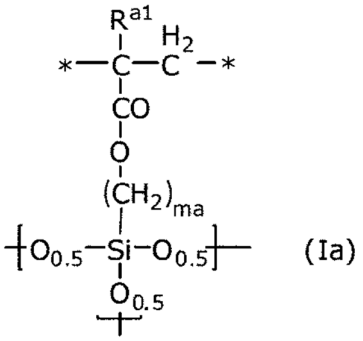
Patent Claims

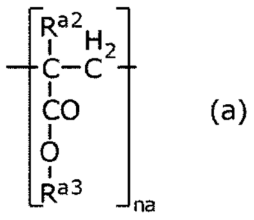
1. A negative type photosensitive composition comprising
(I) an alkali-soluble resin having a carboxyl group,
(II) a polymerization initiator,
(III) a compound containing two or more (meth)acryloyloxy groups, and
(IV) a solvent,
wherein the content of the compound containing two or more (meth)acryloyloxy groups is 40 to 300 mass % based on the total mass of the alkali-soluble resin,
wherein the alkali-soluble resin is a polysiloxane comprising a silsesquioxane skeleton.

2. The composition according to claim 1, wherein the polysiloxane comprises a repeating unit represented by the formula (Ia):



(Ia)

(wherein,
R^{a1} is hydrogen or methyl; and
ma is each independently an integer of 1 to 6), and
an acrylic polymerization unit represented by the formula (a):



(a)

(wherein,
R^{a2} is each independently hydrogen or methyl;

R^{a3} is hydrogen, a monovalent to hexavalent, C_{1-50} hydrocarbon group, wherein one or more methylene in the hydrocarbon group can be replaced by oxy, imino and/or carbonyl, and when R^{a3} is divalent or more valent, R^{a3} connects carbonyloxy in the formula (a) with carbonyloxy contained in another repeating unit represented by the formula (a); and
na is an integer of 0 or more), and
wherein,
* of at least one repeating unit in the formula (Ia) is connected, directly or via an acrylic polymerization unit represented by the formula (a), to * of another repeating unit represented by the formula (Ia), and
at least one acrylic polymerization unit represented by the formula (a) where R^{a3} is hydrogen exists.

3. The composition according to claim 1 or 2, further comprising a saccharide (V).

4. A method for producing a cured film comprising applying the composition according to any of claims 1 to 3 onto a substrate to form a coating film, exposing the coating film, and developing.

5. The method according to claim 4, wherein the developing is performed with 0.05 to 1.5 mass % TMAH aqueous solution, 0.1 to 2.5 mass % sodium carbonate aqueous solution, or 0.01 to 1.5 mass % potassium hydroxide as a developer

6. A cured film produced by the method according to claim 4 or 5.

7. A display device comprising the cured film according to claim 6.