

Title (en)  
ALDIMINOALKYLSILANES

Title (de)  
ALDIMINOALKYLSILANE

Title (fr)  
ALDIMINOALKYLSILANES

Publication  
**EP 1697385 A2 20060906 (DE)**

Application  
**EP 04804927 A 20041217**

Priority  
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• EP 03029160 A 20031218  
• EP 04804927 A 20041217

Abstract (en)  
[origin: EP1544204A1] New aldiminoalkylsilanes (I) are reaction products of aminoalkyl-trialkoxo-, -dialkoxyalkyl- or alkoxydialkyl-silane(s) (II) and aldehyde(s) (III) with a tertiary carbon atom in the alpha -position to the aldehyde carbonyl group. New aldiminoalkylsilanes (I) are reaction products of aminoalkyl-trialkoxo-, -dialkoxyalkyl- or alkoxydialkyl-silane(s) of formula (II) and aldehyde(s) of formula (III), which have a tertiary carbon atom in the alpha -position to the aldehyde carbonyl group:  $H_2N-R_1-Si(R_3)_3-a(OR_2)_3-a$  (II);  $O=CH-C(Y_1)(Y_2)(Y_3)$  (III);  $R_1$  linear or branched, optionally cyclic 1-20 C alkylene, optionally with aromatic components and/or heteroatom(s), especially N atom(s);  $R_2$  1-5 C alkyl;  $R_3$  1-8 C alkyl;  $a$  : 1, 2 or especially 0;  $Y_1$ -,  $Y_2$ -organic groups or together a 5-8-, preferably 6-membered carbocyclic or heterocyclic ring;  $Y_3$ -(substituted) alkyl containing heteroatom(s), branched or linear alkyl(ene) with not less than 10 C, (substituted) aryl or arylalkyl,  $O-R_4$ -,  $O-C(=O)-R_4$ -,  $C(=O)-O-R_4$ - or  $C(=O)-R_4$ -;  $R_4$ -(substituted) alkyl, arylalkyl or aryl with not less than 3 C. Independent claims are also included for the following: (1) preparation of (I); (2) (I) hydrolysis processes; (3) moisture-curing polyurethane composition.

IPC 8 full level  
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