

Title (en)
METHOD FOR IMPROVING THE POUR-POINT OF PARAFFIN FEEDSTOCK WITH A NU-86 ZEOLITE BASED CATALYST

Title (de)
METHODE ZUR VERBESSERUNG DES STOCKPUNKTES VON PARAFFIN AUSGANGSSTOFFEN MIT EINEM AUF NU-86 ZEOLITH BASIERENDEN KATALYSATOR

Title (fr)
PROCEDE POUR L'AMELIORATION DU POINT D'ECOULEMENT DE CHARGES PARAFFINIQUES AVEC UN CATALYSEUR A BASE DE ZEOLITHE NU-86

Publication
EP 0938530 B1 20030521 (FR)

Application
EP 97947123 A 19971121

Priority
• FR 9702113 W 19971121
• FR 9614627 A 19961127
• FR 9614628 A 19961127

Abstract (en)
[origin: US5932088A] The invention concerns a process for improving the pour point of a feed comprising paraffins containing more than 10 carbon atoms, in which process the feed to be treated is brought into contact with a catalyst comprising NU-86 zeolite, preferably dealuminated, and at least one hydro-dehydrogenating element, at a temperature which is in the range 170 DEG C. to 500 DEG C., a pressure in the range 1 to 250 bar and an hourly space velocity in the range 0.05 to 100 h⁻¹, in the presence of hydrogen in a proportion of 50 to 2000 l/l of feed. The product from heavy feeds is fractionated to produce at least one cut including at least one middle distillate with a reduced pour point, and a residue including oil bases with a reduced pour point and a high viscosity index.

IPC 1-7
C10G 45/64

IPC 8 full level
B01J 29/70 (2006.01); **C10G 45/64** (2006.01); **C10G 47/18** (2006.01); **C10M 101/02** (2006.01); **C10M 177/00** (2006.01); **C10N 30/02** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP KR US)
C10G 45/64 (2013.01 - EP KR US)

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

DOCDB simple family (publication)
US 5932088 A 19990803; AT E240997 T1 20030615; AU 5228398 A 19980622; AU 733124 B2 20010510; BR 9713447 A 20000328; CA 2272143 A1 19980604; CN 1098334 C 20030108; CN 1245522 A 20000223; DE 69722235 D1 20030626; DE 69722235 T2 20031204; EP 0938530 A1 19990901; EP 0938530 B1 20030521; ES 2199376 T3 20040216; JP 2001506677 A 20010522; JP 3906366 B2 20070418; KR 100530712 B1 20051124; KR 20000069140 A 20001125; NZ 335893 A 20000929; RU 2178451 C2 20020120; WO 9823706 A1 19980604

DOCDB simple family (application)
US 97773997 A 19971125; AT 97947123 T 19971121; AU 5228398 A 19971121; BR 9713447 A 19971121; CA 2272143 A 19971121; CN 97181544 A 19971121; DE 69722235 T 19971121; EP 97947123 A 19971121; ES 97947123 T 19971121; FR 9702113 W 19971121; JP 52435498 A 19971121; KR 19997004643 A 19990526; NZ 33589397 A 19971121; RU 99113442 A 19971121