

Title (en)  
Air conditioner

Title (de)  
Klimaanlage

Title (fr)  
Climatiseur

Publication  
**EP 2392869 A3 20140115 (EN)**

Application  
**EP 11002689 A 20110331**

Priority  
JP 2010125893 A 20100601

Abstract (en)  
[origin: EP2392869A2] An air conditioner (100) includes an indoor unit control board (1) and an outdoor unit controller (10) that controls a compressor. The indoor unit control board (1) has: a first power supply line (N1) and a second power supply line (N2) that supply AC power; a communication circuit (8); a single-pole double-throw relay (7) that has a first contact (7a) connected to a communication line COM, a second contact (7b) connected to the communication circuit (8), a third contact (7c) connected to the first power supply line (N1), and a coil (7d) for a switchover between a mutual connection of the first contact (7a) and the second contact (7b) and a mutual connection of the first contact (7a) and the third contact (7c), the communication circuit (8) communicating with the outdoor unit controller (10) via the communication line COM and the second contact (7b) and the first contact (7a) of the single-pole double-throw relay (7); and a microcomputer (9) that outputs communication information to the communication circuit (8) and controls the coil (7d).

IPC 8 full level  
**F24F 11/00** (2006.01); **F24F 11/41** (2018.01); **F24F 11/46** (2018.01); **F24F 11/54** (2018.01); **F24F 11/57** (2018.01); **F24F 11/58** (2018.01); **F24F 11/61** (2018.01); **F24F 11/86** (2018.01); **F24F 11/88** (2018.01); **H01H 47/00** (2006.01); **H02P 7/00** (2006.01)

CPC (source: EP US)  
**F24F 11/30** (2017.12 - EP US); **F24F 11/62** (2017.12 - EP US); **F24F 11/63** (2017.12 - EP US); **F24F 11/86** (2017.12 - EP US); **F24F 11/88** (2017.12 - EP US)

Citation (search report)

- [XII] JP 2009041857 A 20090226 - SHARP KK
- [XA] JP 2005257238 A 20050922 - DAIKIN IND LTD
- [A] US 3831663 A 19740827 - PITHIE D
- [A] EP 2042818 A2 20090401 - SANYO ELECTRIC CO [JP]

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 2392869 A2 20111207**; **EP 2392869 A3 20140115**; **EP 2392869 B1 20180110**; ES 2659403 T3 20180315; JP 2011252646 A 20111215; JP 5289384 B2 20130911

DOCDB simple family (application)  
**EP 11002689 A 20110331**; ES 11002689 T 20110331; JP 2010125893 A 20100601