[0877] As the repeating unit having a group capable of decomposing by the action of an acid (z) in hydrophobic resin (HR), the same repeating units with the repeating units having an acid-decomposable group described in the above acid-decomposable resin can be exemplified.

[0878] The content of the repeating unit having a group capable of decomposing by the action of an acid (z) in hydrophobic resin (HR) is preferably 1 mol % to 80 mol % based on all the repeating units in the hydrophobic resin, and more preferably 10 mol % to 80 mol %, and still more preferably 20 mol % to 60 mol %.

[0879] Hydrophobic resin (HR) may further have a repeating unit represented by the following formula (VI).

$$\begin{array}{c} R_{c31} \\ \longleftarrow C \\ -C \\ \downarrow \\ L_{c3} \\ \downarrow \\ R_{C32} \end{array}$$