

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 3792563 A4 20210519 (EN)

Application
EP 18917868 A 20180510

Priority
JP 2018018146 W 20180510

Abstract (en)
[origin: US2020408459A1] An air-conditioning apparatus includes a heat exchanger, a fan, and a controller. The heat exchanger causes heat exchange to be performed between a medium that transfers heat, and air. The fan sends air to the heat exchanger. The controller determines whether clogging due to foreign matter has occurred in the heat exchanger, based on a command voltage varying in accordance with the rotation speed of a fan motor that drives the fan.

IPC 8 full level
F24F 11/38 (2018.01); **F24F 11/32** (2018.01); **F24F 11/41** (2018.01); **F24F 11/42** (2018.01); **F25B 47/00** (2006.01)

CPC (source: EP US)
F24F 11/32 (2017.12 - EP); **F24F 11/42** (2017.12 - EP US); **F25B 13/00** (2013.01 - EP); **F25D 21/02** (2013.01 - US); **F25D 21/06** (2013.01 - US); **F28F 19/00** (2013.01 - EP); **F28F 19/006** (2013.01 - EP); **F25B 2313/0294** (2013.01 - EP); **F25B 2500/04** (2013.01 - EP); **F25D 21/02** (2013.01 - EP); **F25D 2700/00** (2013.01 - US); **F28F 2200/00** (2013.01 - EP)

Citation (search report)

- [IA] JP H10246542 A 19980914 - MATSUSHITA SEIKO KK
- [A] JP 2014105932 A 20140609 - MITSUBISHI HEAVY IND LTD
- [I] KR 20030023045 A 20030319 - LG ELECTRONICS INC [KR]
- [I] CN 104848505 A 20150819 - HANGZHOU FILTECH CO LTD
- See references of WO 2019215878A1

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)
US 2020408459 A1 20201231; CN 112074692 A 20201211; CN 112074692 B 20220419; EP 3792563 A1 20210317; EP 3792563 A4 20210519; EP 3792563 B1 20231011; JP 6949208 B2 20211013; JP WO2019215878 A1 20210225; WO 2019215878 A1 20191114

DOCDB simple family (application)
US 201816980976 A 20180510; CN 201880093153 A 20180510; EP 18917868 A 20180510; JP 2018018146 W 20180510; JP 2020517706 A 20180510