

Title (en)
BRAZED HEAT EXCHANGER

Title (de)
GELÖTETER WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR THERMIQUE BRASÉ

Publication
EP 3129737 A4 20171227 (EN)

Application
EP 15777383 A 20150408

Priority
• DE 102014005149 A 20140408
• US 2015024838 W 20150408

Abstract (en)
[origin: US2015285572A1] A brazed heat exchanger having a stack of heat exchanger plates, each with an inflow hole and an outflow hole, that are arranged such that closed and open flow ducts for different media alternate in a stack direction. In the open flow ducts are two endpieces with a hole whose edge extends around the inflow hole or around the outflow hole respectively. The endpieces are deformed metal sheets with corrugations that form ducts. The metal sheets include flow openings for the medium flowing through the open flow ducts. The hole edges are deformed and have a height approximately corresponding to a height of the open flow duct, and are arranged close to a rim hole of the inflow hole or of the outflow hole.

IPC 8 full level
F28F 3/02 (2006.01); **F28D 9/00** (2006.01); **F28D 21/00** (2006.01); **F28F 3/04** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP US)
F28D 9/0006 (2013.01 - EP US); **F28D 9/0043** (2013.01 - EP US); **F28F 3/025** (2013.01 - US); **F28F 3/027** (2013.01 - EP US); **F28F 3/042** (2013.01 - EP US); **F28F 9/268** (2013.01 - US); **F28F 21/089** (2013.01 - EP US); **F28D 2021/0049** (2013.01 - EP US); **F28F 2275/04** (2013.01 - EP US)

Citation (search report)
• [X] DE 10048212 A1 20010405 - DENSO CORP [JP]
• See references of WO 2015157368A1

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

DOCDB simple family (publication)
US 2015285572 A1 20151008; BR 112016022863 A2 20180703; CN 105229403 A 20160106; CN 105229403 B 20171024; DE 102014005149 A1 20151008; DE 102014005149 B4 20160121; EP 3129737 A1 20170215; EP 3129737 A4 20171227; MX 2016013266 A 20170118; WO 2015157368 A1 20151015

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US 201514681283 A 20150408; BR 112016022863 A 20150408; CN 201580000776 A 20150408; DE 102014005149 A 20140408; EP 15777383 A 20150408; MX 2016013266 A 20150408; US 2015024838 W 20150408