

Title (en)
METHOD FOR REMOVAL OF MERCURY FROM GASEOUS EFFLUENTS

Title (de)
VERFAHREN ZUR ENTFERNUNG VON QUECKSILBER AUS ABGASEN

Title (fr)
PROCÉDÉ DE DÉMERCURISATION D'EFFLUENTS GAZEUX

Publication
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Application
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Abstract (en)
[origin: WO2019081635A1] In order to effectively, inexpensively and easily remove mercury from gaseous effluents, the invention proposes a method for removal of mercury, wherein a reagent for capturing mercury (3), which is made up of a solution of a bicarbonate and a sulfide, is injected in liquid form into a gaseous stream (2) having a temperature greater than 140°C, preferably between 170°C and 220°C, so that dry grains, resulting from evaporation of the water of the solution followed by thermal decomposition of the bicarbonate of the solution into carbonate, have a large specific surface area on which the sulfide initially present in the solution is distributed in order to bond with and thus capture the mercury present in the gaseous stream.

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