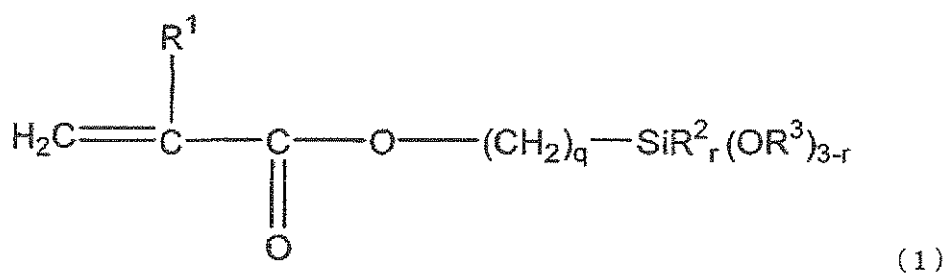


ABSTRACT

The present invention is directed to a hardening
 5 composition comprising silica fine particles (a), a
 (meth)acrylate (b) having two or more ethylenically unsaturated
 groups and being free from cyclic structure, a (meth)acrylate (c)
 having an ethylenically unsaturated group and having an alicyclic
 structure, a polymerization initiator (d) and black inorganic fine
 10 particles (e), wherein the silica fine particles (a) are
 surface-treated with a silane compound (f) represented by the
 following general formula (1) and a silane compound (g)
 represented by the following general formula (2):

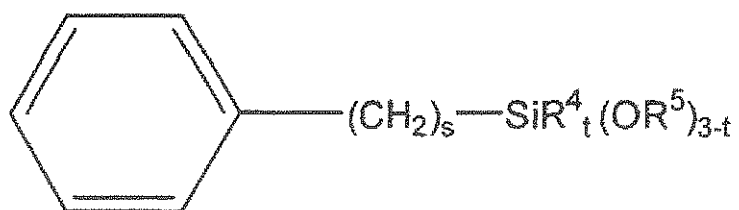
[Chem. 1]



15

(in the formula (1), R^1 represents a hydrogen atom or a methyl
 group, R^2 represents an alkyl group having 1 to 3 carbon atoms
 or a phenyl group, R^3 represents a hydrogen atom or a hydrocarbon
 group having 1 to 10 carbon atoms; q represents an integer of 1
 20 to 6; and r represents an integer of 0 to 2,

[Chem. 2]



(2)

(in the formula (2), R^4 is an alkyl group having 1 to 3 carbon atoms or a phenyl group which may have a substituent; R^5 is a hydrogen atom or a hydrocarbon group having 1 to 10 carbon atoms;

5 s is an integer of 0 to 6; and t is an integer of 0 to 2.