

Title (en)
PLATE HEAT EXCHANGER

Title (de)
PLATTENWÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR À PLAQUES

Publication
EP 2772718 B1 20190515 (EN)

Application
EP 12843569 A 20121023

Priority
• JP 2011233098 A 20111024
• JP 2012077362 W 20121023

Abstract (en)
[origin: EP2772718A1] Heat transfer plates are stacked, each being provided with a plurality of passage holes, a flow-path forming gasket is interposed between peripheries of each adjacent ones of the heat transfer plates, thereby alternately forming a first flow path to pass a high-temperature fluid, a second fluid to pass a low-temperature fluid, and communicating paths to cause the fluids to flow in and out of the first flow path and the second flow path on opposite sides of each heat transfer plate, and communicating-path forming gaskets surrounding the passage holes are interposed between adjacent ones of the heat transfer plates, thereby forming a communicating path to cause a fluid to flow in and out of the first flow path and a communicating path to cause a fluid to flow in and out the second flow path. Each communicating-path forming gasket is made up of inner and outer gasket members arranged in two lines, the inner gasket member surrounding the passage holes while the outer gasket member surrounding the inner gasket member.

IPC 8 full level
F28F 3/10 (2006.01); **F28F 3/04** (2006.01); **F28F 3/08** (2006.01); **F28F 11/00** (2006.01)

CPC (source: EP US)
F28D 9/005 (2013.01 - EP US); **F28D 9/0062** (2013.01 - US); **F28F 3/08** (2013.01 - US); **F28F 3/083** (2013.01 - EP US); **F28F 3/10** (2013.01 - EP US); **F28F 3/042** (2013.01 - EP US); **F28F 2275/205** (2013.01 - EP US)

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)
EP 2772718 A1 20140903; **EP 2772718 A4 20150729**; **EP 2772718 B1 20190515**; CN 103946663 A 20140723; CN 103946663 B 20160629; JP 6097696 B2 20170315; JP WO2013061966 A1 20150402; US 2014338870 A1 20141120; WO 2013061966 A1 20130502

DOCDB simple family (application)
EP 12843569 A 20121023; CN 201280048896 A 20121023; JP 2012077362 W 20121023; JP 2013540787 A 20121023; US 201214354120 A 20121023