

Title (en)

DEVICE AND METHOD FOR PRODUCING A FINE-GRAINED FUEL BY DRYING AND IMPACT CRUSHING

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERZEUGUNG EINES FEINKÖRNIgen BRENNSTOFFS DURCH TROCKNUNG UND PRALLZERKLEINERUNG

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR PRODUIRE UN COMBUSTIBLE À GRAINS FINS PAR SÉCHAGE ET BROYAGE PAR IMPACT

Publication

EP 2531302 A2 20121212 (DE)

Application

EP 11705431 A 20110126

Priority

- DE 102010006916 A 20100204
- EP 2011000336 W 20110126

Abstract (en)

[origin: CA2786797A1] The invention relates to a device and method for producing a fine-grained fuel, in particular from solid, paste-like or aqueous energy feed stocks, by drying and crushing, comprising an impact reactor having a rotor and impact elements, a labyrinth seal in the region of the rotor shaft of the impact reactor, a device for feeding hot drying gas through the labyrinth seal into the impact reactor and at least one further feed device for hot drying gas in the bottom region of the impact reactor, a feed device for solid or paste-like energy feed stocks in the top region of the impact reactor, at least one extractor device for a gas flow containing crushed and dried energy feedstock particles, and a device for separating and extracting crushed and dried energy feed stock particles from the gas flow extracted from the impact reactor.

IPC 8 full level

B02C 13/288 (2006.01); **B02C 13/14** (2006.01); **B02C 23/26** (2006.01)

CPC (source: EP KR US)

B02C 13/14 (2013.01 - EP KR US); **B02C 13/288** (2013.01 - EP KR US); **B02C 23/26** (2013.01 - EP KR US); **F23G 5/033** (2013.01 - US); **F23G 5/04** (2013.01 - US); **F23G 5/46** (2013.01 - US)

Citation (search report)

See references of WO 2011095295A2

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

DOCDB simple family (publication)

DE 102010006916 A1 20110804; AU 2011212726 A1 20120719; AU 2011212726 B2 20140710; CA 2786797 A1 20110811; CN 102834179 A 20121219; DK 2531302 T3 20140331; EP 2531302 A2 20121212; EP 2531302 B1 20131218; ES 2464277 T3 20140602; KR 20130009757 A 20130123; MX 2012009040 A 20121129; PL 2531302 T3 20150130; RU 2012135070 A 20140310; TW 201134553 A 20111016; UA 105407 C2 20140512; US 2013199424 A1 20130808; WO 2011095295 A2 20110811; WO 2011095295 A3 20111229; ZA 201204799 B 20140326

DOCDB simple family (application)

DE 102010006916 A 20100204; AU 2011212726 A 20110126; CA 2786797 A 20110126; CN 201180007071 A 20110126; DK 11705431 T 20110126; EP 11705431 A 20110126; EP 2011000336 W 20110126; ES 11705431 T 20110126; KR 20127022810 A 20110126; MX 2012009040 A 20110126; PL 11705431 T 20110126; RU 2012135070 A 20110126; TW 100103868 A 20110201; UA A201207985 A 20110126; US 201113577306 A 20110126; ZA 201204799 A 20120627