

Title (en)
MULTIFUNCTIONAL COOLING ADDITIVES FOR MIDDLE DISTILLATES, HAVING AN IMPROVED FLOW CAPABILITY

Title (de)
MULTIFUNKTIONELLE KÄLTEADDITIVE FÜR MITTELDESTILLATE MIT VERBESSERTER FLIESSFÄHIGKEIT

Title (fr)
ADDITIFS DE REFROIDISSEMENT AYANT UNE MEILLEURE APTITUDE À L'ÉCOULEMENT

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Application
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Abstract (en)
[origin: WO2011076337A2] The present invention relates to cooling additives for middle distillates, containing A) at least one polyester of formula (A1) wherein one of the radicals R1 to R4 represents a linear C16-C40 alkyl or alkenyl radical and the remainder of the radicals R1 to R4 represent, independently of one another, hydrogen or an alkyl radical having 1 to 3 C atoms, R5 is a C-C bond or an alkylene radical having 1 to 6 C atoms, R16 is a hydrocarbon group having 2 to 10 carbon atoms, n is an integer from 1 to 100, m is an integer from 3 to 250, p is 0 or 1, and q is 0 or 1, B) at least one copolymer of ethylene and of at least one ethylenically unsaturated ester, the copolymer having a melt viscosity, measured at 140 °C, of at most 5000 mPas, and C) at least one organic solvent.

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