

Title (en)

PROCESS TO PREPARE A BASE OIL FROM A FISCHER -TROPSCH SYNTHESIS PRODUCT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GRUNDÖLS AUS EINEM PRODUKT DER FISCHER-TROPSCH-SYNTHESE

Title (fr)

PROCÉDÉ DE PRÉPARATION D'HUILES DE BASE À PARTIR D'UN PRODUIT DE SYNTHÈSE FISCHER-TROPSCH

Publication

EP 1841839 A1 20071010 (EN)

Application

EP 05823869 A 20051227

Priority

- EP 2005057172 W 20051227
- EP 04107026 A 20041228
- EP 05823869 A 20051227

Abstract (en)

[origin: WO2006069990A1] Process to prepare base oils from a Fischer-Tropsch synthesis product by (a) separating the Fischer-Tropsch synthesis product into a fraction (i) boiling in the middle distillate range and below, a heavy ends fraction (iii) and an intermediate base oil precursor fraction (ii) boiling between fraction (i) and fraction (iii) , (b) subjecting the base oil precursor fraction (ii) to a catalytic hydroisomerisation step in the presence of a catalyst comprising a binder, zeolite Beta and a Group VIII metal and a catalytic dewaxing step in the presence of a catalyst comprising a binder, a medium pore size zeolite having and a Group VIII hydrogenation component to yield one or more base oil grades, (c) subjecting the heavy ends fraction (iii) to a conversion step to yield a fraction (iv) boiling below the heavy ends fraction (iii) and (d) subjecting the high boiling fraction (v) of fraction (iv) to a catalytic hydroisomerisation and catalytic dewaxing process to yield one or more base oil grades .

IPC 8 full level

C10G 65/14 (2006.01)

CPC (source: EP US)

C10G 65/14 (2013.01 - EP US)

Citation (search report)

See references of WO 2006069990A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006069990 A1 20060706; CN 101090957 A 20071219; EP 1841839 A1 20071010; JP 2008525607 A 20080717; US 2008156697 A1 20080703

DOCDB simple family (application)

EP 2005057172 W 20051227; CN 200580045141 A 20051227; EP 05823869 A 20051227; JP 2007548816 A 20051227; US 79421705 A 20051227