

NANOPARTICLE ADDITIVES AND LUBRICANT FORMULATIONS CONTAINING THE NANOPARTICLE ADDITIVES

Abstract of the Disclosure

[0097] A method for reducing a friction coefficient adjacent a lubricated surface, and a lubricant composition for reducing a friction coefficient between lubricated surfaces. The method includes providing an amount of metal-containing dispersed in a fully formulated lubricant composition containing a base oil of lubricating viscosity, wherein the nanoparticles have an average particles size ranging from about 1 to about 10 nanometers. The lubricant composition containing the metal-containing nanoparticles is applied to a surface to be lubricated.

FIG.1