

Title (en)

Combustion chamber for a solid fuel combustion apparatus, in particular for solid biomass fuel

Title (de)

Brennkammer einer Festbrennstoff-Verbrennungseinrichtung, insbesondere zur Verfeuerung fester Biomasse

Title (fr)

Chambre de combustion pour un appareil de combustion plus particulièrement destiné aux combustibles solides de type biomasse

Publication

**EP 1496312 A3 20061108 (DE)**

Application

**EP 04014669 A 20040623**

Priority

DE 10331707 A 20030711

Abstract (en)

[origin: EP1496312A2] The combustion chamber (1) of a solid fuel burning unit, especially for the burning of biomass, is formed through the alternating layering of heat resistant preformed part of two different materials. One layer is a guide plate (2) and the other an insulating plate (3). The guide plate in the installed state of the combustion chamber in a boiler lies adjacent to a boiler wall, and the insulating plate is set back or spaced away from the boiler wall. The guide plate is formed from a wear and erosion resistant material, and the insulating plate consists of a porous and condensation water absorbing material with low heat conductivity.

IPC 8 full level

**F23G 7/10** (2006.01); **F23M 5/00** (2006.01); **F27D 1/16** (2006.01)

CPC (source: EP)

**F23G 7/10** (2013.01); **F23M 5/00** (2013.01); **F27D 1/1621** (2013.01); **F23G 2203/403** (2013.01); **F23M 2900/05001** (2013.01); **F23M 2900/05004** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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