

Title (en)

CONNECTING ARRAY AND JOINING ARRAY FOR PLATE HEAT EXCHANGERS

Title (de)

ANSCHLUSSANORDNUNG UND VERBINDUNGSANORDNUNG FÜR PLATTENWÄRMEÜBERTRAGER

Title (fr)

ENSEMBLE DE CONNEXION ET ENSEMBLE DE RACCORDEMENT POUR ÉCHANGEURS DE CHALEUR À PLAQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018171839A1] The problem to be solved by the invention is that of providing a connecting array and joining array for plate heat exchangers in an individual and multiple arrangement, such that a flexible configuration of scalable heat exchanger expansion levels and different types of heat exchangers can be obtained in addition to interconnections of different heat sources and heat sinks and different temperature curves and media flows, which furthermore is reliable, compact and economical in terms of piping. Disclosed is a connecting array and joining array for connecting at least one plate heat exchanger (1) to at least one corresponding peripheral pipework, wherein the plate heat exchanger (1) consists of soldered heat exchanger plates (2) having connecting ducts (3) running transverse to the heat exchanger plates (2), and at least one external plate (5) has connecting holes (4), characterized in that, on the surface around the connecting hole (4) of each external plate (5), in alignment with at least one of the connecting ducts (3) or with at least one of the connecting holes (4), at least one connecting piece (6) is disposed, the connecting piece (6) being clamped together with, or relative to, the plate heat exchanger (1) by means of a clamping device (9).

IPC 8 full level

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CPC (source: EP)

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