

Title (en)  
Indoor unit of an air conditioner

Title (de)  
Innenraumeinheit einer Klimaanlage

Title (fr)  
Unité d'intérieur d'un dispositif de conditionnement d'air

Publication  
**EP 1726890 A1 20061129 (EN)**

Application  
**EP 06380106 A 20060509**

Priority  
ES 200501112 A 20050510

Abstract (en)  
Indoor unit of an air conditioner of the type that consists of a hollow casing with vents for the inlet and outlet of air, respectively, being housed therein at least one heat exchanger and a centrifugal fan that inhales air, through the inlet vent, from the comfort area of a room to the surfaces of the heat exchanger and returns it, through the outlet vent, to said comfort area, the indoor unit comprising a separator that divides the casing into two transversal cavities, one inlet cavity and one outlet cavity, with an opening for the air to pass from one cavity to the other, the fan being positioned in said opening with its axis of rotation essentially perpendicular to the largest faces of the casing, the opening constituting the entrance to the fan's air intake.

IPC 8 full level  
**F24F 1/0007** (2019.01); **F24F 1/0063** (2019.01); **F24F 13/20** (2006.01)

CPC (source: EP ES US)  
**F24F 1/0007** (2013.01 - EP ES US); **F24F 1/0022** (2013.01 - EP US); **F24F 1/0047** (2019.02 - EP US); **F24F 1/0063** (2019.02 - EP ES US); **F24F 13/20** (2013.01 - EP ES US)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 06380106 A 20060509**; AT 06380106 T 20060509; DE 602006003372 T 20060509; ES 06380106 T 20060509; ES 200501112 A 20050510; US 41819106 A 20060505