

Title (en)
Viscosity index improver, with a dispersant activity.

Title (de)
Dispergierwirksame Viskositäts-Index-Verbesserer.

Title (fr)
Produit améliorant l'indice de viscosité, à action dispersante.

Publication
EP 0418610 B1 19940119 (DE)

Application
EP 90116624 A 19900830

Priority
DE 3930142 A 19890909

Abstract (en)
[origin: EP0418610A1] The invention relates to polyalkyl (meth)acrylates suitable for improving the viscosity index for use as oil additives having an improved dispersing and detergent action in diesel engines and spark-ignition engines, the polyalkyl (meth)acrylates being copolymers of 80 - 99.5 parts by weight of alkyl (meth)acrylates of the formula <IMAGE> in which R is hydrogen or methyl and R1 is an alkyl radical having 6 to 24 carbon atoms, preferably 8 to 20 carbon atoms, together with 0.5 - 20 parts by weight of at least one functionalised alkyl methacrylate of the formula II <IMAGE> in which R' is hydrogen or methyl and R2 is an alkyl radical having 2 to 6 carbon atoms and substituted by at least one OH group or is a poly-alkoxylated radical <IMAGE> in which R3 and R4 are hydrogen or methyl, R5 is an alkyl radical having 1 to 40 carbon atoms and n is an integer from 1 to 60, the total of the monomers of the formulae (I) and (II) being 100 parts by weight, and, if appropriate, 0 - 20 parts by weight of one or more monomers of the formula III <IMAGE> in which R" is hydrogen or methyl and R6 is an alkyl radical having 1 to 5 carbon atoms

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