

Title (en)

METHOD AND APPARATUS FOR THE AUTOMATIC REMOVAL OF AN EXCESS OF CARBON IN A GASIFICATION REACTOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR AUTOMATISCHEN ENTFERNUNG EINES KOHLENSTOFFÜBERSCHUSSES IN EINEM VERGASUNGSREAKTOR

Title (fr)

PROCÉDÉ ET DISPOSITIF D'ÉLIMINATION AUTOMATIQUE D'UN EXCÈS DE CARBONE DANS UN RÉACTEUR DE GAZÉIFICATION

Publication

EP 2771438 A1 20140903 (DE)

Application

EP 12786817 A 20121025

Priority

- DE 102011117141 A 20111028
- EP 2012004458 W 20121025

Abstract (en)

[origin: WO2013060457A1] A method for the automatic removal of an excess of carbon in a gasification reactor (1) having a reaction chamber (4) for the autothermal and/or allothermal gasification of carbon-containing fuel to form useful gases should make it possible to realize particularly high efficiency and particularly high operational reliability while placing lower demands on the fuel used during operation of a gasification reactor. For this purpose, in the event of a predefined value characteristic of the amount of excess carbon in the reaction chamber (4) being exceeded, the composition, amount, pressure, speed, temperature and/or specific outlet pulse of a gasification agent metered into the reaction chamber (4) are changed such that a combustion of the excess of carbon is intensified.

IPC 8 full level

C10J 3/34 (2006.01); **C10J 3/72** (2006.01)

CPC (source: EP)

C10J 3/34 (2013.01); **C10J 3/723** (2013.01); **C10J 2300/092** (2013.01); **C10J 2300/0956** (2013.01); **C10J 2300/0976** (2013.01); **C10J 2300/1637** (2013.01)

Citation (search report)

See references of WO 2013060457A1

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 102011117141 A1 20130502; EP 2771438 A1 20140903; WO 2013060457 A1 20130502

DOCDB simple family (application)

DE 102011117141 A 20111028; EP 12786817 A 20121025; EP 2012004458 W 20121025