

Title (en)

METHOD FOR PRODUCING ALKYL CHLOROSILANES BY WAY OF REARRANGEMENT REACTIONS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ALKYLCHLORSILANEN DURCH UMLAGERUNGSREAKTIONEN

Title (fr)

PROCÉDÉ DE PRÉPARATION D'ALKYLCHLOROSILANES PAR RÉACTIONS DE TRANSPOSITION

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Application

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Abstract (en)

[origin: WO2014111275A1] The invention relates to a method for producing silanes of the general formula (1) $\text{RaHbSiCl}_4\text{-a-b}$ (1), in which mixtures of silanes of the general formulas (2) and (3) $\text{RcSiCl}_4\text{-c}$ (2), $\text{RdHeSiCl}_4\text{-d-e}$ (3) are continuously reacted in the moving bed reactor in the presence of an aluminum oxide catalyst, which per 100 parts by weight of aluminum oxide contains 1 to 10 parts by weight of aluminum chloride, wherein R is an alkyl radical having 1 to 6 carbon atoms, a denotes the values 1, 2, or 3, b denotes the values 0 or 1, c denotes the values 1, 2, 3, or 4, d denotes the values 0, 1, or 2, and e denotes the values 0, 1, or 2.

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