

Title (en)
AIR-CONDITIONING INDOOR UNIT

Title (de)
INNENRAUMEINHEIT FÜR KLIMAANLAGE

Title (fr)
UNITÉ CLIMATISEUR D'INTÉRIEUR

Publication
EP 2251616 A1 20101117 (EN)

Application
EP 09707656 A 20090127

Priority
• JP 2009051279 W 20090127
• JP 2008025651 A 20080205

Abstract (en)
To provide a ceiling-mounted air conditioning indoor unit that is user-friendly and with which dust collected by filter cleaning can be easily discarded. In an air conditioning indoor unit (2), a body (20) has a suction port (20a) in its undersurface. A movable panel (24) closes the suction port (20a) at a time when operation is stopped and descends to a predetermined position at a time of maintenance. A raising-and-lowering mechanism (7) causes the movable panel (24) to move in an ascending direction and a descending direction. A filter (9) removes dust included in air flowing in from the suction port (20a). A roller (102) causes the filter (9) to move when cleaning the filter (9). A brush (108) causes the dust adhering to the filter (9) to separate from the filter (9). A brush drive motor (108f) causes the brush (108) to operate. A dust box (109) is detachably attached to the movable panel (24) and collects the dust separated from the filter (9).

IPC 8 full level
F24F 1/0047 (2019.01); **F24F 13/28** (2006.01); **F24F 13/22** (2006.01)

CPC (source: EP US)
F24F 1/0047 (2019.01 - EP US); **F24F 8/90** (2021.01 - EP); **F24F 13/28** (2013.01 - EP); **F24F 2013/0616** (2013.01 - EP)

Cited by
EP4166861A4; JP2012106152A; FR3018596A1; EP3690333A1; EP4227589A1; EP3690334A1; EP3835679A1

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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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