

Title (en)

Process for upgrading petroleum fractions containing olefins and aromatics

Title (de)

Verfahren zur Verbesserung von Olefine und Aromate enthaltenden Erdölfraktionen

Title (fr)

Procédé de valorisation de fractions de pétrole contenant des oléfines et des aromatiques

Publication

EP 0780458 A3 19980318 (EN)

Application

EP 96309049 A 19961212

Priority

US 57672695 A 19951221

Abstract (en)

[origin: EP0780458A2] A petroleum fraction, for example catalytic gasoline, containing aromatics and olefins, is upgraded by contacting the fraction with a solid catalyst under conditions to alkylate aromatics in the fraction with olefins in the fraction. The process reduces the olefin content and decreases the octane number sensitivity of the fraction. Benzene content may also be reduced.

IPC 1-7

C10G 50/00; **C10G 35/04**

IPC 8 full level

B01J 23/889 (2006.01); **B01J 23/89** (2006.01); **C10G 35/04** (2006.01); **C10G 35/06** (2006.01); **C10G 35/085** (2006.01); **C10G 35/09** (2006.01); **C10G 35/095** (2006.01); **C10G 50/00** (2006.01); **C10G 59/02** (2006.01); **C10G 69/12** (2006.01)

CPC (source: EP)

C10G 35/04 (2013.01); **C10G 50/00** (2013.01); **C10G 59/02** (2013.01); **C10G 2400/02** (2013.01)

Citation (search report)

- [XY] WO 9420437 A1 19940915 - MOBIL OIL CORP [US]
- [Y] US 4795550 A 19890103 - SACHTLER J W ADRIAAN [US], et al
- [A] US 5347061 A 19940913 - HARANDI MOHSEN N [US], et al

Cited by

CN103540340A; CN109153923A; CN107001946A; AU2015353724B2; US6781023B2; EP1051457A4; US10995284B2; US7517824B2; US7744750B2; US6500996B1; WO0153432A1; WO2016085908A1; WO0153433A1; WO0130942A1; US8057664B2; US10260012B2

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0780458 A2 19970625; **EP 0780458 A3 19980318**; CA 2192524 A1 19970622; JP H09296184 A 19971118

DOCDB simple family (application)

EP 96309049 A 19961212; CA 2192524 A 19961210; JP 35462996 A 19961220