

Title (en)  
METHOD FOR THE CATALYTIC PURIFICATION OF LIGHT HYDROCARBONS

Title (de)  
VERFAHREN ZUR KATALYTISCHEN REINIGUNG VON LEICHTEN KOHLENWASSERSTOFFEN

Title (fr)  
PROCEDE CATALYTIQUE DE PURIFICATION DES HYDROCARBURES LEGERS

Publication  
**EP 1702029 B1 20080213 (FR)**

Application  
**EP 04805711 A 20041215**

Priority  
• FR 2004003232 W 20041215  
• FR 0315048 A 20031219

Abstract (en)  
[origin: FR2864101A1] Purifying light hydrocarbons boiling between 20 and 250[deg]C comprises oxidatively polymerizing cyclic sulfur or nitrogen compounds in the presence of an oxidizing metal cation, removing the resulting polymers and the metal cation, and oxidizing the metal cation. Purifying light hydrocarbons boiling between 20 and 250[deg]C comprises oxidatively polymerizing cyclic sulfur or nitrogen compounds containing a group of formula (I) in a hydrocarbon ring of 5 or 6 atoms in the presence of an oxidizing metal cation, removing the resulting polymers and the metal cation, and oxidizing the metal cation. -X-CH= (I) X =S or N.

IPC 8 full level  
**C10G 27/00** (2006.01); **C10G 29/06** (2006.01)

CPC (source: EP KR US)  
**C10G 27/00** (2013.01 - EP KR US); **C10G 29/00** (2013.01 - KR); **C10G 29/06** (2013.01 - KR); **C10G 2400/02** (2013.01 - EP US); **C10G 2400/04** (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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2007131588 A1 20070614**; AT E386095 T1 20080315; CA 2548885 A1 20050707; CN 1894363 A 20070110; DE 602004011831 D1 20080327; EP 1702029 A1 20060920; EP 1702029 B1 20080213; FR 2864101 A1 20050624; FR 2864101 B1 20060317; KR 20060130106 A 20061218; WO 2005061674 A1 20050707

DOCDB simple family (application)  
**US 58325804 A 20041215**; AT 04805711 T 20041215; CA 2548885 A 20041215; CN 200480037830 A 20041215; DE 602004011831 T 20041215; EP 04805711 A 20041215; FR 0315048 A 20031219; FR 2004003232 W 20041215; KR 20067014338 A 20060714