

Title (en)

Distribution device and heat exchange device

Title (de)

Verteileinrichtung und Wärmetauschervorrichtung

Title (fr)

Dispositif de répartition et dispositif d'échangeur de chaleur

Publication

EP 2472211 A3 20150107 (DE)

Application

EP 11009614 A 20111206

Priority

- DE 102010064405 A 20101230
- DE 102011013340 A 20110308

Abstract (en)

[origin: EP2472211A2] The distribution device (1) comprises a guide plate with a guide section (2) and an adjacent distribution section (3). The openings (8,9) for passing the fluid are formed in the regions of the distribution section. The guide section and the distribution section are arranged perpendicular to each other. The L-profile side plates are arranged in the front sides of the guide section and distribution section. An independent claim is included for heat exchanger assembly.

IPC 8 full level

F28F 9/02 (2006.01); **F28D 3/04** (2006.01)

CPC (source: EP US)

F28D 3/04 (2013.01 - EP US); **F28F 9/026** (2013.01 - EP US); **F28F 9/0265** (2013.01 - EP US); **Y10T 137/8593** (2015.04 - EP US)

Citation (search report)

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- [X] US 5465783 A 19951114 - O'CONNOR TIMOTHY J [US]
- [X] FR 2175757 A1 19731026 - WIEGAND KARLSRUHE GMBH [DE]
- [A] EP 0153974 A1 19850911 - KLEMENS WATERKOTTE
- [A] US 5645124 A 19970708 - HARTFIELD JON P [US], et al
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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 2472211 A2 20120704; EP 2472211 A3 20150107; EP 2472211 B1 20181107; AU 2012200007 A1 20120719; AU 2012200007 A8 20160121; AU 2012200007 B2 20150820; CN 102538560 A 20120704; CN 102538560 B 20150826; DE 102011013340 A1 20120705; ES 2710552 T3 20190425; JP 2012141126 A 20120726; JP 5971941 B2 20160817; US 2012175091 A1 20120712; US 9157690 B2 20151013

DOCDB simple family (application)

EP 11009614 A 20111206; AU 2012200007 A 20120103; CN 201110457165 A 20111227; DE 102011013340 A 20110308; ES 11009614 T 20111206; JP 2011285531 A 20111227; US 201113338728 A 20111228