

Title (en)  
METHOD FOR THE SELECTIVE REMOVAL OF HYDROGEN SULFIDE

Title (de)  
VERFAHREN ZUR SELEKTIVEN ENTFERNUNG VON SCHWEFELWASSERSTOFF

Title (fr)  
PROCÉDÉ D'ÉLIMINATION SÉLECTIVE DE SULFURE D'HYDROGÈNE

Publication  
**EP 3356015 A2 20180808 (DE)**

Application  
**EP 16777611 A 20160926**

Priority  
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• EP 2016072785 W 20160926

Abstract (en)  
[origin: WO2017055192A2] An absorbent for the selective removal of hydrogen sulfide from a fluid stream containing carbon dioxide and hydrogen sulfide contains: a) an amine compound of formula (I), where X, R1 to R7, x, y and z are defined as per the description; and b) a non-aqueous solvent; wherein the absorbent contains less than 20 wt. % water. Also disclosed is a method for the selective removal of hydrogen sulfide from a fluid stream containing carbon dioxide and hydrogen sulfide, wherein the fluid stream is brought into contact with the absorbent. The absorbent is characterised by high loadability, high cyclical capacity, good regeneration characteristics and low viscosity.

IPC 8 full level  
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