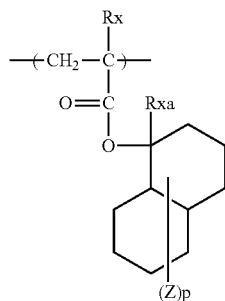
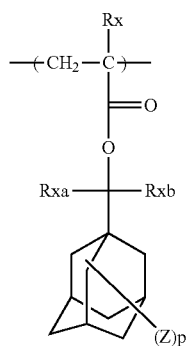
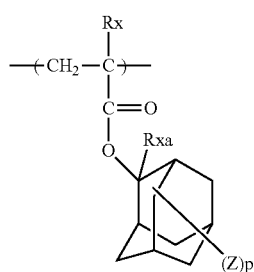


1 to 4 carbon atoms), a halogen atom, a hydroxyl group, an alkoxy group (having 1 to 4 carbon atoms), a carboxy group, and an alkoxycarbonyl group (having 2 to 6 carbon atoms), and a group having 8 or less carbon atoms is preferable.

[0207] The content of the sum of the repeating units having acid-decomposable groups is preferably 20 to 90 mol %, more preferably 25 to 85 mol %, and even more preferably 30 to 80 mol % with respect to the all repeating units in the resin (A).

[0208] Specific examples of the repeating unit having an acid-decomposable group are provided below, but the present invention is not limited thereto.

[0209] In the specific examples, Rx and Xa₁ each independently represent a hydrogen atom, CH₃, CF₃, or CH₂OH. Rxa and Rxb each represent an alkyl group having 1 to 4 carbon atoms. Z represents a substituent including a polar group, and in a case where there are a plurality of Z's, Z's each independently represent a substituent including a polar group. p represents 0 or a positive integer. Examples of the substituent including a polar group represented by Z include a linear or branched alkyl group having a hydroxyl group, a cyano group, an amino group, an alkylamido group, or a sulfonamido group, or a cycloalkyl group, and the substituent is preferably an alkyl group having a hydroxyl group. The branched alkyl group is more preferably an isopropyl group.



-continued

