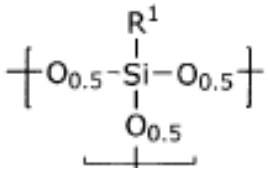
CLAIMS

[1] ~~A positive type photosensitive siloxane composition, comprising:~~ An electronic device comprising a cured film formed from a positive type photosensitive siloxane composition comprising:

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



( Ia )

in which

$R^1$ is hydrogen, a mono- to trivalent saturated or unsaturated straight, branched or cyclic aliphatic hydrocarbon group of $C_{1\ to\ 30}$, or a mono- to trivalent aromatic hydrocarbon group of $C_{6\ to\ 30}$;

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

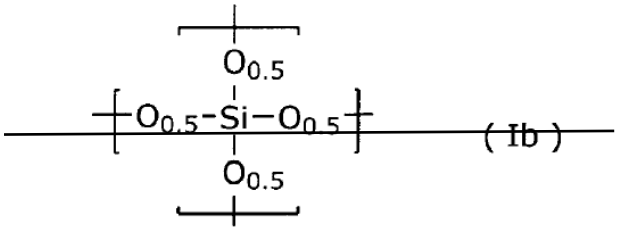
provided that, if $R^1$ is a di- or trivalent group, $R^1$ links Si atoms contained in the plural repeating units;

(II) a diazonaphthoquinone derivative,

(III) an additive selected from the group consisting of compounds having >N-C(=O)- or >N-C(=S)- structures and not having any other binding sites for said polysiloxane, 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):~~

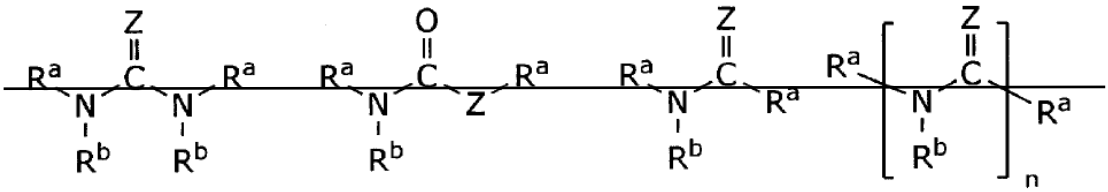


( Ib )

[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 tetrarnethylarnrnonium hydroxide.

[4] The composition according to any of claims 1 to 3, wherein said additive (III) contains a >N-C(=O)- or >N-C(=S)- structure in an amount of 0.1 to 5 weight parts 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 one selected from the group consisting of the following formulas (III-i) to (III-iv):



(III-i) (III-ii) (III-iii) (III-iv)

in which

Z is oxygen or sulfur;

each $R^a$ is independently hydrogen or a straight, branched or cyclic alkyl group of $C_{1\text{ to }20}$,

provided that

in said alkyl group,

one or more methylene is substituted with oxy or

carbonyl, or unsubstituted,

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

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

each $R^b$ is independently hydrogen or an alkyl group of $C_1$ to 4, provided that two $R^b$s in (III-ii) may form a cyclic structure; and

n is an integer of 1 to 3.

[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.