

Title (en)
ALL-OVER CONNECTION OF HEAT TRANSFORMER BLOCKS BY HYDRAULICALLY EXPANDING TUBES BETWEEN PROFILES

Title (de)
VOLLFLÄCHIGE VERBINDUNG VON WÄRMEÜBERTRAGERBLÖCKEN DURCH HYDRAULISCHES AUFWEITEN VON ROHREN ZWISCHEN PROFILEN

Title (fr)
LIAISON ENTIEREMENT PLATE DE BLOCS D'ECHANGEURS DE CHALEUR PAR ELARGISSEMENT HYDRAULIQUE DE TUBES ENTRE DES PROFILES

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Application
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Abstract (en)
[origin: WO2017157532A1] The invention relates to a plate-type heat exchanger (100) having at least a first and a second heat-transfer block (10a, 10b), wherein each heat-transfer block (10a, 10b) has multiple separating plates (4) which are arranged parallel to one another and form a multiplicity of heat-transfer passages (1) for fluids taking part in the heat transfer, and wherein the heat-transfer blocks (10a, 10b) are outwardly bounded by cover plates (5a, 5b), wherein a first cover plate (5a) of the first heat-transfer block (10a) is secured to an opposite second cover plate (5b) of the second heat-transfer block (10b), wherein according to the invention at least one elongate first profile (11) is secured to the first cover plate (5a), and in that at least one elongate second profile (12) running parallel to the at least one first profile (11) is secured to the second cover plate (5b) such that the two profiles (11, 12) are opposite one another in a direction (R) parallel to the cover plates (5a, 5b), wherein between the two profiles there is an interspace (15) in which an elongate element (13) is arranged in an interference fit with the two profiles (11, 12), such that the two cover plates (5a, 5b) and thus the two heat-transfer blocks (10a, 10b) are secured to one another, wherein the elongate element (13) is designed as a hollow profile. The invention also relates to a corresponding method.

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Citation (search report)
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