

Title (en)

MULTI CHAMBER INCINERATOR FOR TURBULENT COMBUSTION OF SOLID AND BIOMASS FUEL

Title (de)

MEHRKAMMER-VERBRENNUNGSANLAGE ZUR TURBULENTEN VERBRENNUNG VON FESTSTOFF- UND BIOMASSEBRENNSTOFFEN

Title (fr)

INCINÉRATEUR MULTI-CHAMBRES POUR LA COMBUSTION TURBULENTE DE COMBUSTIBLE SOLIDE ET DE BIOMASSE

Publication

**EP 3535521 A1 20190911 (EN)**

Application

**EP 16805542 A 20161003**

Priority

TR 2016050364 W 20161003

Abstract (en)

[origin: WO2018067078A1] The present invention relates to a multi chamber incinerator for turbulent two-stage combustion of fuel, such as coal or biomass fuel, with increased efficiency and low emission. The present invention more particularly relates to a turbulent combustion incinerator (10) comprising of a main combustion chamber (11) and a secondary combustion chamber (12) being separated by a heat collecting dome (22a) for turbulent combustion of fuel. The secondary combustion chamber comprises a first division (12a) and a second division (12b), which are separated by a further heat collecting dome (22b).

IPC 8 full level

**F23B 50/12** (2006.01); **F23B 10/00** (2011.01); **F23B 70/00** (2006.01); **F23M 9/06** (2006.01)

CPC (source: EP)

**F23B 10/00** (2013.01); **F23B 40/04** (2013.01); **F23B 50/12** (2013.01); **F23B 70/00** (2013.01); **F23B 80/04** (2013.01); **F23M 9/06** (2013.01)

Citation (search report)

See references of WO 2018067078A1

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)

**WO 2018067078 A1 20180412**; EP 3535521 A1 20190911; EP 3535521 B1 20210106

DOCDB simple family (application)

**TR 2016050364 W 20161003**; EP 16805542 A 20161003