

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

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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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