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(54) Title: PROCESS FOR ONE-STEP CONVERSION OF LIGNOCELLULOSIC MATERIAL TO HYDROCARBON PRODUCTS AND CATALYST FOR USE IN SAID PROCESS

(57) Abstract: Lignocellulosic starting materials can be converted into an aqueous phase and a hydrocarbon phase in a one-step process by subjecting a mixture of a lignocellulosic starting material, an amorphous and unsupported sulfided nickel-molybdenum catalyst, and optionally a co-feed, to not less than a stoichiometric amount of hydrogen, elevated pressure and a temperature in the interval of 350 - 450°C. A novel catalyst for use in said process and a method for its production are also disclosed.



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