

Title (en)
A HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

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Application
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Abstract (en)
The object of the invention is, among others, a heat exchanger (1) for heat exchange between a first fluid and a second fluid comprising: a first header- tank assembly (20); a second header- tank assembly (30) wherein the heat exchanger (1) is intended for operation in orientation in which the first header- tank assembly (20) is substantially higher with respect to a ground level than the second header- tank assembly (30); plurality of tubes (3) arranged in a first stack (41) and in a second stack (42), wherein the stacks (41, 42) are arranged between the first header- tank assembly (20) and the second header- tank assembly (30), wherein the second stack (42) is arranged downstream to the first stack (41) with respect to the intended first fluid flow path; at least one fin (50) interlaced between two adjacent tubes (40) of each stack (41, 42), wherein the fin (50) further comprises a first section (100) configured to deflect the first fluid substantially obliquely-upwardly, and a second section (200) configured to deflect the first fluid towards the second header- assembly (30), wherein the second section (200) is arranged downstream to the first section (100) with respect to the intended first fluid flow path, characterised in that the fin (50) further comprises a third section (300) arranged downstream to the first section (100) and the second section (200) so that the second section (200) is located substantially between the first stack (41) and the second stack (42).

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Citation (search report)
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• [A] JP 2019163921 A 20190926 - DENSO CORP
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