

Title (en)

Air conditioner and method for controlling the same

Title (de)

Klimaanlage und Verfahren zum Steuern derselben

Title (fr)

Installation de climatisation d'air et procédé de commande de celle-ci

Publication

EP 2015005 A3 20110921 (EN)

Application

EP 08012385 A 20080709

Priority

JP 2007183300 A 20070712

Abstract (en)

[origin: EP2015005A2] There is disclosed an air conditioner having an outdoor unit (A) and plural indoor units (a,b) connected by refrigerant pipes. The plural indoor units (a,b) include a first unit having an expansion valve (5) and a heat exchanger (4) incorporated therein, and a second indoor unit having a heat exchanger (4) incorporated therein. A decompression device including an expansion valve (6) and an on-off valve (7) is connected at the middle of the outward and inward refrigerant pipes connecting the second indoor unit (b) with the outdoor unit (A). This makes it possible to connect different types of indoor units, namely, the first indoor units (a) having the decompression device (5) incorporated therein and the second indoor units having no decompression device incorporated therein.

IPC 8 full level

F25B 13/00 (2006.01); **F24F 11/02** (2006.01); **F25B 1/00** (2006.01); **F25B 5/02** (2006.01); **F25B 41/04** (2006.01); **F25B 45/00** (2006.01)

CPC (source: EP US)

F25B 13/00 (2013.01 - EP US); **F25B 45/00** (2013.01 - EP); **F24F 11/54** (2017.12 - EP); **F25B 2313/0233** (2013.01 - EP); **F25B 2313/02741** (2013.01 - EP); **F25B 2400/19** (2013.01 - EP); **F25B 2600/2513** (2013.01 - EP); **F25B 2600/2519** (2013.01 - EP)

Citation (search report)

- [X] GB 2194651 A 19880309 - TOSHIBA KK
- [A] EP 0668474 A2 19950823 - SANYO ELECTRIC CO [JP]
- [A] EP 1304532 A1 20030423 - DAIKIN IND LTD [JP]

Cited by

EP4030124A4; CN102538299A; EP2899471A4; US11686518B2; US10429083B2; EP2015005A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2015005 A2 20090114; **EP 2015005 A3 20110921**; **EP 2015005 B1 20180314**; CN 101344289 A 20090114; CN 101344289 B 20120425; ES 2673505 T3 20180622; JP 2009019829 A 20090129; JP 4500331 B2 20100714

DOCDB simple family (application)

EP 08012385 A 20080709; CN 200810135734 A 20080703; ES 08012385 T 20080709; JP 2007183300 A 20070712