

Title (en)

METHOD AND DEVICE FOR SEPARATING GAS COMPONENTS BY ADSORPTION.

Title (de)

VERFAHREN UND VORRICHTUNG ZUR TRENNUNG VON GASKOMPONENTEN DURCH ADSORPTION.

Title (fr)

PROCEDE ET DISPOSITIF DE SEPARATION DE COMPOSANTS D'UN GAZ PAR ADSORPTION.

Publication

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Application

EP 93918807 A 19930818

Priority

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- LU 88160 A 19920818

Abstract (en)

[origin: WO9404249A1] A method for separating gas components by adsorption uses a chamber (1) divided into equal, separate, sealed compartments (27) filled with an adsorbant material (7, 8) chosen according to the gas to be treated, each compartment being designed to temporarily let in the gas to be treated and discharge at least one of the chosen components of this gas, the other component(s) of said gas being adsorbed by said material (7, 8). The gas to be treated is let into one of the compartments (27) until a given pressure is reached while further gas to be treated is being let into at least one of the following compartments (27), and the selected component is discharged therefrom. The pressure in a following compartment (27) is allowed to drop so that partial desorption of the unwanted gas component(s) and a washing fluid is injected into this compartment to ensure complete desorption. A device for implementing the method is disclosed.

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