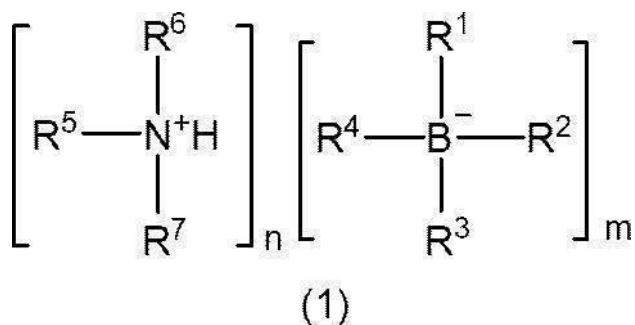


[ABSTRACT]

The present invention aims to provide a compound useful as a co-catalyst used for the polymerization reactions of olefin, diene, and acetylene. According to the present
5 invention, a fluorine-containing alkylammonium borate compound represented by the following formula (1):



10 wherein each symbol is as defined in the specification, which is highly active and useful as a co-catalyst used for the polymerization reactions of olefin, diene, and acetylene, compositions containing same, and production methods thereof can be provided.

15

[No figure]