

Title (en)  
HEAT EXCHANGER AND AIR CONDITIONER

Title (de)  
WÄRMETAUSCHER UND KLIMAANLAGE

Title (fr)  
ÉCHANGEUR DE CHALEUR ET CLIMATISEUR

Publication  
**EP 3425321 A4 20190220 (EN)**

Application  
**EP 17759597 A 20170209**

Priority  
• JP 2016038327 A 20160229  
• JP 2017004744 W 20170209

Abstract (en)  
[origin: EP3425321A1] Provided is a heat exchanger comprising a connection pipe having a connection pipe body. The connection pipe body is configured such that: a first end of the pipe body is connected to the outer peripheral surface of a first header (52) so as to be in communication with the inner space of the first header (52) ; a second end of the pipe body, the second end being located on the side opposite the first end, is connected to the outer peripheral surface of a second header (53) so as to be in communication with the inner space of the second header (53); and the opening of the second end is in contact with a partition plate (60) within the second header to cause the opening of the second end to be mounted to bridge two regions separated by the partition plate (60) within the second header.

IPC 8 full level  
**F28F 9/02** (2006.01); **F25B 39/02** (2006.01); **F28D 1/053** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP)  
**F25B 39/02** (2013.01); **F28D 1/05391** (2013.01); **F28F 1/022** (2013.01); **F28F 1/025** (2013.01); **F28F 9/0204** (2013.01); **F28F 9/0209** (2013.01); **F28F 9/0265** (2013.01); **F28F 9/027** (2013.01); **F28D 2021/0068** (2013.01); **F28F 2250/06** (2013.01)

Citation (search report)  
• [Y] JP 2015055404 A 20150323 - DAIKIN IND LTD  
• [Y] JP H0829091 A 19960202 - SHARP KK  
• [Y] JP 2007333311 A 20071227 - CALSONIC KANSEI CORP  
• [A] WO 2009048451 A1 20090416 - CARRIER CORP [US], et al  
• See references of WO 2017150126A1

Cited by  
EP3922941A4; WO2022069528A1

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 3425321 A1 20190109; EP 3425321 A4 20190220; EP 3425321 B1 20210127**; JP 2017155989 A 20170907; JP 6145189 B1 20170607; WO 2017150126 A1 20170908

DOCDB simple family (application)  
**EP 17759597 A 20170209**; JP 2016038327 A 20160229; JP 2017004744 W 20170209