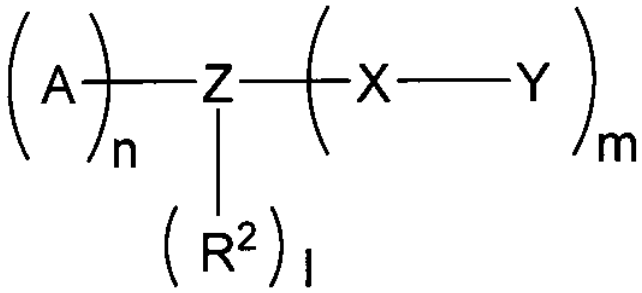
CLAIMS (Clean)

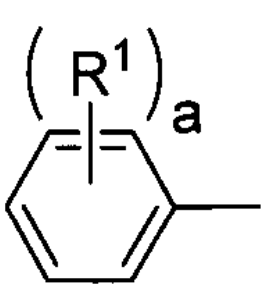
1. A coating agent comprising a compound represented by formula(I):



(I)

wherein in the formula (I),

A represents



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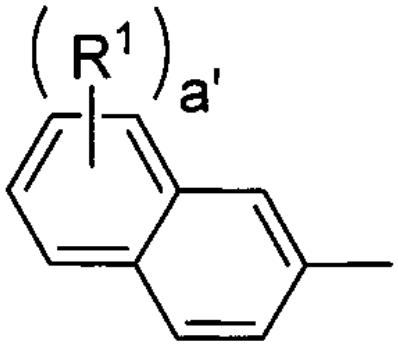


wherein

R^1 represents an electron-donating group,

a represents an integer of 0 to 5, and

a' represents an integer of 0 to 7,

Z represents a carbon atom or a silicon atom,

R^2 represents a hydrogen atom, a hydroxyl group, a linear or branched C1 to C6 alkyl group, a linear or branched C1 to C6 alkoxy group, a C3 to C6 cyclic alkyl group, or a C3 to C6 cyclic alkoxy group,

n represents an integer of 2 or 3,

m represents an integer of 1 or 2,

l represents an integer of 0 or 1, wherein n + m + 1 = 4, wherein when n represents an integer of 2 or 3, A is the same or different, and

Y represents –O-CO-$(O)_{m2}$-CR=CH2 with m2 representing 0 or 1 and R representing a hydrogen atom or a methyl group, -CH=CH2, an allyloxy group, an allyloxycarbonyloxy group, and

wherein in the formula (I),

when Z is a carbon atom, X represents

a C1 to C20 alkylene group optionally comprising an oxygen atom, a sulfur atom, -NR- with R representing a hydrogen atom or a C1 to C6 alkyl group, a C3 to C6 divalent aliphatic ring group, a C6 to C10 arylene group, an amide structure or a urethane structure,

a C3 to C10 divalent aliphatic ring group, or

a C6 to C10 arylene group, and

when Z is a silicon atom, X represents a C1 to C20 alkylene group optionally comprising an oxygen atom, a sulfur atom, -NR- with R representing a hydrogen atom or a

C1 to C6 alkyl group, an amide structure or a urethane structure.

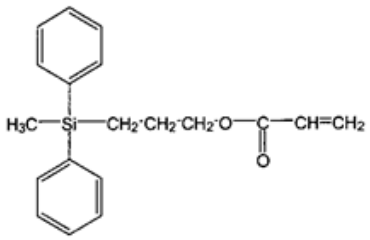
2. The coating agent according to claim 1, wherein in the formula (I), m represents 1.

3. The coating agent according to claim 1, wherein in the formula (I), n represents 3, m represents 1, and l represents 0.

4. The coating agent according to any one of claims 1 to 3, wherein the coating agent comprising the compound represented by formula (I) further comprises a metal compound.

