

Title (en)

A valve assembly with integral pump for a plant providing both heating and sanitary hot water

Title (de)

Ventileinheit mit integrierter Pumpe für kombinierten Kessel zur Erzeugung von Heizwärme und Warmwasser

Title (fr)

Ensemble de soupape avec pompe intégrée pour chaudière mixte chauffage / eau sanitaire

Publication

EP 0797057 B1 19991215 (EN)

Application

EP 96110213 A 19960625

Priority

IT MI960567 A 19960322

Abstract (en)

[origin: EP0797057A2] A valve assembly for a combined plant for providing both heating and sanitary hot water, comprising a gas burner (1), a main gas/water heat exchanger (2), a water/water heat exchanger (17) connectable through a three-way valve (4) in the circuit of the heating water, at least a radiator (R), and a pump (P) for circulating the heating water. The assembly is made up by two sub-assemblies or valve units (I, II) both formed of a composite plastic material, with the second sub-assembly (II) incorporating said pump (P). <IMAGE>

IPC 1-7

F24D 3/08; **F24H 9/14**; **F24H 9/12**

IPC 8 full level

F24D 3/08 (2006.01); **F24H 9/12** (2006.01); **F24H 9/14** (2006.01)

CPC (source: EP)

F24D 3/08 (2013.01); **F24H 9/13** (2022.01); **F24H 9/14** (2013.01); **F24H 9/142** (2013.01)

Cited by

EP1130342A3; EP1845314A1; EP0981031A3; CN102042637A; EP3012552A1; EP0994311A3; EP1418387A1; EP1026457A1; FR2813950A1; EP1188991A1; ITPD20090018A1; EP1650506A1; CN107076461A; EP1847781A3; EP1384960A1; EP1026456A1; EP1965139A3; EP1656978A1; EP0911590A3; EP3252394A1; ITUA20164036A1; EP0994311A2; WO2022250636A1

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0797057 A2 19970924; **EP 0797057 A3 19981014**; **EP 0797057 B1 19991215**; DE 69605644 D1 20000120; DE 69605644 T2 20000531; ES 2142522 T3 20000416; IT 1284431 B1 19980521; IT MI960567 A0 19960322; IT MI960567 A1 19970922

DOCDB simple family (application)

EP 96110213 A 19960625; DE 69605644 T 19960625; ES 96110213 T 19960625; IT MI960567 A 19960322