

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 A1 20060208 (DE)**

Application  
**EP 05015400 A 20050715**

Priority  
• DE 102004038562 A 20040806  
• AT 4232005 A 20050314

Abstract (en)  
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)

Citation (search report)  
• [XY] WO 03106909 A2 20031224 - WORGAS BRUCIATORI SRL [IT], et al  
• [Y] EP 0745813 A2 19961204 - VIESSMANN WERKE KG [DE]  
• [Y] EP 1279903 A2 20030129 - BOSCH GMBH ROBERT [DE]  
• [X] GB 1277872 A 19720614 - DELANEY GALLAY LTD [GB]  
• [X] GB 1357137 A 19740619 - DEFAWES ETS THOMAS

Cited by  
EP2157382A3

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

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