Title (en)
SULFUR REMOVAL PROCESS

Title (de)
SCHWEFEL-ENTFERNUNGSVERFAHREN

Title (fr)
PROCEDE D'ELIMINATION DU SOUFRE

Publication
EP 1438372 A2 20040721 (EN)

Application
EP 02786478 A 20021023

Priority
• US 0233888 W 20021023
• US 33464001 P 20011025

Abstract (en)
[origin: WO03035800A2] A product of reduced sulfur content is produced from an olefin-containing hydrocarbon feedstock which includes sulfur-containing impurities. The feedstock is contacted with an olefin-modification catalyst in a reaction zone under conditions which are effective to produce an intermediate product which has a reduced amount of olefinic unsaturation relative to that of the feedstock as measured by bromine number. The intemediate product is then separated into at least three fractions of different volatility, and the lowest boiling first fraction is contacted with a hydrodesulfurization catalyst in the presence of hydrogen under conditions which are effective to convert at least a portion of its sulfur-containing impurities to hydrogen sulfide. The intermediate boiling fraction is contacted with a selective hydrotreating catalyst in the presence of hydrogen under conditions which are effective to convert at least a portion of its sulfur-containing impurities to hydrogen sulfide.

IPC 1-7
C10G 1/00

IPC 8 full level
C10G 29/20 (2006.01); **C10G 65/00** (2006.01); **C10G 65/16** (2006.01); **C10G 69/12** (2006.01)

CPC (source: EP US)
C10G 29/205 (2013.01 - EP US); **C10G 69/12** (2013.01 - EP US); **C10G 69/123** (2013.01 - EP US); **C10G 69/126** (2013.01 - EP US); C10G 2400/02 (2013.01 - EP US)

Citation (search report)
See references of WO 03035800A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 03035800 A2 20030501; **WO 03035800 A3 20031023**; AT E314447 T1 20060115; DE 60208420 D1 20060202; DE 60208420 T2 20060907; EP 1438372 A2 20040721; EP 1438372 B1 20051228; ES 2254765 T3 20060616; RU 2004113113 A 20051027; RU 2287554 C2 20061120; UA 77013 C2 20061016; US 2003136706 A1 20030724; ZA 200402152 B 20050629

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