

Title (en)

LUBRICATING COMPOSITIONS COMPRISING THERMOASSOCIATIVE AND EXCHANGEABLE COPOLYMERS

Title (de)

SCHMIERMITTELZUSAMMENSETZUNGEN MIT THERMOASSOZIATIVEN UND AUSTAUSCHBAREN COPOLYMEREN

Title (fr)

COMPOSITIONS LUBRIFIANTES COMPRENANT DES COPOLYMERES THERMOASSOCIATIFS ET ECHANGEABLES

Publication

EP 3099721 A1 20161207 (FR)

Application

EP 15700905 A 20150126

Priority

- FR 1450657 A 20140127
- EP 2015051518 W 20150126

Abstract (en)

[origin: WO2015110643A1] The invention relates to a composition resulting from the mixture of at least one lubricating oil, at least one statistical copolymer A1, and at least one compound A2 comprising at least two boronic ester functions; the statistical copolymer A1 resulting from the copolymerisation of at least a first monomer M1 having diol functions and at least a second monomer M2 having a different chemical structure from that of the M1 monomer. The invention also relates to the use of said composition for lubricating a mechanical part. The field of the present invention is that of lubricants.

IPC 8 full level

C08F 230/06 (2006.01); **C08F 220/20** (2006.01); **C08L 43/00** (2006.01); **C10M 145/14** (2006.01)

CPC (source: EP KR US)

C10M 145/14 (2013.01 - EP KR US); **C10M 2203/1006** (2013.01 - KR US); **C10M 2203/1025** (2013.01 - EP KR US);
C10M 2209/084 (2013.01 - EP KR US); **C10N 2020/02** (2013.01 - KR); **C10N 2020/04** (2013.01 - EP KR US);
C10N 2030/02 (2013.01 - EP KR US); **C10N 2030/06** (2013.01 - KR US); **C10N 2030/08** (2013.01 - KR US); **C10N 2030/10** (2013.01 - KR US);
C10N 2030/18 (2013.01 - KR US)

Citation (search report)

See references of WO 2015110643A1

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 2015110643 A1 20150730; BR 112016017393 A2 20180206; CA 2937928 A1 20150730; CN 106164114 A 20161123;
CN 106164114 B 20181012; EP 3099721 A1 20161207; EP 3099721 B1 20190306; ES 2722853 T3 20190819; FR 3016887 A1 20150731;
FR 3016887 B1 20160205; JP 2017508055 A 20170323; JP 6444430 B2 20181226; KR 102292997 B1 20210826; KR 20170027693 A 20170310;
MA 39196 A1 20171031; MA 39196 B1 20181130; TR 201905388 T4 20190521; UA 119160 C2 20190510; US 10336960 B2 20190702;
US 2017009176 A1 20170112

DOCDB simple family (application)

EP 2015051518 W 20150126; BR 112016017393 A 20150126; CA 2937928 A 20150126; CN 201580006170 A 20150126;
EP 15700905 A 20150126; ES 15700905 T 20150126; FR 1450657 A 20140127; JP 2016565568 A 20150126; KR 20167023655 A 20150126;
MA 39196 A 20150126; TR 201905388 T 20150126; UA A201609098 A 20150126; US 201515114157 A 20150126