

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 B1 20081029 (EN)**

Application  
**EP 06380106 A 20060509**

Priority  
ES 200501112 A 20050510

Abstract (en)  
[origin: EP1726890A1] 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)

Cited by  
EP3379156A1; CN109416194A; RU2731072C2; US10401040B2; WO2017215847A1

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

DOCDB simple family (publication)  
**EP 1726890 A1 20061129; EP 1726890 B1 20081029**; AT E412856 T1 20081115; DE 602006003372 D1 20081211; ES 2275405 A1 20070601; ES 2275405 B1 20080501; ES 2314861 T3 20090316; US 2006254304 A1 20061116

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