

Title (en)

METHOD FOR PROCESSING CONDENSED FUEL BY GASIFICATION AND A DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR VERARBEITUNG VON KONDENSIERTEM BRENNSTOFF MITTELS VERGASUNG UND VORRICHTUNG ZUR AUSFÜHRUNG DIESER VERFAHRENS

Title (fr)

PROCÉDÉ DE TRAITEMENT DE COMBUSTIBLES CONDENSÉS PAR GAZÉIFICATION ET DISPOSITIF PERMETTANT SA MISE EN OEUVRE

Publication

EP 2014744 A4 20120411 (EN)

Application

EP 07747908 A 20070424

Priority

- RU 2007000200 W 20070424
- RU 2006114599 A 20060502

Abstract (en)

[origin: EP2014744A1] The invention relates to a method for processing condensed fuels, including solid fuel wastes, by pyrolysis and by gasifying the organic constituent thereof. The inventive method can be used for efficiently processing fuels, including fine-dispersed and easily sintering fuels. The inventive method consists in loading a condensed fuel in a reactor to which a gasifying oxygen-containing agent is supplied in a countercurrent manner, in organising a fuel pyrolysis in the reactor and, subsequently, in burning/gasifying pyrolysis carbon residues in the fuel dense layer. The reactor is embodied in the form of a rotary tilting furnace whose tilt angle to the horizon is equal to 22-65° and which is rotatable for stabilising a burning process. Combustible gases produced during pyrolysis and gasification can be used in the form of a fuel.

IPC 8 full level

C10J 3/00 (2006.01); **C10J 3/14** (2006.01); **C10J 3/30** (2006.01); **C10J 3/32** (2006.01); **F23G 5/027** (2006.01); **F23G 5/20** (2006.01); **F23J 1/02** (2006.01); **F27B 7/00** (2006.01)

CPC (source: EP)

C10J 3/005 (2013.01); **C10J 3/14** (2013.01); **C10J 3/30** (2013.01); **C10J 3/32** (2013.01); **F23G 5/0276** (2013.01); **F23G 5/20** (2013.01); **F23J 1/02** (2013.01); **C10J 2200/09** (2013.01); **C10J 2200/156** (2013.01); **C10J 2300/1223** (2013.01); **F23G 2201/303** (2013.01); **F23G 2201/304** (2013.01); **F23G 2205/18** (2013.01); **F23G 2900/52002** (2013.01); **F23J 2900/01007** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2014744 A1 20090114; **EP 2014744 A4 20120411**; **EP 2014744 B1 20151118**; CA 2650979 A1 20071108; CY 1117202 T1 20170405; JP 2009535478 A 20091001; PL 2014744 T3 20160429; RU 2006114599 A 20071127; RU 2322641 C2 20080420; WO 2007126335 A1 20071108

DOCDB simple family (application)

EP 07747908 A 20070424; CA 2650979 A 20070424; CY 161100130 T 20160216; JP 2009509473 A 20070424; PL 07747908 T 20070424; RU 2006114599 A 20060502; RU 2007000200 W 20070424