

Title (en)
BOILER WITH VARIOUSLY-SHAPED HEAT EXCHANGE ELEMENTS.

Title (de)
KESSEL MIT VERSCHIEDEN GEFORMTEN WÄRMEAUSTAUSCHELEMENTEN

Title (fr)
CHAUDIÈRE AVEC DES ÉLÉMENTS D'ÉCHANGE DE CHALEUR DE DIVERSES FORMES

Publication
EP 2153158 B1 20110330 (EN)

Application
EP 08750077 A 20080506

Priority

- EP 2008055525 W 20080506
- IT MI20070955 A 20070511

Abstract (en)
[origin: WO2008138803A2] There is described a boiler (1) including a burner (3), a heat exchanger (50) adapted to raise the temperature of a working fluid through heat exchange with an exchange fluid, including a plurality of heat exchanger modules (2) placed side by side in order to define a combustion chamber within which the burner (3) for the generation of exchange fluid is inserted, exchange walls (2C) for the passage of exchange fluid, an expulsion chamber (2D) for the exchange fluid fitted with a discharge flue (4) and a substantially parallelepiped casing (5) adapted to be filled with working fluid. The boiler includes side walls (5D) inter-connected by stay-plates (6) placed between the heat exchanger modules (2) and top and bottom walls (5B) and end walls (5C) fitted with reinforcing elements (8) which prevent their deformation due to the pressure of working fluid.

IPC 8 full level
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