

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

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Application

**EP 16703775 A 20160209**

Priority

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Abstract (en)

[origin: WO2016128377A1] 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  $\alpha,\beta$ -unsaturated alkyl methacrylate or acrylate monomer; and (ii) a block B consisting of a chain of structural motifs derived from at least one  $\alpha,\beta$ -unsaturated monomer selected from styrene derivatives, the aromatic ring of which is substituted by at least one group R selected from the groups: C1 to C24 alkyl esters, and preferably acyclic linear or branched C1 to C12 hydrocarbonated chains, said chain being substituted by at least one group containing a quaternary ammonium salt. The invention also relates to an additive concentrate containing such a copolymer and to the use thereof as an anti-sedimentation additive, and advantageously, as a TLF booster additive.

IPC 8 full level

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Citation (search report)

See references of WO 2016128377A1

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