

Title (en)
SYSTEM AND PROCESS FOR PRODUCING MONOSILANE

Title (de)
ANLAGE UND VERFAHREN ZUR HERSTELLUNG VON MONOSILAN

Title (fr)
SYSTÈME ET PROCÉDÉ DE PRODUCTION DE MONOSILANE

Publication
EP 2461882 A1 20120613 (DE)

Application
EP 10737918 A 20100802

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Abstract (en)
[origin: CA2769192A1] A description is given of a system and a process for producing monosilane (SiH₄) by catalytic disproportionation of trichlorosilane (SiHCl₃). The trichlorosilane is reacted in a reaction column (100) in the presence of a catalyst and subsequently purified in a rectification column (109). Between a reactive/distillation reaction zone (104; 105) in the reaction column (100) and the rectification column (109), one or more condensers (103) are arranged in which monosilane-containing reaction product from the reaction column (100) is partly condensed. However, this concerns solely condensers which are operated at a temperature above -40°C.

IPC 8 full level
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