

Title (en)

Process for producing a naphthenic base oil

Title (de)

Verfahren zur Herstellung eines Öls auf Naphthenbasis

Title (fr)

Procédé pour la production d'huile à base naphénique

Publication

EP 1997868 A1 20081203 (EN)

Application

EP 07109176 A 20070530

Priority

EP 07109176 A 20070530

Abstract (en)

The invention is directed to a process for producing at least one naphthenic base oil from a hydrocarbon feed containing heteroatom species and aromatics, comprising the steps of: a) hydrotreating the feed under hydrotreating conditions effective for removing at least a portion of the heteroatom species and saturating at least a portion of the aromatics to produce a first stage effluent having a reduced amount of heteroatom species; and b) removing gaseous and liquid fractions boiling in the gas oil range from the effluent from step (a), and c) dewaxing the effluent obtained in step (b) under catalytic dewaxing conditions in the presence of a catalyst composition comprising a molecular sieve containing covalently bound alumina moieties in its framework and having pores with a diameter in the range of from 0.35 to 0.80 nm, wherein the molecular sieve has been modified to reduce the mole percentage of alumina, to produce at least one effluent, and d) fractionating the effluent obtained in step(c) to produce at least one naphthenic base oil grade.

IPC 8 full level

C10G 45/64 (2006.01); **C10G 65/04** (2006.01); **C10G 65/08** (2006.01)

CPC (source: EP)

C10G 45/64 (2013.01); **C10G 65/043** (2013.01); **C10G 65/08** (2013.01)

Citation (search report)

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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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1997868 A1 20081203

DOCDB simple family (application)

EP 07109176 A 20070530