

Title (en)
Boilers.

Title (de)
Kessel.

Title (fr)
Chaudières.

Publication
EP 0631094 A1 19941228 (EN)

Application
EP 94304510 A 19940621

Priority
GB 9313273 A 19930628

Abstract (en)
A boiler having a main heat exchanger (1) for heating water to be circulated under control of a diverter valve (4) through either a central heating system or a plate heat exchanger (2) for heating domestic hot water, is provided with an expansion vessel (3) including gas and water chambers (15, 16) separated by a diaphragm. The water chamber includes inlet ports (7, 8) for receiving returning circulated water from the plate heat exchanger (2) and the central heating system; and an outlet port (21) communicating with a pump chamber having a discharge port (24) connected to the inlet of the main heat exchanger. Thus, circulating water passes through the water chamber of the expansion vessel which serves as a manifold allowing simplification of the pipework within the boiler. <IMAGE>

IPC 1-7
F24D 3/10; **F24H 9/14**

IPC 8 full level
F24D 3/10 (2006.01); **F24H 9/14** (2006.01)

CPC (source: EP)
F24D 3/1008 (2013.01); **F24D 3/1016** (2013.01); **F24H 9/14** (2013.01); **F24H 9/148** (2013.01)

Citation (search report)

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GB2342429A; GB2555425A; GB2555425B; WO2006070282A3; WO2018078341A1

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