

Title (en)
HYDRODESULFURISATION OF GASOILCUTS USING A HETEROPOLYANIONIC CATALYST PLACED INSIDE A MESOSTRUCTURED SILICIC SUPPORT

Title (de)
HYDROENTSCHEFELUNG VON DIESEL-KRAFTSTOFF UNTER VERWENDUNG HETEROPOLYANIONISCHEM KATALYSATOR INNERHALB EINES PORÖSEN SILICISCHEN MESOSTRUKTURIERTEN TRÄGERS

Title (fr)
PROCEDE D'HYDRODESULFURATION DE COUPES GAZOLES UTILISANT UN CATALYSEUR A BASE D'HETEROPOLYANIONS PIEGES DANS UN SUPPORT SILICIQUE MESOSTRUCTURE

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Application
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Abstract (en)
[origin: WO2012085353A1] The invention relates to a method for the hydrodesulphurisation of at least one diesel fraction, using a catalyst comprising, in the oxide form thereof, at least one metal selected from the group VIB metals and/or at least one metal from the group VIII metals of the periodic table, present in the form of at least one polyoxometalate having formula (HhXxMmOy)q-, wherein: X is an element selected from among phosphorus (P), silicon (Si), boron (B), nickel (Ni) and cobalt (Co), said element being taken alone; M is one or more elements selected from among molybdenum (Mo), tungsten (W), nickel (Ni) and cobalt (Co); O is oxygen; H is hydrogen; h is an integer between 0 and 12; x is an integer between 0 and 4; m is an integer equal to 5, 6, 7, 8, 9, 10, 11, 12 and 18; y is an integer between 17 and 72; and q is an integer between 1 and 20, said polyoxometalates being present inside a mesostructured silica oxide matrix having a pore size between 1.5 and 50 nm and amorphous walls with a thickness of between 1 and 30 nm. The catalyst is sulphurised prior to use in said method.

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Cited by
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