

Title (en)
DUST COLLECTION BOX AND AIR CONDITIONER WITH THE SAME

Title (de)
STAUBSAMMELKASTEN UND KLIMAANLAGE DAMIT

Title (fr)
BOÎTE DE RÉCUPÉRATION DES POUSSIÈRES ET CLIMATISEUR UTILISANT CELLE-CI

Publication
EP 2177844 A4 20130109 (EN)

Application
EP 08763921 A 20080527

Priority

- JP 2008001321 W 20080527
- JP 2007163803 A 20070621
- JP 2007204593 A 20070806

Abstract (en)
[origin: EP2177844A1] A structure for storing dust removed from an air filter in an indoor unit is devised in order to possibly save time and manpower. As viewed from an indoor side (as viewed in plan), a dust collection box (90) is provided such that at least a part of the dust collection box (90) is arranged so as to outwardly protrude from an opening (1a) of a ceiling board (1). The dust collection box (90) is connected to a discharge duct (74). Dust removed from an air filter (40) in a casing body (26) is transferred to the dust collection box (90) through the discharge duct (74) by blow-off air from an indoor fan (39).

IPC 8 full level
B01D 46/10 (2006.01); **F24F 13/28** (2006.01)

CPC (source: EP)
F24F 8/90 (2021.01); **F24F 13/28** (2013.01); **F24F 2221/14** (2013.01)

Citation (search report)

- [X1] JP H1085534 A 19980407 - MITSUBISHI ELECTRIC BILL TECH
- [X1] WO 2007060921 A1 20070531 - DAIKIN IND LTD [JP], et al
- [X1] JP 2005195216 A 20050721 - MATSUSHITA ELECTRIC IND CO LTD
- [X1] JP 2006183997 A 20060713 - MATSUSHITA ELECTRIC IND CO LTD
- See references of WO 2008155877A1

Cited by
EP2182301A4

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
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