

Title (en)

LOW COMPLEXITY, HIGH YIELD CONVERSION OF HEAVY HYDROCARBONS

Title (de)

UMWANDLUNG VON SCHWEREN KOHLENWASSERSTOFFEN MIT NIEDRIGER KOMPLEXITÄT UND HOHER AUSBEUTE

Title (fr)

CONVERSION PEU COMPLEXE ET À RENDEMENT ÉLEVÉ D'HYDROCARBURES LOURDS

Publication

EP 2804930 A1 20141126 (EN)

Application

EP 12866398 A 20120117

Priority

CA 2012000049 W 20120117

Abstract (en)

[origin: WO2013106897A1] A process for producing pipeline-ready or refinery-ready feedstock from heavy hydrocarbons using a high-performance solvent extraction process with high local solvent-to-process fluid ratios yet maintaining low overall solvent- to-process fluid ratios, by first performing mild thermal cracking on the heavy hydrocarbons and then separating asphaltene-rich fractions from a resulting thermally affected fluid so that the high solvent-to-oil ratio portion of the process acts only on those asphaltene-rich fractions, and producing a dry, solid asphaltene as an end-product.

IPC 8 full level

C10G 55/04 (2006.01); **C10G 1/00** (2006.01); **C10G 21/00** (2006.01)

CPC (source: EP)

C10G 1/002 (2013.01); **C10G 21/003** (2013.01); **C10G 55/04** (2013.01)

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DOCDB simple family (publication)

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