

Title (en)

Boiler for solid fuel

Title (de)

Heizkessel für die Verbrennung von festem Brennstoff

Title (fr)

Chaudière pour combustible solide

Publication

EP 2058589 A3 20091021 (DE)

Application

EP 08019476 A 20081107

Priority

DE 102007054114 A 20071110

Abstract (en)

[origin: EP2058589A2] The boiler (1) has a primary-air supply device arranged within a combustion chamber (11) and outside a combustion body (5). The supply device is designed for supplying air into a combustion zone, and for guiding over flue gases (13) generated during burning out and/or annealing of fuel (2) in burnout and/or annealing space (10), into the primary-air supply device and the combustion body to allow the flue gases of a combustion stage not to influence combustion of the fuel on the combustion body. The combustion body and the burnout and/or annealing space are arranged commonly in the chamber. An independent claim is also included for a method for producing heat energy during combustion of fuel in a boiler.

IPC 8 full level

F23B 40/04 (2006.01); **F23B 80/00** (2006.01)

CPC (source: EP US)

F23B 40/04 (2013.01 - EP US); **F23B 80/00** (2013.01 - EP US)

Citation (search report)

- [XD] EP 1288570 A2 20030305 - BOOS WERNER [DE]
- [A] US 4098200 A 19780704 - DAUVERGNE HECTOR A
- [A] EP 1498657 A1 20050119 - PERGE [FR]
- [A] EP 0409790 A1 19910123 - HAGER WILLI [CH]

Cited by

CN104266224A; CN112377893A; DE202009008869U1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2058589 A2 20090513; **EP 2058589 A3 20091021**; **EP 2058589 B1 20120425**; AT E555348 T1 20120515; DE 102007054114 A1 20090520; US 2009120337 A1 20090514; US 8176882 B2 20120515

DOCDB simple family (application)

EP 08019476 A 20081107; AT 08019476 T 20081107; DE 102007054114 A 20071110; US 26791508 A 20081110