

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 2602566 A1 20130612 (EN)**

Application  
**EP 11814215 A 20110404**

Priority  
• JP 2010175187 A 20100804  
• JP 2011002005 W 20110404

Abstract (en)  
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 11/04** (2006.01); **F24F 13/06** (2006.01); **F24F 13/20** (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)

Cited by  
US10403261B1; CN112503716A; US12014715B2; WO2020193936A1

Designated contracting state (EPC)  
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