Title (en)

METHOD FOR OBTAINING SYNTHESIS GAS BY PARTIAL CATALYTIC OXIDATION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SYNTHESEGAS MITTELS KATALYTISCHER TEILOXIDATION

Title (fr)

PROCEDE D'OBTENTION DE GAZ DE SYNTHESE PAR OXYDATION CATALYTIQUE PARTIELLE

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Application

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Abstract (en)

[origin: FR2826293A1] The invention relates to a method for obtaining synthesis gas by partial catalytic oxidation, consisting in bringing a hydrocarbon in a gaseous state into contact with an oxidizing gas, and therefore possibly a small amount of water vapor, in the presence of a catalyst comprising at least one silicon carbide at a temperature of more than 800 DEG C. According to the invention, the silicon carbide has a specific surface which is determined by the BET method and which is less than or equal to 100 m<2>/g, the contact time between the mixture of gaseous hydrocarbon, oxidizing gas and silicon carbide being more than 0.05 seconds and the pressure inside the reactor being greater than atmospheric pressure.

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