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(54) Title: CARBONYL-ENE FUNCTIONALIZED POLYOLEFINS

(57) Abstract: Disclosed is a method for preparing a hydroxyl functionalized polymer from a Lewis acid promoted carbonyl-ene reaction comprising: selecting a vinylidene terminated polyolefin having a number average molecular weight from about 950 to about 5000 and having a terminal vinylidene content greater than 50 mole percent; selecting a carbonyl enophile; selecting a Lewis acid; and contacting the components in step a), b) and c) under reactive conditions to form the hydroxyl functionalized polymer.



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