

Title (en)
AIR-CONDITIONING INDOOR UNIT

Title (de)
INNENRAUMEINHEIT FÜR KLIMAANLAGE

Title (fr)
UNITÉ CLIMATISEUR D'INTÉRIEUR

Publication
EP 2251616 A4 20130424 (EN)

Application
EP 09707656 A 20090127

Priority
• JP 2009051279 W 20090127
• JP 2008025651 A 20080205

Abstract (en)
[origin: EP2251616A1] 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 1/00 (2011.01); **F24F 1/0047** (2019.01); **F24F 13/22** (2006.01); **F24F 13/28** (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)

Citation (search report)
• [X] EP 1741992 A2 20070110 - MITSUBISHI HEAVY IND LTD [JP]
• [X] JP 2007225171 A 20070906 - MITSUBISHI HEAVY IND LTD
• See references of WO 2009098972A1

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

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