

Title (en)
METHOD FOR CONVERTING A HEAVY HYDROCARBON FEEDSTOCK INCLUDING SELECTIVE DE-ASPHALTING UPSTREAM FROM THE CONVERSION STEP

Title (de)
UMWANDLUNGSVERFAHREN EINES SCHWEREN KOHLENWASSERSTOFFEINSATZES, DAS EINE SELEKTIVE ENTASPHALTIERUNG VOR DER UMWANDLUNGSPHASE EINSCHLIESST

Title (fr)
PROCEDE DE CONVERSION D'UNE CHARGE HYDROCARBONEE LOURDE INTEGRANT UN DESASPHALTAGE SELECTIF EN AMONT DE L'ETAPE DE CONVERSION

Publication
EP 2947133 B1 20230712 (FR)

Application
EP 15305574 A 20150416

Priority
FR 1454576 A 20140521

Abstract (en)
[origin: CA2891872A1] The invention relates to a method for converting a heavy charge of hydrocarbons comprising the following steps: a) at least one step of selective deasphalting of the heavy charge of hydrocarbons by liquid/liquid extraction which would allow for the separation of at least one asphalt fraction, at least one deasphalted oil fraction, b) a stage of hydroconversion of the deasphalted oil fraction in the presence of hydrogen in at least one three-phase reactor, under conditions allowing for the obtention of an effluent comprising a gaseous fraction mainly containing the H₂ and H₂S compounds, and a liquid fraction with a reduced amount of Conradson carbon, metals, sulfur and nitrogen, c) a step for separating the effluent from step b) to obtain a gaseous fraction mainly containing the H₂ and H₂S compounds and a liquid fraction reduced in Conradson carbon, metals, sulfur and nitrogen.

IPC 8 full level
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Citation (examination)
US 4305812 A 19811215 - SHIH STUART S, et al

Cited by
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