

Title (en)

Grease composition, process for their preparation and their use

Title (de)

Schmierfettzusammensetzung, Verfahren zur Herstellung derselben sowie deren Verwendung

Title (fr)

Composition de graisse, procédé pour leur préparation et leur utilisation

Publication

EP 0892038 B1 20010321 (DE)

Application

EP 98112995 A 19980713

Priority

DE 19730318 A 19970715

Abstract (en)

[origin: EP0892038A1] Lubricant composition comprises: (a) an oil (mixture) of one or more ester(s) of aromatic tri- or tetra-carboxylic acids with an alcohol of mixture of alcohols of formula: $C_nH_{2n+1}OH$ (where $n = 7-22$) and/or one or more ester(s) of trimethylolpropane, pentaerythritol or dipentaerythritol with aliphatic carboxylic acids of formula: $C_nH_{2n+1}COOH$ (where $n = 6-21$); (b) a thickener consisting of di- and/or poly-urea; and (c) an anti-wear additive consisting of a mixture of triarylphosphorothionate, alkyl (8-20C) amino- (mono,di)-hexyl-phosphate and alkyl (1-8C) amino-iso-butyl-phosphate. Production of the composition is also claimed and comprises mixing the components of (c) with a part of the oil (mixture) below 80 degrees C, adding a mixture of (b) with the remainder of the oil (mixture), and homogenising.

IPC 1-7

C10M 169/00

IPC 8 full level

C10M 169/00 (2006.01)

CPC (source: EP US)

C10M 105/36 (2013.01 - EP US); **C10M 105/38** (2013.01 - EP US); **C10M 115/08** (2013.01 - EP US); **C10M 119/24** (2013.01 - EP US); **C10M 137/08** (2013.01 - EP US); **C10M 137/105** (2013.01 - EP US); **C10M 169/00** (2013.01 - EP US); **C10M 2207/2825** (2013.01 - EP US); **C10M 2207/2835** (2013.01 - EP US); **C10M 2207/2855** (2013.01 - EP US); **C10M 2215/006** (2013.01 - EP US); **C10M 2215/026** (2013.01 - EP US); **C10M 2215/0813** (2013.01 - EP US); **C10M 2215/1013** (2013.01 - EP US); **C10M 2215/1026** (2013.01 - EP US); **C10M 2215/121** (2013.01 - EP US); **C10M 2215/2206** (2013.01 - EP US); **C10M 2215/2275** (2013.01 - EP US); **C10M 2223/043** (2013.01 - EP US); **C10M 2223/047** (2013.01 - EP US)

Cited by

EP3375850A1; EP3375851A1; EP3372660A1; EP3372659A1; WO2016096074A3; WO2016096075A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0892038 A1 19990120; **EP 0892038 B1 20010321**; DE 19730318 A1 19990121; DE 19730318 C2 20020404; DE 59800550 D1 20010426; US 5916853 A 19990629

DOCDB simple family (application)

EP 98112995 A 19980713; DE 19730318 A 19970715; DE 59800550 T 19980713; US 11579698 A 19980715