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(54) Title: METALLOCENES WITH A BRIDGED 4-PHENYL-INDENYL-LIGAND FOR OLEFIN POLYMERIZATION

(57) Abstract: This invention relates to metallocene compositions and their use in the preparation of catalyst systems for olefin polymerization, particularly propylene polymerization. In one embodiment, the metallocenes of the present invention may be represented by the formula: wherein M is a metal of Group 4, 5, or 6 of the Periodic Table preferably, zirconium, hafnium and titanium, most preferably zirconium; R⁷ is wherein R¹⁷ to R²⁴ are as defined for R¹ and R², or two or more adjacent radicals R¹⁷ to R²⁴, including R²⁰ and R²¹, together with the atoms connecting them form one or more rings; M² is carbon, silicon, germanium or tin.