612 (EN)

Application
EP 00500029 A 20000228

Priority
ES 9900547 A 19990317

Abstract (en)
[origin: EP1036987A2] 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>

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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 (search report)
• [A] DE 1959057 A1 19710527 - JUNKERS & CO
• [AD] DE 2360411 A1 19750612 - SIEMENS AG
• [AD] EP 0619460 A1 19941012 - ORKLI S COOP LTDA [ES]

Cited by
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