

Title (en)

PROCESS FOR THE HYDROISOMERIZATION OF FISCHER-TROPSCH WAX TO PRODUCE LUBRICATING OIL

Publication

**EP 0323092 B1 19920422 (EN)**

Application

**EP 88311982 A 19881216**

Priority

US 13479787 A 19871218

Abstract (en)

[origin: EP0323092A2] Fischer-Tropsch wax is converted to a lubricating oil having a high viscosity index and a low pour point by first hydrotreating (R-1) the wax under relatively severe conditions and thereafter hydroisomerizing (R-2) the hydrotreated wax in the presence of hydrogen on a specified type of fluorided Group VIII metal-on-alumina catalyst. The hydroisomerate is then dewaxed (D-1) to produced a premium lubricating oil base stock. The preferred hydroisomerization catalyst is a fluorided platinum-on-alumina catalyst containing relatively low surface fluoride, a high concentration of aluminum fluoride hydroxide hydrate and a low nitrogen concentration.

IPC 1-7

**C10G 45/62; C10G 65/04**

IPC 8 full level

**B01J 23/42** (2006.01); **B01J 27/125** (2006.01); **B01J 37/26** (2006.01); **C10G 45/62** (2006.01); **C10G 65/04** (2006.01); **C10G 65/12** (2006.01); **C10G 67/04** (2006.01); **C10M 101/02** (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 70/00** (2006.01)

CPC (source: EP)

**C10G 45/62** (2013.01); **C10G 65/043** (2013.01)

Citation (examination)

BE 627517 A

Cited by

US6702937B2; US6099719A; EP1222239A4; EP0744452A3; EP0849351A3; EP2412787A4; AU2002249198B2; EP0372610A1; US5976353A; EP0743351A3; CN103773413A; SG94676A1; EP1212388A4; EP0668342A1; GB2455995B; GB2455995A; EP1029029A4; CN104661717A; AP3819A; RU2635357C2; US6096940A; EP1389635A1; FR2718145A1; US5834522A; KR100449798B1; WO2004074406A1; WO2014020535A3; WO0008115A1; WO2004106467A1; WO0102514A1; US7300565B2; US6475960B1; US7497941B2; US6420618B1; US6506297B1; US7670996B2; US7531081B2; EP1272592B1; US7151163B2; US7285206B2; US7473347B2; US7332072B2; US9879189B2; WO9721788A1; WO9527020A1; EP1268712B2

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0323092 A2 19890705; EP 0323092 A3 19890830; EP 0323092 B1 19920422;** AU 2694588 A 19890622; AU 610671 B2 19910523; CA 1310287 C 19921117; DE 3870429 D1 19920527; JP H01301789 A 19891205; MY 104076 A 19931130; NO 885605 D0 19881216; NO 885605 L 19890619

DOCDB simple family (application)

**EP 88311982 A 19881216;** AU 2694588 A 19881216; CA 586219 A 19881216; DE 3870429 T 19881216; JP 32030888 A 19881219; MY PI19881473 A 19881217; NO 885605 A 19881216