

Title (en)

Apparatus for producing domestic hot water

Title (de)

Geräte zur Erzeugung von warmem Brauchwasser

Title (fr)

Perfectionnements aux appareils générateurs d'eau chaude sanitaire

Publication

**EP 0778450 B1 20011121 (FR)**

Application

**EP 96401623 A 19960719**

Priority

FR 9514562 A 19951208

Abstract (en)

[origin: EP0778450A1] The boiler has a gas burner (3) and a closed circuit (6) for heating a low-volume domestic hot water tank (10). A pump (5) and a tube (4) pass through a combustion chamber (2) to form a main heat exchanger. The water drawn from the tank (10) is replaced with cold water which passes first through a secondary direct heat exchanger (14) in the closed circuit (6). The secondary heat exchanger (14) is mounted after the tank in the hot water re-heating circuit (6) and before it in the replacement circuit (9). The tank (10) has a volume of some 6 litres. The direct heat exchanger is compact in design with plates and can be enclosed within the tank. The system incorporates two temperature sensors (24,26) inside the tank and on the replacement circuit respectively.

IPC 1-7

**F24D 3/08**

IPC 8 full level

**F24D 3/08** (2006.01)

CPC (source: EP)

**F24D 3/08** (2013.01); **F24H 9/142** (2013.01)

Cited by

FR2789158A1; NL1037113C2; EP1450115A1; ITUB20155430A1; GB2365953A; GB2365953B; EP1026448A1; EP0905453B1; EP2573471A1; WO2009022226A2; EP3058303A1

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