

Title (en)
PLATE HEAT EXCHANGER AND METHOD FOR PRODUCING SAME

Title (de)
PLATTENWÄRMETAUSCHER UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
ÉCHANGEUR DE CHALEUR À PLAQUES ET SON PROCÉDÉ DE PRODUCTION

Publication
EP 3141860 A1 20170315 (EN)

Application
EP 16186933 A 20160902

Priority
EP 15185125 A 20150914

Abstract (en)
A plate heat exchanger comprises a stack (10) of rectangular heat transfer plates (1), wherein each rectangular heat transfer plate (1) comprises a circumference with four circumference edges (21) arranged at the circumference of the rectangular heat transfer plate (1), a rectangular heat transfer wall (2) extending between the circumference edges (21) of the heat transfer plate (1), the rectangular heat transfer wall (2) defining a plane and comprising a circumference portion (22) extending to the circumference edge (21) in the plane of the heat transfer wall (2), and the heat transfer plate (1) further comprises at least two folded parts (3) arranged at the circumference of the heat transfer plate (1) and extending from the heat transfer wall (2) over the circumference edge (21) of the heat transfer plate (1), the folded parts (3) contacting the heat transfer wall (2) for forming spacer elements. Two opposite folded parts (4) are folded towards a same side of the plane of the rectangular heat transfer wall (2), or at least two adjacent folded parts (4) of the rectangular heat transfer wall (2) are each folded towards opposite sides of the plane of the rectangular heat transfer wall (2) with respect to the adjacent folded part (3). Pairs of heat transfer plates (1) are arranged so that each folded part (4) of one heat transfer plate (1) is in contact over the entire length of the corresponding circumference edge (21) either with a folded part (4) of an adjacent heat transfer plate (1) or with a circumference portion (22) of the heat transfer wall (2) of an adjacent heat transfer plate (1).

IPC 8 full level
F28D 9/00 (2006.01); **F28F 3/10** (2006.01)

CPC (source: EP US)
F28D 9/0037 (2013.01 - EP US); **F28D 21/0003** (2013.01 - US); **F28F 3/044** (2013.01 - US); **F28F 3/046** (2013.01 - US); **F28F 3/10** (2013.01 - EP US)

Citation (applicant)
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CN109489466A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3141860 A1 20170315; US 2017074594 A1 20170316

DOCDB simple family (application)
EP 16186933 A 20160902; US 201615264139 A 20160913