

Title (en)
INDOOR UNIT FOR AIR CONDITIONER

Title (de)
INNENRAUMEINHEIT FÜR KLIMAANLAGE

Title (fr)
UNITÉ INTÉRIEURE POUR CLIMATISEUR

Publication
EP 3614064 A4 20200415 (EN)

Application
EP 18805432 A 20180413

Priority
• JP 2017103055 A 20170524
• JP 2018015549 W 20180413

Abstract (en)
[origin: EP3614064A1] An indoor unit for an air conditioner includes: a casing (1); a centrifugal fan (30) disposed in the casing (1); a heat exchanger (40) disposed in the casing (1) such that the centrifugal fan (30) is surrounded by the heat exchanger (40) on two or three sides; and a partition (50) with which the centrifugal fan (30) is surrounded in conjunction with the heat exchanger (40), the partition (50) being connected to a first end of the heat exchanger (40) and a second end of the heat exchanger (40) and configured to guide air blown out by the centrifugal fan (30) from the first end of the heat exchanger (40) to the second end of the heat exchanger (40). A distance (L) between the centrifugal fan (30) and the partition (50) at a position near the second end of the heat exchanger (40) is longer than that at a position near the first end of the heat exchanger (40).

IPC 8 full level
F24F 1/0059 (2019.01); **F24F 1/0011** (2019.01); **F24F 1/0063** (2019.01)

CPC (source: EP)
F24F 1/0011 (2013.01); **F24F 1/0059** (2013.01); **F24F 1/0063** (2019.01); **F24F 1/0068** (2019.01)

Citation (search report)
• [X] EP 0985889 A2 20000315 - HITACHI LTD [JP]
• [X] JP S62166237 A 19870722 - MATSUSHITA ELECTRIC IND CO LTD
• [X] JP H01140422 U 19890926
• [A] JP 2016001092 A 20160107 - HITACHI APPLIANCES INC
• [A] EP 1382917 A1 20040121 - DAIKIN IND LTD [JP]
• See references of WO 2018216392A1

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 3614064 A1 20200226; **EP 3614064 A4 20200415**; **EP 3614064 B1 20210609**; AU 2018271442 A1 20191212; AU 2018271442 B2 20210401; CN 110537059 A 20191203; CN 110537059 B 20210511; ES 2887855 T3 20211228; JP 2018197637 A 20181213; JP 6409908 B1 20181024; WO 2018216392 A1 20181129

DOCDB simple family (application)
EP 18805432 A 20180413; AU 2018271442 A 20180413; CN 201880026579 A 20180413; ES 18805432 T 20180413; JP 2017103055 A 20170524; JP 2018015549 W 20180413