

Title (en)

Process for the production of process oils with a low content of polycyclic aromatic compounds

Title (de)

Verfahren zur Herstellung von Produktölen mit niedrigem Polycycloaromatengehalt

Title (fr)

Procédé de préparation d'huiles de production à basse teneur en aromatiques polycycliques

Publication

EP 0417980 B1 19970625 (EN)

Application

EP 90309772 A 19900906

Priority

DE 3930422 A 19890912

Abstract (en)

[origin: EP0417980A1] Process oils with an aromatic content of more than 50 weight %, in particular of more than 55 weight %, according to ASTM D 2007 and a content of polycyclic aromatic compounds of less than 3 weight % according to IP 346 are prepared from a primary extract (4) obtained by treatment of a lubricating oil distillate originating a mineral oil with a polar solvent. The primary extract (4) is extracted in a counter current extraction column (1) with a polar solvent (2) using a volume ratio of primary extract fed to the column to polar solvent in the range 1:1 to 1:1.8 as well as a temperature in the head region of the counter current extraction column in the range 50-90 DEG C and in the bottom region of 20-60 DEG C and with the head temperature higher than the bottom temperature.

IPC 1-7

C10G 21/00

IPC 8 full level

C10G 21/00 (2006.01)

CPC (source: EP)

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Cited by

US6399697B1; US6605695B2; WO2011125042A1; US8864981B2; US6146520A; KR20020076626A; FR2958655A1; CN102884160A; EP0839891A3; EP1177269A4; KR20020076627A; EP0933418A3; EP0489371A1; EA010590B1; US6410816B2; RU2473668C2; EP0950703A3; EP1031621A3; ES2122917A1; ES2137123A1; EP0940462A4; CN102952570A; CN102971400A; US9567532B2; US7186876B2; WO0177257A1; WO2014175770A1; US11028332B2; WO2022170257A1; US6248929B1; US6878263B2; TWI464252B; US6802960B1; WO2011145086A2; US9512366B2; WO0052115A1; WO2011145086A3; EP2357219A1; WO2011101010A1; WO2013020711A1; EP2682449A1; US9371495B2; US10273419B2; US10982156B2

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