

Title (en)
Boiler for combustion of wood

Title (de)
Heizkessel zur Verbrennung von Holz

Title (fr)
Chaudière à bois

Publication
EP 0964202 A3 20000315 (DE)

Application
EP 99111305 A 19990610

Priority
DE 19826492 A 19980613

Abstract (en)
[origin: EP0964202A2] The wood-fired boiler has a direct feed of primary (9) and secondary (10) air, through channels (4), at the lower end of the filling shaft zone and close to the flames and the ash extraction. The log combustion is concentrated and maintained at the lower end of the filling shaft (3). The filling shaft walls (8) are thin, with a suitable total surface insulation (12), to prevent heavy masses building up in the combustion zone. Charcoal formed at the lower section of the filling shaft is preserved by an airtight closure of the primary air feed (6), to be left in place for an emission-free relighting of the boiler.

IPC 1-7
F23B 5/04; **F23B 1/36**; **F23L 1/00**; **F23M 5/00**

IPC 8 full level
F23B 60/00 (2006.01); **F23L 1/00** (2006.01); **F23M 5/00** (2006.01)

CPC (source: EP US)
F23B 1/36 (2013.01 - EP); **F23B 5/04** (2013.01 - EP); **F23B 7/005** (2013.01 - EP); **F23L 1/00** (2013.01 - EP US); **F23M 5/00** (2013.01 - EP); **F23G 2209/261** (2013.01 - EP)

Citation (search report)

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- [X] GB 501940 A 19390308 - EDOUARD JEAN BAPTISTE COENEN
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- [A] EP 0011657 A1 19800611 - MIELE CARL
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