Title (en)
HEAT EXCHANGER ASSEMBLY

Title (de)
WÄRMETAUSCHERANORDNUNG

Title (fr)
ENSEMBLE ÉCHANGEUR THERMIQUE

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Application
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Priority
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Abstract (en)
[origin: EP3252421A1] The present invention relates to the heat exchanger assembly comprising at least two manifolds (1), each of which includes the cover (4) closed at both ends having defined therein at least one longitudinal channel (5), as well as many slots (10) on one of the surfaces of said cover (4), and the header (2) applied on said cover (4) and extending beyond the ends of said cover (4), wherein the header (2) has a plurality of slots (3) at positions corresponding to the positions of said slots (10) of said cover (4). The flat tubes (17) extend between the manifolds (1) for conducting a cooling medium, wherein the ends of each flat tube (17) are tightly attached in corresponding slots (3) of the headers (2) of the manifolds, while the fins (18) extend between adjacent flat tubes (17). In the parts of the header (2) extending beyond the ends of the cover (4) additional extreme slots (3a) are formed and the heat exchanger assembly comprises additional extreme flat tubes (17a) extending parallel to the flat tubes (17) between the extreme openings (3a) of the opposed manifolds (1). The ends of said extreme flat tubes (17a) pass through the extreme slots (3a) of the header (2) and are at least in part bent towards the ends of the covers (4) of the manifolds (1).

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