

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 2631550 A1 20130828 (EN)**

Application  
**EP 11830781 A 20111007**

Priority  
• JP 2010228647 A 20101008  
• JP 2011073242 W 20111007

Abstract (en)  
To improve heating performance almost without the feeling of draft. An air conditioner (1) comprises an indoor unit (2) and an outdoor unit (3) coupled to the indoor unit via a refrigerant circuit. The indoor unit (2) includes: a heat exchanger (20) and a radiation panel (22) each having a part of pipes constituting the refrigerant circuit; and a fan (21) disposed in the vicinity of the heat exchanger (20). The air conditioner (1) is capable of: a hot-air heating operation for performing hot-air heating by introducing a refrigerant into the heat exchanger (20), not into the radiation panel (22); a radiation heating operation for performing the hot-air heating by introducing the refrigerant into the heat exchanger (20) and performing radiation heating by introducing the refrigerant into the radiation panel (22); and a radiation breeze heating operation for performing the hot-air heating by introducing the refrigerant into the heat exchanger (20) and performing the radiation heating by introducing the refrigerant into the radiation panel (22), while reducing the amount of air blown by the fan (21) less than in the radiation heating operation and the hot-air heating operation.

IPC 8 full level  
**F24F 11/02** (2006.01); **F24F 1/00** (2011.01); **F24F 11/76** (2018.01)

CPC (source: EP US)  
**F24F 11/83** (2017.12 - EP); **F24F 11/84** (2017.12 - EP US); **F24F 11/30** (2017.12 - EP); **F24F 2110/10** (2017.12 - EP);  
**F24F 2110/12** (2017.12 - EP)

Cited by  
EP3141824A4

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 2631550 A1 20130828; EP 2631550 A4 20180307**; AU 2011313172 A1 20130523; AU 2011313172 B2 20150507;  
CN 103154621 A 20130612; CN 103154621 B 20160224; JP 2012083011 A 20120426; WO 2012046850 A1 20120412

DOCDB simple family (application)  
**EP 11830781 A 20111007**; AU 2011313172 A 20111007; CN 201180048623 A 20111007; JP 2010228647 A 20101008;  
JP 2011073242 W 20111007