

Title (en)
Heating boiler

Title (de)
Heizkessel

Title (fr)
Chaudière

Publication
EP 0798510 B1 20000621 (DE)

Application
EP 97101776 A 19970205

Priority
DE 19612403 A 19960328

Abstract (en)
[origin: EP0798510A2] The filler shaft (1) is filled with solid fuel, especially wood. A flow path leads from the filler shaft to a waste gas flue (11). The flow path leads via a combustion zone (9) and subsequent heat-exchange zone (10). The combustion zone with upward flow has at least one chimney-type combustion shaft (12) with vertical axis. The lower end of the combustion shaft is connected to the filler shaft by at least one inflow duct (13) opening into it at a tangent. Secondary air is introduced to the combustion shaft by at least one ventilation hole (15).

IPC 1-7
F23B 5/04; **F24B 1/02**

IPC 8 full level
F24B 1/02 (2006.01); **F24B 1/188** (2006.01); **F24B 1/19** (2006.01); **F24B 13/04** (2006.01)

CPC (source: EP)
F23B 10/02 (2013.01); **F24B 1/02** (2013.01)

Cited by
EP3798513A1; DE10142444B4; AT6578U3; FR3031573A1; CN115388459A; EP2762777A1; EP1085259A1; WO2014198758A1; DE202014010947U1

Designated contracting state (EPC)
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