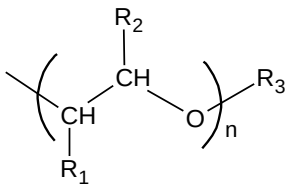
What is claimed is:

1. A modified vinyl alcohol-based polymer, comprising a polyoxyalkylene unit, and an organic acid unit bonded to a polyvinyl alcohol chain, the polyoxyalkylene unit comprising a moiety represented by a general formula (I), the moiety being bonded to the polyvinyl alcohol chain only via an ether bond and/or a carbon-carbon bond,

wherein a ratio of a number of moles of monomer units constituting the polyvinyl alcohol chain of the modified vinyl alcohol-based polymer and bonded to the polyoxyalkylene unit to a total number of moles of the monomer units constituting the polyvinyl alcohol chain of the modified vinyl alcohol-based polymer is 0.01 mol% to 5 mol%, and a ratio of a number of moles of the organic acid unit to the total number of moles of the monomer units constituting the polyvinyl alcohol chain of the modified vinyl alcohol-based polymer is 0.1 mol% to 10 mol%, and

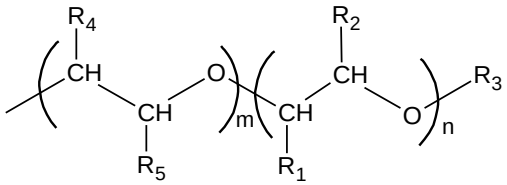
wherein a saponification degree is more than 70 mol%.



(I)

(In the formula, both R_1 and R_2 are hydrogen atoms, and R_3 is an alkyl group or a hydrogen atom. n represents a number of repeating units and is an integer of $5 \leq n \leq 70$.)

2. The modified vinyl alcohol-based polymer according to claim 1, wherein at least a part of the polyoxyalkylene unit has a moiety represented by the general formula (II).



(II)

(In the formula, R_1, R_2, and R_3 are as described in claim 1. One of R_4 and R_5 is a methyl group or an ethyl group, and the other is a hydrogen atom. m represents a number of repeating units, and $1 \leq m \leq 30$, provided that the moiety with the number of repeating units of n and the moiety with the number of repeating units of m are different.)

3. The modified vinyl alcohol-based polymer according to claim 1 or 2, wherein the organic acid unit comprises a carboxylic acid ester.

4. The modified vinyl alcohol-based polymer according to any one of claims 1 to 3, wherein a viscosity average degree of polymerization is 500 to 4000.

5. A dispersion stabilizer for suspension polymerization, comprising the modified vinyl alcohol-based polymer according to any one of claims 1 to 4.

6. A method for manufacturing a vinyl-based resin, comprising conducting suspension polymerization by dispersing a vinyl-based compound monomer or a mixture of the vinyl-based compound monomer and a monomer copolymerizable therewith in water using the dispersion stabilizer for suspension polymerization according to claim 5.

7. A method for manufacturing the modified vinyl alcohol-based polymer according to any one of claims 1 to 4, comprising a step of copolymerizing a vinyl ester-based monomer with an unsaturated monomer having the polyoxyalkylene unit in coexistence with an unsaturated organic acid to obtain a modified vinyl ester polymer.