

ABSTRACT

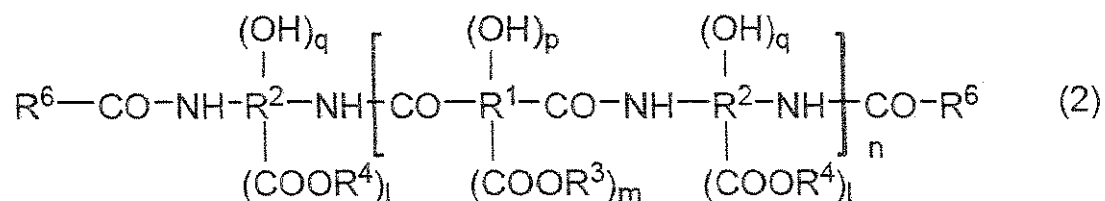
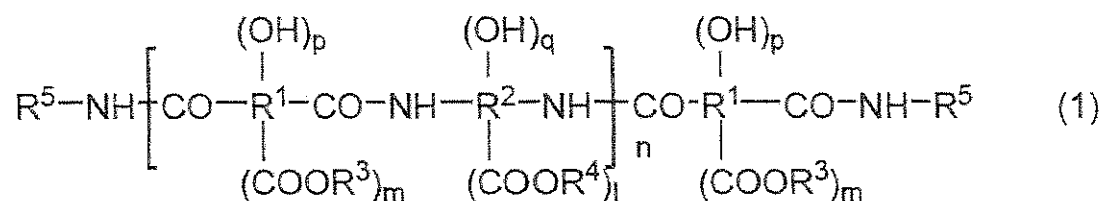
[Problem] To provide a positive-type photosensitive resin composition that is produced with novolac resin and has good mechanical properties and high storage stability.

[Means for Solving the Problem] A positive-type photosensitive resin composition, comprising:

(a) a novolac resin;

(b) a polymer comprising, as a main component, a structure represented by formula (1) below and/or a structure represented by formula (2) below:

[Formula 1]



(wherein formulae (1) and (2), R^1 and R^2 may be the same or different and each represent an organic group having at least two carbon atoms and a valence of 2 to 8, R^3 and R^4 may be the same or different and each represent hydrogen or a monovalent organic group of 1 to 20 carbon atoms, $-NH-R^5$

in formula (1) and $-\text{CO}-\text{R}^6$ in formula (2) each represent a polymer end group, R^5 and R^6 each represent a monovalent organic group having 2 to 30 carbon atoms which includes an unsaturated hydrocarbon group, n is in the range of 10 to 100,000, l and m each represent an integer of 0 to 2, and p and q each represent an integer of 0 to 4, provided that $p + q > 0$;

- (c) a quinone diazide compound;
- (d) an alkoxymethyl group-containing compound; and
- (e) a solvent.