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(54) Title: CYCLIC PHOSPHONATE ESTERS FOR LUBRICANT APPLICATIONS

(57) Abstract: Lubricant compositions comprising (a) an oil of lubricating viscosity and (b) a phosphonate ester other than a zinc salt. The phosphonate ester may be the reaction product of (i) phosphonic acid or a monomeric ester thereof with (ii) a propanediol having hydroxy groups in both the 1 and 3 positions and one or more of the carbon atoms of the propyl units are substituted with one or more alkyl groups such that the total number of carbon atoms in the propanediol ranges from 4 to 12. The molar ratio of (i) to (ii) may be 0.9:1.1 to 1.1 to 0.9.

