

Title (en)
LUBE HYDROISOMERIZATION SYSTEM

Title (de)
SCHMIERMITTELHYDROISOMERISATIONSSYSTEM

Title (fr)
SYSTEME D'HYDROISOMERISATION DE LUBRIFIANTS

Publication
EP 1556463 A1 20050727 (EN)

Application
EP 03770719 A 20031007

Priority
• US 0332098 W 20031007
• US 41694902 P 20021008

Abstract (en)
[origin: WO2004033592A1] The present invention relates to a process for converting wax with a heavy component to high quality lube basestocks using a unidimensional intermediate pore molecular sieve with near circular pore structures having an average diameter of 0.50 nm to 0.65 nm wherein the difference between the maximum diameter and the minimum is ≤ 0.05 nm followed by a molecular sieve Zeolite Beta catalyst. Both catalysts comprise one or more Group VIII metals. For example, a cascaded two-bed catalyst system consisting of a first bed Pt/ZSM-48 catalyst followed by a second bed Pt/Beta catalyst improves processing of heavy lubes.

IPC 1-7
C10G 45/62; **C10G 45/64**; **C10G 65/04**

IPC 8 full level
C10G 45/62 (2006.01); **C10G 45/64** (2006.01); **C10G 65/04** (2006.01)

CPC (source: EP US)
C10G 45/62 (2013.01 - EP US); **C10G 2400/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2004033592A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004033592 A1 20040422; AU 2003279227 A1 20040504; AU 2003279227 B2 20080911; CA 2499352 A1 20040422; CN 1703491 A 20051130; EP 1556463 A1 20050727; JP 2006502295 A 20060119; US 2004108245 A1 20040610

DOCDB simple family (application)
US 0332098 W 20031007; AU 2003279227 A 20031007; CA 2499352 A 20031007; CN 200380101105 A 20031007; EP 03770719 A 20031007; JP 2004543636 A 20031007; US 67843403 A 20031003