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(54) Title: CATALYSTS FOR PRODUCING BROAD MOLECULAR WEIGHT DISTRIBUTION POLYOLEFINS IN THE ABSENCE OF ADDED HYDROGEN

(57) Abstract: The present invention provides a polymerization process utilizing a dual metallocene catalyst system for the production of broad or bimodal molecular weight distribution polymers, generally, in the absence of added hydrogen. Polymers produced from the polymerization process are also provided, and these polymers can have a Mn in a range from about 9,000 to about 30,000 g/mol, and a short chain branch content that decreases as molecular weight increases.



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