

Title (en)

Heat cell for a heating apparatus

Title (de)

Wärmezelle für ein Heizgerät

Title (fr)

Cellule thermique d'un appareil de chauffage

Publication

**EP 1624270 B1 20150902 (DE)**

Application

**EP 05015400 A 20050715**

Priority

- DE 102004038562 A 20040806
- AT 4232005 A 20050314

Abstract (en)

[origin: EP1624270A1] A water heater has a burner (2) chamber for a mixture of fuel and air with a primary heat exchanger (3) within a housing (4). In operation the effluent burner gases flow through the primary heat exchanger (4). The primary heat exchanger is a plate heat exchanger consisting of two press-formed plates (10) which following assembly form a water duct (17). The burner effluent gases flow through the gaps (16) formed by adjacent pairs panels (10).

IPC 8 full level

**F24H 1/32** (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP)

**F24H 1/32** (2013.01); **F24H 1/38** (2013.01); **F28D 9/0043** (2013.01); **F28F 2250/102** (2013.01)

Cited by

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1624270 A1 20060208; EP 1624270 B1 20150902**; DE 102005033050 A1 20060316; ES 2554508 T3 20151221

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