

Title (en)

A PLATE HEAT EXCHANGER HAVING REINFORCING MEANS

Title (de)

PLATTENWÄRMETAUSCHER MIT VERSTÄRKUNGSMITTEL

Title (fr)

ÉCHANGEUR DE CHALEUR À PLAQUES DOTÉ DE MOYENS DE RENFORT

Publication

EP 3047224 A1 20160727 (EN)

Application

EP 14784404 A 20140917

Priority

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- EP 2014069807 W 20140917

Abstract (en)

[origin: WO2015040065A1] A brazed plate heat exchanger (100) comprises a number of heat exchanger plates (120, 130, 140, 150) stacked in a stack and being provided with a pressed pattern of ridges (R) and grooves (G) adapted to keep the heat exchanger plates (120, 130, 140, 150) in the stack on a distance from one another by crossing points between the ridges (R) and grooves (G) of neighboring plates. Hence, interplate flow channels are formed, said flow channels being in selective fluid communication with port openings (A, B, C, D) such that fluids to exchange heat can flow from one port opening to another through the interplate flow channels under heat exchange with a fluid flowing through a neighboring interplate flow channel. The plate heat exchanger further comprises an end plate (110) which is provided with at least one reinforcement groove (111; 112; 113). The at least one reinforcement groove (111; 112; 113) is a groove pressed in the end plate, wherein the at least one reinforcement groove (111; 112; 113) is pressed towards the neighboring heat exchanger plate (120) and wherein a reinforcement pattern (121; 122) adapted to house the at least one reinforcement groove (111; 112; 113) of the end plate (110) is arranged in the heat exchanger plate (120) neighboring the end plate (110).

IPC 8 full level

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CPC (source: EP SE)

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Citation (search report)

See references of WO 2015040065A1

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