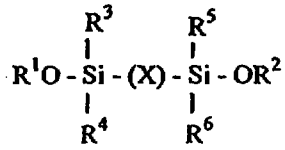
COATING LIQUID FOR FORMING TRANSPARENT FILM, SUBSTRATE COATED WITH TRANSPARENT FILM AND DISPLAY DEVICE

ABSTRACT

A coating liquid for forming a transparent film, comprising an inorganic oxide precursor, and an organosilicon compound or a product obtained by hydrolysis and condensation polymerization of the organosilicon compound, said organosilicon compound represented by the formula:



(1)

wherein each of R^1 and R^2 represents an alkyl group, a halogenated alkyl group, an aryl group, etc.; each of R^3 to R^6 represents an alkoxy group, an alkyl group, a halogenated alkyl group, an aryl group, etc.; and X represents $-(CH_2)_n-$, $-(Ph)-$, $-(CH_2)_n-(Ph)-$, $-(CH_2)_n-(Ph)-(CH_2)_n-$, $-(S)_m-$ or $-(CH_2)_n-(S)_m-(CH_2)_n-$, provided that Ph represents a benzene ring, m is an integer of 1 to 30 and n is an integer of 1 to 30. A transparent film which exhibits excellent performance in, for example, oxidation inhibition, rust prevention, chemical resistance, scuffing resistance, weather resistance and antireflection can be formed from the coating liquid.