

Title (en)

New process for olefinic gasoline desulfurisation which limits mercaptan content

Title (de)

Neues Verfahren zur Entschwefelung eines olefinischen Benzins zur Begrenzung von Mercaptan.

Title (fr)

Nouveau procédé de désulfuration d'essences oléfiniques permettant de limiter la teneur en mercaptans

Publication

**EP 1746144 A1 20070124 (FR)**

Application

**EP 06291025 A 20060622**

Priority

FR 0507685 A 20050718

Abstract (en)

The hydrodesulfurization of a gasoline containing less than 0.1 wt.% sulfur comprises hydrodesulfurizing the gasoline in contact with a bimetallic catalyst in a hydrodesulfuration reactor (12) operating at an hourly superficial velocity (HSV) of 0.1-20 h<sup>-1</sup>, at 220-350[deg]C and 0.1-5 MPa; and recycling a first fraction of the desulfurized gasoline from an outlet to an inlet of the reactor with a recycle ratio of 0.1-3 times the flow rate of the gasoline to be desulfurized.

IPC 8 full level

**C10G 65/02** (2006.01); **C10G 45/02** (2006.01)

CPC (source: EP US)

**C10G 45/08** (2013.01 - EP US); **C10G 2300/104** (2013.01 - EP US); **C10G 2300/202** (2013.01 - EP US); **C10G 2300/4006** (2013.01 - EP US); **C10G 2300/4012** (2013.01 - EP US); **C10G 2300/4018** (2013.01 - EP US); **C10G 2300/4081** (2013.01 - EP US); **C10G 2400/02** (2013.01 - EP US); **C10L 1/06** (2013.01 - EP US); **C10L 2200/0423** (2013.01 - EP US)

Citation (applicant)

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Designated contracting state (EPC)

DE GB IT NL

Designated extension state (EPC)

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**EP 1746144 A1 20070124**; **EP 1746144 B1 20081105**; CN 1900230 A 20070124; CN 1900230 B 20121031; DE 602006003482 D1 20081218; FR 2888583 A1 20070119; FR 2888583 B1 20070928; JP 2007023285 A 20070201; JP 5138907 B2 20130206; US 2007012596 A1 20070118; US 8034233 B2 20111011

DOCDB simple family (application)

**EP 06291025 A 20060622**; CN 200610105721 A 20060717; DE 602006003482 T 20060622; FR 0507685 A 20050718; JP 2006195032 A 20060718; US 48760506 A 20060717