

Title (en)

REFORMING CATALYST WITH CHELATED PROMOTER

Title (de)

REFORMIERUNGSKATALYSATOR MIT CHELATISIERTEM PROMOTOR

Title (fr)

CATALYSEUR DE REFORMAGE COMPRENANT UN PROMOTEUR CHELATE

Publication

**EP 1838433 A4 20090304 (EN)**

Application

**EP 05711584 A 20050118**

Priority

US 2005001545 W 20050118

Abstract (en)

[origin: WO2006078240A1] A process for preparing a naphtha reforming catalyst has been developed. The process involves the use of a chelating ligand such as ethylenediaminetetraacetic acid (EDTA). The aqueous solution of the chelating ligand and a tin compound is used to impregnate a support, e.g., alumina extrudates. A platinum-group metal is also an essential component of the catalyst. Rhenium may also be a component. A reforming process using the catalyst has enhanced yield, activity, and stability for conversion of naphtha into valuable gasoline and aromatic products.

IPC 8 full level

**B01J 20/00** (2006.01); **B01J 21/04** (2006.01); **B01J 21/08** (2006.01); **B01J 21/12** (2006.01); **B01J 21/14** (2006.01); **B01J 23/00** (2006.01); **B01J 23/02** (2006.01); **B01J 23/08** (2006.01); **B01J 23/40** (2006.01); **B01J 23/42** (2006.01); **B01J 23/44** (2006.01); **B01J 23/56** (2006.01); **C10G 35/06** (2006.01)

CPC (source: EP)

**B01J 23/6567** (2013.01); **B01J 37/0203** (2013.01); **C10G 35/085** (2013.01); **C10G 35/09** (2013.01); **B01J 23/626** (2013.01); **B01J 35/399** (2024.01); **C10G 2300/1044** (2013.01); **C10G 2300/4018** (2013.01); **C10G 2400/02** (2013.01); **C10G 2400/30** (2013.01)

Citation (search report)

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- [A] US 5366617 A 19941122 - BRADLEY STEVEN A [US], et al
- [A] US 2889287 A 19590602 - SCOTT JR JOHN W

Citation (examination)

- EP 0224947 A1 19870610 - DOW CHEMICAL CO [US]
- See also references of WO 2006078240A1

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2006078240 A1 20060727**; CA 2594803 A1 20060727; CA 2594803 C 20121127; EP 1838433 A1 20071003; EP 1838433 A4 20090304; JP 2008526503 A 20080724; NO 20074221 L 20070925

DOCDB simple family (application)

**US 2005001545 W 20050118**; CA 2594803 A 20050118; EP 05711584 A 20050118; JP 2007551239 A 20050118; NO 20074221 A 20070817