

Title (en)

PROCESS FOR UPGRADING REFINERY HEAVY HYDROCARBONS TO PETROCHEMICALS

Title (de)

VERFAHREN ZUR AUFWERTUNG VON SCHWEREN RAFFINERIEKOHLENWASSERSTOFFEN IN PETROCHEMIKALIEN

Title (fr)

PROCÉDÉ DE VALORISATION D'HYDROCARBURES LOURDS DE RAFFINERIE EN PRODUITS PÉTROCHIMIQUES

Publication

**EP 3110918 A1 20170104 (EN)**

Application

**EP 14827222 A 20141223**

Priority

- EP 14156629 A 20140225
- EP 2014079193 W 20141223

Abstract (en)

[origin: WO2015128036A1] The present invention relates to a process for upgrading refinery heavy hydrocarbons to petrochemicals, comprising the following steps of: (a) feeding a hydrocarbon feedstock to a ring opening reaction area; (b) feeding the effluent from (a) to a separation unit for producing a gaseous stream comprising light boiling hydrocarbons, a liquid stream comprising naphtha boiling range hydrocarbons and a liquid stream comprising diesel boiling range hydrocarbons; (c) feeding said liquid stream comprising naphtha boiling range hydrocarbons to a hydrocracking unit.

IPC 8 full level

**C10G 45/44** (2006.01); **C10G 45/68** (2006.01); **C10G 47/00** (2006.01); **C10G 49/00** (2006.01); **C10G 65/10** (2006.01); **C10G 65/12** (2006.01); **C10G 67/04** (2006.01); **C10G 69/00** (2006.01); **C10G 69/02** (2006.01); **C10G 69/06** (2006.01); **C10G 69/12** (2006.01)

CPC (source: EA EP KR US)

**C10G 67/0445** (2013.01 - EA EP KR US); **C10G 69/00** (2013.01 - EA EP US); **C10G 69/06** (2013.01 - EA EP KR US); **C10G 69/123** (2013.01 - EA US); **C10G 2300/1051** (2013.01 - EA US); **C10G 2400/04** (2013.01 - EA EP KR US); **C10G 2400/20** (2013.01 - EA US); **C10G 2400/28** (2013.01 - EA EP KR US); **C10G 2400/30** (2013.01 - EA EP KR US)

Citation (search report)

See references of WO 2015128036A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2015128036 A1 20150903**; CN 106103663 A 20161109; CN 106103663 B 20180911; EA 032758 B1 20190731; EA 201691719 A1 20170130; EP 3110918 A1 20170104; EP 3110918 B1 20181003; ES 2703209 T3 20190307; JP 2017509745 A 20170406; JP 6574432 B2 20190911; KR 102387828 B1 20220418; KR 20160125503 A 20161031; SG 11201606012P A 20160830; US 2016362618 A1 20161215

DOCDB simple family (application)

**EP 2014079193 W 20141223**; CN 201480076307 A 20141223; EA 201691719 A 20141223; EP 14827222 A 20141223; ES 14827222 T 20141223; JP 2016553574 A 20141223; KR 20167026466 A 20141223; SG 11201606012P A 20141223; US 201415120931 A 20141223