

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  
**EP 0891295 A1 19990120 (EN)**

Application  
**EP 97915555 A 19970401**

Priority  
• GB 9700900 W 19970401  
• GB 9607231 A 19960404

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.

IPC 1-7  
**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)

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