5. The coating agent according to claim 4, wherein the metal compound is zirconia.

6. The coating agent according to claim 1, wherein the compound represented by formula (I) is one of:



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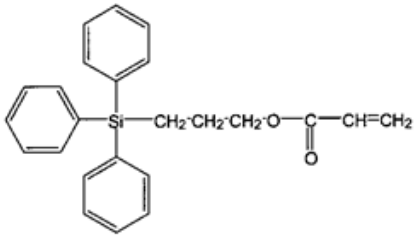
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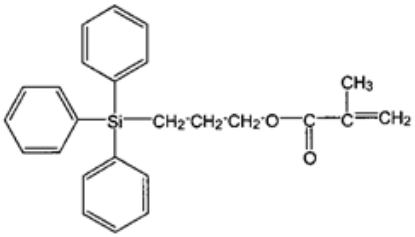
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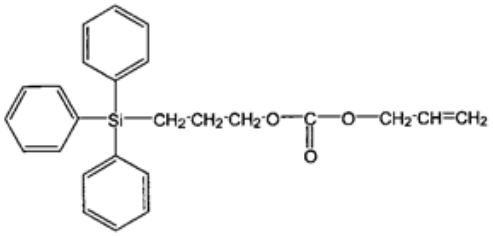
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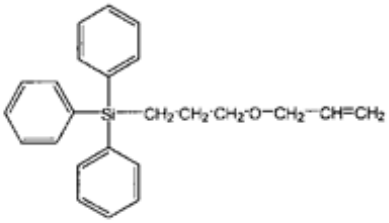
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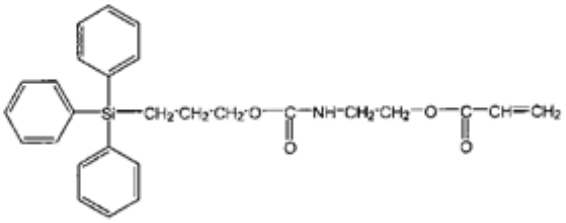
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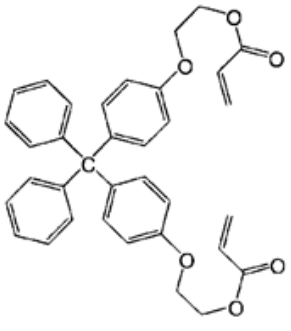
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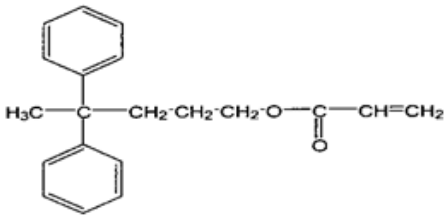
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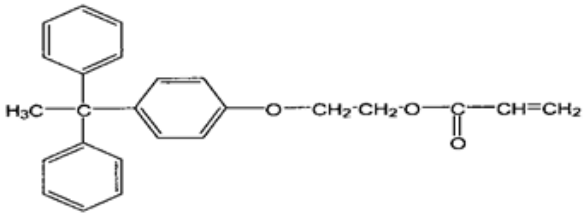
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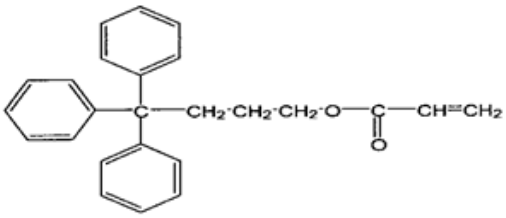
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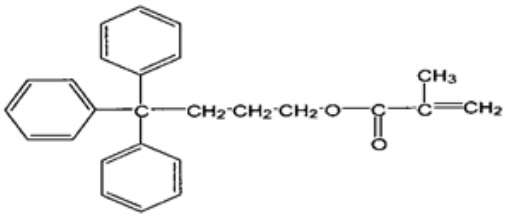
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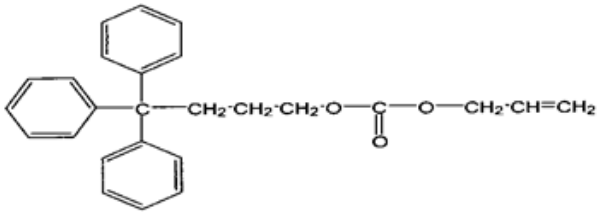
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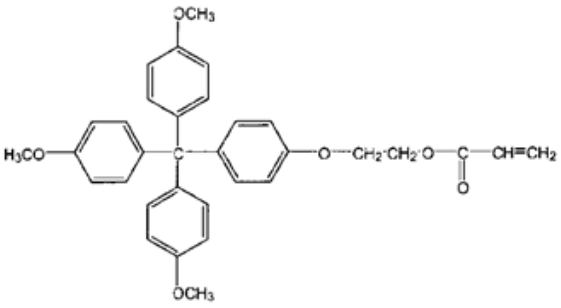
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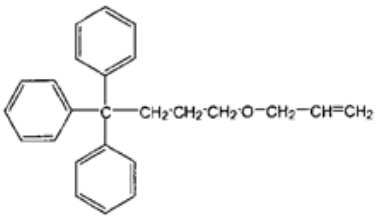
