

Title (en)  
AIR CONDITIONER UNIT

Title (de)  
KLIMAANLAGENEINHEIT

Title (fr)  
UNITÉ DE CLIMATISATION D'AIR

Publication  
**EP 3358270 A1 20180808 (EN)**

Application  
**EP 18154857 A 20180202**

Priority  
JP 2017018066 A 20170203

Abstract (en)  
To provide an air conditioner unit that makes it possible to suppress noise increase caused by resonance. An air conditioner unit (10) includes: a fan (11) that includes an impeller (110) and a motor (11M); a heat exchanger (12) to which the fan (11) blows air; and a housing (20) configured to house the fan (11) and the heat exchanger (12). A gap (S2) located on windward side of the heat exchanger (12) and a gap (S1) located on leeward side of the heat exchanger (12) are partitioned by partition walls (31, 32, 33) that protrude from the heat exchanger (12) to the windward side and the leeward side.

IPC 8 full level  
**F24F 13/24** (2006.01); **F24F 1/0047** (2019.01); **F24F 1/0063** (2019.01); **F24F 1/0067** (2019.01)

CPC (source: EP US)  
**F24F 1/0022** (2013.01 - EP); **F24F 1/0047** (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0067** (2019.01 - EP US);  
**F24F 13/24** (2013.01 - EP US)

Citation (applicant)  
JP 2013096601 A 20130520 - MITSUBISHI HEAVY IND LTD

Citation (search report)  
• [X] EP 2589886 A1 20130508 - MITSUBISHI ELECTRIC CORP [JP]  
• [A] EP 1890087 A1 20080220 - LG ELECTRONICS INC [KR]  
• [A] WO 2015060128 A1 20150430 - HITACHI APPLIANCES INC [JP]  
• [A] EP 2416074 A2 20120208 - MITSUBISHI ELECTRIC CORP [JP]  
• [A] CN 1309272 A 20010822 - SAMSUNG ELECTRONICS CO LTD [KR]

Cited by  
CN110285495A

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 3358270 A1 20180808**; JP 2018124026 A 20180809

DOCDB simple family (application)  
**EP 18154857 A 20180202**; JP 2017018066 A 20170203