

Title (en)

NEW CATALYSTS FOR THE CROSS-LINKING OF FUNCTIONAL SILANES OR FUNCTIONAL SILOXANES, PARTICULARLY WITH SUBSTRATES

Title (de)

NEUE KATALYSATOREN FÜR DIE VERNETZUNG VON FUNKTIONELLEN SILANEN ODER FUNKTIONELLEN SILOXANEN, INSBESONDERE MIT SUBSTRATEN

Title (fr)

NOUVEAUX CATALYSEURS POUR LA RÉTICULATION DE SILANES FONCTIONNELS OU DE SILOXANES FONCTIONNELS, EN PARTICULIER AVEC DES SUBSTRATS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2010028877A1] The invention relates to the use of organofunctional carboxy compounds as catalysts for silane hydrolysis and/or catalysts for silanol condensation, wherein according to the invention, the term carboxy compounds refers to an organic acid, preferably an organic carboxylic acid with 4 to 46 carbon atoms, such as fatty acids, or an organic acid precursor compound containing silicon, an  $\alpha$ -carboxysilane ((R3-(CO)O)4-z-xSiR2 x(A)z,  $\alpha$ -Si-oxycarbonyl-R3), or an organic acid precursor compound which does not contain silicon. The term organic acid precursor compound means esters, lactones, anhydrides, salts of organic cations. The invention also relates to the use of at least one organofunctional carboxy compound for the surface modification of substrates, the substrates modified with the same, and a kit for use in the production of the substrate.

IPC 8 full level

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