

Title (en)

Refrigerant distributor for heat exchanger and heat exchanger

Title (de)

Kühlmittelverteiler für Wärmetauscher und Wärmetauscher

Title (fr)

Distributeur réfrigérant pour échangeur thermique et échangeur thermique

Publication

EP 2236973 A3 20140423 (EN)

Application

EP 10003133 A 20100324

Priority

CN 200910127918 A 20090325

Abstract (en)

[origin: EP2236973A2] A refrigerant distributor for a heat exchanger is disclosed. The distributor comprises: a pipe having an inlet disposed generally at one end of the pipe, refrigerant flowing into the pipe through the inlet. A cross-section of a flow passage within the pipe gradually decreases from the one end to the other end of the pipe. With the above configuration, the refrigerant can be distributed relatively uniformly.

IPC 8 full level

F28F 9/02 (2006.01); **F25B 39/02** (2006.01)

CPC (source: EP US)

F25B 39/028 (2013.01 - EP US); **F28F 9/0273** (2013.01 - EP US)

Citation (search report)

- [X] WO 9414021 A1 19940623 - MULTISTACK INT LTD [AU], et al
- [X] EP 1798506 A2 20070620 - BEHR GMBH & CO KG [DE]
- [X] DE 3310236 A1 19840927 - AUTOKUEHLER GES MBH [DE]
- [X] JP H05264126 A 19931012

Cited by

FR3059408A1; FR3059407A1; CN110214257A; US11713931B2; US11162735B2; WO2018100301A1; WO2015099872A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2236973 A2 20101006; **EP 2236973 A3 20140423**; **EP 2236973 B1 20160518**; CN 101788242 A 20100728; US 2010242535 A1 20100930

DOCDB simple family (application)

EP 10003133 A 20100324; CN 200910127918 A 20090325; US 73202710 A 20100325