

Title (en)

GREASE COMPOSITION AND ROLLING DEVICE

Title (de)

SCHMIERFETTZUSAMMENSETZUNG UND ROLLVORRICHTUNG

Title (fr)

COMPOSITION GRAISSEUSE ET DISPOSITIF DE ROULEMENT

Publication

EP 1719813 A1 20061108 (EN)

Application

EP 04713673 A 20040223

Priority

JP 2004002057 W 20040223

Abstract (en)

As a grease composition maintaining a low torque over a wide temperature range and further hardly inducing white texture flaking, the present invention provides a grease composition comprising a base oil having a dynamic viscosity at 40 °C of 20 to 50 mm²/s, a urea compound as a thickening agent in an amount of 8 to 30% by weight with respect to total weight of the grease, at least one antirust additive selected from carboxylic acids, carboxylate salts, and ester-based antirust additives in an amount of 0.1 to 10% by weight per single additive with respect to total weight of the grease and in an amount of 0.1 to 15% by weight in total of the additive with respect to total weight of the grease, and a rolling device comprising the grease composition which works with a low torque, hardly induces white texture flaking, and is excellent in durability.

IPC 8 full level

C10M 169/00 (2006.01); **C10M 169/06** (2006.01); **F16C 33/66** (2006.01); **C10M 115/08** (2006.01); **C10M 129/26** (2006.01); **C10M 129/68** (2006.01); **C10N 20/02** (2006.01); **C10N 30/06** (2006.01); **C10N 30/12** (2006.01); **C10N 40/02** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP US)

C10M 169/00 (2013.01 - EP US); **C10M 169/06** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2207/0406** (2013.01 - EP US); **C10M 2207/12** (2013.01 - EP US); **C10M 2207/122** (2013.01 - EP US); **C10M 2207/123** (2013.01 - EP US); **C10M 2207/126** (2013.01 - EP US); **C10M 2207/127** (2013.01 - EP US); **C10M 2207/16** (2013.01 - EP US); **C10M 2209/1033** (2013.01 - EP US); **C10M 2215/1026** (2013.01 - EP US); **C10M 2219/068** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2050/10** (2013.01 - EP US)

Cited by

US10600593B2

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 1719813 A1 20061108; **EP 1719813 A4 20101103**; CN 1922295 A 20070228; US 2007173420 A1 20070726; WO 2005080536 A1 20050901

DOCDB simple family (application)

EP 04713673 A 20040223; CN 200480042059 A 20040223; JP 2004002057 W 20040223; US 59023804 A 20040223