

Title (en)  
AIR CONDITIONER INDOOR UNIT

Title (de)  
KLIMAANLAGENINNENRAUMEINHEIT

Title (fr)  
UNITÉ INTÉRIEURE DE CLIMATISEUR

Publication  
**EP 3101353 A4 20170517 (EN)**

Application  
**EP 15743820 A 20150106**

Priority  
• JP 2014015377 A 20140130  
• JP 2015050130 W 20150106

Abstract (en)  
[origin: EP3101353A1] An air conditioner indoor unit has a first refrigerant tubing (5, 7) of which one end part is connected to an indoor heat exchanger (2) and that is formed of aluminum or an aluminum alloy, a second refrigerant tubing (6, 8) of which one end part is connected to the other end part of the first refrigerant tubing (5, 7) and that is formed of copper or a copper alloy, and a flare union (9, 10) connected to the other end part of the second refrigerant tubing (6, 8). The connection between the other end part of the first refrigerant tubing (5, 7) and the one end part of the second refrigerant tubing (6, 8) is between an end at the flare union (9, 10) side of a bend section (5b, 7b) of the first refrigerant tubing (5, 7) and the end at the flare union (9, 10) side of the second refrigerant tubing (6, 8). As a result, it is possible to prevent the occurrence of large torsional stress and bending stress at the connection.

IPC 8 full level  
**F24F 1/0071** (2019.01); **F24F 1/32** (2011.01)

CPC (source: EP US)  
**F24F 1/0057** (2019.01 - EP); **F24F 1/0071** (2019.01 - EP US); **F24F 1/32** (2013.01 - EP)

Citation (search report)  
• [Y] EP 2423609 A2 20120229 - MITSUBISHI ELECTRIC CORP [JP]  
• [Y] JP 2002156134 A 20020531 - HITACHI LTD  
• [Y] EP 2620736 A2 20130731 - MITSUBISHI ELECTRIC CORP [JP]  
• [Y] EP 2439478 A2 20120411 - LLOYD COILS EUROP S R O [CZ]  
• [A] JP 2005055081 A 20050303 - MATSUSHITA ELECTRIC IND CO LTD  
• See references of WO 2015115127A1

Cited by  
US2018283703A1; EP3722686A4

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

DOCDB simple family (publication)  
**EP 3101353 A1 20161207; EP 3101353 A4 20170517; EP 3101353 B1 20180711**; AU 2015212207 A1 20160811; AU 2015212207 B2 20160922; CN 105917173 A 20160831; CN 105917173 B 20170630; ES 2678749 T3 20180817; JP 2015140998 A 20150803; JP 5861723 B2 20160216; WO 2015115127 A1 20150806

DOCDB simple family (application)  
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