

Title (en)  
DOUBLE-PIPE HEAT EXCHANGER, HEAT EXCHANGE SYSTEM PROVIDED WITH SAME, AND METHOD FOR ASSEMBLING DOUBLE-PIPE HEAT EXCHANGER

Title (de)  
DOPPELROHR-WÄRMETAUSCHER, DAMIT AUSGESTATTETES WÄRMETAUSCHERSYSTEM UND VERFAHREN ZUM ZUSAMMENBAU EINES DOPPELROHR-WÄRMETAUSCHERS

Title (fr)  
ÉCHANGEUR DE CHALEUR À DOUBLE TUBE, SYSTÈME D'ÉCHANGE DE CHALEUR LE COMPRENANT ET PROCÉDÉ D'ASSEMBLAGE D'UN ÉCHANGEUR DE CHALEUR À DOUBLE TUBE

Publication  
**EP 3447426 A2 20190227 (EN)**

Application  
**EP 18190764 A 20180824**

Priority  
• JP 2017161271 A 20170824  
• JP 2017162664 A 20170825

Abstract (en)  
Provided is a double-pipe heat exchanger (30) that includes an inner pipe (31) including a plurality of plate fins (31a) and a refrigerant pipe (31b) which allows a condensed refrigerant to flow therethrough, an outer pipe (32) which allows an evaporated refrigerant to flow therethrough, and a plurality of partition plates (33) which are arranged in contact with an inner circumferential surface (32e) of the outer pipe (32) and which partition an inner space (S) of the outer pipe (32) into a plurality of divided spaces (S1, S2, S3, S4, S5), wherein the inner pipe (31) is arranged inside the outer pipe (32), the partition plates (33) each have formed therein an opening portion (33a) via which a pair of adjacent divided spaces are connected to each other, a partition plate (33) having the opening portion (33a) formed in an area excluding a vertically lower end of the inner space (S), has formed therein a cutout portion (33c) via which a pair of adjacent divided spaces that are connected, at the lower end, to each other, and the cutout portion (33c) has an opening area smaller than that of the opening portion (33a).

IPC 8 full level  
**F28D 7/10** (2006.01); **F25B 39/00** (2006.01); **F28F 1/24** (2006.01); **F28F 1/30** (2006.01); **F28F 9/22** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP)  
**F28D 7/10** (2013.01); **F28D 7/106** (2013.01); **F28D 7/1607** (2013.01); **F28F 1/24** (2013.01); **F28F 1/30** (2013.01); **F28F 9/22** (2013.01); **F28D 2021/0068** (2013.01); **F28F 2009/226** (2013.01)

Citation (applicant)  
JP H0742406 U 19950804

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 3447426 A2 20190227**; **EP 3447426 A3 20190619**

DOCDB simple family (application)  
**EP 18190764 A 20180824**