

Title (en)
HEAT TRANSFER DEVICE AND USE THEREOF

Title (de)
WÄRMEÜBERTRAGUNGSVORRICHTUNG UND DEREN VERWENDUNG

Title (fr)
DISPOSITIF D'ÉCHANGE DE CHALEUR ET SON UTILISATION

Publication
EP 3143357 A1 20170322 (DE)

Application
EP 15717147 A 20150413

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• DE 102014208955 A 20140512
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Abstract (en)
[origin: WO2015172954A1] The invention relates to a heat transfer device with ducts for heat-absorbing media and ducts for heat-emitting media, wherein at least one of the ducts has a textile structure with compressed and non-compressed regions. While the compressed regions are arranged in the transition regions between the ducts in order to improve the heat transfer at or via the duct wall, the non-compressed regions are arranged in the flow regions of the ducts. This construction permits a large transfer of heat at the heat transfer surface and at the same time good conduction of heat from the heat transfer surface to the separating surface. The invention also relates to a heat exchanger having such heat transfer devices.

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