

Title (en)
IMPROVED METHOD FOR CONVERTING RESIDUES INCORPORATING DEEP HYDROCONVERSION STEPS AND A DEASPHALTING STEP

Title (de)
VERBESSERTES VERFAHREN ZUR UMWANDLUNG VON RÜCKSTÄNDEN MIT TIEFEN HYDROKONVERSIONSSCHRITTEN UND EINEM ENTASPHALTIERUNGSSCHRITT

Title (fr)
PROCEDE AMELIORE DE CONVERSION DE RESIDUS INTEGRANT DES ETAPES D'HYDROCONVERSION PROFONDE ET UNE ETAPE DE DESASPHALTAGE

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Application
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Abstract (en)
[origin: WO2019121074A1] The invention concerns a method for converting heavy hydrocarbon feedstocks of which at least 50% by weight boils at a temperature of at least 300°C, and in particular vacuum residues. The feedstocks are subjected to a first step a) of deep hydroconversion, optionally followed by a step b) of separating a light fraction, and a heavy residual fraction is obtained from step b) of which at least 80% by weight has a boiling temperature of at least 250°C. Said fraction from step b) or the effluent from step a) is then subjected to a second step c) of deep hydroconversion. The overall hourly space velocity for steps a) to c) is less than 0.1 h⁻¹. The effluent from step c) is fractionated to separate a light fraction. The heavy fraction obtained, of which 80% by weight boils at a temperature of at least 300°C, is sent to a deasphalting step e). The deasphalted fraction DAO is then preferably converted in a step f) chosen from ebullated bed hydroconversion, fluidised bed catalytic cracking and fixed bed hydrocracking.

IPC 8 full level
C10G 45/08 (2006.01); **C10G 65/04** (2006.01)

CPC (source: EP US)
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