

Title (en)

Solid fuel combustion device and method of supplying air to such a device

Title (de)

Feststoffverbrennungsanlage und Verfahren zum Zuführen von Luft zu einer solchen

Title (fr)

Dispositif de combustion à combustible solide et procédé d'alimentation en air d'un tel dispositif

Publication

EP 1318351 B1 20071114 (DE)

Application

EP 02026516 A 20021127

Priority

DE 10160415 A 20011210

Abstract (en)

[origin: EP1318351A2] The solid fuel burner has a revolving grate (1) with hollow carrier arms (4) to guide the air feed through them. A following after burner chamber (3) is after the revolving grate. The combustion air is divided into three part-streams (L1-L3), with 12-28% of the total air volume passing through the carrier arms and 20-40% of the total air volume entering the after burner chamber. An opening (9) in the housing (2) allows 35-65% of the total air volume through.

IPC 8 full level

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CPC (source: EP)

F23B 1/24 (2013.01); **F23B 5/04** (2013.01); **F23G 5/22** (2013.01); **F23L 1/02** (2013.01); **F23L 9/02** (2013.01); **F23G 2202/103** (2013.01); **F23G 2203/203** (2013.01); **F23G 2209/261** (2013.01)

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