

Title (en)  
VERTICAL AIR CONDITIONER

Title (de)  
VERTIKALE KLIMAANLAGE

Title (fr)  
CLIMATISEUR VERTICAL

Publication  
**EP 3193087 A4 20170920 (EN)**

Application  
**EP 16829715 A 20160622**

Priority  
• CN 201510457100 A 20150730  
• CN 2016086684 W 20160622

Abstract (en)  
[origin: EP3193087A1] Disclosed is a vertical air conditioner, comprising an air conditioner body (100), which air conditioner body (100) comprises an air conditioner main body (1), an air supply duct being formed in the air conditioner main body (1), wherein the air conditioner further comprises a first panel (2) and a second panel (3), and a first panel driving mechanism (5) and a second panel driving mechanism for respectively driving the first panel (2) and the second panel (3) to slide away from each other to form an air outlet (4) between the first panel (2) and the second panel (3) and an air outflow end of the air supply duct when the air conditioner is powered on, and for respectively slide the first panel (2) and the second panel (3) to slide towards each other to close the air outlet (4) when the air conditioner is powered off. In the vertical air conditioner, there is no need to provide an air outlet directly on the panel, and there is also no need to additionally arrange an air guide plate on the air outlet, thereby preventing occurrence of problems such as poor appearance caused by the arrangement of the air guide plate, and ingress of dust due to likely generated gaps.

IPC 8 full level  
**F24F 1/00** (2011.01); **F24F 13/12** (2006.01)

CPC (source: CN EP KR)  
**F24F 1/0007** (2013.01 - CN); **F24F 1/0011** (2013.01 - EP KR); **F24F 1/005** (2019.01 - CN EP KR); **F24F 11/70** (2017.12 - KR);  
**F24F 13/12** (2013.01 - CN EP KR); **F24F 13/20** (2013.01 - KR)

Citation (search report)  
• [XY] CN 103982940 A 20140813 - WUHAN REFRIGERATION EQUIPMENT CO LTD OF MIDEA GROUP  
• [XY] WO 2015018276 A1 20150212 - GREE ELECTRIC APPLIANCES INC [CN]  
• [X] WO 2013026367 A1 20130228 - GREE ELECTRIC APPLIANCES INC [CN], et al  
• [Y] CN 204141826 U 20150204 - QINGDAO HAIER AIR CONDITIONER  
• [A] EP 2719969 A1 20140416 - LG ELECTRONICS INC [KR]  
• See references of WO 2017016348A1

Cited by  
CN112984639A; CN113048566A; EP3745043A4; CN114963306A

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 3193087 A1 20170719; EP 3193087 A4 20170920; EP 3193087 B1 20191113**; CN 105091102 A 20151125; CN 105091102 B 20190503;  
KR 20170061137 A 20170602; WO 2017016348 A1 20170202

DOCDB simple family (application)  
**EP 16829715 A 20160622**; CN 201510457100 A 20150730; CN 2016086684 W 20160622; KR 20177008725 A 20160622