

Title (en)

Boiler comprising a heat exchanger

Title (de)

Kessel mit einem Wärmeaustauscher

Title (fr)

Chaudière comportant d'un échangeur thermique

Publication

**EP 2148148 A1 20100127 (EN)**

Application

**EP 08305416 A 20080723**

Priority

EP 08305416 A 20080723

Abstract (en)

The invention relates to a boiler comprising: - a burning chamber (1) at least partially surrounded by a volume (2) of water, - a burner arranged inside the burning chamber (1), wherein the burner burns a combustible, thus producing flue gases (4), - a heat exchanger (5) in a fluidic relation with the burning chamber (1), said heat exchanger (5) being separated from the volume (2) of heat transfer fluid by a heat transfer surface (50) for transferring heat from the flue gases to the water, wherein the heat exchanger (5) comprises means for controlling the flow of flue gases, wherein said controlling means comprise means (53, 54) for creating a turbulent flow of the flue gases (4) within the heat exchanger (5).

IPC 8 full level

**F24H 1/26** (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP)

**F24H 1/263** (2013.01); **F24H 9/0026** (2013.01)

Citation (search report)

- [X] FR 2774459 A1 19990806 - CIE INT DU CHAUFFAGE [FR]
- [XY] DE 3403225 A1 19850808 - VISSMANN WERKE KG [DE]
- [Y] DE 2462595 B1 19790426 - HAAS & SOHN ERNST W

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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