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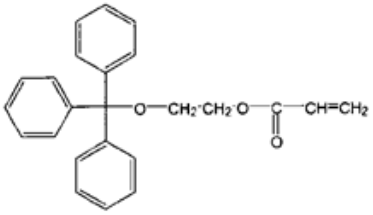
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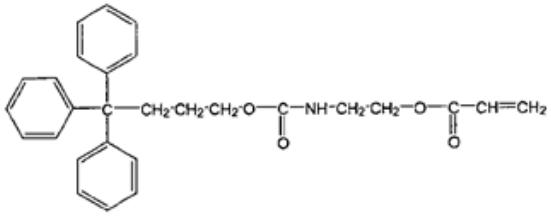
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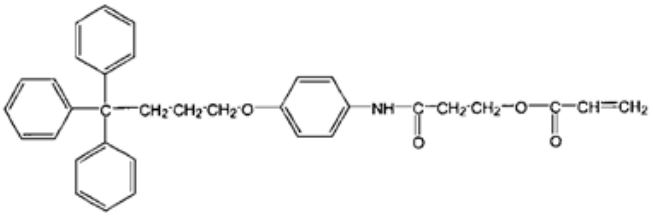
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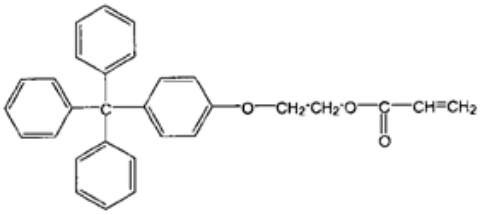
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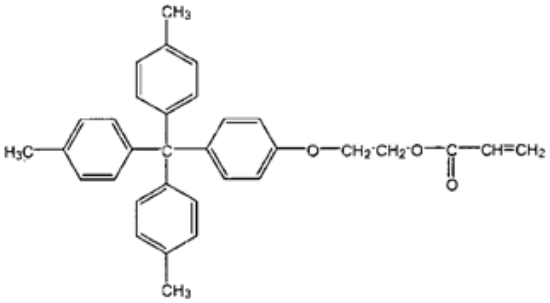
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7. The coating agent according to any one of claims 1 to 6, wherein the coating agent comprising the compound represented by formula (I) further comprises a condensate of an organosilane compound represented by formula (II):

$R^4Si(R^3)_3$ (II)

wherein

R^4 represents a C2 to C8 alkenyl group, a C6 to C10 aryl group, or a C1 to C30 alkyl group optionally substituted by an epoxy group, a glycidyloxy group, or a (meth)acryloxy group, and

R^3 represents a hydroxyl group or a hydrolyzable group.

8. A compact, wherein the compact is directly provided with a cured layer of the coating agent according to any one of claims 1 to 7 on a substrate.

9. The compact according to claim 8, wherein the substrate is a plastic substrate.

10. A compact, wherein a laminated film having functionality is further provided on the compact according to claim 8 or 9.

11. The compact according to claim 10, wherein the laminated film having functionality is an indium tin oxide film.