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(54) Title: CATALYSTS COMPRISING SPECIFIC METALLOCENES AND PROCESS FOR PRODUCING AN OLEFIN POLYMER BY USE OF THE CATALYSTS

(57) Abstract: A process for olefin polymerization includes contacting one or more olefin with a catalyst system under polymerization reaction conditions wherein the catalyst system includes a metallocene, and at least one of an aluminoxane, a Lewis acid or an ionic compound capable of converting the metallocene into a cationic compound. The process is particularly advantageous for the polymerization of ethylene and/or propylene.