

Title (en)

METHOD FOR PRODUCING SYNTHESIS GAS FOR CONVERSION TO PRODUCTS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SYNTHESSEGAS FÜR DIE UMSETZUNG ZU PRODUKTEN

Title (fr)

PROCÉDÉ DE PRODUCTION DE GAZ DE SYNTHÈSE DESTINÉS À ÊTRE TRANSFORMÉS EN PRODUITS

Publication

**EP 2981596 A1 20160210 (DE)**

Application

**EP 14714167 A 20140325**

Priority

- DE 102013103356 A 20130404
- EP 2014000799 W 20140325

Abstract (en)

[origin: WO2014161640A1] The invention relates to a method for producing synthesis gas for conversion to products, in particular for synthesis gas liquefaction. In order to develop the method further in such a manner that an increase in the synthesis gas production is achieved, the following method steps are carried out: a) feeding a carbon-containing fuel (1) into a reactor (6) in which the fuel (1) is converted to a crude synthesis gas (2); b) purifying the crude synthesis gas (2), wherein the purified synthesis gas (2) with resulting methane is fed as main synthesis gas flow (3) to the synthesis gas conversion, during which an exhaust gas (4) is also produced; c) converting the produced exhaust gas (4) into a pure synthesis gas (5) and feeding the pure synthesis gas into the main synthesis gas flow (3).

IPC 8 full level

**C10J 3/46** (2006.01)

CPC (source: EP)

**C10J 3/46** (2013.01); **C10J 2300/0956** (2013.01); **C10J 2300/0959** (2013.01); **C10J 2300/0976** (2013.01); **C10J 2300/1659** (2013.01); **C10J 2300/1807** (2013.01)

Citation (search report)

See references of WO 2014161640A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102013103356 A1 20141009**; BR 112015025226 A2 20170718; CN 105247017 A 20160113; EP 2981596 A1 20160210; TW 201443220 A 20141116; WO 2014161640 A1 20141009; WO 2014161640 A8 20151022

DOCDB simple family (application)

**DE 102013103356 A 20130404**; BR 112015025226 A 20140325; CN 201480030161 A 20140325; EP 14714167 A 20140325; EP 2014000799 W 20140325; TW 103112192 A 20140401