

Title (en)

A COMBUSTION UNIT WITH A CYCLONIC COMBUSTION CHAMBER

Title (de)

VERBRENNUNGSEINHEIT MIT ZYKLONBRENNKAMMER

Title (fr)

UNITÉ DE COMBUSTION DOTÉE D'UNE CHAMBRE DE COMBUSTION CYCLONIQUE

Publication

**EP 4296567 A1 20231227 (EN)**

Application

**EP 22382592 A 20220622**

Priority

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Abstract (en)

The present invention relates to a combustion unit (1) comprising a cyclonic combustion chamber (10), with an internal shell (11) having a gravity discharge outlet (15) for the ashes generated during combustion, and a vibration mechanism (6) of the chamber (10) that cyclically impresses to the ashes accumulated on the bottom of the internal shell (11) an upward thrust with an horizontal component in the direction of the rear end (13) of the internal shell (11) in which the aforementioned discharge outlet (15) for the ashes is located.

IPC 8 full level

**F23C 3/00** (2006.01); **F23C 7/00** (2006.01); **F23J 1/06** (2006.01)

CPC (source: EP)

**F23C 3/006** (2013.01); **F23C 7/00** (2013.01); **F23J 1/06** (2013.01); **F23G 2203/30** (2013.01)

Citation (applicant)

- EP 2944875 A1 20151118 - JULIO BERKES S A [UY]
- EP 2413033 A2 20120201 - AIR PROD & CHEM [US]
- EP 0170125 A2 19860205 - RIPPELTON NV [NL]
- US 2009120336 A1 20090514 - CHAPIN DAVID M [US], et al

Citation (search report)

- [AD] EP 0170125 A2 19860205 - RIPPELTON NV [NL]
- [A] US 2395103 A 19460219 - JUAN CLAUS HERIBERTO ENRIQUE G, et al
- [A] CN 107763637 A 20180306 - CHENGDU YUANSHI INFORMATION TECH CO LTD

Designated contracting state (EPC)

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