

Title (en)
METHOD AND INSTALLATION FOR PURIFYING GAS

Title (de)
VERFAHREN UND ANLAGE ZUR GASREINIGUNG

Title (fr)
PROCEDE ET INSTALLATION POUR LA PURIFICATION DE GAZ

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Application
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Abstract (en)
[origin: WO2005051522A1] The invention relates to a method and installation for separating sulfur dioxide out of waste gas, whereby the waste gas is subjected to the action of salt water in an absorption tower, and the salt water loaded with sulfur compounds is drawn out from the liquid bottom of the absorption tower and is subjected to the action of fresh salt water. In order to eliminate the need for very expensive and large secondary reaction basins as required by the prior art, the invention provides that the liquid containing bisulfates is drawn out from the liquid bottom of the absorption tower and, for the purpose of forming sulfates and adjusting the pH (neutralization), is subjected to the action of fresh salt water in a line. The invention is based on the finding that the formation of sulfates and the adjustment of the pH are completed after a reaction time of 1 to 2 minutes. This makes it possible to eliminate the need for a large and expensive secondary reaction basin.

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