

Title (en)  
COMBINED METHOD FOR THE PRODUCTION OF HYDROGEN-CONTAINING CHLOROSILANES

Title (de)  
VERBUNDVERFAHREN ZUR HERSTELLUNG VON WASSERSTOFFHALTIGEN CHLORSILANEN

Title (fr)  
PROCÉDÉ COMPOSÉ POUR PRODUIRE DES CHLOROSILANES CONTENANT DE L'HYDROGÈNE

Publication  
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Application  
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Abstract (en)  
[origin: WO2012123159A1] The invention relates to a method for producing a product gas mixture containing hydrogen-containing chlorosilanes within a combined method by hydrogenating silicon tetrachloride and organochlorosilanes, in particular methyl trichlorosilane, which are obtained as byproducts in the combined method, with hydrogen in a pressurized hydrogenation reactor comprising one or more reaction chambers, each of which consists of a reactor tube made of gas-tight ceramic material. The product gas mixture is reprocessed, and at least a portion of at least one product of the product gas mixture is used as feedstock in the hydrogenation process or as feedstock in another process within the combined method. The invention further relates to a combined system suitable for carrying out the combined method.

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