

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

Designated contracting state (EPC)

DE FR GB IT PT

DOCDB simple family (publication)

EP 1063474 A1 20001227; **EP 1063474 B1 20030514**; DE 60002632 D1 20030618; DE 60002632 T2 20040408; ES 2154594 A1 20010401; ES 2154594 B1 20011101; PT 1063474 E 20030829

DOCDB simple family (application)

EP 00500103 A 20000526; DE 60002632 T 20000526; ES 9901372 A 19990621; PT 00500103 T 20000526