

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 2982924 A1 20160210 (EN)

Application
EP 15159508 A 20150317

Priority
JP 2014159579 A 20140805

Abstract (en)
There is disclosed a microtube type heat exchanger which can suppress a pressure loss in a refrigerant inlet pipe, suitably distribute a refrigerant and further enlarge a heat exchange area. In an evaporator 4 (the heat exchanger), both ends of a plurality of microtubes 13 are communicated with each other by a pair of distributors 11 and 12, and carbon dioxide is used as a refrigerant, the heat exchanger comprises a refrigerant inlet pipe 17 connected to the distributor 11, and the distributor 11 is allowed to communicate with the refrigerant inlet pipe 17 by a plurality of passages 21A.

IPC 8 full level
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CPC (source: EP)
F25B 39/028 (2013.01); **F28D 1/05391** (2013.01); **F28F 9/0275** (2013.01); **F28F 1/126** (2013.01)

Citation (applicant)
JP 2008292022 A 20081204 - DENSO CORP

Citation (search report)
• [X1] EP 1640682 A1 20060329 - SAMSUNG ELECTRONICS CO LTD [KR]
• [X1] DE 19515527 A1 19961031 - THERMAL WERKE BETEILIGUNGEN GM [DE]
• [X1] US 2008190134 A1 20080814 - KHATIB NAZIH M [US], et al
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US2022357115A1; US2018058763A1; US10794634B2

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

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