

Title (en)

SEPARATION OF FLUID MIXTURES USING MEMBRANIZED SORPTION BODIES

Title (de)

TRENNUNG VON FLUIDGEMISCHEN MITTELS MEMBRANISierter SORPTIONSKÖRPER

Title (fr)

SEPARATION DE MELANGES FLUIDIQUES AU MOYEN DE CORPS DE SORPTION A MEMBRANES

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Application

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Abstract (en)

[origin: WO0180981A1] The invention relates to a device and method for separating fluid mixtures, whereby the device comprises a porous and sorptively active body, which, on at least one outer surface, is in direct contact with a separation layer. In addition, the inventive device is provided with units which effect an asymmetrically heating for the specific introduction of thermal desorption energy into the porous body, and with units for carrying away substances that permeate through the separation layer. Said separation layer is comprised of polymers, carbon fibers and carbon-like and/or metallic materials and/or oxidic and non-oxidic ceramic materials and/or glasses.

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