

Title (en)
Hydrocracking process using zeolite beta.

Title (de)
Hydrocrackverfahren mittels eines beta-Zeoliths.

Title (fr)
Procédé d'hydrocraquage utilisant un zéolite bêta.

Publication
EP 0214717 A1 19870318 (EN)

Application
EP 86304601 A 19860616

Priority
US 74748585 A 19850621

Abstract (en)
A hydrocracking process for gas oils and other high boiling petroleum fractions using an initial hydrotreating step to remove heteroatom impurities, is carried out at hydrogen partial pressures below 10,000 kPa using a hydrocracking catalyst based on zeolite beta. The process produces highly paraffinic, low pour point distillate products useful as jet fuels and diesel fuels. The process is capable of operating at high conversions with low catalyst aging rates and low specific hydrogen consumption.

IPC 1-7
C10G 45/64; **C10G 49/08**

IPC 8 full level
C10G 47/16 (2006.01); **C10G 65/12** (2006.01)

CPC (source: EP)
C10G 47/16 (2013.01); **C10G 65/12** (2013.01)

Citation (search report)

- EP 0094827 A1 19831123 - MOBIL OIL CORP [US]
- GB 1311431 A 19730328 - ATLANTIC RICHFIELD CO
- GB 1263289 A 19720209 - EXXON RESEARCH ENGINEERING CO [US]

Cited by
EP2682449A1; FR2815041A1; RU2674703C2; EP1762606A1; EP2357219A1; EP2557143A1; CN111097552A; WO0228989A1; WO9428090A1; US10590361B2; US6908602B1; US6916562B1; WO2011101010A1; WO2013020711A1; WO0069990A1; US9371495B2; US10273419B2; US10982156B2; WO02072730A3; WO2014095813A1

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EP 86304601 A 19860616; AU 5806986 A 19860529; BR 8602872 A 19860620; JP 14311186 A 19860620; ZA 864029 A 19860529