

Title (en)
OPTIMIZED PROCESS FOR THE HYDROTREATING AND HYDROCONVERSION OF FEEDSTOCKS DERIVED FROM RENEWABLE SOURCES

Title (de)
OPTIMIERTES VERFAHREN ZUR HYDROBEHANDLUNG UND HYDROKONVERSION VON AUS ERNEUERBAREN QUELLEN GEWONNENEN EINSATZSTOFFEN

Title (fr)
PROCEDE OPTIMISE D'HYDROTRAITEMENT ET D'HYDROCONVERSION DE CHARGES ISSUES DE SOURCES RENOUVELABLES

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Application
EP 22723126 A 20220415

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Abstract (en)
[origin: WO2022233561A1] The present invention describes a process for treatment of a feedstock derived from a renewable source, comprising a step a) of hydrotreating said feedstock, a step b) of separation into at least one light fraction and at least one hydrocarbon-based liquid effluent, a step c) of removal of at least one portion of the water from the hydrocarbon-based liquid effluent, a step d) of hydroconversion of at least one portion of the hydrocarbon-based liquid effluent, said hydroconversion step d) being characterized firstly by the use of a bifunctional catalyst comprising a molybdenum and/or tungsten sulfide phase promoted with nickel and/or cobalt, and secondly by a ratio between the partial pressure of hydrogen sulfide and of hydrogen at the inlet of the hydroconversion unit of less than 5×10^{-5} and a step e) of fractionation of the effluent from step d) to obtain at least one middle distillate fraction.

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