

Title (en)

Use of an ashless borated dispersant

Title (de)

Verwendung eines aschefreien Dispergiermittels

Title (fr)

Utilisation d'un dispersant sans cendres

Publication

**EP 2290041 B1 20120829 (EN)**

Application

**EP 10171303 A 20100729**

Priority

- GB 0917982 A 20091014
- EP 09010813 A 20090824
- EP 10171303 A 20100729

Abstract (en)

[origin: EP2290041A2] A lubricating oil composition comprising: (A) an oil of lubricating viscosity in a major amount, comprising a Group III base stock; (B) as an additive component in a minor amount, an oil-soluble boron containing compound; and, wherein the lubricating oil composition is contaminated with at least 0.3 mass %, based on the total mass of the lubricating oil composition, of a biofuel or a decomposition product thereof and mixtures thereof.

IPC 8 full level

**C10M 133/56** (2006.01); **C10N 10/04** (2006.01); **C10N 30/10** (2006.01); **C10N 30/12** (2006.01); **C10N 40/25** (2006.01); **C10N 40/26** (2006.01); **C10N 60/14** (2006.01); **C10N 70/00** (2006.01)

CPC (source: EP)

**C10M 133/56** (2013.01); **C10M 2203/1006** (2013.01); **C10M 2207/028** (2013.01); **C10M 2207/144** (2013.01); **C10M 2207/262** (2013.01); **C10M 2207/281** (2013.01); **C10M 2207/283** (2013.01); **C10M 2215/02** (2013.01); **C10M 2215/08** (2013.01); **C10M 2215/28** (2013.01); **C10M 2219/046** (2013.01); **C10M 2223/045** (2013.01); **C10M 2227/061** (2013.01); **C10N 2010/04** (2013.01); **C10N 2030/10** (2013.01); **C10N 2030/12** (2013.01); **C10N 2030/42** (2020.05); **C10N 2030/45** (2020.05); **C10N 2030/52** (2020.05); **C10N 2030/70** (2020.05); **C10N 2030/78** (2020.05); **C10N 2040/251** (2020.05); **C10N 2040/252** (2020.05); **C10N 2040/255** (2020.05); **C10N 2040/26** (2013.01); **C10N 2060/14** (2013.01); **C10N 2070/02** (2020.05)

Citation (examination)

WO 0000576 A1 20000106 - CHEVRON CHEM CO [US]

Cited by

EP2692839A1; CN107636130A; CN115992021A; EP2791296A4; CN107418652A; CN109715768A; US10344245B2; US9353327B2; US9193930B2; US10982166B2; WO2020023430A1; WO2016124292A1; WO2018077621A1; WO2018080789A1; US10781394B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**EP 2290041 A2 20110302; EP 2290041 A3 20110316; EP 2290041 B1 20120829**

DOCDB simple family (application)

**EP 10171303 A 20100729**