

Title (en)
Air conditioner

Title (de)
Klimaanlage

Title (fr)
Climatiseur

Publication
EP 2573477 A3 20151021 (EN)

Application
EP 12183798 A 20120911

Priority
JP 2011204081 A 20110920

Abstract (en)
[origin: EP2573477A2] An air conditioner includes an indoor unit (1) and an electrical unit (8) placed on a side of a front wall (1b) of the indoor unit (1). The electrical unit (8) accommodates a substrate (8c) therein, on which an alternating-current circuit block (132), a high-voltage direct-current circuit block (133) and a low-voltage direct-current circuit block (134) are arrayed in order from a side of an alternating-current power cord connected to an alternating-current power source (131). The alternating-current circuit block (132) includes a noise filter (139) to restrain unnecessary radiation noise from leaking to a primary side. A ground pattern (140) of the low-voltage direct-current circuit block (134) and a pattern (141) of the alternating-current circuit block (132) positioned on the primary side of the noise filter (139) are placed adjacent to each other to form a stray capacitance (143) between those patterns (140, 141). The ground pattern (140) of the low-voltage direct-current circuit block (134) is connected at an end portion thereof to the earth.

IPC 8 full level
F24F 11/00 (2006.01); **H02K 11/02** (2006.01)

CPC (source: EP US)
F24F 11/30 (2017.12 - EP); **F24F 11/88** (2017.12 - EP US); **F24F 11/89** (2017.12 - EP US)

Citation (search report)

- [A] JP 2001201140 A 20010727 - MATSUSHITA ELECTRIC IND CO LTD
- [A] JP 2002206770 A 20020726 - DAIKIN IND LTD
- [A] JP 2006292323 A 20061026 - MATSUSHITA ELECTRIC IND CO LTD

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 2573477 A2 20130327; **EP 2573477 A3 20151021**; **EP 2573477 B1 20170816**; CN 103017261 A 20130403; JP 2013064564 A 20130411

DOCDB simple family (application)
EP 12183798 A 20120911; CN 201210352504 A 20120920; JP 2011204081 A 20110920