

Title (en)
INDOOR UNIT OF AIR CONDITIONER

Title (de)
INNENRAUMEINHEIT EINER KLIMAANLAGE

Title (fr)
UNITÉ D'INTÉRIEUR DE CLIMATISEUR

Publication
EP 3330622 A1 20180606 (EN)

Application
EP 17204526 A 20171129

Priority
JP 2016232897 A 20161130

Abstract (en)
The indoor unit (10) of an air conditioner (100) includes a laterally long outlet 15 which is provided in an air-conditioning main body 11 and a composite flap 20 which is disposed on a downstream side of the outlet 15 in a flow of air so as to open and close the outlet 15 by rotating around an axis extending in a lateral direction D1 and covers, in a closed state, the outlet 15 and a surface of the air-conditioning main body 11 around the outlet 15, in which the composite flap 20 includes an inner flap 21 which has a lateral width corresponding to the outlet 15 and is disposed on the outlet 15 side, an outer flap 22 which has a wider lateral width than that of the inner flap 21 and is disposed to overlap an outside of the inner flap 21, and a fin 23 which is provided to protrude inward to regulate the flow of the air from the outlet 15 at a boundary position between the inner flap 21 and the outer flap 22 in the lateral direction D1.

IPC 8 full level
F24F 1/0057 (2019.01); **F24F 13/14** (2006.01)

CPC (source: EP US)
F24F 1/0011 (2013.01 - EP); **F24F 1/0057** (2019.01 - EP US); **F24F 13/14** (2013.01 - EP US); **F24F 2013/221** (2013.01 - EP)

Citation (applicant)
JP 2009063275 A 20090326 - PANASONIC CORP

Citation (search report)

- [AD] JP 2009063275 A 20090326 - PANASONIC CORP
- [A] JP 2016003807 A 20160112 - KYOTO PLATEC KK
- [A] WO 2014017220 A1 20140130 - DAIKIN IND LTD [JP]
- [A] JP 2016153722 A 20160825 - PANASONIC IP MAN CORP
- [A] JP H08285303 A 19961101 - DAIKIN IND LTD
- [A] AU 2014379851 A1 20160825 - TOSHIBA CARRIER CORP

Cited by
CN113091291A; CN109405074A; WO2020147667A1

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 3330622 A1 20180606; **EP 3330622 B1 20190501**; AU 2017268566 A1 20180614; AU 2017268566 B2 20181206; ES 2727565 T3 20191017; JP 2018091507 A 20180614

DOCDB simple family (application)
EP 17204526 A 20171129; AU 2017268566 A 20171129; ES 17204526 T 20171129; JP 2016232897 A 20161130