

Title (en)

GAS VALVE INCORPORATING A SECURITY FOR A HOT WATER APPARATUS WITHOUT A PERMANENT PILOT FLAME

Publication

**EP 0269509 B1 19901227 (FR)**

Application

**EP 87402575 A 19871116**

Priority

FR 8615929 A 19861117

Abstract (en)

[origin: EP0269509A1] According to the invention the said valve comprises a rotary actuating knob (1) and a bubbling diaphragm mechanism (8, 4) connected to a bulb and reacting to an increase in temperature of the combustion products. It also comprises a cam (2) mounted so as to rotate about its axis AA' under the action of the said knob which cooperates with the actuating rod (7, 21) of the gas inlet shutter (6) and which can also move in translation over the said axis AA' under the action of the bubbling diaphragm mechanism (8) in order to cause it to be released from the actuating rod (7) of the shutter and to make the apparatus safe. Application to hot water apparatuses without a permanent pilot flame. <IMAGE>

IPC 1-7

**F23N 5/24**; **F24H 9/20**

IPC 8 full level

**F23N 5/24** (2006.01); **F24H 9/20** (2006.01)

CPC (source: EP US)

**F23N 5/247** (2013.01 - EP); **F24H 9/205** (2013.01 - EP US)

Cited by

CN100453870C

Designated contracting state (EPC)

AT BE DE IT NL

DOCDB simple family (publication)

**EP 0269509 A1 19880601**; **EP 0269509 B1 19901227**; AT E59459 T1 19910115; DE 269509 T1 19880922; DE 3767136 D1 19910207; FR 2606854 A1 19880520; FR 2606854 B1 19890303

DOCDB simple family (application)

**EP 87402575 A 19871116**; AT 87402575 T 19871116; DE 3767136 T 19871116; DE 87402575 T 19871116; FR 8615929 A 19861117