

Title (en)
INDOOR UNIT OF AIR CONDITIONER

Title (de)
INNENRAUMEINHEIT EINER KLIMAANLAGE

Title (fr)
UNITÉ DE CLIMATISEUR D'INTÉRIEUR

Publication
EP 2589887 A4 20180411 (EN)

Application
EP 11800081 A 20110401

Priority
• CN 201010214620 A 20100629
• CN 2011072380 W 20110401

Abstract (en)
[origin: EP2589887A1] An indoor unit of an air conditioner includes a panel body (2) surrounding the side part and the top part of the air conditioner, a back shell (1) surrounding the back part of the air conditioner, and a front panel (3) arranged at the front side and jointed closely with the panel body (2). The back shell (1), the panel body (2) and the front panel (3) define an inner chamber of the air conditioner, in which a heat exchanger, a control element and a ventilation assembly are arranged. An air outlet (4) is disposed at the lower part of the front panel (3), and an air guide plate (5) used to open and close the air outlet (4) is installed on the front panel (3) or the panel body (2). An air shield rib (8) protruding to the air outlet (4) is disposed at the top of the air outlet (4).

IPC 8 full level
F24F 1/0007 (2019.01); **F24F 13/20** (2006.01)

CPC (source: EP KR US)
F24F 1/0007 (2013.01 - EP KR US); **F24F 1/0011** (2013.01 - EP KR US); **F24F 1/0047** (2019.01 - EP US); **F24F 1/0057** (2019.01 - EP US); **F24F 7/00** (2013.01 - EP KR US); **F24F 13/20** (2013.01 - EP KR US); **F24F 1/0047** (2019.01 - KR); **F24F 1/0057** (2019.01 - KR)

Citation (search report)
• [X] EP 0962717 A1 19991208 - DAIKIN IND LTD [JP]
• [X] EP 1712798 A1 20061018 - MITSUBISHI ELECTRIC CORP [JP]
• [X] EP 1553358 A1 20050713 - SHARP KK [JP]
• [A] WO 2007012163 A1 20070201 - SPRINGER CARRIER LTDA [BR], et al
• See references of WO 2012000336A1

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EP4023946A4

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

DOCDB simple family (publication)
EP 2589887 A1 20130508; EP 2589887 A4 20180411; EP 2589887 B1 20200226; CN 102313346 A 20120111; CN 102313346 B 20150408; ES 2792826 T3 20201112; JP 2013530372 A 20130725; JP 6042807 B2 20161214; KR 101679781 B1 20161206; KR 20130091731 A 20130819; RU 2013101530 A 20140810; RU 2538925 C2 20150110; US 2013102238 A1 20130425; WO 2012000336 A1 20120105

DOCDB simple family (application)
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