

Title (en)
AC INDOOR UNIT

Title (de)
WECHSELSTROM-INNENRAUMEINHEIT

Title (fr)
UNITÉ INTÉRIEURE DE CLIMATISATION

Publication
EP 3348929 A4 20181024 (EN)

Application
EP 16844353 A 20160906

Priority
• JP 2015178822 A 20150910
• JP 2016076196 W 20160906

Abstract (en)
[origin: EP3348929A1] It is a problem of the present invention to provide an air conditioning indoor unit that can reduce midway spreading of a rearward and downward airflow and generate a sufficient amount of the rearward and downward airflow. In an air conditioning indoor unit (10), outlet air traveling through an air passage space sandwiched between a front flap group (30) (a front flap (31) and an auxiliary front flap (32)) and a rear flap (40) proceeds along the air passage space in a state in which forward spreading of the outlet air is blocked by the front flap (31) until the outlet air reaches lower than a lowermost end of an air outlet (15), and when the outlet air leaves the air passage space, the outlet air becomes an airflow along a second surface (40b) of the rear flap (40), so an "unfelt airflow" heading toward a lower portion of a side wall is sufficiently generated.

IPC 8 full level
F24F 1/00 (2011.01); **F24F 13/08** (2006.01); **F24F 13/14** (2006.01); **F24F 13/20** (2006.01); **F24F 13/26** (2006.01)

CPC (source: EP)
F24F 1/0057 (2019.01); **F24F 13/081** (2013.01); **F24F 13/14** (2013.01); **F24F 13/26** (2013.01); **F24F 1/0011** (2013.01); **F24F 13/20** (2013.01); **F24F 2221/28** (2013.01)

Citation (search report)
• [X1] EP 1707892 A1 20061004 - SHARP KK [JP]
• [A] JP 2015048948 A 20150316 - HITACHI APPLIANCES INC
• [A] JP 2015068566 A 20150413 - FUJITSU GENERAL LTD
• See references of WO 2017043492A1

Cited by
EP4086528A4; EP4015933A4; US11276447B2; US11493231B2

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 3348929 A1 20180718; EP 3348929 A4 20181024; EP 3348929 B1 20200401; AU 2016319451 A1 20180419; AU 2016319451 B2 20190815; CN 107949753 A 20180420; CN 107949753 B 20201002; ES 2801173 T3 20210108; JP 2017053567 A 20170316; JP 6137254 B2 20170531; WO 2017043492 A1 20170316

DOCDB simple family (application)
EP 16844353 A 20160906; AU 2016319451 A 20160906; CN 201680052036 A 20160906; ES 16844353 T 20160906; JP 2015178822 A 20150910; JP 2016076196 W 20160906