

Title (en)

Gas boiler with a main heat exchanger for producing hot water

Title (de)

Gaskessel mit Hauptwärmetauscher für Heizwasserbereitung

Title (fr)

Chaudière à gaz avec échangeur de chaleur principal pour la production d'eau chaude

Publication

EP 1914486 A1 20080423 (EN)

Application

EP 06425725 A 20061020

Priority

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Abstract (en)

A gas boiler with a main heat exchanger (5) for producing hot water extends along a vertical axis (A1), and is provided with a burner (4) arranged transversely to the vertical axis (A1); and a combustion gas exhaust conduit (7) arranged above the burner (4); the main heat exchanger (5) extending transversely to the vertical axis (A1) and being arranged above the burner (4) and below the combustion gas exhaust conduit (7) so that the combustion gases flow from the burner (4) through the main heat exchanger (5) toward the combustion gas exhaust conduit (7) in a direction substantially parallel to the vertical axis (A1); the main heat exchanger (5) having a number of pipes (17) and a plurality of fins (18); each fin (18) being provided with a plate (24) transversal to the pipes (17) and parallel to the vertical axis (A1) at least an offset portion (34) protruding from the plate (34) and parallel to the vertical axis (A1) so as to define a flow passage parallel to the vertical axis (A1) between the offset portion (34) and the plate (24), from which the offset portion (34) protrudes.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] EP 0315577 A2 19890510 - VAILLANT JOH GMBH & CO [DE]
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