

Title (en)

DEVICE, METHOD AND USE OF A REACTOR FOR PRODUCING STARTING MATERIALS, COMBUSTIBLE SUBSTANCES AND FUELS FROM ORGANIC SUBSTANCES

Title (de)

VORRICHTUNG UND VERFAHREN SOWIE VERWENDUNG EINES REAKTORS ZUR HERSTELLUNG VON ROH-, BRENN- UND KRAFTSTOFFEN AUS ORGANISCHEN SUBSTANZEN

Title (fr)

DISPOSITIF, PROCÉDÉ ET UTILISATION D'UN RÉACTEUR POUR PRODUIRE DES MATIÈRES PREMIÈRES, DES COMBUSTIBLES ET DES CARBURANTS À PARTIR DE SUBSTANCES ORGANIQUES

Publication

EP 2280776 A2 20110209 (DE)

Application

EP 09734729 A 20090424

Priority

- EP 2009003022 W 20090424
- DE 102008021628 A 20080425

Abstract (en)

[origin: WO2009130045A2] The invention relates to a device for producing starting materials, combustible substances and fuels from organic substances. Said device comprises a reactor (10) that comprises a feeding device (11) for the organic substances, a discharge device (12) for the reaction products, and a device (13) for supplying reaction energy for the transformation of organic substances into the reaction products. The invention is characterised in that the reactor (10) comprises a device (14) for forming a circulating flow inside the reactor.

IPC 8 full level

B01J 8/00 (2006.01); **B01J 8/22** (2006.01); **C10G 1/02** (2006.01)

CPC (source: EP US)

B01J 8/003 (2013.01 - EP US); **B01J 8/004** (2013.01 - EP US); **B01J 8/0045** (2013.01 - EP US); **B01J 8/20** (2013.01 - US);
B01J 8/224 (2013.01 - US); **B01J 8/226** (2013.01 - EP US); **B01J 8/228** (2013.01 - EP US); **B01J 19/2455** (2013.01 - US);
B01J 19/246 (2013.01 - US); **B01J 19/2465** (2013.01 - US); **B01J 19/26** (2013.01 - US); **C10G 1/02** (2013.01 - EP US);
B01J 2208/00106 (2013.01 - EP US); **B01J 2208/00442** (2013.01 - EP US); **B01J 2208/00752** (2013.01 - EP US);
B01J 2208/00902 (2013.01 - US); **B01J 2219/00247** (2013.01 - EP US); **C10G 2300/1011** (2013.01 - EP US); **Y02P 30/20** (2015.11 - EP US)

Citation (search report)

See references of WO 2009130045A2

Citation (examination)

- DE 19854637 A1 20000531 - BASF AG [DE]
- DE 19932821 A1 20010118 - BASF AG [DE]

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009130045 A2 20091029; WO 2009130045 A3 20091223; BR PI0907327 A2 20160705; CA 2721201 A1 20091029;
CA 2721201 C 20140128; DE 102008021628 A1 20091224; EP 2280776 A2 20110209; RU 2010141174 A 20120527; RU 2474468 C2 20130210;
UA 102090 C2 20130610; US 2011219670 A1 20110915; US 9592485 B2 20170314

DOCDB simple family (application)

EP 2009003022 W 20090424; BR PI0907327 A 20090424; CA 2721201 A 20090424; DE 102008021628 A 20080425; EP 09734729 A 20090424;
RU 2010141174 A 20090424; UA A201011864 A 20090424; US 98913809 A 20090424