

Title (en)

GASOLINE DESULFURIZATION METHOD COMPRISING ADSORPTION DESULFURIZATION OF THE LIGHT FRACTION AND HYDRODESULFURIZATION OF THE HEAVY FRACTION

Title (de)

VERFAHREN ZUR ENTSCHEFELUNG VON BENZINEN DURCH ADSORPTION EINER LEICHTFRAKTION UND DURCH HYDROENTSCHEFELUNG EINER SCHWERFRAKTION

Title (fr)

PROCEDE DE DESULFURATION DES ESSENCES COMPORTANT UNE DESULFURATION PAR ADSORPTION DE LA FRACTION LEGERE ET UNE HYDRODESULFURATION DE LA FRACTION LOURDE

Publication

EP 1931751 B1 20170628 (FR)

Application

EP 06794276 A 20060802

Priority

- FR 2006001885 W 20060802
- FR 0508474 A 20050808

Abstract (en)

[origin: WO2007017581A1] The invention relates to a gasoline desulfurization method consisting of a step in which the gasoline is fractionated into a light fraction comprising thiophenic compounds, such as thiophene or methylthiophenes, and a heavy fraction concentrating the heaviest aromatic sulfur compounds. The heavy fraction is treated by hydrodesulfurization, while the light fraction is brought into contact with a solid adsorbent that can be used to eliminate at least part of the light thiophenic compounds, said solid adsorbent being regenerated by a flux within the method.

IPC 8 full level

C10G 25/12 (2006.01); **C10G 67/16** (2006.01)

CPC (source: EP KR US)

C10G 25/12 (2013.01 - EP KR US); **C10G 67/00** (2013.01 - EP US); **C10G 67/16** (2013.01 - EP KR US); **C10G 2300/1088** (2013.01 - EP US); **C10G 2300/202** (2013.01 - EP US); **C10G 2300/301** (2013.01 - EP US); **C10G 2300/305** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

FR 2889539 A1 20070209; FR 2889539 B1 20110513; BR PI0614337 A2 20110322; BR PI0614337 B1 20160405; CN 101283074 A 20081008; CN 105199776 A 20151230; EP 1931751 A1 20080618; EP 1931751 B1 20170628; JP 2009504829 A 20090205; JP 5000654 B2 20120815; KR 101320813 B1 20131021; KR 20080038208 A 20080502; US 2007261993 A1 20071115; US 7731836 B2 20100608; WO 2007017581 A1 20070215

DOCDB simple family (application)

FR 0508474 A 20050808; BR PI0614337 A 20060802; CN 200680037420 A 20060802; CN 201510604262 A 20060802; EP 06794276 A 20060802; FR 2006001885 W 20060802; JP 2008525594 A 20060802; KR 20087005565 A 20060802; US 81905307 A 20070625