

Title (en)

NEW SILICON COMPOUNDS WITH STERICALLY HINDERED CYCLIC AMINE FUNCTIONS USEFUL FOR THE LIGHT AND HEAT STABILIZATION OF POLYMERS

Title (de)

STERISCH GEHINDERTE CYCLISCHE AMINOGRUPPEN-ENTHALTENDE SILOXANZUSAMMENSETZUNG UND DEREN ANWENDUNG ZUR LICHT- UND HITZESTABILISIERUNG VON POLYMEREN

Title (fr)

NOUVEAUX COMPOSES SILICONES A FONCTIONS AMINES CYCLIQUES STERIQUEMENT ENCOMBREES, UTILES POUR LA STABILISATION LUMIERE ET THERMIQUE DES POLYMERES

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Application

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Abstract (en)

[origin: WO9618667A2] The present invention relates to linear, cyclic or branched polyorganosiloxanes having per molecule at least 3 siloxyl patterns of which at least one is a functional pattern having formula (I), wherein R<1> is a C1-C4 alkyl radical or phenyl; X is a monovalent group containing one or a plurality of cyclic amines having formula (II), wherein R is a hydrocarbon group, U is -O- or -NR'- with R' being H or a hydrocarbon group, Z is a tetraalkyl-2,2,6,6 piperidinyl group, x = 0 and 1; y = 0, 1 and 2; z = 1, 2 and 3; y + z = 3; and a is 0, 1 and 2. The present invention also relates to the utilization of such polyorganosiloxanes in polymers to improve particularly their photostabilization.

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