

Title (en)

Ceiling type air conditioner with filter cleaning mechanism

Title (de)

Deckenklimaanlage mit Filterreinigungsmechanismus

Title (fr)

Climatiseur d'air de plafond avec nettoyage du filtre

Publication

EP 2083224 A2 20090729 (EN)

Application

EP 08251861 A 20080529

Priority

KR 20080008657 A 20080128

Abstract (en)

A ceiling type air conditioner is disclosed. The ceiling type air conditioner includes: a case fixed to an interior space of a ceiling and for sucking air and discharging heat-exchange air; a base panel fixed to a lower portion of the case and having an air suction port for sucking the air and an air discharge port for discharging the air formed thereon; a front panel disposed on the base panel to open and close the air suction port; and a side panel disposed on the base panel, i.e., disposed in parallel with the front panel on at least one side of the front panel. The side panel is coupled to the base panel so that the base panel is exposed by a user, and this enables a bracket assembly for adjusting the distance between the case and the base panel to be installed inside, thereby making the outer appearance of the air conditioner aesthetic.

IPC 8 full level

F24F 1/00 (2006.01); **F24F 1/005** (2019.01); **F24F 13/20** (2006.01); **F24F 13/28** (2006.01); **F24F 13/32** (2006.01)

CPC (source: EP KR US)

F24F 1/00 (2013.01 - KR); **F24F 1/0047** (2019.01 - EP); **F24F 1/005** (2019.01 - EP US); **F24F 8/90** (2021.01 - EP); **F24F 13/20** (2013.01 - EP KR); **F24F 13/28** (2013.01 - EP); **F24F 13/32** (2013.01 - EP); **F24F 11/52** (2017.12 - EP); **F24F 11/56** (2017.12 - EP)

Citation (applicant)

- WO 2007055098 A1 20070518 - DAIKIN IND LTD [JP], et al
- EP 1003002 A2 20000524 - FUJITSU GENERAL LTD [JP]
- WO 2007126019 A1 20071108 - TOSHIBA CARRIER CORP [JP], et al

Cited by

CN104019536A; CN113926262A; JP2017524119A; JP2018031554A; JP2021008990A; JP2018031553A; JP2017138075A; JP2016114352A; WO2015192525A1

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DOCDB simple family (application)

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