

Title (en)
USE OF LUBRICANT COMPOSITIONS FOR TRANSMISSIONS

Title (de)
VERWENDUNG EINER SCHMIERSTOFFZUSAMMENSETZUNG FÜR GETRIEBE

Title (fr)
UTILISATION DE COMPOSITIONS LUBRIFIANTES POUR TRANSMISSIONS

Publication
EP 2242824 A2 20101027 (FR)

Application
EP 08872655 A 20081218

Priority

- FR 2008001778 W 20081218
- FR 0709017 A 20071221

Abstract (en)
[origin: FR2925520A1] Process for improving chipping resistance of transmission lubricating compositions containing sulfur compounds and phosphosulfur compounds, comprises adding compounds reducing at least 5 mass% of active sulfur measured by ASTM D1662 in the final composition, to the initial transmission lubricating composition. An independent claim is included for a lubricating composition comprising: base oils (60-90 wt.%) of mineral, synthetic or natural origin; an anti-wear and extreme pressure phosphorus-sulfur and phosphorus additive; and an anti-wear and extreme pressure sulfur additive, where the ratio of the mass content of sulfur element (measured by ASTM D2622) and the mass content of phosphorus element (measured by ASTM D5185) of the lubricating composition is 20-40, preferably 25-35, and the ratio of the mass content of sulfur and the mass content of sulfur element of the lubricating composition is less than 0.34, preferably less than 0.33.

IPC 8 full level
C10M 169/04 (2006.01); **C10N 20/02** (2006.01); **C10N 30/06** (2006.01)

CPC (source: EP US)
C10M 141/10 (2013.01 - US); **C10M 169/04** (2013.01 - EP US); **C10M 2205/026** (2013.01 - EP US); **C10M 2207/2825** (2013.01 - EP US); **C10M 2209/084** (2013.01 - EP US); **C10M 2219/022** (2013.01 - EP US); **C10M 2223/04** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10M 2223/06** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2040/04** (2013.01 - EP US)

Citation (search report)
See references of WO 2009103897A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
FR 2925520 A1 20090626; FR 2925520 B1 20110225; BR PI0820358 A2 20180717; CA 2709322 A1 20090827; CA 2709322 C 20151020; CN 101903507 A 20101201; CN 101903507 B 20131204; EP 2242824 A2 20101027; EP 2242824 B1 20171018; MX 2010006754 A 20101020; US 2011003724 A1 20110106; US 9133414 B2 20150915; WO 2009103897 A2 20090827; WO 2009103897 A3 20091112

DOCDB simple family (application)
FR 0709017 A 20071221; BR PI0820358 A 20081218; CA 2709322 A 20081218; CN 200880121871 A 20081218; EP 08872655 A 20081218; FR 2008001778 W 20081218; MX 2010006754 A 20081218; US 80852708 A 20081218