

Title (en)

Process for upgrading of a hydrocarbon feedstock and reducing the vapour pressure of said charge

Title (de)

Verfahren zur Verwertung einer Kohlenwasserstoffeinsatzes und Minderung des Dampfdrucks dieses Einsatzes

Title (fr)

Procédé de valorisation d'une charge d'hydrocarbures et de diminution de la tension de vapeur de ladite charge

Publication

EP 1396532 B1 20060517 (FR)

Application

EP 03292157 A 20030903

Priority

FR 0210951 A 20020904

Abstract (en)

[origin: EP1396532A1] Process for upgrading a hydrocarbon feed and lowering its vapor pressure comprises separating a C5 fraction (F1) including at least 2 wt.% pentenes, contacting F1 with a C6-C10 hydrocarbon fraction (F2) including at least 2 wt.% olefins in the presence of a dimerization/alkylation catalyst, and separating the effluent into a gasoline fraction boiling below 100 degrees C and a kerosene fraction boiling in the 100-300 degrees C range.

IPC 8 full level

C10G 29/20 (2006.01); **C10L 1/04** (2006.01); **C10G 17/02** (2006.01); **C10G 17/095** (2006.01); **C10G 45/10** (2006.01); **C10G 45/44** (2006.01); **C10G 50/00** (2006.01); **C10G 55/04** (2006.01); **C10G 55/06** (2006.01); **C10G 67/08** (2006.01); **C10G 67/16** (2006.01)

CPC (source: EP KR US)

C10G 29/205 (2013.01 - EP US); **C10G 50/00** (2013.01 - EP US); **C10G 55/06** (2013.01 - KR)

Citation (examination)

OIL AND GAS JOURNAL, vol. 90, no. 7, 17 February 1992 (1992-02-17), Tulsa, Okla., US, pages 72 - 74

Cited by

WO2012153010A2; WO2012153011A2; WO2023194337A1; FR3134110A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1396532 A1 20040310; **EP 1396532 B1 20060517**; AT E326515 T1 20060615; DE 60305254 D1 20060622; DE 60305254 T2 20060914; DK 1396532 T3 20060918; ES 2263930 T3 20061216; FR 2843969 A1 20040305; FR 2843969 B1 20070323; JP 2004099891 A 20040402; JP 4446229 B2 20100407; KR 100982709 B1 20100917; KR 20040021552 A 20040310; MY 135344 A 20080331; PT 1396532 E 20060929; US 2005101821 A1 20050512; US 7161052 B2 20070109

DOCDB simple family (application)

EP 03292157 A 20030903; AT 03292157 T 20030903; DE 60305254 T 20030903; DK 03292157 T 20030903; ES 03292157 T 20030903; FR 0210951 A 20020904; JP 2003312048 A 20030904; KR 20030061362 A 20030903; MY PI20033285 A 20030829; PT 03292157 T 20030903; US 65342603 A 20030903