

Title (en)

LUBRICANT COMPOSITIONS FOR TRANSMISSIONS

Title (de)

SCHMIERMITTELZUSAMMENSETZUNGEN FÜR GETRIEBE

Title (fr)

COMPOSITIONS LUBRIFIANTES POUR TRANSMISSIONS

Publication

EP 3027719 A1 20160608 (FR)

Application

EP 14745153 A 20140801

Priority

- FR 1357713 A 20130802
- EP 2014066596 W 20140801

Abstract (en)

[origin: WO2015014986A1] The invention relates to a lubricant composition comprising at least one base oil, at least one compound comprising a dithiocarbamate group, at least one compound comprising a phosphite group, at least one compound comprising a dithiophosphate group, and at least one compound comprising a thiadiazole group. Said lubricant composition simultaneously has good anti-wear and extreme pressure properties, a low friction coefficient and good anti-seizure properties. The lubricant composition can be used for the lubrication of transmissions such as gearboxes, bridges, preferably manual gearboxes of motor vehicles.

IPC 8 full level

C10M 141/10 (2006.01); **F16H 57/04** (2010.01); **C10N 30/06** (2006.01); **C10N 40/04** (2006.01)

CPC (source: EP US)

C10M 105/04 (2013.01 - US); **C10M 133/06** (2013.01 - US); **C10M 133/44** (2013.01 - US); **C10M 135/18** (2013.01 - US);
C10M 135/36 (2013.01 - US); **C10M 137/12** (2013.01 - US); **C10M 137/14** (2013.01 - US); **C10M 141/10** (2013.01 - EP US);
C10M 169/04 (2013.01 - US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2207/021** (2013.01 - EP US); **C10M 2207/026** (2013.01 - EP US);
C10M 2207/10 (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US); **C10M 2215/223** (2013.01 - EP US); **C10M 2219/066** (2013.01 - EP US);
C10M 2219/068 (2013.01 - EP US); **C10M 2219/106** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10M 2223/047** (2013.01 - EP US);
C10M 2223/049 (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/54** (2020.05 - EP US);
C10N 2040/04 (2013.01 - EP US); **C10N 2040/042** (2020.05 - EP US); **C10N 2040/044** (2020.05 - EP US)

Citation (search report)

See references of WO 2015014986A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015014986 A1 20150205; CN 105579564 A 20160511; EP 3027719 A1 20160608; FR 3009309 A1 20150206; FR 3009309 B1 20161007;
JP 2016525623 A 20160825; KR 20160040255 A 20160412; US 2016168505 A1 20160616

DOCDB simple family (application)

EP 2014066596 W 20140801; CN 201480053470 A 20140801; EP 14745153 A 20140801; FR 1357713 A 20130802;
JP 2016530544 A 20140801; KR 20167005456 A 20140801; US 201414908716 A 20140801