Title (en)

TREATMENT OF A HEAVY HYDROCARBON OIL OR A HEAVY HYDROCARBON OIL FRACTION FOR THEIR CONVERSION INTO LIGHTER FRACTIONS

Publication

EP 0113283 B1 19870513 (FR)

Application

EP 83402494 A 19831221

Priority

FR 8222209 A 19821230

Abstract (en)

[origin: US4511458A] A process for conversion of an asphaltenes-containing heavy oil or heavy oil fraction to lighter fractions comprises 3 steps of: catalytic hydrodemetallation, hydrovisbreaking and catalytic hydrodesulfuration.

IPC 1-7

C10G 65/12; C10G 45/04

IPC 8 full level

C10G 45/04 (2006.01); **C10G 65/12** (2006.01)

CPC (source: EP US)

C10G 45/04 (2013.01 - EP US); C10G 2300/107 (2013.01 - EP US)

Cited by

US5376258A; EP0584369A4; EP0219080A3; EP0537500A3; US5382349A; SG91789A1

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BE DE GB IT NL SE

DOCDB simple family (publication)

EP 0113283 A1 19840711; **EP 0113283 B1 19870513**; CA 1226842 A 19870915; DE 3371535 D1 19870619; FR 2538811 A1 19840706; FR 2538811 B1 19850315; JP S59166589 A 19840919; US 4511458 A 19850416; ZA 839686 B 19850828

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EP 83402494 A 19831221; CA 444513 A 19831230; DE 3371535 T 19831221; FR 8222209 A 19821230; JP 25236883 A 19831229; US 56720983 A 19831230; ZA 839686 A 19831229