

Title (en)
Ceiling air conditioner

Title (de)
Deckenklimaanlage

Title (fr)
Climatiseur d'air de plafond

Publication
EP 2199694 A1 20100623 (EN)

Application
EP 09252874 A 20091222

Priority
KR 20080131734 A 20081222

Abstract (en)
A ceiling air conditioner provided. The ceiling air conditioner includes a main body (10) which is fixed onto a ceiling (1) and has an open bottom; an outlet panel (100) which is coupled to the bottom of the main body (10) and includes an air outlet (110); an inlet panel (200) which is coupled to the outlet panel (100) and includes an air inlet (205); and a door panel (300) which is coupled to the inlet panel (200) so as to be able to be lifted up toward the inlet panel (200), wherein the door panel (300) shuts the air inlet (205) and forms the exterior of the bottom of the inlet panel (200) when lifted up, and opens the air inlet (205) and guides air into the air inlet (205) when lowered down. Thus, since the door panel (300) has a curved top surface, it is possible to form a stable path for the flow of air. In addition, since the door panel (300) is formed of a light-weight material, it is possible to stably lift up or down the door panel (300).

IPC 8 full level
F24F 1/00 (2006.01); **F24F 1/0047** (2019.01); **F24F 1/0059** (2019.01); **F24F 13/20** (2006.01)

CPC (source: EP KR US)
F24F 1/00 (2013.01 - KR); **F24F 1/0047** (2019.01 - EP US); **F24F 1/0059** (2013.01 - EP US); **F24F 13/00** (2013.01 - KR);
F24F 11/56 (2017.12 - EP); **F24F 13/20** (2013.01 - EP)

Citation (search report)
• [XY] EP 1826496 A2 20070829 - LG ELECTRONICS INC [KR]
• [Y] EP 1460350 A1 20040922 - DAIKIN IND LTD [JP]
• [A] JP 2006071136 A 20060316 - SANYO ELECTRIC CO
• [A] JP S6078242 A 19850502 - HITACHI LTD
• [A] JP S59161425 U 19841029

Cited by
JP2013108716A; CN105258226A; EP2378214A4; EP3199882A4

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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KR 20100073143 A 20100701

DOCDB simple family (application)
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