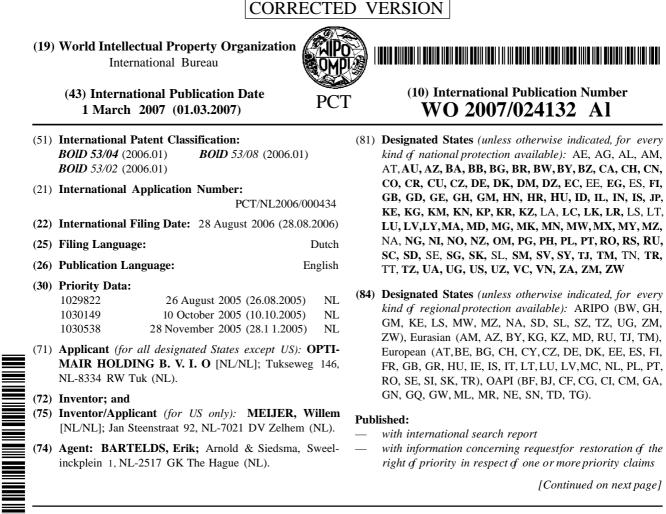
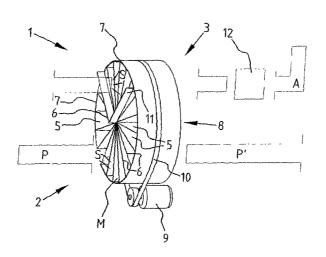
(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)



(54) Title: METHOD AND DEVICE FOR SEPARATING A SUBSTANCE FROM A PROCESS GAS



/024132 A1 (57) Abstract: The invention relates to a method for separating a substance from a process gas, comprising the steps of : a) supplying the process gas, b) bringing the process gas into contact with a sorption material, wherein the substance passes from the process 200 gas into the sorption material, c) discharging the process gas from which the substance has been separated, and d) regenerating the sorption material by relinquishing the substance sorbed therein or thereon to an auxiliary gas, wherein: - as sorption material a material is used which has a sorption state in which it has a relatively great take-up capacity for the substance, as well as a desorption state in which the take-up capacity is smaller, and - the sorption material is transferred from the sorption state to the desorption state at a temperature lower than the boiling point of the sorbed substance for the purpose of regeneration. The invention further relates to a device for performing this method.

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(48) Date of publication of this corrected version:(15) Information about Correction:27 November 2008see Notice of 27 November 2008