

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 2602566 A4 20180509 (EN)

Application
EP 11814215 A 20110404

Priority
• JP 2010175187 A 20100804
• JP 2011002005 W 20110404

Abstract (en)
[origin: EP2602566A1] To obtain an air-conditioning apparatus capable of further suppressing noise. An air-conditioning apparatus 100 includes a casing 1 formed with an inlet port 2 in an upper portion thereof and with an outlet port 3 on a front lower portion thereof; a plurality of axial flow or mixed flow fans 20 provided in parallel on a downstream side of the inlet port 2; a heat exchanger 50 provided on a downstream side of the fans 20 and on an upstream side of the outlet port 3; noise detection microphones 161 and 162 detecting noise emitted from the fans; control speakers 181 and 182 outputting a control sound that reduces noise; noise cancellation effect detection microphones 191 and 192 detecting a noise cancellation effect of the control sound; noise detection microphones 161 and 162; signal processing devices 201 and 202 that make the control speakers 181 and 182 output the control sound; and a controller 281 performing individual rotation speed control for the plurality of fans 20.

IPC 8 full level
F24F 1/00 (2011.01); **F24F 13/06** (2006.01); **F24F 13/20** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP)
F24F 1/0029 (2013.01); **F24F 1/0033** (2013.01); **F24F 13/06** (2013.01); **F24F 13/24** (2013.01); **F24F 2013/247** (2013.01)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2012017575A1

Cited by
US10403261B1; CN112503716A; WO2020193936A1

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

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