

Title (en)
IGNITION PREVENTION VALVE FOR GAS OR OIL HEATED DEVICES

Publication
EP 0046843 B1 19850220 (DE)

Application
EP 81103519 A 19810508

Priority
DE 3031114 A 19800816

Abstract (en)
[origin: EP0046843A1] 1. Ignition safety valve for gas- or oil-heated equipment, having an electro-magnet (32), which is controlled by a heat sensor heated by a flame and whose armature (36) is pressed by a return spring (40) against a closing element (21) of the valve (20), which sits on a double arm rocking lever (24) on which a closing spring (28) has a snap action, the rocking lever (24) being supported in one end position on the valve seat via the closing element (21), and in the other end position, on the magnet poles (34) of the electro-magnet (32) via the armature (36), and, in addition, having a hand operated setting element (44) which acts via a push rod (45) on the rocking lever (24) and transfers the latter into the end position in which the valve (20) is open and the armature (36) is in contact with the poles of the magnet (34), and from which end position the rocking lever (24) is rocked back by means of the combined forces of the return spring (40) and the closing spring (28) whenever the retention force of the electro-magnet (32) is less than or falls below a specified value, characterised in that the push rod (45) of the hand operated setting element (44) is located in a known manner near the valve and magnet axis and acts on the rocking lever (24) via a slide (52) which is displaceably supported on the rocking lever (24), is pressed by a spring (60) radially against the part (41) rigidly connected to the armature (36) and is provided with a stop surface (55) allocated to the push rod (45), which stop surface moves out of the path of movement of the push rod (45) as long as the armature (36) is adhering to the poles of the magnet (34) when the valve is closed.

IPC 1-7
F23N 5/10; **F23Q 9/14**

IPC 8 full level
F23N 5/10 (2006.01); **F23Q 9/14** (2006.01)

CPC (source: EP)
F23N 5/107 (2013.01)

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