

Title (en)

HEAT EXCHANGER WITH PROTECTION DEVICE AND ASSOCIATED MANUFACTURING METHOD

Title (de)

WÄRMETAUSCHER MIT SCHUTZVORRICHTUNG UND ZUGEHÖRIGES HERSTELLUNGSVERFAHREN

Title (fr)

ÉCHANGEUR DE CHALEUR AVEC DISPOSITIF DE PROTECTION ET PROCÉDÉ DE FABRICATION ASSOCIÉ

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Application

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Priority

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Abstract (en)

[origin: WO2018202997A1] The present invention relates to a heat exchanger (1) comprising a bundle of flat tubes (2), said bundle of flat tubes (2) comprising: # a multitude of flat tubes (2) arranged parallel to one another and in a row, said flat tubes (2) including two planar and parallel large sides (21) and two small sides connecting the ends of said large sides (21), said small sides forming the edges (22) of the flat tubes (2); # a plurality of inserts (6) arranged and brazed between the large sides (21) of the flat tubes (2), the inserts (6) having a corrugated profile and projecting from at least one of the edges (22) across the width (N) of the flat tubes (2), the corrugations (60) including: • a first central profile on the large sides (21) of the flat tubes (2), and • a second peripheral profile on at least one of the edges (22) of the flat tubes (2) at least partially covering said edge (22) over the height (H) of the flat tubes (2).

IPC 8 full level

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