

Title (en)  
Heating boiler and its method of operation

Title (de)  
Heizkessel und Verfahren zu seinem Betreiben

Title (fr)  
Chaudière ainsi que son procédé de fonctionnement

Publication  
**EP 0798511 B1 20010530 (DE)**

Application  
**EP 97104267 A 19970313**

Priority  
DE 19612045 A 19960327

Abstract (en)  
[origin: EP0798511A2] A primary air duct (3) leads into the pyrolysis chamber (1). A flue gas duct (5) connects the bottom end of the pyrolysis chamber with one end of the elongated horizontal combustion chamber (4). A suction fan (7) is connected to the other end of the combustion chamber which is fed by a secondary air duct (6). The secondary air duct opens into the flue gas duct which opens radially into the combustion chamber. The combustion chamber has an axial inner ridge (9) opposite the flue gas duct.

IPC 1-7  
**F23B 5/04**; **F23B 7/00**

IPC 8 full level  
**F23L 9/00** (2006.01); **F23L 9/02** (2006.01); **F23L 9/04** (2006.01)

IPC 8 main group level  
**F24H** (2006.01)

CPC (source: EP)  
**F23B 5/04** (2013.01); **F23B 7/005** (2013.01)

Cited by  
EP1983258A3; DE10142444B4; EP2615369A1; US7498102B2

Designated contracting state (EPC)  
AT CH DK FI FR IT LI SE

DOCDB simple family (publication)  
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