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(54) Title: MITIGATION OF POLY(HYDROXYALKANOATE) DEGRADATION IN POLYMERIC COMPOSITIONS

(57) Abstract: The present disclosure provides methods for mitigating polymer degradation in poly(hydroxyalkanoates), which include carboxylic acid end groups and monomeric repeat units which are susceptible to degradation to form unsaturated carboxylic acid by-products. The carboxylic acid end groups are reacted with an end-capping agent selected from the group consisting of carbodiimides, diisocyanates, epoxides, and mixtures thereof, and the poly(hydroxyalkanoates) are also reacted with an acid anhydride to graft side chains onto the poly(hydroxyalkanoates).



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