

Title (en)

METHOD AND DEVICE FOR OPTIMISED FLUID BED GASIFICATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OPTIMIERTEN WIRBELSCHICHTVERGASUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF D'OPTIMISATION DE GAZÉIFICATION EN LIT FLUIDISÉ

Publication

EP 2013318 A1 20090114 (DE)

Application

EP 07726774 A 20070309

Priority

- EP 2007052259 W 20070309
- DE 102006019999 A 20060426
- DE 102006022265 A 20060511

Abstract (en)

[origin: DE102006022265A1] The method involves providing a gasifier, which has an impulse burner, with a fluidized bed in the gasifier. The fluidized bed is held in a controlled movement by a driving nozzle that feeds water vapor and/or synthesis gas in a reactor in such a manner that a reaction zone is enlarged. The driving nozzle is arranged underneath the fluidized bed, where the movement of the fluidized bed is controlled and regulated by jet nozzles. The enlargement of the reaction zone is achieved for flash pyrolysis. An independent claim is also included for a device for gasification of ingredient in synthesis gas.

IPC 8 full level

C10J 3/50 (2006.01); **C10J 3/56** (2006.01)

CPC (source: EP US)

C10J 3/463 (2013.01 - EP US); **C10J 3/482** (2013.01 - EP US); **C10J 3/503** (2013.01 - EP US); **C10J 3/56** (2013.01 - EP US); **C10J 2200/152** (2013.01 - EP US); **C10J 2300/0916** (2013.01 - EP US); **C10J 2300/0936** (2013.01 - EP US); **C10J 2300/0956** (2013.01 - EP US); **C10J 2300/0973** (2013.01 - EP US); **C10J 2300/0983** (2013.01 - EP US); **C10J 2300/1261** (2013.01 - EP US); **C10J 2300/1807** (2013.01 - EP US); **C10J 2300/1823** (2013.01 - EP US); **Y02P 20/145** (2015.11 - EP US)

Citation (search report)

See references of WO 2007124973A1

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 102006022265 A1 20071031; EP 2013318 A1 20090114; US 2009094893 A1 20090416; WO 2007124973 A1 20071108

DOCDB simple family (application)

DE 102006022265 A 20060511; EP 07726774 A 20070309; EP 2007052259 W 20070309; US 25053108 A 20081013