

Title (en)

Boiler for the combustion of solid fuel, in particular biomass

Title (de)

Heizkessel für die Verbrennung von festem Brennstoff, insbesondere für Biomasse

Title (fr)

Chaudière pour la combustion de carburant solide, en particulier de biomasse

Publication

EP 1614965 A3 20100915 (DE)

Application

EP 05009658 A 20050503

Priority

DE 202004010592 U 20040706

Abstract (en)

[origin: EP1614965A2] A burner for solid fuels, especially biomass fuels, has a horizontal flat fire bed (8) which extends out of the boiler at both ends and over which the fuel is moved using scrapers (20) fitted to an endless chain drive (18). The scrapers are designed to prevent jamming by non combustible items such as nails and stones and the speed and position of the scraper drive is set to best suit the type and consistency of the fuel. The ash is dropped into an ashcan (10) under the boiler.

IPC 8 full level

F23J 1/06 (2006.01); **F23B 30/00** (2006.01); **F23B 30/08** (2006.01); **F23B 40/04** (2006.01); **F23J 1/00** (2006.01)

CPC (source: EP)

F23B 1/08 (2013.01); **F23B 30/08** (2013.01); **F23B 40/04** (2013.01)

Citation (search report)

- [X] WO 9216791 A1 19921001 - PEDERSEN UFFE [DK]
- [X] EP 0060236 A2 19820915 - MEGARON HB [SE]
- [A] WO 8502007 A1 19850509 - SCANDIACONSULT AB [SE]
- [A] US 676930 A 19010625 - WEES ELIJAH FLEET [US], et al

Cited by

CN106949459A; CN101865474A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

DE 202004010592 U1 20051117; EP 1614965 A2 20060111; EP 1614965 A3 20100915; EP 1614965 B1 20140702

DOCDB simple family (application)

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