

Title (en)
Integrated hydraulic circuit for hot-water heating boilers for heating and sanitary use.

Title (de)
Integrierte Wasserleitungen für Wassererhitzer für Heizung und Brauchwasser.

Title (fr)
Circuit hydraulique intégré pour chauffe-eau pour chauffage et eau chaude sanitaire.

Publication
EP 0244915 A2 19871111 (EN)

Application
EP 87200837 A 19870506

Priority
IT 2178486 U 19860509

Abstract (en)
An integrated hydraulic circuit forms a plurality of connections between hydraulic components of the boiler, among which at least an accelerator, a secondary water-water heat-exchanger (39) and a 3-way valve (32) for selectively deviating the flow of water from the accelerator to the said heat-exchanger or to a heating circuit. The circuit is realized by the joining of two facing plate-shaped elements (14, 25), channel-shaped passages being formed in at least one of them and the elements being joined in a watertight manner at their interface at least in the region of the peripheral passages; provision being made on the said circuit for the fixing of at least the accelerator, the secondary heat-exchanger and the 3-way valve, and provision also being made for inlet and outlet connections for a primary heat-exchanger, a heating system and a sanitary water system.

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CPC (source: EP)
F24H 9/14 (2013.01); **F24H 9/144** (2013.01); **F24H 9/148** (2013.01)

Cited by
AT413240B; FR2969254A1; EP0825387A3; EP0340370A1; EP1650506A1; EP0735332A3; US5778829A; EP0797057A3; FR2706593A1; EP1626232A2; WO2012085464A1

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