

Title (en)
Asymmetric plate heat exchanger

Title (de)
Plattenwärmetauscher in asymmetrischer Ausführung

Title (fr)
Echangeur thermique à plaques conçu de manière asymétrique

Publication
EP 2674718 A3 20150826 (DE)

Application
EP 13172071 A 20130614

Priority
DE 102012105144 A 20120614

Abstract (en)
[origin: EP2674718A2] The heat exchanger has heat transfer plates (1) that are provided with a meander-shaped profile (2). The frustums of the pyramids (3) are protruded from a plate plane (4). A base section (5) is arranged between the frustums of pyramids and plate plane. The passages having different flow volume are formed by adjacently staking the heat transfer plates. The heat transfer fluid is flowed through the passages. The base portion of upper heat transfer plate is located under the frustums of pyramids of heat transfer plate.

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

CPC (source: EP)
F28D 9/0043 (2013.01); **F28F 3/044** (2013.01)

Citation (search report)

- [XY] EP 1739379 A2 20070103 - XENESYS INC [JP]
- [XY] EP 1684044 A2 20060726 - XENESYS INC [JP]
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- [A] JP 2000193390 A 20000714 - DAIKIN IND LTD
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US10321703B2; WO2016005109A1

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 2674718 A2 20131218; EP 2674718 A3 20150826; EP 2674718 B1 20181003; DE 102012105144 A1 20131219;
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