

Title (en)

METHOD FOR OPTIMISING THE BURNOUT OF EXHAUST GASES OF AN INCINERATOR

Title (de)

VERFAHREN ZUR OPTIMIERUNG DES AUSBRANDS VON ABGASEN EINER VERBRENNUNGSANLAGE

Title (fr)

PROCÉDÉ D'OPTIMISATION DE LA COMBUSTION TOTALE DES GAZ D'ÉCHAPPEMENT D'UNE INSTALLATION DE COMBUSTION

Publication

EP 2691701 B1 20170823 (DE)

Application

EP 12712955 A 20120328

Priority

- EP 11002575 A 20110329
- EP 2012001361 W 20120328
- EP 12712955 A 20120328

Abstract (en)

[origin: EP2505919A1] The method involves introducing the solid matter (2) to be burnt into a combustion space (8) defining a primary combustion chamber (12) through an inlet (6). The solid matter burns in the primary combustion chamber in form of a burning bed (14) by supplying primary air and the burnt solid matter is delivered from the primary combustion chamber through an outlet (18) arranged against the inlet in supply direction (F). The combustion space is arranged downstream to another combustion space (27) in flow direction of the combustion gases and defines a secondary combustion chamber (28). An independent claim is included for a combustion chamber comprises a peripheral wall.

IPC 8 full level

F23G 5/16 (2006.01); **F23L 7/00** (2006.01); **F23L 9/02** (2006.01)

CPC (source: EP US)

F23G 5/16 (2013.01 - US); **F23G 5/165** (2013.01 - EP US); **F23L 7/00** (2013.01 - EP US); **F23L 9/00** (2013.01 - EP US); **F23L 9/02** (2013.01 - EP US); **F23L 2900/07002** (2013.01 - EP US)

Citation (examination)

JP 2009121747 A 20090604 - HITACHI SHIPBUILDING ENG CO

Citation (opposition)

Opponent : Doosan Lentjes GmbH

- EP 1508745 A2 20050223 - FISIA BABCOCK ENVIRONMENT GMBH [DE]
- DE 102004037442 A1 20060316 - ALSTOM TECHNOLOGY LTD BADEN [CH]
- US 5313895 A 19940524 - SEKIGUCHI YOSHITOSHI [JP], et al
- EP 1077077 A2 20010221 - ABB SCHWEIZ AG [CH]
- EP 1081434 A1 20010307 - VON ROLL UMWELTECHNIK AG [CH]
- DD, MASSNAHMEN ZUR MINDERUNG FEUERRAUMSEITIGER KORROSIONEN, no. hh
- REIMANN D.O.: "Rostfeuerung zur Abfallverbrennung", article FERDINAND KRULL, WALTER BIENERT: "Von der konventionellen W alzenrostfeuerung zurfreiprogrammierbaren Feuerleistungsregelung mitOptimierung der Feuerraumgeometriein der MV A Diisseldorf", pages: 519 - 546
- F. KRÜL L: "Verfahren zur numerischen Simulation von Müllrostfeuerung", DISSERTATION, 2001, pages 1 - 237, XP055491976
- KRULL: "Die Auswirkung unterschiedlicher Sekundärluftverteilungen auf den Verbrennungsablauf in einer Müllrostfeuerung", pages 1 - 6
- OBERNBERGER: "Abbrand- und NOx-Simulation für Biomassefeuerung", BMVIT, September 2003 (2003-09-01), pages 1 - 155, XP002407054

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DOCDB simple family (application)

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