

Title (en)
A TUBE FOR A HEAT EXCHANGER

Title (de)
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Title (fr)
TUBE POUR ÉCHANGEUR DE CHALEUR

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Application
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Abstract (en)
The object of the invention is, among others, a tube (1) for a heat exchanger (100) comprising at least one fusible part (20) for assembling with at least one wall of the heat exchanger (100), wherein the tube (1) is a flat tube assembled of two half-plates so that it comprises two flat walls joined along at least two coupling edges (11), wherein the two coupling edges (11) define a general plane (P1), wherein the fusible part (20) protrudes from a coupling edge (11), characterised in that the fusible part (20) comprises a first fuse element (21) adjacent to the coupling edge (11), a second fuse element (22) configured to be fixed to the wall of the heat exchanger (100), a decoupling zone (23) situated between the first fuse element (21) and the second fuse element (22), the decoupling zone (23) comprising a first side parallel to at least one flat wall and a second side perpendicular to the first side, wherein said second fuse element (22) is configured to be separated from the first fuse element (21) by differential in expansion/contraction between said tube (1) and said at least one wall to which it is intended to be fixed, wherein the decoupling zone (23) further comprises at least one notch (99) located on the first side configured to facilitate separation of the second fuse element (22) from the first fuse element (21).

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Citation (search report)
• [X] WO 2019145022 A1 20190801 - VALEO SYSTEMES THERMIQUES [FR]
• [X] WO 2016049776 A1 20160407 - DANA CANADA CORP [CA]

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