

Title (en)  
REGENERATIVE HEAT EXCHANGER

Publication  
**EP 0167757 B1 19870916 (DE)**

Application  
**EP 85106063 A 19850517**

Priority  
DE 3423962 A 19840629

Abstract (en)  
[origin: ES8609691A1] A regenerative heat exchanger having a heat-exchanging storage medium which is provided with a plurality of flow channels. At each end there is provided a respective hood, which divides the storage medium via radial sealing members into at least one portion which receives heat-emitting gases, and at least one portion which receives heat-absorbing gases, with said portions, as a result of a continual relative rotation between the storage medium and the hood, alternately receiving the two types of gases. Sealing members are also disposed along the periphery between the hoods and a housing which accommodates the storage medium. In order to simplify the construction, reduce the amount of space required, and to improve the efficiency and avoid periodic down times for cleaning and in particular the leading edges of the storage medium, the radial sealing members are embodied as sealing strips which rest yieldingly directly against the respective planar end face of the storage medium. The yielding engagement can be achieved either by special spring elements, or by the inherent elasticity of the sealing strips. The actual sealing element can be a plurality of bristles which are held in a support body and are enclosed along the longitudinal edges of the sealing strips by sealing arms which are embodied as gap seals.

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**F28D 19/04**

IPC 8 full level  
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CPC (source: EP US)  
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