

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)

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