

Title (en)

Removal of polycyclic aromatic compounds from extracts

Title (de)

Entfernung von polycyclischen aromatischen Verbindungen aus Extrakten

Title (fr)

Enlèvement de composés aromatiques polycycliques à partir d'extraits

Publication

EP 1106673 A3 20020206 (EN)

Application

EP 00204357 A 20001206

Priority

US 45506999 A 19991206

Abstract (en)

[origin: EP1106673A2] The invention comprises a two stage process of producing aromatic process oil containing less than three weight percent polycyclic aromatics: A single step extraction of mixed extract from a lube extraction unit is carried out in the first stage. In this feed preparation step, sulphur, nitrogen, and polycyclic aromatics are significantly reduced. This precleaned extract is then used for the second stage, wherein a hydrogenation process is adopted to reduce polycyclic aromatics to less than three weight percent. In this process, the starting material has high polycyclic aromatics content and a final product having less than three weight percent polycyclic aromatics and greater than 40% total aromatics is obtained. <IMAGE>

IPC 1-7

C10G 67/04

IPC 8 full level

C10G 21/00 (2006.01); **C10G 67/04** (2006.01)

CPC (source: EP)

C10G 21/00 (2013.01); **C10G 67/04** (2013.01)

Citation (search report)

- [XY] GB 1518162 A 19780719 - EXXON RESEARCH ENGINEERING CO
- [Y] US 4515680 A 19850507 - HETTINGER JR WILLIAM P [US], et al
- [Y] US 3912618 A 19751014 - DRYER STANLEY RAYMOND COLLINS
- [Y] US 5059303 A 19911022 - TAYLOR JAMES L [US], et al
- [AD] EP 0839891 A2 19980506 - REPSOL PETROLEO SA [ES]

Cited by

CN106190288A; CN106190292A; US9567532B2; US6802960B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1106673 A2 20010613; **EP 1106673 A3 20020206**; **EP 1106673 B1 20041006**; DE 60014558 D1 20041111; DE 60014558 T2 20051020

DOCDB simple family (application)

EP 00204357 A 20001206; DE 60014558 T 20001206