

Title (en)
AIR CONDITIONER

Title (de)
KLIMAAANLAGE

Title (fr)
APPAREIL DE CONDITIONNEMENT D'AIR

Publication
EP 2009364 A4 20110112 (EN)

Application
EP 07740827 A 20070402

Priority
• JP 2007057391 W 20070402
• JP 2006108446 A 20060411

Abstract (en)
[origin: EP2009364A1] An indoor unit of an air conditioner accommodates a heat exchanger mounted therein via a frame and a drain pan disposed below the heat exchanger. The frame has a first mounting plate and a second mounting plate both for mounting the heat exchanger in the indoor unit. The heat exchanger has a first end plate and a second end plate that form opposite ends thereof. A first protrusion formed with the first end plate is introduced into a first hole defined in the first mounting plate, and a second protrusion formed with the second mounting plate is introduced into a second hole defined in the second end plate, so that the heat exchanger may be mounted on the frame. Further, a water receiving and guiding means is provided on the first mounting plate below the first hole to guide dew condensation water created on the first protrusion to the drain pan.

IPC 8 full level
F24F 13/30 (2006.01); **F24F 1/0063** (2019.01)

CPC (source: EP US)
F24F 1/0057 (2019.01 - EP); **F24F 1/0063** (2019.01 - EP US); **F24F 13/222** (2013.01 - EP); **F24F 13/30** (2013.01 - EP);
F24F 1/0025 (2013.01 - EP)

Citation (search report)
• [A] JP 2000179931 A 20000630 - MATSUSHITA ELECTRIC IND CO LTD
• [A] JP 2004183977 A 20040702 - FUJITSU GENERAL LTD
• See references of WO 2007119649A1

Cited by
CN103673081A; CN105452777A; EP2997312A4; US9752795B2

Designated contracting state (EPC)
ES GR IT

DOCDB simple family (publication)
EP 2009364 A1 20081231; **EP 2009364 A4 20110112**; **EP 2009364 B1 20130424**; ES 2416087 T3 20130730; JP 4875699 B2 20120215;
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