

Title (en)

METHOD FOR PRODUCING HYDROCARBONS FROM SYNGAS IN A THREE-PHASE REACTOR

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KOHLENWASSERSTOFFEN AUS SYNTHESGASEN IN EINEM DREIPHASEN REAKTOR

Title (fr)

PROCEDE DE PRODUCTION D'HYDROCARBURES A PARTIR DE GAZ DE SYNTHESE DANS UN REACTEUR TRIPHASIQUE

Publication

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Application

**EP 01909933 A 20010228**

Priority

- FR 0100595 W 20010228
- FR 0003925 A 20000327

Abstract (en)

[origin: WO0172928A1] The invention concerns a method for the synthesis of hydrocarbons by reacting a mixture comprising at least carbon monoxide and hydrogen in the presence of a catalyst carried out in a three-phase reactor, wherein the liquid Peclet number ranges between 0 (excluded) and about 10, at a gas surface speed  $U_g$  preferably less than  $35 \text{ cm.s}^{-1}$ , so as to promote the transfer of the gas into the liquid phase and avoid too much attrition of catalyst grains.

IPC 8 full level

**C10G 2/00** (2006.01)

CPC (source: EP US)

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Citation (examination)

R.HUGES: "Topics in Chemical Engineering", 1996, GORDON AND BREACH PUBLISHERS, AMSTERDAM

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**WO 0172928 A1 20011004**; AU 3752101 A 20011008; CA 2400742 A1 20011004; CA 2400742 C 20100525; DE 60124879 D1 20070111; DE 60124879 T2 20070308; EP 1268709 A1 20030102; EP 1268709 B1 20061129; FR 2806736 A1 20010928; FR 2806736 B1 20020510; NO 20024608 D0 20020926; NO 20024608 L 20020926; US 2003109590 A1 20030612; US 6825237 B2 20041130; ZA 200207679 B 20031111

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