

triphenylphosphine), bis(acetonitrile) palladium(II) bis(triphenylphosphine)), ((acetonitrile) palladium (II) tris(triphenylphosphine)) or (bis(acetonitrile)palladium(II) 1,3-bis (diphenylphosphino)propane). The new catalyst compositions are useful for the copolymerization of carbon monoxide and at least one ethylenically unsaturated hydrocarbon to produce linear alternating polymers. The rate of polymerization is enhanced by including an alcohol, such as methanol, in the polymerization mixture.

5583188

PROCESS FOR PRODUCING AN OLEFIN POLYMER OR COPOLYMER AND CATALYST COMPOSITION THEREFOR

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As improved process for producing an olefin polymer or copolymer by using a novel catalyst composition composed of (A) a titanium catalyst component containing magnesium, titanium, halogen and an ester specified in claim 1, as an electron donor, (B) an organoaluminum compound and (C) a heterocyclic compound or a ketone specified in claim 1, as a third component. The combination parameter of the ester in (A) and the (C) component is new, and the process can give a highly stereospecific olefin polymer or copolymer in high yields.

5583194

SELECTIVE CATALYSTS FOR THE SYNTHESIS OF EPOXYSILICONE MONOMERS AND POLYMERS

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The invention provides a method for making a curable epoxysilicone composition through the hydrosilation reaction between an ethylenically unsaturated epoxide and an SiH-containing silicone to produce an epoxysilicone product, and catalyzed by a quaternary ammonium, phosphonium or arsonium hexahaloplatinate which does not promote the oxirane ring-opening reaction of either the ethylenically unsaturated epoxide starting material or the epoxysilicone product. The invention also provides for a curable epoxysilicone composition made by the above method.

5585317

COMPONENTS AND CATALYSTS FOR THE POLYMERIZATION OF OLEFINS

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The present invention relates to spherical solid components of catalysts for the polymerization of olefins comprising, supported on a magnesium dihalide in active form, a titanium compound containing at least one Ti-halogen bond and one OR group, said OR group being bonded to Ti in an amount such that the OR/Ti molar ratio is greater than or equal to 0.5; optionally the component also comprises an electron donor compound. The spherical solid components of the invention are characterized by having a porosity comprised between 0.35 and 0.7 cm³/g and by a pore size