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 2631585 A3 20150311 (EN)

Application
EP 13000055 A 20130108

Priority
DK PA201200065 A 20120123

Abstract (en)

[origin: EP2631585A2] A heat exchanger is provided comprising a plurality of pairs of heat exchanger plates (1a) formed of sheet metal having a three-dimensional structured pattern, a first flow path being defined within the plurality of said pairs and a second flow path being defined between said pairs, each plate (1a) having at least one through-opening. It is intended to have a solid connection between adjacent heat exchanger plates (1a, 1b, 1c) in the area of the through-opening. To this end said through-opening is surrounded by tongues (10, 12, 13) cut from the area of the through-opening and bend out, wherein the tongues (10, 12) of one plate (1a, 1b) are inserted into the through-opening of a neighbouring plate (1b, 1c).

IPC 8 full level
F28F 3/04 (2006.01); **B21D 53/04** (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP)
B21D 53/04 (2013.01); **F28D 9/005** (2013.01); **F28F 3/044** (2013.01); F28F 2225/00 (2013.01)

Citation (search report)
- [XI] GB 2026676 A 19800206 - PIEMONTESE RADIATORI
- [X] WO 2010069872 A1 20100624 - SWEP INT AB [SE], et al
- [X] WO 9830855 A1 19980716 - LONG MFG LTD [CA]
- [X] FR 2428809 A1 19800111 - PIEMONTESE RADIATORI [IT]

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 2631585 A2 20130828; **EP 2631585 A3 20150311**; **EP 2631585 B1 20180801**; CN 103217031 A 20130724; CN 103217031 B 20160316; ES 2698099 T3 20190131; RU 2013102013 A 20140727; RU 2523080 C1 20140720

DOCDB simple family (application)
EP 13000055 A 20130108; CN 201310024408 A 20130123; ES 13000055 T 20130108; RU 2013102013 A 20130117