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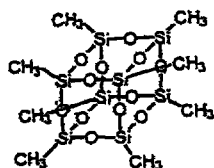
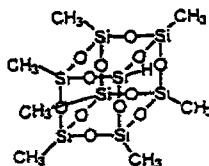
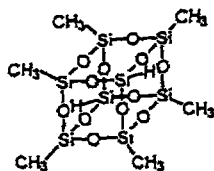
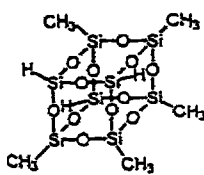
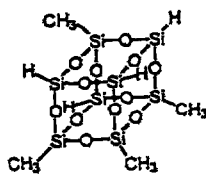
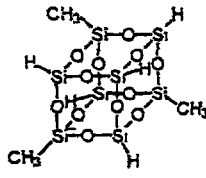
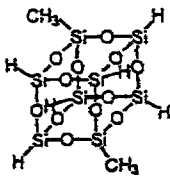
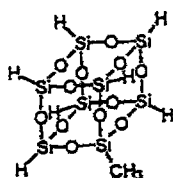
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[Continued on next page]

(54) Title: DEPOSITION OF FILMS USING ORGANOSILSESQUOXANE-PRECURSORS



(57) Abstract: There is provided an array of alkyl substituted silsesquioxane thin film precursors having a structure wherein alkyl groups are bonded to the silicon atoms of a silsesquioxane cage. The alkyl groups may be the same as, or different than the other alkyl groups. In a first aspect, the present invention provides a composition comprising a vaporized material having the formula $[R-SiO_{1.5}]_x[H-SiO_{1.5}]_y$, wherein $x + y = n$, n is an integer between 2 and 30, x is an integer between 1 and n and y is a whole number between 0 and n . R is a C_1 to C_{100} alkyl group. Also provided are films made from these precursors and objects comprising these films.

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