

Title (en)  
INDOOR UNIT OF AIR CONDITIONER

Title (de)  
INNENRAUMEINHEIT EINER KLIMAANLAGE

Title (fr)  
UNITÉ INTÉRIEURE DE CLIMATISEUR

Publication  
**EP 2557370 A4 20180103 (EN)**

Application  
**EP 11765029 A 20110325**

Priority  
• CN 201020157467 U 20100407  
• CN 2011072171 W 20110325

Abstract (en)  
[origin: EP2557370A1] Disclosed is an indoor unit of an air conditioner which comprises a panel body (2) enclosing lateral parts of the air conditioner and used for installing a front panel (1), a back casing, and the front panel (1) closely jointed with the panel body (2). The back casing, the panel body (2) and the front panel (1) define an inner chamber of the air conditioner, in which a heat exchanger (5), control components and ventilation parts (4) are all installed. The lower part of the front panel (1) is provided with an air outlet which is opened or closed by an air guide plate (3) installed in the front panel (1) or located on the panel body (2). A vortex forming device, which is a serrated face including many concave grooves, is located at the bottom of the air outlet.

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

CPC (source: EP KR US)  
**F24F 1/0011** (2013.01 - EP KR US); **F24F 1/0047** (2019.01 - EP US); **F24F 1/0047** (2019.01 - KR); **F24F 2221/46** (2013.01 - EP KR US)

Citation (search report)  
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• [Y] WO 2007012163 A1 20070201 - SPRINGER CARRIER LTDA [BR], et al  
• [A] US 6276440 B1 20010821 - KAGA KUNIHICO [JP], et al  
• [A] CN 101307947 A 20081119 - LG ELECTRONICS TIANJIN [CN]  
• See references of WO 2011124111A1

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WO2017171572A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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