

Title (en)
METHOD FOR PRODUCING AT LEAST ONE PLATE HEAT EXCHANGER BY SUPERIMPOSING PLATES WITH ALIGNMENT PATTERNS

Title (de)
HERSTELLUNGSVERFAHREN MINDESTENS EINES PLATTENWÄRMETAUSCHERS DURCH ÜBERLAGERUNG DER PLATTEN MITHILFE VON AUSRICHTUNGSMOTIVEN

Title (fr)
PROCÉDÉ DE FABRICATION D'AU MOINS UN ÉCHANGEUR DE CHALEUR À PLAQUES PAR SUPERPOSITION DE PLAQUES AVEC MOTIFS D'ALIGNEMENT

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Priority
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Abstract (en)
[origin: US2017261272A1] The main subject matter of the invention is a method for manufacturing at least one heat exchanger (50) with plates (10) with at least two fluid circuits, characterised in that it comprises the following steps: a) formation of a plurality of plates (10) each comprising a reference pattern; b) formation of one or more alignment patterns (11) on each plate (10) by circular repetition of the reference pattern around an axis of revolution (X); c) formation of a plurality of grooves (12) on each plate (10). The method further comprises the following successive steps: d) assembling the plates (10) by superimposition with respect to each other, each reference pattern of a plate being superimposed on an alignment pattern (11) of an adjacent plate; e) carrying out an assembly treatment on the assembly obtained at the end of the preceding step d) by diffusion welding, by brazing and/or by diffusion brazing.

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