

Title (en)

METHOD FOR THE PRODUCTION OF A COATING MATERIAL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BESCHICHTUNGSMATERIALS

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN MATÉRIAU DE REVÊTEMENT

Publication

**EP 2152775 A1 20100217 (DE)**

Application

**EP 08734470 A 20080408**

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Abstract (en)

[origin: WO2008131715A1] The invention relates to a method for producing a coating material as well as the use of said coating material. The aim of the invention is to devise a method for producing a novel coating material which allows scratch-resistant coatings to be produced and can also be used as coating powder. Said aim is achieved by reacting one or more organic molecules, oligomers, or polymers comprising at least one functional group with one or more silanes comprising at least one functional organic group on an organic side chain in order to form a covalent bond between the organic molecule, oligomer, or polymer and the silane such that a polymolecular silane is obtained which can be directly cured using a catalyst. Surprisingly, reacting (optionally slightly pre-crosslinked) organically functionalized silanes, e.g. silanes having an NCO functionalization, with suitable reaction partners has shown that a novel class of compounds can be produced which can be used as a coating material, e.g. in the form of coating powders, high solid binders, or 100 percent resins.

IPC 8 full level

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