

Title (en)

STAR COPOLYMER AND USE THEREOF AS A VISCOSITY IMPROVER

Title (de)

STERNFÖRMIGES COPOLYMER UND VERWENDUNG DAVON ALS VISKOSITÄTSVERBESSERER

Title (fr)

COPOLYMÈRE ÉTOILE ET SON UTILISATION COMME AMÉLIORANT DE VISCOSITÉ

Publication

EP 3277738 A1 20180207 (FR)

Application

EP 16711869 A 20160329

Priority

- FR 1552660 A 20150330
- EP 2016056812 W 20160329

Abstract (en)

[origin: WO2016156323A1] The present invention relates to a star copolymer (C) including at least 10 wt.% of units derived from styrene monomer and including arms that include a statistical copolymer (EP) including ethylene units and propylene units, and the method for preparing same. The invention also relates to the use thereof in lubricating compositions, in particular for improving the viscosity index, to the lubricating compositions thus obtained and to the uses thereof.

IPC 8 full level

C08F 257/02 (2006.01); **C08F 210/02** (2006.01); **C08F 210/04** (2006.01); **C08F 293/00** (2006.01); **C08F 297/02** (2006.01); **C10M 143/12** (2006.01); **C10M 169/04** (2006.01)

CPC (source: CN EP US)

C08F 210/02 (2013.01 - US); **C08F 210/06** (2013.01 - US); **C08F 257/02** (2013.01 - CN EP US); **C08F 293/005** (2013.01 - CN EP US); **C08F 297/02** (2013.01 - CN EP US); **C10M 143/04** (2013.01 - US); **C10M 143/10** (2013.01 - EP US); **C10M 143/12** (2013.01 - CN); **C10M 169/04** (2013.01 - CN US); **C08F 2800/20** (2013.01 - US); **C10M 2203/1006** (2013.01 - EP); **C10M 2205/022** (2013.01 - EP US); **C10M 2205/223** (2013.01 - EP); **C10N 2020/04** (2013.01 - EP); **C10N 2020/073** (2020.05 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2030/54** (2020.05 - EP US); **C10N 2040/04** (2013.01 - EP)

Citation (search report)

See references of WO 2016156323A1

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 2016156323 A1 20161006; CN 107428885 A 20171201; EP 3277738 A1 20180207; FR 3034421 A1 20161007; FR 3034421 B1 20170428; JP 2018514608 A 20180607; US 2018066096 A1 20180308

DOCDB simple family (application)

EP 2016056812 W 20160329; CN 201680020215 A 20160329; EP 16711869 A 20160329; FR 1552660 A 20150330; JP 2017550829 A 20160329; US 201615561532 A 20160329