Title (en)

USE OF A DIESTER TO IMPROVE THE ANTI-WEAR PROPERTIES OF A LUBRICANT COMPOSITION

Title (de)

VERWENDUNG EINES DIESTERS ZUR VERBESSERUNG DER VERSCHLEISSSCHUTZEIGENSCHAFTEN EINER SCHMIERMITTELZUSAMMENSETZUNG

Title (fr)

UTILISATION D'UN DIESTER POUR AMELIORER LES PROPRIETES ANTI-USURE D'UNE COMPOSITION LUBRIFIANTE

Publication

EP 3877488 B1 20230607 (FR)

Application

EP 19795025 A 20191104

Priority

- FR 1860151 A 20181105
- EP 2019080044 W 20191104

Abstract (en)

[origin: WO2020094546A1] The present invention relates to the use of a diester of the following formula (I): Ra-C(O)-O-([C(R)2]n-O)s-C(O)-Rb(I), as an additive to improve the anti-wear properties of a lubricant composition comprising one or more anti-wear additive(s).

IPC 8 full level

C10M 129/74 (2006.01); **C10M 105/38** (2006.01); **C10M 141/10** (2006.01); **C10M 169/04** (2006.01); C10N 20/00 (2006.01); C10N 30/02 (2006.01); C10N 30/06 (2006.01); C10N 30/08 (2006.01); C10N 40/25 (2006.01)

CPC (source: EP KR US)

C10M 105/38 (2013.01 - EP KR); **C10M 129/74** (2013.01 - EP KR US); **C10M 141/10** (2013.01 - EP KR US); **C10M 169/04** (2013.01 - EP KR US); C10M 2203/003 (2013.01 - US); C10M 2203/1025 (2013.01 - EP KR); C10M 2205/0285 (2013.01 - US); C10M 2207/283 (2013.01 - EP KR US); C10M 2207/2835 (2013.01 - EP KR); C10M 2209/084 (2013.01 - EP KR US); C10M 2223/045 (2013.01 - EP KR US); C10N 2020/071 (2020.05 - EP KR); C10N 2030/02 (2013.01 - EP KR US); C10N 2030/06 (2013.01 - EP KR US); C10N 2030/08 (2013.01 - EP KR); C10N 2040/25 (2013.01 - EP KR 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

DOCDB simple family (publication)

FR 3088073 A1 20200508; **FR 3088073 B1 20210723**; CN 113166668 A 20210723; CN 113166668 B 20220927; EP 3877488 A1 20210915; EP 3877488 B1 20230607; ES 2953746 T3 20231115; JP 2022512880 A 20220207; KR 20210110799 A 20210909; US 11820958 B2 20231121; US 2021380898 A1 20211209; WO 2020094546 A1 20200514

DOCDB simple family (application)

FR 1860151 A 20181105; CN 201980080816 A 20191104; EP 19795025 A 20191104; EP 2019080044 W 20191104; ES 19795025 T 20191104; JP 2021523694 A 20191104; KR 20217017243 A 20191104; US 201917291118 A 20191104