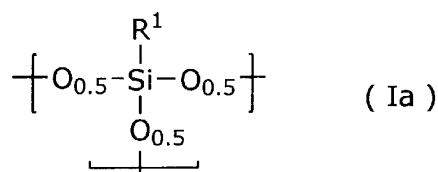


CLAIMS

[1] A positive type photosensitive siloxane composition, comprising:

(I) a polysiloxane comprising a repeating unit represented by the following formula (Ia):



in which

R¹ is hydrogen, a mono- to trivalent saturated or unsaturated straight, branched or cyclic aliphatic hydrocarbon group of C₁ to 30, or a mono- to trivalent aromatic hydrocarbon group of C₆ to 30;

provided that,

in said aliphatic or aromatic hydrocarbon group, one or more methylene is substituted with oxy, imido or carbonyl, or unsubstituted

one or more hydrogen is substituted with fluorine, hydroxy or alkoxy, or unsubstituted, and

one or more carbon is substituted with a silicon, or unsubstituted; and further

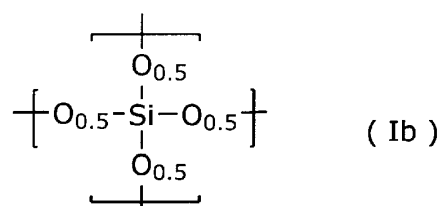
provided that, if R¹ is a di- or trivalent group, R¹ links Si atoms contained in the plural repeating units;

(II) a diazonaphthoquinone derivative,

(III) an additive selected from the group consisting of compounds having quaternary ammonium structures, and

(IV) a solvent.

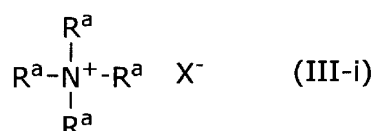
[2] The composition according to claim 1, wherein said polysiloxane further comprises a repeating unit represented by the following formula (Ib):



[3] The composition according to claim 1 or 2, wherein said polysiloxane forms, after prebaking, a film having a dissolution rate of 200 to 5000 Å/second in a 2.38 wt% aqueous solution of tetramethylammonium hydroxide.

[4] The composition according to any of claims 1 to 3, wherein said additive (III) contains nitrogen cations in an amount of 0.0005 to 0.05 weight part based of 100 weight parts of said polysiloxane.

[5] The composition according to any of claims 1 to 4, wherein said additive (III) is represented by the following formula (III-i):



in which

each R^a is independently a straight, branched or cyclic alkyl group of C_1 to 20, an aryl group of C_6 to 20, or an arylalkyl group of C_7 to 20 provided that at least one of the four R^a s is an alkyl group of C_1 to 3; and

X^- is a halogen ion, a carboxylate ion, a nitrate ion, a sulfonate ion, or a hydrogen sulfate ion.

[6] A cured film formed from the positive type photosensitive siloxane composition according to any of claims 1 to 5.

[7] The cured film according to claim 6, having a light transmittance of 90% or more at a wavelength of 400 nm.

[8] An electronic device comprising the cured film according to claim 6 or 7.