

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 3572753 A1 20191127 (EN)

Application
EP 18461559 A 20180524

Priority
EP 18461559 A 20180524

Abstract (en)
A heat exchanger (1) comprises a core (2) defining first and second fluid circuits. The first fluid circuit includes one flow section (C) and the second fluid circuit is divided into three flow sections (R1, R2, R3). The flow sections are defined by a plurality of flow passages (5). A direction of flow in the first and third flow sections (R1, R3) is opposite to a direction of flow in the one flow section (C) of the first fluid circuit and a direction of flow in the second flow section (R2) is the same as the direction of flow in the one flow section (C) of the first fluid circuit. A number NR3 of the flow passages (5) of the third flow section (R3) is greater than a number NR2 of the flow passages (5) of the second flow section (R2) and the number NR3 of the flow passages (5) of the third flow section (R3) is smaller than or equal to a number NR1 of the flow passages (5) in the first flow section (R1).

IPC 8 full level
F28D 9/00 (2006.01)

CPC (source: EP)
F28D 9/0093 (2013.01)

Citation (applicant)

- DE 102016001607 A1 20161103 - MODINE MFG CO [US]
- US 2017122669 A1 20170504 - TAKAHASHI EIZO [JP]
- US 2016010929 A1 20160114 - TAKAHASHI EIZO [JP], et al
- US 2015226469 A1 20150813 - HOFMANN HERBERT [DE], et al
- US 2013213624 A1 20130822 - FUJII TAKAYUKI [JP], et al

Citation (search report)

- [A] DE 102012223722 A1 20130627 - BEHR GMBH & CO KG [DE]
- [A] WO 2014184323 A1 20141120 - BEHR GMBH & CO KG [DE]
- [A] WO 2014044520 A1 20140327 - BEHR GMBH & CO KG [DE]
- [A] WO 2008061362 A1 20080529 - DANA CANADA CORP [CA], 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)
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EP 18461559 A 20180524; EP 2019062257 W 20190514