

Title (en)
Boiler for granular fuel

Title (de)
Heizkessel für körnige Brennstoffe

Title (fr)
Chaudière à combustible granulaire

Publication
EP 1757859 A1 20070228 (DE)

Application
EP 06450114 A 20060822

Priority
AT 13932005 A 20050824

Abstract (en)
The boiler has a feeding device (8) provided at a front wall (7) of a combustion chamber (1) to discharge the fuel on a grid. The feeding device includes a blower (10) with a suction pipe (11) that is provided with an air control valve (13), where a dosing screw (9) for the fuel opens out into the pipe. An exhaust gas discharge opening (2) is provided in an area of blower-side front wall in a cover (16) of the chamber. A front wall (14) facing the blower forms a conduction surface (15) for directing the exhaust gas along the cover to the opening (2).

IPC 8 full level
F23B 40/02 (2006.01); **F23B 80/04** (2006.01); **F23G 7/10** (2006.01); **F23K 3/02** (2006.01); **F23K 3/14** (2006.01); **F23M 9/06** (2006.01)

CPC (source: EP)
F23B 1/28 (2013.01); **F23B 1/38** (2013.01); **F23B 60/02** (2013.01); **F23B 80/04** (2013.01); **F23G 7/105** (2013.01); **F23K 3/02** (2013.01); **F23K 3/14** (2013.01); **F23M 9/06** (2013.01); **F23G 2205/121** (2013.01); **F23G 2205/20** (2013.01); **F23K 2203/201** (2013.01); **F23K 2203/202** (2013.01)

Citation (applicant)
• EP 1416224 A1 20040506 - WILDE ANDREAS ING [AT]
• DE 1451574 A1 19690320 - GROSSTUECK WERNER
• US 4528917 A 19850716 - JACOBS CLIFFORD S [US]

Citation (search report)
• [DY] US 4528917 A 19850716 - JACOBS CLIFFORD S [US]
• [DA] EP 1416224 A1 20040506 - WILDE ANDREAS ING [AT]
• [A] US 4856438 A 19890815 - PEUGH DEAN [US]
• [A] DE 29912760 U1 19990916 - WODTKE GMBH [DE]
• [A] US 4517903 A 19850521 - RICHMOND IAIN J [CA], et al
• [Y] PADINGER R: "OPTIMIERTE HOLZVERBRENNUNG", BWK BRENNSTOFF WARME KRAFT, SPRINGER VDI VERLAG, DUSSELDORF, DE, vol. 46, no. 7/8, 1 July 1994 (1994-07-01), pages 331 - 333, XP000444886, ISSN: 1618-193X

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RU2615241C1; PL425271A1; DE102008010235A1; DE102008010235B4

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Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1757859 A1 20070228; EP 1757859 B1 20101103; AT 502343 A1 20070315; AT 502343 B1 20071215; AT E487090 T1 20101115; DE 502006008218 D1 20101216; PL 1757859 T3 20110429

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