Title (en)
METHOD FOR THE CONVERSION OF SYNTHESIS GAS INTO OLEFINS

Title (de)
VERFAHREN FÜR DIE UMWANDLUNG VON SYNTHESEGAS ZU OLEFINEN

Title (fr)
PROCÉDÉ DE TRANSFORMATION DE GAZ DE SYNTHÈSE EN OLÉFINES

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Abstract (en)
[origin: WO2013113754A1] The present invention relates to a method for the conversion of a gas mixture containing CO and H2 into olefins, comprising . (1) provision of a gas mixture (G0) containing a CO and H2; . (2) provision of a catalyst (K1) for converting CO and H2 into dimethyl ether; . (3) bringing the gas mixture (G0) into contact with the catalyst (K1) to obtain a gas mixture (G1) containing dimethyl ether and CO2; . (4) provision of a catalyst (K2) for converting dimethyl ether into olefins; . (5) bringing the gas mixture (G1) into contact with the catalyst (K2) to obtain an olefin-containing gas mixture (G2).

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