

Title (en)
METHOD FOR HYDROCRACKING HYDROCARBON FEEDSTOCKS USING A CATALYST COMPRISING A ZEOLITE AND AN AMORPHOUS MESOPOROUS ALUMINA

Title (de)
VERFAHREN ZUM HYDROCRACKEN VON KOHLENWASSERSTOFFEINSÄTZEN UNTER VERWENDUNG EINES KATALYSATORS MIT EINEM ZEOLITH UND EINEM AMORPHEN MESOPORÖSEN ALUMINIUMOXID

Title (fr)
PROCEDE D'HYDROCRAQUAGE DE CHARGES HYDROCARBONEES UTILISANT UN CATALYSEUR COMPRENANT UNE ZEOLITHE ET UNE ALUMINE MESOPOREUSE AMORPHE

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Application
EP 16797537 A 20161116

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Abstract (en)
[origin: WO2017097551A1] The present invention describes a method for hydrocracking at least one hydrocarbon feedstock, of which at least 50wt.% of the compounds have an initial boiling point higher than 300°C and a final boiling point lower than 540°C, using at least one catalyst comprising at least one metal from group VIB and/or at least one metal from group VIII of the periodic table, and a substrate comprising at least one zeolite having at least one series of channels of which the opening is defined by a ring with 12 oxygen atoms (12MR), and at least one binder, said substrate being prepared from a highly dispersible alumina gel, said hydrocracking method taking place at a temperature of between 200°C and 480°C, at a total pressure of between 1 MPa and 25 MPa, with a volume ratio of hydrogen to hydrocarbon feedstock of between 80 and 5000 litres per litre and at an hourly space velocity (HSV), defined by the ratio of the volume flow rate of liquid hydrocarbon feedstock to the volume of catalyst loaded into the reactor, of between 0.1 and 50 h⁻¹.

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