

Title (en)

Regenerative heat exchanger and radial seal for use for such and method for separating gaseous media in a regenerative heat exchanger

Title (de)

Regenerativ-Wärmeaustauscher und Radialdichtung zur Verwendung für einen solchen sowie Verfahren zum Trennen von gasförmigen Medien in einem regenerativ-Wärmeaustauscher

Title (fr)

Echangeur thermique régénératif, joint radial destiné à l'utilisation pour celui-ci et procédé destiné à la séparation de milieux gazeux dans un échangeur thermique régénératif

Publication

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Application

EP 07014528 A 20070724

Priority

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Abstract (en)

[origin: EP2023070A1] The heat exchanger has a rotor (10) comprising a set of radially running sector walls (12). Heat accumulator chambers (19) are arranged one behind the other in a radial direction of the rotor and through-flowable by a gaseous medium. The chambers comprise openings formed in an area of front surfaces of the rotor, and a radial seal (20) is arranged at the front surfaces of the rotor, where the seal and the rotor are rotatable relative to each other. The radial seal is designed in such a manner that the seal partially covers the opening during the operation of the heat exchanger. An independent claim is also included for a method for separating gaseous medium in a regenerative-heat exchanger.

IPC 8 full level

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