

Title (en)

Solid fuel burning device with heat exchanger for transferring heat to a fluid circuit

Title (de)

Feststoff-Brennvorrichtung mit Wärmetauscher zur Wärmeübertragung an einen Flüssigkeits-Kreislauf

Title (fr)

Dispositif de combustion de matière solide doté d'un caloporteur pour le transfert thermique sur un circuit de liquide

Publication

**EP 2314947 B1 20180214 (DE)**

Application

**EP 10187408 A 20101013**

Priority

DE 102009050507 A 20091023

Abstract (en)

[origin: EP2314947A2] The device has a heat exchanger (20) for transferring heat to a fluid circuit (21) and comprising heat exchanger elements i.e. heat exchanger ribs (22), through which exhaust gas is passed. The heat exchanger ribs with less than 15 percentage of a surface of the ribs stay in contact with a fluid guiding part (24) of the heat exchanger. A cladding (25) made of fireclay or silicon carbide is arranged on a side of the heat exchanger ribs, where the side is turned away from the fluid guiding part of the heat exchanger. The cladding is arranged at a distance to the heat exchanger ribs.

IPC 8 full level

**F24B 9/04** (2006.01); **F23B 50/06** (2006.01); **F23B 80/04** (2006.01); **F24H 1/38** (2006.01)

CPC (source: EP)

**F23B 50/06** (2013.01); **F23B 80/04** (2013.01); **F24B 9/04** (2013.01); **F24H 1/38** (2013.01); **F24H 2230/00** (2013.01)

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DOCDB simple family (publication)

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