

Title (en)
PROCESS FOR PREPARING HYDROCARBONS FROM CARBON DIOXIDE AND HYDROGEN, AND A CATALYST USEFUL IN THE PROCESS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON KOHLENWASSERSTOFFEN AUS KOHLENDIOXID UND WASSERSTOFF UND EIN IN DEM
VERFAHREN VERWENDBARER KATALYSATOR

Title (fr)
PROCÉDÉ DE PRODUCTION D'HYDROCARBURES À PARTIR DE DIOXYDE DE CARBONE ET D'HYDROGÈNE ET UN CATALYSEUR
UTILISABLE DANS LE PROCÉDÉ

Publication
EP 2872599 A1 20150520 (DE)

Application
EP 13735333 A 20130712

Priority
• EP 12176417 A 20120713
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Abstract (en)
[origin: EP2684936A1] Preparing hydrocarbons from carbon dioxide and hydrogen, comprises reacting carbon dioxide with hydrogen in the presence of a catalyst. The catalyst comprises at least one alkali metal, and (i) 10 wt.%, preferably 15-35 wt.%, based on the total weight of the catalyst, of iron and copper and at least one element comprising magnesium, zinc, lanthanum and zirconium, (ii) titania and/or magnesium aluminum hydroxycarbonate (both preferred) as catalyst carriers, and (iii) ruthenium and/or cobalt. An independent claim is included for catalyst comprising iron, potassium, copper and further component comprising magnesium, zinc, lanthanum, and zirconium, as catalyst components.

IPC 8 full level
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C07C 1/12 (2013.01 - US); **C10G 2/50** (2013.01 - EP US)

Citation (search report)
See references of WO 2014009534A1

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