

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

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Application
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Abstract (en)
[origin: WO2014095121A1] The present invention relates to a heat exchanger (6) for transferring heat between a gaseous first fluid and a liquid second fluid, having multiple pipes (17) which extend through a first fluid path (7) for conducting the first fluid, said pipes externally being coupled in heat-transmitting fashion to cooling fins (18) which are arranged in the first fluid path (7) and through which the first fluid can flow and said pipes internally forming a second fluid path (19) for conducting the second fluid, wherein the pipes (17) and the cooling fins (18) are stacked on one another in a stacking direction (20) in order to form a cooler block (8), said stacking direction extending transversely with respect to a main flow direction (21) of the first fluid in the first fluid path (7), and wherein the cooler block (8) has, on two outer sides facing away from one another in the stacking direction (20), in each case one side part (9) for lateral delimitation of the first fluid path (7). Increased stability is achieved if the two side parts (9) are fixedly connected to one another by means of at least one tension rod (23) which is a component separate from the cooling fins (18) and the pipes (17) and which permits a transmission of tensile force in the stacking direction (20).

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