

Title (en)
Air conditioner

Title (de)
Klimaanlage

Title (fr)
Climatiseur

Publication
EP 2573477 A2 20130327 (EN)

Application
EP 12183798 A 20120911

Priority
JP 2011204081 A 20110920

Abstract (en)
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 (applicant)
JP H08110085 A 19960430 - HITACHI LTD

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Designated extension state (EPC)
BA ME

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