

Title (en)  
METHOD AND DEVICE FOR REMOVING ORGANIC SULPHUR COMPOUNDS FROM HYDROGEN-RICH GASES

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM ENTFERNEN VON ORGANISCHEN SCHWEFELVERBINDUNGEN AUS WASSERSTOFFREICHEN GASEN

Title (fr)  
PROCÉDÉ ET DISPOSITIF PERMETTANT D'ÉLIMINER DES COMPOSÉS DE SOUFRE ORGANIQUES CONTENUS DANS DES GAZ RICHES EN HYDROGÈNE

Publication  
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Application  
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Priority

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Abstract (en)  
[origin: WO2018041728A1] The invention relates to a method for separating sulphur from a hydrogen-rich gas containing carbon disulphide compounds and oxygen, in which carbon disulphide compounds are converted into hydrogen sulphide using a catalyst, a noble metal catalyst being used as the catalyst. The use of the noble metal catalyst allows oxygen to be converted into water at the same time as the reduction of the carbon disulphide compounds. Furthermore, the oxygen reduction can provide the energy required to heat the catalyst. The invention also relates to a device for carrying out a corresponding method.

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See references of WO 2018041728A1

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