

Title (en)  
INDOOR UNIT FOR AIR CONDITIONER

Title (de)  
INNENRAUMEINHEIT FÜR KLIMAAANLAGE

Title (fr)  
UNITÉ INTÉRIEURE POUR CLIMATISEUR

Publication  
**EP 3614063 B1 20240417 (EN)**

Application  
**EP 18805303 A 20180403**

Priority  
• JP 2017102997 A 20170524  
• JP 2018014253 W 20180403

Abstract (en)  
[origin: EP3614063A1] An indoor unit for an air conditioner includes a turbo fan (30) disposed in a casing and configured to rotate in a predetermined rotation direction (arrow R1), a heat exchanger (40) disposed along a periphery of the turbo fan (30) in the casing; and 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). The turbo fan (30) has a center (O1) located upstream of a current of air (arrow R2) between the turbo fan (30) and the partition plate (50), with respect to a perpendicular bisector (L2) of a line (L1) connecting two ends of the partition plate (50). The indoor unit for an air conditioner thus reduces a pressure at a high-pressure spot that may occur at an end of the partition with which an opening of the heat exchanger (40) is covered, to thereby reduce unusual noise.

IPC 8 full level  
**F24F 13/20** (2006.01); **F24F 1/00** (2019.01); **F24F 1/0047** (2019.01); **F24F 1/0063** (2019.01); **F24F 1/0067** (2019.01); **F24F 13/24** (2006.01); **F24F 13/30** (2006.01)

CPC (source: EP)  
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