

Title (en)
METHOD AND DEVICE FOR THE PRODUCTION OF ENERGY, FUELS, OR CHEMICAL RAW MATERIALS USING CO₂-NEUTRAL BIOGENIC STARTER MATERIALS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON ENERGIE, TREIBSTOFFEN ODER CHEMISCHEN ROHSTOFFEN UNTER EINSATZ VON CO₂-NEUTRALEN BIOGENEN EINSATZSTOFFEN

Title (fr)
PROCÉDÉ ET DISPOSITIF DE PRÉPARATION D'ÉNERGIE, DE CARBURANTS OU DE MATIÈRES PREMIÈRES CHIMIQUES PAR MISE EN UVRE DE SUBSTANCES BIOGÈNES À BILAN CO₂ NEUTRE

Publication
EP 2126006 A1 20091202 (DE)

Application
EP 08701376 A 20080110

Priority
• EP 2008050223 W 20080110
• DE 102007004294 A 20070123

Abstract (en)
[origin: WO2008090028A1] A method for the production of energy, fuels, and/or chemical raw materials, comprising the following steps: allothermic steam gasification of renewable raw materials and/or waste gases of the subsequent process by means of an impulse burner; gas scrubbing; gas cooling; gas compression to the levels required for the subsequent processes; shift reaction for converting the CO to H₂, adjustment of the H₂/CO ratio of the raw biosynthesis gas to the requirements of the; gas scrubbing, removal of trace materials which are catalyst poisons for the following process steps; for example, described according to the Rectisol process; production of one or several of the following products: methanol synthesis for the production of methanol as a fuel and raw material for chemical products and fuels; Fischer-Tropsch synthesis and workup of the products to make fuel; production of H₂ based on the biosynthesis gas.

IPC 8 full level
C10J 3/48 (2006.01)

CPC (source: EP)
C10G 2/32 (2013.01); **C10J 3/463** (2013.01); **C10K 1/024** (2013.01); **C10K 1/026** (2013.01); **C10K 1/16** (2013.01); **C10K 1/18** (2013.01); **C10J 2300/0916** (2013.01); **C10J 2300/1261** (2013.01); **C10J 2300/1659** (2013.01); **C10J 2300/1665** (2013.01); **C10J 2300/1668** (2013.01); **Y02E 50/10** (2013.01); **Y02P 20/129** (2015.11); **Y02P 20/141** (2015.11)

Citation (search report)
See references of WO 2008090028A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102007004294 A1 20080724; EP 2126006 A1 20091202; WO 2008090028 A1 20080731

DOCDB simple family (application)
DE 102007004294 A 20070123; EP 08701376 A 20080110; EP 2008050223 W 20080110