Nickel (0) Catalyzed Kumada Chain Transfer Polycondensation

Abstract

The present invention relates to a process for preparation of stable Ni(0) catalyst and to a Kumuda Chain transfer polymerization process for preparation of regioregular conjugated polymer using the Ni(0) catalyst. The polymerization results in production of highly regoregular polymers wherein the regioregularity of the conjugated polymers can be controlled from 10% upto 100%.

Patent application No. 1704/MUM/2014