

Title (en)

HEAT EXCHANGER WITH IMPROVED CONNECTION OF WAVE SHAPED PACKING ELEMENTS, ASSOCIATED AIR SEPARATION  
INSTALLATION AND MANUFACTURING PROCESS OF THE HEAT EXCHANGER

Title (de)

WÄRMETAUSCHER MIT VERBESSERTER VERBINDUNG DER WELLENFÖRMIGEN PACKUNGSELEMENTE, ANLAGE ZUR  
LUFTZERLEGUNG UND HERSTELLUNGSVERFAHREN DES WÄRMETAUSCHERS

Title (fr)

ECHANGEUR DE CHALEUR À JONCTION D'ONDES AMÉLIORÉE, INSTALLATION DE SÉPARATION D'AIR ASSOCIÉE ET PROCÉDÉ DE  
FABRICATION D'UN TEL ÉCHANGEUR

Publication

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Application

**EP 18720326 A 20180412**

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Abstract (en)

[origin: WO2018197776A1] The invention relates to a heat exchanger (2) for vaporizing a coolant fluid by heat exchange with a calorogenic fluid, said exchanger (2) comprising several parallel plates (4) defining a plurality of passages (17, 18) between them which are suitable for the coolant fluid or calorogenic fluid to flow, a first wave (1) and a second wave (3) extending between two successive plates (4) so as to define a plurality of channels (14, 34) within the same passage (17), said first and second waves (1,3) comprising two adjacent edges (10, 30), at least one assembly member (13) extending from one edge to the other (10, 30) so as to connect the waves (1, 3) to one another. According to the invention, the assembly member (13) is forcibly engaged in at least one part of a channel (14) of the first wave (1) on one hand, and in at least one part of a channel (34) of the second wave (3) on the other hand.

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