Title (en)

LUBRICATING COMPOSITION WITH IMPROVED ANTI-CORROSION PROPERTIES FOR A MOTOR VEHICLE DRIVE TRAIN

Title (de)

SCHMIERMITTELZUSAMMENSETZUNG MIT VERBESSERTEN KORROSIONSSCHUTZEIGENSCHAFTEN FÜR EINEN KRAFTFAHRZEUGANTRIEBSSTRANG

Title (fr)

COMPOSITION LUBRIFIANTE POUR TRANSMISSION AUTOMOBILE AUX PROPRIÉTÉS ANTICORROSION AMÉLIORÉES

Publication

EP 4185675 A1 20230531 (FR)

Application

EP 21746440 A 20210719

Priority

- FR 2007724 A 20200722
- EP 2021070073 W 20210719

Abstract (en)

[origin: WO2022018000A1] The present invention relates to a lubricating composition comprising at least one base oil, at least one dispersant and at least one phosphite polymer having formula (I) wherein - each of the R1, R2, R3 and R4 can be independently selected from the C1-C20 alkyl, C3-C22 alkenyl, C6-C40 cycloalkyl, C7-C40 cycloalkenyl, C1-20 methoxy alkyl glycol ethers and Y-OH groups; - Y is selected from among the C2-C40 alkylene, C2-C40 alkyl lactone -R7- N(R8)-R9- groups, wherein R7, R8 and R9 are independently selected from among hydrogen, C1-C20 alkyl, C3-C22 alkenyl, C6-C40 cycloalkyl, C7-C40 cycloalkenyl, C1-20 methoxy alkyl glycol ethers; - m is an integer from 2 to 100; - n is an integer from 1 to 1000.

IPC 8 full level

C10M 137/04 (2006.01); **C10M 137/10** (2006.01); **C10M 153/04** (2006.01)

CPC (source: EP US)

C10M 137/04 (2013.01 - EP); **C10M 137/105** (2013.01 - EP US); **C10M 153/04** (2013.01 - EP US); **C10M 155/00** (2013.01 - US); **C10M 157/10** (2013.01 - US); **C10M 161/00** (2013.01 - US); **C10M 169/044** (2013.01 - US); C10M 2203/003 (2013.01 - US); C10M 2223/047 (2013.01 - US); C10M 2225/00 (2013.01 - US); C10M 2229/00 (2013.01 - US); C10N 2020/04 (2013.01 - US); C10N 2030/04 (2013.01 - US); C10N 2030/06 (2013.01 - US); C10N 2030/12 (2013.01 - US); C10N 2030/42 (2020.05 - US); C10N 2030/43 (2020.05 - US); C10N 2040/04 (2013.01 - US)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022018000 A1 20220127; CN 116194559 A 20230530; EP 4185675 A1 20230531; FR 3112791 A1 20220128; FR 3112791 B1 20230428; JP 2023534529 A 20230809; KR 20230042288 A 20230328; MX 2023000842 A 20230418; US 2023295532 A1 20230921

DOCDB simple family (application)

EP 2021070073 W 20210719; CN 202180060065 A 20210719; EP 21746440 A 20210719; FR 2007724 A 20200722; JP 2023503489 A 20210719; KR 20237003349 A 20210719; MX 2023000842 A 20210719; US 202118016520 A 20210719