

Title: Catalytic preform system comprising a rare earth metallocene

ABSTRACT

The present invention relates to a catalytic system based at least on a preformation conjugated diene monomer, on an organometallic compound as cocatalyst and on a metallocene of formula $\{P(Cp^1)(Cp^2)Y\}$, Y denoting a group comprising a metal atom which is a rare earth metal, Cp^1 and Cp^2 , which are identical or different, being selected from the group consisting of fluorenyl groups, cyclopentadienyl groups and indenyl groups, the groups being substituted or unsubstituted, and P being a group bridging the two Cp^1 and Cp^2 groups and comprising a silicon or carbon atom. Such a catalytic system exhibits an improved stability of the catalytic activity over time, in particular on storage.