

Title (en)
MESOPOROUS AND MACROPOROUS CATALYST WITH AN ACTIVE PHASE OBTAINED BY KNEADING, ITS PREPARATION PROCESS AND ITS USE FOR HYDROTREATING PETROLEUM RESIDUE

Title (de)
MESOPORÖSER UND MAKROPORÖSER MIT DUCH KNETTEN HERGESTELLTER AKTIVER PHASE, DESSEN HERSTELLUNGSVERFAHREN UND VERWENDUNG ZUR WASSERSTOFFBEHANDLUNG VON ÖLRÜCKSTANDEN UND DESSEN HERSTELLUNGSVERFAHREN

Title (fr)
CATALYSEUR MESOPOREUX ET MACROPOREUX A PHASE ACTIVE OBTENUE PAR COMALAXEE, SON PROCEDE DE PREPARATION ET SON UTILISATION EN HYDROTRAITEMENT DE RESIDUS

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Abstract (en)
[origin: WO2015189197A1] The invention concerns a mesoporous and macroporous hydroconversion catalyst comprising: - a predominantly calcined aluminium oxide matrix; - a hydro-dehydrogenating active phase comprising at least one metal from group VIB of the periodic table, optionally at least one metal from group VIII of the periodic table, optionally phosphorus, said active phase being at least partially comulled in said predominantly calcined aluminium oxide matrix, said catalyst having a specific surface area S_{bet} greater than 100 m²/g, a mesoporous volume median diameter of between 12 and 25 nm, terminals included, a macroporous volume median diameter of between 50 and 250 nm, terminals included, a mesoporous volume as measured by mercury intrusion porosimetry, greater than or equal to 0.65 ml/g and a total porous volume measured by mercury porosimetry greater than or equal to 0.75 ml/g. The invention also concerns a method for preparing a catalyst suitable for the hydroconversion/hydrotreatment of residuum by comulling the active phase with a specific alumina. The invention finally concerns the use of the catalyst in hydrotreatment methods, in particular the hydrotreatment of heavy feedstocks.

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