

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CONDITIONNEUR D'AIR

Publication
EP 2088382 A4 20160601 (EN)

Application
EP 07831818 A 20071114

Priority
• JP 2007072088 W 20071114
• JP 2006309825 A 20061116

Abstract (en)
[origin: EP2088382A1] To provide an air conditioner that can prevent a situation where air ends up flowing through the air conditioner without passing through a filter because of filter cleaning operation. An air conditioner comprises a temperature regulating section (22), a humidity control unit (4), a filter, a filter cleaning section (79) and a controller (80). The temperature regulating section (22) takes in indoor air, regulates its temperature, and blows it out to the indoors. The humidity control unit (4) takes in outdoor air and blows it out to the indoors. The filter removes dirt and dust from the air that has been taken in from the indoors and the outdoors. The filter cleaning section (79) moves the filter and cleans away dirt and dust adhering to the filter. The controller (80) does not allow filter cleaning operation by the filter cleaning section (79) to be executed while temperature regulating operation by the temperature regulating section (22) is being executed and while ventilating operation by the humidity control unit (4) is being executed.

IPC 8 full level
F24F 1/00 (2011.01); **F24F 1/0057** (2019.01); **F24F 1/0059** (2019.01); **F24F 1/0073** (2019.01); **F24F 1/0087** (2019.01); **F24F 11/02** (2006.01); **F24F 13/28** (2006.01)

CPC (source: EP KR US)
F24F 1/0003 (2013.01 - EP); **F24F 1/0057** (2019.01 - EP US); **F24F 1/0059** (2013.01 - EP US); **F24F 1/0071** (2019.01 - KR); **F24F 1/0073** (2019.01 - EP US); **F24F 1/0087** (2019.01 - EP US); **F24F 1/32** (2013.01 - EP); **F24F 8/90** (2021.01 - EP); **F24F 11/39** (2017.12 - KR); **F24F 13/28** (2013.01 - EP KR); **F24F 2221/22** (2013.01 - KR)

Citation (search report)
• [Y] JP 2006170613 A 20060629 - FUJITSU GENERAL LTD
• [Y] CN 1626927 A 20050615 - HITACHI HOME ELECTRIC CORP [JP]
• [Y] JP 2004239594 A 20040826 - DAIKIN IND LTD
• See references of WO 2008059871A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2088382 A1 20090812; EP 2088382 A4 20160601; CN 101535734 A 20090916; CN 101535734 B 20120606; JP 2008122047 A 20080529; JP 4240115 B2 20090318; KR 20090085657 A 20090807; WO 2008059871 A1 20080522

DOCDB simple family (application)
EP 07831818 A 20071114; CN 200780042391 A 20071114; JP 2006309825 A 20061116; JP 2007072088 W 20071114; KR 20097011164 A 20071114