

Title (en)
Gas-fired water heater

Title (de)
Gasbeheizter Durchlauferhitzer

Title (fr)
Chauffe-eau à gaz

Publication
EP 1170549 A3 20040128 (DE)

Application
EP 01109098 A 20010412

Priority
• EP 01109098 A 20010412
• AT 6992000 A 20000420
• EP 00250126 A 20000418

Abstract (en)
[origin: EP1170549A2] A heat exchanger (3) heated by a burner (14) is incorporated after a water-valve in a water-switch (5) and after the gas-valves (36,44) controlled b the water-switch and by a servo valve (29). The servo valve has an interior (58) divided by a membrane into a first chamber connected to the gas-path between the two gas-valves. The second chamber is connected to the gas-path downstream from the gas-valve by means of a valve operated by an electro-magnet The membrane has a carrier supporting the valve body (37) of the gas-valve. The carrier end facing the valve body carries the valve body against the restoring force of a spring.

IPC 1-7
F23N 1/08

IPC 8 full level
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F23N 1/087 (2013.01); **F23N 5/12** (2013.01); **F23N 5/20** (2013.01); **F23N 2229/00** (2020.01); **F23N 2231/02** (2020.01); **F23N 2235/14** (2020.01); **F23N 2235/18** (2020.01); **F23N 2235/20** (2020.01); **F23N 2235/24** (2020.01)

Citation (search report)
• [Y] DE 29904815 U1 19990512 - HUANG CHUN CHENG [TW]
• [Y] FR 2561757 A1 19850927 - SDECC [FR]
• [A] US 3765452 A 19731016 - CHARRON J

Cited by
ITPD20130293A1; EP1739352A1; DE102012003912B3; RU2617034C2; US10428972B2; WO2013127503A2; WO2013127503A3; WO2007000470A1; US10851911B2

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