Title (en)

DESULFURIZATION OF OLEFINIC GASOLINE WITH A DUAL FUNCTIONAL CATALYST AT LOW PRESSURE

Title (de)

ENTSCHWEFELUNG VON OLEFINISCHEM BENZIN MIT DOPPELFUNKTIONSKATALYSATOR BEI NIEDRIGEM DRUCK

Title (fr)

DESULFURATION D'ESSENCE OLEFINIQUE AVEC CATALYSEUR FONCTIONNEL DOUBLE A BASSE PRESSION

Publication

EP 1047753 A4 20020417 (EN)

Application

EP 99958671 A 19991025

Priority

- US 9924976 W 19991025
- US 19268398 A 19981116

Abstract (en)

[origin: WO0029509A1] A dual functional catalyst is used to produce low sulfur gasoline from olefinic naphthas at relatively low pressure with minimal loss in road octane number. The dual functional catalyst uses a Group VI and/or a Group VIII metal on a suitable substrate for hydrodesulfurization and a zeolite for cracking. One such combination is a Cobalt Molybdenum/ZSM-5 catalyst. At low pressure, the catalytic reaction favors olefin cracking instead of olefin saturation from metals to improve product yields and enhance the octane number.

IPC 1-7

C10G 45/12

IPC 8 full level

B01J 29/48 (2006.01); **B01J 29/076** (2006.01); **C10G 45/08** (2006.01); **C10G 45/12** (2006.01)

CPC (source: EP)

B01J 29/076 (2013.01); **C10G 45/12** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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