

Title (en)
A FILTER CLEANING DEVICE FOR AN AIR-CONDITIONER

Title (de)
FILTERREINIGUNGSVORRICHTUNG FÜR EINE KLIMAAANLAGE

Title (fr)
DISPOSITIF DE NETTOYAGE DE FILTRE POUR UN CLIMATISEUR

Publication
EP 3361169 A1 20180815 (EN)

Application
EP 17155704 A 20170210

Priority
EP 17155704 A 20170210

Abstract (en)
Provided is a filter cleaning device for an air-conditioner, comprising: a flat filter, a brush, a contact member, a driving unit (730) and a controller (750). The driving unit has a first motor (631) for moving the brush and a second motor (671) for moving the contact member. The controller is configured to control the driving unit such that the brush and the contact member move from one end side to the other end side of the filter with respect to a first moving direction extending along the filter surface, and also configured to control at least one of the first motor and the second motor such that a gap between the brush and the contact member is within a predetermined range in position with respect to the first moving direction.

IPC 8 full level
F24F 8/108 (2021.01); **F24F 8/90** (2021.01); **F24F 11/00** (2018.01); **F24F 13/28** (2006.01)

CPC (source: EP US)
F24F 8/10 (2021.01 - EP); **F24F 8/108** (2021.01 - EP US); **F24F 8/90** (2021.01 - EP US); **F24F 13/28** (2013.01 - EP); **F24F 11/39** (2017.12 - EP)

Citation (applicant)
JP 2008121990 A 20080529 - FUJITSU GENERAL LTD

Citation (search report)

- [A] JP 2007107764 A 20070426 - FUJITSU GENERAL LTD
- [A] JP 2016118361 A 20160630 - DAIKIN IND LTD
- [A] JP 2007198678 A 20070809 - MITSUBISHI ELECTRIC CORP
- [A] EP 1988342 A1 20081105 - TOSHIBA CARRIER CORP [JP]

Cited by
CN112888902A; CN113124542A; CN115388500A; IL273895B1; IL273895B2; WO2021205431A1

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 3361169 A1 20180815; EP 3361169 B1 20190828; CN 110291335 A 20190927; CN 110291335 B 20210223; WO 2018147078 A1 20180816

DOCDB simple family (application)
EP 17155704 A 20170210; CN 201880011368 A 20180123; JP 2018002032 W 20180123