

[54] SILOXANE POLYPHOTOINITIATORS OF THE SUBSTITUTED ACETOPHENONE TYPE

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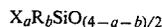
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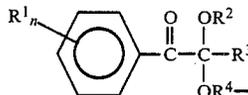
[57] ABSTRACT

An organopolysiloxane photoinitiator having an aver-

age of at least two siloxane units, of which at least an average of one siloxane unit per organopolysiloxane molecule has the formula:



wherein a is an integer of 1-3, b is a integer of 0-2 and a plus b equals 1-3; R is C₁-C₁₀ hydrocarbyl or halogen substituted C₁-C₁₀ hydrocarbyl; and X is substituted acetophenone photomoiety of the formula:



where R¹ is any substituent which will not interfere with hydrosilation, n is an integer between 0 and 4; R² is organosilyl substituted alkyl or alkenyl; R³ is H, alkyl or aryl; and R⁴ is a divalent hydrocarbon group having between 2 and 10 carbon atoms.

The silicones are prepared by hydrosilation of the corresponding olefinically or acetylenically α,α-dialkylacetophenones or α,α-dialkynylacetophenones.

8 Claims, No Drawings