

Title (en)

METHOD AND DEVICE FOR REDUCING THE CARBON DIOXIDE CONCENTRATION IN AIR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ABREICHERUNG VON KOHLENDIOXID AUS LUFT

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE REDUIRE LA CONCENTRATION DE L'AIR EN DIOXYDE DE CARBONE

Publication

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Application

**EP 03814459 A 20030711**

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Abstract (en)

[origin: WO2004060538A1] The invention relates to a method for reducing the carbon dioxide concentration in air of a closed or partially closed unit of space. The inventive method comprises the steps of removing an air flow from the unit of space, guiding the air flow in a membrane systems that contains at least one membrane module having a CO<sub>2</sub>/O<sub>2</sub> selectivity of greater 2, removing the carbon dioxide permeated through the membrane, and returning the air flow that has been depleted of carbon dioxide in the membrane system to the unit of space. The inventive method can be optionally combined with an oxygen enrichment method. The invention also relates to corresponding devices for carrying out the inventive method.

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