

Title (en)

Granule or pellet boiler with cyclonic combustion

Title (de)

Granulat- oder Pelletheizkessel mit zyklonischer Verbrennung

Title (fr)

Chaudière à granulé ou à pellet à combustion cyclonique

Publication

**EP 2685158 A3 20150422 (FR)**

Application

**EP 13175694 A 20130709**

Priority

FR 1256634 A 20120710

Abstract (en)

[origin: EP2685158A2] The boiler (1) has a combustion chamber (3) arranged within a reservoir (2). The granules are poured into the combustion chamber through a vertical feed pipe (5). The amount of pellets flows in a combustion crucible (6) is adjusted when the pellets are obstructed in the pipe. A height adjustable cup (7) is supplied with oxidizer i.e. air, through a supply tube (8) and/or a cooling tube (9). The feeding pipe is inserted into the cooling tube, in which the secondary air is circulated, where the feeding pipe and the cooling tube are surrounded by a refractory thermal protection unit (10).

IPC 8 full level

**F23B 50/02** (2006.01); **F24B 5/02** (2006.01); **F24B 13/04** (2006.01)

CPC (source: EP)

**F23B 50/02** (2013.01)

Citation (search report)

- [A] WO 02084174 A1 20021024 - PM EN AS [DK], et al
- [A] EP 1850071 A2 20071031 - RAINER JOHANN [AT]
- [A] FR 829471 A 19380628

Cited by

ES2569752A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2685158 A2 20140115**; **EP 2685158 A3 20150422**; FR 2993346 A1 20140117

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**EP 13175694 A 20130709**; FR 1256634 A 20120710