

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 3722686 A1 20201014 (EN)**

Application  
**EP 18886031 A 20181128**

Priority  
• JP 2017233170 A 20171205  
• JP 2018043793 W 20181128

Abstract (en)  
An air conditioner in which galvanic corrosion of a connecting portion connecting pipes made of different types of metals can be easily reduced is provided. The air conditioner includes an outdoor unit having an outdoor heat exchanger; an indoor unit (20) having an indoor heat exchanger (25) and an indoor fan (28) that supplies air to the indoor heat exchanger; and a gas-refrigerant connection pipe (GP) and a liquid-refrigerant connection pipe (LP) that connect the outdoor unit and the indoor unit to each other. The air conditioner performs air-conditioning of a space to be air conditioned, in which the indoor unit is disposed, by circulating refrigerant in a refrigerant circuit including the outdoor heat exchanger, the indoor heat exchanger, and the connection pipes (GP, LP). The refrigerant circuit includes refrigerant pipes (21, 22) made of a metal material, the connection pipes (GP, LP) made of a metal material of a type different from a type of the metal material of the refrigerant pipes (21, 22), and connecting portions (21a, 22a) between the refrigerant pipes (21, 22) and the connection pipes (GP, LP). The connecting portions are disposed in an unventilated space (90).

IPC 8 full level  
**F24F 1/0326** (2019.01); **F24F 13/20** (2006.01); **F25B 41/00** (2006.01)

CPC (source: EP US)  
**F24F 1/0068** (2019.01 - EP); **F24F 1/32** (2013.01 - EP); **F24F 13/20** (2013.01 - EP US); **F25B 41/00** (2013.01 - US); **F25B 41/40** (2021.01 - EP); **F24F 1/0047** (2019.01 - US); **F24F 1/0326** (2019.01 - EP); **F25B 13/00** (2013.01 - EP); **F25B 39/02** (2013.01 - EP); **F25B 39/04** (2013.01 - EP); **F25B 2313/02741** (2013.01 - US)

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 3722686 A1 20201014**; **EP 3722686 A4 20210825**; AU 2018380495 A1 20200709; AU 2018380495 B2 20210520; CN 111448424 A 20200724; CN 111448424 B 20211015; JP 2019100643 A 20190624; JP 6673318 B2 20200325; US 2021231343 A1 20210729; WO 2019111783 A1 20190613

DOCDB simple family (application)  
**EP 18886031 A 20181128**; AU 2018380495 A 20181128; CN 201880078660 A 20181128; JP 2017233170 A 20171205; JP 2018043793 W 20181128; US 201816769101 A 20181128