

Title (en)

METHOD FOR OPERATING A GASIFICATION REACTOR

Title (de)

VERFAHREN ZUM BETREIBEN EINES VERGASUNGSREAKTORS

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UN RÉACTEUR À GAZÉIFICATION

Publication

**EP 2771437 A1 20140903 (DE)**

Application

**EP 12783523 A 20121026**

Priority

- DE 102011117140 A 20111028
- EP 2012004503 W 20121026

Abstract (en)

[origin: WO2013060474A1] The aim of a method for operating a gasification reactor (1) that comprises a reaction chamber (4) for the autothermic and/or allothermic gasification of carbonaceous combustible material into useful gases is to improve the efficiency of a gasification reactor for gasifying carbonaceous combustible material into useful gases with respect to useful gas yield and thermal yield as well as to the operational stability of the gasification reactor. To this end, the composition, quantity, pressure, speed, temperature and/or specific discharge pulse of a gasification agent that is fed via control inlets (10) of the reaction chamber (4) are controlled in a variable manner by means of a number of controlled variables that are detected in the reaction chamber (4), the composition (34) of the useful gas and/or the volume flow (30) of the useful gas and/or the respective pressure (36) in a reservoir (3) for the combustible material, in the reaction chamber (4) and/or in a gas outlet (8) being used as a controlled variable (30, 32, 34, 36, 38, 40).

IPC 8 full level

**C10J 3/72** (2006.01)

CPC (source: EP)

**C10J 3/26** (2013.01); **C10J 3/36** (2013.01); **C10J 3/723** (2013.01); **C10J 3/78** (2013.01); **C10J 2300/093** (2013.01); **C10J 2300/0956** (2013.01); **Y02E 20/18** (2013.01)

Citation (search report)

See references of WO 2013060474A1

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 102011117140 A1 20130502**; EP 2771437 A1 20140903; WO 2013060474 A1 20130502

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