

Title (en)

Electromagnet assembly for a safety gas valve

Title (de)

Elektromagneteinheit für einer Sicherheitsventil

Title (fr)

Ensemble à électro-aimant pour une soupape de sûreté à gaz

Publication

**EP 1063474 B1 20030514 (EN)**

Application

**EP 00500103 A 20000526**

Priority

ES 9901372 A 19990621

Abstract (en)

[origin: EP1063474A1] Electromagnet assembly (1) for a safety gas valve comprising an electromagnet (4a,6,7,11) with two windings (6,7), a moving armature (4a) connected to the valve member (4), being attracted to open the flow of gas in the main pipe of a tap, a sealed casing (3) for the electromagnet, a metal socket (5) for electrical contact to ground, two output leads (8,9), and an electrical insulating member for the tight sealing (12) of the casing (3), traversed by said output leads (8,9). One arm (11a) of the U-shaped core has a winding for the actuating attraction, and the other arm (11b) has a thick wire winding energised by a holding thermocouple. <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 5/10** (2013.01); **F23N 2900/05101** (2013.01)

Cited by

EP1666796A1; EP2040270A1; EP2040271A1; US8028971B2; JP2020148222A; CN111678175A; EP1624247A3; EP3521702A1; CN110118279A; KR20190095129A; JP2019178777A; EP1624247A2; US10839997B2

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