

Title (en)

BLOCK COPOLYMERS AND THE USE THEREOF FOR IMPROVING THE COLD PROPERTIES OF FUELS OR COMBUSTIBLES

Title (de)

BLOCKCOPOLYMERE UND VERWENDUNG DAVON ZUR VERBESSERUNG DER KÄLTEEIGENSCHAFTEN VON KRAFTSTOFFEN ODER BRENNSTOFFEN

Title (fr)

COPOLYMERES A BLOCS ET LEUR UTILISATION POUR AMELIORER LES PROPRIETES A FROID DE CARBURANTS OU COMBUSTIBLES

Publication

EP 3256507 A1 20171220 (FR)

Application

EP 16703776 A 20160209

Priority

- EP 15305205 A 20150211
- EP 2016052687 W 20160209

Abstract (en)

[origin: WO2016128379A1] The invention relates to a block copolymer and the use thereof as a cold resistance additive of a fuel or combustible. The block copolymer comprises: (i) a block A consisting of a chain of structural motifs derived from at least one α,β -unsaturated alkyl methacrylate or acrylate monomer; and (ii) a block B consisting of a chain of structural motifs derived from at least one α,β -unsaturated monomer containing at least one aromatic ring. The invention also relates to an additive concentrate containing such a copolymer and to the use thereof as a TLF booster and, advantageously, as an anti-sedimentation additive.

IPC 8 full level

C08F 293/00 (2006.01); **C09K 23/52** (2022.01); **C10L 1/16** (2006.01); **C10L 1/197** (2006.01); **C10L 1/236** (2006.01); **C10L 10/14** (2006.01)

CPC (source: CN EP KR US)

C08F 293/005 (2013.01 - CN EP KR US); **C10L 1/1641** (2013.01 - US); **C10L 1/165** (2013.01 - CN EP US); **C10L 1/1963** (2013.01 - EP US); **C10L 1/1973** (2013.01 - CN KR); **C10L 1/2366** (2013.01 - CN KR); **C10L 10/14** (2013.01 - CN EP KR US); **C08F 2438/01** (2013.01 - CN EP KR US); **C10L 1/1973** (2013.01 - EP US); **C10L 1/2366** (2013.01 - EP US); **C10L 2200/0438** (2013.01 - EP US); **C10L 2200/0446** (2013.01 - EP US); **C10L 2230/08** (2013.01 - US); **C10L 2250/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2016128379A1

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)

EP 3056526 A1 20160817; BR 112017017187 A2 20180403; CA 2975564 A1 20160818; CN 107428893 A 20171201; EA 201791785 A1 20171229; EP 3256507 A1 20171220; KR 20170134343 A 20171206; MX 2017010234 A 20171128; US 2018030364 A1 20180201; WO 2016128379 A1 20160818; ZA 201705254 B 20190731

DOCDB simple family (application)

EP 15305205 A 20150211; BR 112017017187 A 20160209; CA 2975564 A 20160209; CN 201680016016 A 20160209; EA 201791785 A 20160209; EP 16703776 A 20160209; EP 2016052687 W 20160209; KR 20177024447 A 20160209; MX 2017010234 A 20160209; US 201615549623 A 20160209; ZA 201705254 A 20170803