

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  
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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 (SiH<sub>4</sub>) by catalytic disproportionation of trichlorosilane (SiHCl<sub>3</sub>). 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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