

Title (en)
A ROTATABLE HEAT EXCHANGER.

Title (de)
ROTIERENDER WÄRMEAUSTAUSCHER.

Title (fr)
ECHANGEUR THERMIQUE ROTATIF.

Publication
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Application
EP 88903452 A 19880411

Priority
SE 8701606 A 19870416

Abstract (en)
[origin: WO8808112A1] The present invention relates to a rotary heat exchanger (10) for recovering heat or cold and/or moisture from gas flows. The heat exchanger comprises a casing (12) which incorporates gas-flow channels (16, 18). The heat exchange rotor (22) forms part of a withdrawable rotor unit (55), which also includes a frame (28) on which the rotor is journaled, a transverse wall (56) having an opening for accommodating the rotor, a rotor drive motor (40), and a cover plate (38) which is intended to cover an opening (36) in the casing (12) through which the rotor unit can be withdrawn. Arranged between the transverse wall (56) and the peripheral surface (62) of the rotor (22) is a radially directed peripheral seal (60), to which is connected within the area of the frame (28) an axial seal (82) and a diametrical seal (48) respectively.

Abstract (fr)
Echangeur thermique rotatif (10) permettant de récupérer la chaleur ou la fraîcheur et/ou l'humidité provenant d'écoulements de gaz. L'échangeur thermique comprend un logement (12) refermant des conduits (16, 18) d'écoulement de gaz. Le rotor d'échange thermique (22) fait partie d'une unité de rotor amovible (55) comprenant également un cadre (28) sur lequel le rotor est tourillonné, une paroi transversale (56) ayant un orifice destiné à loger le rotor, un moteur (40) d'entraînement du rotor, et une plaque de couverture (38) destinée à couvrir un orifice (36) situé dans le logement (12) à travers lequel l'unité de rotor peut être retirée. Disposé entre la paroi transversale (56) et la surface périphérique (62) du rotor (22) se trouve un joint périphérique (60) orienté radialement, auquel sont connectés, à l'intérieur de la zone du cadre (28), un joint axial (82) et un joint diamétralement opposé (48) respectivement.

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IPC 8 full level
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IPC 8 main group level
F28F (2006.01)

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Citation (search report)
See references of WO 8808112A1

Cited by
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