

Title (en)

Water circuit of a combined service wall-mounted gas-fired boiler

Title (de)

Wasserkreislauf eines kombinierten Gaswandkessels

Title (fr)

Circuit d'eau d'une chaudière mixte murale à gaz

Publication

**EP 0976989 A3 20001108 (EN)**

Application

**EP 98123350 A 19981208**

Priority

IT MI980531 U 19980729

Abstract (en)

[origin: EP0976989A2] The water circuit (10) for a combined service wall-mounted gas-fired boiler includes a primary circuit (11) in which the hot water for room heating is circulated and a secondary circuit (12) in which hot water for domestic use is circulated. In order to fill with water the primary circuit (11) of the boiler and the room heating units connected thereto through pipes (M,R) a three-way valve (32) is provided. This valve (32) is arranged so as to connect the primary circuit (11) or the secondary circuit (12) to the water mains (D) or to disconnect both therefrom. When the filling with water of the primary circuit (11) and the room heating units is required, the three-way valve (32) connects the primary circuit (11) to the water mains (D), while during the normal operation of the boiler the three-way valve (32) connects the secondary circuit (12) to the water mains (D).  
<IMAGE>

IPC 1-7

**F24H 9/14**

IPC 8 full level

**F24H 9/12** (2006.01); **F24H 9/14** (2006.01); **F24H 1/52** (2006.01)

CPC (source: EP)

**F24H 9/13** (2022.01); **F24H 9/14** (2013.01); **F24H 9/142** (2013.01); **F24H 1/52** (2013.01)

Citation (search report)

- [A] EP 0829687 A2 19980318 - WILO GMBH [DE]
- [A] DE 19623807 A1 19970619 - TONG YANG MAGIC CORP [KR]
- [A] DE 9406048 U1 19940616 - HENKENJOHANN WALTER [DE], et al
- [A] EP 0568122 A2 19931103 - FUGAS SRL [IT]

Cited by

CN109442731A; EP4102141A1; WO2022258406A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0976989 A2 20000202**; **EP 0976989 A3 20001108**; **EP 0976989 B1 20020206**; DE 69803756 D1 20020321; DE 69803756 T2 20021114; ES 2172854 T3 20021001; IT 244172 Y1 20020307; IT MI980531 U1 20000129

DOCDB simple family (application)

**EP 98123350 A 19981208**; DE 69803756 T 19981208; ES 98123350 T 19981208; IT MI980531 U 19980729