

Title (en)
GAS PRESSURE REGULATOR

Publication
EP 0035147 B1 19840725 (DE)

Application
EP 81101003 A 19810213

Priority
DE 8005149 U 19800222

Abstract (en)
[origin: EP0035147A1] 1. A gas pressure regulator for a circulating water heater provided with a heater for water for consumption, including a valve seat (33), which is disposed in a housing (30) and controlled by a springresettable valve member (35), which is connected to a positioning diaphragm (38), which is subjected to the gas pressure behind the valve (33/35) in the outlet chamber (32), also comprising a first control diaphragm (54), which is subjected on one side to the gas pressure behind the valve (33/35), and a fluid pump (83), wherein that side of the first control diaphragm (54) which is remote from the gas is subjected only to the pressure of the fluid pump (83) and that pressure is limited by a valve (75/76), which is coupled to a second control diaphragm (60), which is biased by a spring (62), characterized in that a backing member (63) for the spring (62) of the second control diaphragm (60) is connected to a positioning rod (15) of a flow switch (16), which is associated with a tap water path (20, 21, 22) of the heater (7) for water for consumption.

IPC 1-7
F23N 1/08; **F24D 3/08**

IPC 8 full level
F23N 1/08 (2006.01); **F23N 5/18** (2006.01); **F24D 3/08** (2006.01)

CPC (source: EP)
F23N 1/087 (2013.01); **F23N 5/188** (2013.01); **F23N 2235/14** (2020.01); **F23N 2235/18** (2020.01); **F23N 2235/20** (2020.01)

Citation (examination)
• EP 0016326 A1 19801001 - VAILLANT JOH GMBH & CO [DE], et al
• FR 2433159 A1 19800307 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• FR 2116112 A5 19720707 - JUNKERS & CO

Cited by
EP0108349A3; DE3524015A1; AT397850B; EP0989366A1; EP0103303A3

Designated contracting state (EPC)
AT BE CH FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0035147 A1 19810909; **EP 0035147 B1 19840725**; AT E8700 T1 19840815; DE 8005149 U1 19811119

DOCDB simple family (application)
EP 81101003 A 19810213; AT 81101003 T 19810213; DE 8005149 U 19800222