

Title (en)

Floor-standing indoor unit of air-conditioning apparatus

Title (de)

Auf dem Boden stehende Innenraumeinheit einer Klimaanlage

Title (fr)

Unité intérieure de climatiseur sous forme de console

Publication

EP 2759781 A1 20140730 (EN)

Application

EP 13190967 A 20131030

Priority

JP 2013014764 A 20130129

Abstract (en)

To provide a floor-standing indoor unit of an air-conditioning apparatus that includes a design panel that is removable from a casing with no part at the bottom of the front face thereof coming into contact with the floor surface. A floor-standing indoor unit of an air-conditioning apparatus includes receiving cases 9 provided at two respective sides at the bottom of an opening of a casing 1 a design panel 3 configured to cover the opening of the casing 1 panel-supporting portions 6 provided on a back face of the design panel 3 and configured to support the design panel 3 while residing in the respective receiving cases 9 when the design panel 3 covers the opening of the casing 1 and to move in the receiving cases 9 when the design panel 3 is tilted with a lower-frame edge 3b of the design panel 3 that is in contact with a front-face bottom edge 1 b of the casing 1 being the center of rotation of the design panel 3, and guiding portions 10 provided in the respective receiving cases 9 and configured to guide the panel-supporting portions 6 to move in an oblique direction. Terminal points 11a of the respective guiding portions 10 up to which the panel-supporting portions 6 are guided are each set at such a position that, while the design panel 3 is being tilted, a part 3c at a front-face bottom edge of the design panel 3 resides at or above a level where a base 1 a of the casing 1 resides.

IPC 8 full level

F24F 13/20 (2006.01); **F24F 1/005** (2019.01); **F24F 13/08** (2006.01)

CPC (source: EP US)

F24F 1/005 (2019.01 - EP US); **F24F 13/20** (2013.01 - EP US); **F24F 13/084** (2013.01 - EP); **F24F 2221/26** (2013.01 - EP)

Citation (applicant)

JP 2004239601 A 20040826 - SANYO ELECTRIC CO, et al

Citation (search report)

- [A] JP 2010145010 A 20100701 - MITSUBISHI ELECTRIC CORP
- [A] EP 1837607 A2 20070926 - LG ELECTRONICS INC [KR]
- [A] JP 2004239601 A 20040826 - SANYO ELECTRIC CO, et al

Cited by

CN106871405A; EP4184065A1; EP3587951A4; CN114206047A; WO2020071901A1

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 2759781 A1 20140730; EP 2759781 B1 20151202; CN 203595186 U 20140514; JP 2014145542 A 20140814; JP 5968238 B2 20160810

DOCDB simple family (application)

EP 13190967 A 20131030; CN 201320761141 U 20131127; JP 2013014764 A 20130129