

Title (en)

Process for calaytic cracking of heavy volatile hydrocarbons

Title (de)

Verfahren zur katalytischen Spaltung von flüchtigen höheren Kohlenwasserstoffen

Title (fr)

Procédé de craquage catalytique d'hydrocarbures volatils lourds

Publication

EP 1031623 B1 20070613 (DE)

Application

EP 00101992 A 20000202

Priority

DE 19907901 A 19990224

Abstract (en)

[origin: EP1031623A2] Process for catalytically splitting carbonaceous material during gasification at 700-1200 (preferably 850-950) degrees C comprises using a fluidized bed made up of particles selected from oxides, hydroxides and carbonates of calcium, aluminum, silicon, nickel, titanium, iron, cobalt, and molybdenum in a stoichiometric excess.

IPC 8 full level

C10J 3/54 (2006.01); **C10G 11/18** (2006.01)

CPC (source: EP)

C10G 11/18 (2013.01); **C10J 3/482** (2013.01); **C10J 3/54** (2013.01); **C10K 1/024** (2013.01); **C10K 1/026** (2013.01); **C10K 3/023** (2013.01); **C10J 2300/092** (2013.01); **C10J 2300/0996** (2013.01); **C10J 2300/1807** (2013.01); **C10J 2300/1884** (2013.01)

Citation (examination)

- "Catalytic hot gas cleaning of gasification gas", VALTION TEKNIILLINEN TUTKIMUSKESKUS (VTT), 1997, VTT Publication 330
- "Biomass Gasification and Pyrolysis", August 1997, M. KALTSCHMITT & A.V. BRIDGEWATER, EUROPEAN COMMISSION
- IND. ENG. RES., vol. 36, 1997, pages 5220 - 5226
- IND. ENG. RES., vol. 36, 1997, pages 3800 - 3808
- IND. ENG. RES., vol. 36, 1997, pages 5227 - 5239
- POWDER TECHNOLOGY, vol. 93, 1997, pages 93 - 100

Cited by

EP1142981A3; CN102827641A; AU2009282334B2; CN114836225A; EP2316280A1; WO2010019319A3; WO2010019319A2; US8460410B2; US8888876B2

Designated contracting state (EPC)

AT DE FR GB IT NL

DOCDB simple family (publication)

EP 1031623 A2 20000830; EP 1031623 A3 20021218; EP 1031623 B1 20070613; AT E364672 T1 20070715; DE 19907901 A1 20000907; DE 19907901 C2 20011129; DE 50014394 D1 20070726

DOCDB simple family (application)

EP 00101992 A 20000202; AT 00101992 T 20000202; DE 19907901 A 19990224; DE 50014394 T 20000202