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 A4 20151014 (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)

Citation (search report)

- [A] US 4572781 A 19860225 - KRASUK JULIO [VE], et al
- [E] WO 2013044346 A1 20130404 - MEG ENERGY CORP [CA], et al
- See references of WO 2013106897A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013106897 A1 20130725; AU 2012366724 A1 20140724; AU 2012366724 A8 20141023; AU 2012366724 B2 20150409; BR 112014017582 A2 20170613; BR 112014017582 A8 20170704; CN 104114677 A 20141022; EP 2804930 A1 20141126; EP 2804930 A4 20151014; JP 2015507685 A 20150312; JP 6378094 B2 20180822; KR 101930580 B1 20181218; KR 20140120313 A 20141013; MX 2014008571 A 20160129; RU 2014133552 A 20160310; SG 11201404054Q A 20140828

DOCDB simple family (application)

CA 2012000049 W 20120117; AU 2012366724 A 20120117; BR 112014017582 A 20120117; CN 201280067415 A 20120117; EP 12866398 A 20120117; JP 2014552452 A 20120117; KR 20147020732 A 20120117; MX 2014008571 A 20120117; RU 2014133552 A 20120117; SG 11201404054Q A 20120117