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(54) Title: ALKENE FUNCTIONALIZED ACTIVATORS

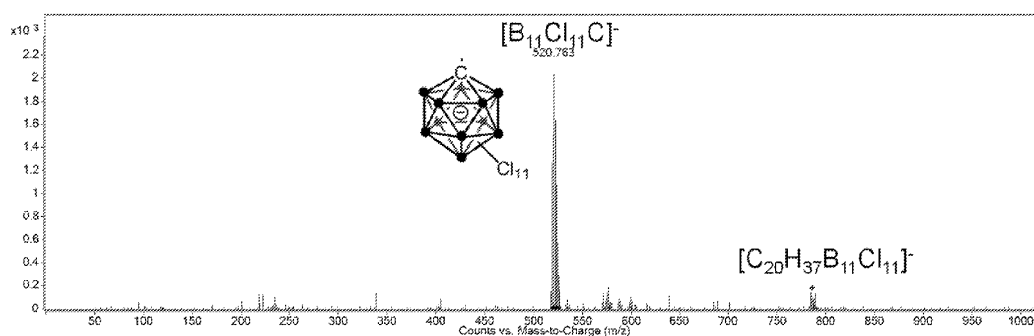


FIG. 4

(57) **Abstract:** Processes of polymerizing polyolefins and synthesis of activators. The polymerization processes include polymerizing one or more (C₂-C₁₂)α-olefin monomers in the presence of at least one catalyst and at least one co-catalyst to produce a polyolefin. The co-catalyst includes a cation and an anion, in which the anion has a structure having a vinyl terminated alkene, one boron atom or more than one boron atoms, and at least four halogen atoms. The anion of the co-catalysts is incorporated into a polymer chain of the polyolefin.

[Continued on next page]

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Declarations under Rule 4.17:

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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