

Title (en)

METHOD AND APPARATUS FOR SEPARATION OF OFFGAS IN THE COMBUSTION OF PARTICULAR METALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TRENNUNG VON ABGAS BEI DER VERBRENNUNG BESTIMMTER METALLE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SÉPARATION DE GAZ RÉSIDUAIRE LORS DE LA COMBUSTION DE CERTAINS MÉTAUX

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Application

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Abstract (en)

[origin: WO2015124474A1] The present invention relates to a method for separating offgas from solid and/or liquid reaction products in the combustion of a metal M selected from alkali metals, alkaline earth metals, Al and Zn, and mixtures thereof, with a combustion gas, wherein, in a reaction step, the combustion gas is combusted with the metal M, forming offgas and further solid and/or liquid reaction products, and, in a separation step, the offgas is separated from the solid and/or liquid reaction products, in which, in the separation step, a carrier gas is additionally added and the carrier gas is removed as a mixture with the offgas, and to an apparatus for performing the method.

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