

Title (en)  
SOLID POLYSILANE MIXTURES

Title (de)  
FESTE POLYSILAN-MISCHUNGEN

Title (fr)  
MÉLANGES DE POLYSILANES SOLIDES

Publication  
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Application  
**EP 07817520 A 20070913**

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• DE 2007001648 W 20070913  
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Abstract (en)  
[origin: WO2008031427A2] The invention relates to mixtures of polysilanes which are macroscopically solid at room temperature. The individual constituents of said mixtures, of the composition  $\text{Si}_n\text{H}_{2n+2}$  and/or  $\text{Si}_n\text{H}_{2n+2}$ , decompose before boiling under an applied process pressure, and the mixtures of polysilanes themselves are obtained from the hydrogenation of largely chlorinated polysilane mixtures produced by plasma-chemical methods. Said mixtures of polysilanes are especially suitable for applying to surfaces as solutions or dispersions and for obtaining silicon-based structures or layers in subsequent process steps. They are also especially safe to handle and can furthermore be treated for transport in suitable transport containers.

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