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(54) Title: SUBSTITUTED PYRIDINE-2,6-BIS(PHENYLENEPHENOLATE) COMPLEXES WITH ENHANCED SOLUBILITY THAT ARE USEFUL AS CATALYST COMPONENTS FOR OLEFIN POLYMERIZATION

(57) Abstract: Exemplary embodiments of the present technological advancement include pyridine -2,6-bis(phenylenephenolate) complexes that are useful as catalyst components for olefin polymerization and have improved solubility in non-aromatic hydrocarbons (e.g., isohexane). The improved solubility of these complexes was accomplished by the modification of the ligand framework at a specific position that led to improved solubility, but did not adversely affect the performance of the complex when used as a catalyst for olefin polymerizations.

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