

Title (en)
AIR CONDITIONING APPARATUS

Title (de)
KLIMAANLAGENVORRICHTUNG

Title (fr)
APPAREIL DE CONDITIONNEMENT D'AIR

Publication
EP 2184559 B1 20201021 (EN)

Application
EP 08764726 A 20080527

Priority
• JP 2008059693 W 20080527
• JP 2007232690 A 20070907
• JP 2007232698 A 20070907
• JP 2007232717 A 20070907

Abstract (en)
[origin: EP2184559A1] Problem to be Solved To provide an air conditioner having a structure in which a panel covering a front surface having a blow-out port of a cabinet is made rotatable and in which the opened panel does not easily come off from the cabinet. Solution In the structure, an upper shaft 23 is provided in an upper portion of a wind guide panel 20, and a lower shaft 22 is provided in a lower portion of the wind guide panel 20. The structure includes a pair of upper and lower hooks 52 and 53 which respectively hold the upper and lower shafts 22 and 23, a linkage section 55 which enables the hooks 52 and 53 to be operated in association with each other, and a changing section 54 which changes the opening direction by regulating the operation of each of the hooks 52 and 53. When the wind guide panel 20 is upwardly opened, the lower hook 53 is rotated to release the lower shaft 22, and the upper hook 52 locks and rotatably holds the upper shaft 23. When the wind guide panel 20 is downwardly opened, the upper hook 52 is rotated to release the upper shaft 23, and the lower hook 53 locks and rotatably holds the lower shaft 22. When the wind guide panel 20 is held in the closed attitude, the upper and lower hooks 52 and 53 lock the upper and lower shafts 22 and 23.

IPC 8 full level
F24F 1/0011 (2019.01); **F24F 1/0057** (2019.01); **F24F 13/14** (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP)
F24F 1/0011 (2013.01); **F24F 1/0057** (2019.01); **F24F 13/1426** (2013.01); **F24F 2013/1446** (2013.01)

Cited by
EP2752625A4; EP3136011A4; US10422549B2; US10895401B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2184559 A1 20100512; **EP 2184559 A4 20180411**; **EP 2184559 B1 20201021**; CN 101796348 A 20100804; CN 101796348 B 20130522; WO 2009031343 A1 20090312

DOCDB simple family (application)
EP 08764726 A 20080527; CN 200880105865 A 20080527; JP 2008059693 W 20080527