

Title (en)
HEAT TRANSFER DEVICE

Title (de)
VORRICHTUNG ZUR WÄRMEÜBERTRAGUNG

Title (fr)
DISPOSITIF DE TRANSFERT DE CHALEUR

Publication
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Application
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Abstract (en)
[origin: WO0208680A1] The invention relates to a device for transferring heat from a first fluid to a second fluid that is separate from said first fluid. Said device comprises a stack or shell structure comprising at least two layers (1, 2, 3), especially boards (1, 2, 3). Every layer (1, 2, 3) comprises a heat transfer zone with a plurality of channels (11, 12, 13), an inlet zone disposed upstream, in the direction of flow, of the heat transfer zone and an outlet zone disposed downstream, in the direction of flow, of the heat transfer zone. The aim of the invention is to improve such a device in such a way that it provides a comparatively large heat-transferring surface while having a small volume and that it allows a troublefree operation even if there is a large pressure difference between the two fluids. To this end, the inlet and/or outlet zone comprises at least one support element (18).

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