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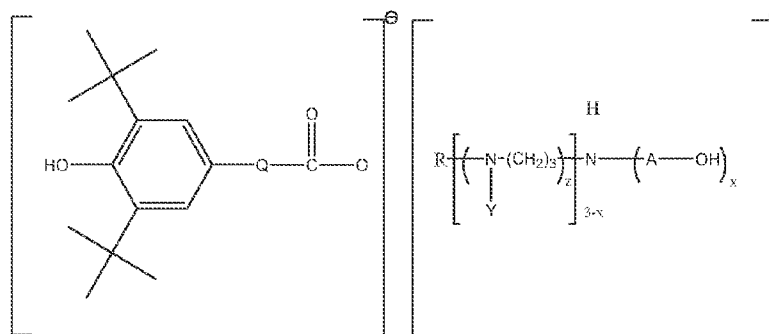
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(54) Title: LUBRICATING COMPOSITION CONTAINING MULTIFUNCTIONAL HYDROXYLATED AMINE SALT OF A HINDERED PHENOLIC ACID



(57) Abstract: Multi-functional additives which impart improved antioxidancy to lubricating oil compositions and frictional properties resulting in improved fuel economy in an internal combustion engine are disclosed. More particularly disclosed are lubricating oil compositions for internal combustion engines comprising a) a major amount of an oil of lubricating viscosity; and b) a minor amount of an oil soluble hydroxylated amine salt of a hindered phenolic acid, said salt having the general formula I: [Formula should be inserted here] wherein A and Q are each independently C₂-C₆ alkylene group; R is methyl, alkyl or alkenyl group having C₂-C₂₄ carbon atoms; Y is hydrogen, C₁-C₆ alkyl group or A-OH; x is an integer of 1 or 2; and z is an integer of 0 or 1.

