

PROCESS FOR PRODUCING PROPYLENE COPOLYMERS

Abstract

In a process for producing a propylene copolymer, propylene and at least one olefin monomer selected from ethylene and alpha olefins having 4 to 20 carbon atoms are contacted with a catalyst system comprising (a) a catalyst precursor comprising an organometallic compound and (b) an activator comprising a fluoroarylborate anion represented by the formula: $\text{Ct}^+ [\text{B}-(\text{Ar}_x\text{R}_n)]^-$ where Ct^+ is a cation capable of extracting an alkyl group from, or breaking a carbon-metal bond of, the organometallic compound; Ar is a fluorophenyl group; R is a fluoronaphthyl group and each of x and n is 1, 2, or 3, with the proviso that the sum of $x+n=4$.

Figure 1