

Title (en)
PROCESS FOR OIL REFINING

Publication
EP 0539126 A3 19930616 (EN)

Application
EP 92309490 A 19921016

Priority
FI 914953 A 19911021

Abstract (en)
[origin: EP0539126A2] The invention relates to a process for preparing a diesel oil fraction with a high cetane number. According to the invention a charge containing light olefins is oligomerized in the presence of a zeolite catalyst to prepare a product composition which at least partially comprises C₃/4 theta hydrocarbons. The product composition thus obtained is hydrogenated to form a diesel oil fraction. According to the invention the catalyst used comprises a ZSM-5 zeolite catalyst, whose hydroogen ions have, at least partially been exchanged for Ca²⁺ © ions. By means of the invention it is possible to prepare diesel oil fraction with a cetane number higher than 49.

IPC 1-7
C10G 69/12

IPC 8 full level
C10G 69/12 (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)
C10G 69/126 (2013.01); **C10G 2400/04** (2013.01); **F02B 3/06** (2013.01)

Citation (search report)

- [Y] US 4482772 A 19841113 - TABAK SAMUEL A [US]
- [YD] GB 2136013 A 19840912 - BROKEN HILL PTY CO LTD, et al

Cited by
EP1739069A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0539126 A2 19930428; EP 0539126 A3 19930616; EP 0539126 B1 19960821; AT E141636 T1 19960915; DE 69212950 D1 19960926; DE 69212950 T2 19970220; FI 88682 B 19930315; FI 88682 C 19930628; FI 914953 A0 19911021

DOCDB simple family (application)
EP 92309490 A 19921016; AT 92309490 T 19921016; DE 69212950 T 19921016; FI 914953 A 19911021