

Title (en)

FLUOROALKYL-MODIFIED ORGANOSILANES AND THEIR USE IN COATING COMPOSITIONS

Title (de)

FLUORALKYLMODIFIZIERTE ORGANOSILANE, VERWENDUNG IN BESCHICHTUNGSZUSAMMENSETZUNGEN

Title (fr)

ORGANOSILANE MODIFIE PAR UN FLUOROALKYLE, ET SON UTILISATION DANS DES COMPOSITIONS DE REVETEMENT

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Application

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Abstract (en)

[origin: WO03014131A1] The invention relates to organosilanes of general formula (I), in which R represents a fluorinated or partially fluorinated alkyl group of formula $C_nZ_{2n+1}(CH_2)_m$ -, where $n \geq 1$, $m \geq 1$ and Z is either a hydrogen atom or a fluorine atom, with the proviso that at least one Z is a fluorine atom, Y represents a hydrogen atom or alkyl group comprising between 1 and 10 C atoms, X is either a hydrogen atom, a linear or branched alkyl group comprising between 1 and 10 C atoms, a group of formula $ROC(O)(CHY)(CH_2)$ -, a phenyl group or a benzyl group, $R_{<1>}$ represents a linear or branched alkylene group comprising between 1 and 20 C atoms and $R_{<2>}$, $R_{<3>}$ and $R_{<4>}$ represent linear or branched alkyl groups comprising between 1 and 10 C atoms or linear or branched alkoxy groups comprising between 1 and 10 C atoms, which are linked to the silicon atom by means of the oxygen atom. The invention also relates to a method for producing said organosilanes and to the use thereof, in particular in coating compositions for reducing their tendency to accumulate dirt.

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