

Title (en)  
Heating device

Title (de)  
Heizeinrichtung

Title (fr)  
Appareil de chauffage

Publication  
**EP 1477734 A3 20070530 (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 1-7  
**F23B 5/00; F23B 1/30**

IPC 8 full level  
**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); **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)

Citation (search report)  
• [X] EP 1085259 A1 20010321 - LIGNOTECH ENTWICKLUNG VON BIOM [AT]  
• [X] DE 29605801 U1 19960627 - FISCHER GEORG GMBH & CO [DE]  
• [A] EP 0727610 A2 19960821 - GEORG FISCHER MASCHINEN UND KE [AT]  
• [A] EP 0188073 A2 19860723 - WILLIAMS PAUL DOUGLAS [NZ]

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

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL LT LV MK

DOCDB simple family (publication)  
**EP 1477734 A2 20041117; EP 1477734 A3 20070530; EP 1477734 B1 20131113**; AT 412308 B 20041227; AT A7392003 A 20040515

DOCDB simple family (application)  
**EP 04450070 A 20040329**; AT 7392003 A 20030514