

Title (en)

METHOD AND DEVICE FOR OBTAINING COMBUSTIBLE FUELS AND GASES FROM ORGANIC MATERIALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR GEWINNUNG VON BRENNBAREN TREIBSTOFFEN UND GASEN AUS ORGANISCHEN STOFFEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR L'OBTENTION DE CARBURANTS ET GAZ COMBUSTIBLES À PARTIR DE SUBSTANCES ORGANIQUES

Publication

**EP 2536495 B1 20190410 (DE)**

Application

**EP 10705328 A 20100216**

Priority

EP 2010051938 W 20100216

Abstract (en)

[origin: WO2011101020A1] The invention relates to a method for obtaining combustible fuels and gases from organic materials (1), wherein the organic materials (1) are thermally decomposed and thereby the combustible fuels and gases are formed and carbon is formed. The carbon produced in the thermal decomposition is reacted in a steam atmosphere to form carbon monoxide and hydrogen in a synthesis process following the decomposition. The invention further relates to a corresponding hybrid device, comprising a decomposition reactor (5) and to a synthesis reactor (10).

IPC 8 full level

**B01J 19/20** (2006.01); **C10J 3/10** (2006.01); **C10J 3/66** (2006.01)

CPC (source: EP)

**C10J 3/007** (2013.01); **C10J 3/10** (2013.01); **C10J 3/66** (2013.01); **C10J 2200/156** (2013.01); **C10J 2300/0909** (2013.01); **C10J 2300/0973** (2013.01); **C10J 2300/1246** (2013.01)

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 SM TR

DOCDB simple family (publication)

**WO 2011101020 A1 20110825**; DK 2536495 T3 20190722; EP 2536495 A1 20121226; EP 2536495 B1 20190410; ES 2734519 T3 20191210; PT 2536495 T 20190716

DOCDB simple family (application)

**EP 2010051938 W 20100216**; DK 10705328 T 20100216; EP 10705328 A 20100216; ES 10705328 T 20100216; PT 10705328 T 20100216