

Title (en)
Integrated air conditioner

Title (de)
Integrierte Klimaanlage

Title (fr)
Conditionneur d'air intégré

Publication
EP 2778547 A3 20180110 (EN)

Application
EP 14160058 A 20140314

Priority
JP 2013052902 A 20130315

Abstract (en)
[origin: EP2778547A2] An integrated air conditioner in which a filter (26) is provided in an external-air introduction vent to remove foreign matter and dust, the filter being easily attached and removed from the front of the indoor unit (4) to facilitate maintenance, such as cleaning. In an integrated air conditioner (1) including an indoor unit (4) and an outdoor unit (5) that are integrated in a single unit, an indoor air duct (9) and a blowing duct of an outdoor fan (22) of the outdoor unit (5) communicate with each other via an external-air entry duct (23). A damper (24) for introducing the external air is provided at an opening of the external-air entry duct (23), which opening leads to the indoor air duct (9), in such a manner that the damper (24) can be opened and closed. A filter (26) accessible from the front of the indoor unit (4) and attachably and removably fitted to the external-air entry duct (23) is provided in the external-air entry duct (23).

IPC 8 full level
F24F 1/02 (2011.01); **F24F 3/16** (2006.01); **F24F 11/00** (2018.01); **F24F 13/08** (2006.01); **F24F 13/14** (2006.01)

CPC (source: EP)
F24F 1/022 (2013.01); **F24F 1/027** (2013.01); **F24F 8/108** (2021.01); **F24F 8/90** (2021.01); **F24F 13/085** (2013.01); **F24F 13/1426** (2013.01); **F24F 2011/0002** (2013.01)

Citation (search report)

- [X] US 6497740 B1 20021224 - MORETTI STEPHEN L [US]
- [X] JP S61134530 A 19860621 - MATSUSHITA SEIKO KK
- [X] US 2004045304 A1 20040311 - PARK CHOON-KYOUNG [KR]
- [A] US 6336338 B1 20020108 - KOREN URI [IL]
- [A] US 4679494 A 19870714 - KATAYAMA KANEO [JP], et al

Cited by
CN110805968A; CN105091128A; CN112880046A; CN110806000A; CN110805966A; CN110736149A; CN109114667A; CN110805964A; CN110736147A; CN110748976A; US11519614B2; EP3907437A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2778547 A2 20140917; EP 2778547 A3 20180110; JP 2014178075 A 20140925; JP 6157884 B2 20170705

DOCDB simple family (application)
EP 14160058 A 20140314; JP 2013052902 A 20130315