

Title (en)

Processing a hydrocarbon feedstock comprising a fixed bed countercurrent hydrotreatment

Title (de)

Verfahren zur Behandlung einer Kohlenwasserstoffbeschickung durch eine Gegenstrom-Hydrobehandlung in einem Festbett

Title (fr)

Procédé de traitement d'une charge Hydrocarbonée comprenant une étape d'hydrotraitement en lit fixe à contre-courant

Publication

EP 1217061 B1 20051130 (FR)

Application

EP 01403141 A 20011206

Priority

FR 0016824 A 20001220

Abstract (en)

[origin: FR2818283A1] Hydrotreatment of a hydrocarbon feed containing sulfur, nitrogen and aromatic compounds comprises passing the feed and hydrogen in countercurrent through a fixed bed comprising a mixture of solid particles S1 having an average diameter of 0.5-5 mm and solid particles S2 having a greater average diameter than S1, where S1 and/or S2 comprises a catalyst on an inorganic support.

IPC 1-7

C10G 45/46; **C10G 65/08**

IPC 8 full level

C10G 45/04 (2006.01); **C10G 45/08** (2006.01); **C10G 45/46** (2006.01); **C10G 65/04** (2006.01); **C10G 65/08** (2006.01)

CPC (source: EP US)

C10G 45/46 (2013.01 - EP US); **C10G 65/08** (2013.01 - EP US)

Cited by

FR2913024A1; US8541636B2; US9724639B2; WO2008119895A3; WO2017029510A1; US10118843B2

Designated contracting state (EPC)

BE DE ES GB IT NL

DOCDB simple family (publication)

EP 1217061 A1 20020626; **EP 1217061 B1 20051130**; DE 60115372 D1 20060105; DE 60115372 T2 20060706; ES 2256187 T3 20060716; FR 2818283 A1 20020621; FR 2818283 B1 20030214; JP 2002201479 A 20020719; JP 4304653 B2 20090729; US 2002130063 A1 20020919; US 6645371 B2 20031111

DOCDB simple family (application)

EP 01403141 A 20011206; DE 60115372 T 20011206; ES 01403141 T 20011206; FR 0016824 A 20001220; JP 2001387591 A 20011220; US 2283101 A 20011220