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(54) Title: POLYMERIZATION CATALYSTS FOR PRODUCING POLYMERS WITH LOW LEVELS OF LONG CHAIN
BRANCHING

(57) Abstract: This invention relates to catalyst compositions, methods, and polymers encompassing at least one Group 4 metal-
locene compound comprising bridging η^5 -cyclopentadienyl-type ligands, typically in combination with at least one cocatalyst, and
at least one activator. The compositions and methods disclosed herein provide ethylene polymers with low levels of long chain
branching.



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