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(54) **METHOD FOR PRODUCING A POLYMER BY COORDINATION POLYMERIZATION**

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(58) **Field of Search** ..... 526/75, 239, 240, 526/241, 274, 277, 286, 288, 303.1, 308, 310, 311, 317.1, 318.6, 348.8, 160, 161

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(57) **ABSTRACT**

A method for producing a polymer by coordination polymerization, comprising the steps of (a) reacting an unsaturated polar monomer having a functional group releasing a proton or a salt of the unsaturated polar monomer, with a masking agent comprising a halogenated organometallic compound or a organoaluminum compound capable of masking the functional group to form a corresponding masked monomer; and (b) polymerizing the masked monomer either alone or in combination with another monomer in the presence of the coordination polymerization catalyst to obtain the polymer.

**24 Claims, 12 Drawing Sheets**