

Title (en)  
HINDERED AMINE LIGHT STABILIZERS BASED ON MULTI-FUNCTIONAL CARBONYL COMPOUNDS AND METHODS OF MAKING SAME

Title (de)  
GEHINDERTE AMINLICHTSTABILISATOREN AUF DER BASIS VON MULTIFUNKTIONELLEN CARBONYLVERBINDUNGEN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)  
AMINES EMPECHEES STABILISATRICES DE L'ACTION DE LA LUMIERE, A BASE DE COMPOSES CARBONYLE PLURI-FONCTIONNELS DE CARBONYLE, ET LEUR PROCEDE D'ELABORATION

Publication  
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Application  
**EP 01994383 A 20011026**

Priority  
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Abstract (en)  
[origin: TW583180B] Compounds and methods of preparing compounds of the formula: RZ-CO-CRaRb-(CRcRd)<sub>n</sub>-NH-(Y)<sub>m</sub>-CO-A (I), wherein n is an integer from 1 to 15, m is either 0 or 1; Ra, Rb, Rc, and Rd are each a hydrogen or a hydrocarbyl group; Y is CO-(CReRf)<sub>p</sub>, wherein Re and Rf are each a hydrogen or hydrocarbyl group and p is zero or an integer from 1 to 20 or CO-C<sub>6</sub>H<sub>4</sub>-, wherein the substitution pattern on the phenylene group is an ortho, meta, or para substitution pattern and one or more of the hydrogens of the phenylene group may be substituted by a hydrocarbyl group or a functional group; Z is -O- or -NG-, wherein G is H, C<sub>1</sub>-C<sub>12</sub> alkyl or the radical R; wherein R is wherein R<sub>1</sub> is hydrogen, C<sub>1</sub>-C<sub>18</sub> alkyl, O, OH, CH<sub>2</sub>CN, C<sub>1</sub>-C<sub>18</sub> alkoxy, C<sub>1</sub>-C<sub>18</sub> hydroxyalkoxy, C<sub>5</sub>-C<sub>12</sub> cycloalkoxy, C<sub>5</sub>-C<sub>12</sub> hydroxycycloalkoxy, C<sub>3</sub>-C<sub>6</sub> alkenyl, C<sub>1</sub>-C<sub>18</sub> alkynyl, C<sub>7</sub>-C<sub>9</sub> phenylalkyl, unsubstituted or substituted on the phenyl with 1, 2 or 3 C<sub>1</sub>-C<sub>4</sub> alkyls, or an aliphatic C<sub>1</sub>-C<sub>8</sub> acyl; R<sub>2</sub> is hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, or benzyl; R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, and R<sub>6</sub> are each a hydrogen, C<sub>1</sub>-C<sub>8</sub> alkyl, benzyl or phenethyl, or two geminal R moieties, which together with the carbon to which they are attached form a C<sub>5</sub>-C<sub>10</sub> cycloalkyl; and A is either ZR or a hydrocarbyl group, which are useful for stabilizing polymer compositions against photo- and thermal degradation.

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