

Title (en)  
INDOOR UNIT FOR AIR CONDITIONER

Title (de)  
INNENRAUMEINHEIT FÜR KLIMAANLAGE

Title (fr)  
UNITÉ INTÉRIEURE POUR CLIMATISEUR

Publication  
**EP 3614056 A1 20200226 (EN)**

Application  
**EP 18805057 A 20180403**

Priority  
• JP 2017102999 A 20170524  
• JP 2018014254 W 20180403

Abstract (en)  
An indoor unit for an air conditioner includes: a casing main body (1); a turbo fan (30) disposed in the casing main body (1); a heat exchanger (40) disposed in the casing main body (1) such that the turbo fan (30) is surrounded by the heat exchanger (40) on three sides; a partition plate (50) connected to two ends of the heat exchanger (40) to surround the turbo fan (30) in conjunction with the heat exchanger (40); and a blow-out port (10) through which air is blown out downward, the blow-out port (10) being located opposite the partition plate (50) with respect to the heat exchanger (40). An air flow path (P) from the heat exchanger (40) to the blow-out port (10) in the casing main body (1) has, at its downstream side, a sectional shape including a first air flow path region (Aa) extending along an edge of the casing main body (1) and second air flow path regions (Ab) respectively elongated from two ends of the first air flow path region (Aa) toward a second wall (12). The indoor unit for an air conditioner thus enables reduction in pressure loss at the air flow path, which leads to improvement in performance.

IPC 8 full level  
**F24F 1/00** (2019.01); **F24F 13/22** (2006.01); **F24F 13/30** (2006.01)

CPC (source: EP)  
**F24F 1/0011** (2013.01); **F24F 13/081** (2013.01); **F24F 13/30** (2013.01); **F24F 1/0047** (2019.01); **F24F 13/22** (2013.01)

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 3614056 A1 20200226**; **EP 3614056 A4 20200527**; **EP 3614056 B1 20220105**; AU 2018272238 A1 20191219; AU 2018272238 B2 20210722; CN 110621938 A 20191227; CN 110621938 B 20210518; ES 2907636 T3 20220425; JP 2018197633 A 20181213; JP 6409907 B1 20181024; WO 2018216360 A1 20181129

DOCDB simple family (application)  
**EP 18805057 A 20180403**; AU 2018272238 A 20180403; CN 201880031368 A 20180403; ES 18805057 T 20180403; JP 2017102999 A 20170524; JP 2018014254 W 20180403