

Title (en)

APPARATUS AND METHOD FOR PRODUCING SYNTHESIS GAS

Title (de)

VORRICHTUNG UND EIN VERFAHREN ZUR HERSTELLUNG VON SYNTHESSEGAS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE PRODUCTION DE GAZ DE SYNTHÈSE

Publication

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Application

EP 16757688 A 20160712

Priority

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- FR 2016051792 W 20160712

Abstract (en)

[origin: WO2017009576A1] The invention relates to a synthetic gas production device (10) comprising: an isothermal methanation reactor (105) comprising: an inlet (110) which is intended for syngas produced by gasification of hydrocarbon material and is connected to a syngas supply channel (115) and an outlet (120) for synthetic natural gas; a water separation means (125) comprising: an inlet (130) for synthetic natural gas and an outlet (135) for dehydrated synthetic natural gas; and a bypass (140) for a portion of the dehydrated synthetic natural gas from the outlet of the water separation means to the syngas supply channel in order to supply a mixture of the bypassed syngas and synthetic natural gas to the reactor.

IPC 8 full level

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CPC (source: EP KR)

C10L 3/08 (2013.01 - EP KR); **C10L 3/104** (2013.01 - EP KR); **C10L 3/106** (2013.01 - EP KR)

Citation (examination)

WO 2015011503 A1 20150129 - ADVANCED PLASMA POWER LTD [GB], et al

Cited by

FR3137592A1; WO2024008743A1

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