

Title (en)

POLYMER THICKENED GREASE COMPOSITIONS AND THEIR USE

Title (de)

POLYMERVERDICKTE SCHMIERFETTZUSAMMENSETZUNGEN UND IHRE VERWENDUNG

Title (fr)

COMPOSITIONS DE GRAISSE ÉPAISSIES PAR UN POLYMÈRE ET LEUR UTILISATION

Publication

EP 2649168 A1 20131016 (EN)

Application

EP 10787033 A 20101206

Priority

EP 2010007386 W 20101206

Abstract (en)

[origin: WO2012076025A1] The invention provides a grease composition comprising: (a) a polymer thickened grease; (b) an acid having a pKa in the range of 2-7 wherein the pKa is measured in water at 25°C; and (c) a metal salt. The invention further provides a mechanical component having a metal surface onto which a layer of the grease composition according to the invention has been applied. In addition, the invention relates to the use of the present grease composition for reconditioning the lubrication of a mechanical component having a metal surface; and the use of the present grease composition for protecting a mechanical component having a metal surface against corrosion, wear or anti-fretting. The invention also relates to a method for preparing the present grease composition.

IPC 8 full level

C10M 169/06 (2006.01); **C10N 20/04** (2006.01); **C10N 30/06** (2006.01); **C10N 40/02** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP US)

C10M 169/06 (2013.01 - EP US); **C10M 2201/085** (2013.01 - EP US); **C10M 2205/0213** (2013.01 - EP US); **C10M 2207/126** (2013.01 - EP US); **C10M 2207/128** (2013.01 - EP US); **C10M 2207/16** (2013.01 - EP US); **C10M 2215/10** (2013.01 - EP US); **C10M 2215/12** (2013.01 - EP US); **C10M 2219/04** (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2010/08** (2013.01 - EP US); **C10N 2010/10** (2013.01 - EP US); **C10N 2010/14** (2013.01 - EP US); **C10N 2010/16** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2050/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2012076025A1

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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012076025 A1 20120614; BR 112013013581 A2 20190924; CN 103347989 A 20131009; EP 2649168 A1 20131016; US 2014011718 A1 20140109

DOCDB simple family (application)

EP 2010007386 W 20101206; BR 112013013581 A 20101206; CN 201080071170 A 20101206; EP 10787033 A 20101206; US 201013992114 A 20101206