

Title (en)

A BRAZED PLATE HEAT EXCHANGER AND USE THEREOF

Title (de)

HARTGELÖTETER PLATTENWÄRMETAUSCHER UND DESSEN VERWENDUNG

Title (fr)

ÉCHANGEUR DE CHALEUR À PLAQUES BRASÉES ET SON UTILISATION

Publication

EP 4097413 A1 20221207 (EN)

Application

EP 21705649 A 20210129

Priority

- SE 2050094 A 20200130
- SE 2021050067 W 20210129

Abstract (en)

[origin: WO2021154152A1] A brazed plate heat exchanger (100) comprising a plurality of first and second heat exchanger plates (110, 120), wherein the first heat exchanger plates (110) are formed with a first pattern of ridges and grooves, and the second heat exchanger plates (120) are formed with a second pattern of ridges and grooves providing contact points between at least some crossing ridges and grooves of neighbouring plates under formation of interplate flow channels for fluids to exchange heat, said interplate flow channels being in selective fluid communication through port openings. The first pattern of ridges and grooves is different from the second pattern of ridges and grooves, so that an interplate flow channel volume on one side of the first heat exchanger plates (110) is different from an interplate flow channel volume on the opposite side of the first heat exchanger plates (110), and at least some of the ridges and grooves of the first pattern extend in a first angle (β_1) and at least some of the ridges and grooves of the second pattern extend in a second angle (β_2) different from the first angle (β_1).

IPC 8 full level

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CPC (source: EP SE US)

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Citation (examination)

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- EP 0088316 B1 19890426
- GB 1211065 A 19701104 - ALFA LAVAL AB [SE]
- See also references of WO 2021154152A1

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