

Title (en)

process for converting saturated sulfur compounds in a hydrocarbon fraction containing few or no olefins

Title (de)

Verfahren zur Umwandlung von gesättigten Schwefelverbindungen eines Kohlenwasserstoffschnitts mit wenig oder keinen Olefinen

Title (fr)

Procédé de transformation des composés soufrés saturés d'une coupe hydrocarbonée contenant peu ou pas d'oléfines

Publication

**EP 1659163 A1 20060524 (FR)**

Application

**EP 05292373 A 20051108**

Priority

FR 0412206 A 20041117

Abstract (en)

Transformation of mercaptans in a hydrocarbonated moiety (I), containing olefin (less than 5 wt.%), comprises: mixing (I) with hydrogen and optionally an olefinic fraction to obtain a mixture (II); and reacting (II) on a supported catalyst containing a group VIII metal, to transform at least 50% mercaptans into heavier sulfur compounds. Transformation of mercaptans in a hydrocarbonated moiety (I), containing olefin (less than 5 wt. %), comprises mixing (I) with hydrogen and optionally an olefinic fraction to obtain a mixture (II) having a hydrogen/olefin molar ratio of 0.03-2 (preferably 0.05-1) and an olefin/mercaptans molar ratio of 5-5000 (preferably 10-1000); and reacting (II) on a supported catalyst containing a metal of group VIII, to transform the mercaptans into heavier sulfur compounds with conversion rate of at least 50%.

IPC 8 full level

**C10G 45/00** (2006.01); **C10G 29/20** (2006.01)

CPC (source: EP US)

**C10G 29/205** (2013.01 - EP US); **C10G 45/00** (2013.01 - EP US)

Citation (applicant)

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Citation (search report)

[A] US 2002166798 A1 20021114 - DEBUISSCHERT QUENTIN [FR], et al

Designated contracting state (EPC)

DE GB IT NL

DOCDB simple family (publication)

**EP 1659163 A1 20060524; EP 1659163 B1 20090311; DE 602005013173 D1 20090423; FR 2877951 A1 20060519; FR 2877951 B1 20061222;**  
US 2006124508 A1 20060615

DOCDB simple family (application)

**EP 05292373 A 20051108; DE 602005013173 T 20051108; FR 0412206 A 20041117; US 28081505 A 20051117**