

ABSTRACT**ANTILOADING COMPOSITIONS AND METHODS OF SELECTING SAME**

An antiloading composition includes a first organic compound. The compound has a water contact angle criterion that is less than a water contact angle for zinc stearate. The first compound also satisfies at least one condition selected from the group consisting of a melting point T_{melt} greater than about 40 °C, a coefficient of friction F less than about 0.3, and an antiloading criterion P greater than about 0.3. Another embodiment includes a second organic compound, having a different water contact angle from that of the first organic compound. The composition has a particular water contact angle W_p° that is determined, at least in part, by the independent W_g° of each compound and the proportion of each compound in the composition. Also, an abrasive product includes the antiloading composition. A method of grinding a substrate is disclosed that includes employing effective amount of an antiloading composition. Further disclosed is a method of selecting an antiloading compound.

Fig. 1