

Title (en)

HOT-WATER BOILER INCLUDING A PREHEATER ARRANGED IN THE COMBUSTION CHAMBER

Title (de)

WASSERHEIZER MIT VORHEIZER IM BRENNRAUM

Title (fr)

CHAUFFE-EAU COMPRENANT UN PRECHAUFFEUR PLACE DANS LA CHAMBRE DE COMBUSTION

Publication

EP 1292797 B1 20041006 (EN)

Application

EP 01941362 A 20010608

Priority

- SE 0101306 W 20010608
- SE 0002324 A 20000621

Abstract (en)

[origin: WO0198716A1] Hot water boiler with a flow heater for tap water, comprising a combustion chamber (4), an outlet for heating water from a gap-shaped passage (22) arranged around the combustion chamber (4), a tube coil (18) for tap water arranged in said passage, and an inlet (9) for return heating water. The boiler comprises a preheater (11) for return heating water arranged in the combustion chamber (4). The preheater has an outlet line (13) which conducts preheated heating water out of the combustion chamber (4) to the lower part of the boiler, from where it passes upward in the gap-shaped passage (22) surrounding the combustion chamber (4) while being heated by the combustion chamber (4) and transferring heat to the tap water. A high production of hot tap water is thus achieved.

IPC 1-7

F24H 1/44; **F24H 1/52**; **F24D 3/08**

IPC 8 full level

F24H 1/26 (2006.01); **F24H 1/52** (2006.01)

CPC (source: EP)

F24H 1/26 (2013.01); **F24H 1/52** (2013.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0198716 A1 20011227; AT E278918 T1 20041015; AU 7472101 A 20020102; DE 60106247 D1 20041111; DE 60106247 T2 20060223; EP 1292797 A1 20030319; EP 1292797 B1 20041006; SE 0002324 D0 20000621; SE 0002324 L 20010709; SE 515311 C2 20010709

DOCDB simple family (application)

SE 0101306 W 20010608; AT 01941362 T 20010608; AU 7472101 A 20010608; DE 60106247 T 20010608; EP 01941362 A 20010608; SE 0002324 A 20000621