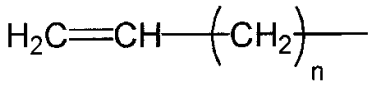
CLAIMS

1. A vinyl alcohol polymer comprising:

in the same molecule or in different molecules, a carbonyl group, a formyl group, and an alkenyl group; and

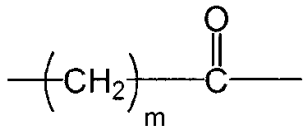
at an end of a polymer chain, a group represented by the following formula (5) comprising the alkenyl group:



(5)

wherein, in the formula (5), n is an integer of 1 to 11.

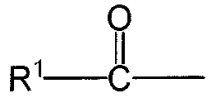
2. The vinyl alcohol polymer according to claim 1, comprising a structure represented by the following formula (1) comprising the carbonyl group:



(1)

wherein, in the formula (1), m is an integer of 1 to 11.

3. A vinyl alcohol polymer comprising, at an end of a polymer chain, a group represented by the following formula (2):



(2)

wherein, in the formula (2), R^1 represents an alkenyl group comprising a methylene group at an end of the carbonyl group side.

4 The vinyl alcohol polymer according to any one of claims 1 to 3, comprising a tertiary carbon atom.

5. The vinyl alcohol polymer according to any one of claims 1 to 4, comprising a structural unit derived from an unsaturated aliphatic aldehyde.

6. The vinyl alcohol polymer according to claim 5, wherein the unsaturated aliphatic aldehyde has 3 to 14 carbon atoms.

7. The vinyl alcohol polymer according to claim 5 or 6, wherein the unsaturated aliphatic aldehyde comprises, at an end thereof, a carbon-carbon double bond.

8. A method for producing the vinyl alcohol polymer according to any one of claims 1 to 7, the method comprising:

a step of polymerizing a vinyl ester in the presence of an unsaturated aliphatic aldehyde; and

a step of saponifying a vinyl ester polymer obtained.

9. A dispersant for suspension polymerization, the dispersant comprising the vinyl alcohol polymer according to any one of claims 1 to 7.

10. A dispersion aid for suspension polymerization, the dispersion aid comprising the vinyl alcohol polymer according to any one of claims 1 to 7.

11. A method for producing a vinyl polymer, the method comprising a step of polymerizing a vinyl compound in the presence of the vinyl alcohol polymer according to any one of claims 1 to 7.