

Title (en)
DISPERSANT/VISCOSITY IMPROVERS FOR LUBRICATING OIL AND FUELS

Title (de)
DISPERGIERMITTEL/VISKOSITÄTSINDEXVERBESSERUNGSMITTEL FÜR SCHMIERÖLE UND BRENNSTOFFE

Title (fr)
AGENTS AMELIORANTS DE DISPERSION ET DE VISCOSITE DESTINES A DES HUILES LUBRIFIANTES ET A DES CARBURANTS

Publication
EP 1294777 B1 20090506 (EN)

Application
EP 01963715 A 20010621

Priority
• US 0119880 W 20010621
• US 21328100 P 20000622

Abstract (en)
[origin: WO0198440A2] Hydrocarbyl substituted carboxylic compositions and derivatives thereof useful as dispersant/viscosity improvers for lubricating oil and fuel compositions. Carboxylic compositions are derived from (A) a hydrocarbon polymer having Mn ranging from about 20,000 to about 500,000, and (B) an alpha , beta -unsaturated carboxylic compound prepared by reacting (1) an active methylene compound of the formula (I), and (2) a carbonyl compound of the general formula (II), wherein R<a> is H or hydrocarbyl and R is a member of the group consisting of H, hydrocarbyl and (III), wherein each R' is independently R or OR and each R is, independently, H or a hydrocarbyl group; and lower alkyl acetals, ketals, hemiacetals and hemiketals of the carbonyl compound (2). Carboxylic derivative compositions are obtained by reacting the carboxylic compositions with a reactant selected from the group consisting of (a) amines characterized by the presence within their structure of at least one condensable H-N< group, (b) alcohols, (c) reactive metal or reactive metal compounds, and (d) a combination of two or more of any of (a) through (c), the components of (d) being reacted with the carboxylic composition simultaneously or sequentially, in any order.

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