

Title (en)

METHOD FOR PRODUCING SUBSTITUTE NATURAL GAS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SYNTHETISCHEM ERDGAS

Title (fr)

PROCÉDÉ DE PRODUCTION DE GAZ NATUREL DE SUBSTITUTION

Publication

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Application

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Abstract (en)

[origin: WO2012013266A1] The invention relates to a method for producing substitute natural gas (SNG) which is supplied into a downstream pipeline system, at the feeding pressure and in an energy efficient manner. To this end, a syngas containing carbon monoxide and hydrogen is converted into a methane-rich product gas in a main reaction zone and a post-reaction zone by means of multi-stage catalytic methanation, the target pressure being adjusted by compression before the main reaction zone and/or before or in the post-reaction zone.

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