

Title (en)

Heating device and method of heating water

Title (de)

Heizvorrichtung und Verfahren zum Erhitzen von Wasser

Title (fr)

Dispositif chauffant et procédé pour chauffer de l'eau

Publication

**EP 1860381 A2 20071128 (EN)**

Application

**EP 07075390 A 20070522**

Priority

NL 1031891 A 20060526

Abstract (en)

Heating device for supplying hot water, comprising a combustion chamber (1) in which a heat exchanger (8) extends; wherein a fuel supply conduit (6), an air inlet pipe (5) and a flue gas outlet pipe (3) are connected to the combustion chamber; wherein a water supply conduit (11) and a water discharge conduit (12) are connected to the heat exchanger and connected at their other outer end to a hot water supply container (10); wherein a fan is placed in the air inlet pipe and/or in the flue gas outlet pipe which can cause a gas flow from the air inlet pipe through the combustion chamber to the flue gas outlet pipe; and wherein a circulation pump (9) is incorporated in the system which can circulate the water through the water supply conduit, the heat exchanger, the water discharge conduit and the hot water supply container; wherein the heating device comprises ventilation control means which are adapted to switch off the fan after the fuel supply conduit has been closed; and wherein the heating device comprises circulation control means which are adapted to switch off the circulation pump after the fuel supply conduit has been closed; wherein the ventilation control means are adapted to switch off the fan after the circulation pump has been switched off such that air flows along the heat exchanger while the water is stationary therein for the purpose of cooling this water.

IPC 8 full level

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CPC (source: EP US)

**F23N 1/08** (2013.01 - EP); **F23N 1/10** (2013.01 - EP); **F24H 9/2035** (2013.01 - EP US); **F24H 15/215** (2022.01 - EP US); **F24H 15/219** (2022.01 - EP US); **F24H 15/335** (2022.01 - EP US); **F24H 15/35** (2022.01 - EP US); **F23N 2225/18** (2020.01 - EP); **F23N 2225/19** (2020.01 - EP); **F23N 2227/06** (2020.01 - EP); **F24H 1/186** (2013.01 - EP); **F24H 1/50** (2013.01 - EP)

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DOCDB simple family (publication)

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