

Title (en)  
PROCESS FOR ENRICHING A GASEOUS EFFLUENT WITH ACID GASES

Title (de)  
VERFAHREN ZUR ANREICHERUNG EINES ABGASES MIT SÄUREGASEN

Title (fr)  
PROCEDE D'ENRICHISSEMENT EN GAZ ACIDES D'UN EFFLUENT GAZEUX

Publication  
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Application  
**EP 08787896 A 20080403**

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Abstract (en)  
[origin: WO2008142262A2] The present invention relates to a process for enriching a gaseous effluent with acid compounds that comprises the following steps: a feed gas and a mixture of at least two liquid phases that are immiscible with each other, including one aqueous phase, are fed into a contactor R1, wherein the feed gas contains at least some acid compounds; predetermined pressure and temperature conditions for the formation of hydrates consisting of water and the acid compounds are established in said contactor; the hydrates are transported in a dispersion in the phase that is immiscible with the aqueous phase by pumping P1 to a flask R2 for dissociation of the hydrates; conditions for dissociation of the hydrates are established in the flask; and the gas generated by the dissociation, which is enriched with acid compounds compared to the feed gas, is discharged.

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