

Title (en)

Boiler and process for heating and for producing sanitary hot water

Title (de)

Kessel und Verfahren zum Heizen und zur Brauchwasserbereitung

Title (fr)

Chaudière et méthode pour chauffer et pour préparer de l'eau chaude sanitaire

Publication

**EP 0940636 A3 20010912 (EN)**

Application

**EP 99830117 A 19990305**

Priority

IT PR980016 A 19980306

Abstract (en)

[origin: EP0940636A2] A boiler (1) of the combined type for heating and for producing sanitary hot water, comprising a primary circuit (7, 8, 9) for a heating fluid, having a delivery branch (7) and a return branch (8) intended for connection to a heating system, and a secondary branch (9) which connects the delivery branch to the return branch. A circulation pump (14) operates along the return branch upstream of a primary heat exchanger (13). A secondary heat exchanger (18) which is inserted in the secondary branch (9) exchanges heat between the heating fluid in the primary circuit and the sanitary water in a secondary circuit (15). A storage vessel (22) for the heating fluid in the primary circuit, which is inserted in said secondary branch (9), is located downstream of the secondary heat exchanger (18). <IMAGE>

IPC 1-7

**F24D 3/08**

IPC 8 full level

**F24D 3/08** (2006.01); **F24H 1/52** (2006.01)

CPC (source: EP)

**F24D 3/08** (2013.01); **F24D 2220/08** (2013.01); **F24H 1/52** (2013.01)

Citation (search report)

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- [X] DE 4332141 A1 19940331 - VAILLANT JOH GMBH & CO [DE]
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- [A] DE 8915404 U1 19901220
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