

Title (en)  
PROCESS FOR WORKUP OF A CARBON DIOXIDE-RICH GAS TO BE FREED OF SULFUR COMPONENTS

Title (de)  
VERFAHREN ZUR VERARBEITUNG EINES VON SCHWEFELKOMPONENTEN ZU REINIGENDEN KOHLENDIOXIDREICHEN GASES

Title (fr)  
PROCÉDÉ POUR LE TRAITEMENT D'UN GAZ RICHE EN DIOXYDE DE CARBONE DEVANT ÊTRE DÉBARRASSÉ DES COMPOSANTS SULFURÉS

Publication  
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Application  
**EP 11712170 A 20110322**

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Abstract (en)  
[origin: CA2792812A1] The invention relates to a process for workup of an industrial carbon dioxide-rich gas to be freed of sulfur components, in which an industrial gas to be freed of sulfur components is purified by a gas scrubbing, and the laden solvent is freed of carbon dioxide and hydrogen sulfide by a regeneration to obtain at least one acid gas fraction having a relatively high content of sulfur components, and the fraction with the highest hydrogen sulfide (H<sub>2</sub>S) content is supplied to a Claus plant with downstream Claus process gas hydrogenation, and at least one carbon dioxide-laden, low-hydrogen sulfide acid gas fraction from the regeneration device, which has a reduced sulfur content compared to the fraction with the highest hydrogen sulfide (H<sub>2</sub>S) content, is combined with the hydrogenated Claus process gas to give a combined process gas stream, which is supplied to further processing or to recycling into the process.

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RU 2012142710 A 20140510; RU 2545273 C2 20150327; TW 201202124 A 20120116; TW 201210930 A 20120316;  
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