

ABSTRACT**LOW SEDIMENT PROCESS FOR THERMALLY REACTING****HIGHLY REACTIVE POLYMERS AND ENOPHILES**

- 5 A process for forming an ene reaction product wherein an enophile, such as maleic anhydride, is reacted with reactive polyalkene having a terminal vinylidene content of at least 30 mol. %, at high temperature in the presence of a free radical inhibitor. The polyalkenyl acylating agents are useful *per se* as additives in lubricating oils, functional fluids, and fuels and also serve as intermediates in the preparation of other products (e.g., succinimides) useful as additives in
- 10 lubricating oils, functional fluids, and fuels. The presence of the free radical inhibitor during the high temperature reaction results in a reaction product that is low, or substantially free from sediment.