

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 DIESES VERFAHRENS

Title (fr)

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

Publication

EP 2014744 A1 20090114 (EN)

Application

EP 07747908 A 20070424

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Abstract (en)

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

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CPC (source: EP)

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Cited by

PL424346A1; US10421919B2; GB2527829A; EE201900032A; NO20201414A1; NO346728B1; EE05863B1

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