

Title (en)

A valve assembly for plants providing both heating and domestic hot water

Title (de)

Ventilanordnung für Anlagen, die sowohl für Heizungs- als auch für Haushaltsheisswasser vorgesehen ist

Title (fr)

Arrangement de soupape prévu pour installations de chauffage ainsi que pour chauffe-eau domestique

Publication

EP 0568122 B1 19961211 (EN)

Application

EP 93200629 A 19930304

Priority

IT MI920575 A 19920312

Abstract (en)

[origin: EP0568122A2] A valve assembly for a combined plants adapted for providing both heating and sanitary hot water comprising a gas-fired boiler (1), a heat exchanger (2), a water/water heat exchanger (17) that can be included through a three-way valve (4) in the circuit of the heating water, at least one radiator (R), and a pump (P) for circulating the heating water, such assembly being formed by two sub-assemblies or valve units. The first unit (I) comprises an integral metal block in which there are formed or mounted said three-way valve (4), a pipe fitting (3) for the connection with the main heat exchanger (2), a fitting (5) for the connection with the radiator (R), an outlet fitting (9) for the domestic water, two pipe fittings (22, 23) for the connection with the water/water heat exchanger (17), a pressure switch (15) and a by-pass valve (16) with an associated outlet fitting (10). The second unit (II) comprises an integral metal block in which there are formed or mounted a pressure difference device (14), a pipe fitting (6) for the connection with the radiator (R), an inlet fitting (8) for the domestic water, an outlet fitting (7) towards the pump (P), two fittings (32, 3) for the connection with said water/water heat exchanger (17). <IMAGE>

IPC 1-7

F24D 19/10; F16K 11/00; F28F 27/02

IPC 8 full level

F24D 19/10 (2006.01); **F24H 9/12** (2006.01); **F24D 3/10** (2006.01); **F24H 9/14** (2006.01)

CPC (source: EP US)

F24D 3/1083 (2013.01 - EP); **F24D 19/1066** (2013.01 - EP US); **F24H 9/136** (2022.01 - EP); **F24H 9/144** (2013.01 - EP)

Cited by

EP1130342A3; EP1845314A1; NL2018198B1; EP0976989A3; DE19632605A1; EP0791772A3; FR2885481A1; DE19819714A1; EP0953808A3; GB2314914A; GB2314914B; JP2018109482A; DE19632604A1; EP0693658A1; US10830458B2; EP0953808A2; EP0829687A2; EP0825387A2; WO2022102477A1; WO2018135946A1; EP2413044B1; EP0825387B2; EP3150923B1; EP3150923B2

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0568122 A2 19931103; **EP 0568122 A3 19940831**; **EP 0568122 B1 19961211**; DE 69306461 D1 19970123; DE 69306461 T2 19970515; ES 2096189 T3 19970301; IT 1254266 B 19950914; IT MI920575 A0 19920312; IT MI920575 A1 19930912

DOCDB simple family (application)

EP 93200629 A 19930304; DE 69306461 T 19930304; ES 93200629 T 19930304; IT MI920575 A 19920312