

Title (en)

Lubricating composition containing metal salixarate as detergent and succinimides as dispersants

Title (de)

Schmiermittelzusammensetzung mit Salixaratmetallsalz als Detergenz und Succinimide als Dispergatoren

Title (fr)

Composition lubrifiante contenant des sels métalliques de salixarate comme détergents et de succinimides comme dispersants

Publication

EP 2184338 A3 20100811 (EN)

Application

EP 10152942 A 20041207

Priority

- EP 04813239 A 20041207
- US 52898903 P 20031212

Abstract (en)

[origin: WO2005061682A2] The present invention provides a composition (a) a detergent package comprising: (i) a metal salixarate; and (ii) optionally a detergent other than component (a)(i); (b) a dispersant package comprising: (i) a dispersant with a carbonyl to nitrogen ratio of 1 or higher; and (ii) a dispersant with a carbonyl to nitrogen ratio of less than 1; (c) an antioxidant package comprising: (i) a hindered phenol; and (d) an oil of lubricating viscosity, wherein the composition has a phosphorus content of less than or equal to 800 ppm; and wherein the sulphated ash content is less than or equal to 1.1 weight percent of the composition. The invention further provides a process for preparing the composition and its use.

IPC 8 full level

C10M 163/00 (2006.01); **C10M 161/00** (2006.01); **C10M 167/00** (2006.01); **C10N 30/04** (2006.01); **C10N 30/06** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP)

C10M 163/00 (2013.01); **C10M 167/00** (2013.01); **C10M 2205/022** (2013.01); **C10M 2205/024** (2013.01); **C10M 2205/04** (2013.01); **C10M 2207/023** (2013.01); **C10M 2207/027** (2013.01); **C10M 2207/028** (2013.01); **C10M 2207/144** (2013.01); **C10M 2207/26** (2013.01); **C10M 2207/262** (2013.01); **C10M 2209/101** (2013.01); **C10M 2215/28** (2013.01); **C10M 2219/044** (2013.01); **C10M 2219/046** (2013.01); **C10M 2219/068** (2013.01); **C10M 2219/082** (2013.01); **C10M 2219/088** (2013.01); **C10M 2219/089** (2013.01); **C10M 2223/045** (2013.01); **C10M 2227/061** (2013.01); **C10M 2227/062** (2013.01); **C10N 2010/04** (2013.01); **C10N 2010/12** (2013.01); **C10N 2030/42** (2020.05); **C10N 2030/43** (2020.05); **C10N 2030/45** (2020.05); **C10N 2030/52** (2020.05); **C10N 2040/25** (2013.01); **C10N 2040/251** (2020.05); **C10N 2040/252** (2020.05); **C10N 2040/255** (2020.05)

Citation (search report)

- [Y] WO 03022963 A1 20030320 - LUBRIZOL CORP [US]
- [YD] WO 03018728 A1 20030306 - LUBRIZOL CORP [US], et al
- [A] WO 03040273 A2 20030515 - LUBRIZOL CORP [US], et al

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005061682 A2 20050707; **WO 2005061682 A3 20051027**; AT E458800 T1 20100315; AU 2004303846 A1 20050707; AU 2004303846 B2 20091029; CA 2549095 A1 20050707; CA 2549095 C 20130521; DE 602004025731 D1 20100408; EP 1692249 A2 20060823; EP 1692249 B1 20100224; EP 2184338 A2 20100512; EP 2184338 A3 20100811; JP 2007514040 A 20070531

DOCDB simple family (application)

US 2004040895 W 20041207; AT 04813239 T 20041207; AU 2004303846 A 20041207; CA 2549095 A 20041207; DE 602004025731 T 20041207; EP 04813239 A 20041207; EP 10152942 A 20041207; JP 2006543922 A 20041207