

Title (en)
PLATE-FIN HEAT EXCHANGER

Title (de)
PLATTEN-RIPPEN-WÄRMEÜBERTRAGER

Title (fr)
ECHANGEUR DE CHALEUR À AILETTES-PLAQUES

Publication
EP 4343254 A1 20240327 (EN)

Application
EP 22196555 A 20220920

Priority
EP 22196555 A 20220920

Abstract (en)
The disclosure relates to a heat exchanger (100) comprising a stack of heat exchanger plates (102), a first set of channels (302), and a second set of channels (304), in each of the channels in the first and second set of channels (302, 304) fin structures (210) are positioned between the heat exchanger plates (202), in a first channel of the first set of channels (302), a first fin structure (210a) comprises at least a first and a second part (210a1-2), in a first channel of the second set of channels (304), the first channel of the second set of channels (304) being a neighbouring channel to the first channel of the first set of channels (302), a second fin structure (210b) comprises at least a first and a second part (210b1-2), an interface between the first and second parts (210a1-2) of the first fin structure (210a) extends across the fin direction (FD) and is positioned at a first position (P1), an interface between the first and second parts (210b1-2) of the second fin structure (210b) extends across the fin direction (FD) and is positioned at a second position (P2), and the first and second position are separated a distance (DP) from each other.

IPC 8 full level
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CPC (source: EP)
F28D 9/0068 (2013.01); **F28D 9/0075** (2013.01); **F28F 3/025** (2013.01)

Citation (applicant)
KR 102252170 B1 20210514 - DONGHWA ENTEC CO LTD [KR]

Citation (search report)
• [A] US 2566310 A 19510904 - BURNS JAMES A, et al
• [A] US 2010139900 A1 20100610 - THOMPSON RANDY [US]
• [A] US 3992168 A 19761116 - TOYAMA AKIRA, et al
• [A] JP S54114866 U 19790811

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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