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(57) Abstract: The present techniques relate to catalyst compositions, methods, and polymers encompassing a Group 4 metallocene compound comprising bridged 5-cyclopentadienyl-type ligands, typically in combination with a cocatalyst, and an activator. The bridged 5-cyclopentadienyl-type ligands are connected by a cyclic substituent. The catalysts of the present techniques may be more effective at the incorporation of comonomers into the backbone of a polyolefin polymer.



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