-YNR2, or -NR2, wherein Y is an alkylene group containing 1 to 24 carbon atoms, wherein each R is individually selected from alkyl groups containing 1 to 20 carbon atoms. Another aspect of the invention is to provide a metallocene represented by the formula ZAMX3, wherein Z and A are as described above, M is a Group IVB or VB transition metal, and X is a halide. Other aspects of the present invention include catalyst systems comprising the metallocenes and an organoaluminoxane, processes for preparing the above defined ligands, metallocenes and catalyst systems, and polymerization processes employing the catalyst systems.

5565397

OLEFIN POLYMERIZATION CATALYST COMPRISING A METALLOCENE AND AN ANHYDROUS LITHIUM HALIDE-TREATED ALKYLALUMINOXANE

Sangokoya Samuel Baton Rouge, LA, UNITED STATES assigned to Albemarle Corporation

Alkylaluminoxanes having improved catalytic activity such as when they are used in combination with metallocenes for the polymerization of alpha-olefins, are prepared by treating an organic solvent solution of an alkylaluminoxane, such as methylaluminoxane, with anhydrous lithium halide.

5565527

POLYMERIC, CATALYTICALLY ACTIVE COMPOUNDS, THEIR PREPARATION, AND THEIR USE AS CATALYSTS IN THE PREPARATION OF POLYISOCYANATES CONTAINING URETDIONE GROUPS

Bruchmann Bernd; Minges Roland; Schade Christia; Stiefenhoefer Konrad Ludwigshafen, GERMANY assigned to BASF Aktiengesellschaft

Polymeric, catalytically active compounds comprising polymer chains to which imidazole groups are linked terminally or laterally are used as catalysts for the dimerization of isocyanates.

5565547

CATALYST FOR THE PREPARATION OF LINEAR CARBON MONOXIDE/ALPHA-OLEFIN COPOLYMERS

Hefner John G; Kolthammer Brian W S Lake Jackson, TX, UNITED STATES assigned to The Dow Chemical Company

Novel catalyst compositions comprising a cationic transition metal complex of the formula (*See Patent for Tabular Presentation*) PS wherein: Pd(II) is palladium having a valence of +2; S is a synthesis solvent; L is a monodendate, bidendate or tridendate ligand or ligands having one or more bonding sites; x is an integer from 1 to 3 and is equal to the total number of ligand bonding sites; A is a weakly or non-coordinating anion capable or stabilizing the complex in its cationic form; and n is 1 or 2 and y is 2 or 1; provided that (i) when n is 1, y is 2 and when n is 2, y is 1; and (ii) when the anion A is tetrafluoroborate, the organometallic complex is not (tris(acetonitrile) palladium(II)