

Title (en)
PRODUCTION OF SYNTHESIS GAS FROM HYDROCARBONACEOUS FEEDSTOCK

Title (de)
HERSTELLUNG VON SYNTHESSEGAS AUS KOHLENWASSERSTOFFROHSTOFF

Title (fr)
PRODUCTION D'UN GAZ DE SYNTHÈSE À PARTIR D'UNE CHARGE PREMIÈRE HYDROCARBONÉE

Publication
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Application
EP 97915555 A 19970401

Priority
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Abstract (en)
[origin: GB2311790A] A method for producing synthesis gas (essentially a mixture of hydrogen and carbon monoxide) from a mixture of methane and oxygen comprising partially oxidising the methane by bringing the reactant gas mixture at a relatively low temperature 100{C to 950{C) and at a pressure of up to 150 bar into contact with a defined nickel - aluminium Feitknecht compound/aluminosilicate clay mineral based catalyst. Resulting synthesis gas may be mixed with further oxygen and be further partially oxidised without being subjected to a an intermediate compression stage to produce a second synthesis gas suitable for direct use in a high pressure downstream process for producing a chemical product, such methanol.

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C01B 3/38; **C01B 3/40**

IPC 8 full level
B01J 23/86 (2006.01); **B01J 21/16** (2006.01); **B01J 23/00** (2006.01); **B01J 23/74** (2006.01); **B01J 23/755** (2006.01); **B01J 23/76** (2006.01); **C01B 3/38** (2006.01); **C01B 3/40** (2006.01)

CPC (source: EP)
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