

Title (en)

METHOD FOR THE DIRECT SYNTHESIS OF METHYL CHLOROSILANES IN FLUIDIZED-BED REACTORS

Title (de)

VERFAHREN ZUR DIREKTSYNTHESE VON METHYLCHLORSILANEN IN WIRBELSCHICHTREAKTOREN

Title (fr)

PROCÉDÉ DE SYNTHÈSE DIRECTE DE MÉTHYLCHLOROSILANES DANS DES RÉACTEURS À LIT FLUIDISÉ

Publication

EP 3177631 A1 20170614 (DE)

Application

EP 15801138 A 20151119

Priority

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Abstract (en)

[origin: WO2016091551A1] The invention relates to a method for the production of methyl chlorosilanes by reaction of chloromethane with a contact mass, in which a mixture containing silicon, copper catalyst and promoter (contact mass 1) is fed into a first fluidized-bed reactor (fluidized-bed reactor 1), active contact mass (contact mass 2) is formed in the presence of chloromethane at 200 to 450 °C, a part of the contact mass (2) is removed from the fluidized-bed reactor (1) and fed into a second fluidized-bed reactor (fluidized-bed reactor 2) and reacted at 200 to 450 °C with chloromethane, wherein, per time unit in fluidized-bed reactor (1), at least 20 parts by weight of contact mass 2 per 100 parts by weight of contact mass (1) are recycled, and wherein contact mass (2) fed into fluidized-bed reactor (2) and recycled in fluidized-bed reactor (1), is not cooled to a temperature below 150 °C after removal from the fluidized-bed reactor (1).

IPC 8 full level

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Citation (search report)

See references of WO 2016091551A1

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