METALLOCENE CATALYSTS, THEIR SYNTHESIS AND THEIR USE FOR THE POLYMERIZATION OF OLEFINS

ABSTRACT

A process for the preparation of a catalyst system includes the steps of combining a support material with a first composition which includes at least one aluminoxane in a first solvent to provide an aluminoxane loaded support; and, contacting the aluminoxane loaded support with a second composition which includes at least one metallocene compound, a second solvent, and a cocatalyst, wherein the cocatalyst includes a second portion of the at least one aluminoxane alone or in combination with an ionic compound and/or a Lewis acid.