

Title (en)
DEACIDIFICATION PROCESS OF A GAS BY MEANS OF AN ABSORBING SOLUTION WITH THE DISCHARGE OF A GASEOUS EFFLUENT FROM THE LOADED ABSORBING SOLUTION AND WASHING OF THE EFFLUENT USING THE REGENERATED ABSORBING SOLUTION

Title (de)
VERFAHREN ZUR ENTSÄUERUNG EINES GASES MITTELS EINER ABSORBIERENDEN LÖSUNG MIT FREISETZEN EINES GASFÖRMIGEN STROMES AUS DER BELADENEN ABSORBIERENDEN LÖSUNG UND WASCHEN DES GASFÖRMIGEN STROMES DURCH DIE REGENERIERTE ABSORBIERENDE LÖSUNG

Title (fr)
PROCEDE DE DESACIDIFICATION D'UN GAZ PAR UNE SOLUTION ABSORBANTE AVEC LIBERATION D'UN EFFLUENT GAZEUX A PARTIR DE LA SOLUTION ABSORBANTE CHARGEE ET LAVAGE DE CET EFFLUENT PAR LA SOLUTION ABSORBANTE REGENEREE

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Application
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Abstract (en)
[origin: WO2011095703A1] The invention relates to a method for deacidifying a gaseous load comprising acid compounds. The gaseous load is brought into contact in C1 with an absorbent solution in such a way as to obtain a gaseous effluent depleted in acid compounds and an absorbent solution loaded with acid compounds, the absorbent solution being selected for its characteristic of forming two liquid phases when heated. Then, a gaseous effluent is released from the absorbent solution loaded with acid compounds. At least part of the absorbent solution loaded with acid compounds is thermally regenerated and at least a fraction of the regenerated absorbent solution is separated into a water-enriched liquid phase and a liquid phase enriched with reactive compounds. The water-enriched liquid phase is used to wash the gaseous effluent released from the absorbent solution enriched with acid compounds in order to obtain a gaseous effluent depleted in reactive compounds.

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