



Abstract of The Disclosure

5 The present invention is directed to a coordinating catalyst system
comprising at least one metallocene or constrained geometry pre-catalyst
transition metal compound, (e.g., di-(n-butylcyclopentadienyl) zirconium
dichloride), at least one support-activator (e.g., spray dried silica/clay
agglomerate), and optionally at least one organometallic compound (e.g.,
triisobutyl aluminum), in controlled amounts, and methods for preparing the
same. The resulting catalyst system exhibits enhanced activity for
10 polymerizing olefins and yields polymer having very good morphology.