Title (en)

METHOD FOR CONVERTING SYNTHETIC GAS IN SERIES-CONNECTED REACTORS

Title (de)

VERFAHREN ZUR UMWANDLUNG IN SERIEN-REAKTOREN

Title (fr)

PROCEDE DE CONVERSION DE GAZ DE SYNTHESE DANS DES REACTEURS EN SERIE

Publication

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Application

EP 02790546 A 20021028

Priority

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Abstract (en)

[origin: US2003096881A1] The invention relates to a process for converting a synthesis gas into liquid hydrocarbons used in at least two reactors that are arranged in series and that contain a catalytic suspension of at least one solid catalyst in suspension in a liquid phase, in which said reactors are essentially perfectly mixed, the last reactor is at least in part fed by at least a portion of at least one of the gaseous fractions that are collected at the outlet of at least one of the other reactors, at least one reactor is fed by a flow of catalytic suspension that is obtained directly from another reactor, and at least one flow of catalytic suspension that is obtained from a reactor is at least in part separated so as to obtain a liquid product that is essentially free of catalyst and a catalytic suspension that is high in catalyst, which is recycled.

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