

Title (en)

Very compact hydraulic assembly for wall gas-fired boilers

Title (de)

Sehr kompakte hydraulische Baugruppe für gasbeheizte Wandkessel

Title (fr)

Ensemble hydraulique très compact pour chaudières murales à gaz

Publication

EP 0652408 B1 19980408 (EN)

Application

EP 94117592 A 19941108

Priority

IT MI930870 U 19931110

Abstract (en)

[origin: EP0652408A1] The very compact hydraulic assembly (1) for wall gas-fired boilers provided with a main heat exchanger (7), a secondary heat exchanger (10), a three-way valve (4), a differential manostat (3) for the three-way valve (4), a by-pass valve (5), a safety manostat (2), a safety valve, a plurality of connectors (12,13,14A,15A,16,17,18,19) for connecting external pipes of the main circuit (24,25,28,29) intended for heating purposes and the secondary circuit (23,26,27) intended for sanitary water is comprised of a single block (1) making possible the compact interconnection of said components without the use of intermediate pipes. The differential manostat (3) comprises a venturi (34), a connecting element (36) to the secondary heat exchanger (10) and a connecting element (15A) to the single block (1), integrally formed therein. <IMAGE>

IPC 1-7

F24H 9/14

IPC 8 full level

F24H 9/14 (2006.01)

CPC (source: EP)

F24H 9/14 (2013.01); **F24H 9/14A** (2013.01)

Cited by

EP1130342A3; EP1845314A1; EP1650506A1; EP2484989A4; EP0797057A3; EP0825387A3; FR2755752A1; EP0981031A3; EP2942583A1; NL1021594C2; EP0994311A2; EP1026456A1; WO9821529A1

Designated contracting state (EPC)

ES FR GB NL

DOCDB simple family (publication)

EP 0652408 A1 19950510; **EP 0652408 B1 19980408**; ES 2117189 T3 19980801; IT 230482 Y1 19990607; IT MI930870 U1 19950510; IT MI930870 V0 19931110

DOCDB simple family (application)

EP 94117592 A 19941108; ES 94117592 T 19941108; IT MI930870 U 19931110