

Title (en)
Heating device

Title (de)
Heizeinrichtung

Title (fr)
Appareil de chauffage

Publication
EP 1477734 B1 20131113 (DE)

Application
EP 04450070 A 20040329

Priority
AT 7392003 A 20030514

Abstract (en)
[origin: EP1477734A2] The combustion chamber has two laterally- positioned service openings (14,14'). A fuel feed pipe may introduce solid fuel through the first service opening from which it falls onto the grate. Primary air passes up into sector-shaped chambers under the grate and passes between the motor-driven overlapping concentric rings of the grate into the fuel bed. A double-walled structure (7) in the combustion chamber forms a tangential secondary air inlet (8). The secondary air flows in a horizontal direction, and sweeps burning combustible gases into a secondary combustion chamber (10). The combustion chamber has double walls and cooling water flows in and out through pipes (24,25).

IPC 8 full level
F23B 80/00 (2006.01); **F23B 10/02** (2011.01); **F23C 1/04** (2006.01); **F23G 5/16** (2006.01); **F23G 5/26** (2006.01); **F23G 5/32** (2006.01); **F23J 1/06** (2006.01); **F23L 1/02** (2006.01); **F23L 9/00** (2006.01); **F23L 9/04** (2006.01); **F23M 5/08** (2006.01)

CPC (source: EP)
F23B 5/04 (2013.01); **F23B 10/02** (2013.01); **F23B 80/00** (2013.01); **F23G 5/16** (2013.01); **F23G 5/26** (2013.01); **F23G 5/32** (2013.01); **F23J 1/06** (2013.01); **F23L 1/02** (2013.01); **F23L 9/04** (2013.01); **F23M 5/08** (2013.01); **F23G 2205/121** (2013.01)

Cited by
FR2917486A1; CN102330970A; CN103851626A; DE102008013891B4; EP1933092A1; CN102128719A

Designated contracting state (EPC)
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