

**HIGHLY BORATED DISPERSANT CONCENTRATES FOR LUBRICATING
OIL COMPOSITIONS AND METHODS FOR FORMING SAME**

ABSTRACT

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A process for producing a borated polyalkenyl succinimide dispersant composition in which the boron is incorporated primarily as cyclic metaboric acid moieties and the equivalents of boron incorporated per equivalent of nitrogen in the succinimide carrier is greater than 2; in which process a slurry of orthoboric acid is added to a polyalkenyl succinimide to form a reaction mixture, which reaction mixture is then heated under conditions (at a temperature and pressure and for a time) sufficient to remove from the reaction mixture from about 0.8 to about 1.2 moles of water of reaction per mole of boric acid charged.

15 No Figure