

Title (en)
SYSTEM AND PROCESS FOR SYNTHESIS OF METHANOL

Title (de)
SYSTEM UND VERFAHREN ZUR SYNTHESE VON METHANOL

Title (fr)
SYSTEME ET PROCEDE DE SYNTHESE DE METHANOL

Publication
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Application
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Priority

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Abstract (en)
[origin: WO2005108336A1] System and process for synthesising methanol out of a source gas containing light hydrocarbons. The system comprises - a hydrocarbon gas supply (3) for providing the source gas;- an oxygen supply (1) for providing an oxygen containing fluid;- a syngas reactor (2) in the form of a gasification reactor, arranged to receive the source gas from the hydrocarbon gas supply (3) and the oxygen containing fluid from the oxygen supply (1), the syngas reactor (2) being arranged to produce an intermediate reaction product from the source gas and the oxygen containing fluid, and to discharge the intermediate reaction product, the intermediate reaction product comprising syngas;- a methanol reactor (5), arranged to receive at least a fraction of the intermediate reaction product from the syngas reactor, and arranged to let the intermediate reaction product react into at least methanol via a methanol forming reaction, the methanol reactor being provided with a methanol outlet (11) for discharging the formed methanol and an offgas outlet (12) for discharging an offgas.

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