

Title (en)
CATALYTIC DEWAXING PROCESS USING ZSM-11 ZEOLITE

Publication
EP 0155822 B1 19901219 (EN)

Application
EP 85301771 A 19850314

Priority
• US 59092684 A 19840319
• US 59109384 A 19840319
• US 59109484 A 19840319

Abstract (en)
[origin: EP0155822A2] Waxy oil, either a lubricating oil base stock or a fuel oil, is catalytically dewaxed using a catalyst comprising ZSM-11. The ZSM-11 may contain hydrogenation/dehydrogenation component such as Pt or Ni Mo. Dewaxing proceeds by wax cracking and wax isomerization.

IPC 1-7
C10G 45/64

IPC 8 full level
C10G 45/64 (2006.01)

CPC (source: EP)
C10G 45/64 (2013.01)

Citation (examination)
• Molecular Shape Selectivity of ZSM-5, Modified ZSM-5 and ZSM-11 TypeZeolites; E.G. Derouane, P. Dejaifve, Z. Gabelica and J.C. Vedrine, Faraday Discussion, 72 (1982) 331-344.
• Chemical, Physical and Catalytic Properties of ZSM-5 and ZSM-11 Zeolites: A Study by Election Microscopy, EDX-Stem and XPS; A. Auroux, H. Dexpert, Ch. Leclearcq and J.C. Vedrine, Applied Catalysis, 6 (1983) 95-119.
• Shape-selectivity Changes in High-silica Zeolites; P. Jacobs, J. Martens, J. Weitkamp and H. Beyer, Faraday Discussion, 72 (1982) 353-369.

Cited by
CN108472637A; CN108367280A; US2018362860A1; CN1042948C; EP0404666A1; FR2648823A1; US6399845B1; US10035962B2; US10888850B2; US10669491B2; WO2018160424A1; WO9422981A1; WO2017112558A1; WO2017112647A1; WO2018204155A1; WO2017112377A1; US10632453B2

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0155822 A2 19850925; EP 0155822 A3 19880113; EP 0155822 B1 19901219; AU 3920785 A 19851003; AU 578930 B2 19881110; BR 8501129 A 19851105; DE 3580928 D1 19910131

DOCDB simple family (application)
EP 85301771 A 19850314; AU 3920785 A 19850227; BR 8501129 A 19850314; DE 3580928 T 19850314