Title (en)
Heat exchanger, heat exchanger plate, and method for producing a heat exchanger

Title (de)
Wärmetauscher, Wärmetauscherplatte und Verfahren zum Herstellen eines Wärmetauschers

Title (fr)
Échangeur de chaleur, plaque d'échangeur de chaleur et procédé de fabrication d'un échangeur de chaleur

Publication
EP 2618089 A3 20140709 (EN)

Application
EP 13000056 A 20130108

Priority
DK PA201200066 A 20120123

Abstract (en)
[origin: EP2618089A2] A heat exchanger is provided comprising a stack of a plurality of pairs of heat exchanger plates (1,a, 1b, 1c) formed of sheet metal having a three-dimensional structured pattern, a first flow path being defined within the plurality of pairs and a second flow path being defined between said pairs, each plate having at least one through-opening. It is intended to have a solid connection between adjacent heat exchanger plates. To this end at least one auxiliary opening is provided in said plate (1a, 1b, 1c), said auxiliary opening having a raised edge forming a flange (11, 13, 14), said flange (11, 13, 14) being inserted into a corresponding auxiliary opening of a neighbouring plate.

IPC 8 full level
F28D 9/00 (2006.01)

CPC (source: EP)
F28D 9/005 (2013.01); **F28F 3/044** (2013.01); F28F 2225/04 (2013.01)

Citation (search report)
- [Y] US 6161615 A 20001219 - BRIEDEN THOMAS [DE], et al
- [Y] WO 2010069872 A1 20100624 - SWEP INT AB [SE], et al
- [Y] US 6182746 B1 20010206 - WIESE MANFRED [DE]
- [X] FR 2426879 A1 19791221 - BEDUE ABEL [FR]
- [A] WO 2009112031 A2 20090917 - DANFOSS AS [DK], et al
- [A] WO 2004040224 A1 20040513 - EP TECHNOLOGY AB [SE], et al

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 2618089 A2 20130724; **EP 2618089 A3 20140709**; **EP 2618089 B1 20181219**; CN 103217032 A 20130724; CN 103217032 B 20151202; DK 2618089 T3 20190318; RU 2013102012 A 20140727; RU 2527776 C1 20140910

DOCDB simple family (application)
EP 13000056 A 20130108; CN 201310024559 A 20130123; DK 13000056 T 20130108; RU 2013102012 A 20130117